

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102318\
 Data File : VN051960.D
 Acq On : 23 Oct 2018 13:07
 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
 10/24/2018 10:09:09 AM

Quant Time: Oct 24 04:34:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 04:09:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1038988	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1515421	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1363058	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	653867	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	46940	5.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.14%	
35) Dibromofluoromethane	7.60	113	47904	4.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.90%	
50) Toluene-d8	10.09	98	168168	4.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.62%	
62) 4-Bromofluorobenzene	12.40	95	54074	4.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	36763	5.576	ug/l	97
3) Chloromethane	2.06	50	33244	5.600	ug/l	94
4) Vinyl Chloride	2.19	62	43128	5.420	ug/l	98
5) Bromomethane	2.57	94	38140	5.006	ug/l	94
6) Chloroethane	2.71	64	30771	5.209	ug/l	90
7) Trichlorofluoromethane	3.02	101	75989	5.359	ug/l	98
8) Diethyl Ether	3.42	74	22201	5.267	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	47383	5.579	ug/l	99
10) Methyl Iodide	3.96	142	56631	4.506	ug/l	98
11) Tert butyl alcohol	4.78	59	12144	25.214	ug/l #	72
12) 1,1-Dichloroethene	3.74	96	40716	5.353	ug/l	91
13) Acrolein	3.62	56	4676	19.530	ug/l	96
14) Allyl chloride	4.33	41	36791	5.076	ug/l	95
15) Acrylonitrile	4.99	53	50396	25.623	ug/l	98
16) Acetone	3.82	43	37015	24.279	ug/l	100
17) Carbon Disulfide	4.06	76	87173	4.821	ug/l	98
18) Methyl Acetate	4.33	43	25208	4.900	ug/l	94
19) Methyl tert-butyl Ether	5.04	73	104699	5.127	ug/l	95
20) Methylene Chloride	4.56	84	45670	5.106	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	44640	5.182	ug/l	94
22) Diisopropyl ether	5.95	45	92513	5.138	ug/l	97
23) Vinyl Acetate	5.90	43	311859	24.895	ug/l	95
24) 1,1-Dichloroethane	5.86	63	70297	5.229	ug/l	98
25) 2-Butanone	6.83	43	56946	26.201	ug/l	100
26) 2,2-Dichloropropane	6.83	77	62444	5.076	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	52721	5.262	ug/l	99
28) Bromochloromethane	7.20	49	27630	5.099	ug/l	100
29) Tetrahydrofuran	7.22	42	37374	25.380	ug/l	93
30) Chloroform	7.37	83	83558	5.090	ug/l	94
31) Cyclohexane	7.66	56	72854	5.030	ug/l #	88
32) 1,1,1-Trichloroethane	7.57	97	75165	5.007	ug/l	97
36) 1,1-Dichloropropene	7.80	75	61431	5.285	ug/l	99
37) Ethyl Acetate	6.94	43	28644m	5.618	ug/l	
38) Carbon Tetrachloride	7.77	117	66541	4.986	ug/l	94

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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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Quant Time: Oct 24 04:34:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 04:09:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	75484	5.316	ug/l	98
40) Benzene	8.04	78	180471	5.229	ug/l	98
41) Methacrylonitrile	7.17	41	12354	4.729	ug/l #	89
42) 1,2-Dichloroethane	8.13	62	59241	5.353	ug/l	99
43) Isopropyl Acetate	8.16	43	48167	4.948	ug/l	97
44) Trichloroethene	8.84	130	57945	5.230	ug/l	93
45) 1,2-Dichloropropane	9.12	63	41365	5.298	ug/l	100
46) Dibromomethane	9.21	93	31871	5.064	ug/l	96
47) Bromodichloromethane	9.40	83	56503	4.754	ug/l	97
48) Methyl methacrylate	9.20	41	23463	4.986	ug/l	100
49) 1,4-Dioxane	9.20	88	8922	103.403	ug/l #	82
51) 4-Methyl-2-Pentanone	9.99	43	130942	24.452	ug/l	100
52) Toluene	10.16	92	118009	5.042	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	48508	4.454	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	57976	4.666	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	43850	5.071	ug/l	97
56) Ethyl methacrylate	10.43	69	44079	4.742	ug/l	98
57) 1,3-Dichloropropane	10.71	76	66924	5.098	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	116552	23.963	ug/l	98
59) 2-Hexanone	10.75	43	88536	24.607	ug/l	96
60) Dibromochloromethane	10.90	129	40166	4.145	ug/l	98
61) 1,2-Dibromoethane	11.01	107	43601	4.782	ug/l	99
64) Tetrachloroethene	10.63	164	54194	5.180	ug/l	97
65) Chlorobenzene	11.44	112	139609	5.073	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	46904	4.742	ug/l	100
67) Ethyl Benzene	11.51	91	223703	5.057	ug/l	100
68) m/p-Xylenes	11.62	106	177686	10.053	ug/l	99
69) o-Xylene	11.95	106	84161	4.896	ug/l	97
70) Styrene	11.96	104	131733	4.795	ug/l	98
71) Bromoform	12.12	173	23319	3.865	ug/l #	99
73) Isopropylbenzene	12.25	105	225308	5.433	ug/l	99
74) N-amyl acetate	12.07	43	41533	5.088	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	49259	5.749	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	36986m	5.554	ug/l	
77) Bromobenzene	12.53	156	61349	5.361	ug/l	97
78) n-propylbenzene	12.59	91	244706	5.470	ug/l	97
79) 2-Chlorotoluene	12.67	91	143676	5.515	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	178887	5.377	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	8227	4.519	ug/l	88
82) 4-Chlorotoluene	12.77	91	148553	5.508	ug/l	97
83) tert-Butylbenzene	12.99	119	171669	5.456	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	183390	5.344	ug/l	98
85) sec-Butylbenzene	13.17	105	224718	5.468	ug/l	98
86) p-Isopropyltoluene	13.29	119	194476	5.256	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	111209	5.269	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	108513	5.215	ug/l	92
89) n-Butylbenzene	13.62	91	159234	5.405	ug/l	96
90) Hexachloroethane	13.87	117	26428	4.794	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	105263	5.155	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	6291	4.782	ug/l	96

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ALS Vial : 3 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

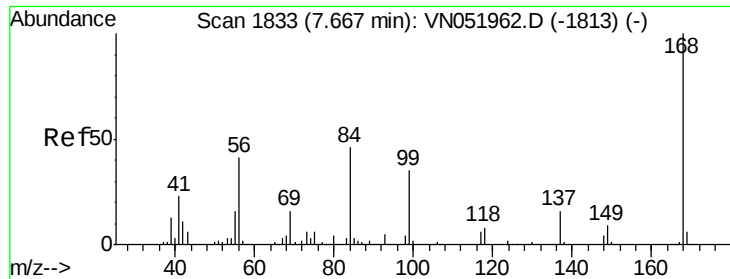
Manual Integrations
APPROVED

MMDadoda
10/24/2018 10:09:09 AM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 24 04:09:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	58744	4.870	ug/l	100
94) Hexachlorobutadiene	15.01	225	32737	5.282	ug/l	95
95) Naphthalene	15.13	128	126821	4.841	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	56525	4.903	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051960.D

Acq: 23 Oct 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 1038988

Ion Ratio Lower Upper

168 100

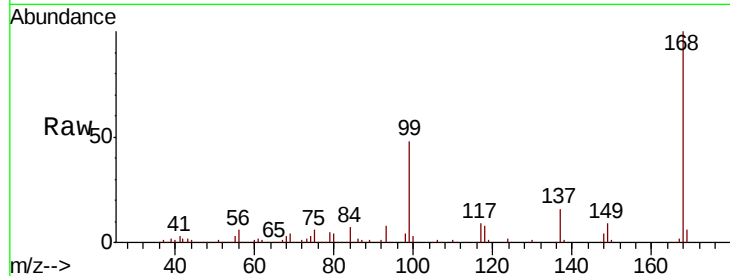
99 48.2 37.8 56.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN051962.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051962.D (-1813) (-)

7.67

400000

300000

200000

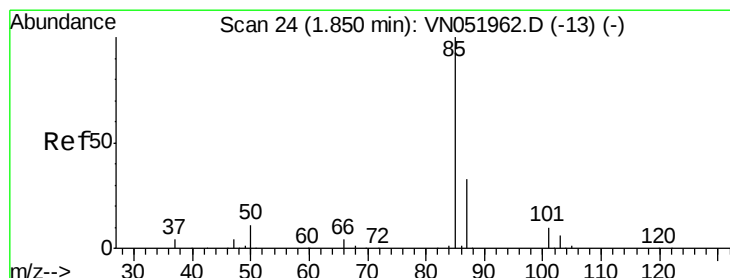
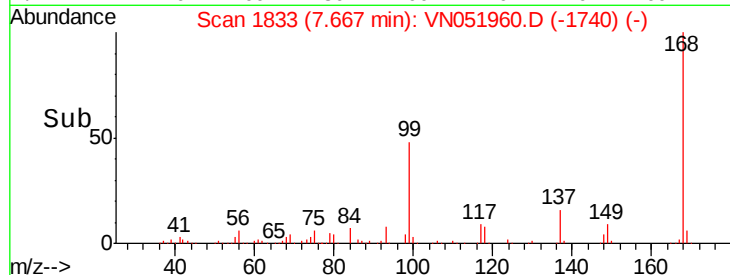
100000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 5.576 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051960.D

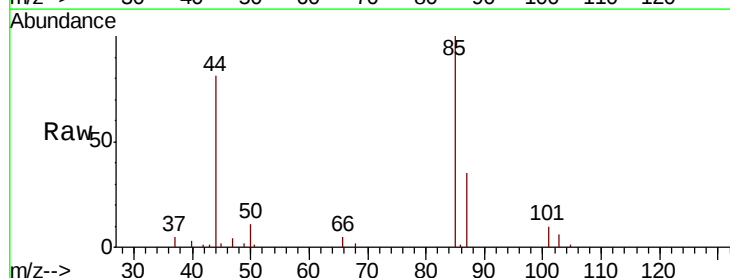
Acq: 23 Oct 2018 13:07

Tgt Ion: 85 Resp: 36763

Ion Ratio Lower Upper

85 100

87 34.7 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VN051962.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN051962.D (-13) (-)

1.85

30000

25000

20000

15000

10000

5000

0

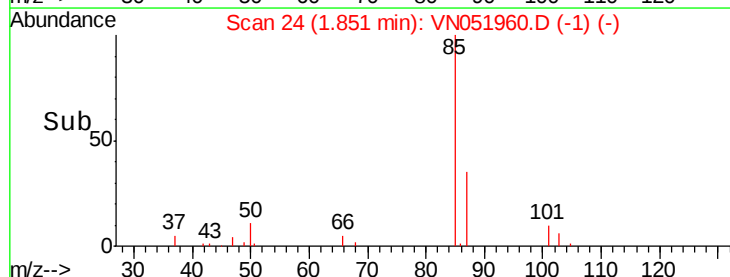
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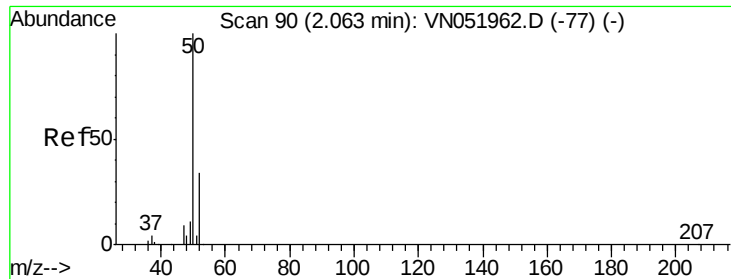
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 5.600 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN051960.D

Acq: 23 Oct 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 33244

Ion Ratio Lower Upper

50 100

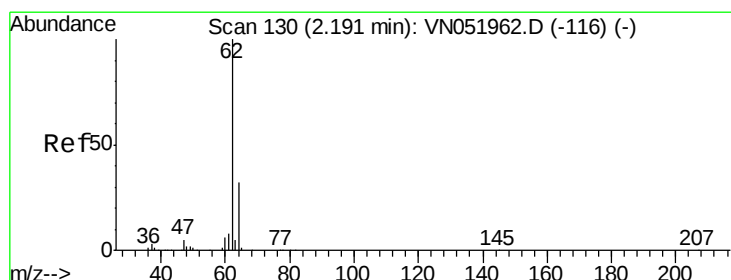
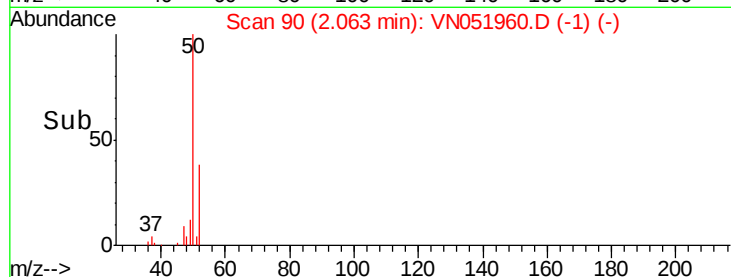
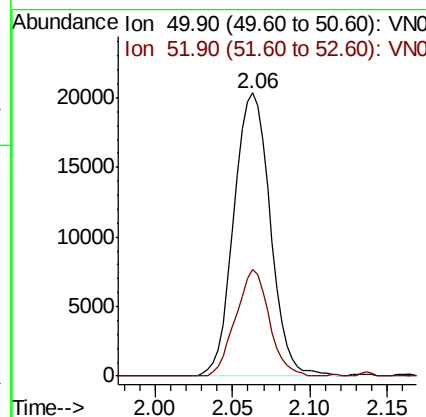
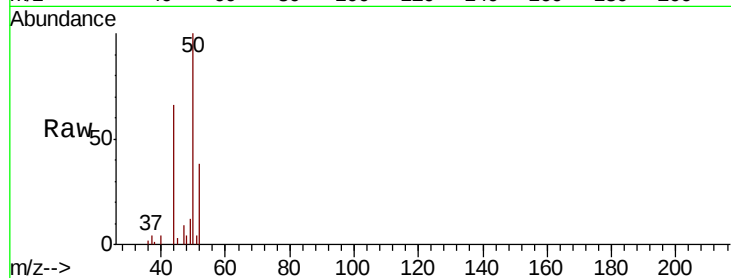
52 37.7 27.5 41.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 5.420 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN051960.D

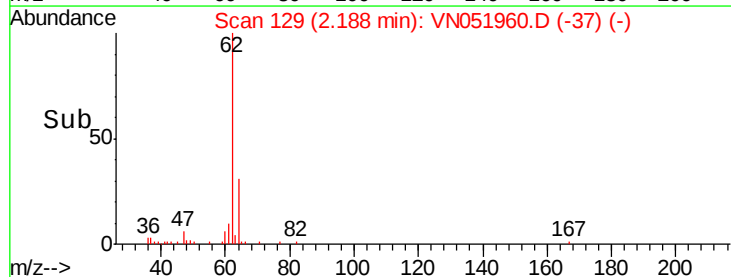
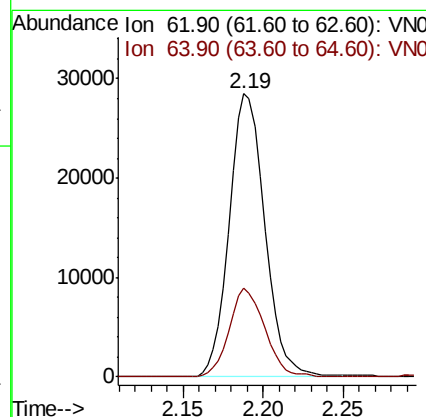
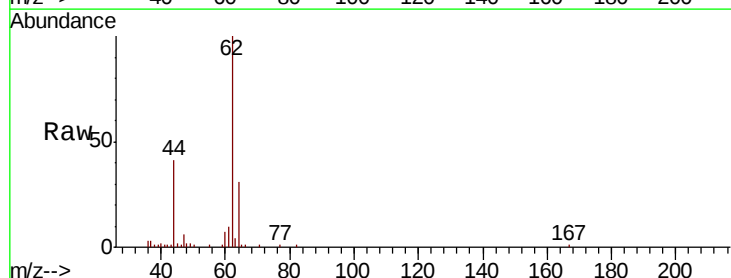
Acq: 23 Oct 2018 13:07

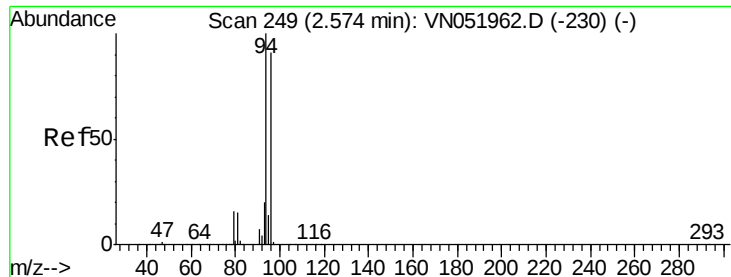
Tgt Ion: 62 Resp: 43128

Ion Ratio Lower Upper

62 100

64 31.4 26.0 39.0





#5

Bromomethane

Concen: 5.006 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN051960.D

Acq: 23 Oct 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 38140

Ion Ratio Lower Upper

94 100

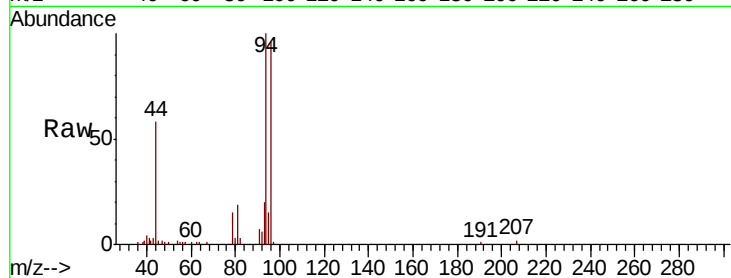
96 96.6 73.0 109.6

Manual Integrations

APPROVED

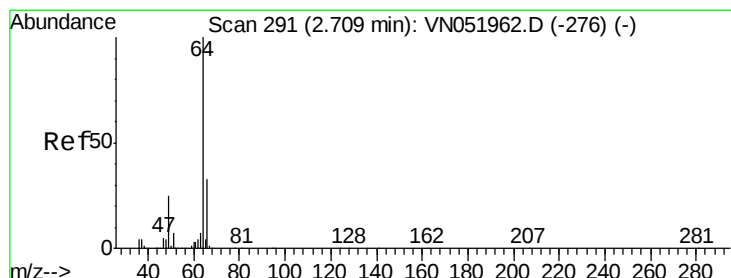
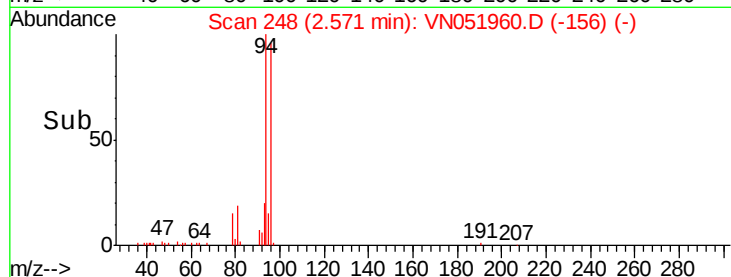
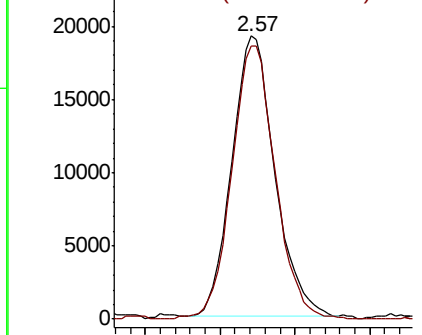
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Abundance Ion 93.90 (93.60 to 94.60): VN051960.D (-230) (-)

Ion 95.90 (95.60 to 96.60): VN051960.D (-230) (-)



