

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110918\
 Data File : VN052225.D
 Acq On : 9 Nov 2018 14:06
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 11/12/2018 9:18:33 AM

Quant Time: Nov 12 00:00:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
 Quant Title : SW846 8260
 QLast Update : Sun Nov 11 23:43:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	255365	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	447843	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	395302	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	159044	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	17718	5.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.14%	
35) Dibromofluoromethane	7.59	113	14276	4.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.84%	
50) Toluene-d8	10.09	98	54461	4.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.60%	
62) 4-Bromofluorobenzene	12.40	95	16904	4.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.20%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	12713	4.579	ug/l	94
3) Chloromethane	2.06	50	18660	4.814	ug/l	99
4) Vinyl Chloride	2.19	62	15937	4.935	ug/l	95
5) Bromomethane	2.57	94	10323	5.038	ug/l	95
6) Chloroethane	2.71	64	9270	4.834	ug/l #	86
7) Trichlorofluoromethane	3.02	101	22715	5.053	ug/l	91
8) Diethyl Ether	3.41	74	8664	4.899	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.77	101	14939	5.160	ug/l #	86
10) Methyl Iodide	3.95	142	16757	4.478	ug/l	98
11) Tert butyl alcohol	4.78	59	4272m	24.494	ug/l	
12) 1,1-Dichloroethene	3.74	96	14062	5.267	ug/l	89
13) Acrolein	3.61	56	4236	17.564	ug/l	98
14) Allyl chloride	4.33	41	27503	4.921	ug/l	99
15) Acrylonitrile	5.00	53	26915	24.462	ug/l	96
16) Acetone	3.82	43	29138	27.196	ug/l	98
17) Carbon Disulfide	4.05	76	35127	4.536	ug/l	96
18) Methyl Acetate	4.33	43	13689	4.972	ug/l	94
19) Methyl tert-butyl Ether	5.04	73	38437	5.039	ug/l	98
20) Methylene Chloride	4.55	84	16071	5.434	ug/l #	92
21) trans-1,2-Dichloroethene	5.05	96	15263	5.260	ug/l	88
22) Diisopropyl ether	5.95	45	55103	4.894	ug/l	95
23) Vinyl Acetate	5.90	43	183298	23.841	ug/l	99
24) 1,1-Dichloroethane	5.85	63	30345	5.128	ug/l	98
25) 2-Butanone	6.84	43	39552	26.548	ug/l	95
26) 2,2-Dichloropropane	6.82	77	20333	4.704	ug/l	84
27) cis-1,2-Dichloroethene	6.83	96	16705	5.143	ug/l	98
28) Bromochloromethane	7.20	49	15373	5.257	ug/l	93
29) Tetrahydrofuran	7.22	42	20395	21.299	ug/l #	89
30) Chloroform	7.37	83	28440	5.078	ug/l	96
31) Cyclohexane	7.66	56	32940	4.795	ug/l #	83
32) 1,1,1-Trichloroethane	7.57	97	22368	4.900	ug/l	95
36) 1,1-Dichloropropene	7.79	75	22049	4.878	ug/l	96
37) Ethyl Acetate	6.94	43	14787	4.434	ug/l #	77
38) Carbon Tetrachloride	7.78	117	20210	4.934	ug/l	99

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 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Manual Integrations
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MMDadoda
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Quant Time: Nov 12 00:00:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
 Quant Title : SW846 8260
 QLast Update : Sun Nov 11 23:43:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	24905	4.830	ug/l	96
40) Benzene	8.04	78	64222	4.962	ug/l	100
41) Methacrylonitrile	7.18	41	8978	5.103	ug/l #	68
42) 1,2-Dichloroethane	8.13	62	22864	5.035	ug/l	97
43) Isopropyl Acetate	8.17	43	28468	4.804	ug/l #	87
44) Trichloroethene	8.84	130	15600	4.810	ug/l	93
45) 1,2-Dichloropropane	9.12	63	17135	4.739	ug/l	99
46) Dibromomethane	9.21	93	10544	5.077	ug/l	95
47) Bromodichloromethane	9.40	83	19878	4.620	ug/l #	98
48) Methyl methacrylate	9.20	41	15307	4.902	ug/l	97
49) 1,4-Dioxane	9.20	88	2315	92.228	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	78974	24.131	ug/l	97
52) Toluene	10.16	92	38588	4.943	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	18728	4.411	ug/l	95
54) cis-1,3-Dichloropropene	9.84	75	23195	4.627	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	14077	4.989	ug/l	93
56) Ethyl methacrylate	10.43	69	16341	4.285	ug/l	96
57) 1,3-Dichloropropane	10.71	76	24112	4.773	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	52111	24.677	ug/l	100
59) 2-Hexanone	10.75	43	58922	25.647	ug/l	100
60) Dibromochloromethane	10.90	129	12862	4.494	ug/l	95
61) 1,2-Dibromoethane	11.01	107	13211	4.764	ug/l	93
64) Tetrachloroethene	10.63	164	13365	4.829	ug/l	96
65) Chlorobenzene	11.43	112	41168	4.915	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	13433	4.734	ug/l	98
67) Ethyl Benzene	11.51	91	70119	4.759	ug/l	98
68) m/p-Xylenes	11.62	106	52452	9.560	ug/l	96
69) o-Xylene	11.95	106	26300	5.017	ug/l	95
70) Styrene	11.96	104	39634	4.680	ug/l	99
71) Bromoform	12.12	173	7076	4.180	ug/l #	95
73) Isopropylbenzene	12.25	105	66936	5.148	ug/l	99
74) N-amyl acetate	12.07	43	22083	4.679	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	16871	5.293	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	14338m	5.619	ug/l	
77) Bromobenzene	12.53	156	15463	5.081	ug/l	99
78) n-propylbenzene	12.59	91	74195	4.873	ug/l	100
79) 2-Chlorotoluene	12.67	91	44521	5.047	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	51480	4.979	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	3375	4.094	ug/l #	80
82) 4-Chlorotoluene	12.77	91	44880	5.070	ug/l	99
83) tert-Butylbenzene	12.99	119	46002	5.096	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	52191	5.006	ug/l	99
85) sec-Butylbenzene	13.17	105	60901	4.920	ug/l	96
86) p-Isopropyltoluene	13.29	119	50777	4.903	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	25701	4.851	ug/l	94
88) 1,4-Dichlorobenzene	13.36	146	26287	4.956	ug/l	94
89) n-Butylbenzene	13.61	91	43853	4.755	ug/l	99
90) Hexachloroethane	13.88	117	8480	4.665	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	25548	4.941	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	2347	5.180	ug/l	87

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

MMDadoda
11/12/2018 9:18:33 AM

Quant Time: Nov 12 00:00:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
Quant Title : SW846 8260
QLast Update : Sun Nov 11 23:43:11 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	8238	4.029	ug/l	98
94) Hexachlorobutadiene	15.00	225	5613	5.052	ug/l	96
95) Naphthalene	15.13	128	19685	3.907	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	8150	4.216	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

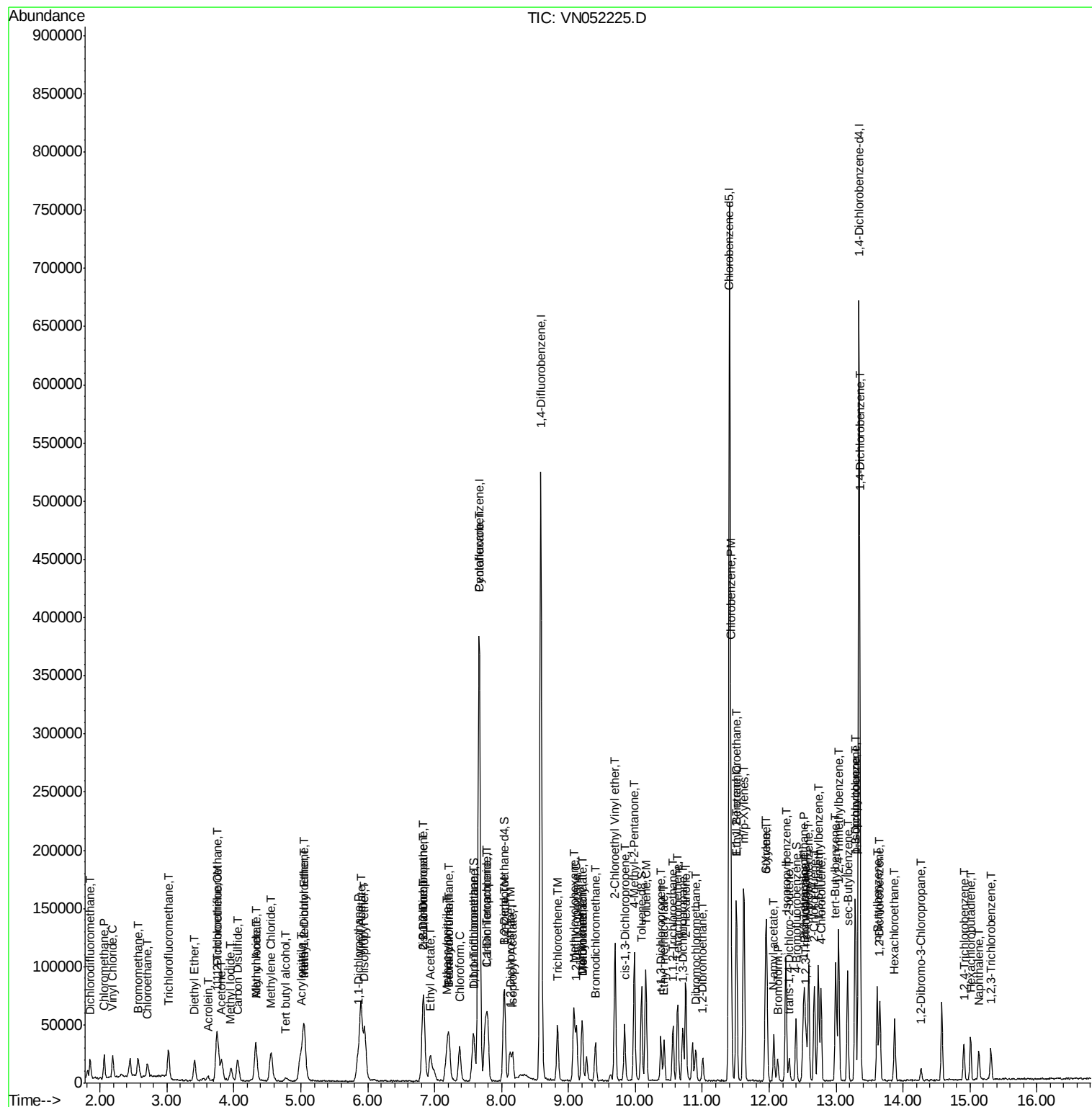
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Data File : VN052225.D
Acq On : 9 Nov 2018 14:06
Operator : MD\SY
Sample : VSTDIC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 28

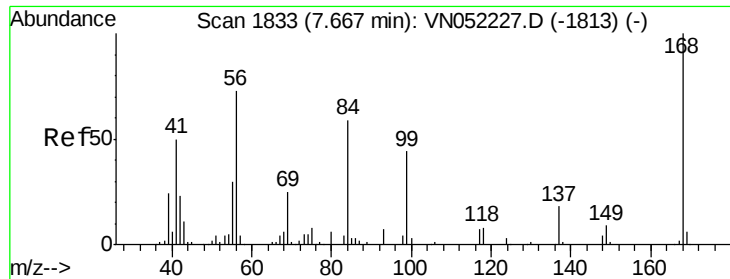
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Manual Integrations
APPROVED

MMDadoda
11/12/2018 9:18:33 AM

Quant Time: Nov 12 00:00:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
Quant Title : SW846 8260
QLast Update : Sun Nov 11 23:43:11 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052225.D

Acq: 9 Nov 2018 14:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 255365

Ion Ratio Lower Upper

168 100

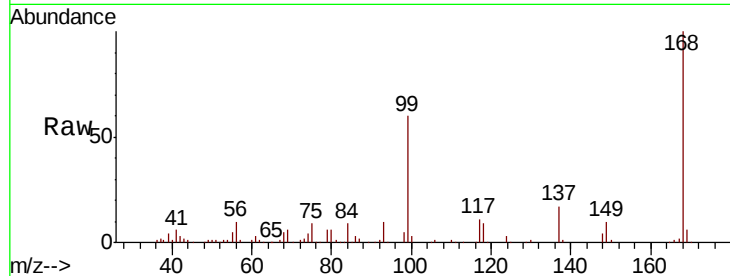
99 59.9 44.7 67.1

Manual Integrations

APPROVED

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11/12/2018 9:18:33 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

120000

100000

80000

60000

40000

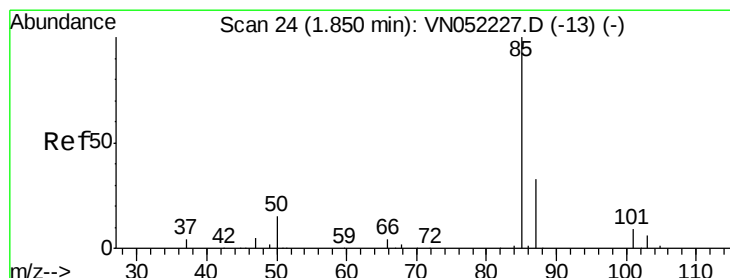
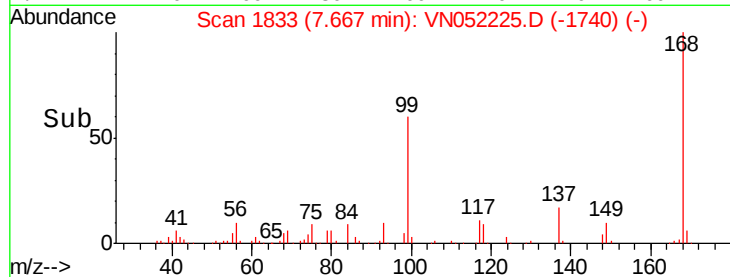
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 4.579 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052225.D

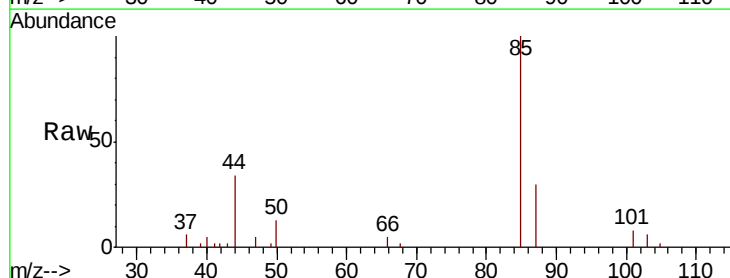
Acq: 9 Nov 2018 14:06

Tgt Ion: 85 Resp: 12713

Ion Ratio Lower Upper

85 100

87 30.1 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

10000

8000

6000

4000

2000

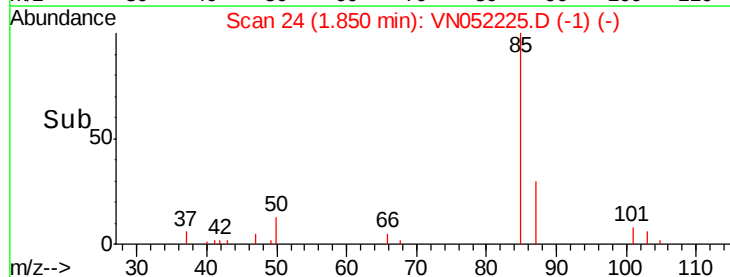
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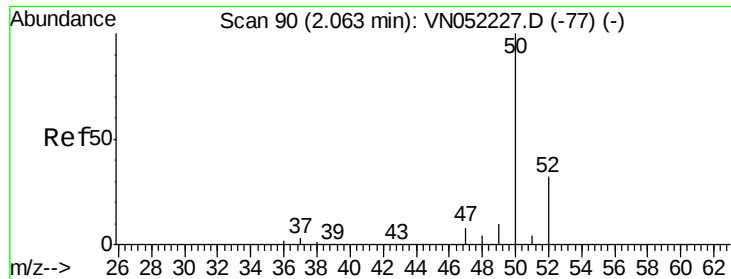
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 4.814 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052225.D

Acq: 9 Nov 2018 14:06

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 50 Resp: 18660

Ion Ratio Lower Upper

50 100

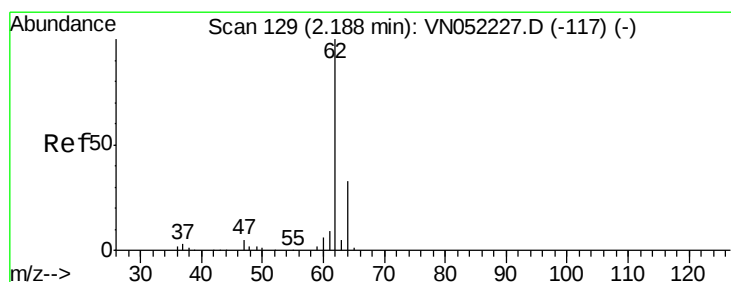
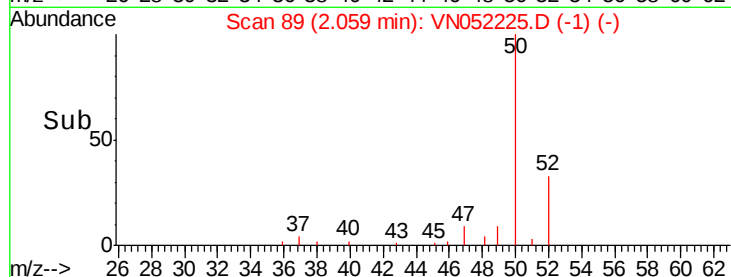
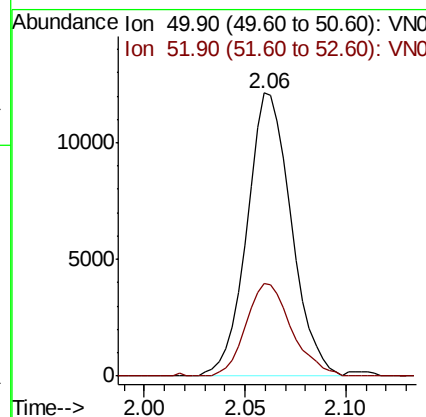
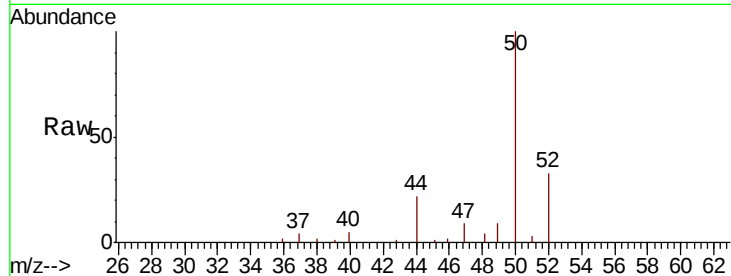
52 32.7 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 4.935 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN052225.D

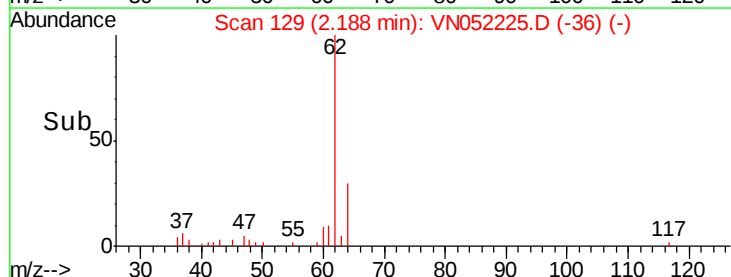
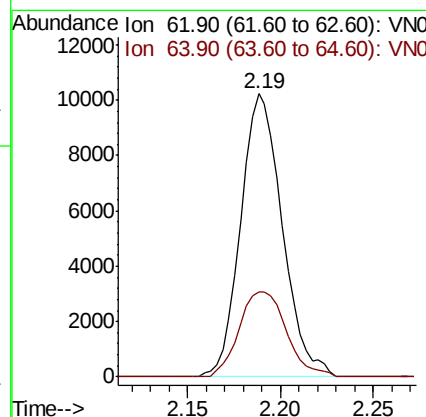
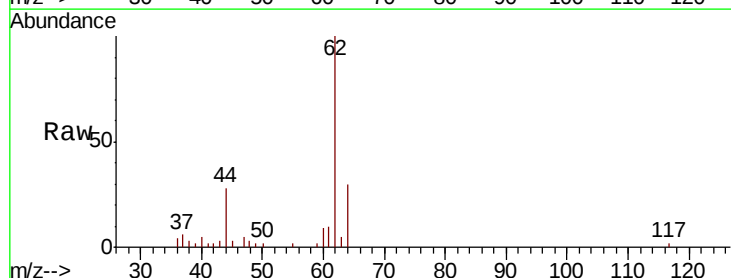
Acq: 9 Nov 2018 14:06

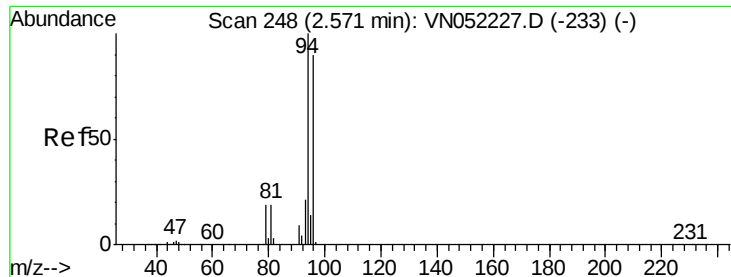
Tgt Ion: 62 Resp: 15937

Ion Ratio Lower Upper

62 100

64 30.0 26.1 39.1





#5

Bromomethane

Concen: 5.038 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN052225.D

Acq: 9 Nov 2018 14:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 10323

Ion Ratio Lower Upper

94 100

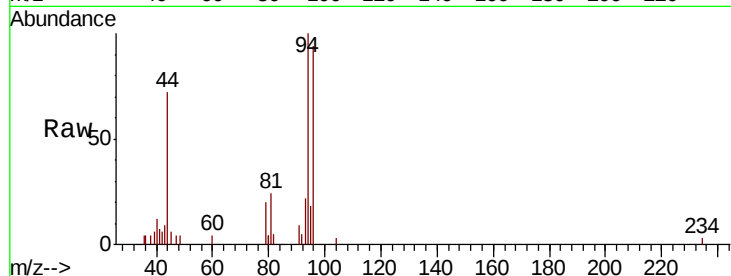
96 94.2 71.8 107.8

Manual Integrations

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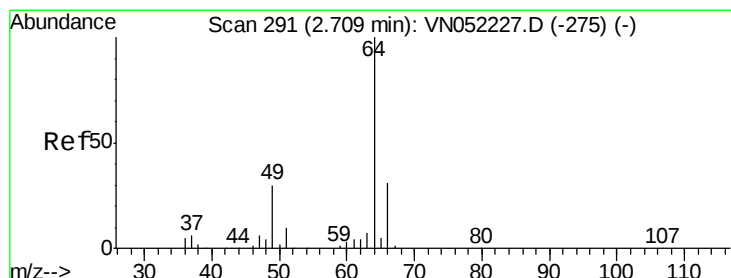
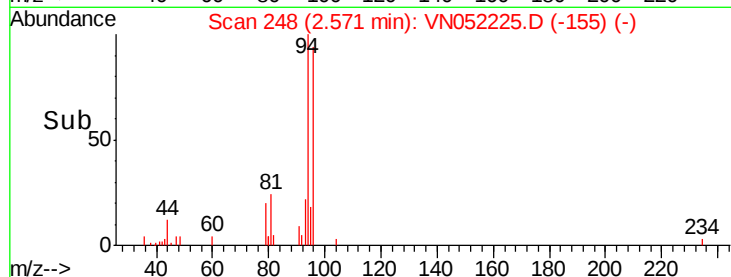
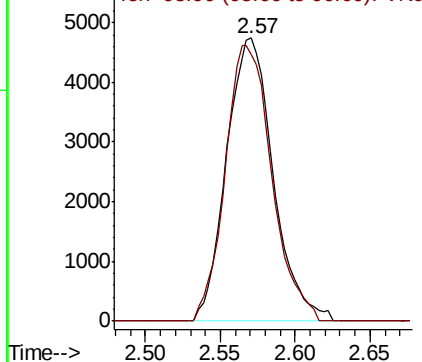
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 4.834 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN052225.D

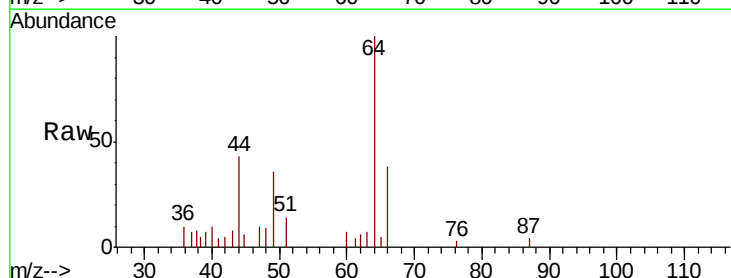
Acq: 9 Nov 2018 14:06

Tgt Ion: 64 Resp: 9270

Ion Ratio Lower Upper

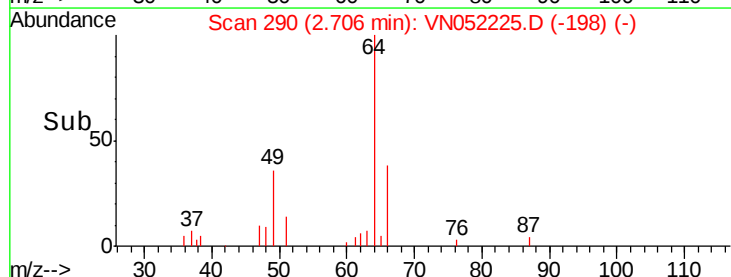
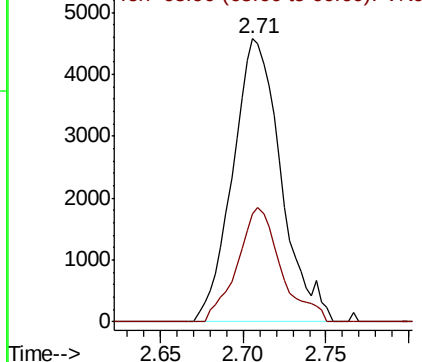
64 100

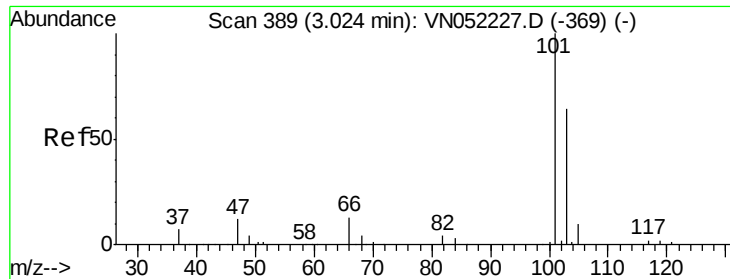
66 38.3 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

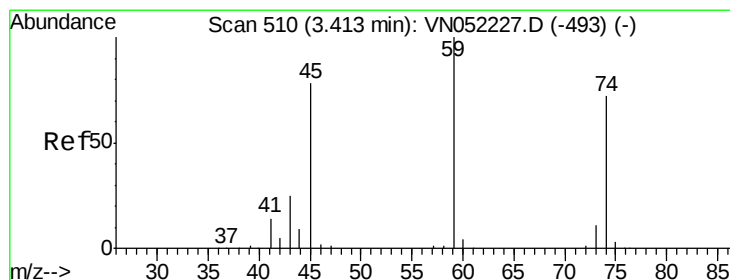
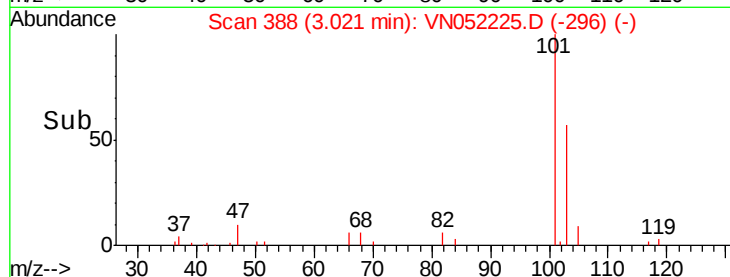
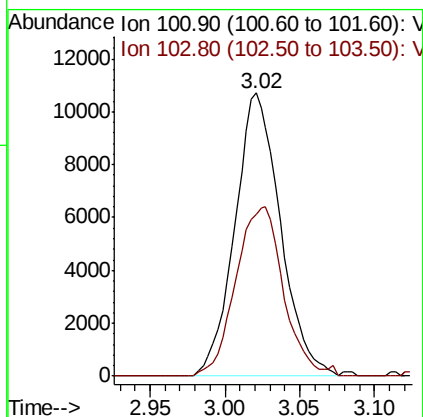
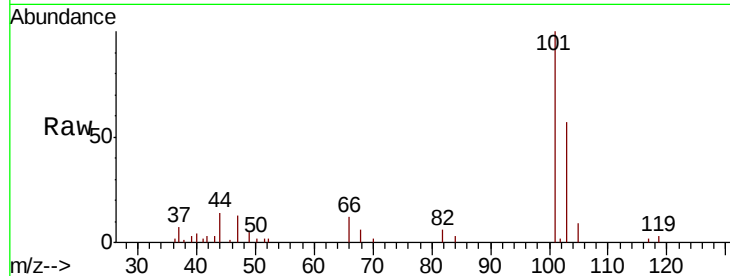
Trichlorofluoromethane
Concen: 5.053 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN052225.D
Acq: 9 Nov 2018 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	57.2	51.2	76.8

Manual Integrations
APPROVED

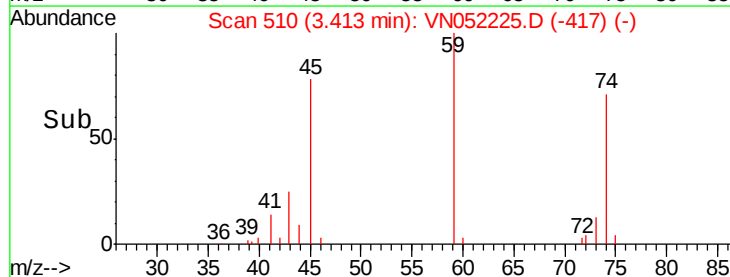
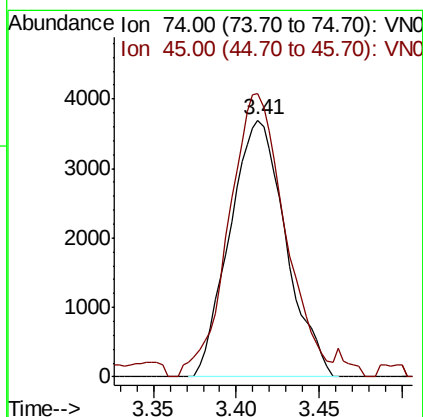
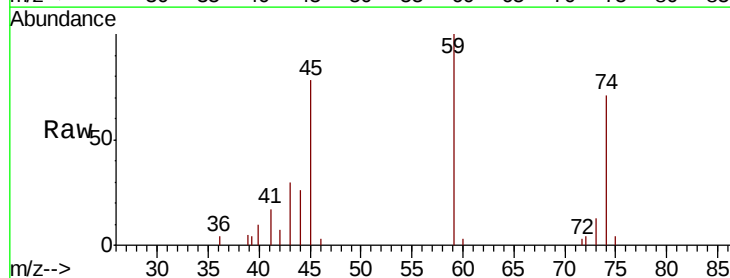
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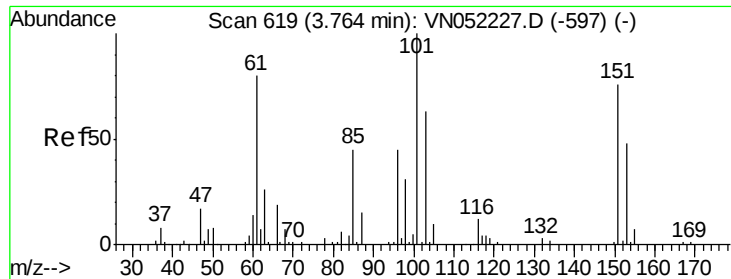


#8

Diethyl Ether
Concen: 4.899 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052225.D
Acq: 9 Nov 2018 14:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.1	55.5	166.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.160 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052225.D

Acq: 9 Nov 2018 14:06

Instrument :

MSVOA_N

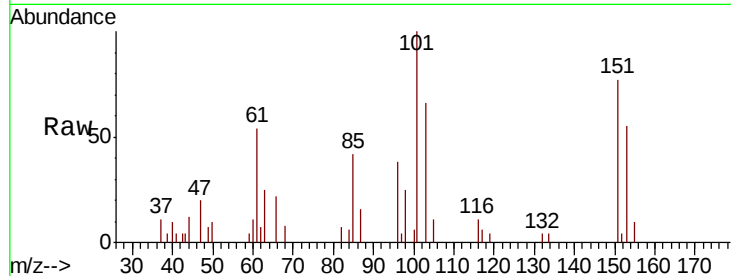
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
85	24.1	36.2	54.4#
151	72.2	59.2	88.8