#6

Chloroethane

Concen: 5.209 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN051960.D

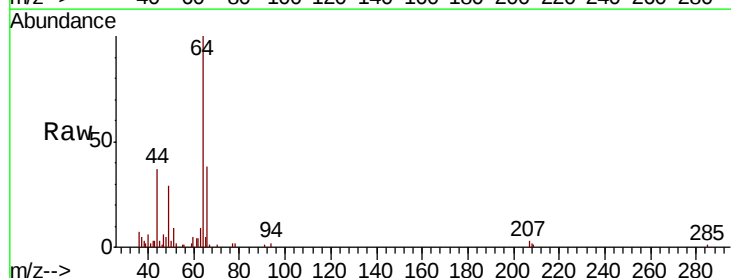
Acq: 23 Oct 2018 13:07

Tgt Ion: 64 Resp: 30771

Ion Ratio Lower Upper

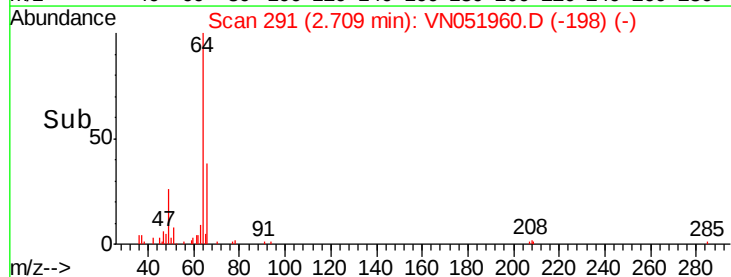
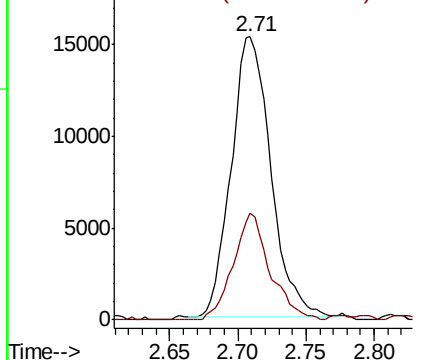
64 100

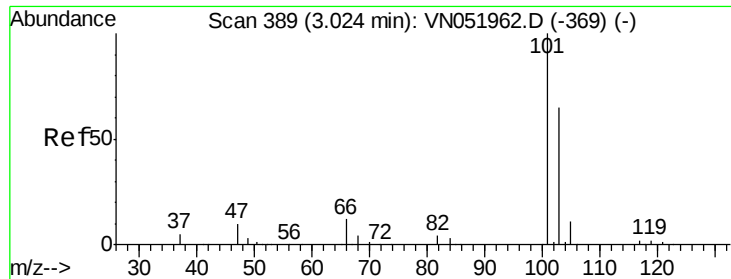
66 38.2 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN051960.D (-276) (-)

Ion 65.90 (65.60 to 66.60): VN051960.D (-276) (-)





#7

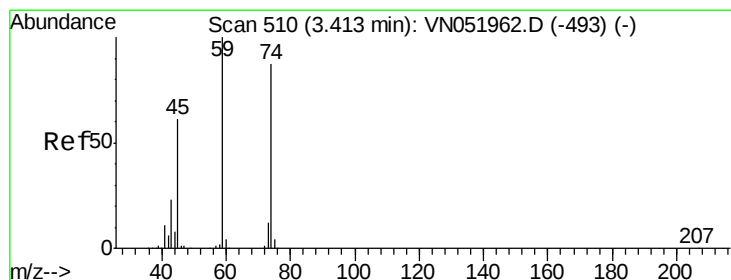
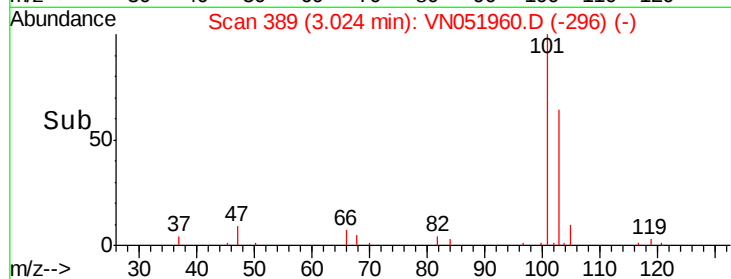
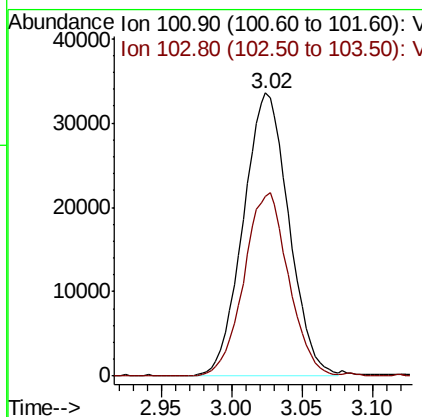
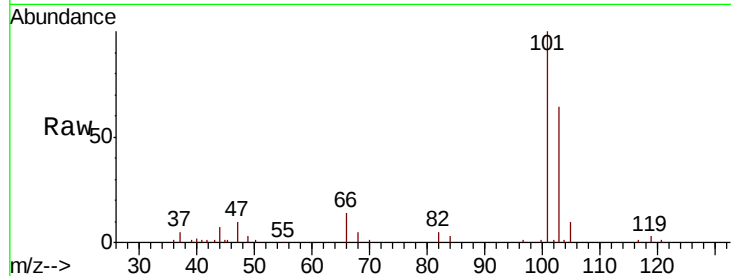
Trichlorofluoromethane
 Concen: 5.359 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN051960.D
 Acq: 23 Oct 2018 13:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	52.0	78.0

Manual Integrations
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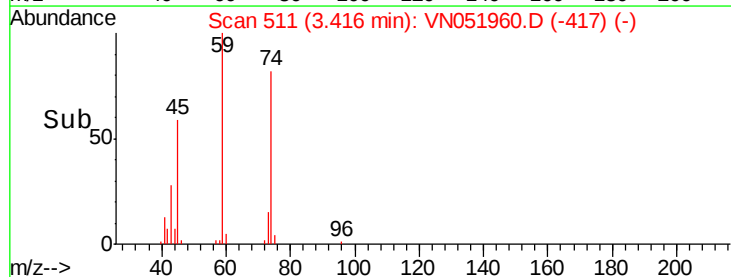
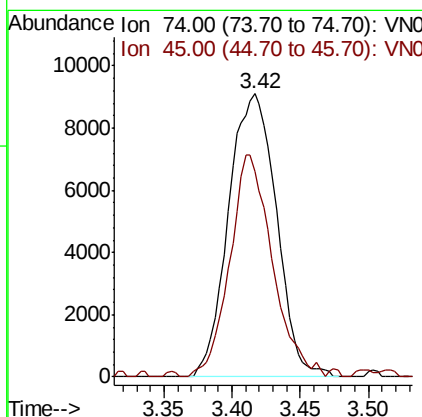
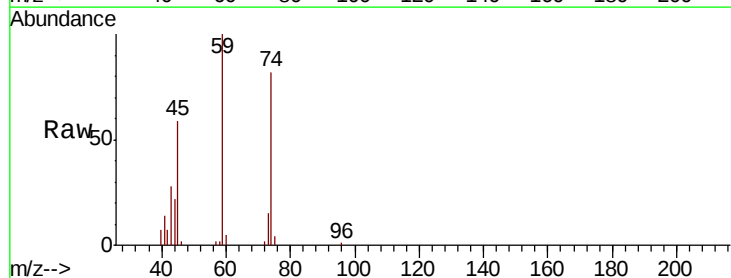
MMDadoda
 10/24/2018 10:09:09 AM

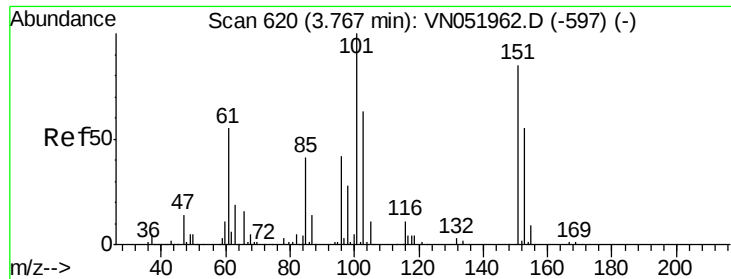


#8

Diethyl Ether
 Concen: 5.267 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN051960.D
 Acq: 23 Oct 2018 13:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	69.9	35.5	106.5





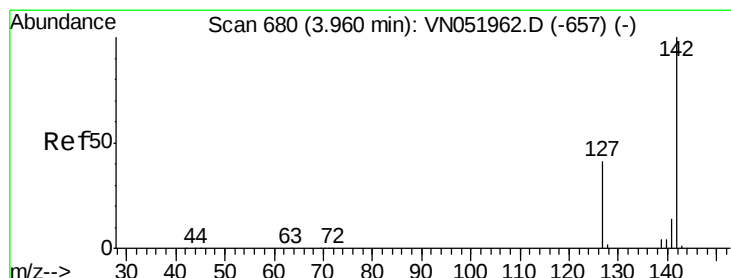
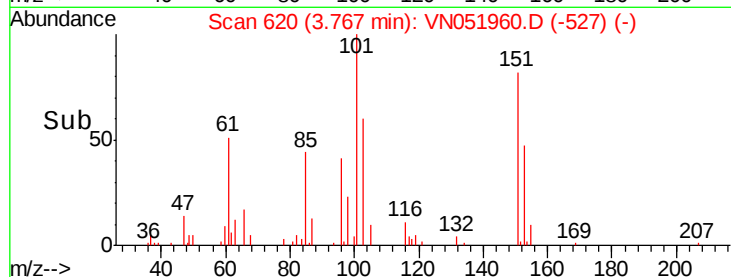
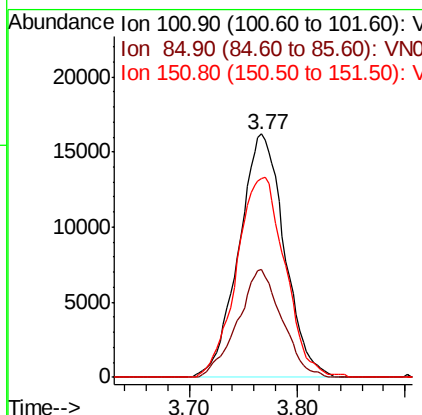
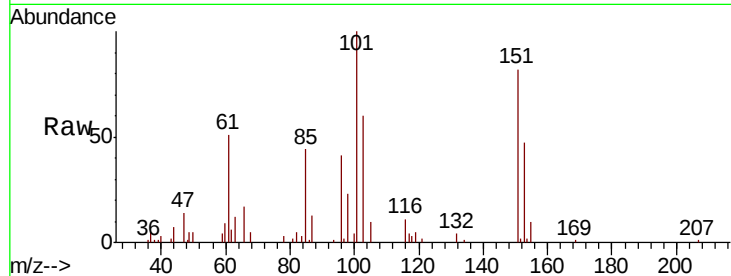
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.579 ug/l
RT: 3.77 min Scan# 620
Delta R.T. 0.00 min
Lab File: VN051960.D
Acq: 23 Oct 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.1	34.2	51.4
151	87.4	69.1	103.7

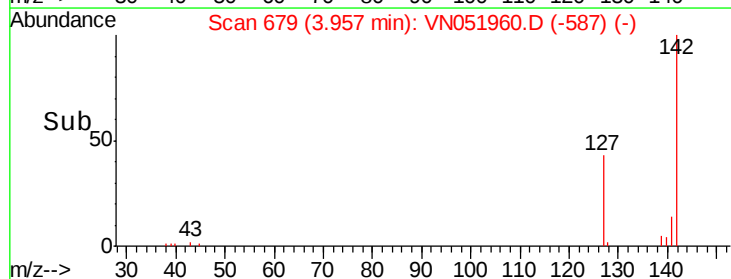
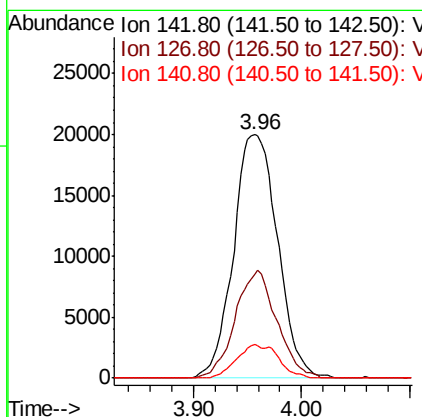
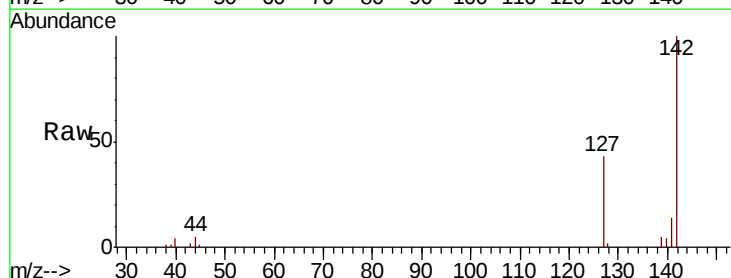
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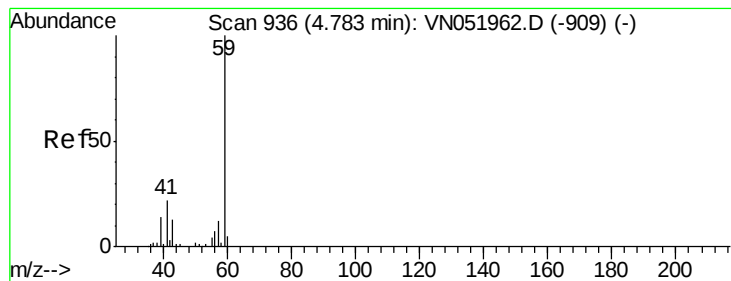
MMDadoda
10/24/2018 10:09:09 AM



#10
Methyl Iodide
Concen: 4.506 ug/l
RT: 3.96 min Scan# 679
Delta R.T. -0.00 min
Lab File: VN051960.D
Acq: 23 Oct 2018 13:07

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.7	34.3	51.5
141	13.1	11.4	17.0





#11

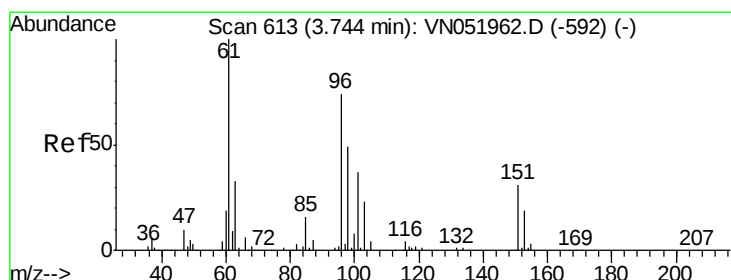
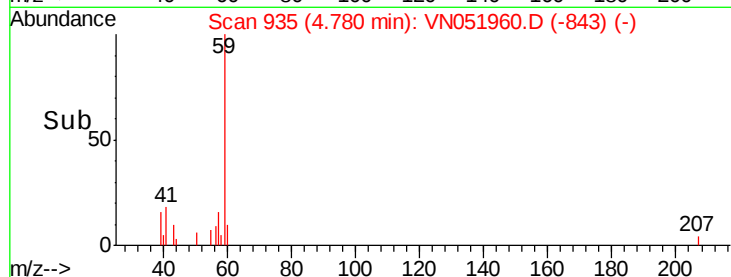
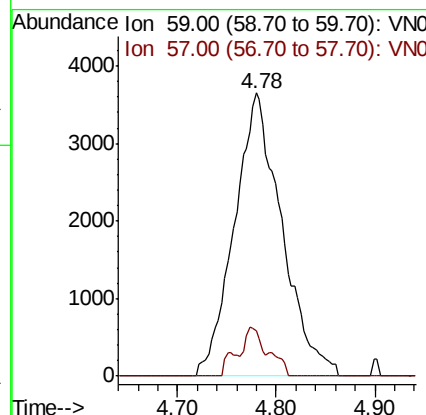
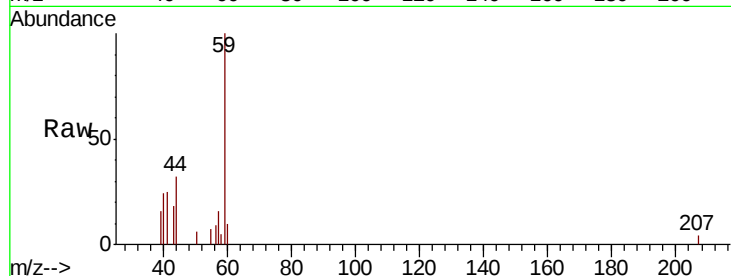
Tert butyl alcohol
Concen: 25.214 ug/l
RT: 4.78 min Scan# 935
Delta R.T. -0.00 min
Lab File: VN051960.D
Acq: 23 Oct 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	59	57	Ratio	100	0.0	Resp	12144	Lower	Upper
59	100								
57		0.0				8.2		12.4	

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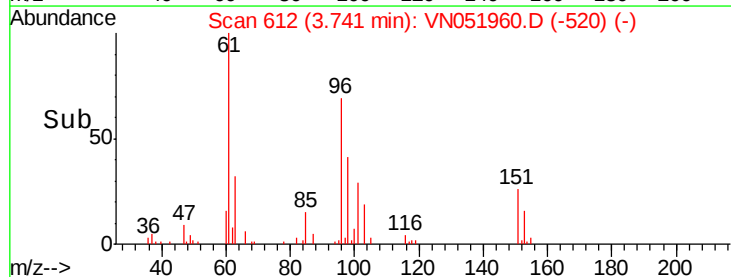
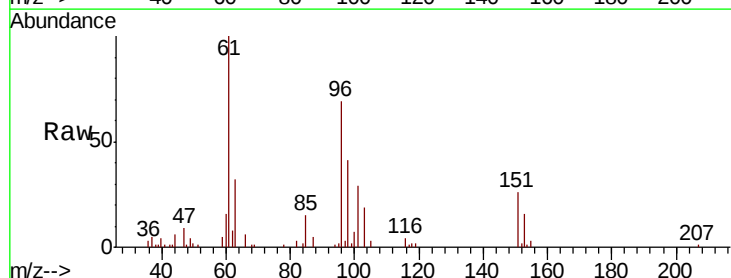
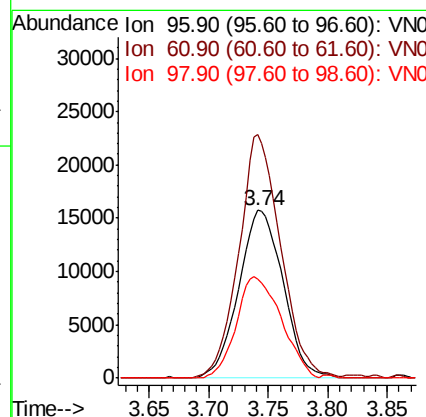
MMDadoda
10/24/2018 10:09:09 AM

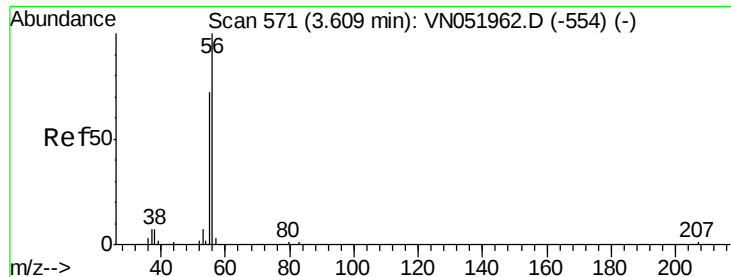


#12

1,1-Dichloroethene
Concen: 5.353 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN051960.D
Acq: 23 Oct 2018 13:07

Tgt Ion	96	61	98	Ratio	100	145.2	59.2	Resp	40716	Lower	Upper
96	100										
61		145.2				107.8				161.8	
98			59.2			52.7				79.1	





#13

Acrolein

Concen: 19.530 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN051960.D

Acq: 23 Oct 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 4676

Ion Ratio Lower Upper

56 100

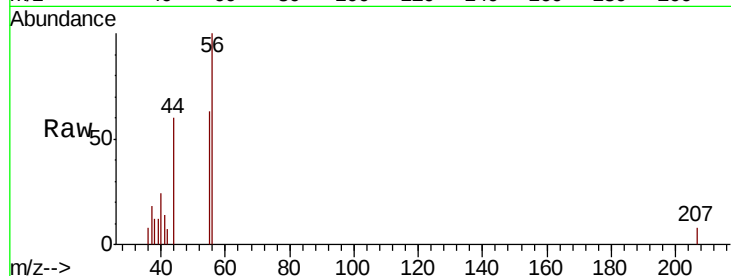
55 73.7 56.6 84.8

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Abundance Ion 56.00 (55.70 to 56.70): VN051960.D (-554) (-)