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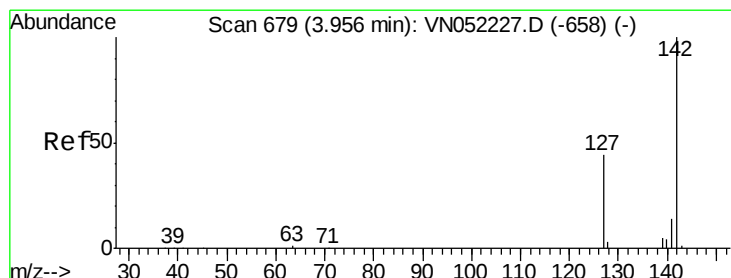
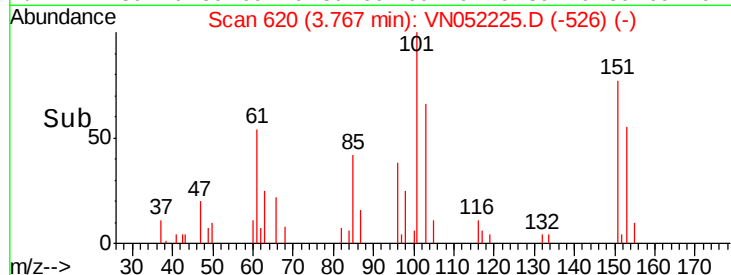
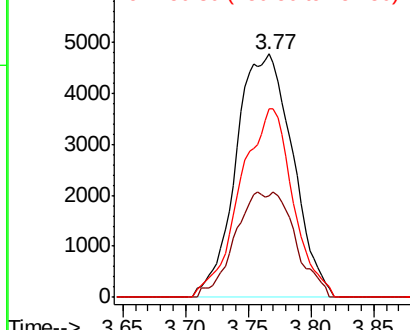


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.478 ug/l

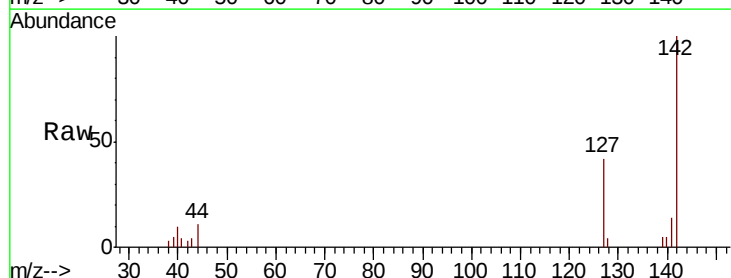
RT: 3.95 min Scan# 678

Delta R.T. -0.00 min

Lab File: VN052225.D

Acq: 9 Nov 2018 14:06

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.1	35.3	52.9
141	13.0	11.8	17.6

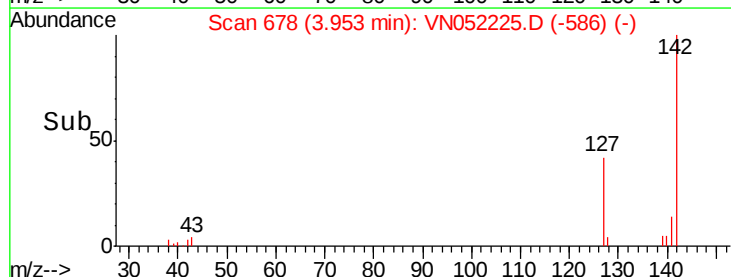
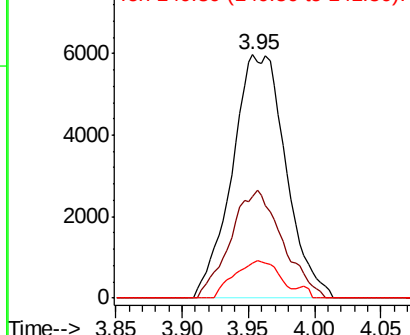


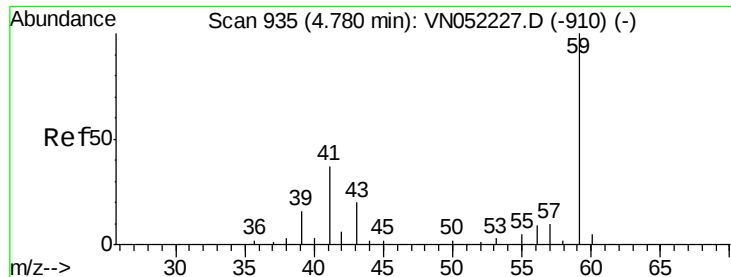
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





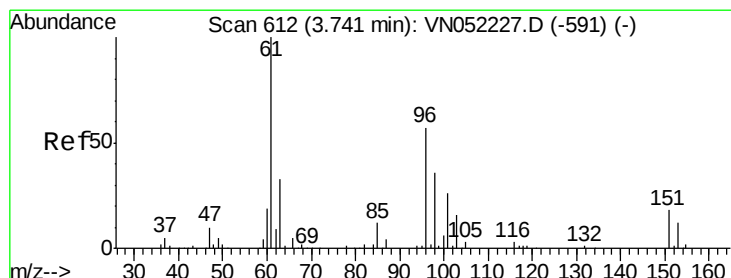
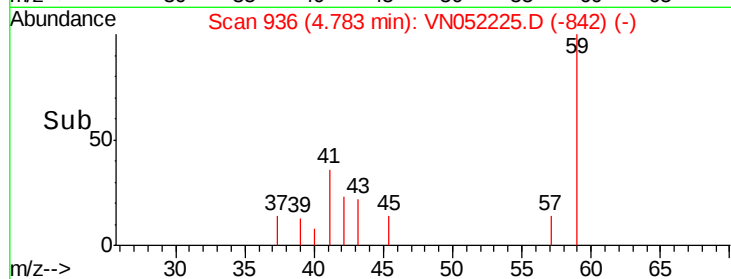
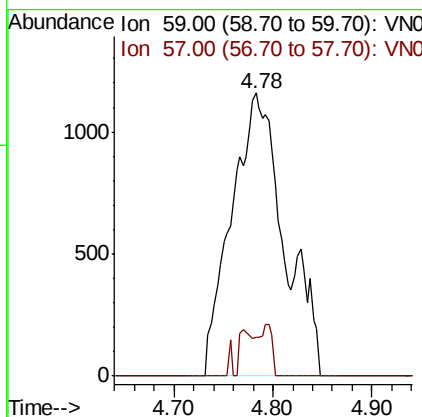
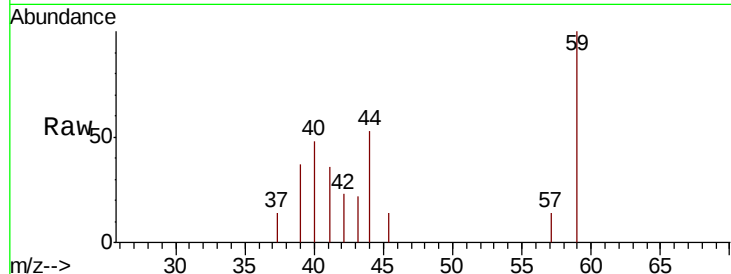
#11
Tert butyl alcohol
Concen: 24.494 ug/l m
RT: 4.78 min Scan# 936
Delta R.T. 0.00 min
Lab File: VN052225.D
Acq: 9 Nov 2018 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 4272
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

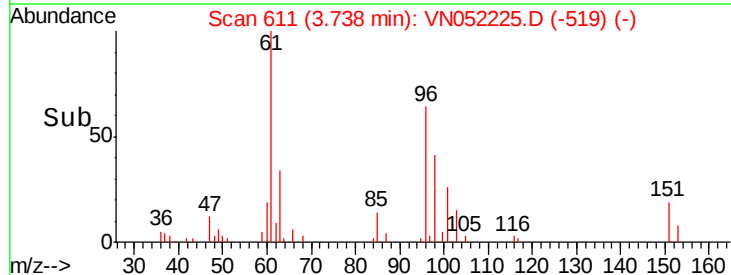
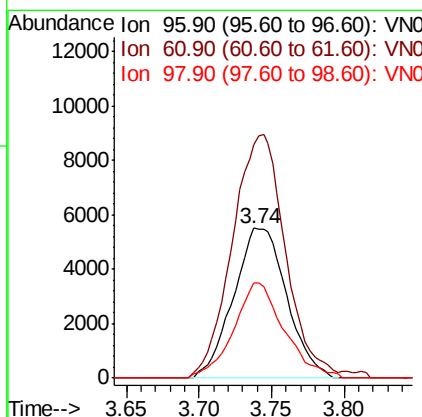
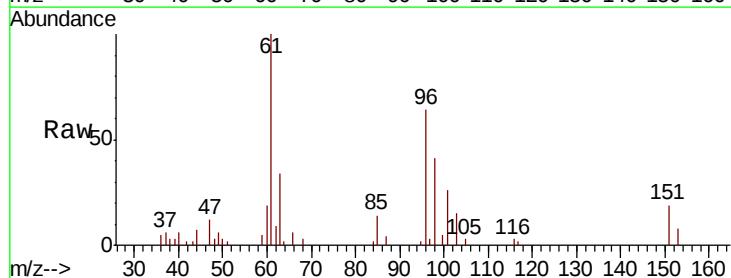
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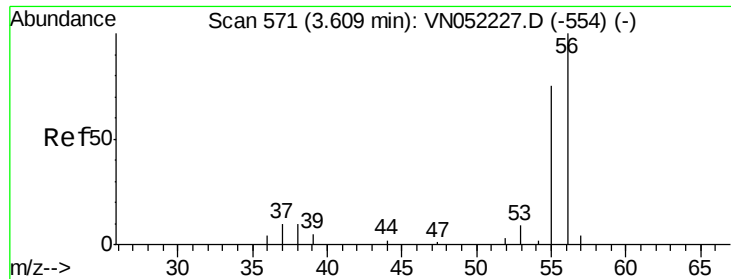
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#12
1,1-Dichloroethene
Concen: 5.267 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN052225.D
Acq: 9 Nov 2018 14:06

Tgt Ion: 96 Resp: 14062
Ion Ratio Lower Upper
96 100
61 155.3 141.1 211.7
98 63.0 50.3 75.5





#13

Acrolein

Concen: 17.564 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052225.D

Acq: 9 Nov 2018 14:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 4236

Ion Ratio Lower Upper

56 100

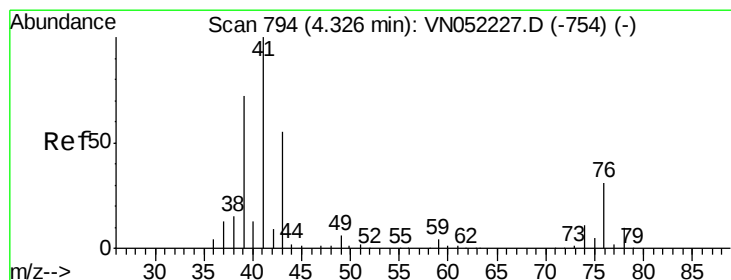
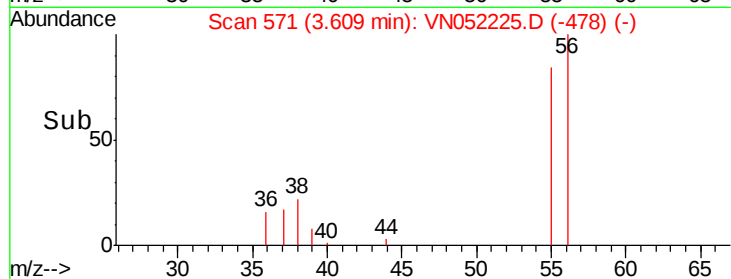
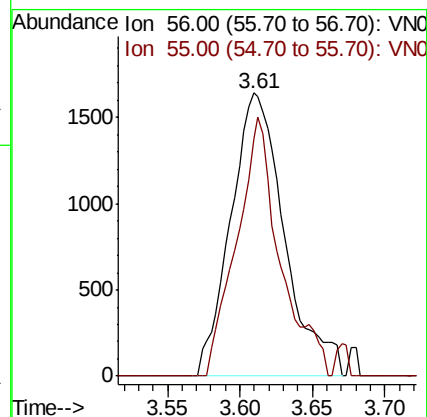
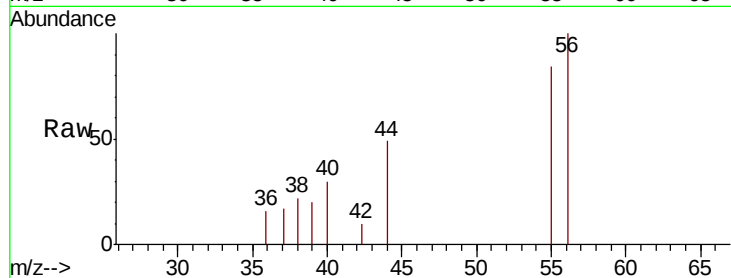
55 73.4 59.9 89.9

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#14

Allyl chloride

Concen: 4.921 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052225.D

Acq: 9 Nov 2018 14:06

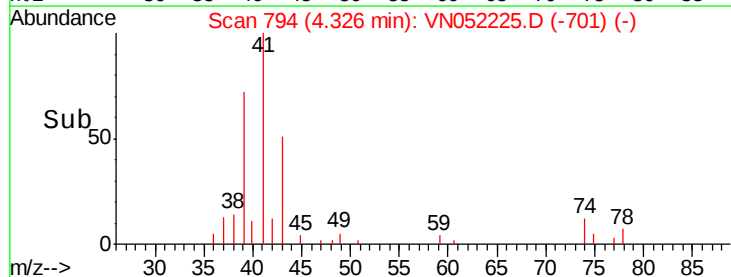
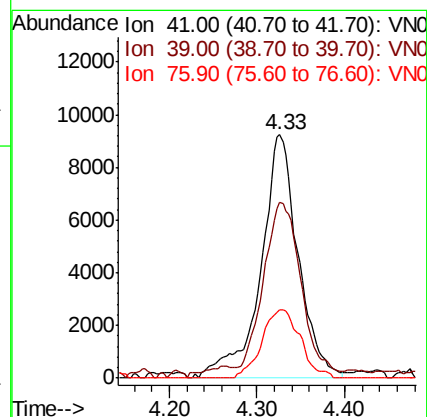
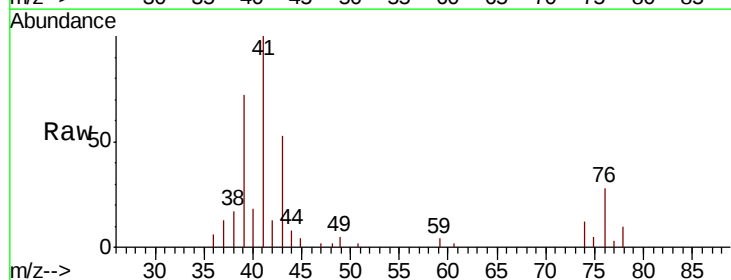
Tgt Ion: 41 Resp: 27503

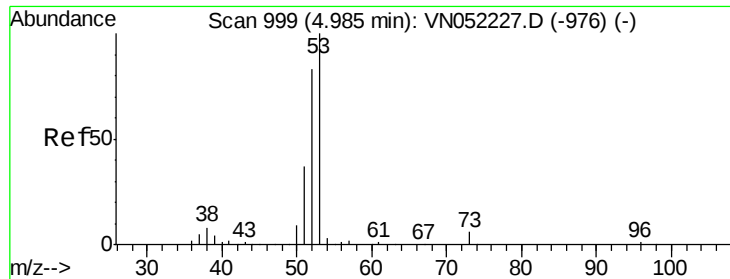
Ion Ratio Lower Upper

41 100

39 68.5 55.1 82.7

76 28.8 23.6 35.4





#15

Acrylonitrile

Concen: 24.462 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN052225.D

Acq: 9 Nov 2018 14:06

Instrument :

MSVOA_N

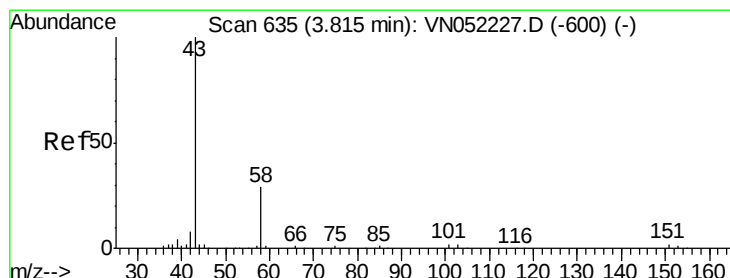
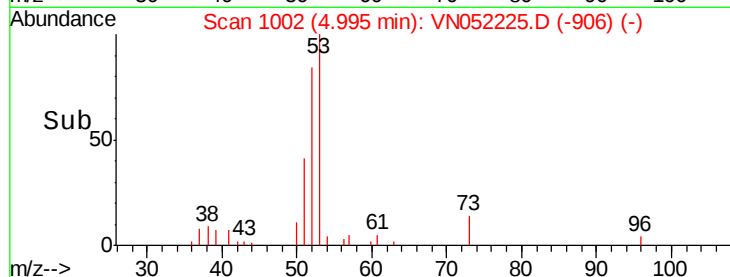
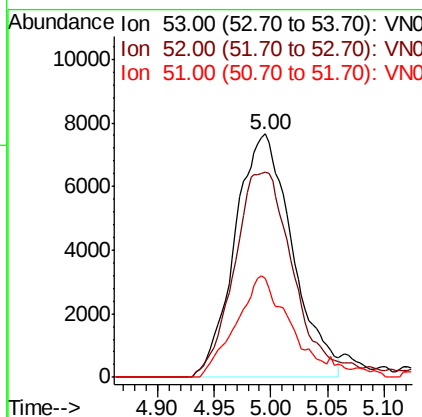
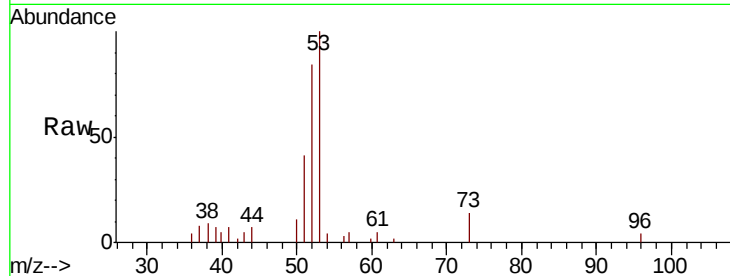
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	26915
Ion	Ratio	Lower	Upper
53	100		
52	87.2	66.7	100.1
51	38.5	29.4	44.0

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#16

Acetone

Concen: 27.196 ug/l

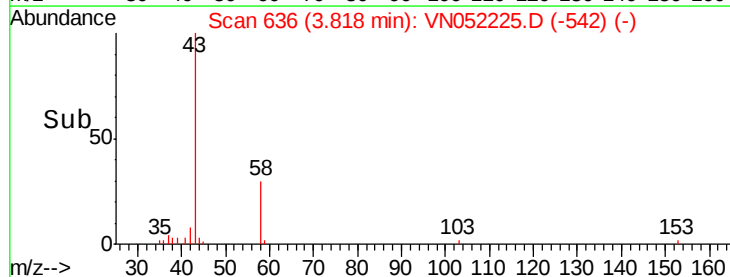
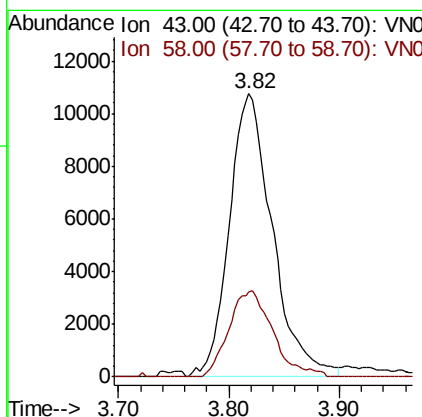
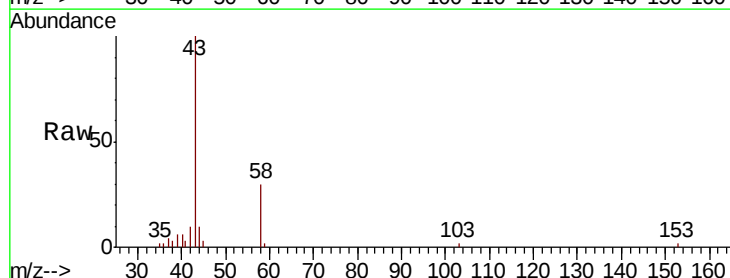
RT: 3.82 min Scan# 636

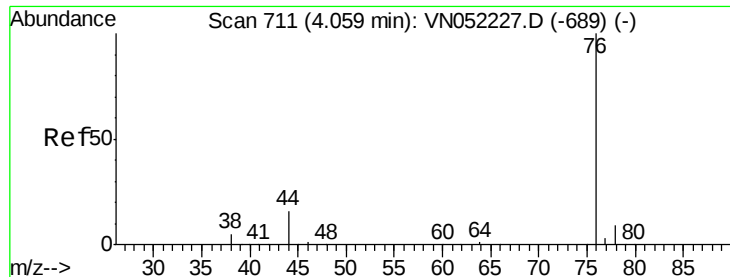
Delta R.T. 0.00 min

Lab File: VN052225.D

Acq: 9 Nov 2018 14:06

Tgt Ion:	43	Resp:	29138
Ion	Ratio	Lower	Upper
43	100		
58	29.9	23.0	34.6





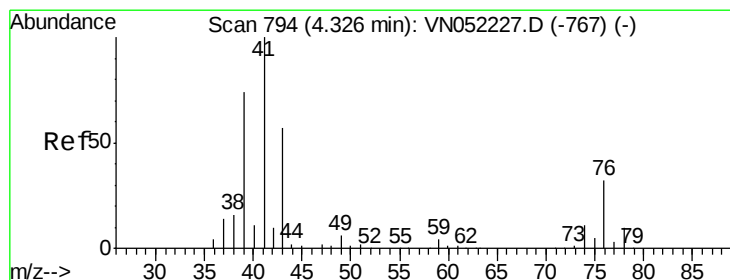
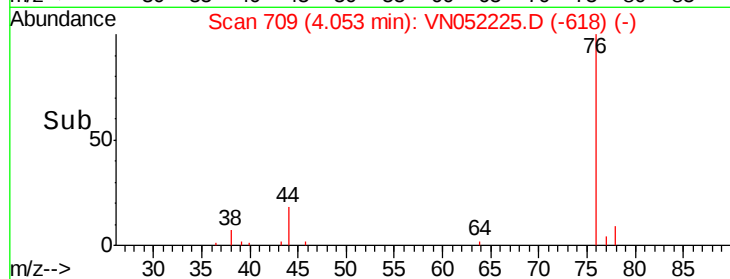
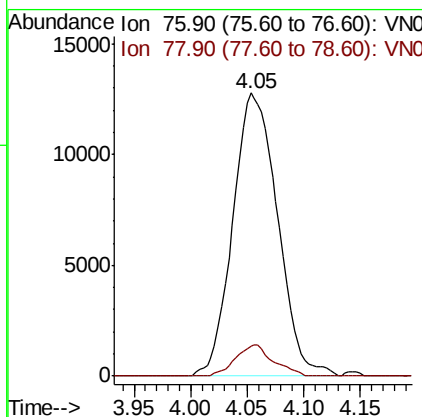
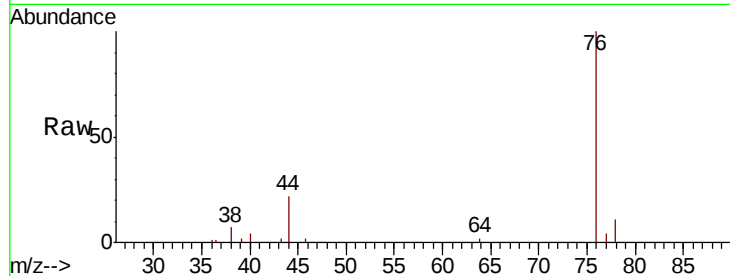
#17
Carbon Disulfide
Concen: 4.536 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.01 min
Lab File: VN052225.D
Acq: 9 Nov 2018 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 76 Resp: 35127
Ion Ratio Lower Upper
76 100
78 10.5 7.3 10.9

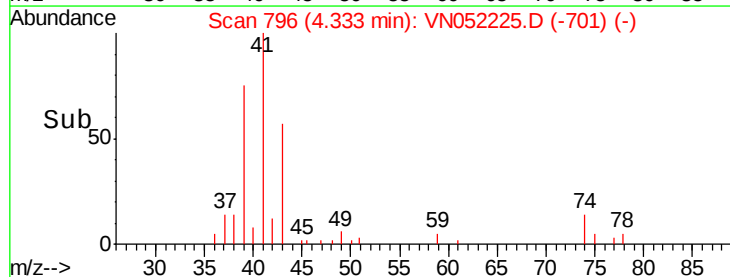
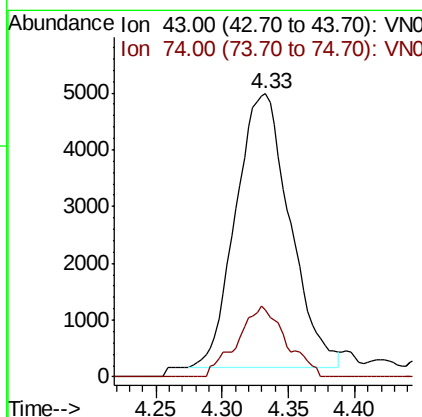
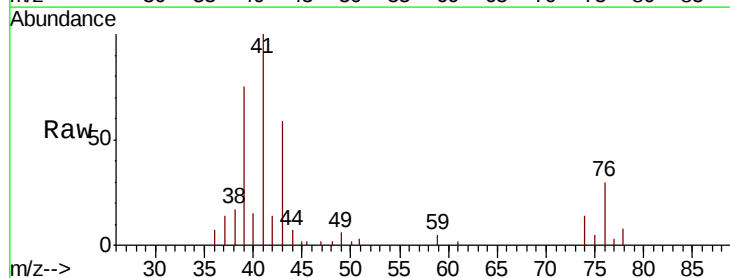
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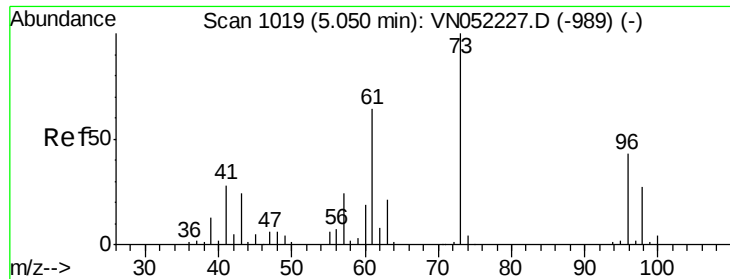
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#18
Methyl Acetate
Concen: 4.972 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN052225.D
Acq: 9 Nov 2018 14:06

Tgt Ion: 43 Resp: 13689
Ion Ratio Lower Upper
43 100
74 23.2 16.2 24.2





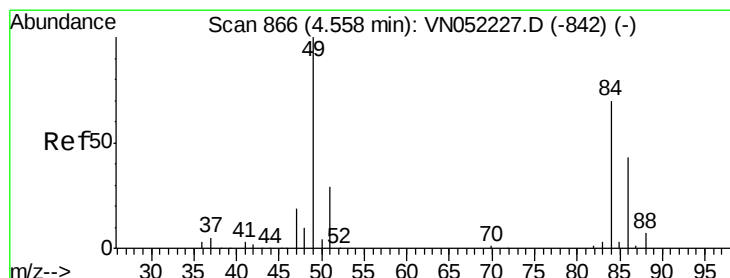
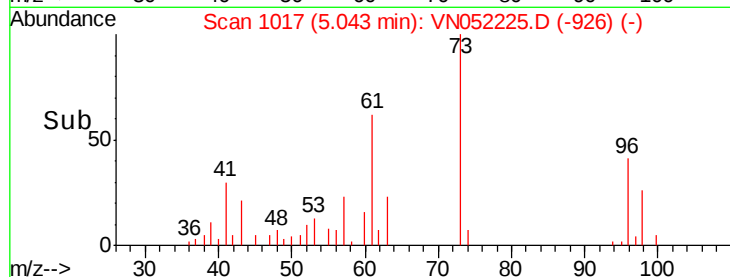
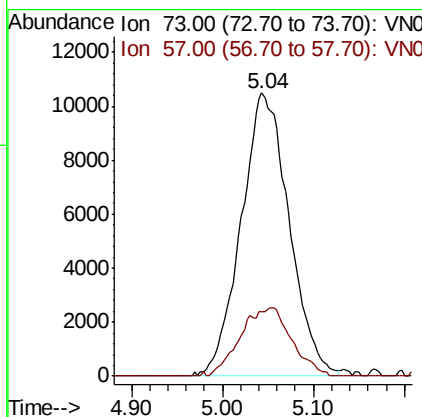
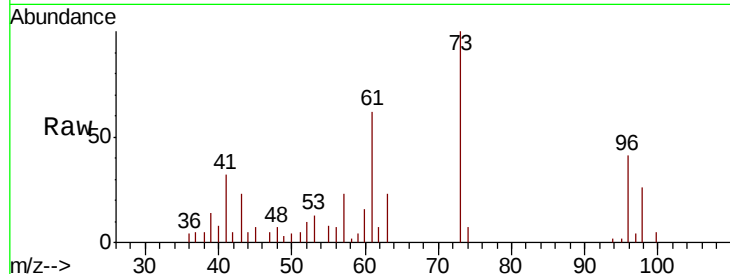
#19
Methvl tert-butvl Ether
Concen: 5.039 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VN052225.D
Acq: 9 Nov 2018 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 38437
Ion Ratio Lower Upper
73 100
57 23.0 19.1 28.7

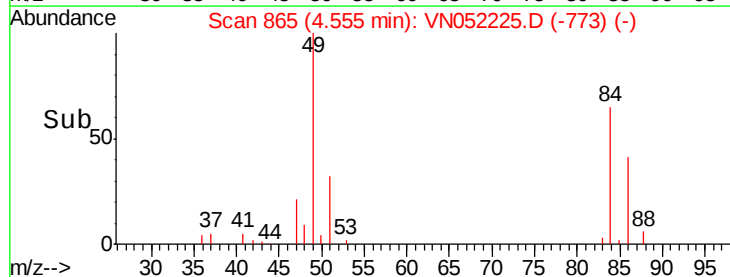
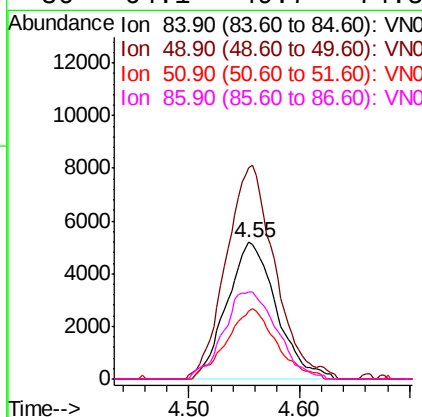
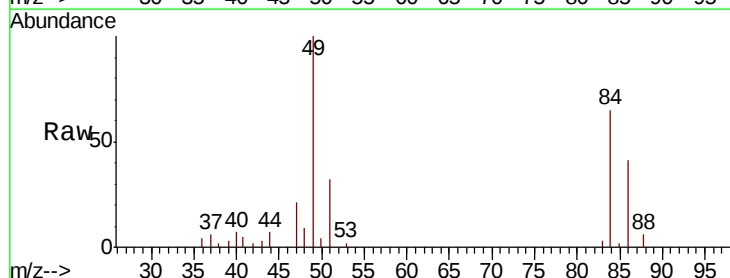
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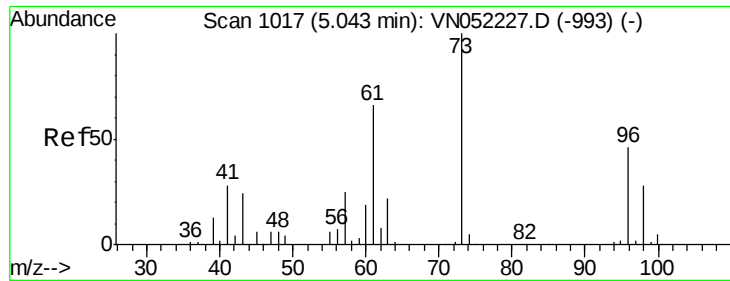
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#20
Methylene Chloride
Concen: 5.434 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052225.D
Acq: 9 Nov 2018 14:06

Tgt Ion: 84 Resp: 16071
Ion Ratio Lower Upper
84 100
49 154.9 114.8 172.2
51 50.1 33.1 49.7#
86 64.1 49.7 74.5





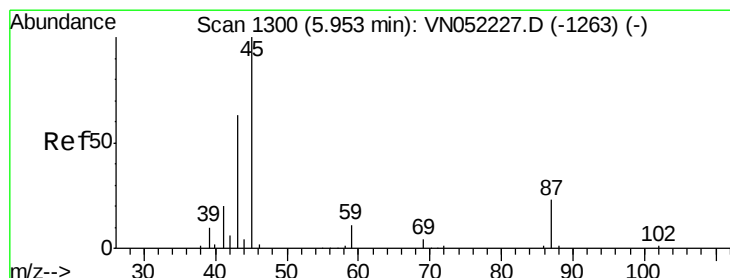
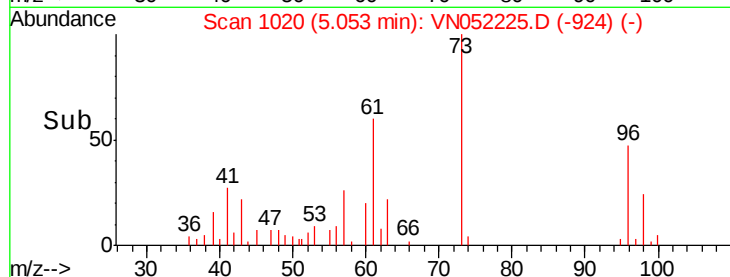
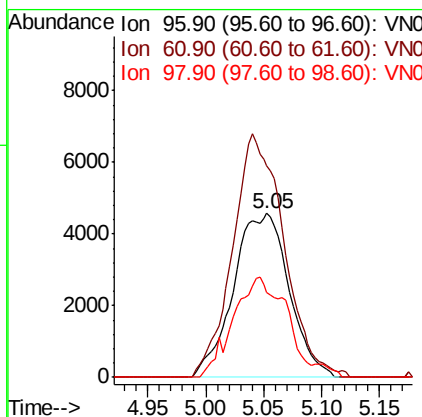
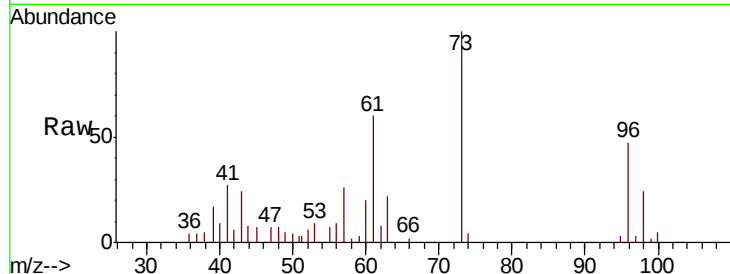
#21
trans-1,2-Dichloroethene
Concen: 5.260 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VN052225.D
Acq: 9 Nov 2018 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.2	115.3	172.9
98	52.0	49.5	74.3

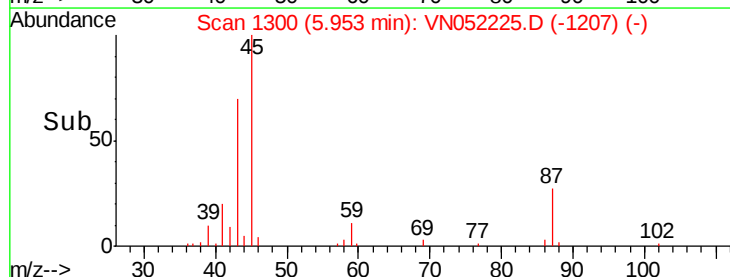
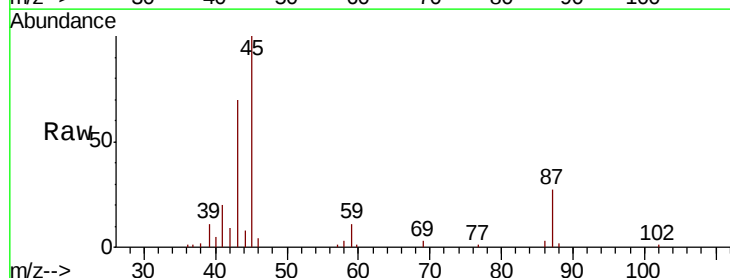
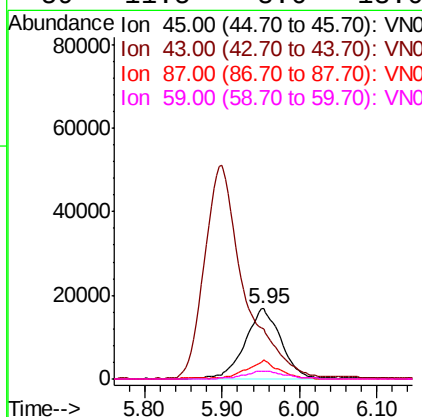
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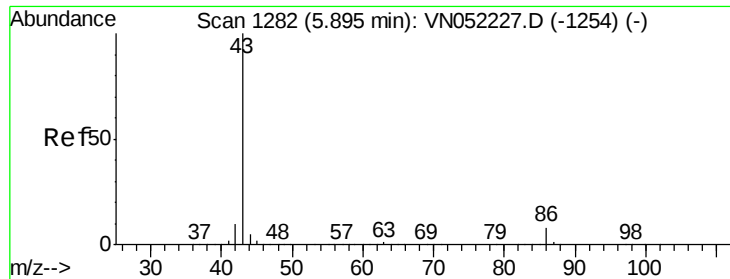
MMDadoda
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#22
Diisopropyl ether
Concen: 4.894 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052225.D
Acq: 9 Nov 2018 14:06

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.9	50.6	76.0
87	26.6	19.0	28.4
59	11.5	8.6	13.0





#23

Vinyl Acetate

Concen: 23.841 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052225.D

Acq: 9 Nov 2018 14:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 183298

Ion Ratio Lower Upper

43 100

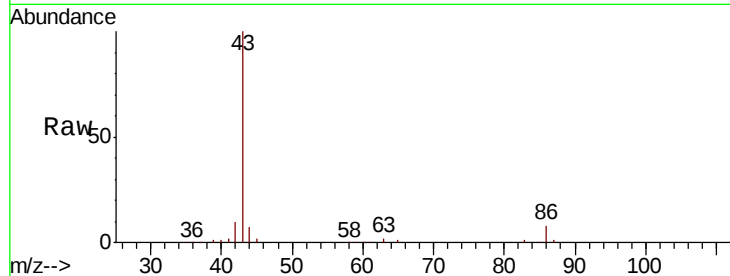
86 8.2 6.7 10.1

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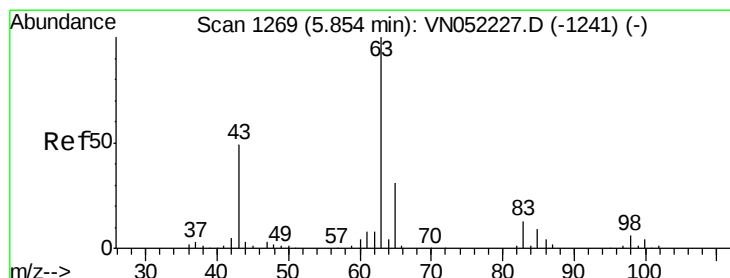
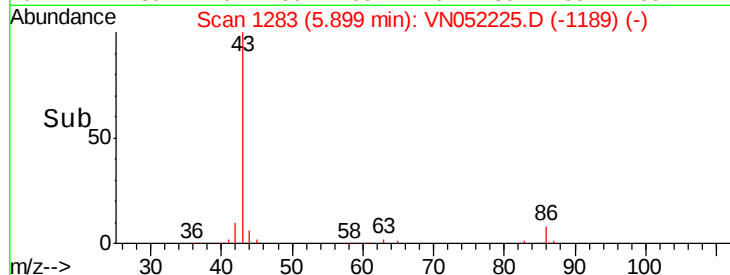
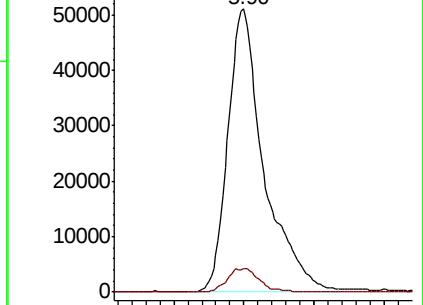
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN052227.D (-1254) (-)

Ion 86.00 (85.70 to 86.70): VN052227.D (-1254) (-)



#24

1,1-Dichloroethane

Concen: 5.128 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN052225.D

Acq: 9 Nov 2018 14:06

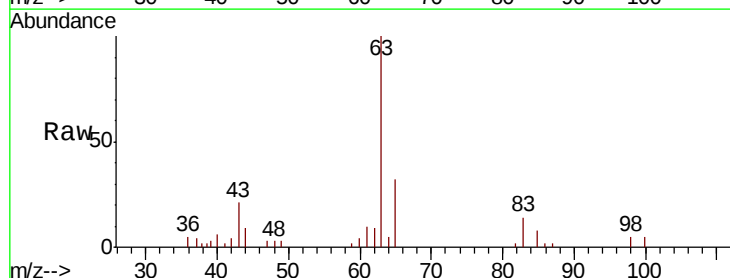
Tgt Ion: 63 Resp: 30345

Ion Ratio Lower Upper

63 100

98 5.2 2.9 8.6

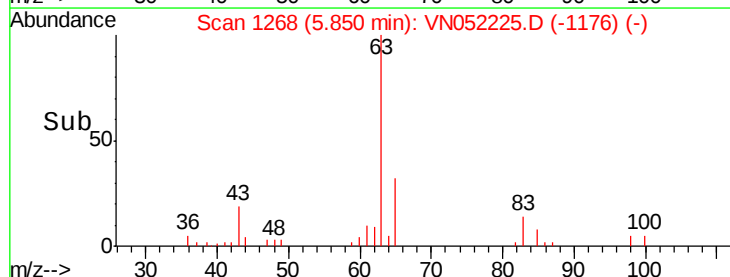
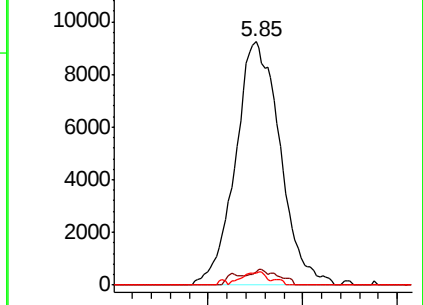
100 5.0 2.1 6.2

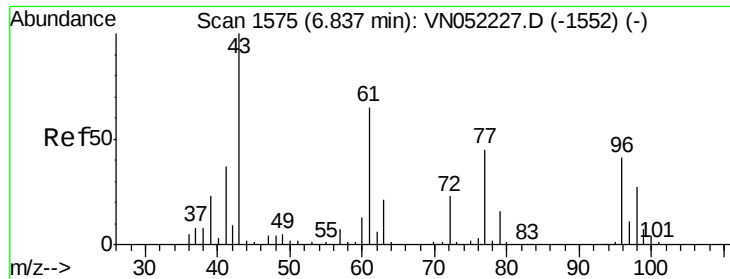


Abundance Ion 62.90 (62.60 to 63.60): VN052227.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN052227.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN052227.D (-1241) (-)





#25

2-Butanone

Concen: 26.548 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052225.D

Acq: 9 Nov 2018 14:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 39552

Ion Ratio Lower Upper

43 100

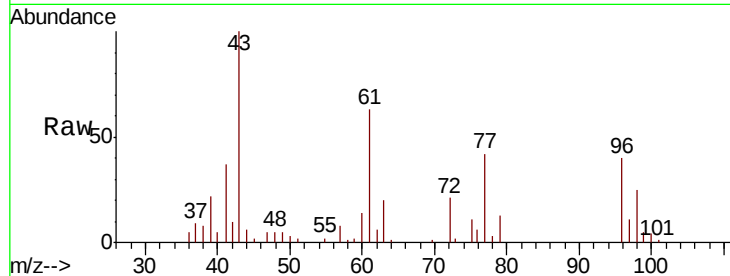
72 21.0 18.6 27.8

Manual Integrations

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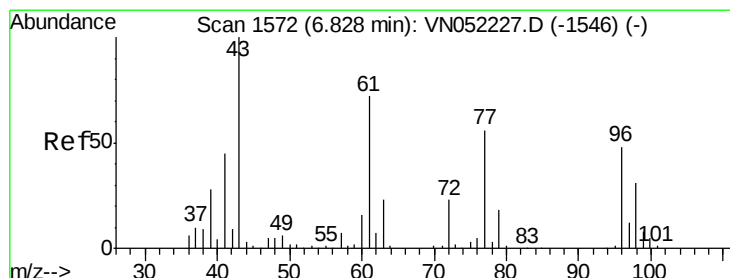
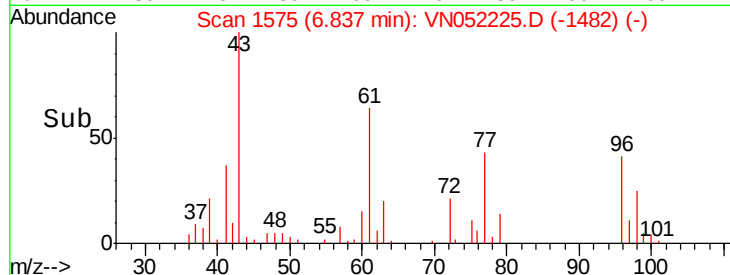
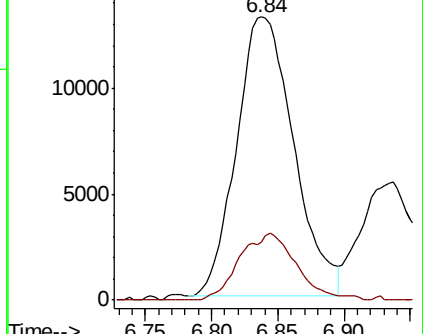
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 4.704 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN052225.D

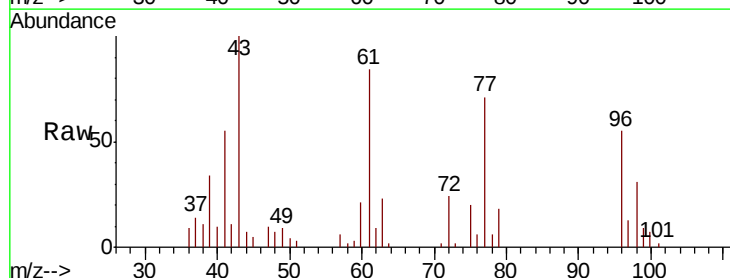
Acq: 9 Nov 2018 14:06

Tgt Ion: 77 Resp: 20333

Ion Ratio Lower Upper

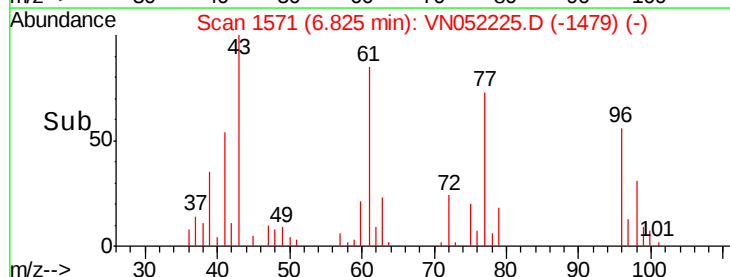
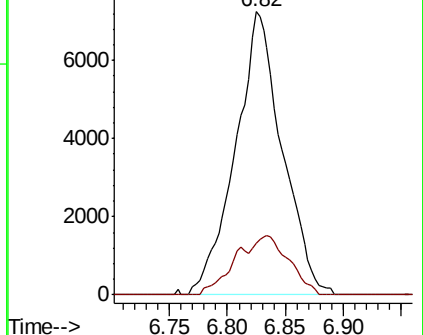
77 100

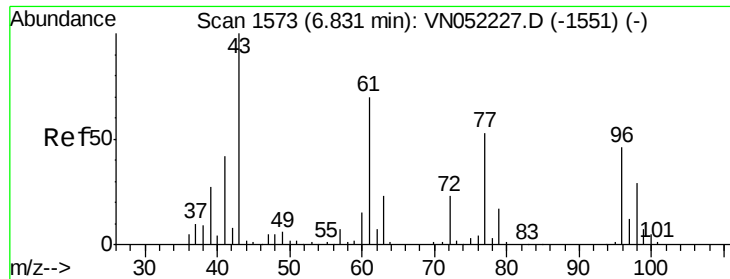
97 14.7 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 5.143 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052225.D

Acq: 9 Nov 2018 14:06

Instrument :

MSVOA_N

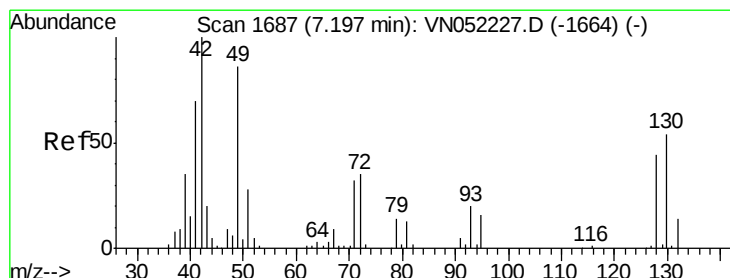
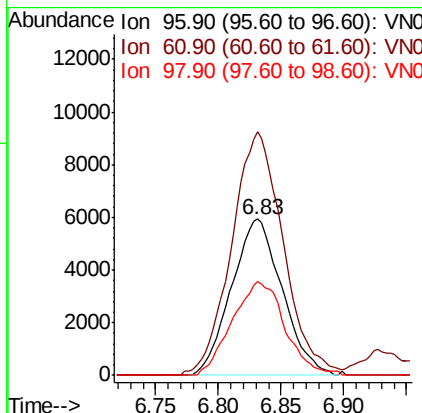
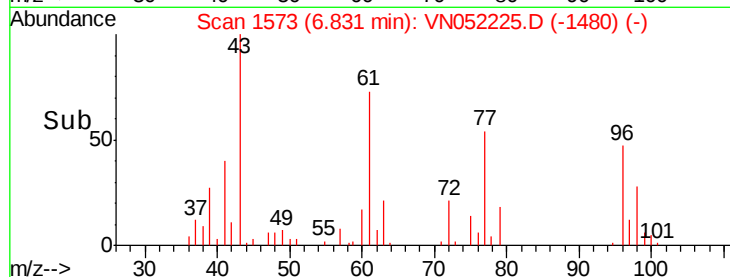
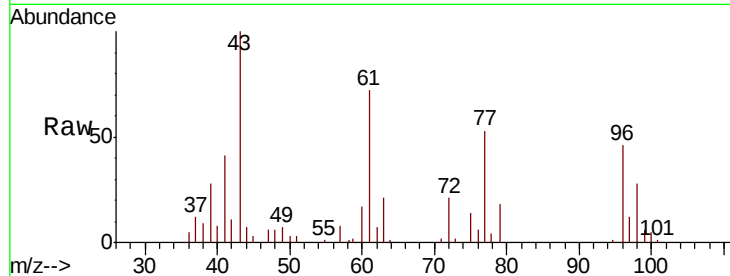
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	16705
Ion	Ratio	Lower	Upper
96	100		
61	158.8	0.0	313.4
98	62.4	0.0	129.8

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#28

Bromochloromethane

Concen: 5.257 ug/l

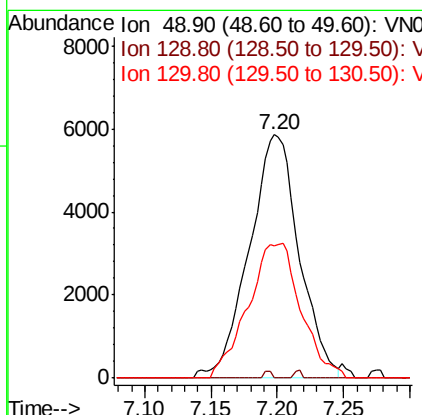
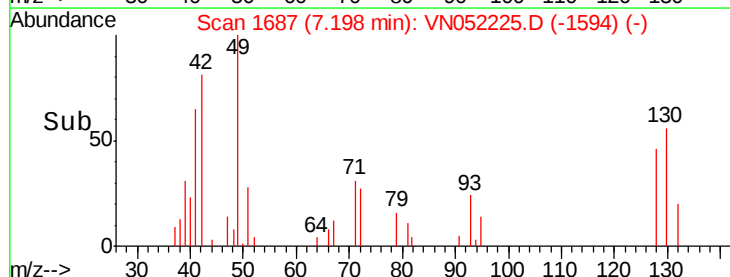
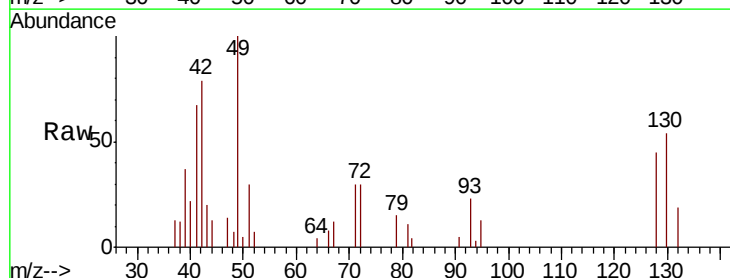
RT: 7.20 min Scan# 1687

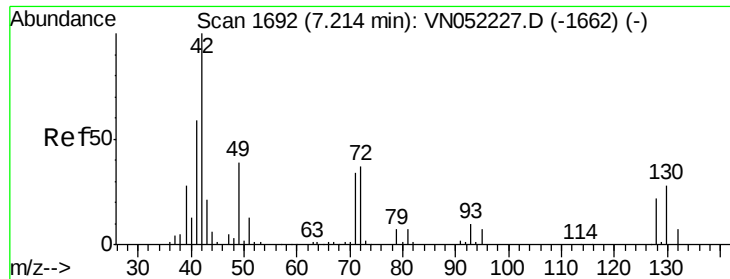
Delta R.T. 0.00 min

Lab File: VN052225.D

Acq: 9 Nov 2018 14:06

Tgt Ion:	49	Resp:	15373
Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	3.8
130	58.6	51.4	77.2





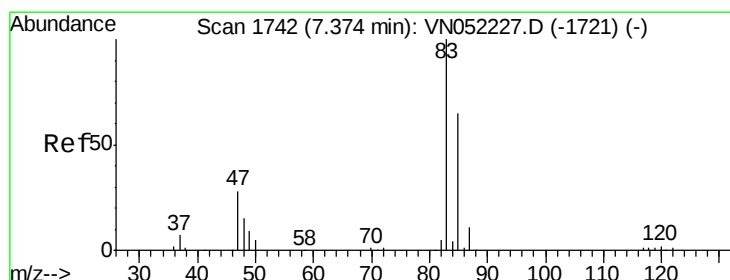
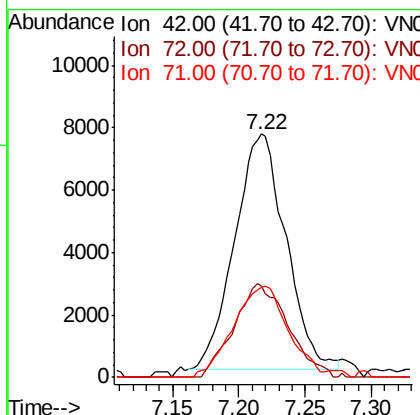
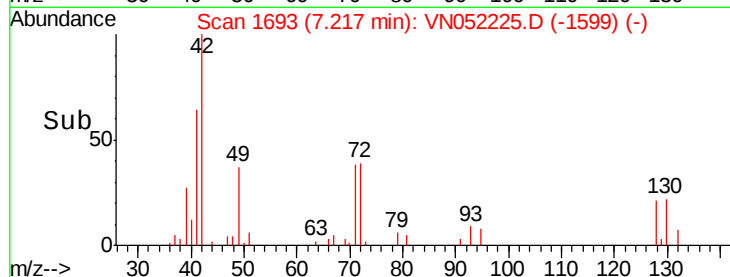
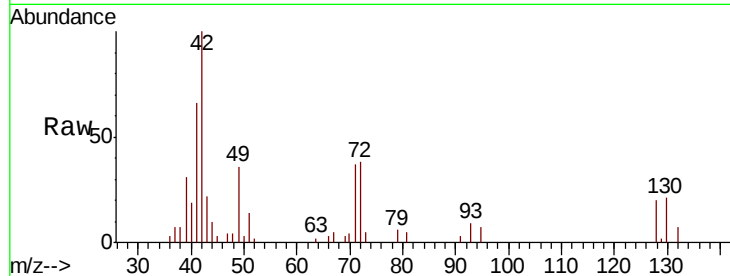
#29
Tetrahydrofuran
Concen: 21.299 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN052225.D
Acq: 9 Nov 2018 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	28.6	43.0
71	41.1	27.1	40.7#

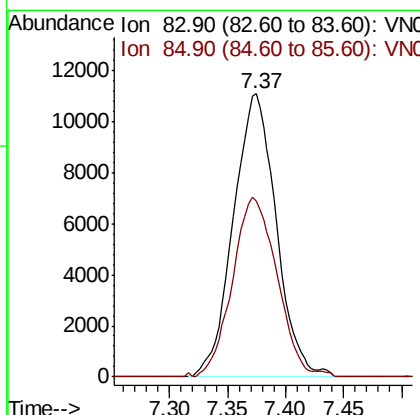
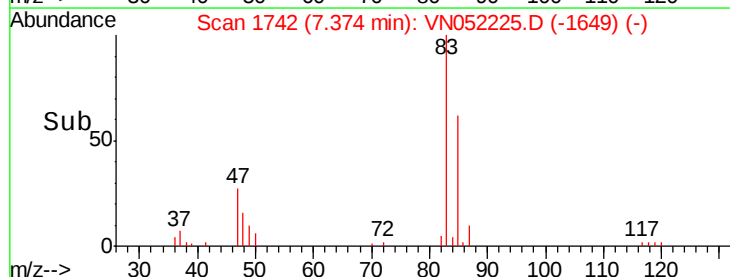
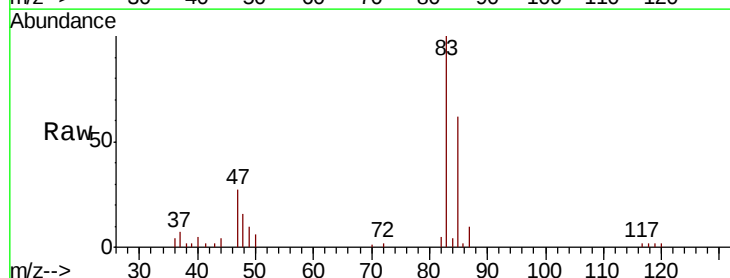
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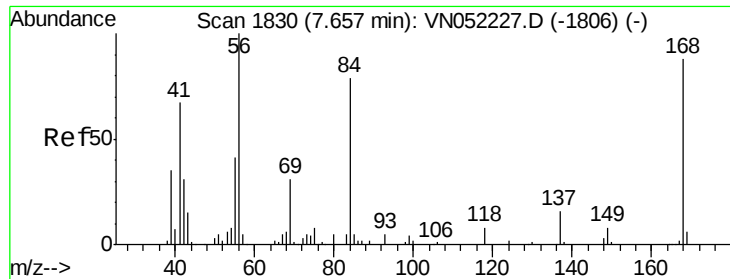
MMDadoda
11/12/2018 9:18:33 AM



#30
Chloroform
Concen: 5.078 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052225.D
Acq: 9 Nov 2018 14:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.9	51.8	77.6





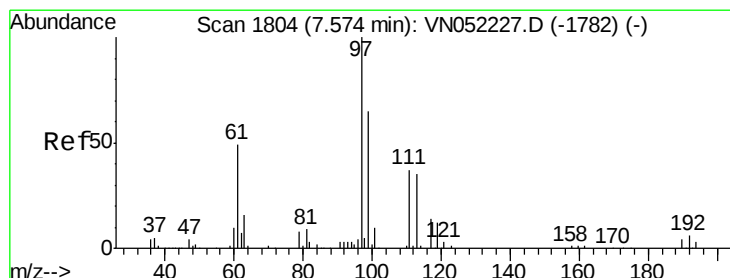
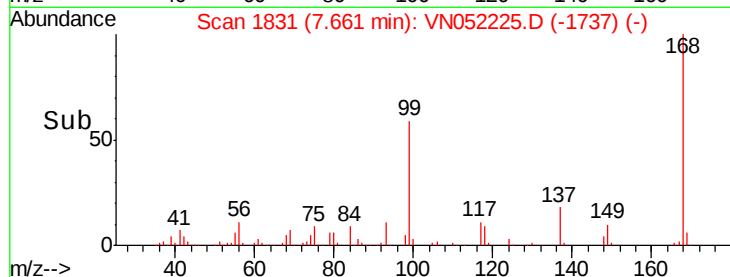
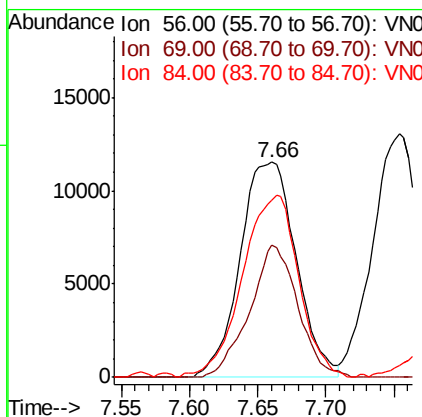
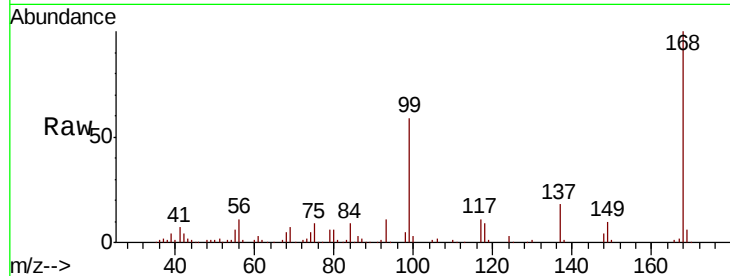
#31
Cyclohexane
Concen: 4.795 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.00 min
Lab File: VN052225.D
Acq: 9 Nov 2018 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	61.8	24.8	37.2#
84	80.5	63.1	94.7

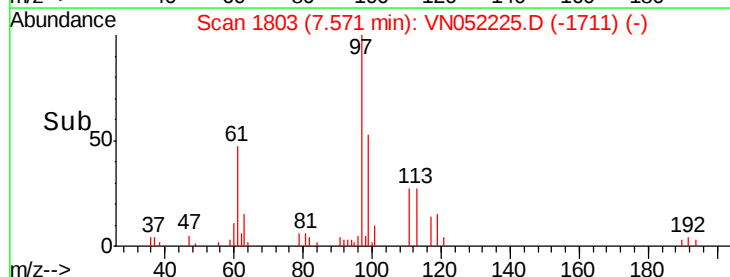
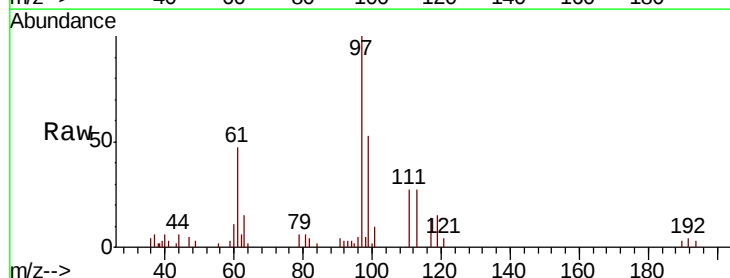
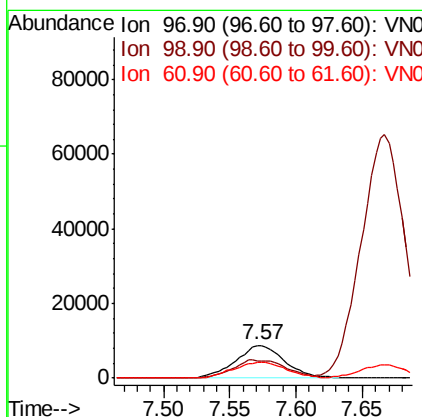
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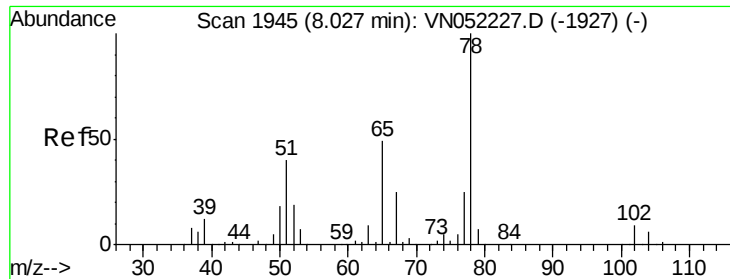
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#32
1,1,1-Trichloroethane
Concen: 4.900 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN052225.D
Acq: 9 Nov 2018 14:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.7	51.9	77.9
61	53.1	40.2	60.4





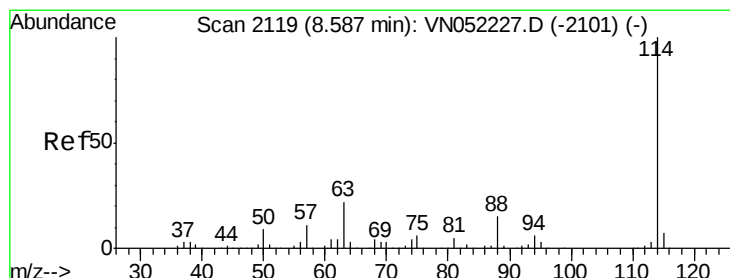
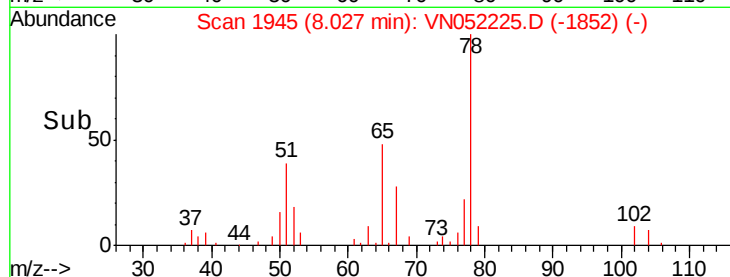
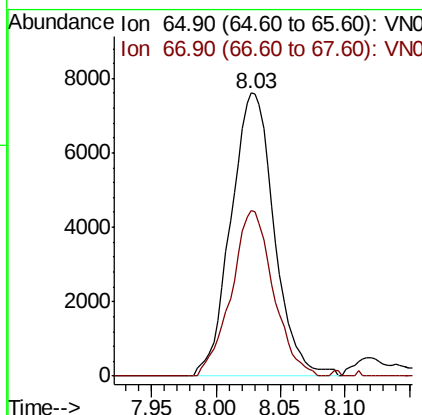
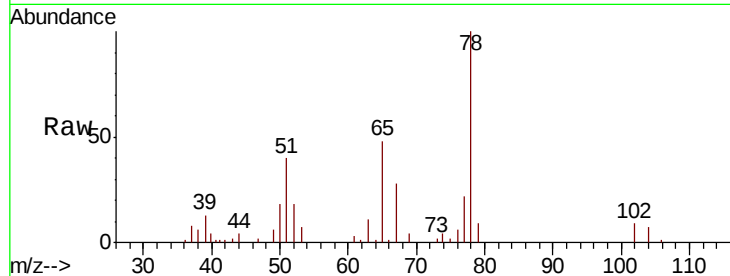
#33
 1,2-Dichloroethane-d4
 Concen: 4.900 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052225.D
 Acq: 9 Nov 2018 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	56.7	0.0	106.6