Ion 55.00 (54.70 to 55.70): VN051960.D (-554) (-)

2500

2000

1500

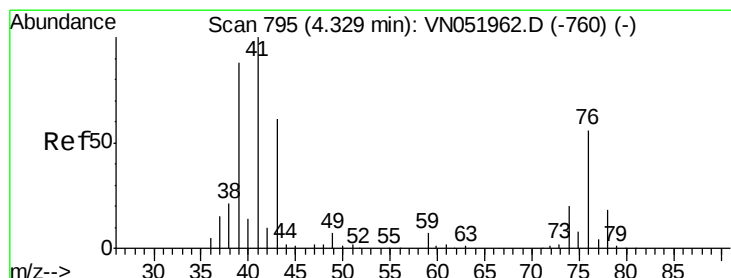
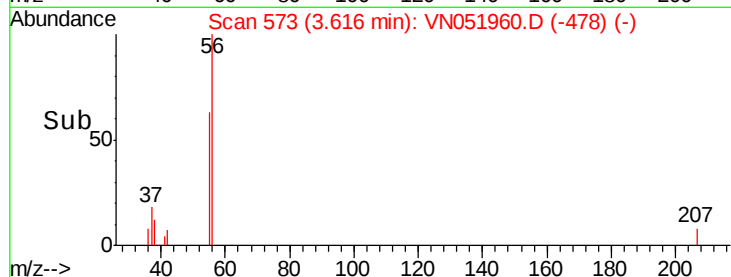
1000

500

0

3.55 3.60 3.65

Time-->



#14

Allyl chloride

Concen: 5.076 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN051960.D

Acq: 23 Oct 2018 13:07

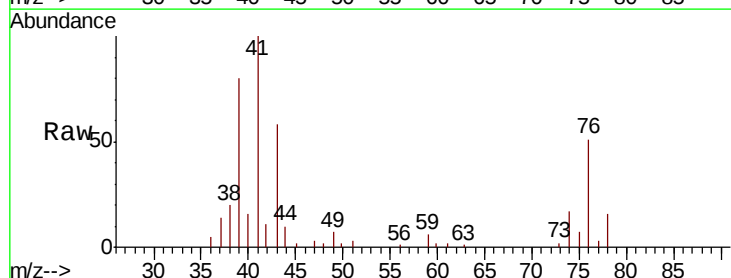
Tgt Ion: 41 Resp: 36791

Ion Ratio Lower Upper

41 100

39 88.8 67.7 101.5

76 55.3 41.3 61.9



Abundance Ion 41.00 (40.70 to 41.70): VN051960.D (-760) (-)

Ion 39.00 (38.70 to 39.70): VN051960.D (-760) (-)

Ion 75.90 (75.60 to 76.60): VN051960.D (-760) (-)

15000

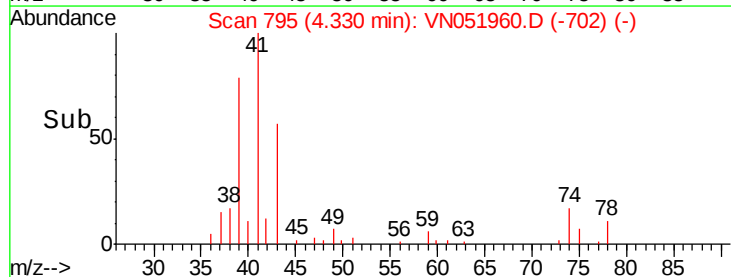
10000

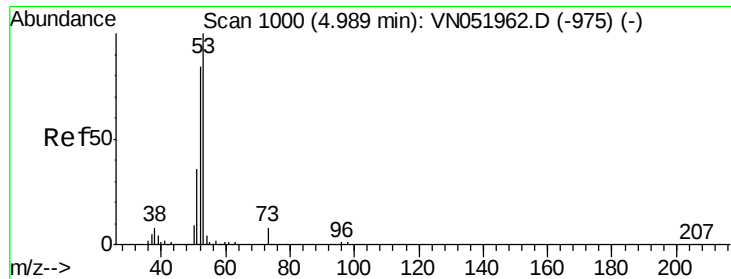
5000

0

4.25 4.30 4.35 4.40

Time-->





#15

Acrylonitrile

Concen: 25.623 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051960.D

Acq: 23 Oct 2018 13:07

Instrument :

MSVOA_N

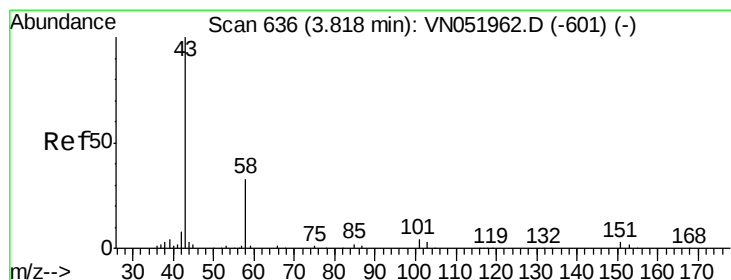
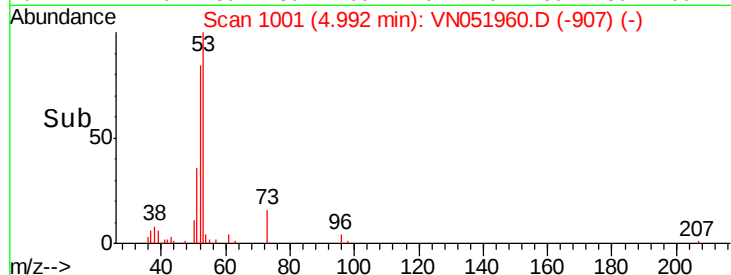
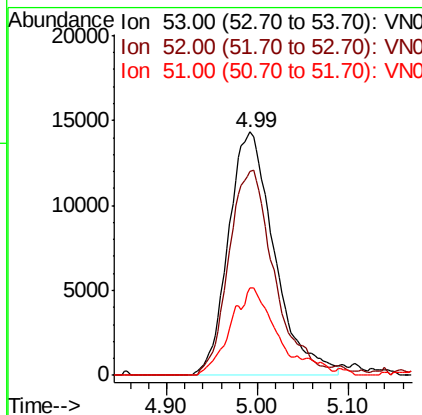
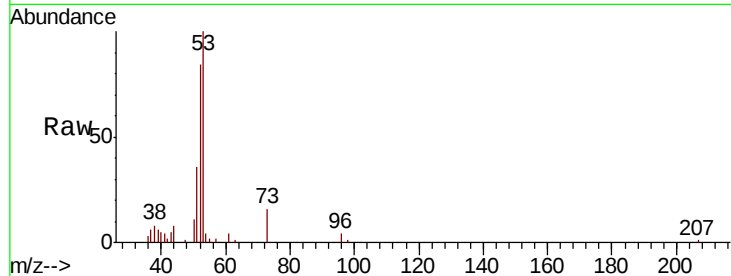
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	50396
Ion	Ratio	Lower	Upper
53	100		
52	82.7	67.0	100.4
51	34.5	29.5	44.3

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#16

Acetone

Concen: 24.279 ug/l

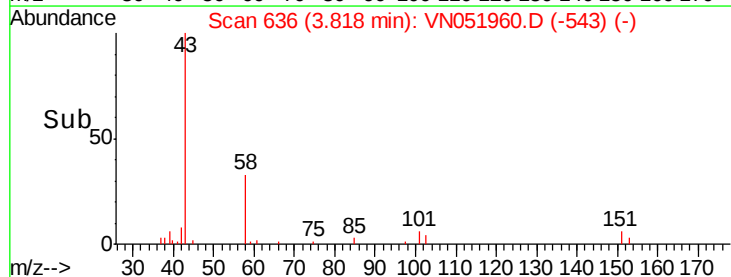
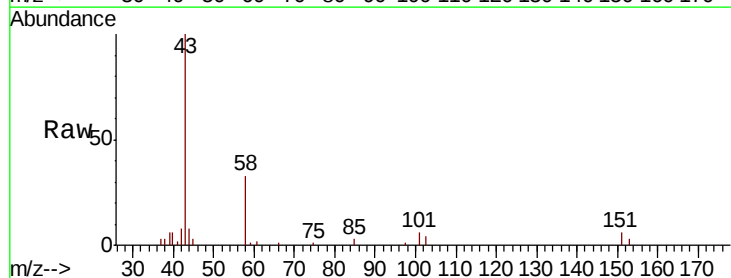
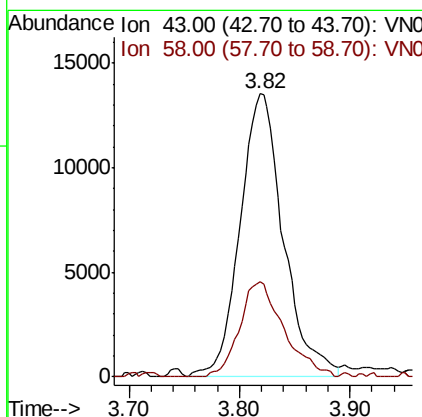
RT: 3.82 min Scan# 636

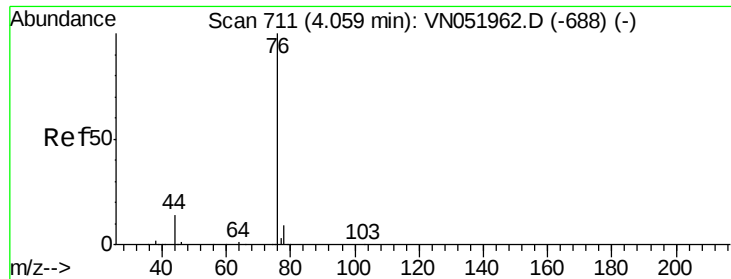
Delta R.T. 0.00 min

Lab File: VN051960.D

Acq: 23 Oct 2018 13:07

Tgt Ion:	43	Resp:	37015
Ion	Ratio	Lower	Upper
43	100		
58	33.5	26.7	40.1





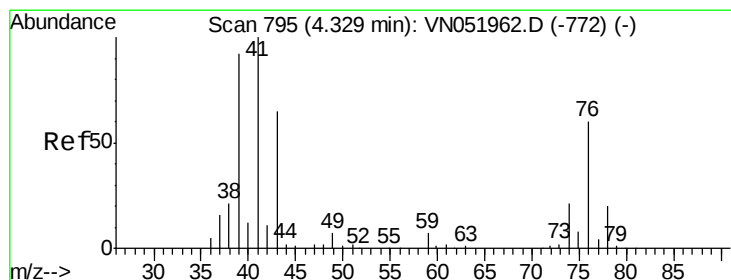
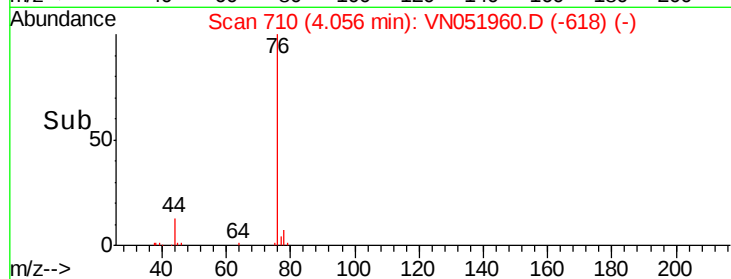
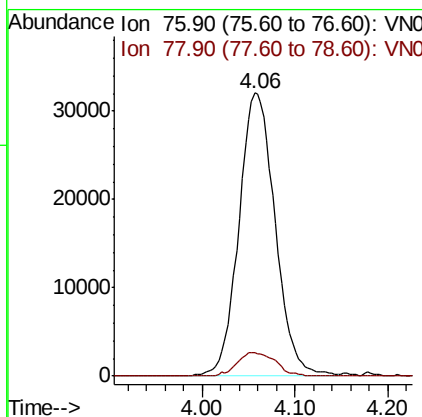
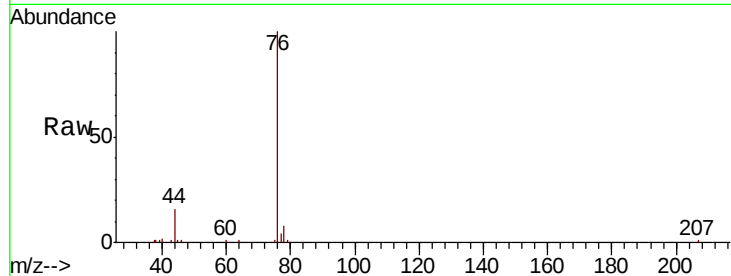
#17
Carbon Disulfide
Concen: 4.821 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN051960.D
Acq: 23 Oct 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.3	10.9

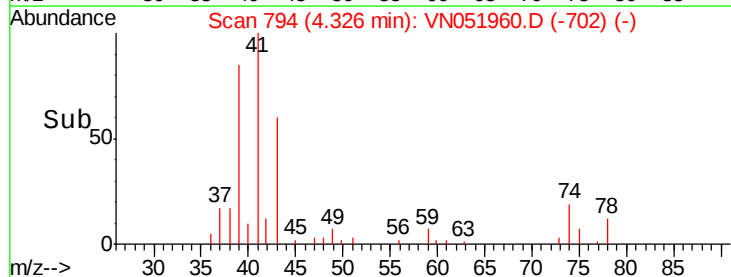
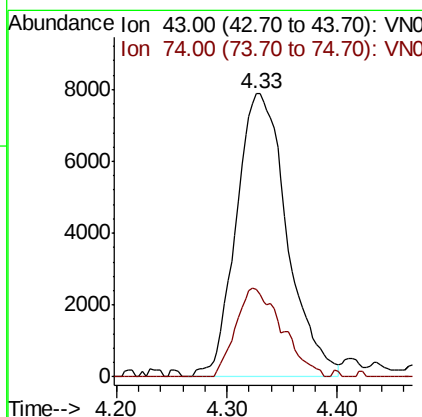
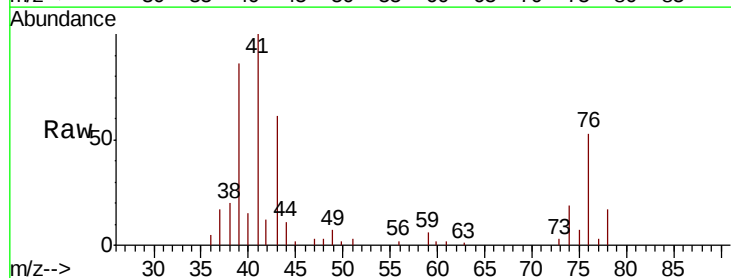
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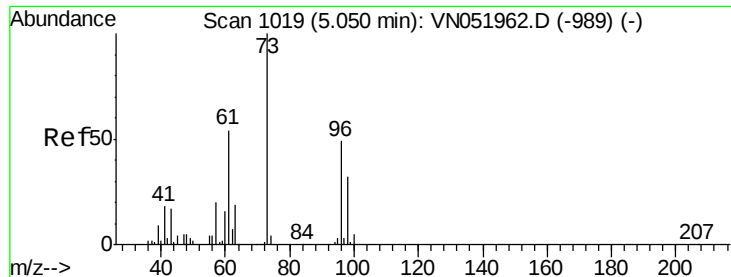
MMDadoda
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#18
Methyl Acetate
Concen: 4.900 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051960.D
Acq: 23 Oct 2018 13:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.5	25.7	38.5





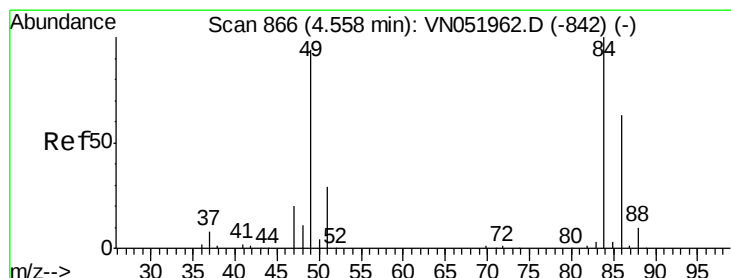
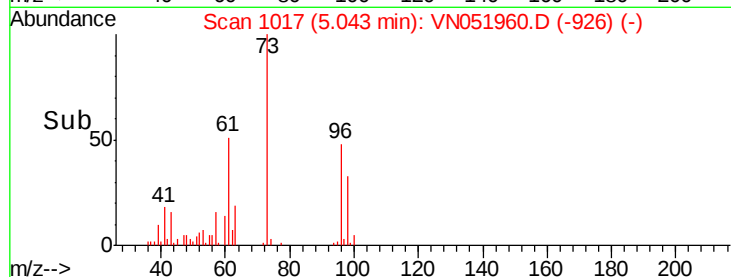
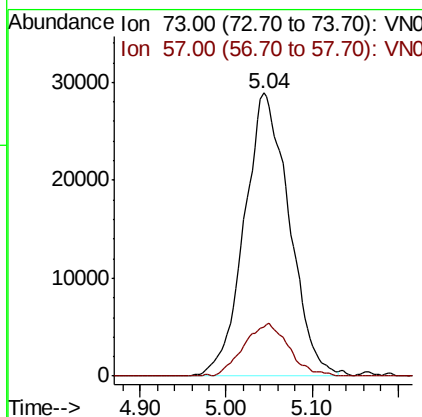
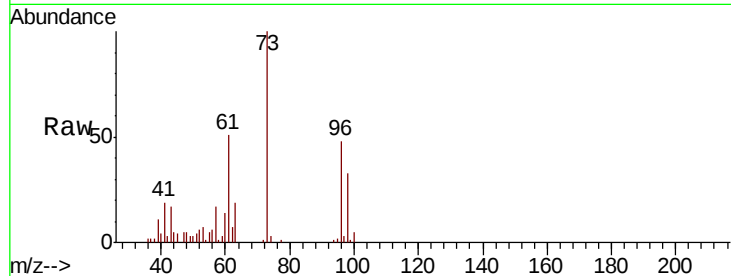
#19
Methvl tert-butvl Ether
Concen: 5.127 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VN051960.D
Acq: 23 Oct 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 104699
Ion Ratio Lower Upper
73 100
57 17.4 15.9 23.9

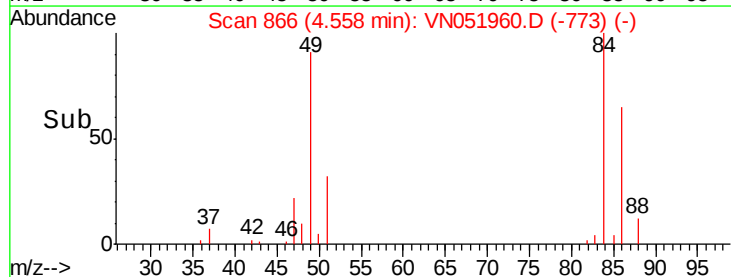
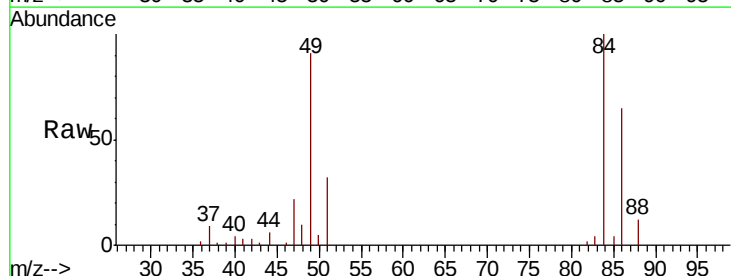
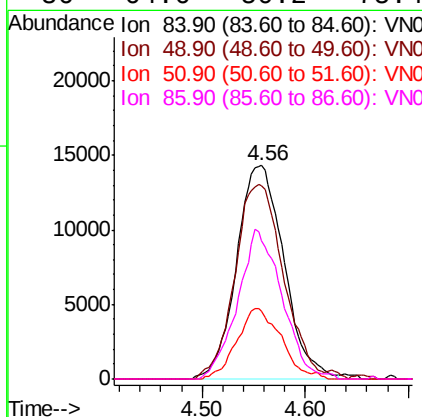
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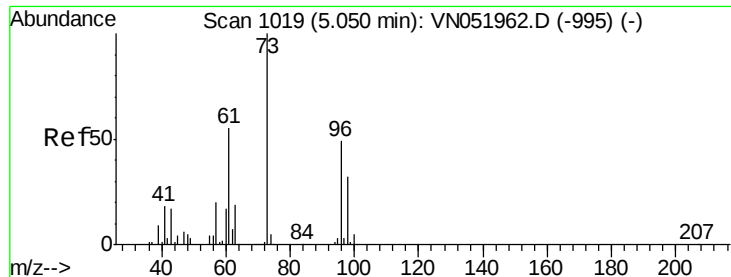
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#20
Methylene Chloride
Concen: 5.106 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN051960.D
Acq: 23 Oct 2018 13:07