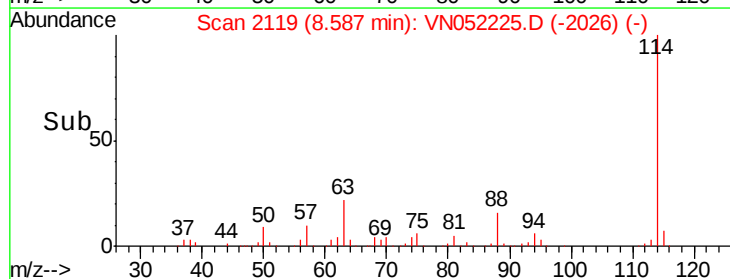
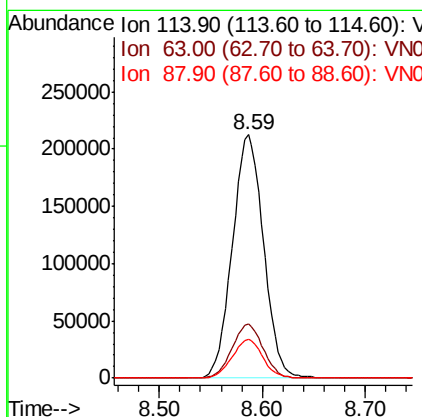
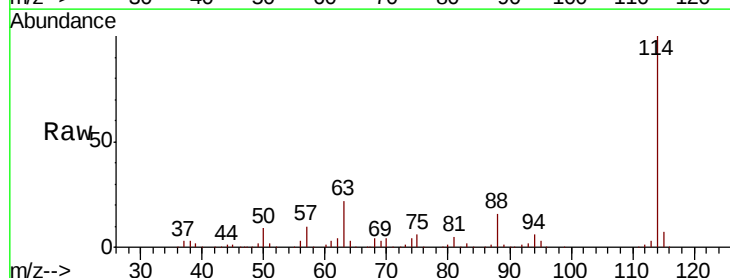
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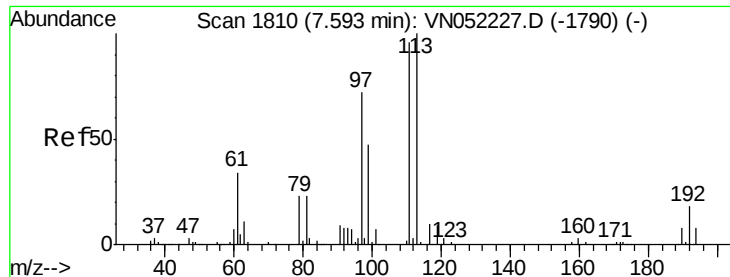
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 11/12/2018 9:18:33 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052225.D
 Acq: 9 Nov 2018 14:06

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	43.4
88	15.9	0.0	30.2





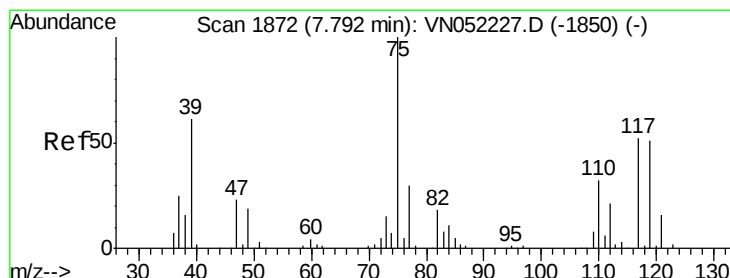
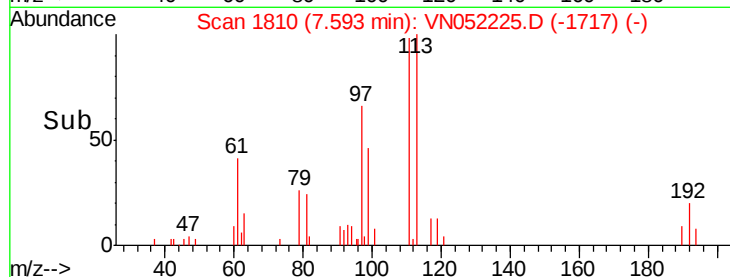
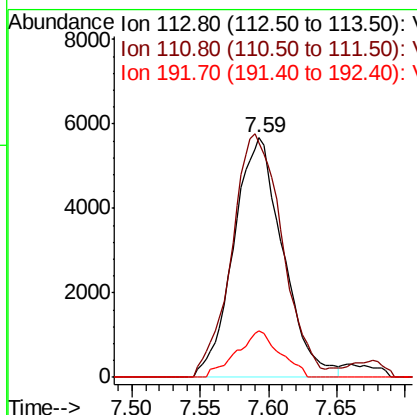
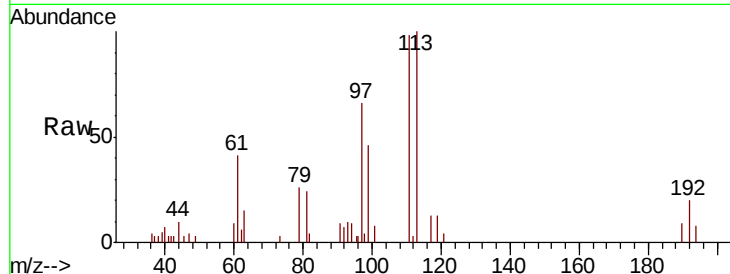
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN052225.D
Acq: 9 Nov 2018 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	80.2	120.4
192	16.9	14.1	21.1

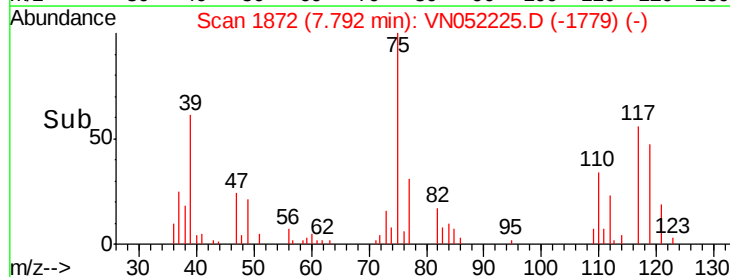
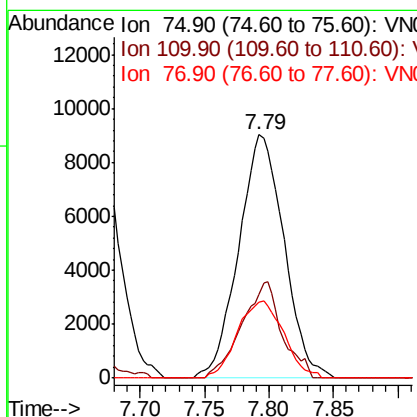
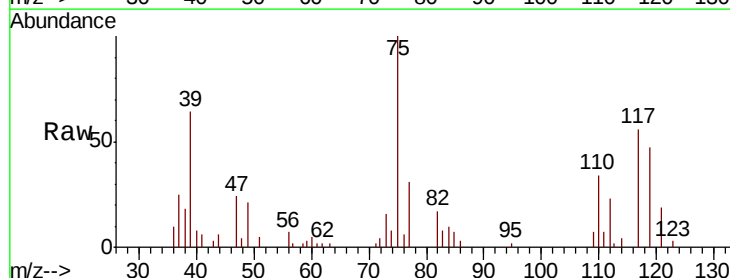
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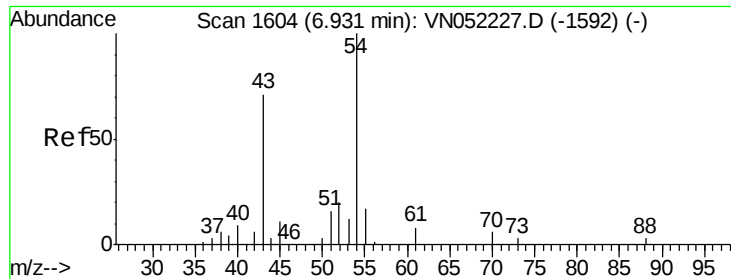
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#36
1,1-Dichloropropene
Concen: 4.878 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN052225.D
Acq: 9 Nov 2018 14:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.2	16.4	49.4
77	32.3	23.9	35.9





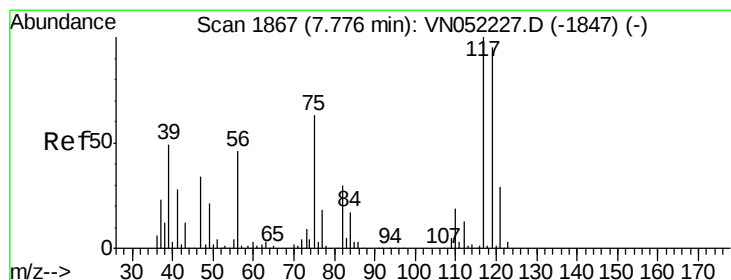
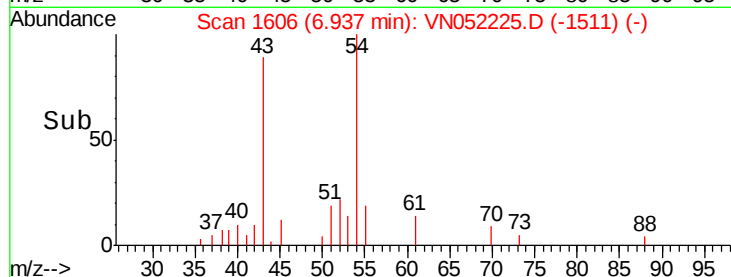
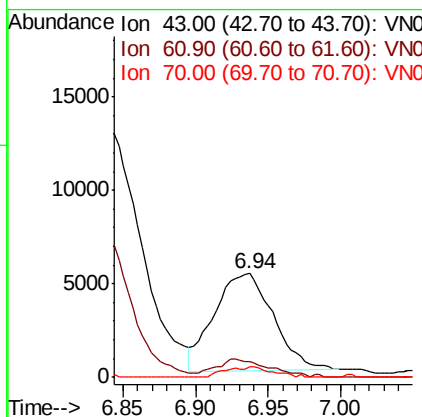
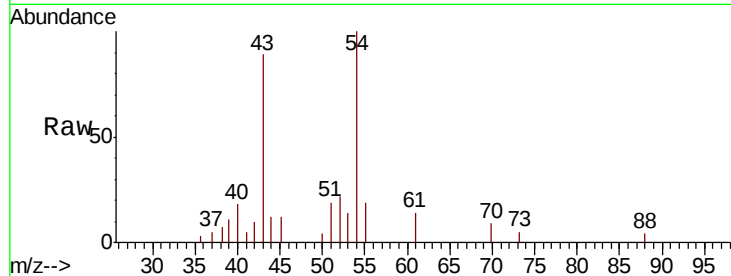
#37
Ethyl Acetate
Concen: 4.434 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN052225.D
Acq: 9 Nov 2018 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.0	15.0#
70	4.6	6.9	10.3#

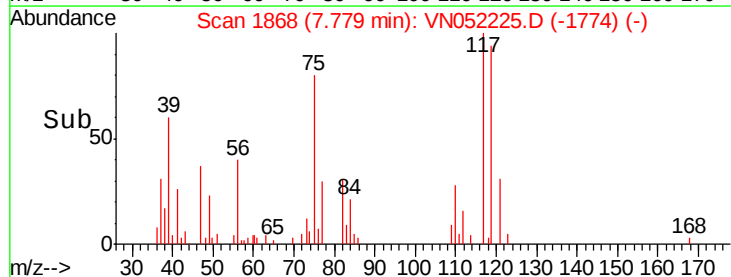
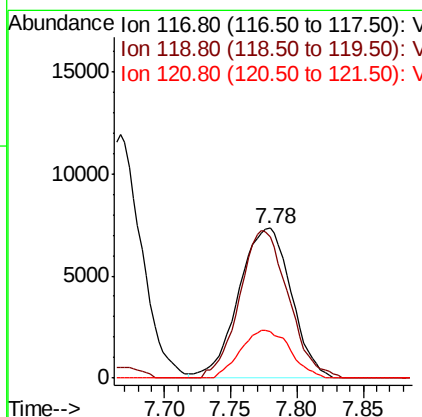
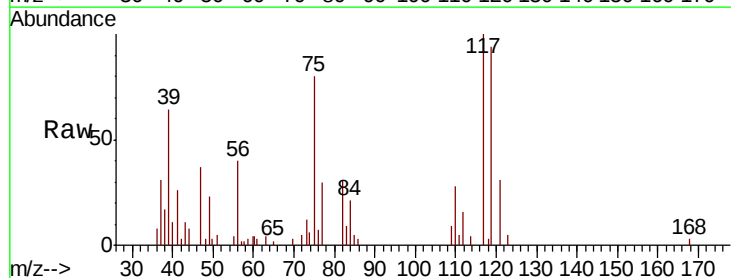
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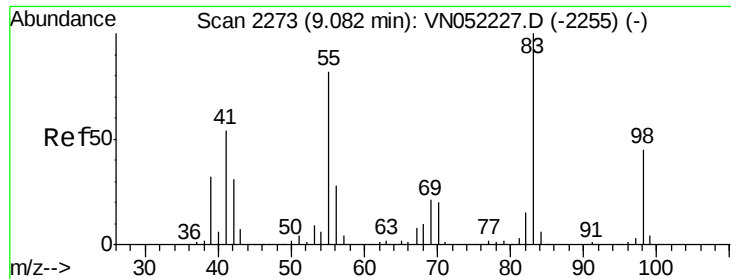
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#38
Carbon Tetrachloride
Concen: 4.934 ug/l
RT: 7.78 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VN052225.D
Acq: 9 Nov 2018 14:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.8	113.8
121	30.7	23.4	35.2





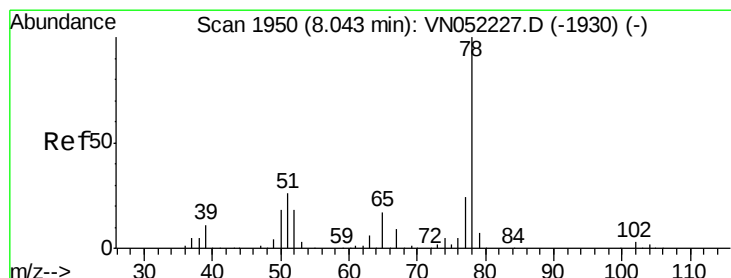
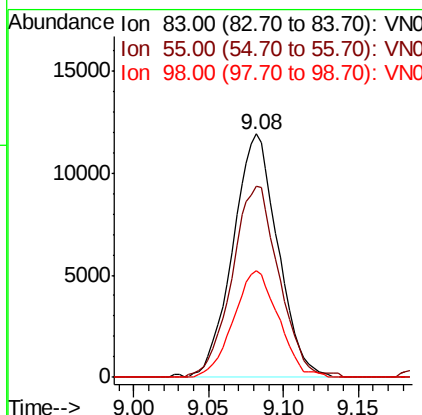
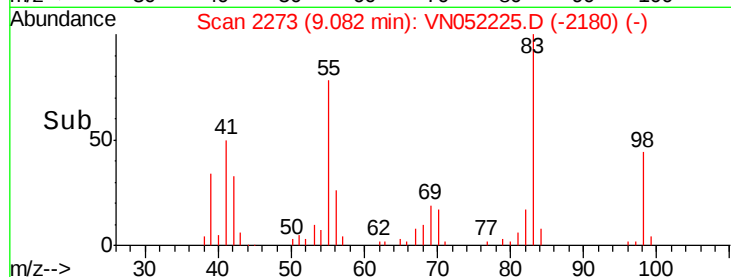
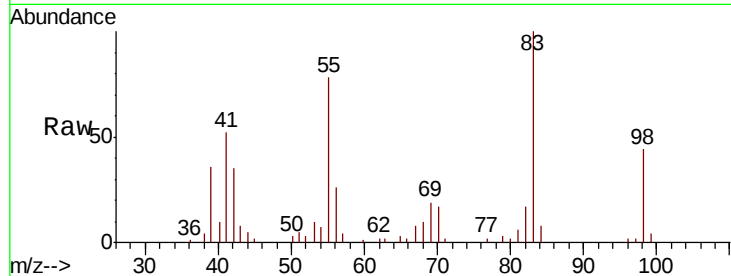
#39
Methvlcvclohexane
Concen: 4.830 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052225.D
Acq: 9 Nov 2018 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.0	65.2	97.8
98	43.6	36.3	54.5

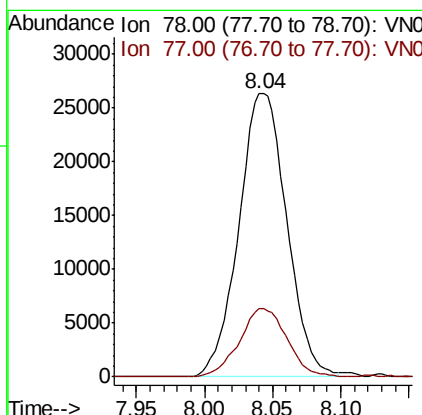
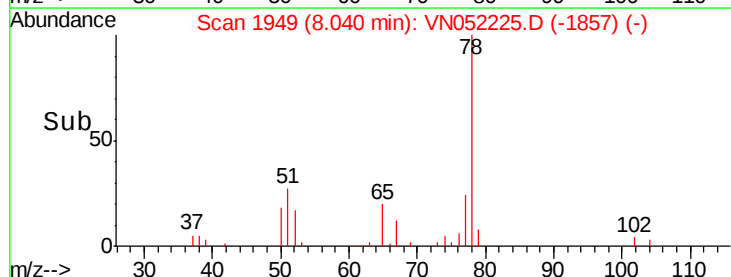
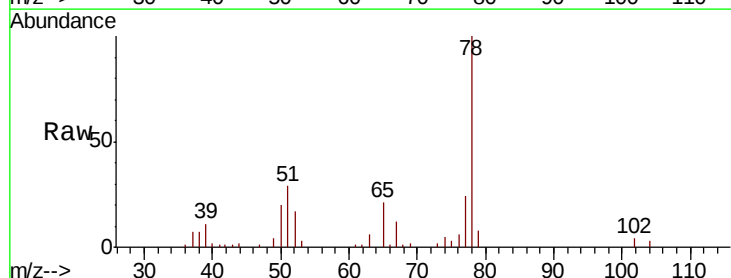
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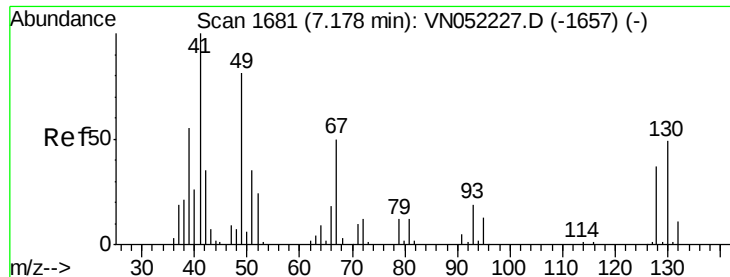
MMDadoda
11/12/2018 9:18:33 AM



#40
Benzene
Concen: 4.962 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN052225.D
Acq: 9 Nov 2018 14:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8





#41

Methacrylonitrile

Concen: 5.103 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN052225.D

Acq: 9 Nov 2018 14:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 41 Resp: 8978

Ion Ratio Lower Upper

41 100

39 49.0 47.8 71.6

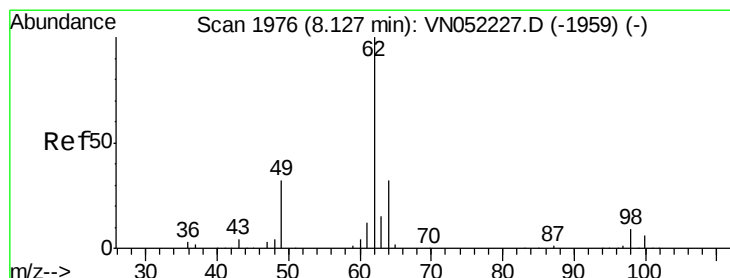
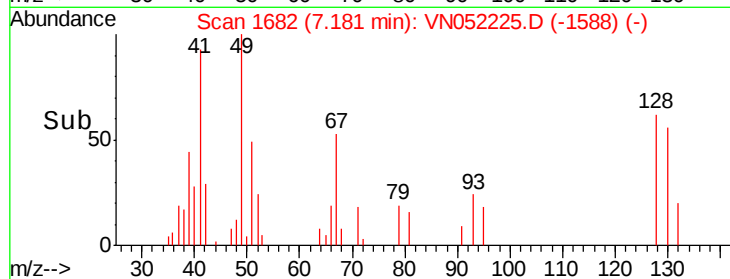
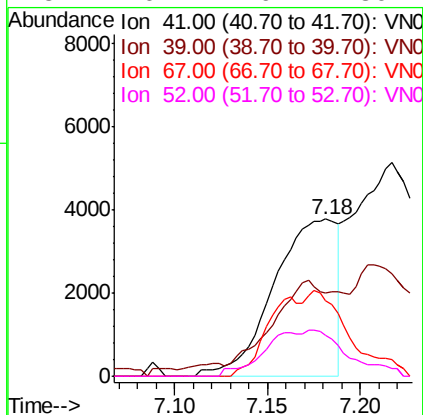
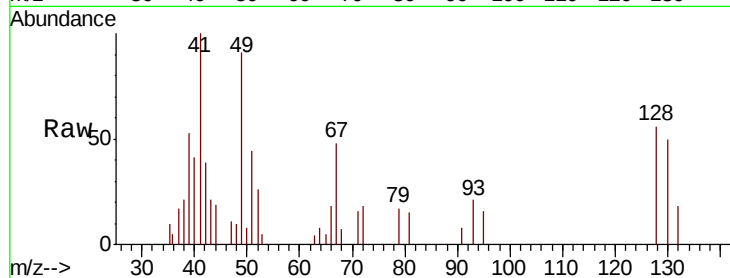
67 29.2 54.3 81.5#

52 16.2 26.2 39.4#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 5.035 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN052225.D

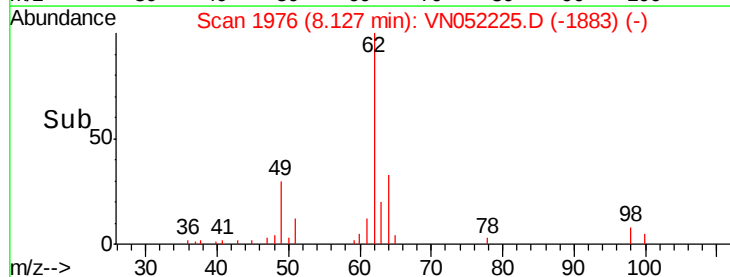
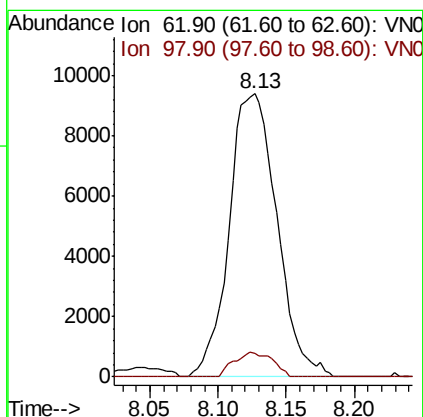
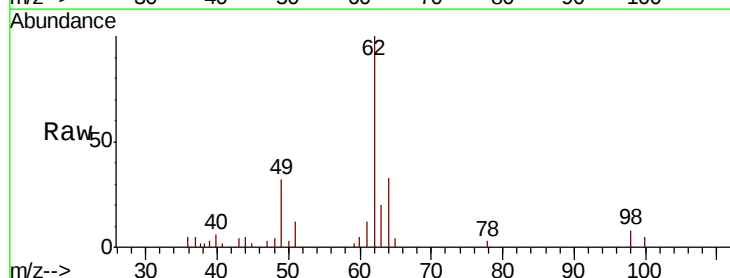
Acq: 9 Nov 2018 14:06

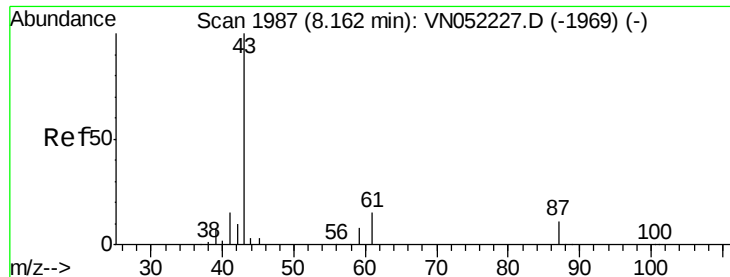
Tgt Ion: 62 Resp: 22864

Ion Ratio Lower Upper

62 100

98 7.0 0.0 16.4





#43

Isopropyl Acetate

Concen: 4.804 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052225.D

Acq: 9 Nov 2018 14:06

Instrument :

MSVOA_N

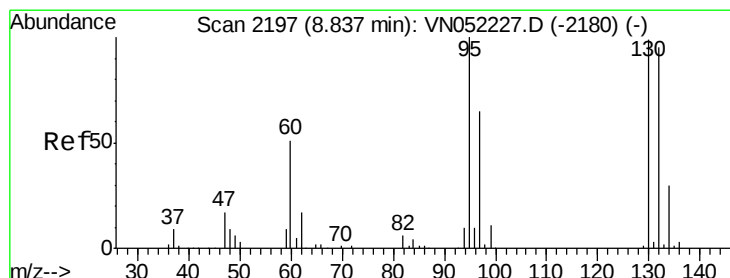
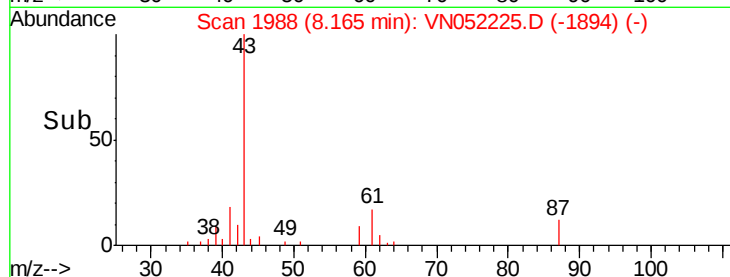
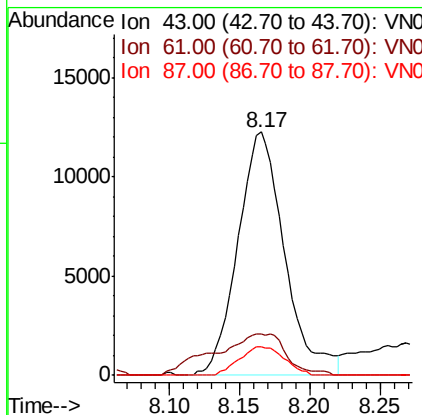
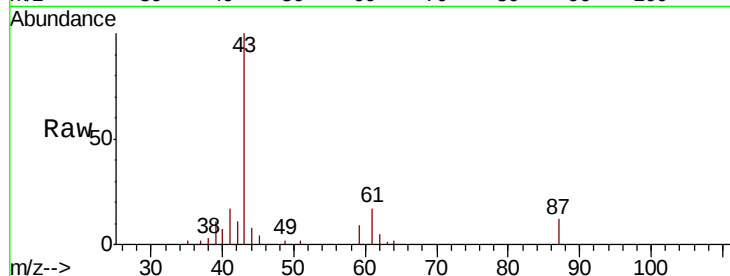
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	28468
Ion	Ratio	Lower	Upper
43	100		
61	26.1	14.2	21.4#
87	11.2	8.4	12.6

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#44

Trichloroethene

Concen: 4.810 ug/l

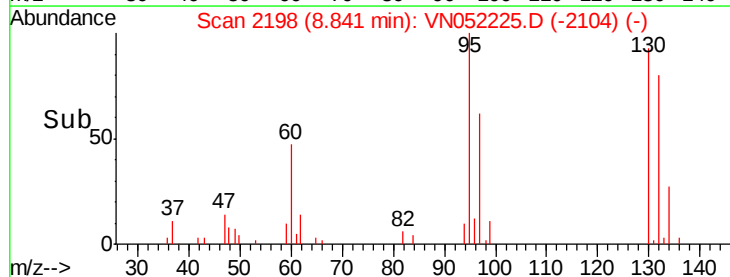
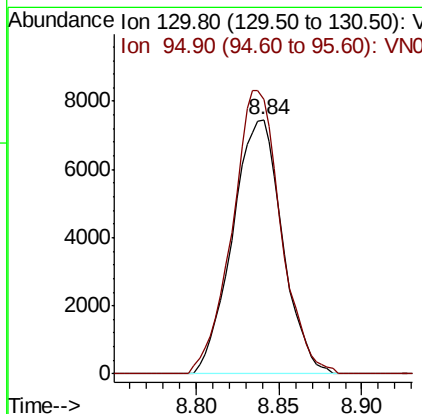
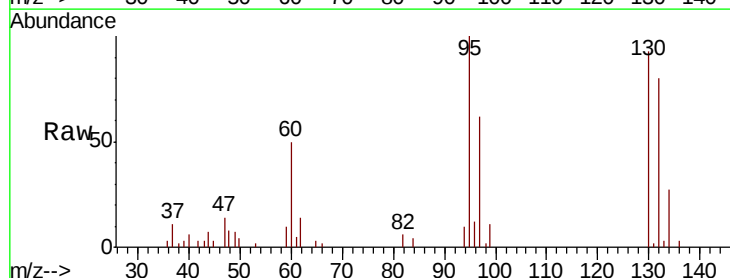
RT: 8.84 min Scan# 2198

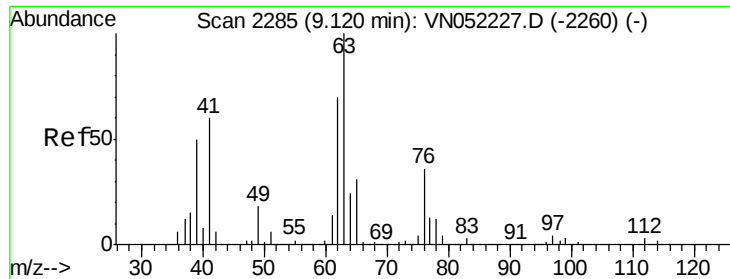
Delta R.T. 0.00 min

Lab File: VN052225.D

Acq: 9 Nov 2018 14:06

Tgt Ion:	130	Resp:	15600
Ion	Ratio	Lower	Upper
130	100		
95	107.9	0.0	201.6





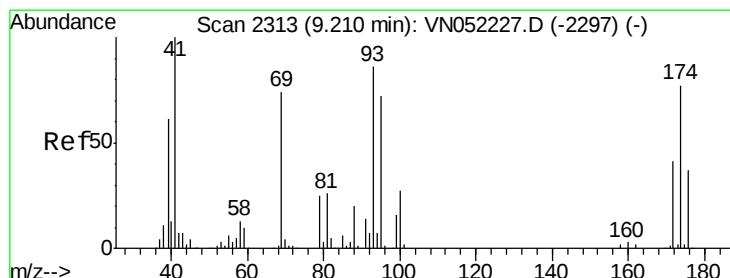
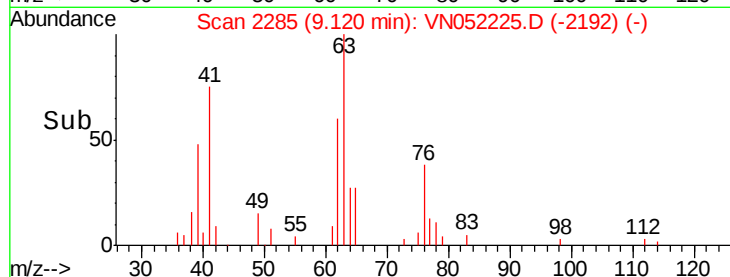
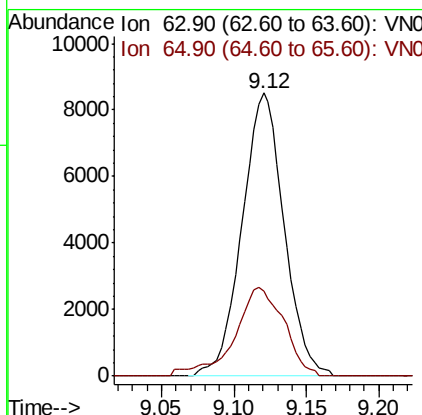
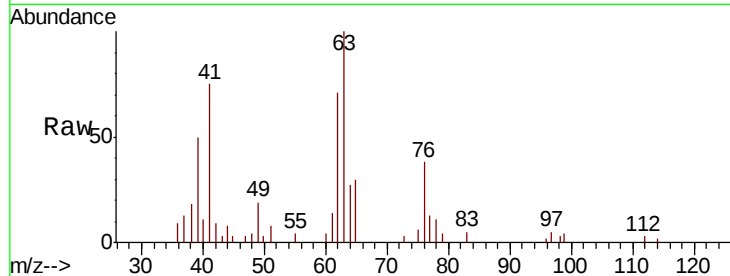
#45
 1,2-Dichloropropane
 Concen: 4.739 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052225.D
 Acq: 9 Nov 2018 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 17135
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.8 37.2

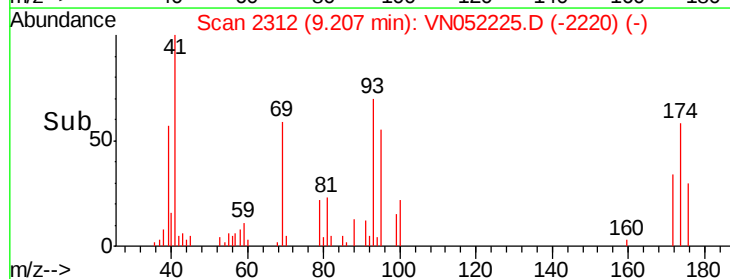
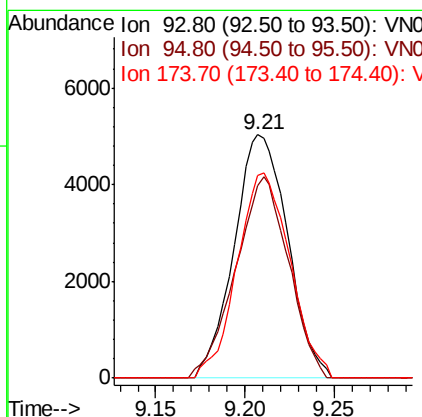
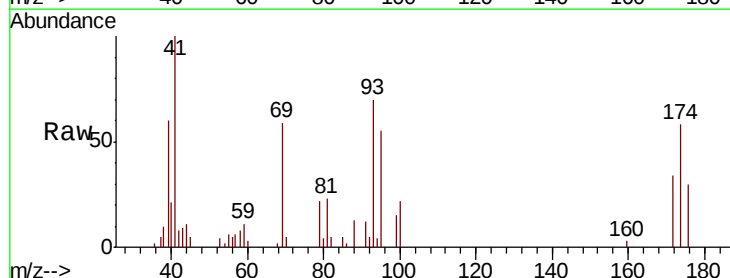
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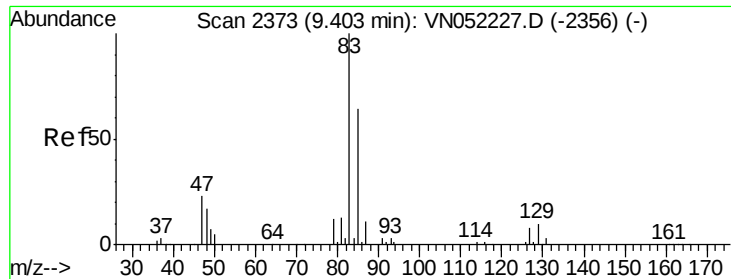
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#46
 Dibromomethane
 Concen: 5.077 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN052225.D
 Acq: 9 Nov 2018 14:06