Tgt Ion: 84 Resp: 45670
Ion Ratio Lower Upper
84 100
49 90.6 75.4 113.0
51 31.7 23.1 34.7
86 64.6 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 5.182 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN051960.D

Acq: 23 Oct 2018 13:07

Instrument :

MSVOA_N

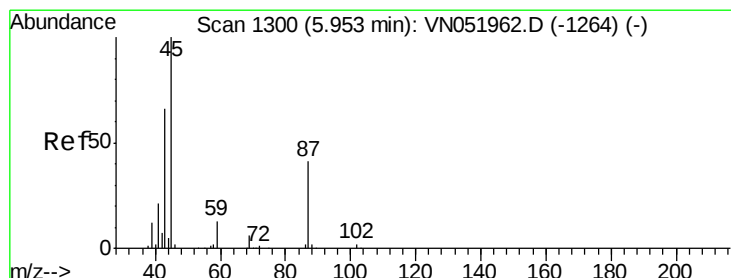
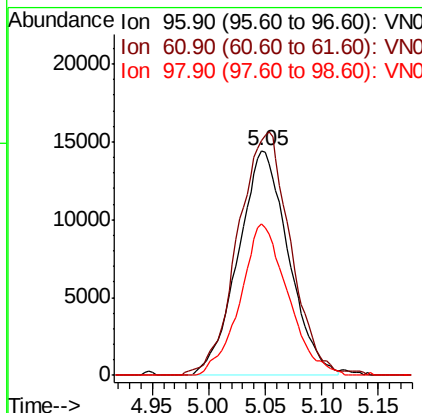
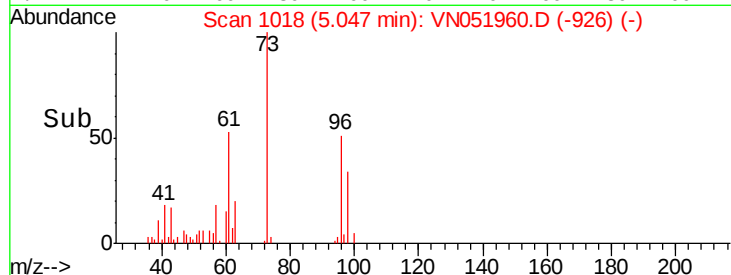
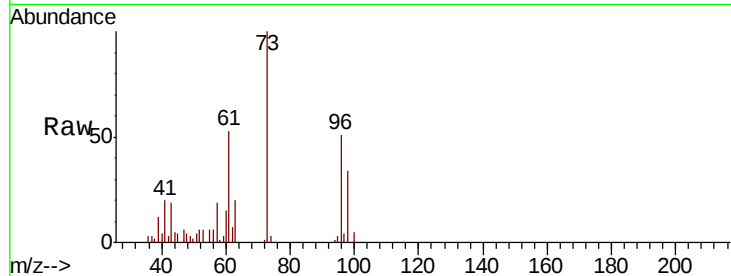
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	44640
Ion	Ratio	Lower	Upper
96	100		
61	102.3	89.0	133.4
98	67.1	51.8	77.8

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#22

Diisopropyl ether

Concen: 5.138 ug/l

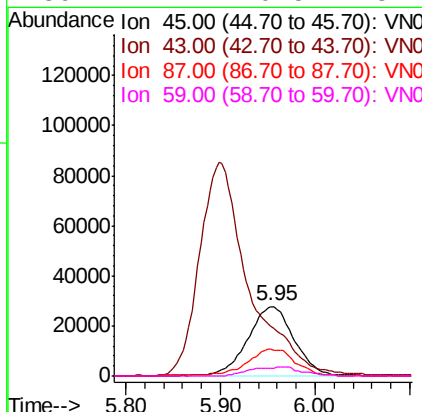
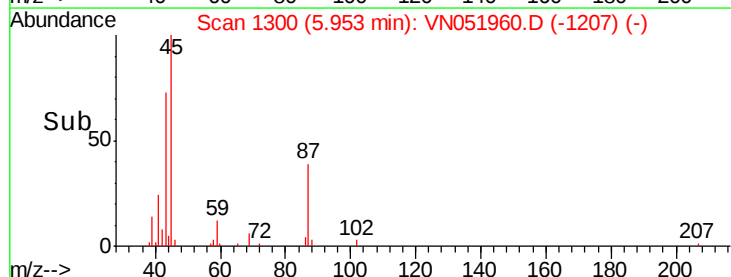
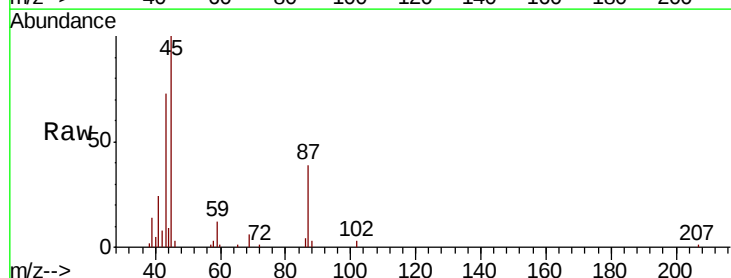
RT: 5.95 min Scan# 1300

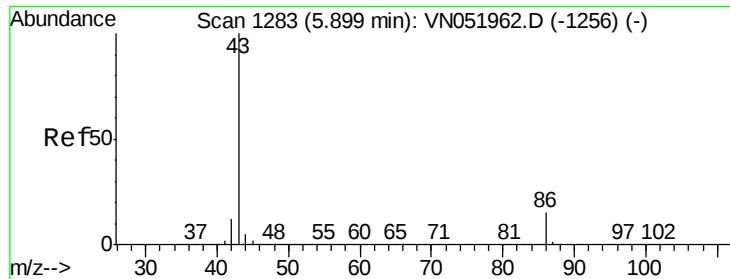
Delta R.T. 0.00 min

Lab File: VN051960.D

Acq: 23 Oct 2018 13:07

Tgt Ion:	45	Resp:	92513
Ion	Ratio	Lower	Upper
45	100		
43	67.0	52.9	79.3
87	38.5	33.4	50.0
59	11.7	10.5	15.7





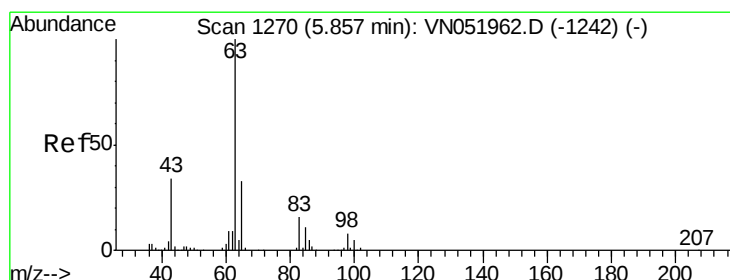
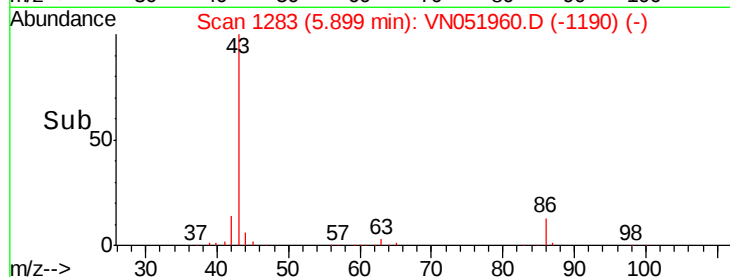
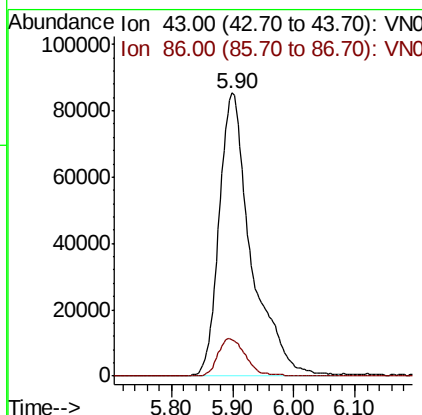
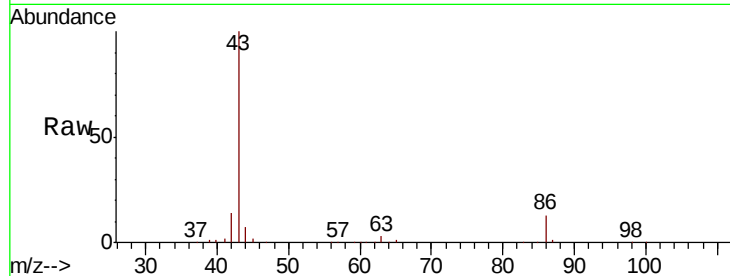
#23
 Vinyl Acetate
 Concen: 24.895 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN051960.D
 Acq: 23 Oct 2018 13:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	43	86	Resp	Lower	Upper
311859	100	12.9		11.9	17.9

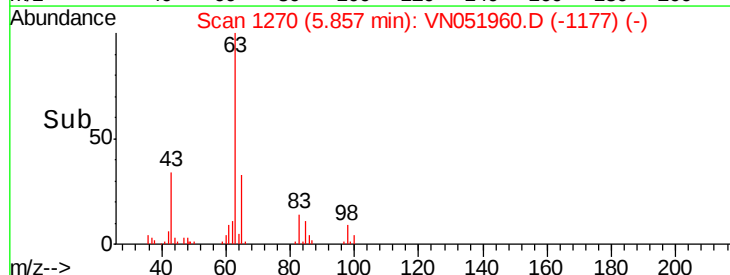
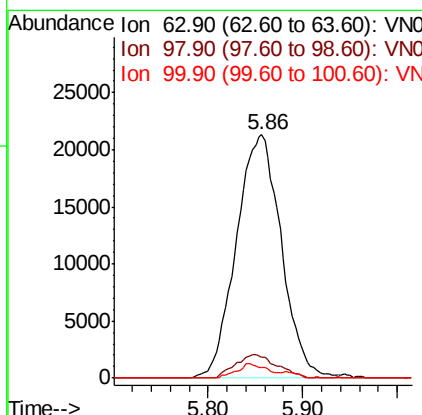
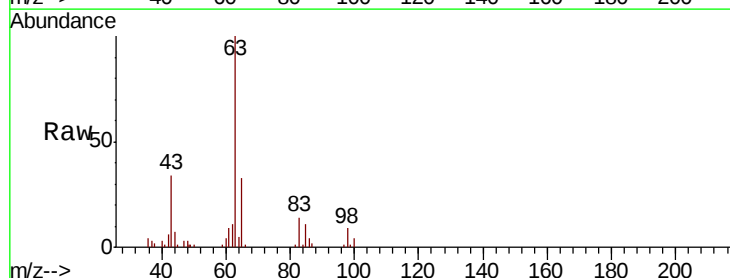
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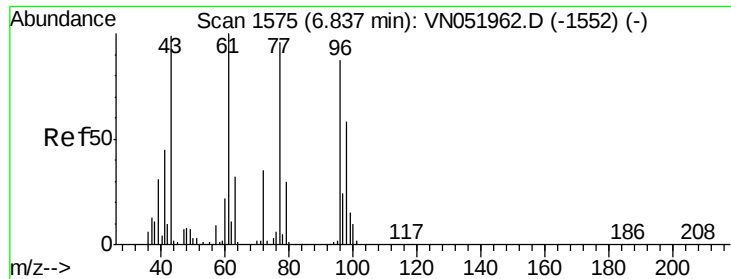
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#24
 1,1-Dichloroethane
 Concen: 5.229 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VN051960.D
 Acq: 23 Oct 2018 13:07

Tgt Ion	63	98	100	Resp	Lower	Upper
70297	100	8.5	4.4		3.9	11.7
					2.6	8.0





#25

2-Butanone

Concen: 26.201 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN051960.D

Acq: 23 Oct 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 56946

Ion Ratio Lower Upper

43 100

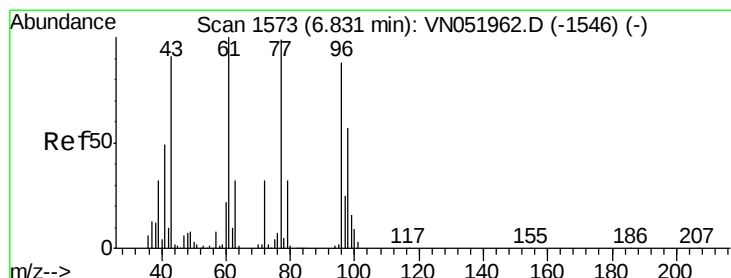
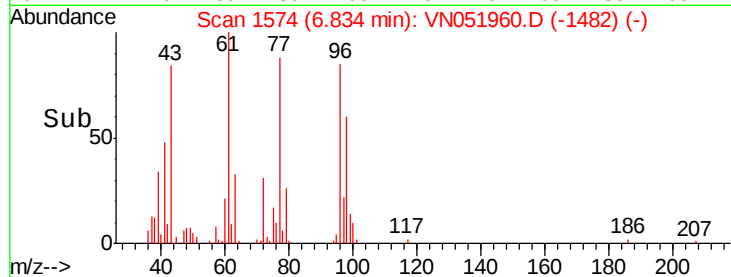
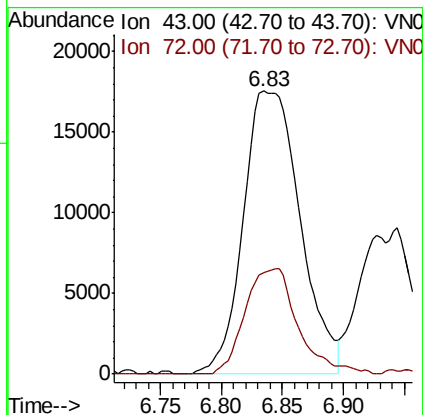
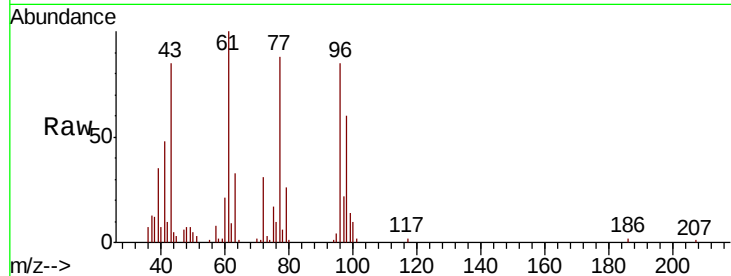
72 35.9 28.5 42.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 5.076 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051960.D

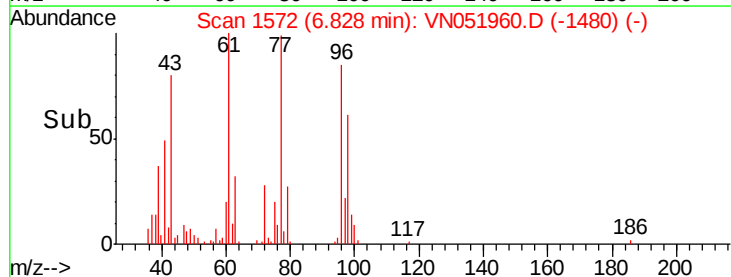
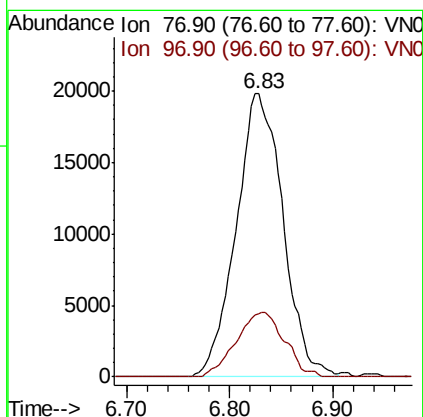
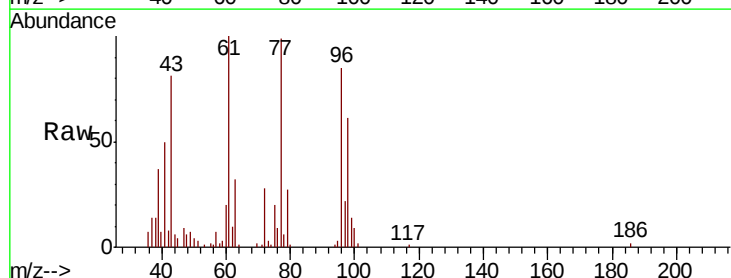
Acq: 23 Oct 2018 13:07

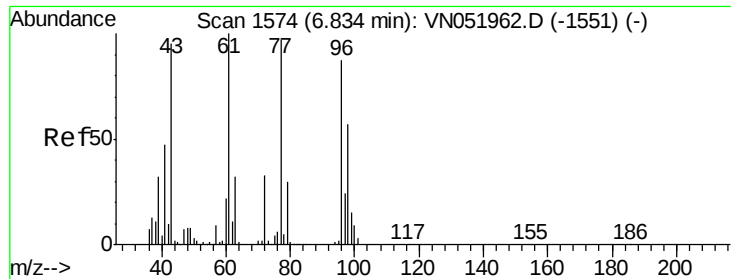
Tgt Ion: 77 Resp: 62444

Ion Ratio Lower Upper

77 100

97 23.5 12.6 37.6





#27

cis-1,2-Dichloroethene

Concen: 5.262 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051960.D

Acq: 23 Oct 2018 13:07

Instrument :

MSVOA_N

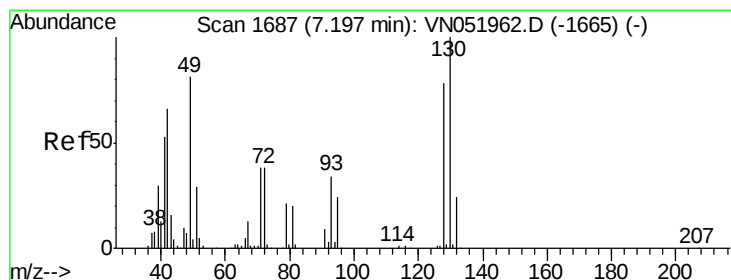
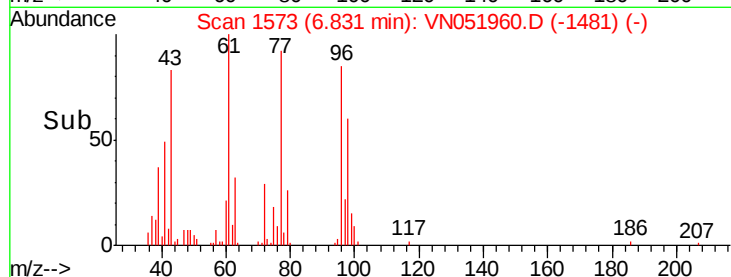
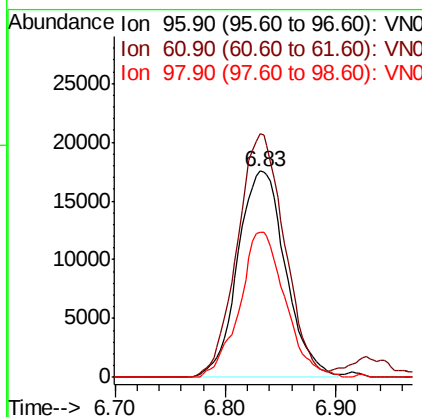
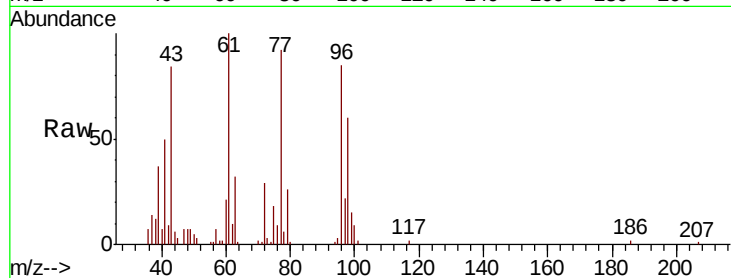
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	52721
Ion	Ratio	Lower	Upper
96	100		
61	116.5	0.0	234.4
98	66.8	0.0	131.6