Tgt Ion: 93 Resp: 10544
 Ion Ratio Lower Upper
 93 100
 95 81.8 67.0 100.4
 174 83.1 72.1 108.1





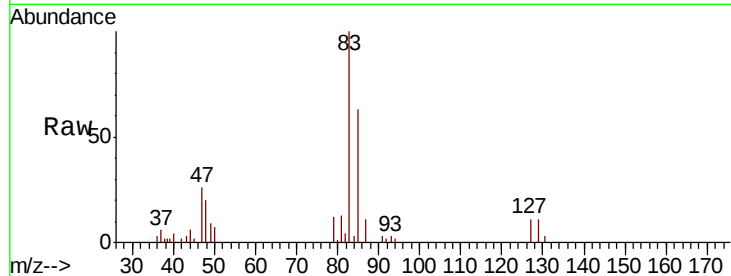
#47
Bromodichloromethane
Concen: 4.620 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052225.D
Acq: 9 Nov 2018 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

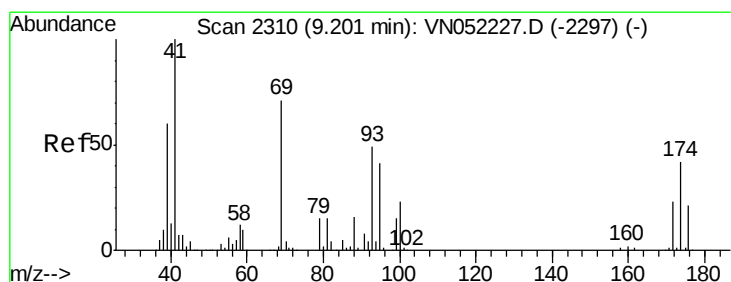
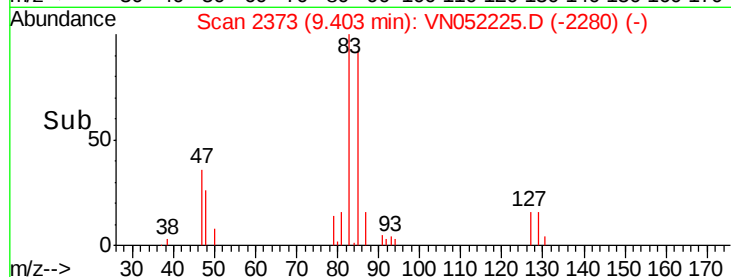
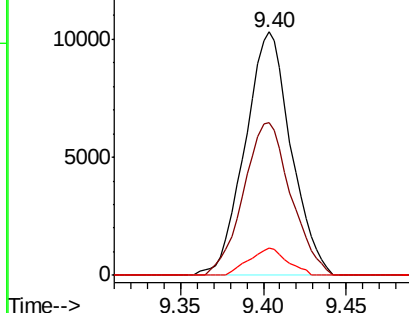
Tot Ion	83	Resp	19878
Ion Ratio	100	Lower	Upper
83	100		
85	62.9	51.2	76.8
127	11.0	6.2	9.4#

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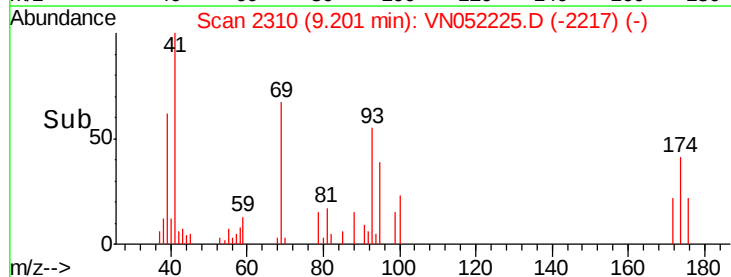
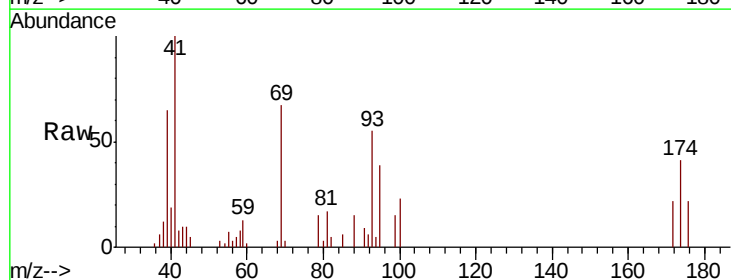
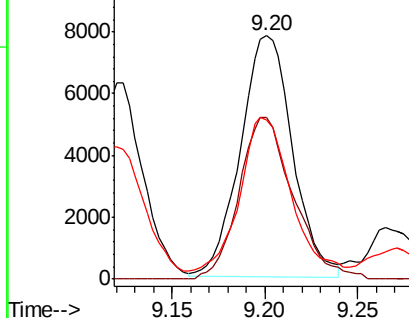
Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

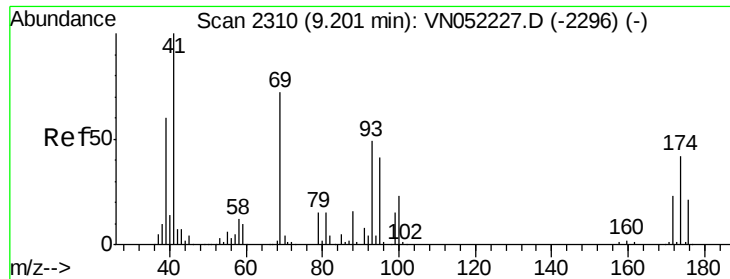


#48
Methyl methacrylate
Concen: 4.902 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052225.D
Acq: 9 Nov 2018 14:06

Tgt Ion	41	Resp	15307
Ion Ratio	100	Lower	Upper
41	100		
69	69.7	58.8	88.2
39	62.7	50.7	76.1

Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





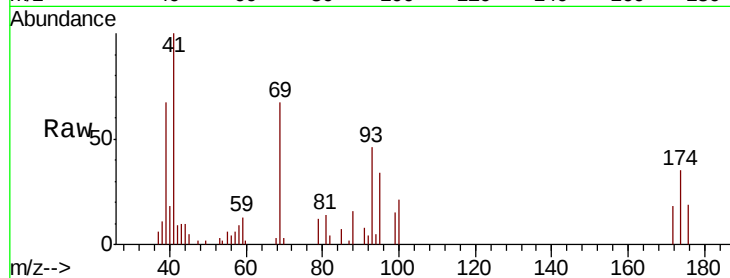
#49
1,4-Dioxane
Concen: 92.228 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052225.D
Acq: 9 Nov 2018 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

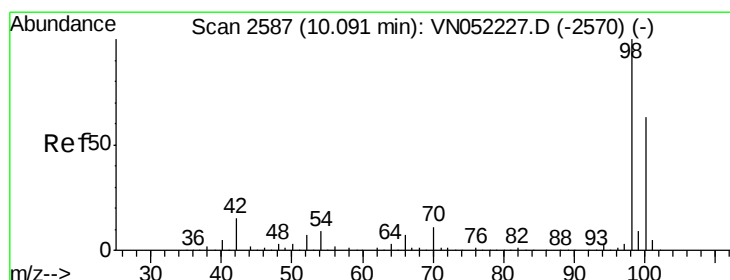
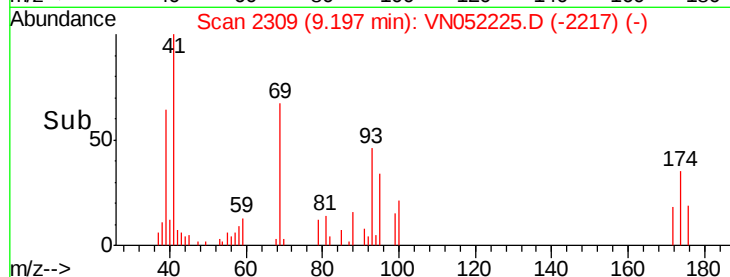
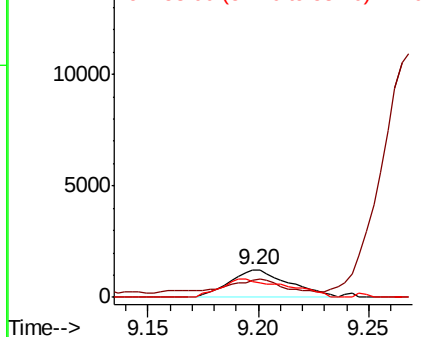
Tot Ion	Ratio	Lower	Upper
88	100		
43	46.5	32.5	48.7
58	74.8	58.2	87.4

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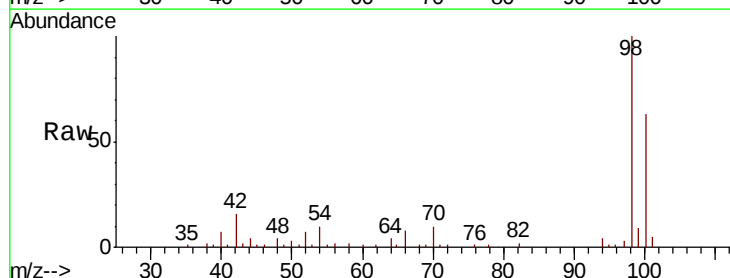


Abundance Ion 88.00 (87.70 to 88.70): VN052227.D (-2296) (-)
Ion 43.00 (42.70 to 43.70): VN052227.D (-2296) (-)
Ion 58.00 (57.70 to 58.70): VN052227.D (-2296) (-)

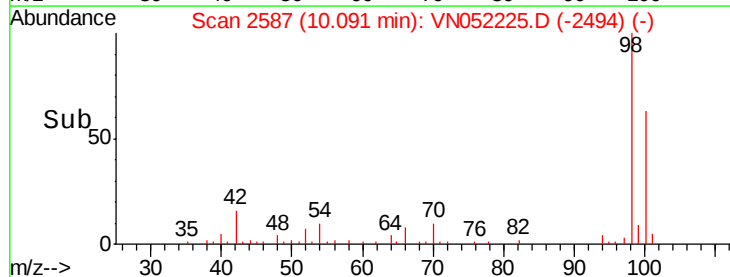
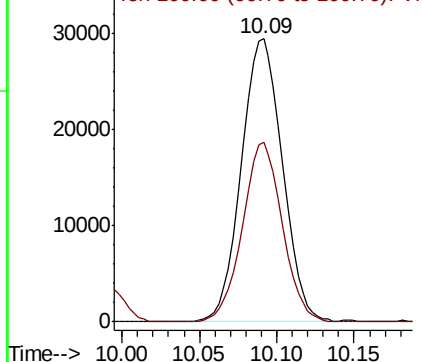


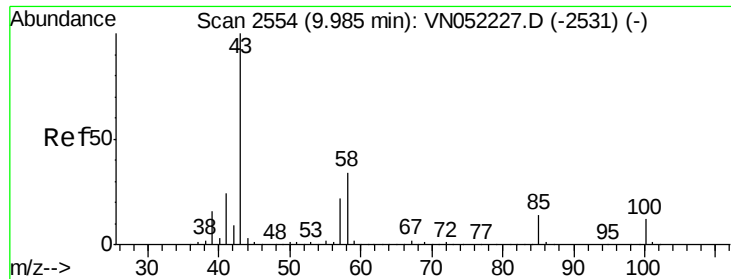
#50
Toluene-d8
Concen: 92.228 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052225.D
Acq: 9 Nov 2018 14:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	61.4	50.2	75.2



Abundance Ion 98.00 (97.70 to 98.70): VN052227.D (-2570) (-)
Ion 100.00 (99.70 to 100.70): VN052227.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 24.131 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052225.D

Acq: 9 Nov 2018 14:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 78974

Ion Ratio Lower Upper

43 100

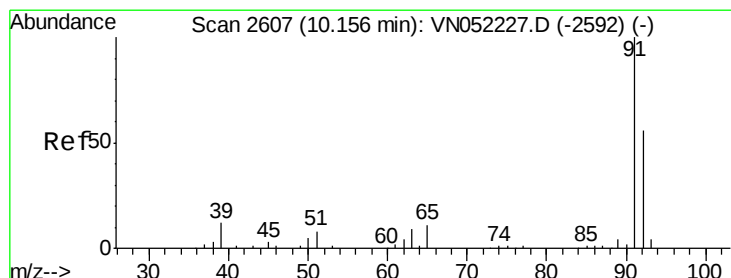
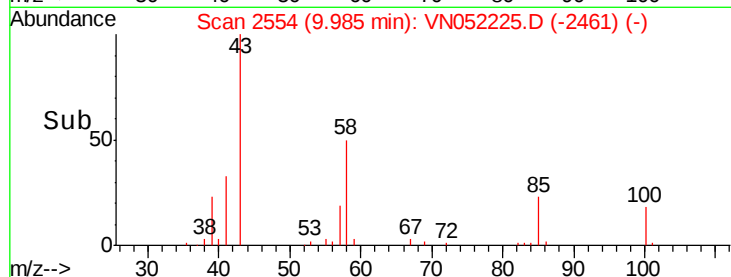
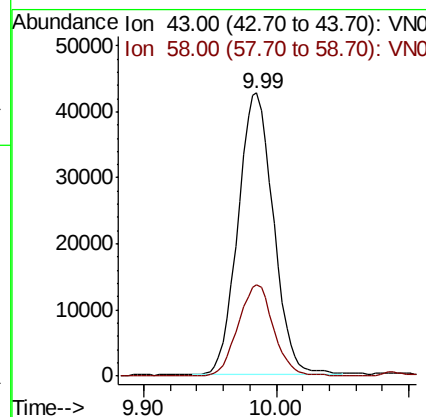
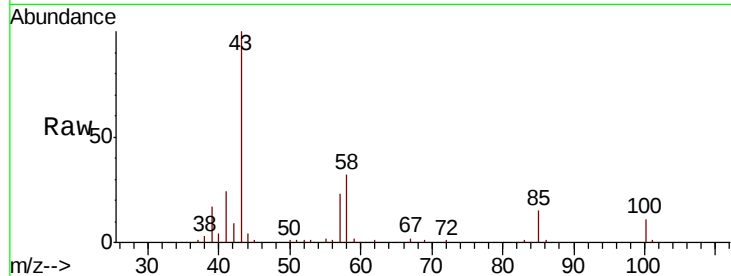
58 32.7 27.4 41.0

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#52

Toluene

Concen: 4.943 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052225.D

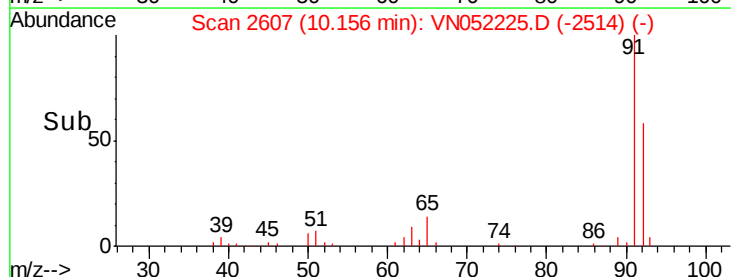
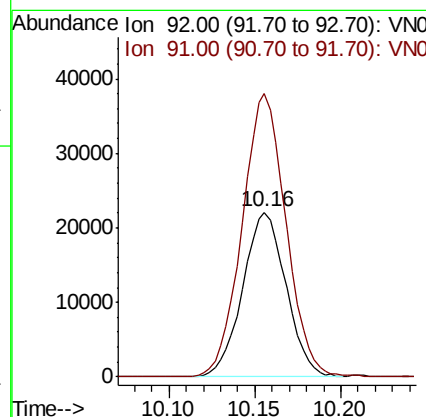
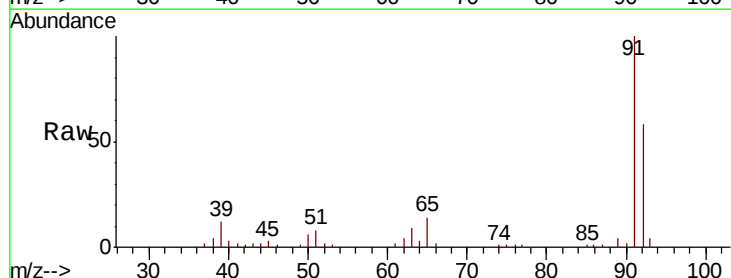
Acq: 9 Nov 2018 14:06

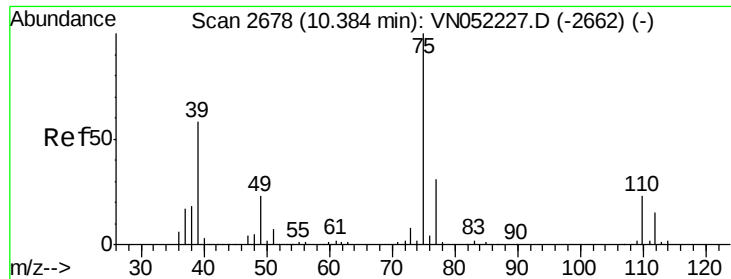
Tgt Ion: 92 Resp: 38588

Ion Ratio Lower Upper

92 100

91 174.0 142.5 213.7





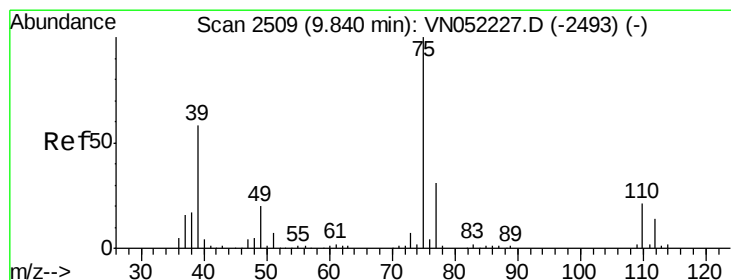
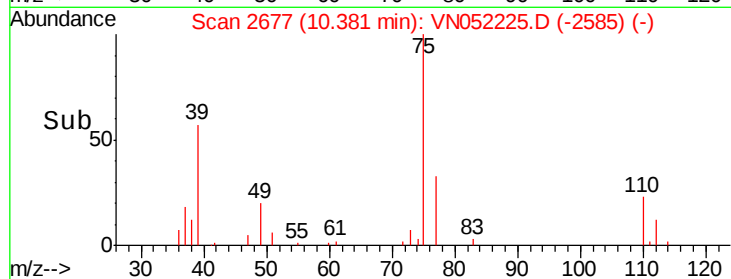
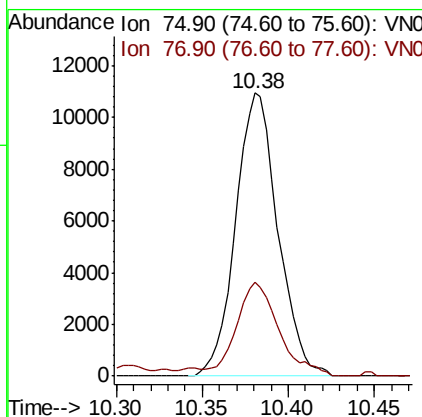
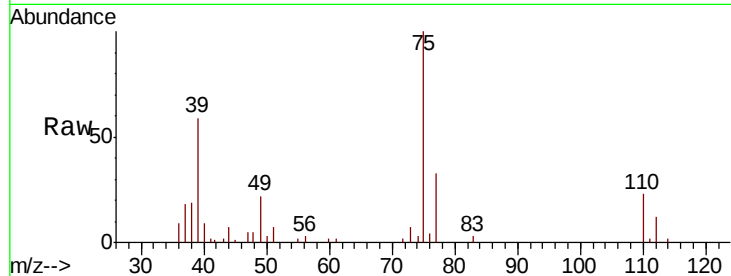
#53
 t-1,3-Dichloropropene
 Concen: 4.411 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. -0.00 min
 Lab File: VN052225.D
 Acq: 9 Nov 2018 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 75 Resp: 18728
 Ion Ratio Lower Upper
 75 100
 77 33.2 24.6 36.8

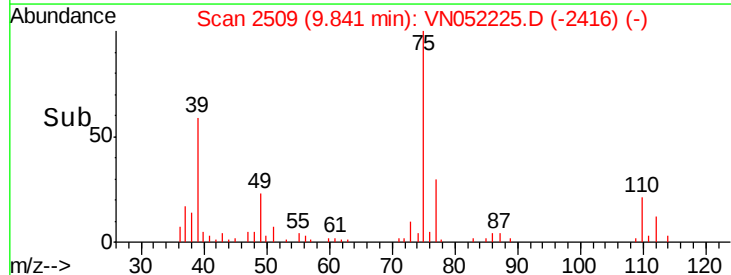
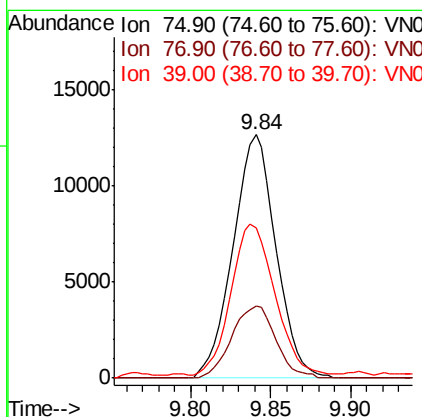
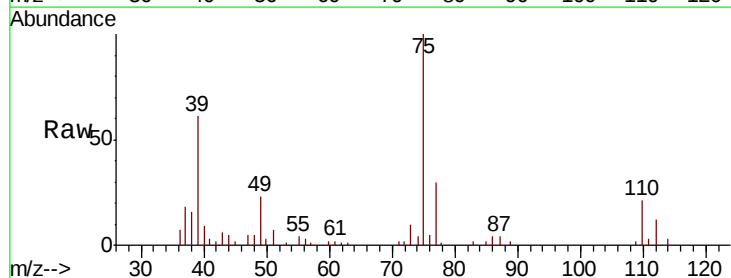
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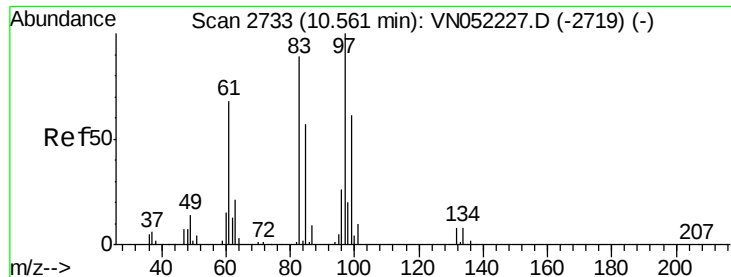
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#54
 cis-1,3-Dichloropropene
 Concen: 4.627 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN052225.D
 Acq: 9 Nov 2018 14:06

Tgt Ion: 75 Resp: 23195
 Ion Ratio Lower Upper
 75 100
 77 29.5 25.2 37.8
 39 60.0 46.6 70.0





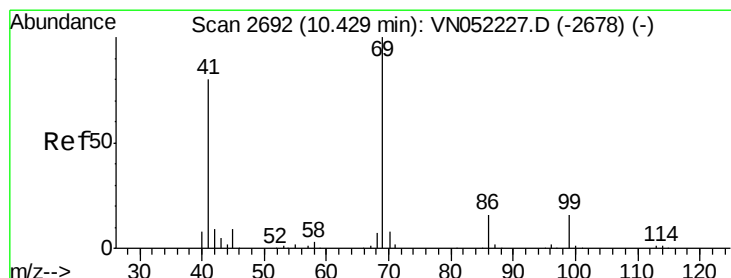
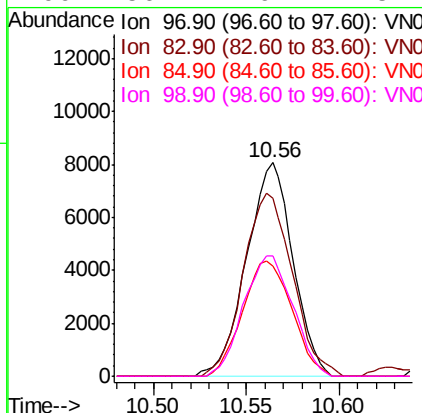
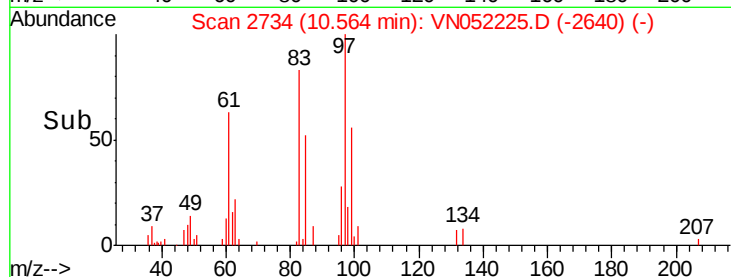
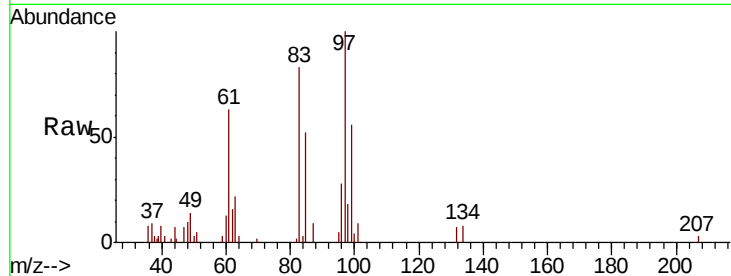
#55
 1,1,2-Trichloroethane
 Concen: 4.989 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052225.D
 Acq: 9 Nov 2018 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	14077
Ion	Ratio	Lower	Upper
97	100		
83	83.1	71.2	106.8
85	51.7	45.6	68.4
99	56.2	49.1	73.7

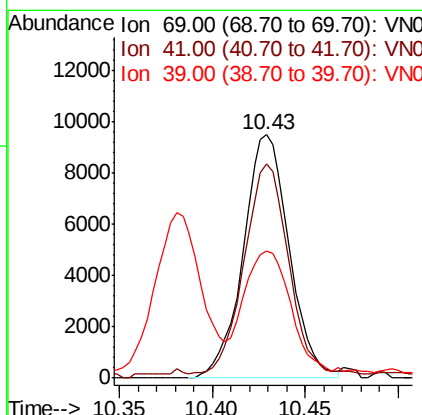
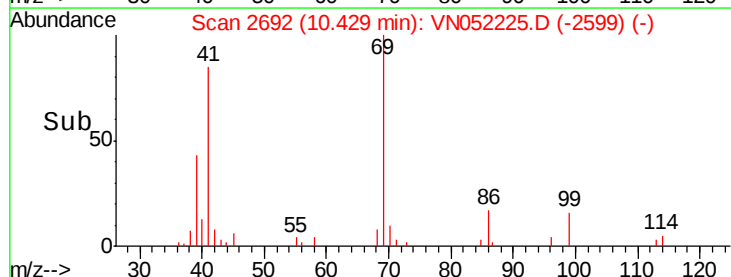
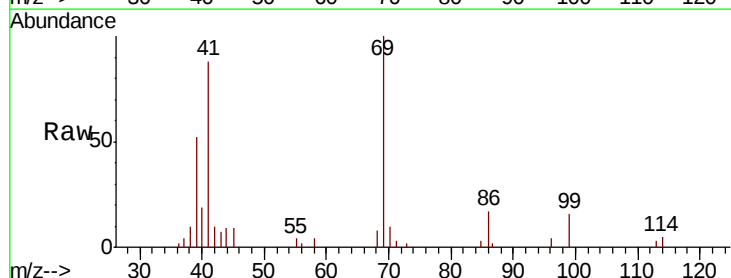
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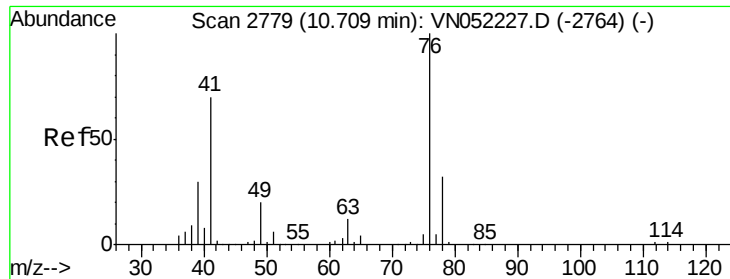
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#56
 Ethyl methacrylate
 Concen: 4.285 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052225.D
 Acq: 9 Nov 2018 14:06

Tgt Ion:	69	Resp:	16341
Ion	Ratio	Lower	Upper
69	100		
41	82.2	64.0	96.0
39	50.8	37.8	56.8





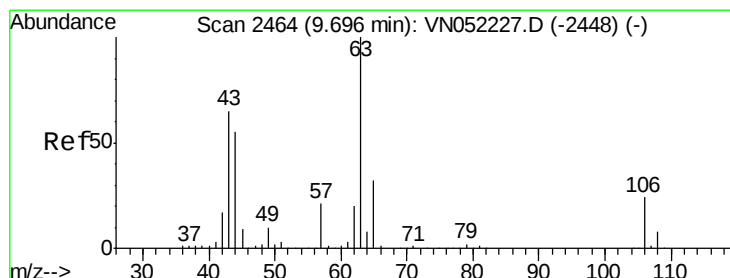
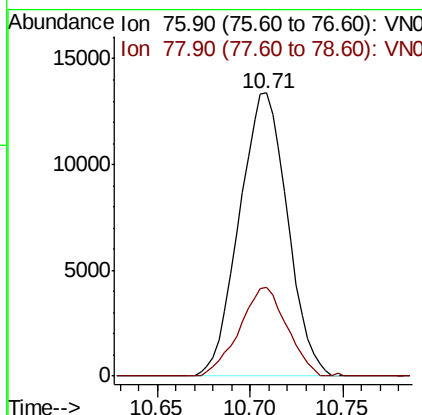
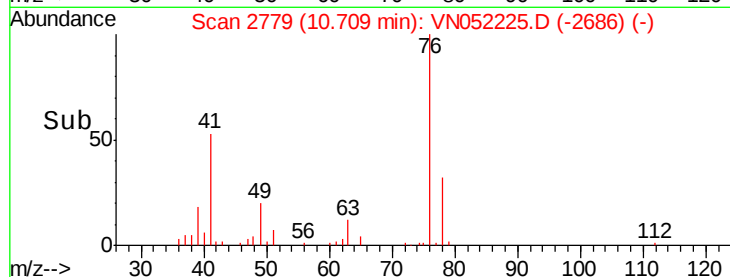
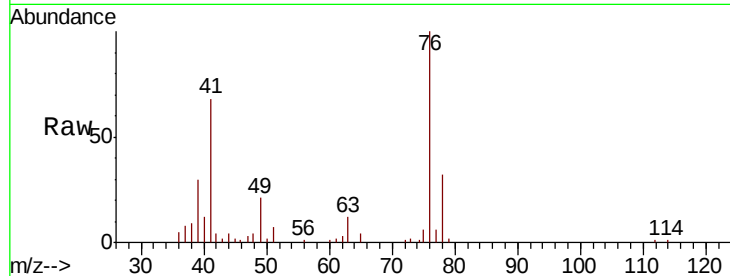
#57
 1,3-Dichloropropane
 Concen: 4.773 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052225.D
 Acq: 9 Nov 2018 14:06

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion: 76 Resp: 24112
 Ion Ratio Lower Upper
 76 100
 78 30.9 25.7 38.5

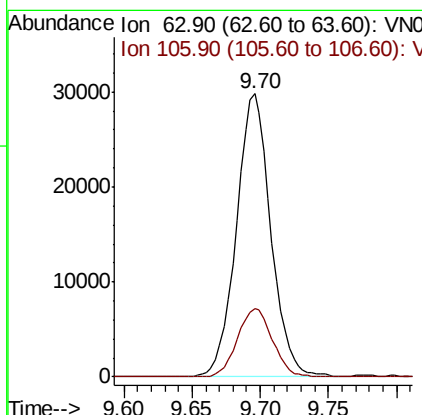
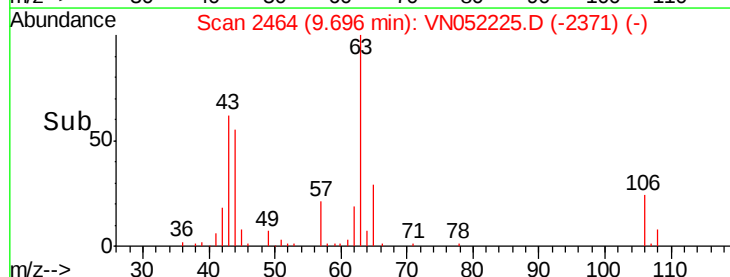
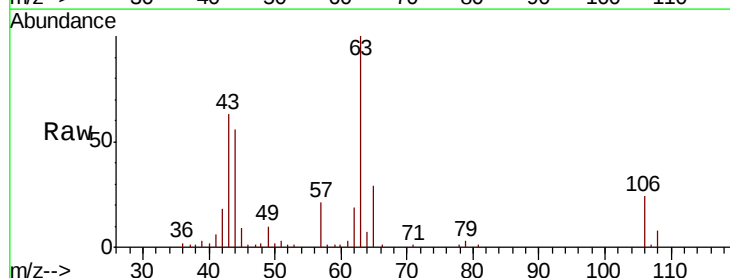
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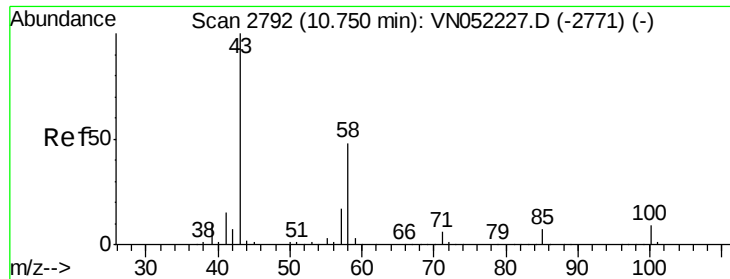
MMDadoda
 11/12/2018 9:18:33 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 24.677 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052225.D
 Acq: 9 Nov 2018 14:06