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#28

Bromochloromethane

Concen: 5.099 ug/l

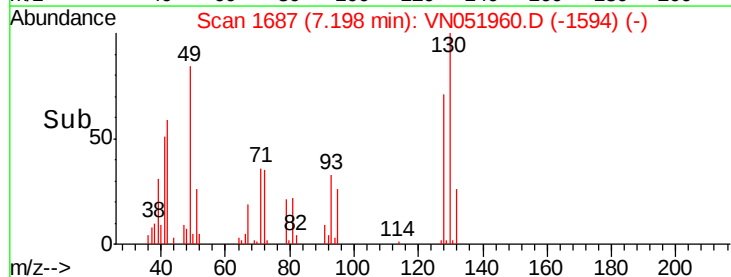
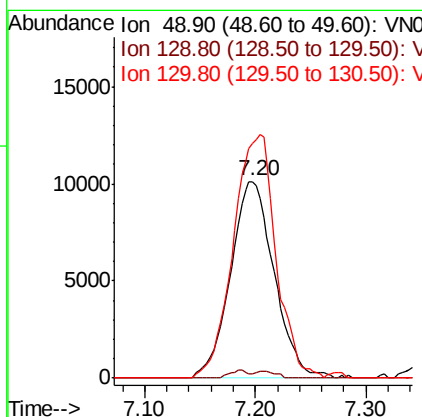
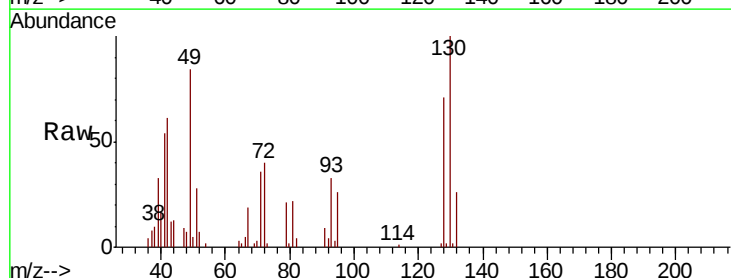
RT: 7.20 min Scan# 1687

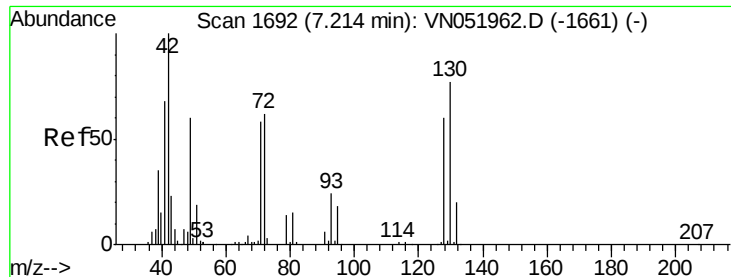
Delta R.T. 0.00 min

Lab File: VN051960.D

Acq: 23 Oct 2018 13:07

Tgt Ion:	49	Resp:	27630
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	5.4
130	121.1	97.0	145.6





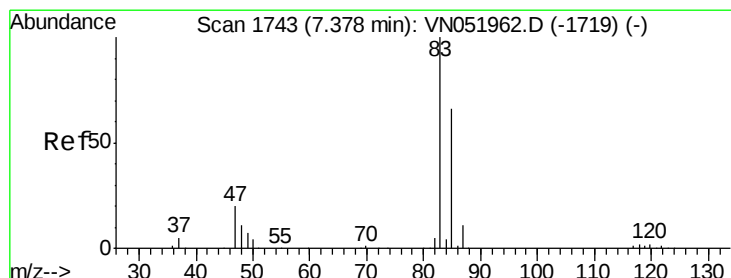
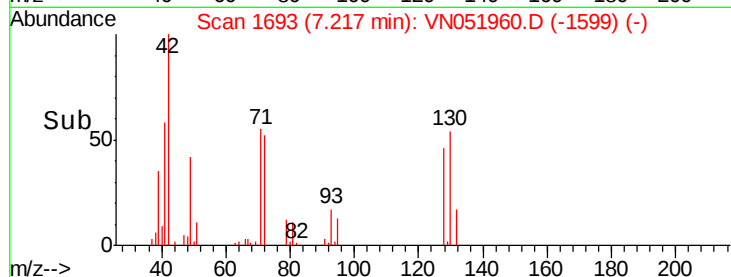
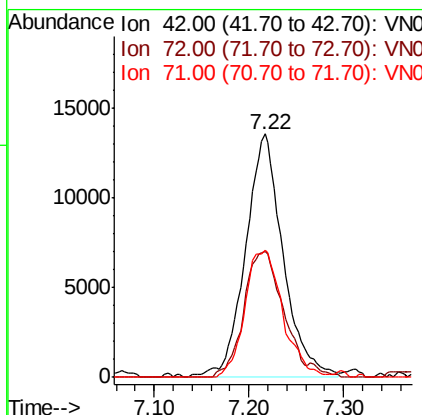
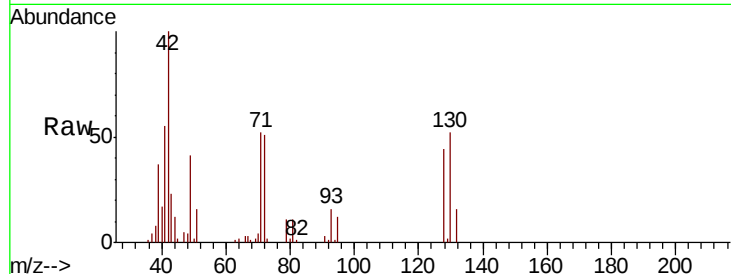
#29
Tetrahydrofuran
Concen: 25.380 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051960.D
Acq: 23 Oct 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	53.7	47.5	71.3
71	52.8	45.4	68.2

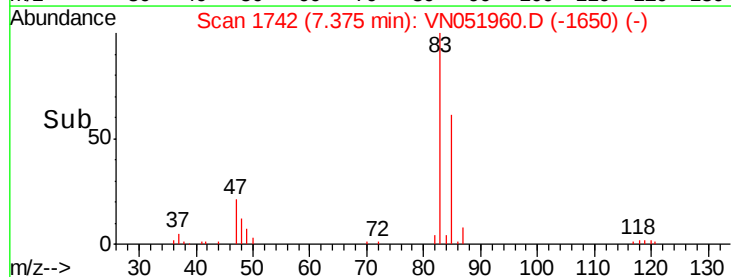
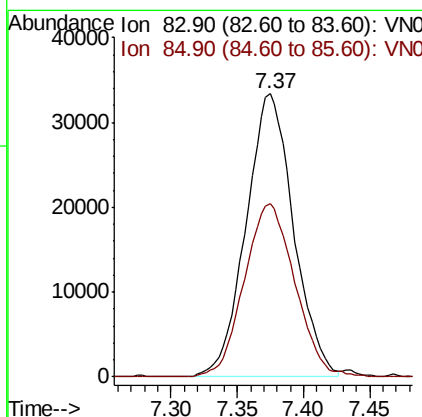
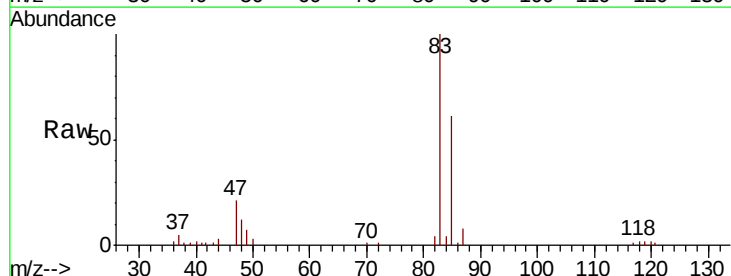
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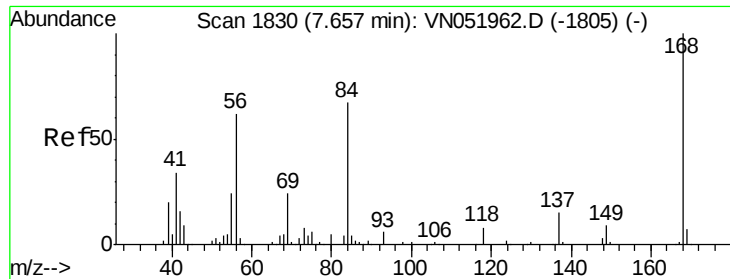
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#30
Chloroform
Concen: 5.090 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051960.D
Acq: 23 Oct 2018 13:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.2	52.8	79.2





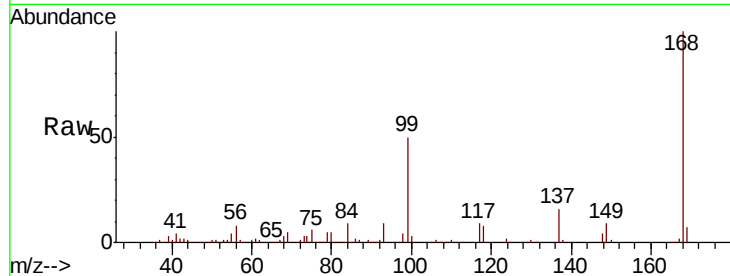
#31
Cyclohexane
Concen: 5.030 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN051960.D
Acq: 23 Oct 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	61.9	31.2	46.8#
84	111.4	86.3	129.5

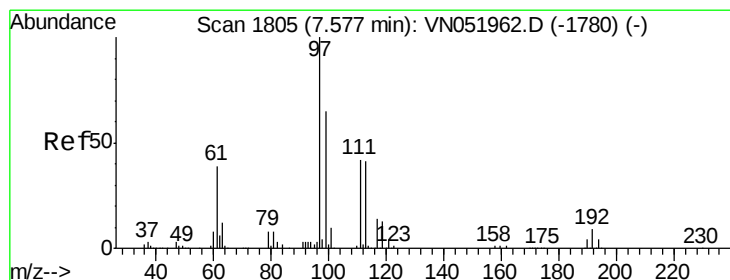
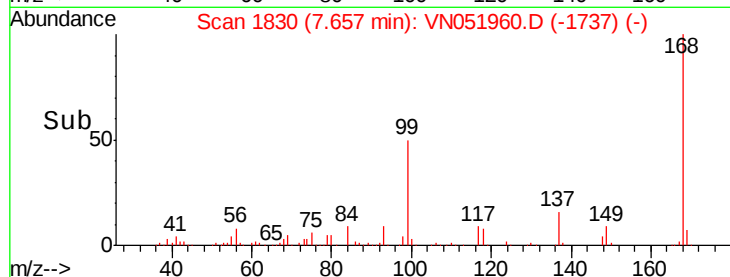
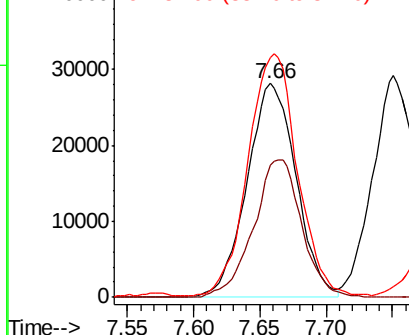
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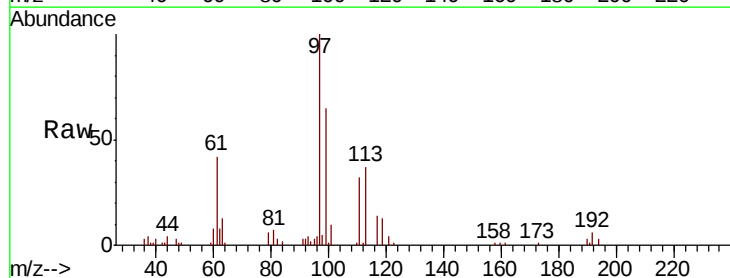
Abundance

Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



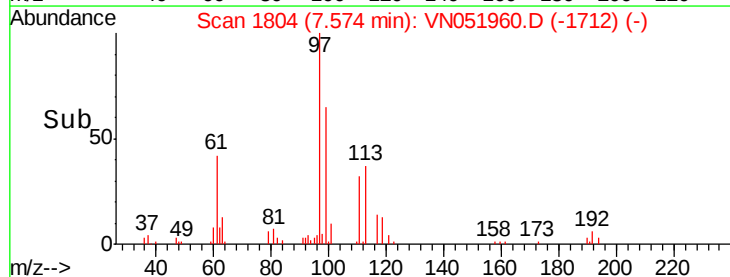
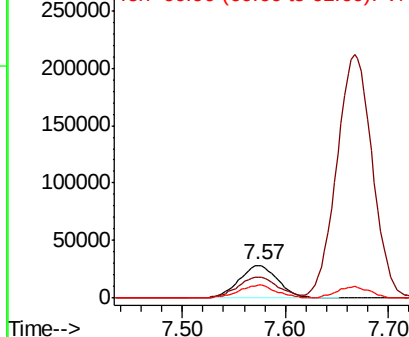
#32
1,1,1-Trichloroethane
Concen: 5.007 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN051960.D
Acq: 23 Oct 2018 13:07

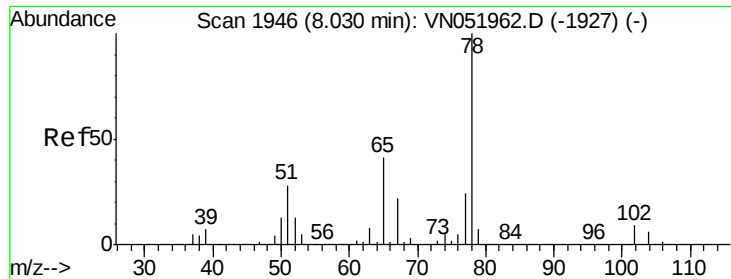
Tgt Ion	Ratio	Lower	Upper
97	100		
61	66.6	51.5	77.3
113	38.9	30.1	45.1



Abundance

Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





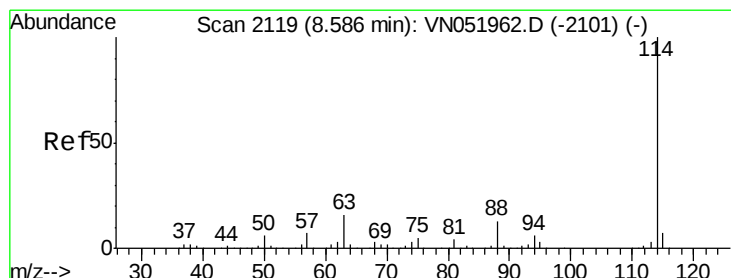
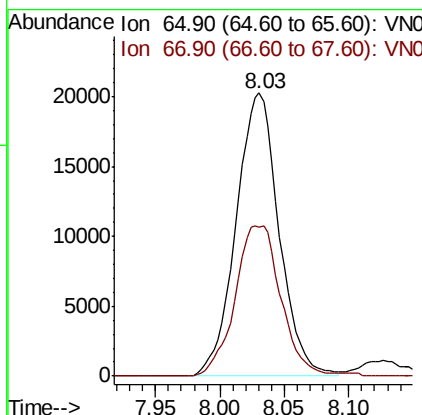
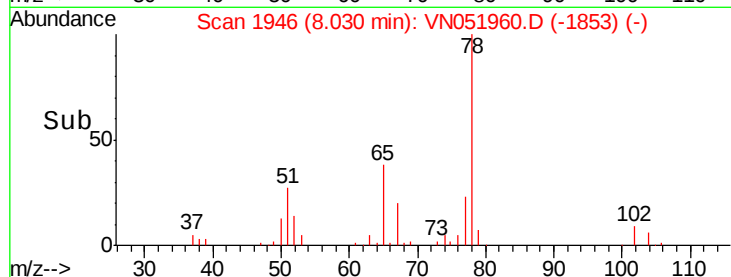
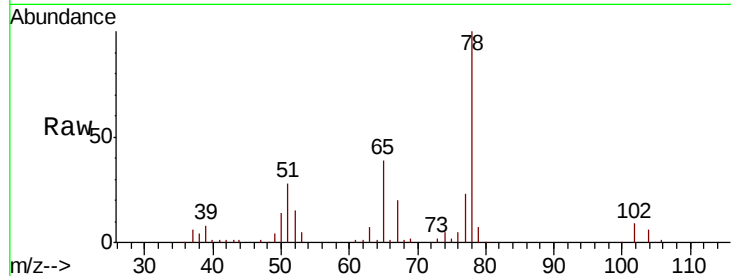
#33
 1,2-Dichloroethane-d4
 Concen: 5.007 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051960.D
 Acq: 23 Oct 2018 13:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	46940		
67	56.7	0.0	105.8	

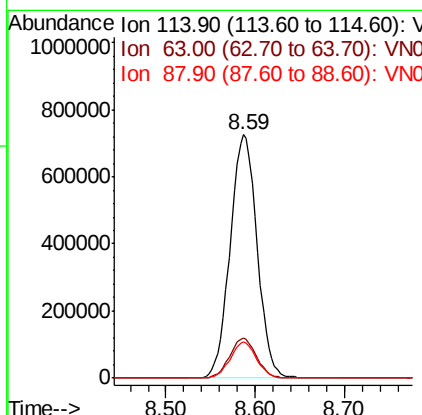
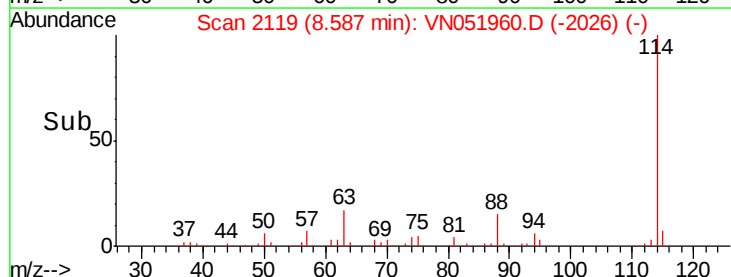
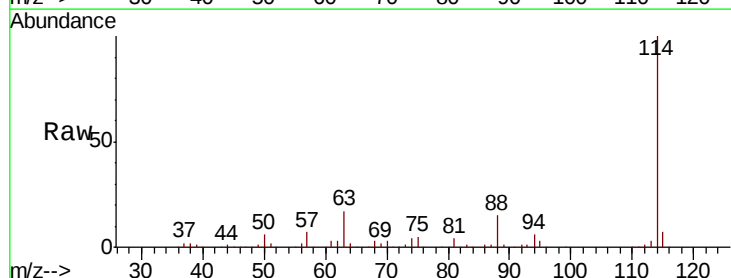
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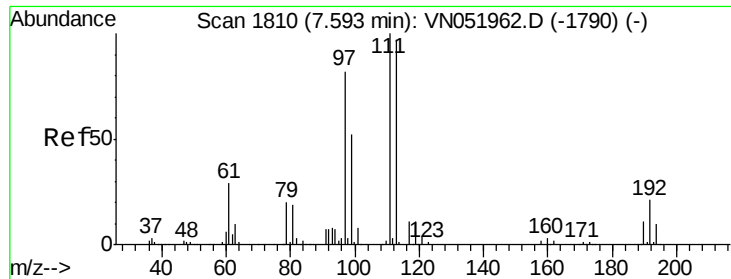
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051960.D
 Acq: 23 Oct 2018 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1515421		
63	16.5	0.0	31.2	
88	14.7	0.0	27.0	