Tgt Ion: 63 Resp: 52111
 Ion Ratio Lower Upper
 63 100
 106 24.4 19.5 29.3





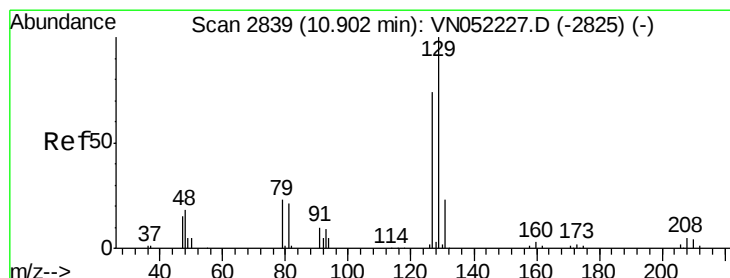
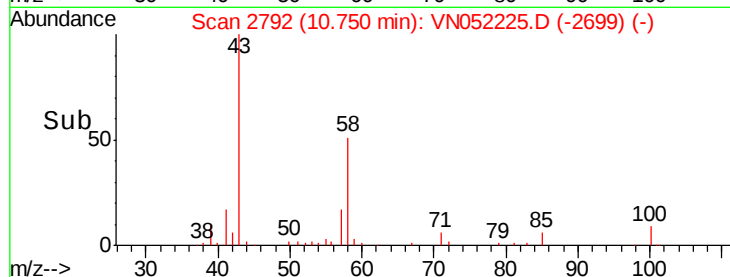
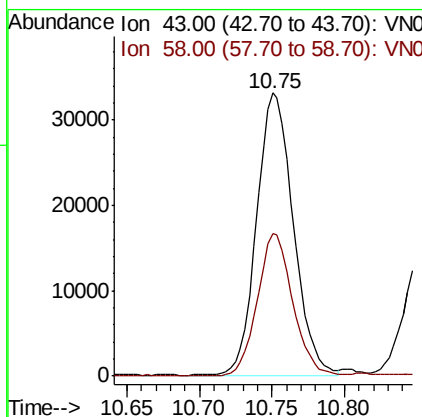
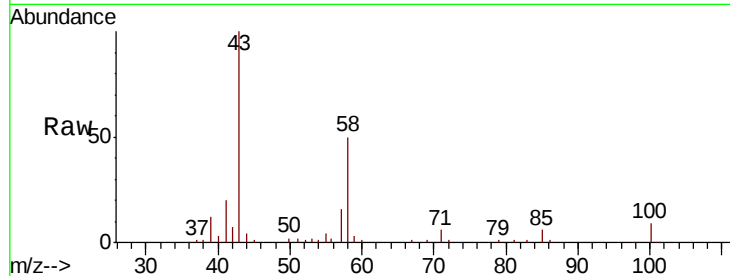
#59
2-Hexanone
Concen: 25.647 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052225.D
Acq: 9 Nov 2018 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 58922
Ion Ratio Lower Upper
43 100
58 48.4 24.1 72.3

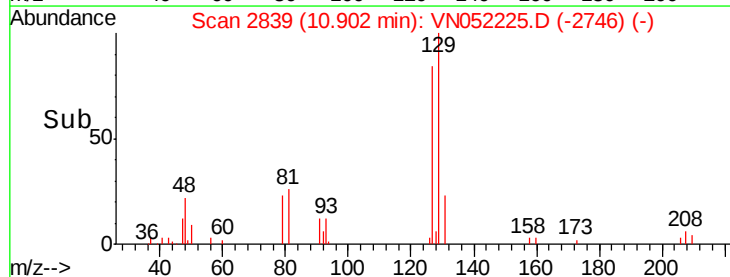
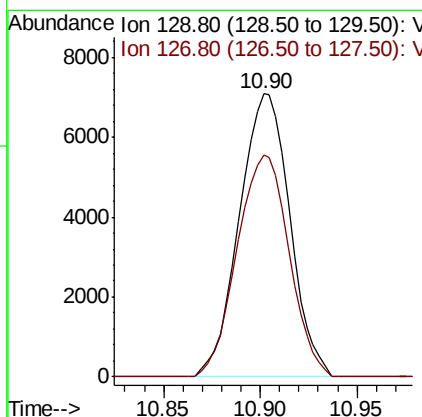
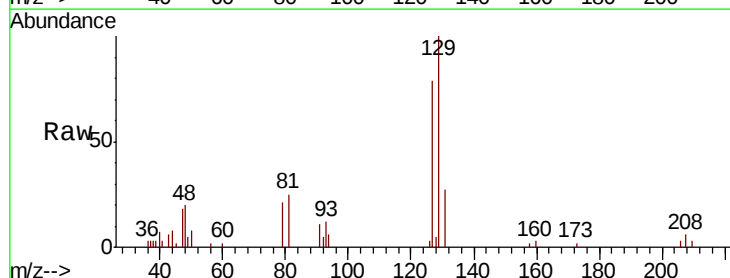
Manual Integrations
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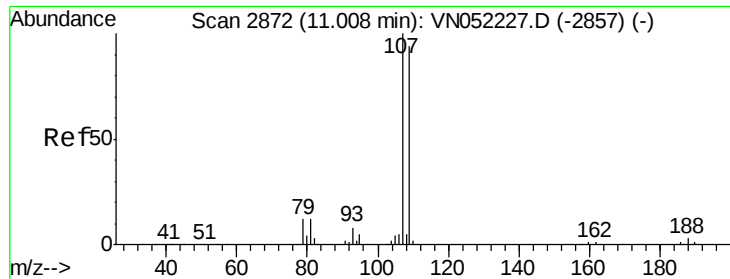
MMDadoda
11/12/2018 9:18:33 AM



#60
Dibromochloromethane
Concen: 4.494 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052225.D
Acq: 9 Nov 2018 14:06

Tgt Ion: 129 Resp: 12862
Ion Ratio Lower Upper
129 100
127 80.7 38.0 114.1





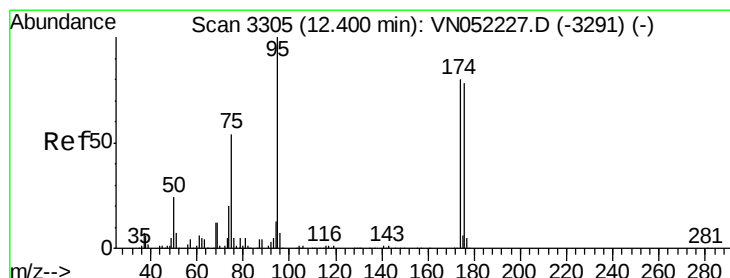
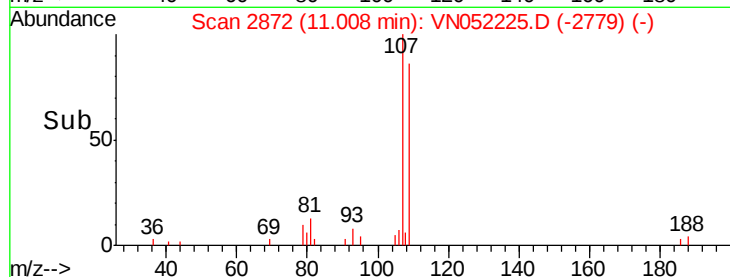
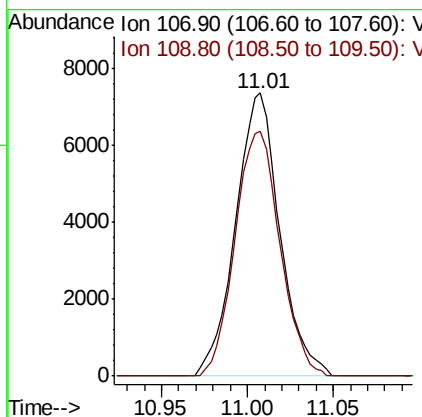
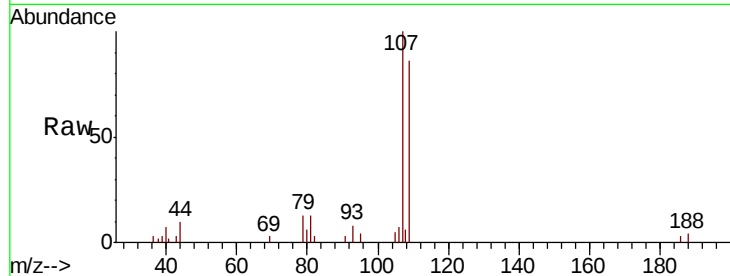
#61
 1,2-Dibromoethane
 Concen: 4.764 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052225.D
 Acq: 9 Nov 2018 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	87.7	75.8	113.6

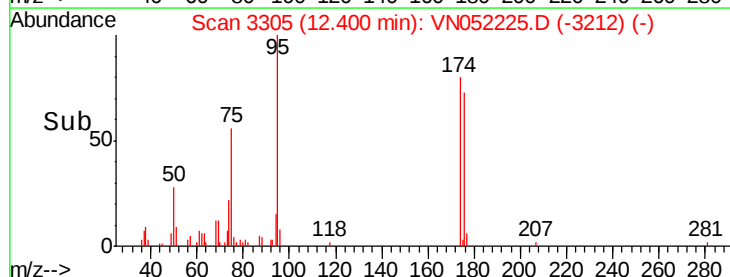
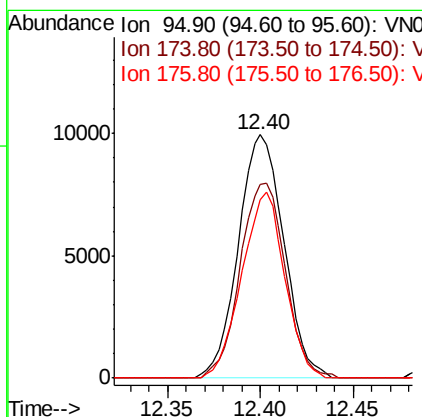
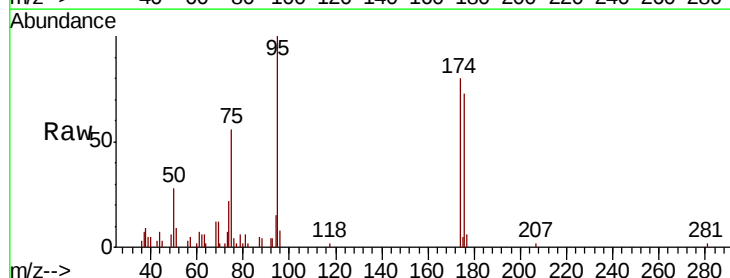
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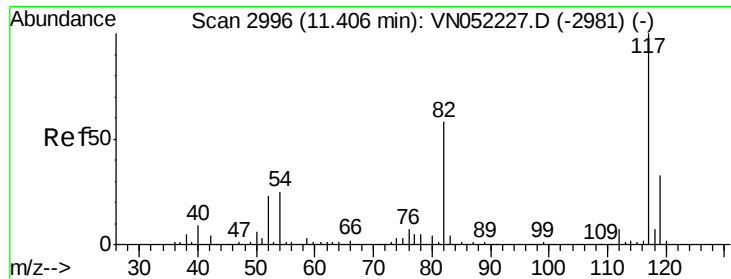
MMDadoda
 11/12/2018 9:18:33 AM



#62
 4-Bromofluorobenzene
 Concen: 4.764 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052225.D
 Acq: 9 Nov 2018 14:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.9	0.0	159.4
176	72.4	0.0	157.8





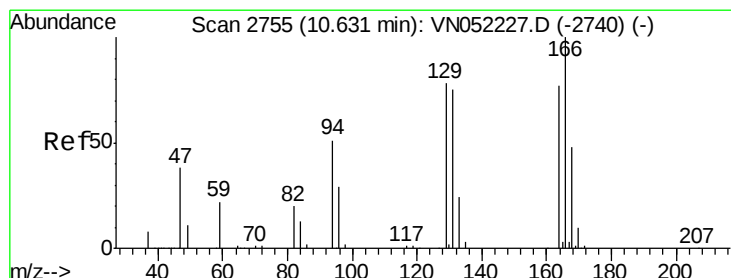
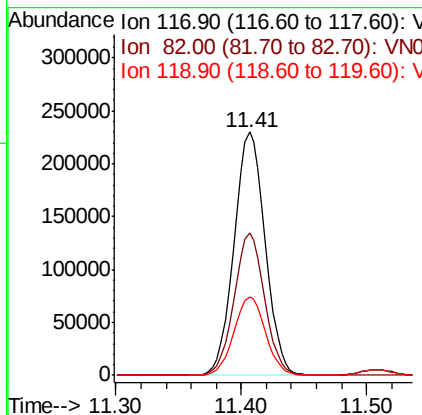
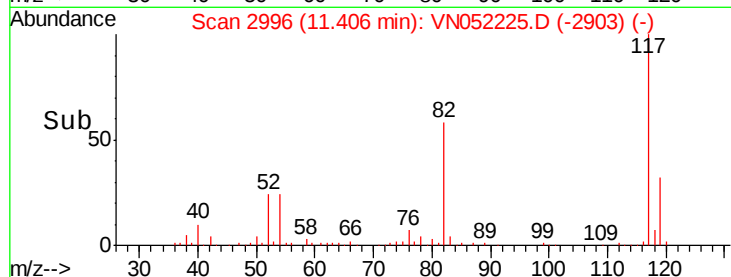
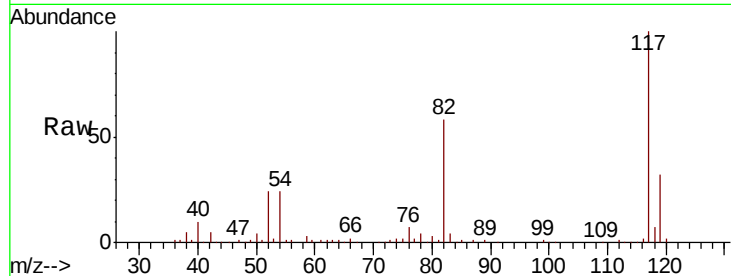
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052225.D
Acq: 9 Nov 2018 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.5	46.2	69.2
119	32.1	26.2	39.4

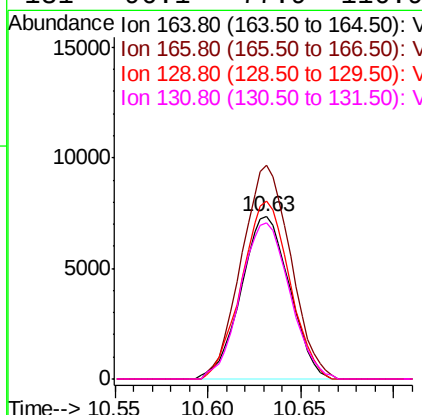
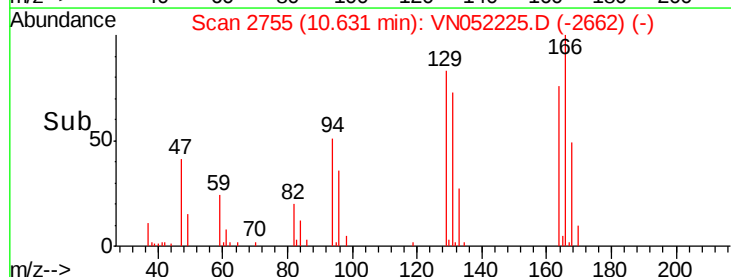
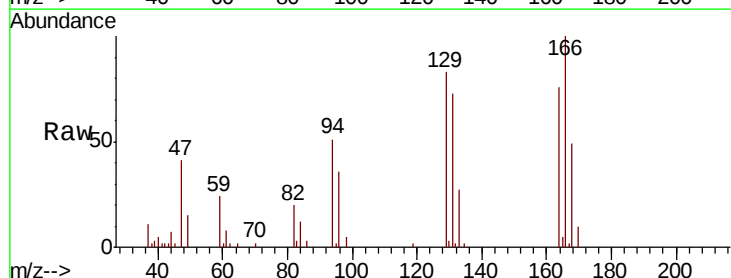
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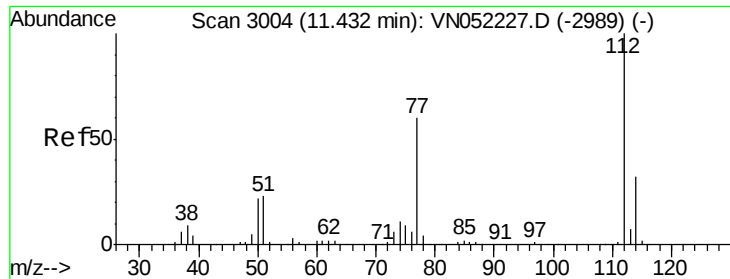
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#64
Tetrachloroethene
Concen: 4.829 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052225.D
Acq: 9 Nov 2018 14:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.6	103.6	155.4
129	109.3	81.0	121.6
131	96.1	77.9	116.9





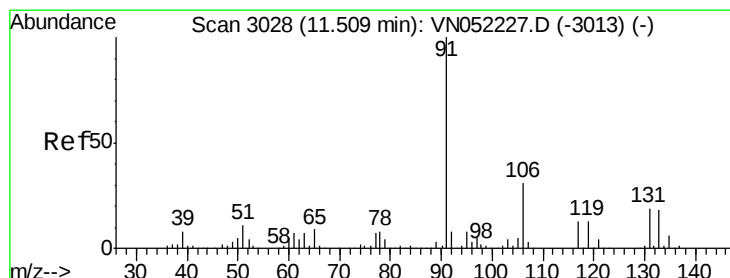
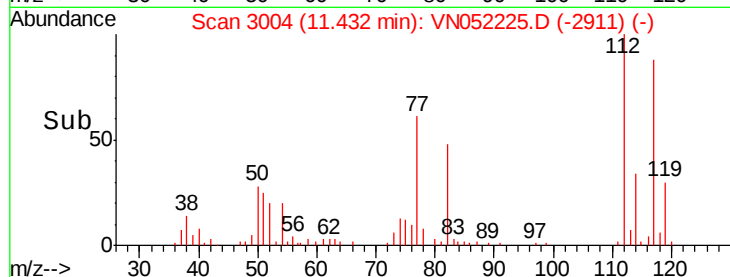
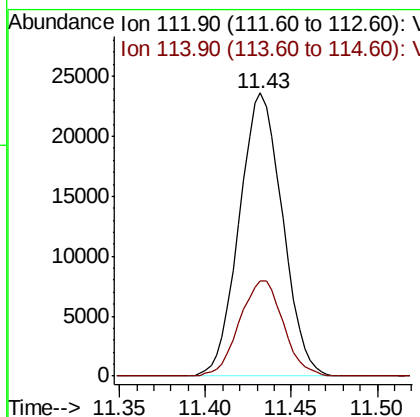
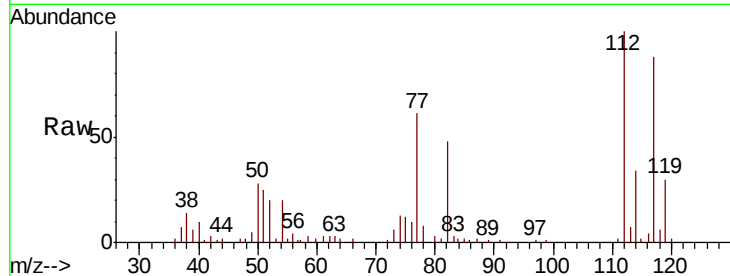
#65
Chlorobenzene
Concen: 4.915 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052225.D
Acq: 9 Nov 2018 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 41168
Ion Ratio Lower Upper
112 100
114 33.6 25.7 38.5

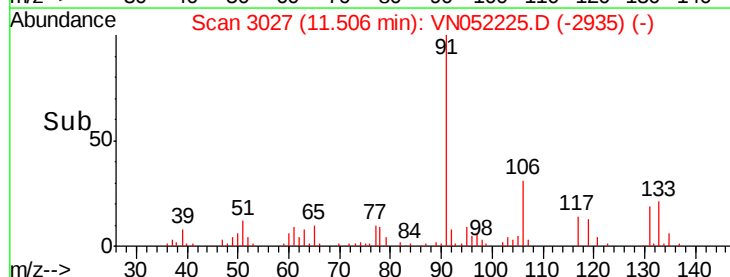
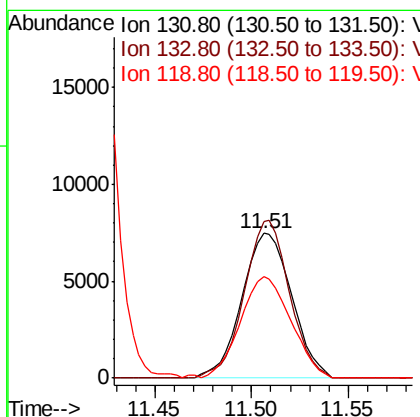
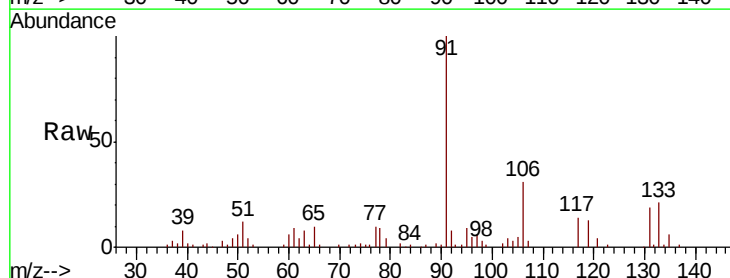
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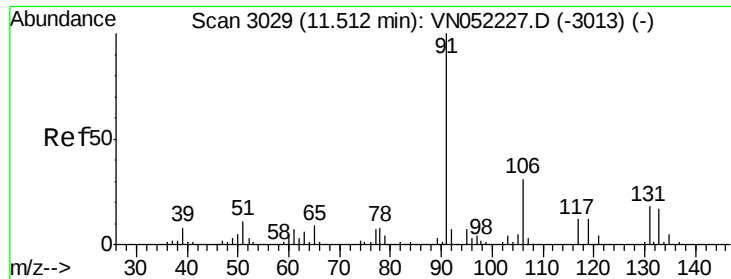
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.734 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN052225.D
Acq: 9 Nov 2018 14:06

Tgt Ion:131 Resp: 13433
Ion Ratio Lower Upper
131 100
133 98.7 48.3 144.9
119 71.1 34.6 103.9





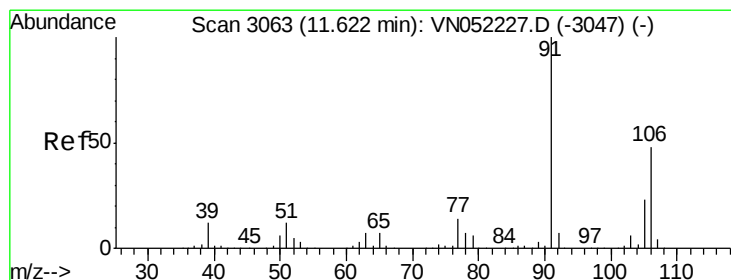
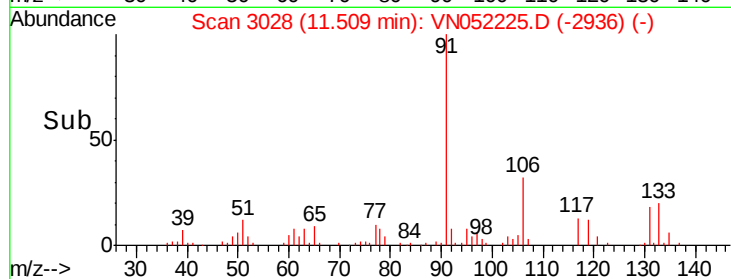
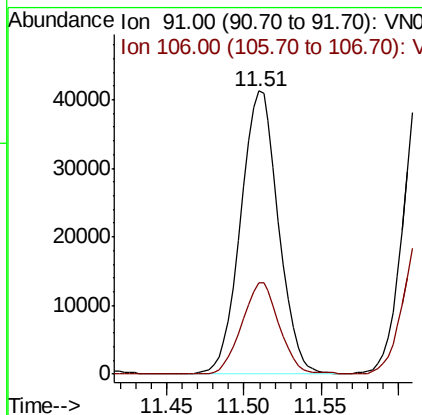
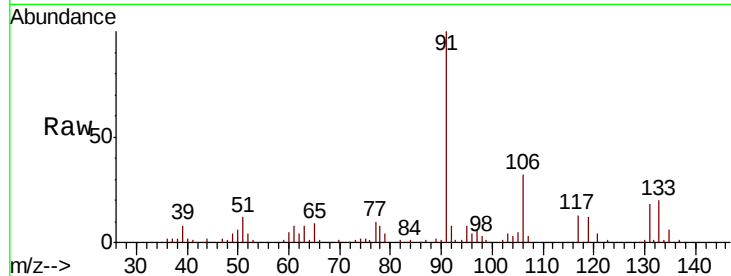
#67
Ethyl Benzene
Concen: 4.759 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052225.D
Acq: 9 Nov 2018 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 70119
Ion Ratio Lower Upper
91 100
106 32.2 24.7 37.1

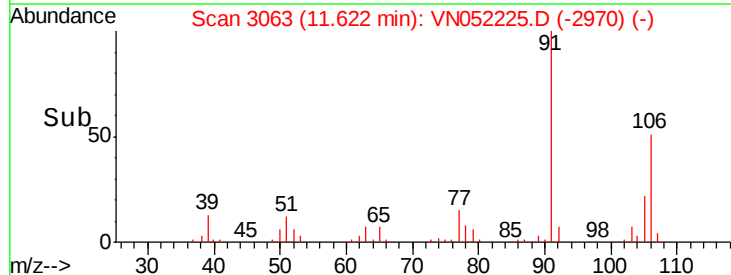
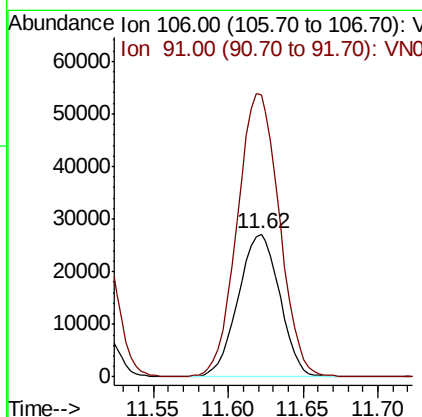
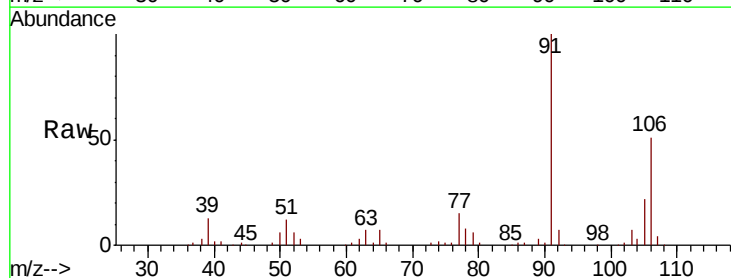
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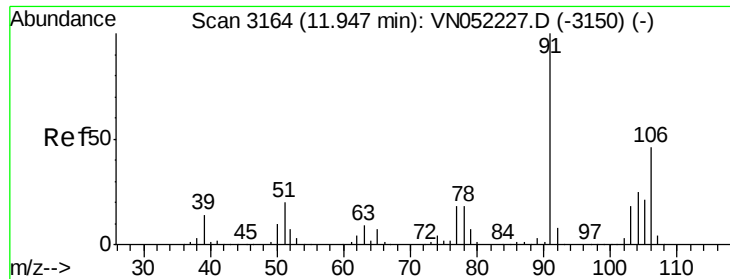
MMDadoda
11/12/2018 9:18:33 AM



#68
m/p-Xylenes
Concen: 9.560 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052225.D
Acq: 9 Nov 2018 14:06

Tgt Ion: 106 Resp: 52452
Ion Ratio Lower Upper
106 100
91 201.3 165.7 248.5





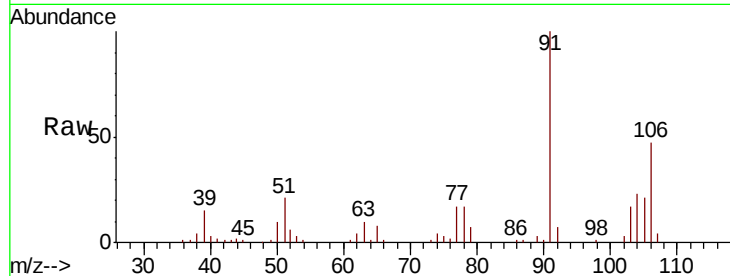
#69
o-Xylene
Concen: 5.017 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052225.D
Acq: 9 Nov 2018 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

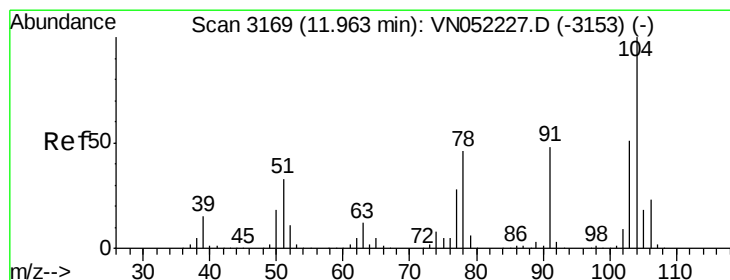
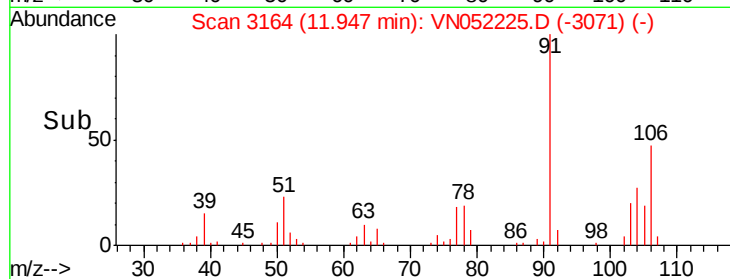
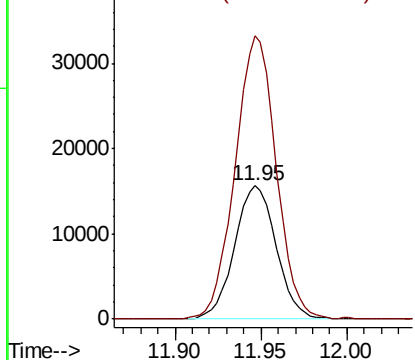
Tot Ion:106 Resp: 26300
Ion Ratio Lower Upper
106 100
91 209.6 108.5 325.5

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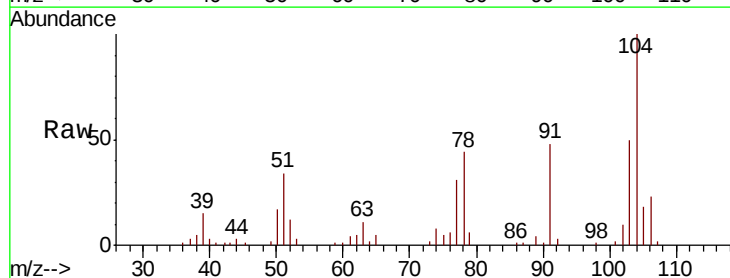


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

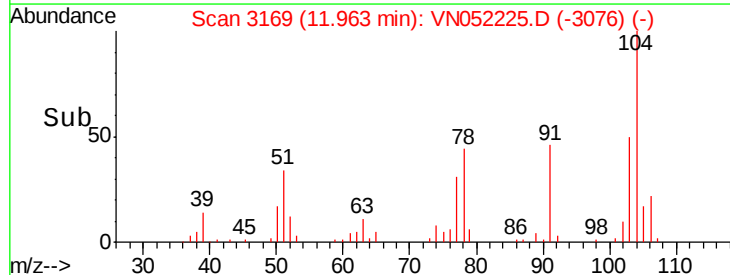
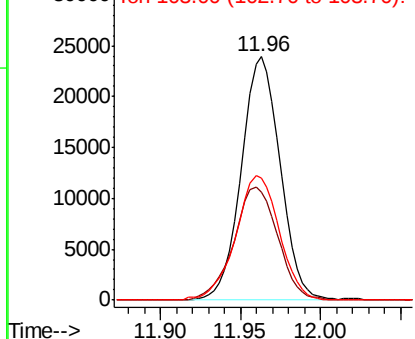


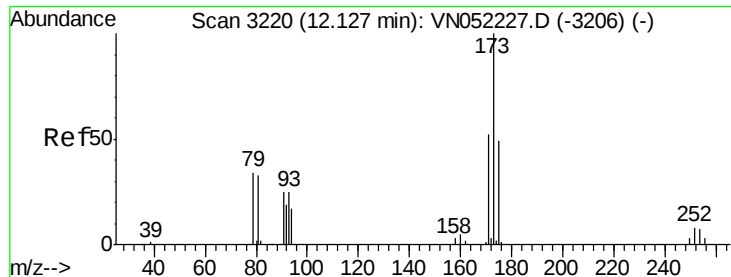
#70
Styrene
Concen: 4.680 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052225.D
Acq: 9 Nov 2018 14:06

Tgt Ion:104 Resp: 39634
Ion Ratio Lower Upper
104 100
78 52.4 41.8 62.6
103 57.3 44.9 67.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 4.180 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN052225.D

Acq: 9 Nov 2018 14:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 7076

Ion Ratio Lower Upper

173 100

175 52.3 24.5 73.5

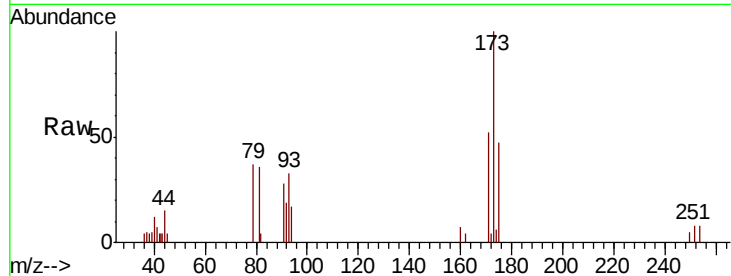
254 0.0 0.0 0.0

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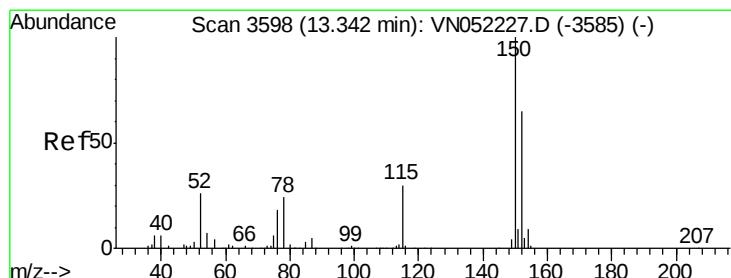
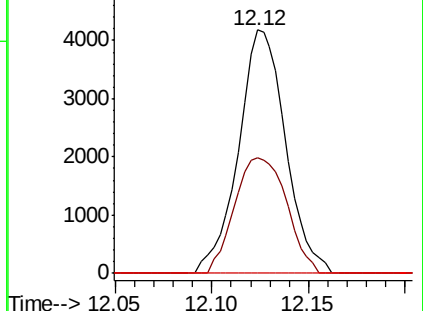
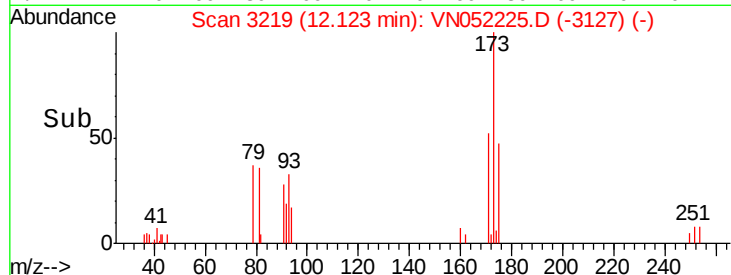
11/12/2018 9:18:33 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052225.D

Acq: 9 Nov 2018 14:06

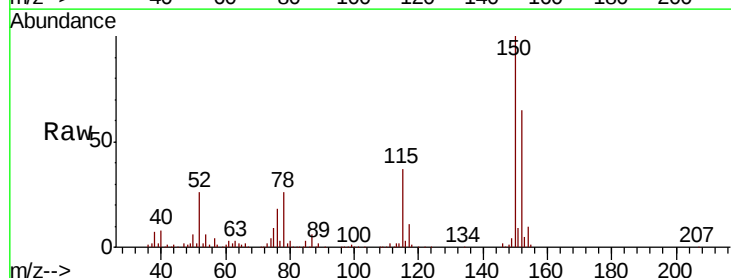
Tgt Ion:152 Resp: 159044

Ion Ratio Lower Upper

152 100

115 60.1 29.8 89.5

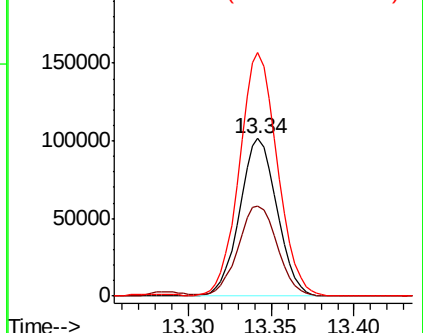
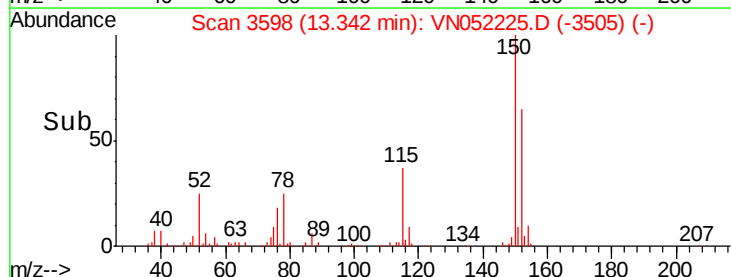
150 156.9 0.0 350.2

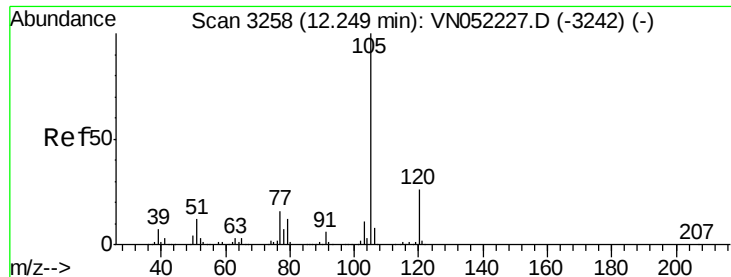


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.148 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052225.D

Acq: 9 Nov 2018 14:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 66936

Ion Ratio Lower Upper

105 100

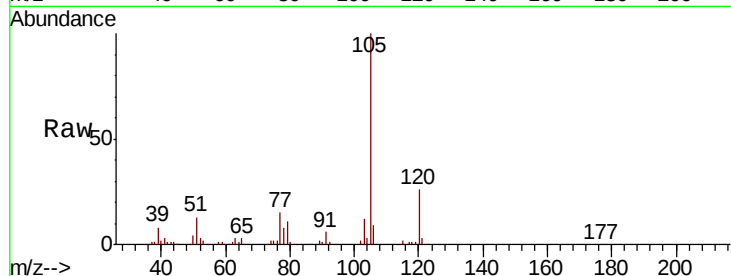
120 26.7 13.1 39.1

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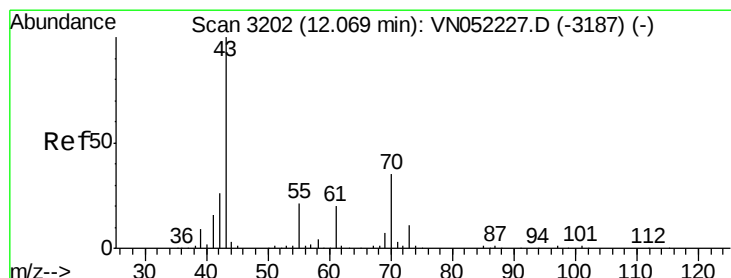
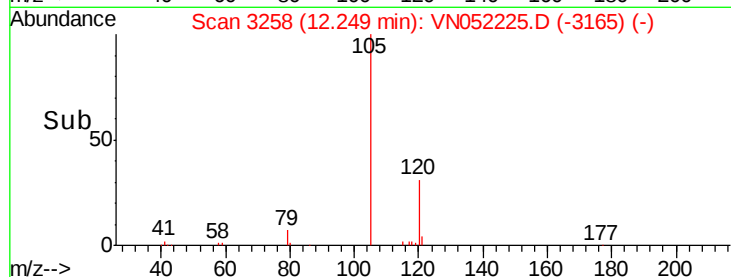
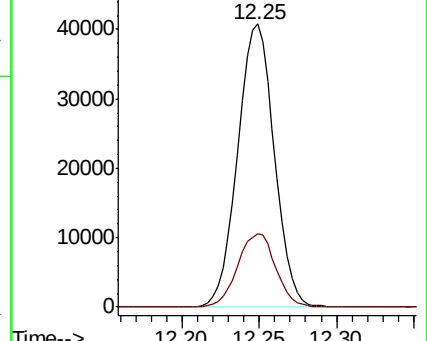
MMDadoda

11/12/2018 9:18:33 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.679 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052225.D

Acq: 9 Nov 2018 14:06

Tgt Ion: 43 Resp: 22083

Ion Ratio Lower Upper

43 100

70 37.7 28.2 42.2

55 23.9 17.4 26.2

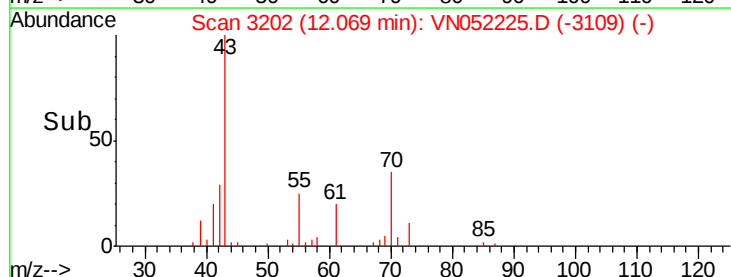
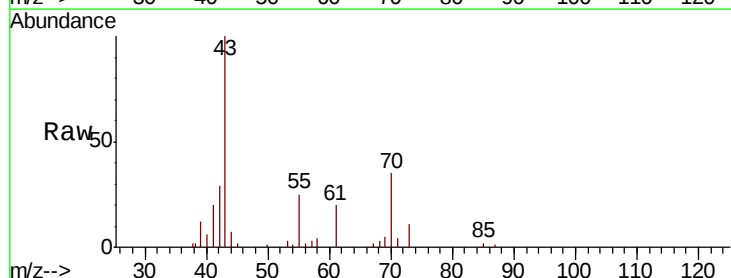
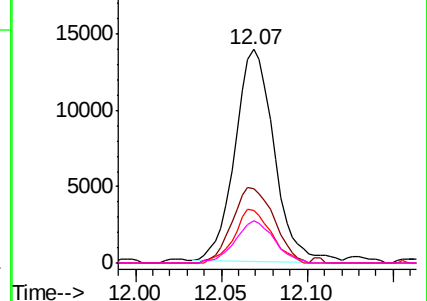
61 20.0 16.3 24.5

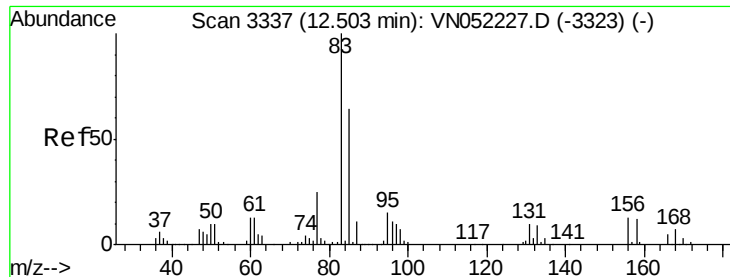
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 5.293 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052225.D

Acq: 9 Nov 2018 14:06

Instrument :

MSVOA_N

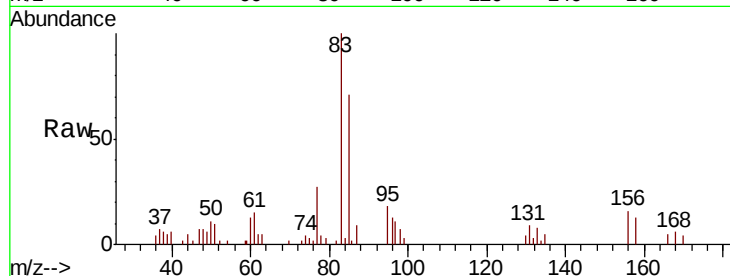
ClientSampleId :

VSTDIC005

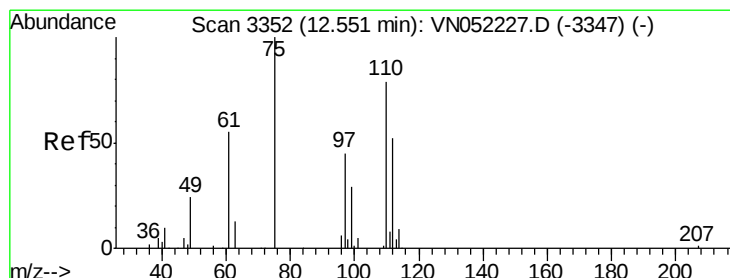
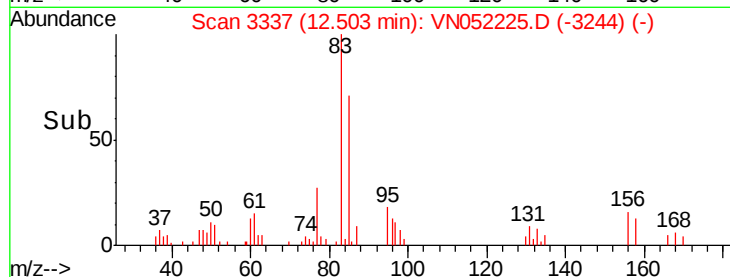
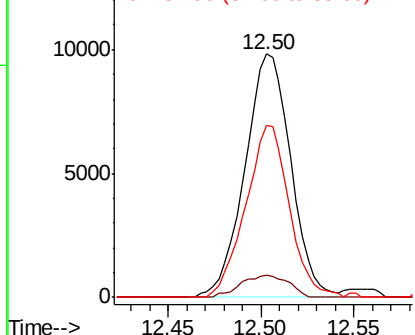
Tot Ion:	83	Resp:	16871
Ion Ratio	Lower	Upper	
83	100		
131	9.4	5.1	15.2
85	66.9	32.4	97.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 5.619 ug/l m

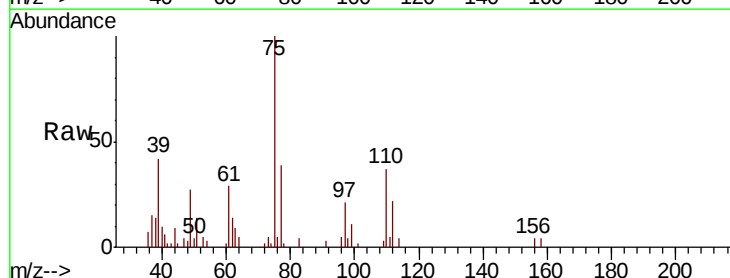
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

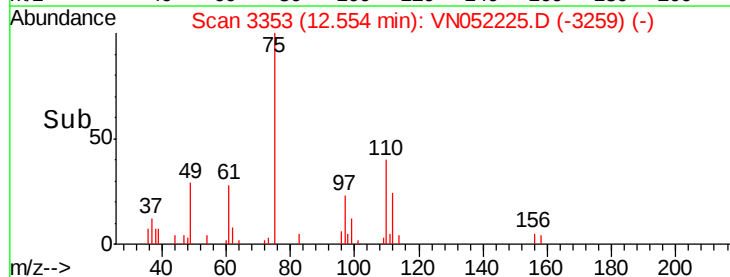
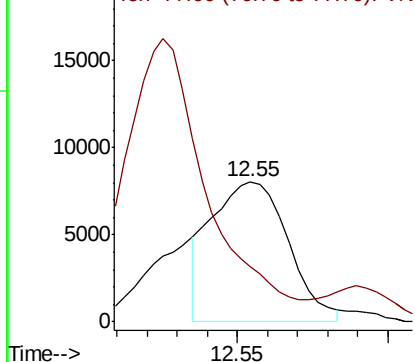
Lab File: VN052225.D

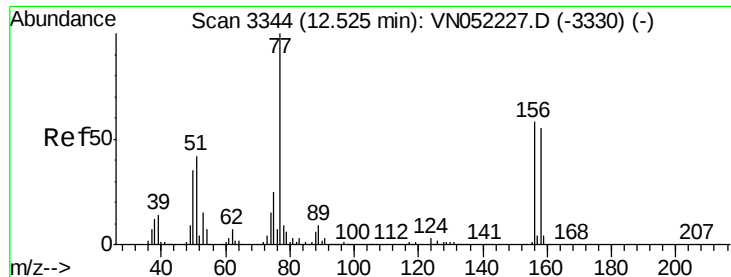
Acq: 9 Nov 2018 14:06

Tgt Ion:	75	Resp:	14338
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 5.081 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052225.D

Acq: 9 Nov 2018 14:06

Instrument :

MSVOA_N

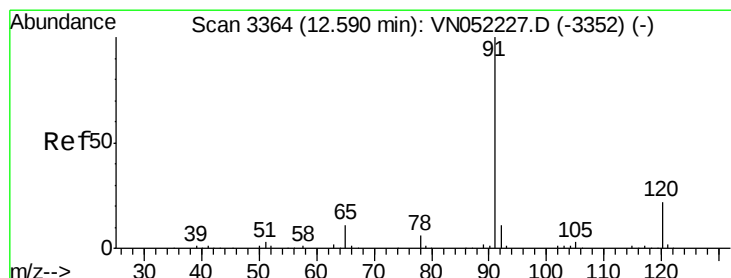
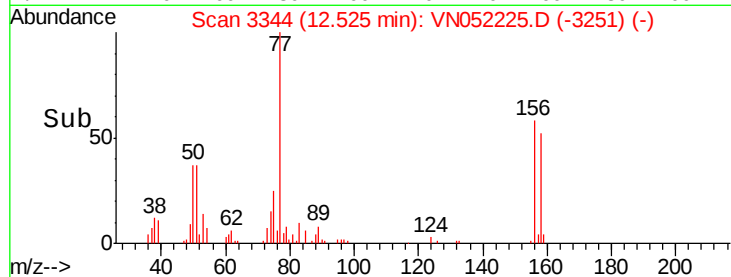
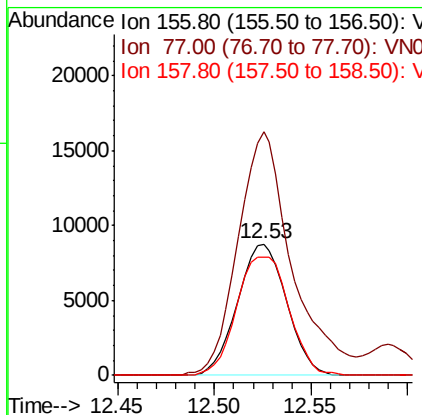
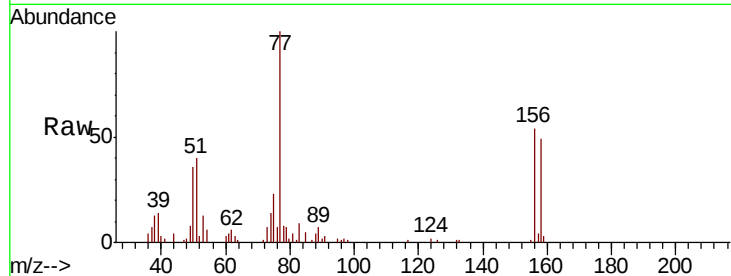
ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 15463
 Ion Ratio Lower Upper
 156 100
 77 204.9 101.1 303.3
 158 96.1 47.8 143.3

Manual Integrations
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#78

n-propylbenzene

Concen: 4.873 ug/l

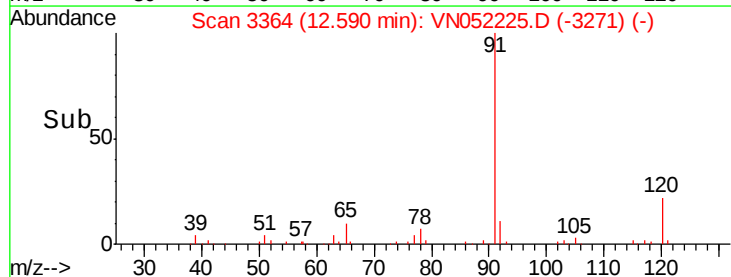
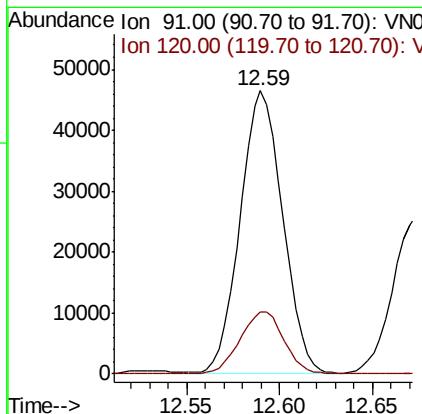
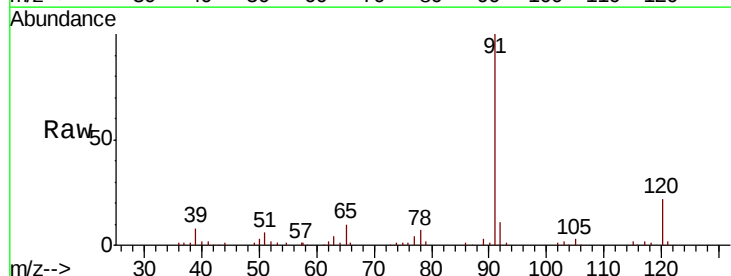
RT: 12.59 min Scan# 3364

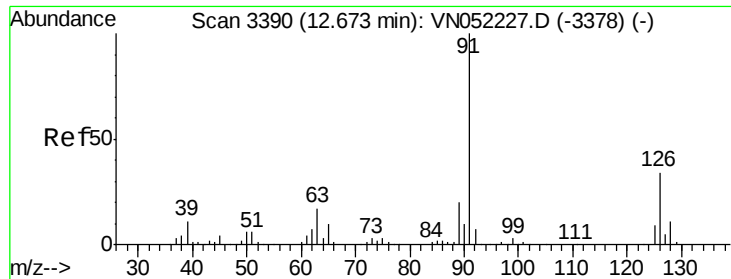
Delta R.T. 0.00 min

Lab File: VN052225.D

Acq: 9 Nov 2018 14:06

Tgt Ion: 91 Resp: 74195
 Ion Ratio Lower Upper
 91 100
 120 22.5 11.3 33.8





#79

2-Chlorotoluene

Concen: 5.047 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052225.D

Acq: 9 Nov 2018 14:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 44521

Ion Ratio Lower Upper

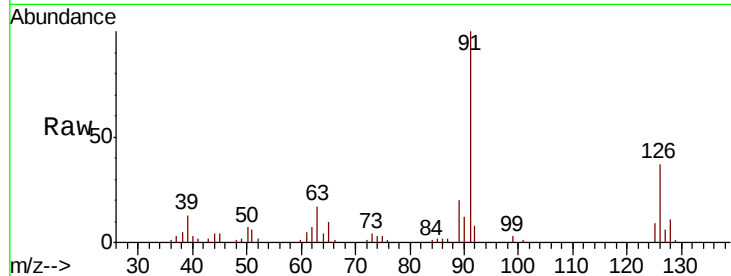
91 100

126 35.0 17.0 51.0

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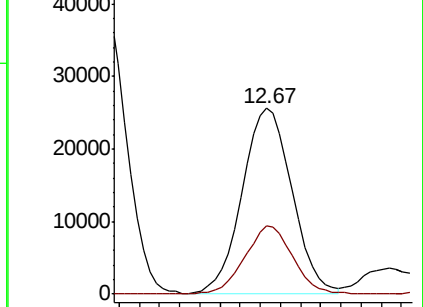
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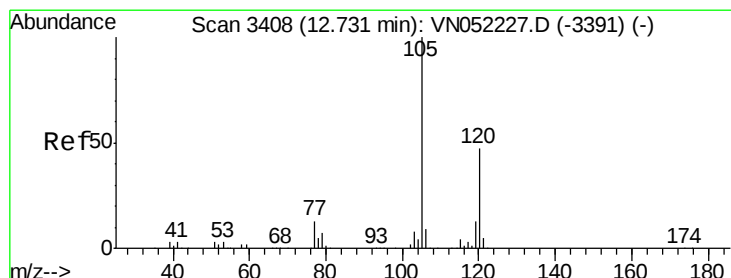
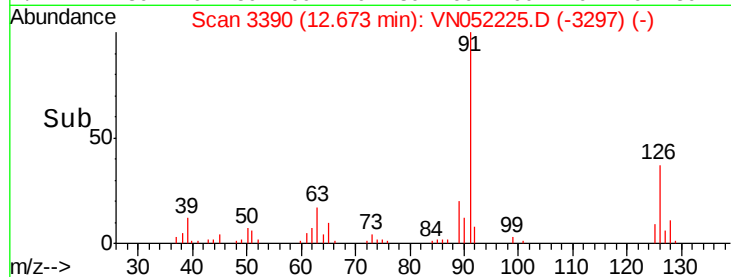


Abundance Ion 91.00 (90.70 to 91.70): VN052227.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN052227.D (-3378) (-)



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 4.979 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052225.D

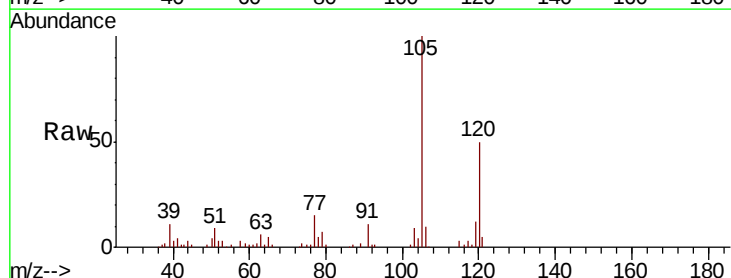
Acq: 9 Nov 2018 14:06

Tgt Ion: 105 Resp: 51480

Ion Ratio Lower Upper

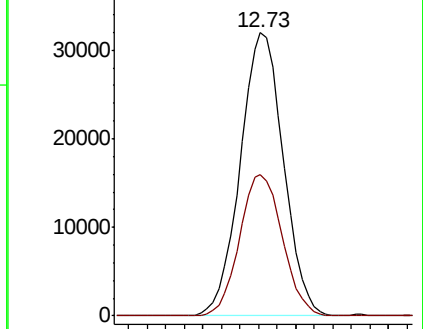
105 100

120 49.3 23.9 71.8

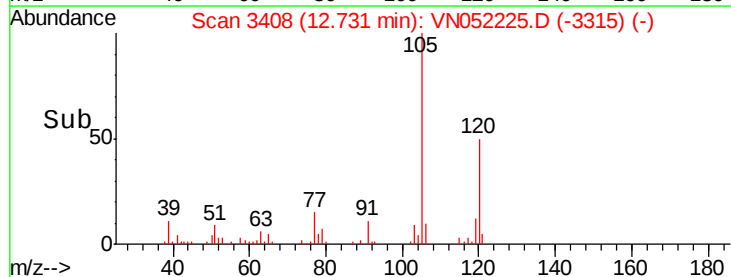


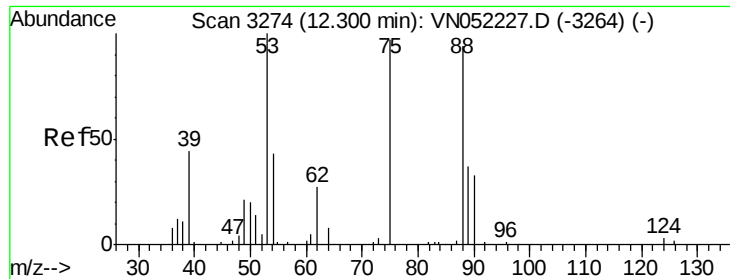
Abundance Ion 105.00 (104.70 to 105.70): VN052227.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN052227.D (-3391) (-)



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 4.094 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN052225.D

Acq: 9 Nov 2018 14:06

Instrument :

MSVOA_N

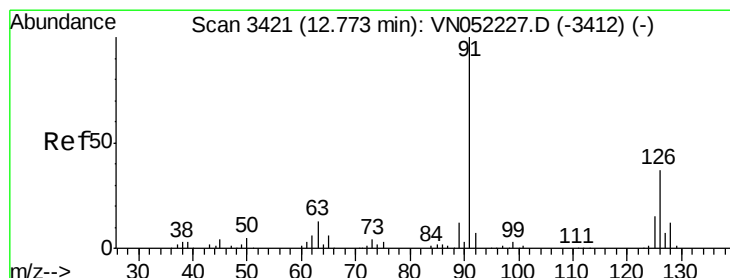
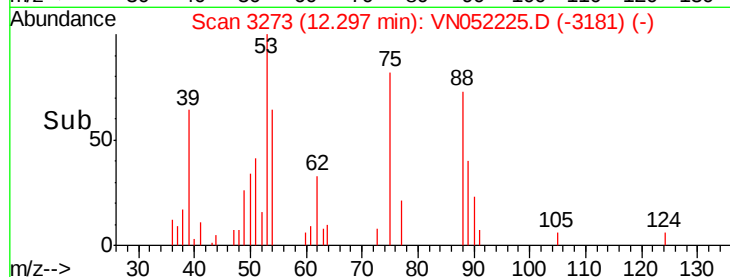
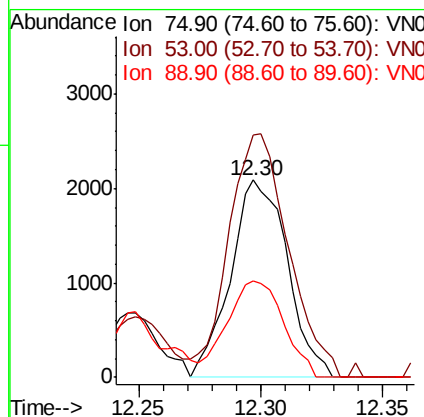
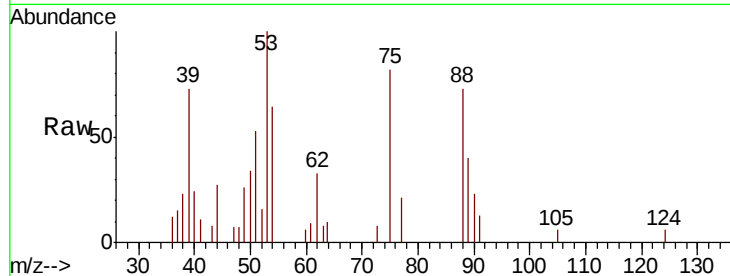
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	3375
Ion	Ratio	Lower	Upper
75	100		
53	129.5	84.0	126.0#
89	48.7	33.7	50.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 5.070 ug/l

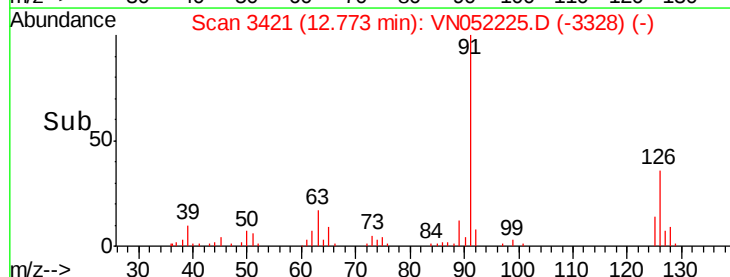
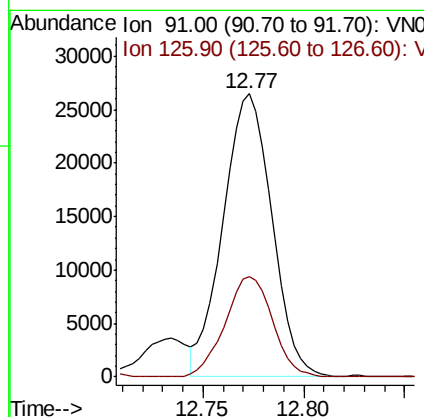
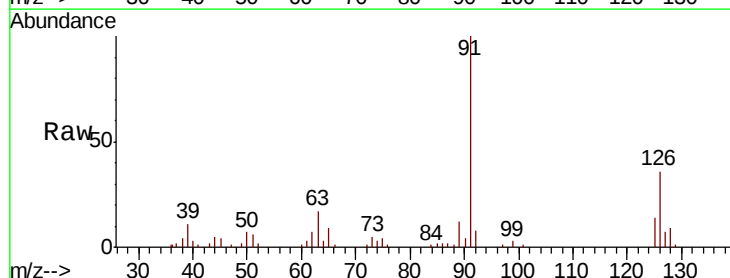
RT: 12.77 min Scan# 3421

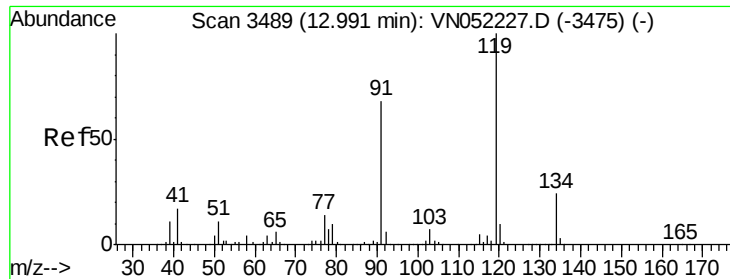
Delta R.T. 0.00 min

Lab File: VN052225.D

Acq: 9 Nov 2018 14:06

Tgt Ion:	91	Resp:	44880
Ion	Ratio	Lower	Upper
91	100		
126	34.4	16.9	50.7





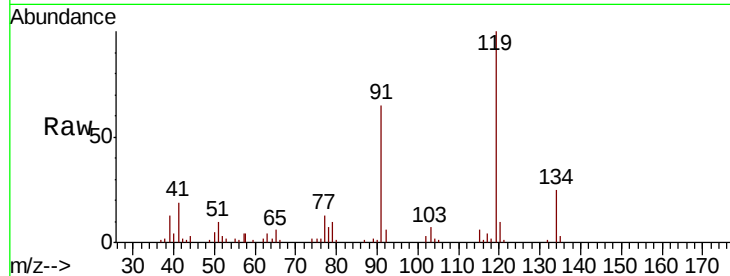
#83
tert-Butylbenzene
Concen: 5.096 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN052225.D
Acq: 9 Nov 2018 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