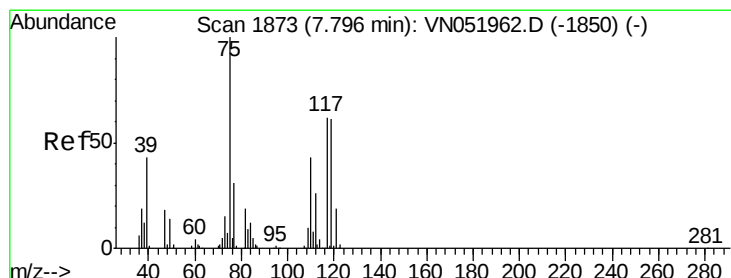
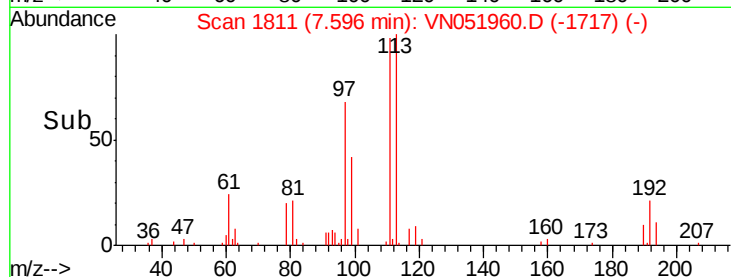
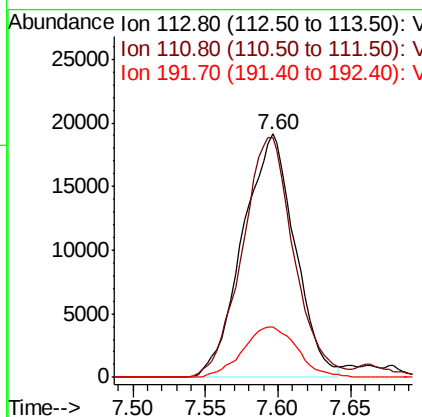
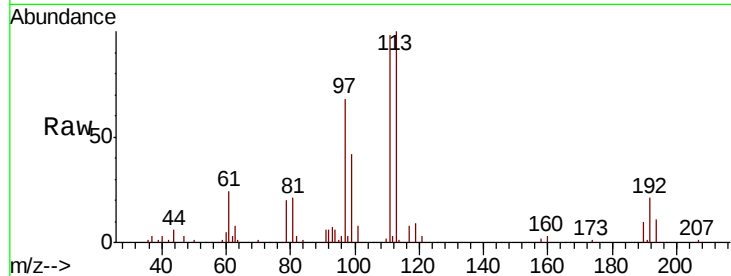
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.60 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VN051960.D
 Acq: 23 Oct 2018 13:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	97.6	80.7	121.1
192	21.5	17.2	25.8

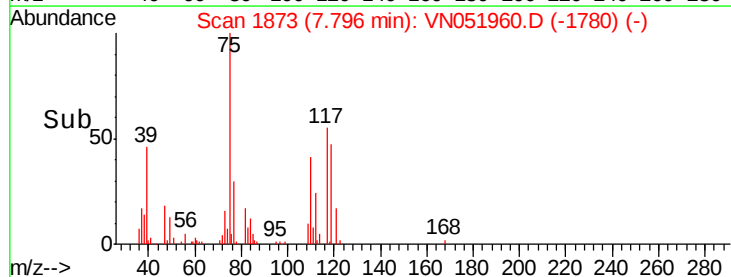
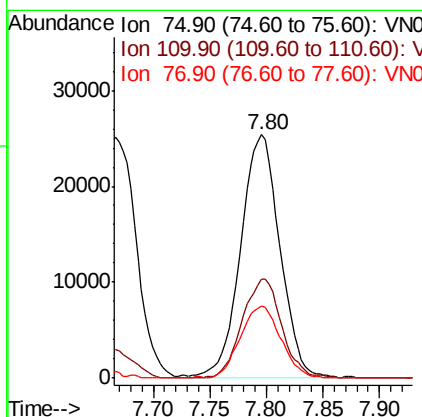
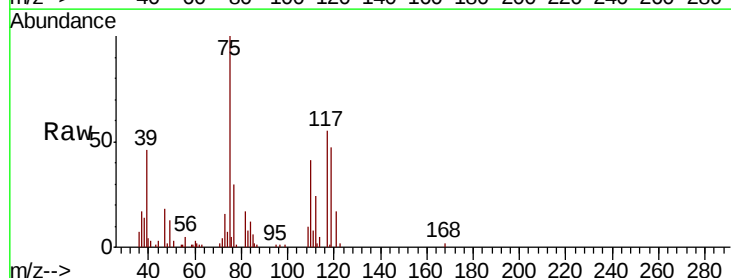
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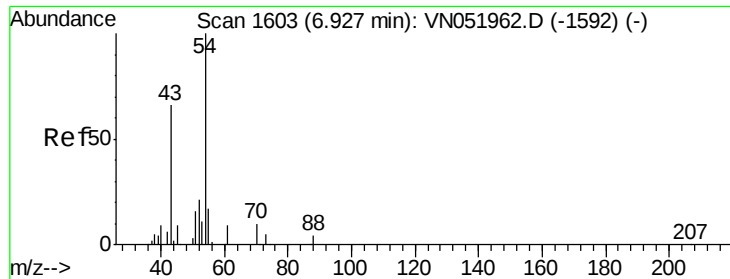
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#36
 1,1-Dichloropropene
 Concen: 5.285 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051960.D
 Acq: 23 Oct 2018 13:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	41.0	20.9	62.8
77	30.4	24.9	37.3





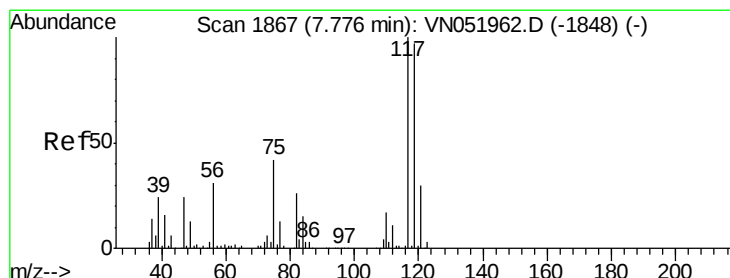
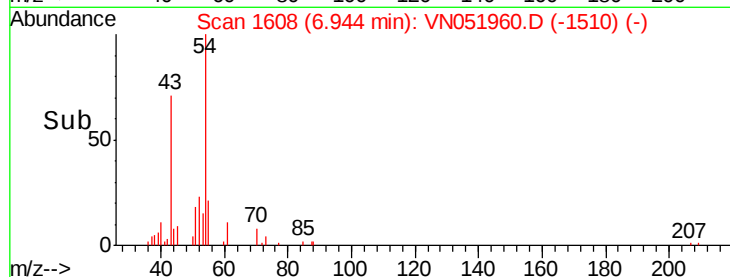
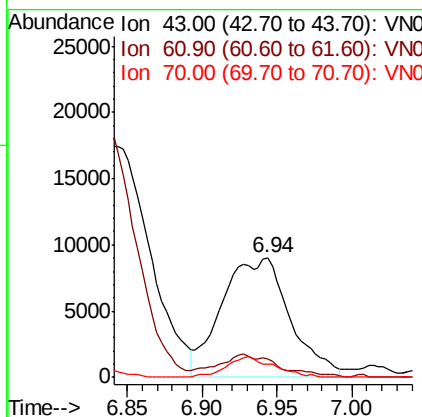
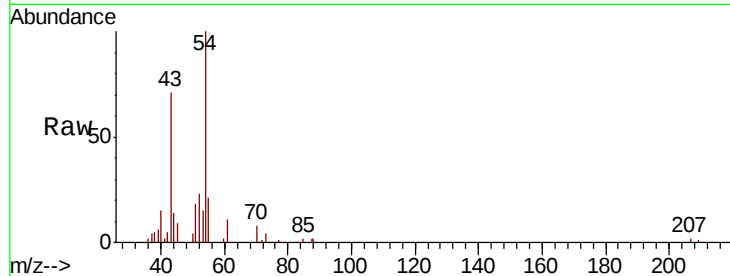
#37
Ethyl Acetate
Concen: 5.618 ug/l m
RT: 6.94 min Scan# 1608
Delta R.T. 0.02 min
Lab File: VN051960.D
Acq: 23 Oct 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.6	13.5	20.3
70	12.1	9.8	14.6

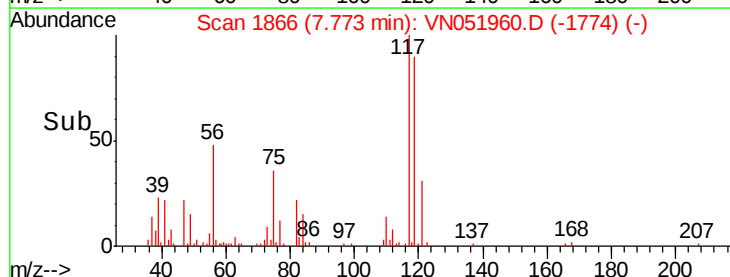
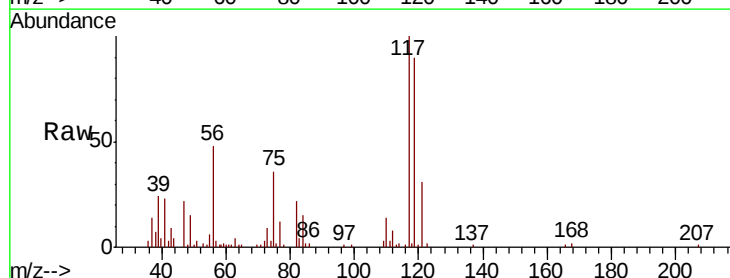
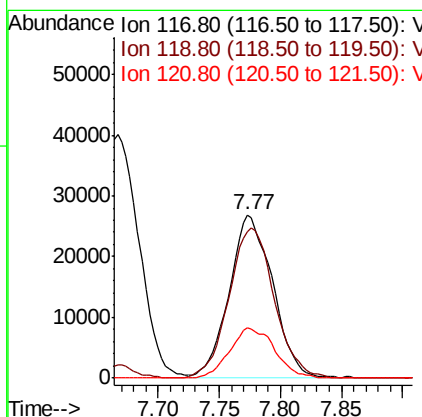
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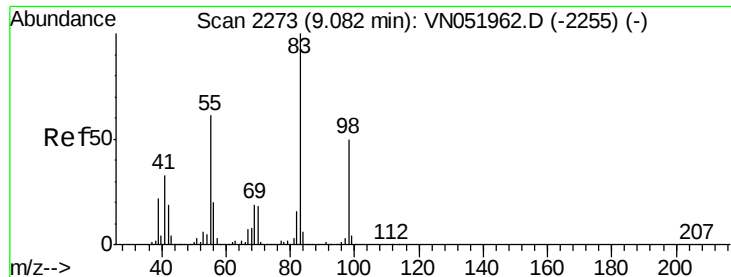
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#38
Carbon Tetrachloride
Concen: 4.986 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051960.D
Acq: 23 Oct 2018 13:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.0	77.4	116.0
121	31.1	24.2	36.4





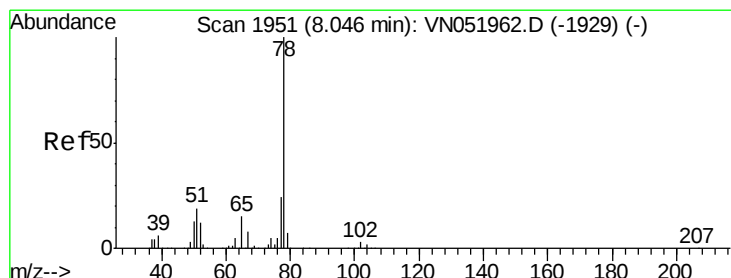
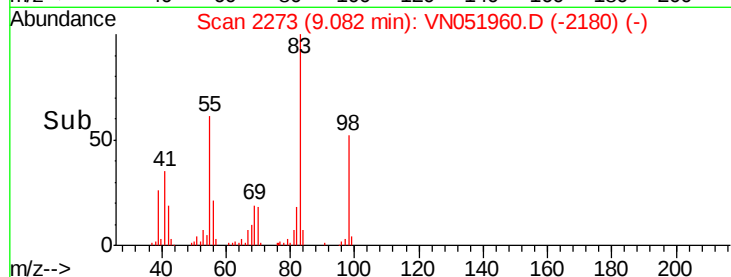
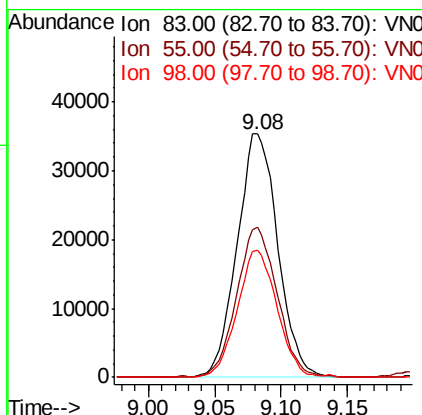
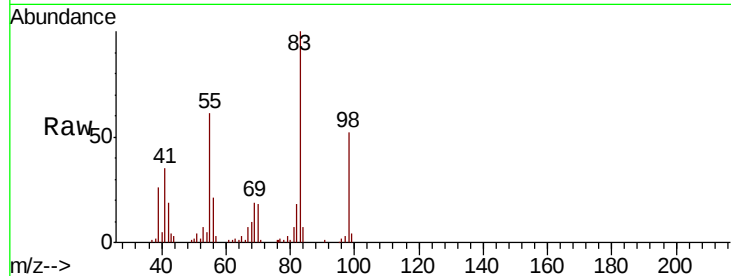
#39
Methvlcvclohexane
Concen: 5.316 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051960.D
Acq: 23 Oct 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	61.4	48.9	73.3
98	52.3	40.2	60.2

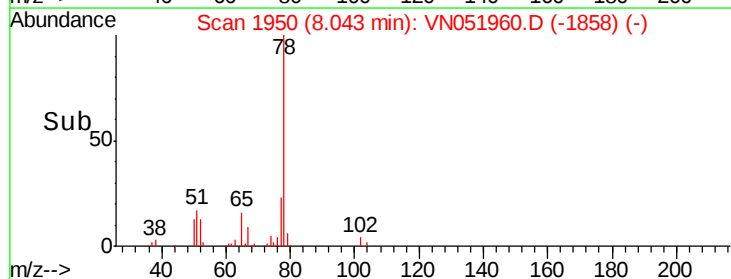
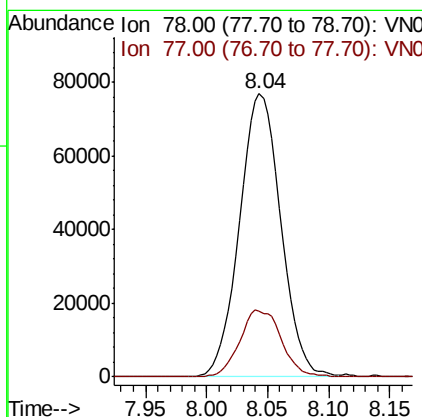
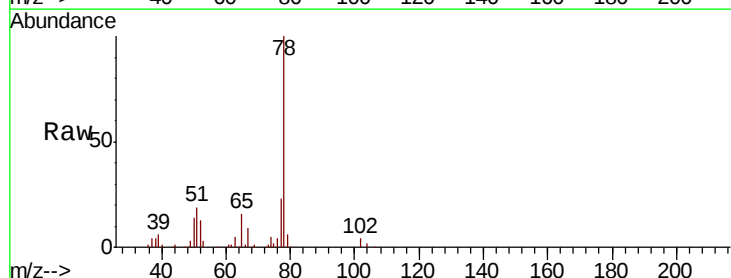
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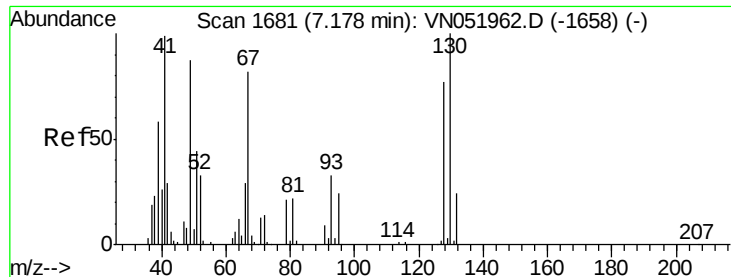
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#40
Benzene
Concen: 5.229 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051960.D
Acq: 23 Oct 2018 13:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.4	29.0





#41

Methacrylonitrile

Concen: 4.729 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.01 min

Lab File: VN051960.D

Acq: 23 Oct 2018 13:07

Instrument :

MSVOA_N

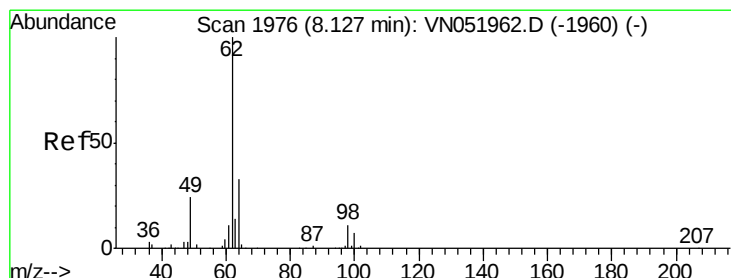
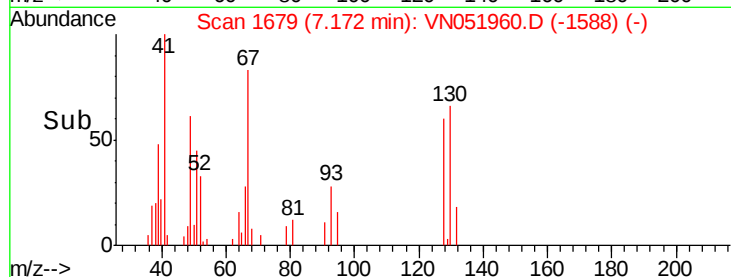
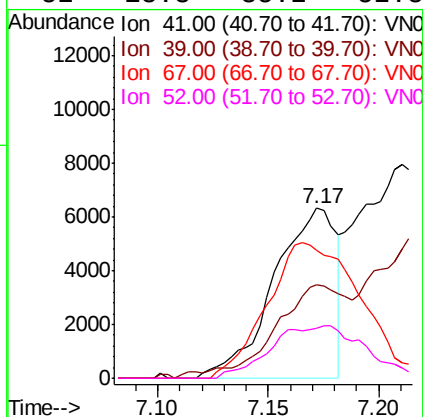
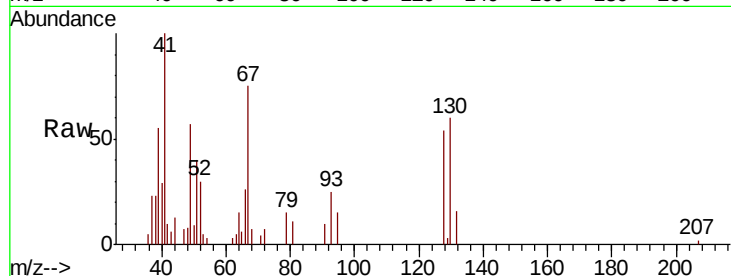
ClientSampleId :

VSTDIC005

Tot Ion:	41	Resp:	12354
Ion	Ratio	Lower	Upper
41	100		
39	64.7	53.1	79.7
67	122.0	93.8	140.6
52	18.3	35.2	52.8#