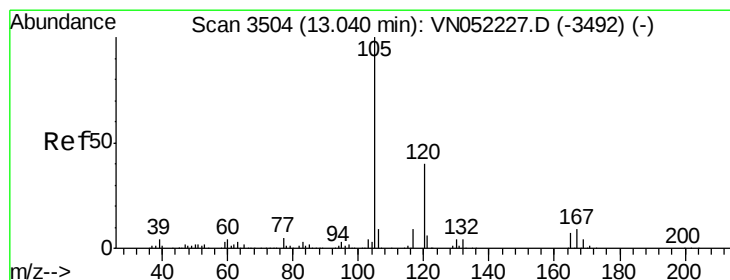
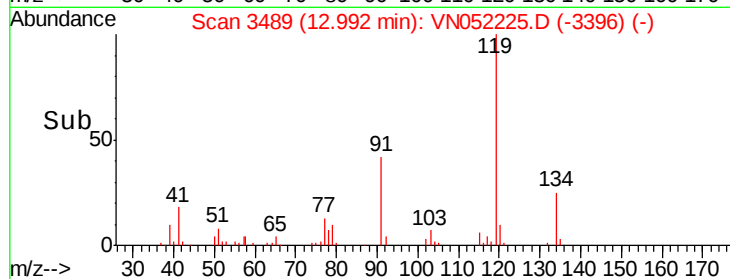
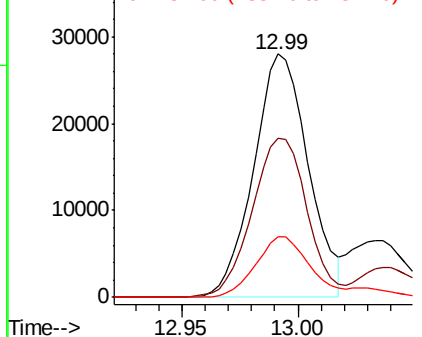
Tot Ion	Ratio	Lower	Upper
119	100		
91	66.1	33.5	100.4
134	24.7	13.0	38.9

Manual Integrations
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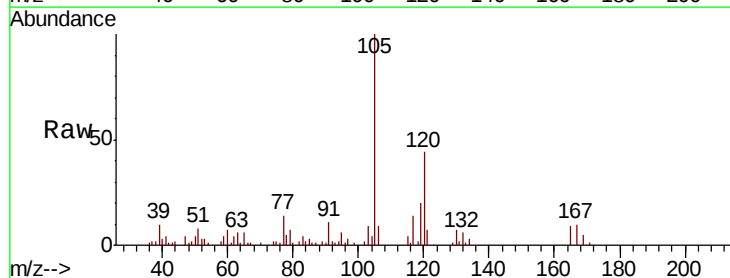


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

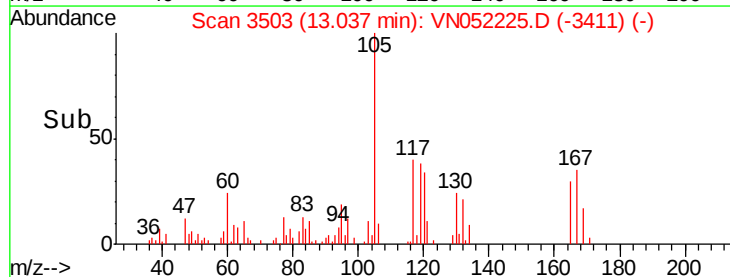
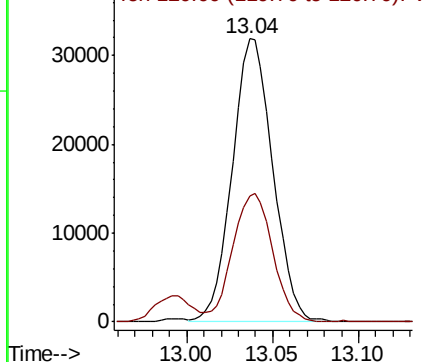


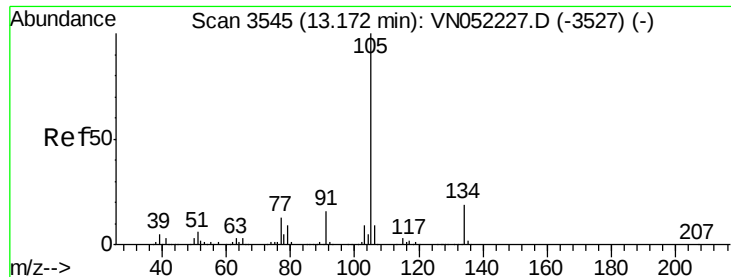
#84
1,2,4-Trimethylbenzene
Concen: 5.006 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN052225.D
Acq: 9 Nov 2018 14:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.7	68.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





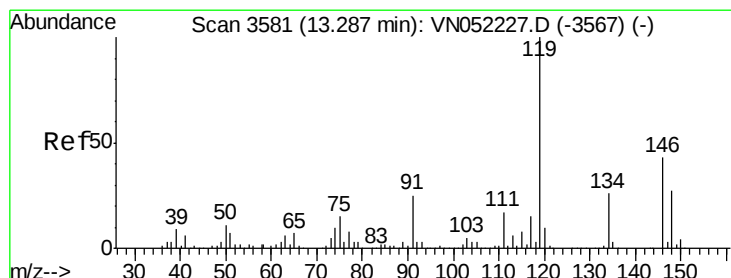
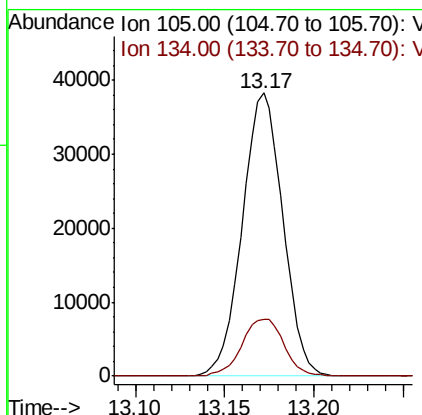
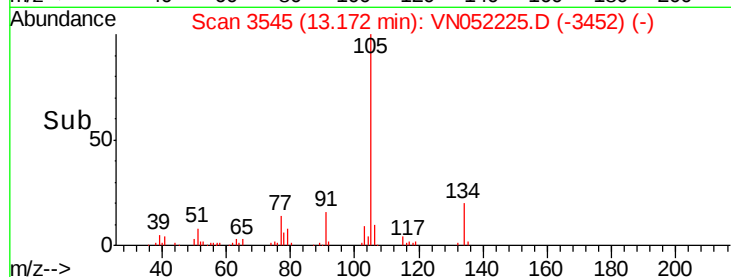
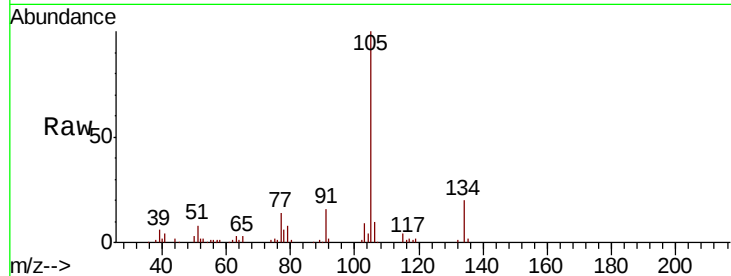
#85
 sec-Butylbenzene
 Concen: 4.920 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052225.D
 Acq: 9 Nov 2018 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.0	9.7	28.9

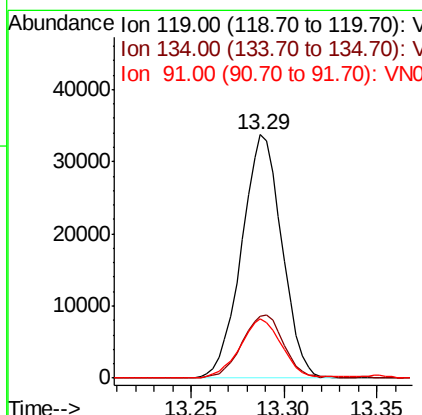
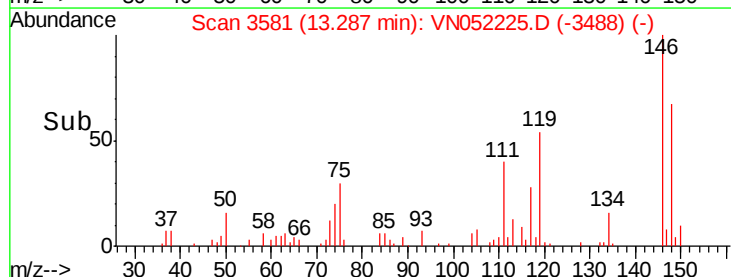
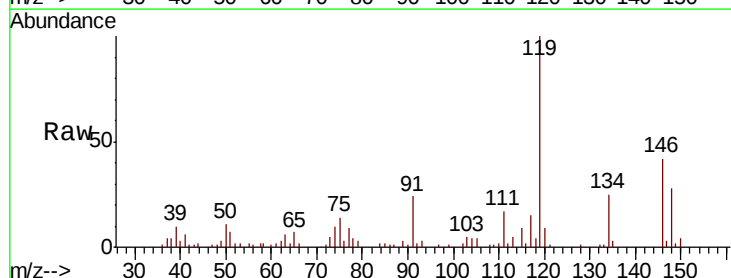
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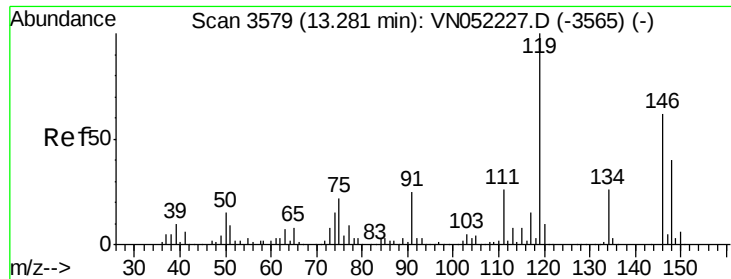
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#86
 p-Isopropyltoluene
 Concen: 4.903 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN052225.D
 Acq: 9 Nov 2018 14:06

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.2	39.6
91	25.4	12.4	37.0





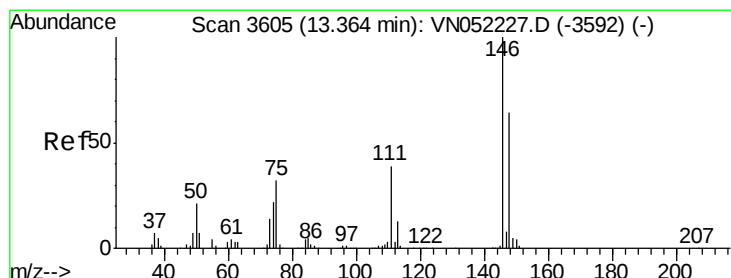
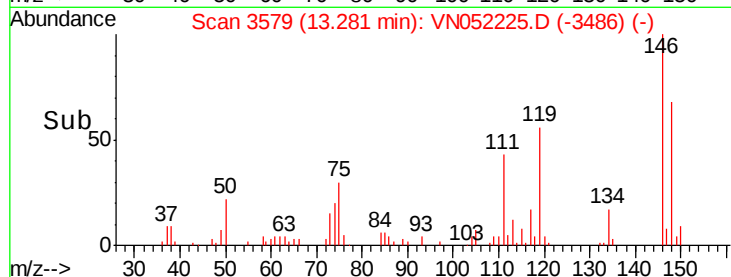
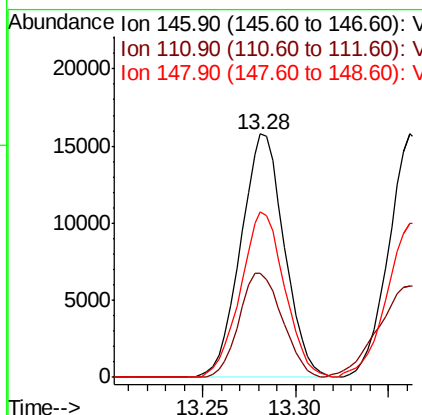
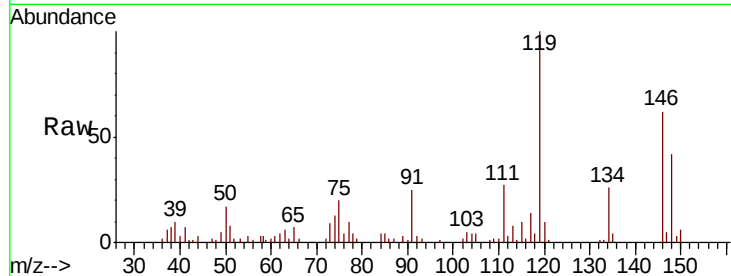
#87
 1,3-Dichlorobenzene
 Concen: 4.851 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN052225.D
 Acq: 9 Nov 2018 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.1	60.3
148	68.8	31.6	94.7

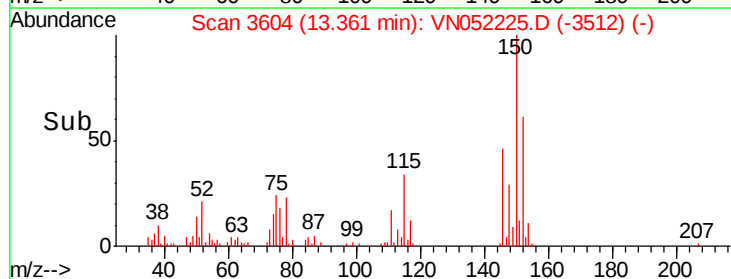
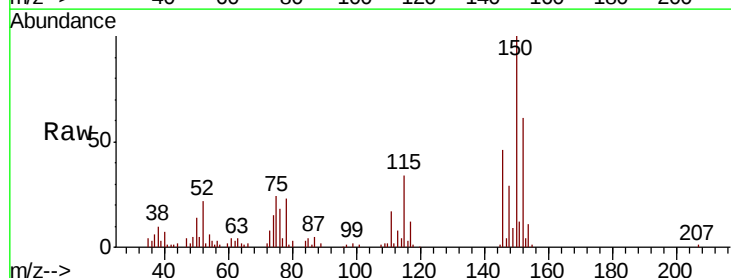
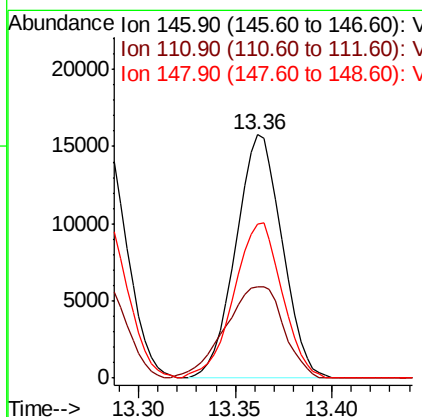
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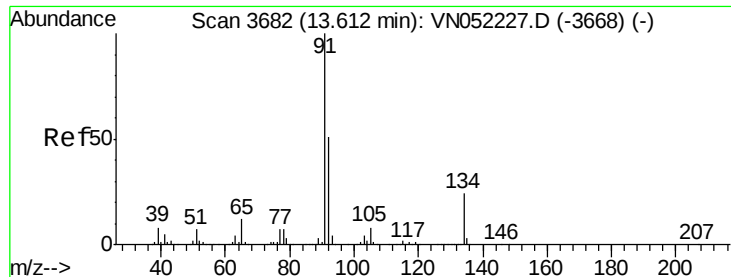
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#88
 1,4-Dichlorobenzene
 Concen: 4.956 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN052225.D
 Acq: 9 Nov 2018 14:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.4	20.2	60.6
148	66.2	32.1	96.3





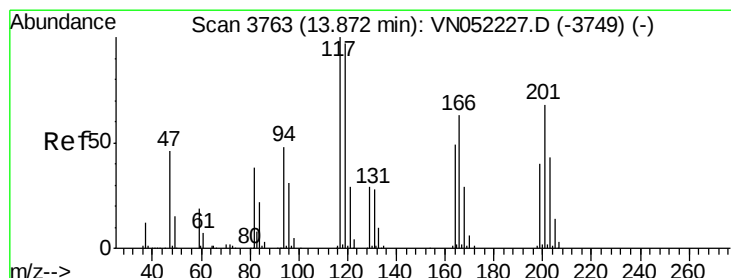
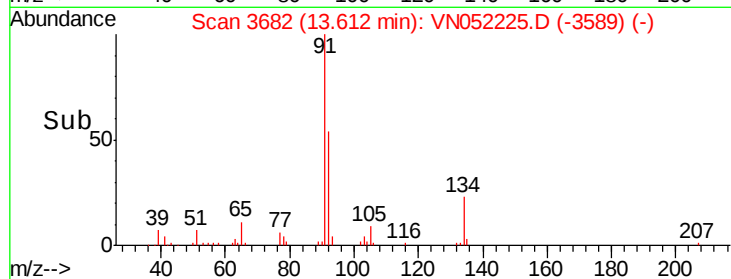
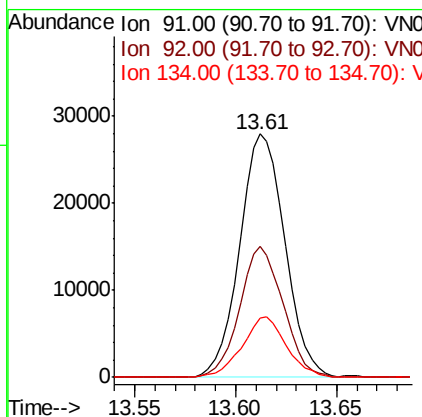
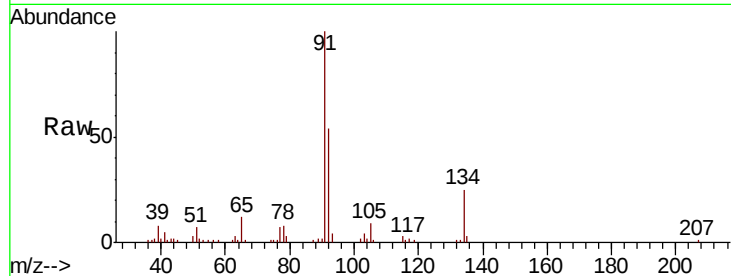
#89
n-Butylbenzene
Concen: 4.755 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN052225.D
Acq: 9 Nov 2018 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.1	75.3
134	24.3	12.0	36.1

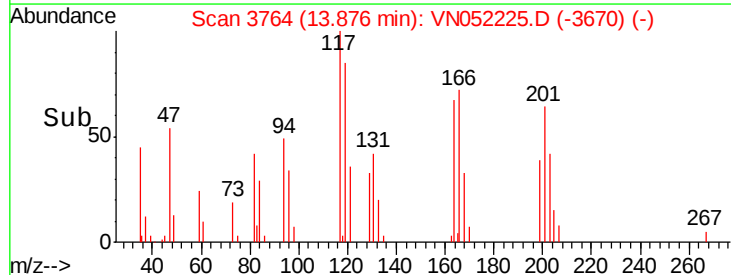
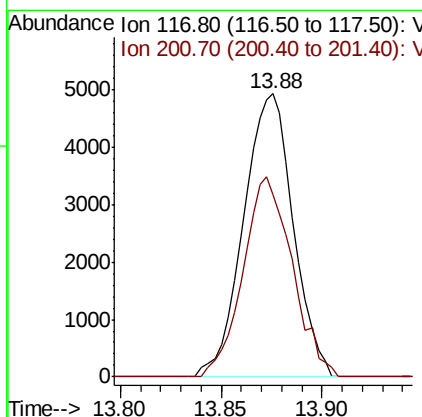
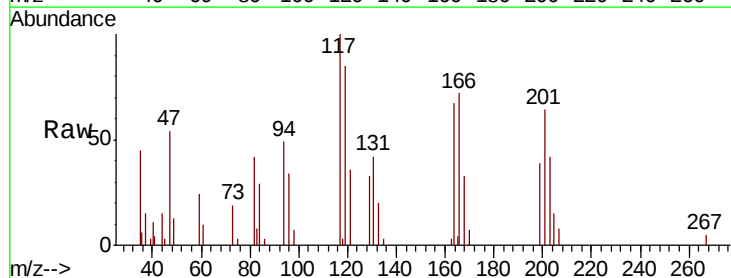
Manual Integrations
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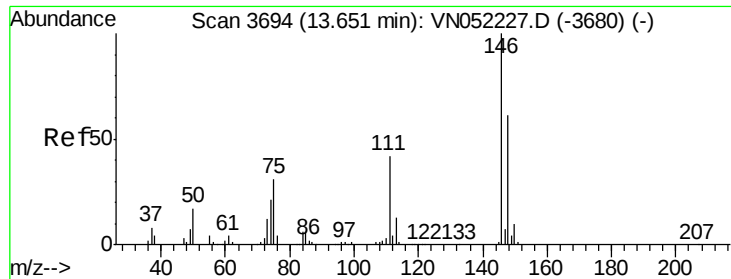
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#90
Hexachloroethane
Concen: 4.665 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052225.D
Acq: 9 Nov 2018 14:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.0	34.6	103.9





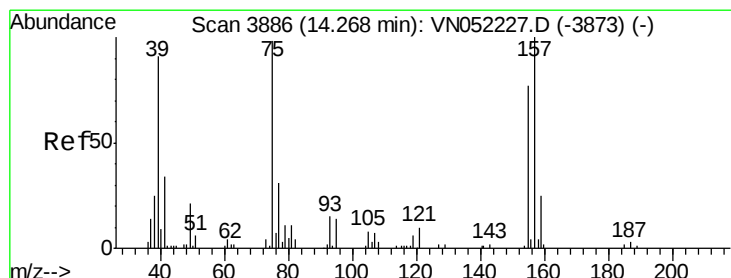
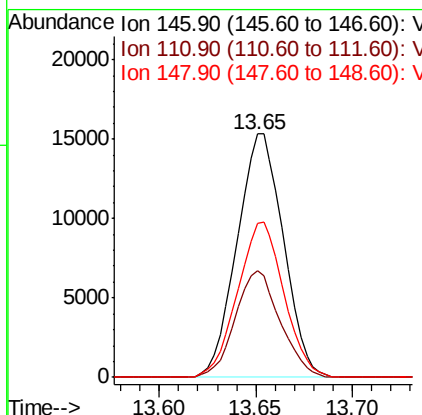
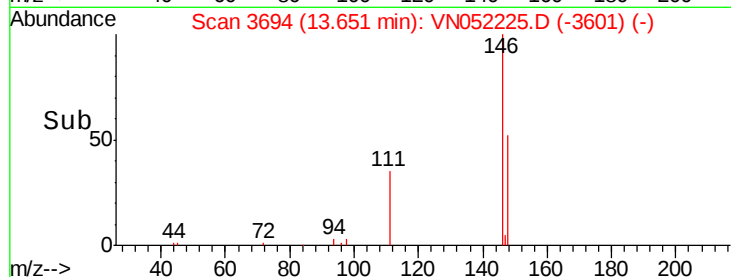
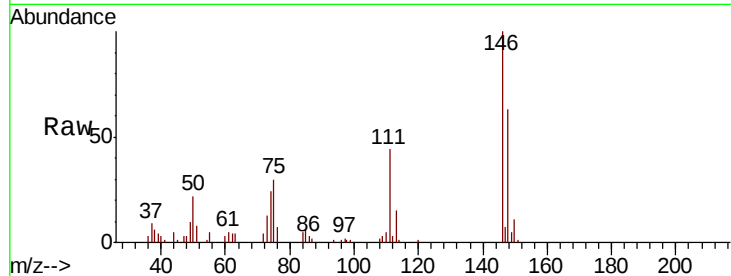
#91
 1,2-Dichlorobenzene
 Concen: 4.941 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN052225.D
 Acq: 9 Nov 2018 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.1	63.3
148	63.6	31.3	93.8

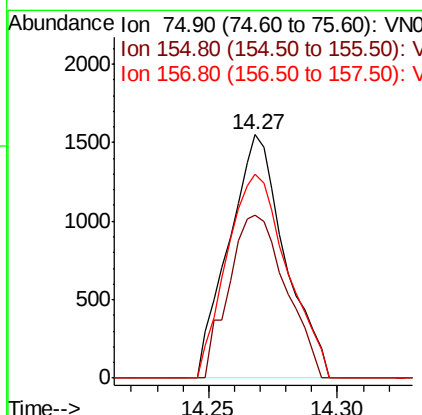
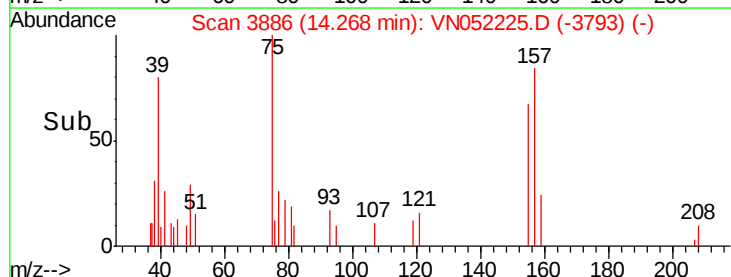
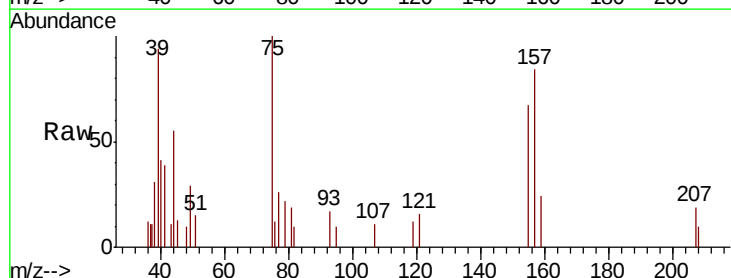
Manual Integrations
 APPROVED

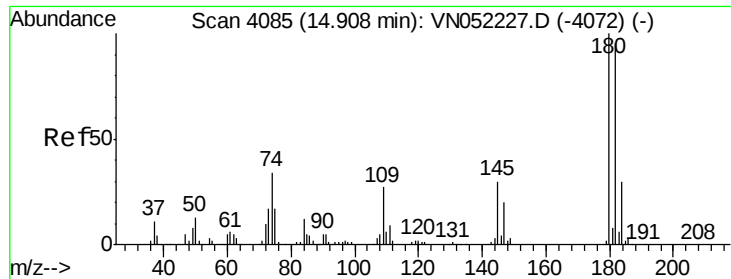
MMDadoda
 11/12/2018 9:18:33 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.180 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN052225.D
 Acq: 9 Nov 2018 14:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.3	40.2	120.5
157	90.3	51.7	155.2





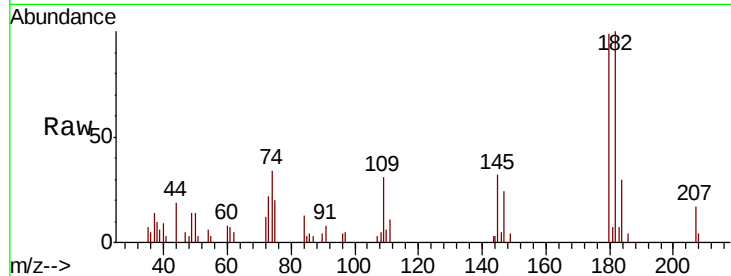
#93
 1,2,4-Trichlorobenzene
 Concen: 4.029 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052225.D
 Acq: 9 Nov 2018 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.3	142.0
145	33.0	15.6	46.8

Manual Integrations
 APPROVED

MMDadoda
 11/12/2018 9:18:33 AM

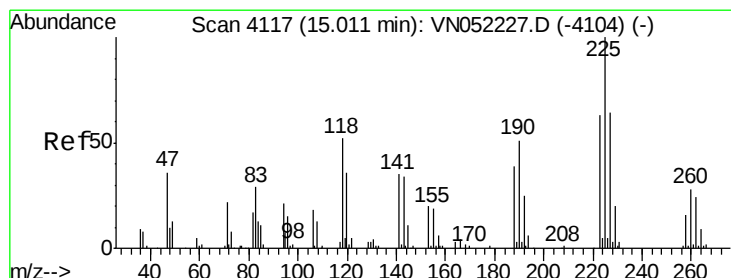
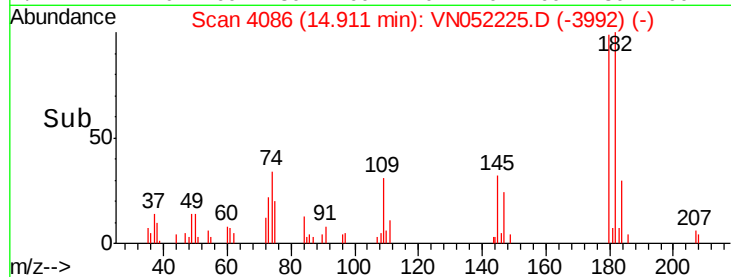
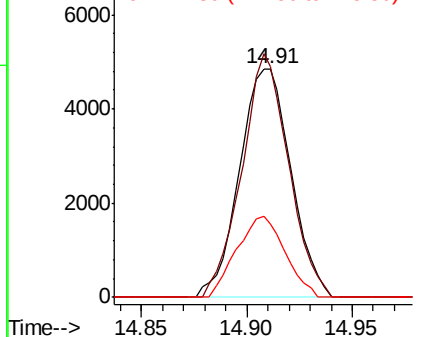


Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 5.052 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.01 min
 Lab File: VN052225.D
 Acq: 9 Nov 2018 14:06

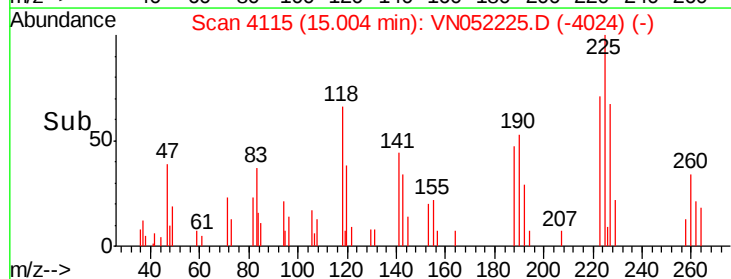
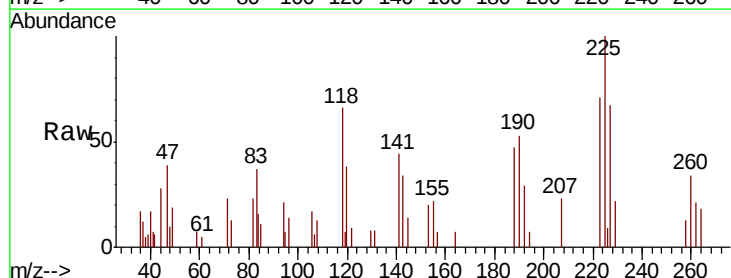
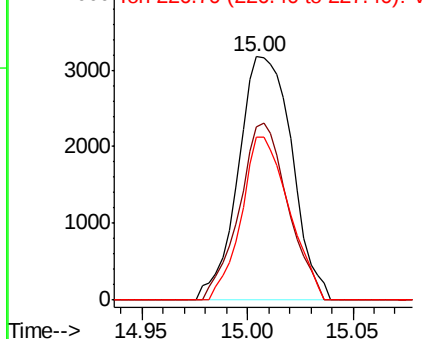
Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.9	32.1	96.3
227	59.6	31.8	95.4

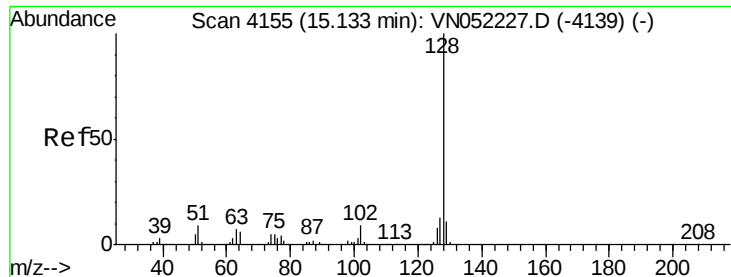
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 3.907 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052225.D

Acq: 9 Nov 2018 14:06

Instrument :

MSVOA_N

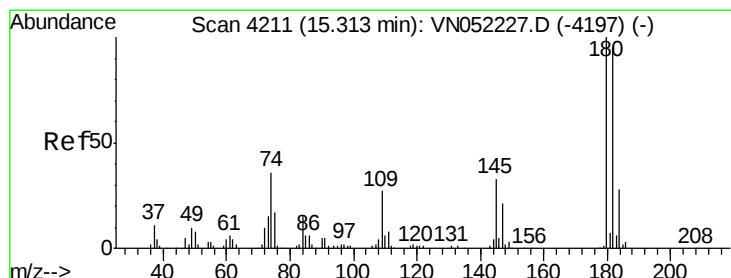
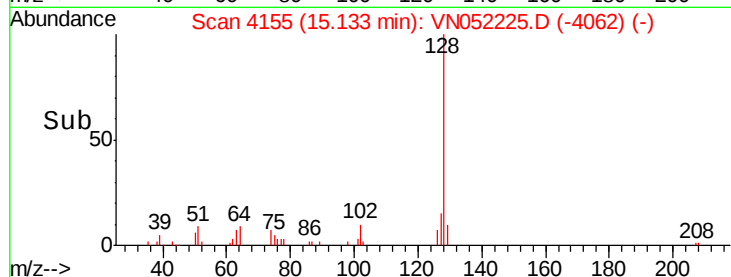
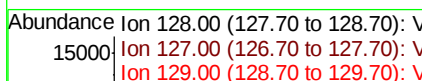
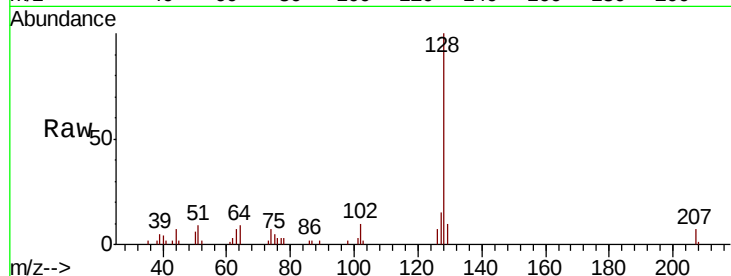
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	19685
Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.6	16.0
129	9.9	8.7	13.1

Manual Integrations
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11/12/2018 9:18:33 AM



#96

1,2,3-Trichlorobenzene

Concen: 4.216 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN052225.D

Acq: 9 Nov 2018 14:06

Tgt Ion:	180	Resp:	8150
Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.7	143.1
145	28.4	16.8	50.3