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#42

1,2-Dichloroethane

Concen: 5.353 ug/l

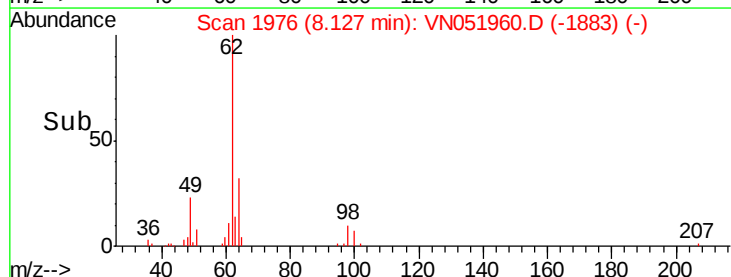
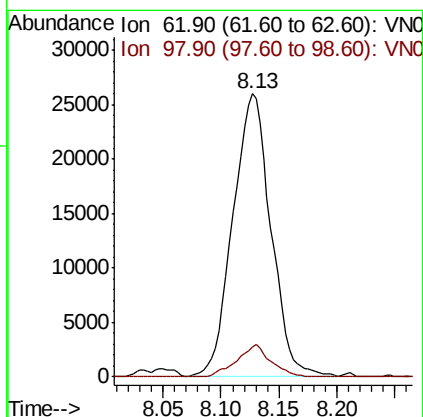
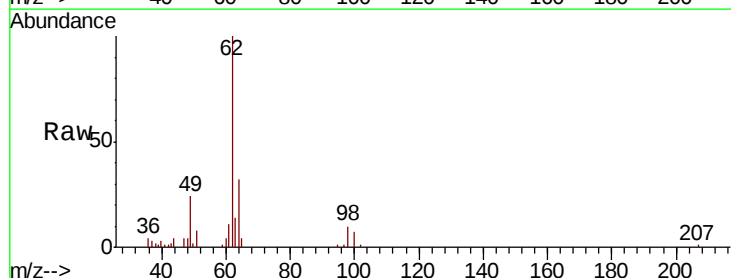
RT: 8.13 min Scan# 1976

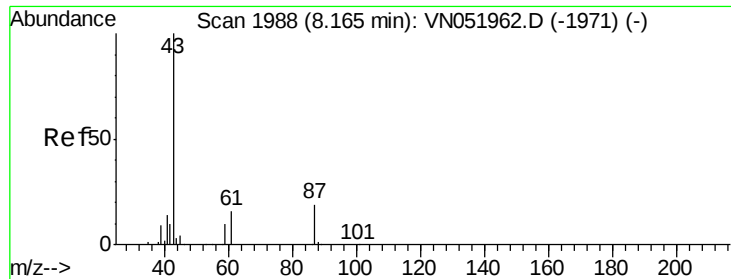
Delta R.T. 0.00 min

Lab File: VN051960.D

Acq: 23 Oct 2018 13:07

Tgt Ion:	62	Resp:	59241
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.6





#43

Isopropyl Acetate

Concen: 4.948 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN051960.D

Acq: 23 Oct 2018 13:07

Instrument :

MSVOA_N

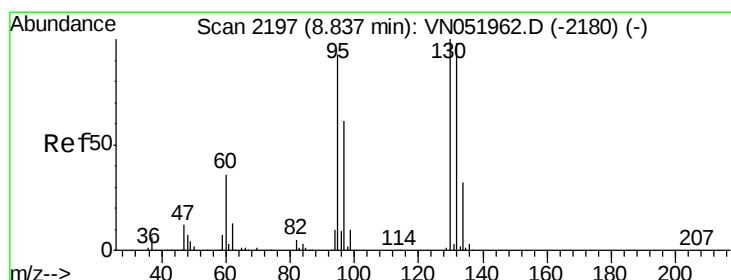
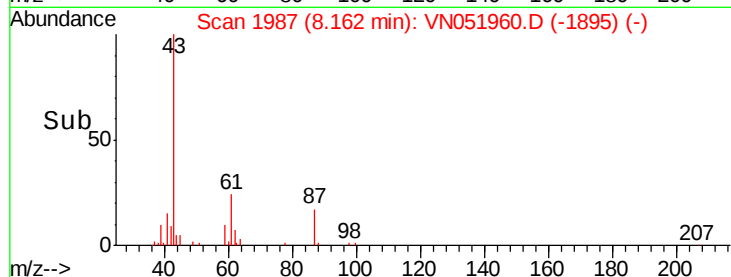
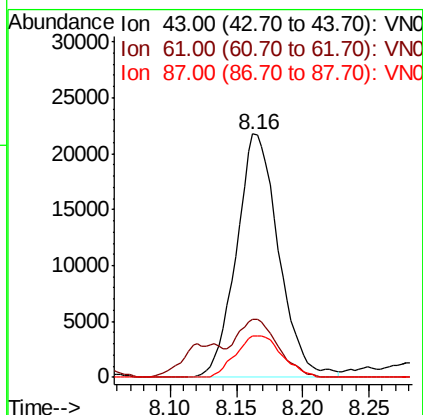
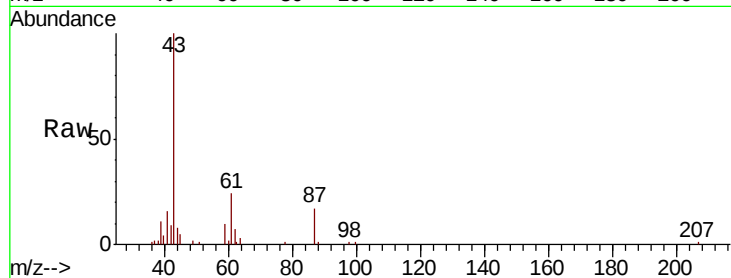
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	48167
Ion	Ratio	Lower	Upper
43	100		
61	23.3	17.2	25.8
87	18.5	15.2	22.8

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#44

Trichloroethene

Concen: 5.230 ug/l

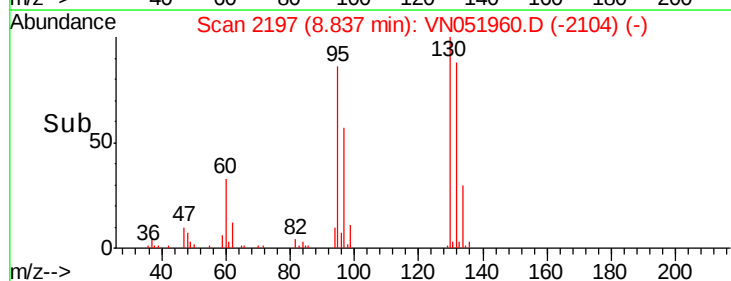
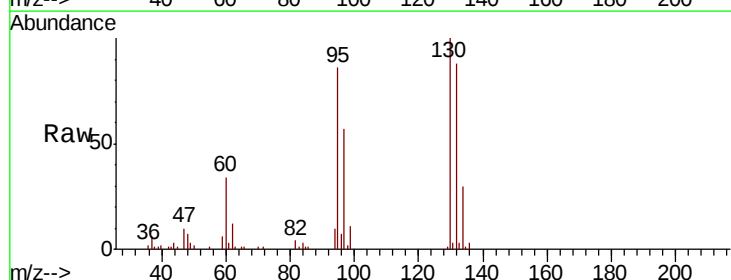
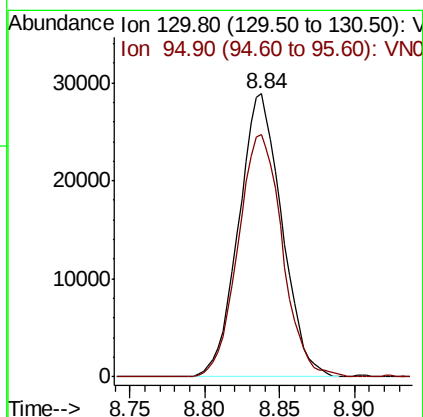
RT: 8.84 min Scan# 2197

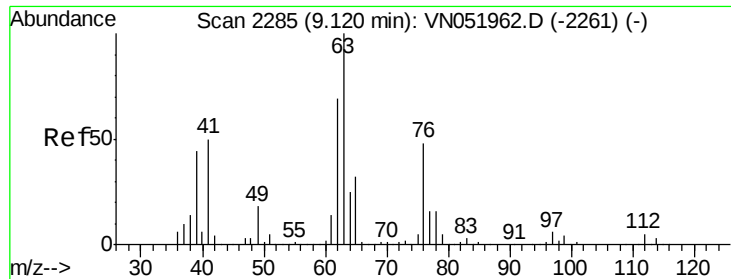
Delta R.T. 0.00 min

Lab File: VN051960.D

Acq: 23 Oct 2018 13:07

Tgt Ion:	130	Resp:	57945
Ion	Ratio	Lower	Upper
130	100		
95	85.8	0.0	185.2





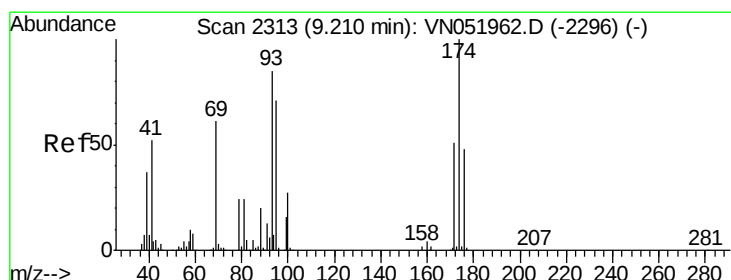
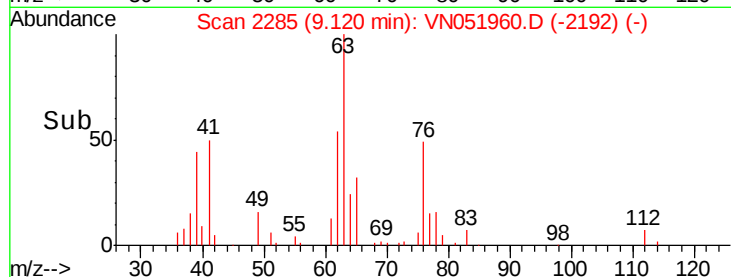
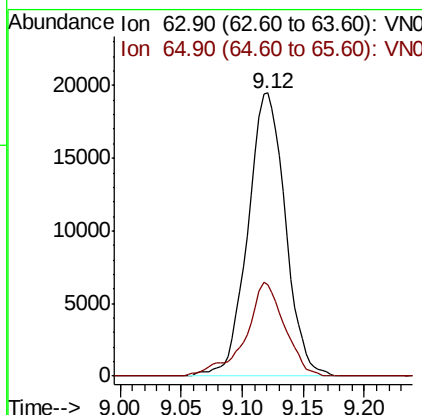
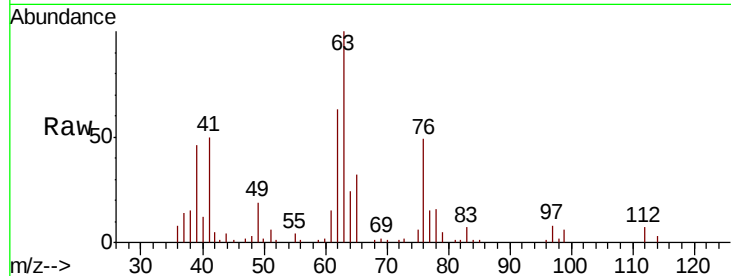
#45
 1,2-Dichloropropane
 Concen: 5.298 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051960.D
 Acq: 23 Oct 2018 13:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.8	38.6

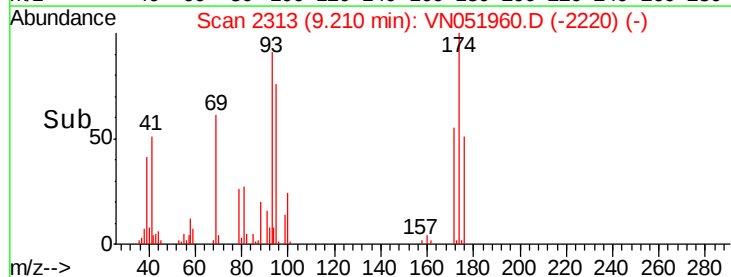
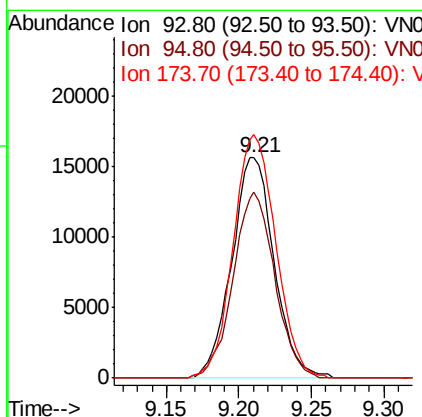
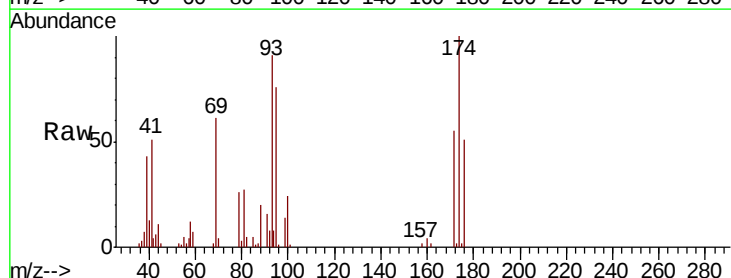
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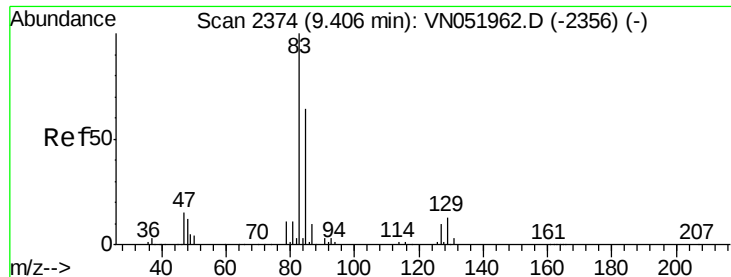
MMDadoda
 10/24/2018 10:09:09 AM



#46
 Dibromomethane
 Concen: 5.064 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051960.D
 Acq: 23 Oct 2018 13:07

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	66.7	100.1
174	110.9	93.8	140.6





#47

Bromodichloromethane

Concen: 4.754 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051960.D

Acq: 23 Oct 2018 13:07

Instrument :

MSVOA_N

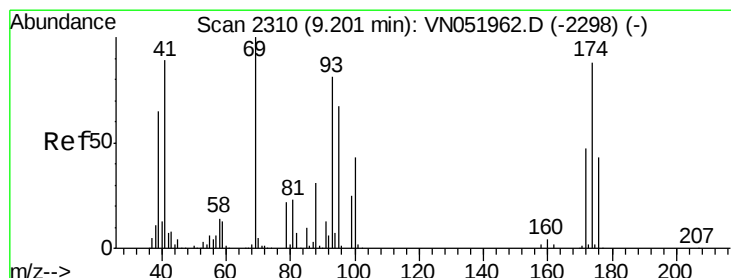
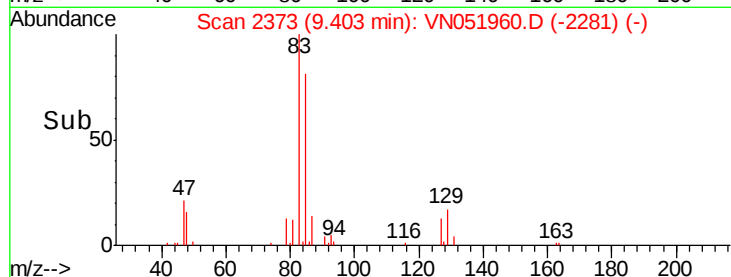
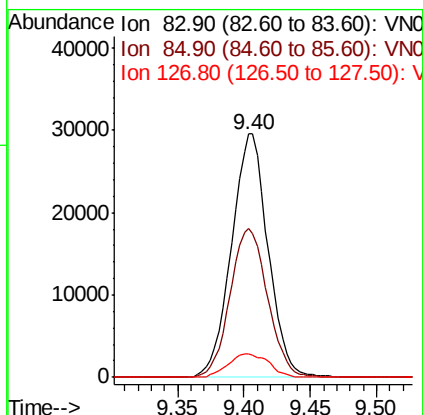
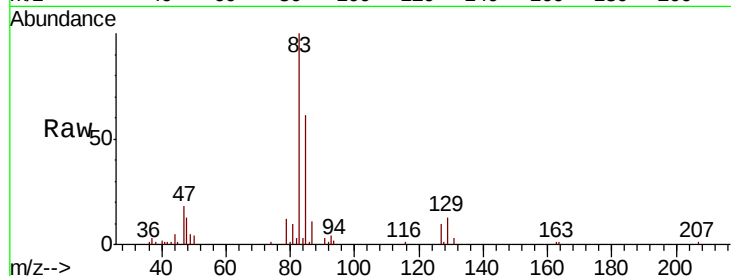
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	56503
Ion Ratio	Lower	Upper	
83	100		
85	61.0	51.0	76.4
127	9.8	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 4.986 ug/l

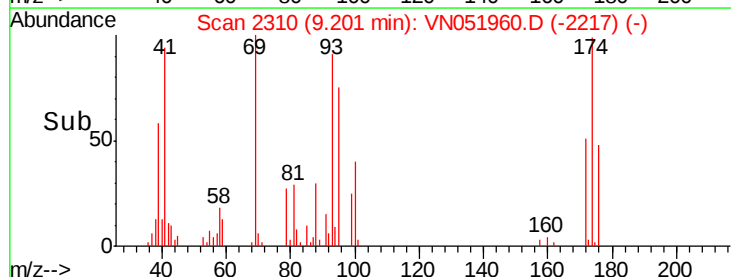
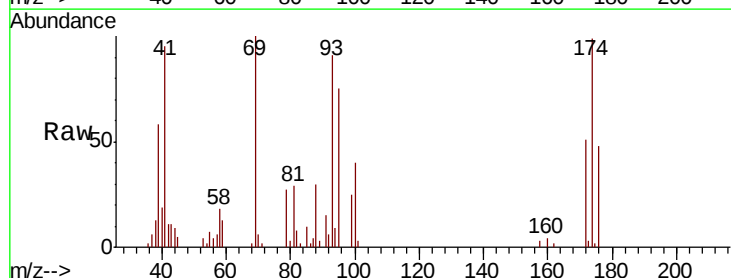
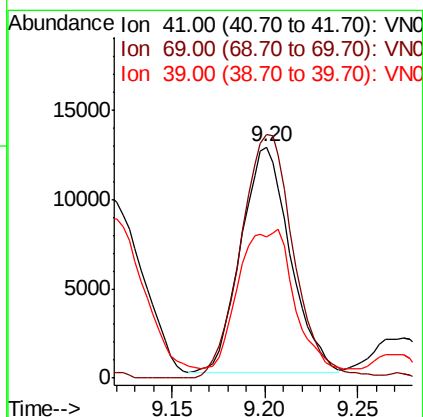
RT: 9.20 min Scan# 2310

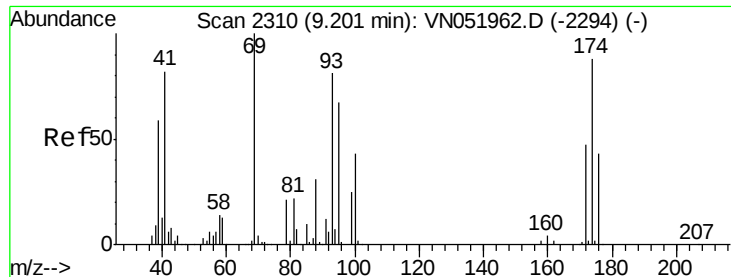
Delta R.T. 0.00 min

Lab File: VN051960.D

Acq: 23 Oct 2018 13:07

Tgt Ion:	41	Resp:	23463
Ion Ratio	Lower	Upper	
41	100		
69	115.7	92.2	138.4
39	74.7	60.2	90.4





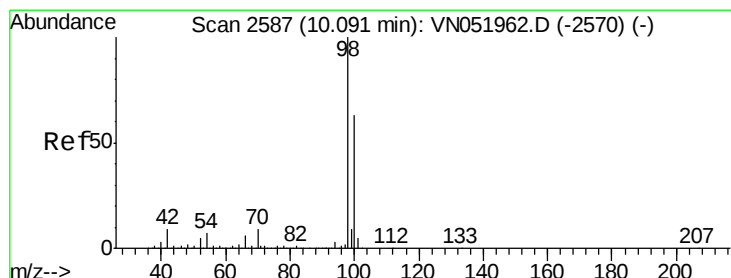
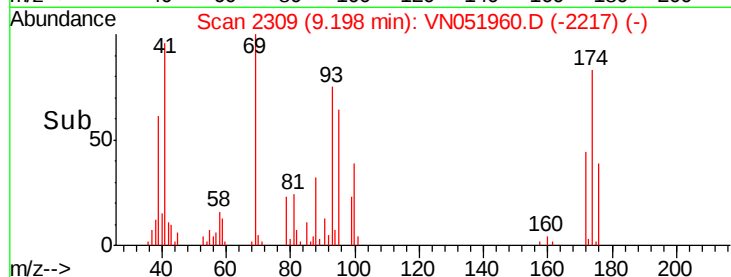
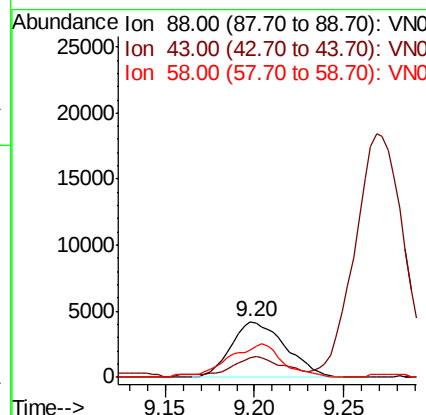
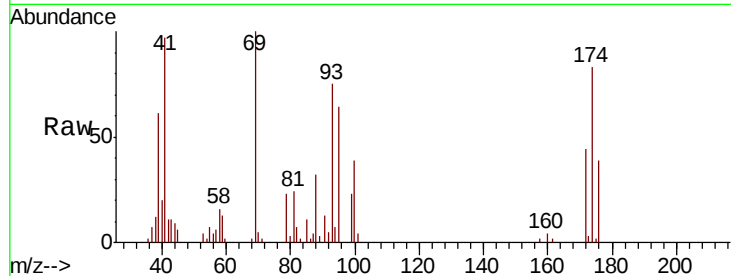
#49
1,4-Dioxane
Concen: 103.403 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN051960.D
Acq: 23 Oct 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.4	18.8	28.2#
58	58.3	39.8	59.6

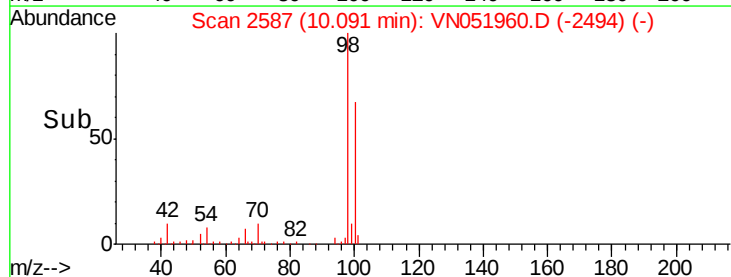
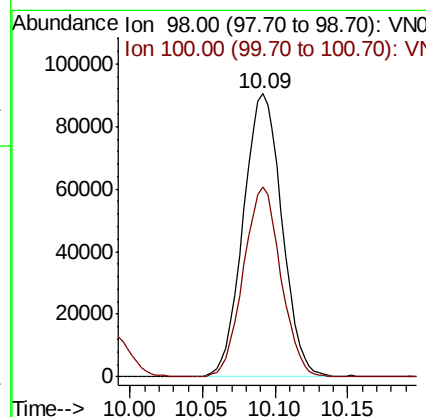
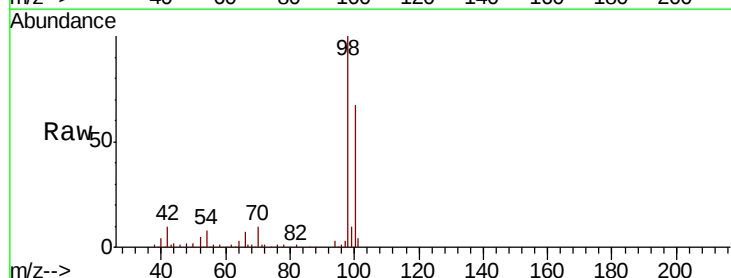
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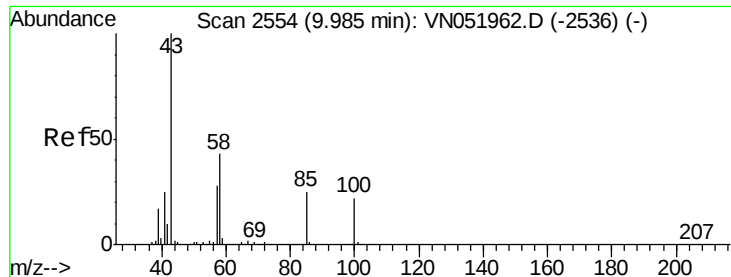
MMDadoda
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#50
Toluene-d8
Concen: 103.403 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051960.D
Acq: 23 Oct 2018 13:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 24.452 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN051960.D

Acq: 23 Oct 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 130942

Ion Ratio Lower Upper

43 100

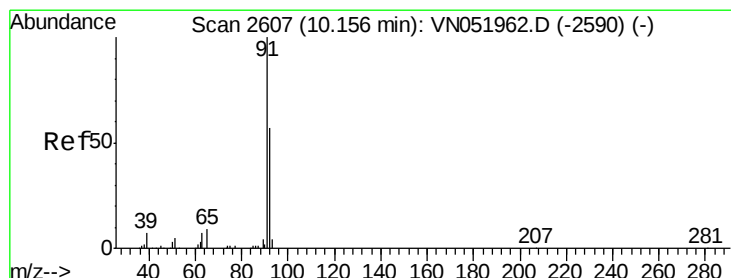
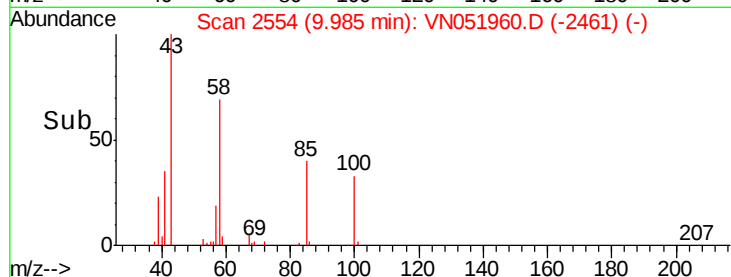
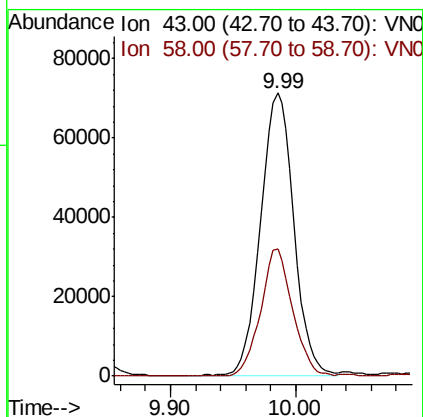
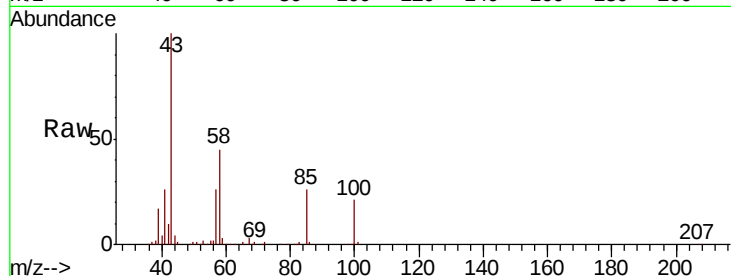
58 43.3 34.8 52.2

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#52

Toluene

Concen: 5.042 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051960.D

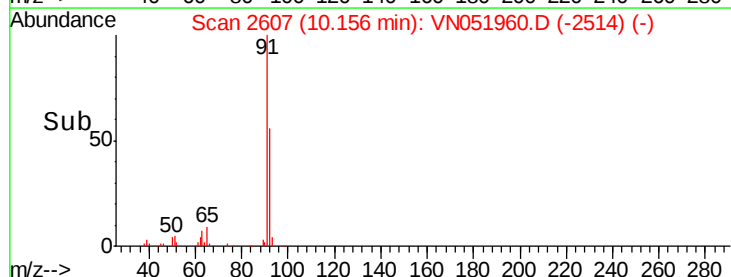
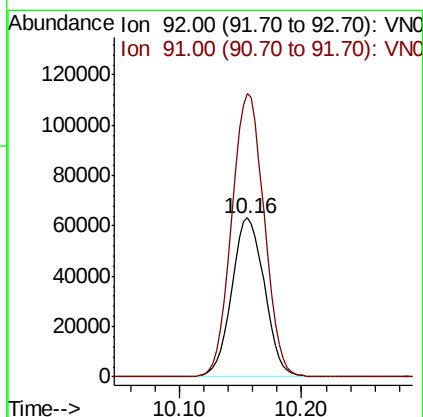
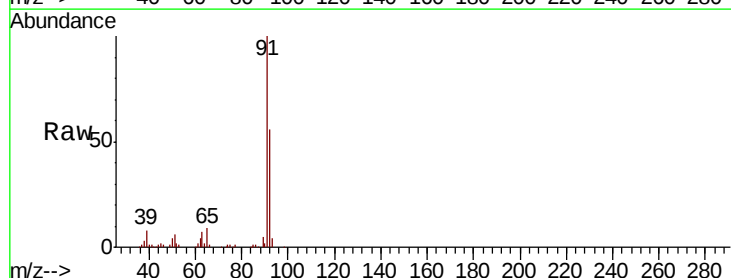
Acq: 23 Oct 2018 13:07

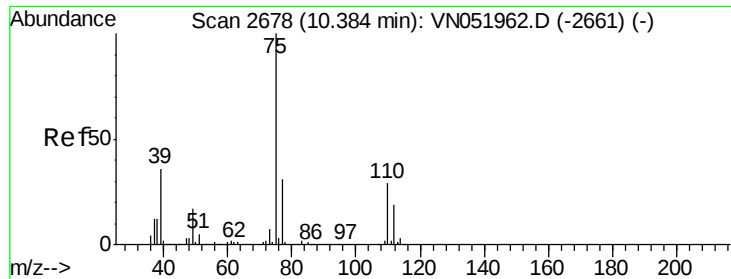
Tgt Ion: 92 Resp: 118009

Ion Ratio Lower Upper

92 100

91 176.1 139.8 209.6





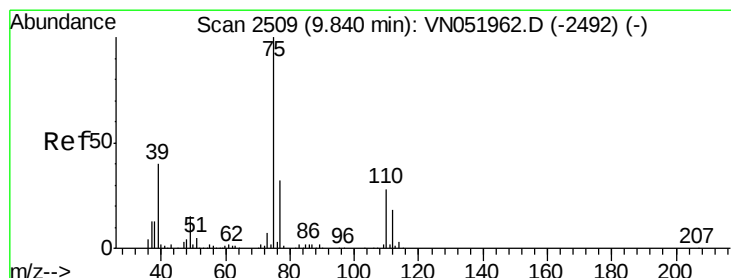
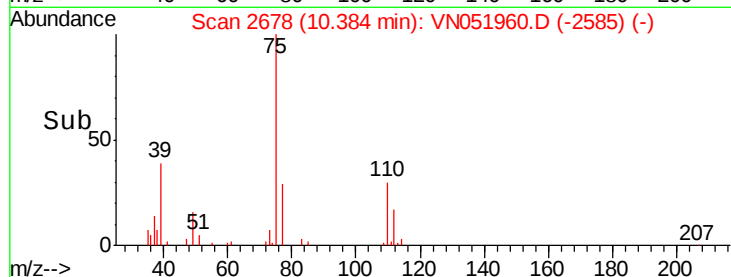
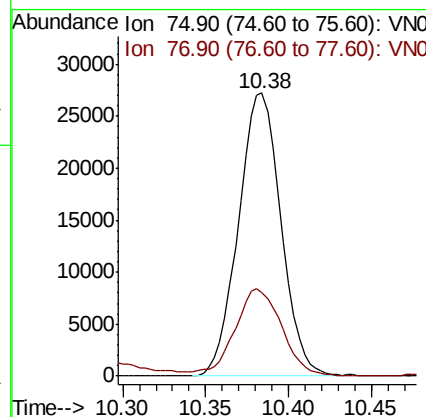
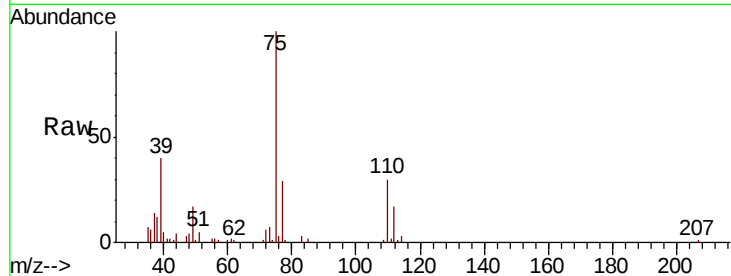
#53
t-1,3-Dichloropropene
Concen: 4.454 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051960.D
Acq: 23 Oct 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 48508
Ion Ratio Lower Upper
75 100
77 29.4 25.0 37.4

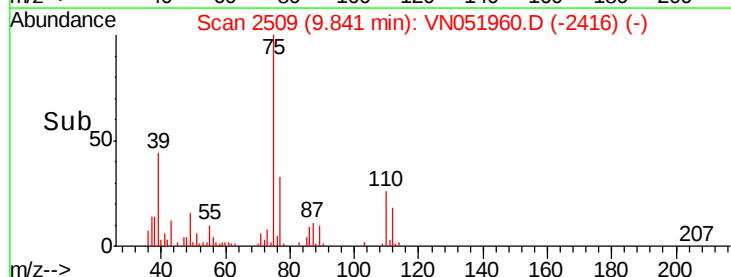
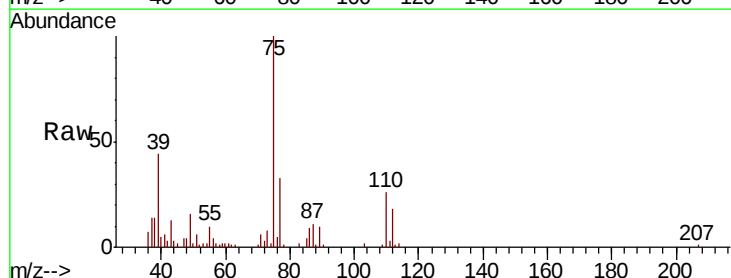
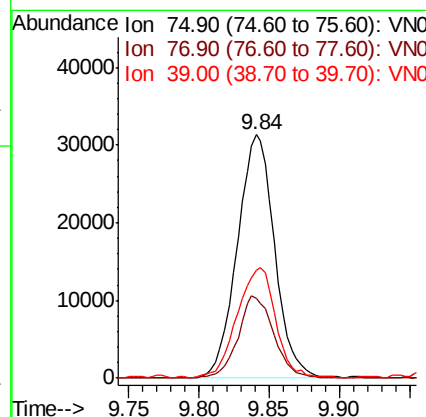
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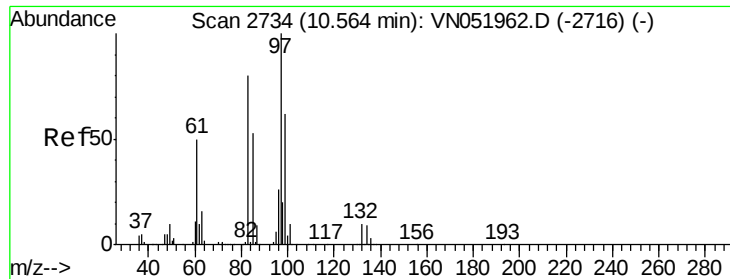
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#54
cis-1,3-Dichloropropene
Concen: 4.666 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN051960.D
Acq: 23 Oct 2018 13:07

Tgt Ion: 75 Resp: 57976
Ion Ratio Lower Upper
75 100
77 33.0 25.2 37.8
39 44.1 32.0 48.0





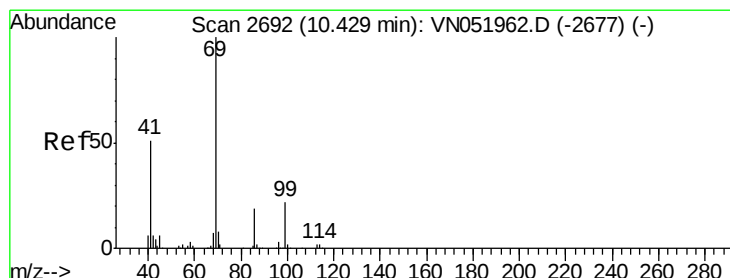
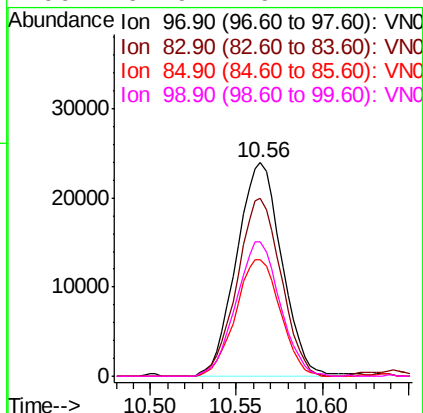
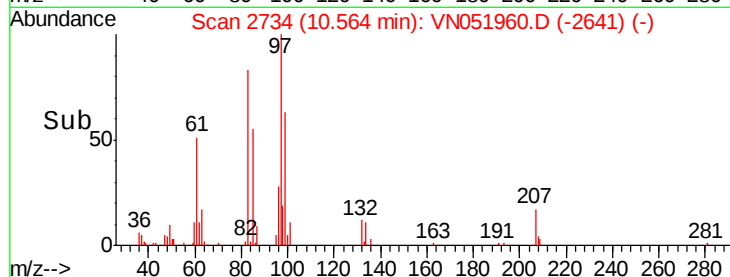
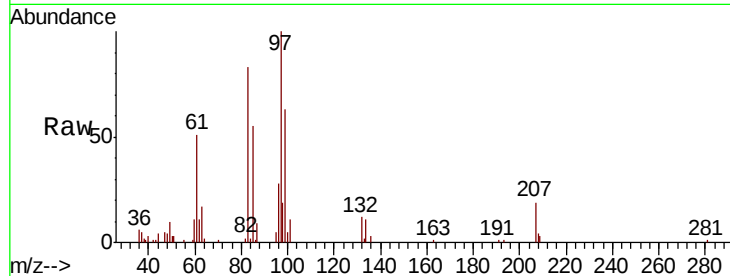
#55
 1,1,2-Trichloroethane
 Concen: 5.071 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051960.D
 Acq: 23 Oct 2018 13:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	43850
Ion	Ratio	Lower	Upper
97	100		
83	83.4	64.0	96.0
85	54.8	42.4	63.6
99	62.9	49.4	74.2

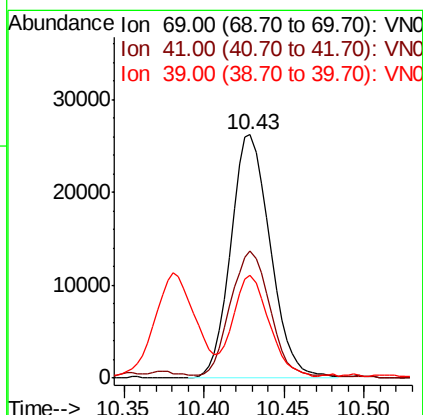
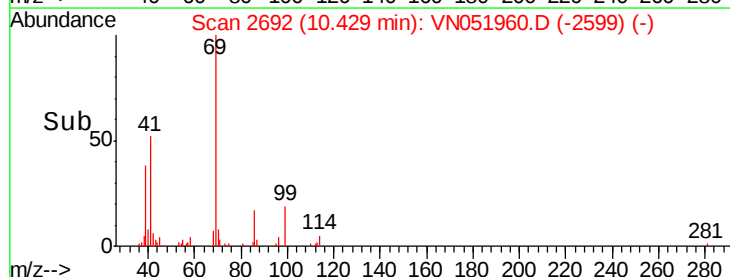
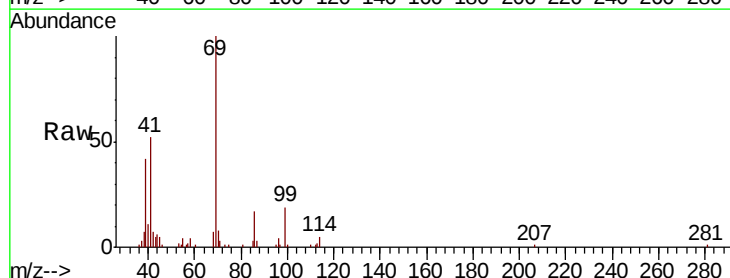
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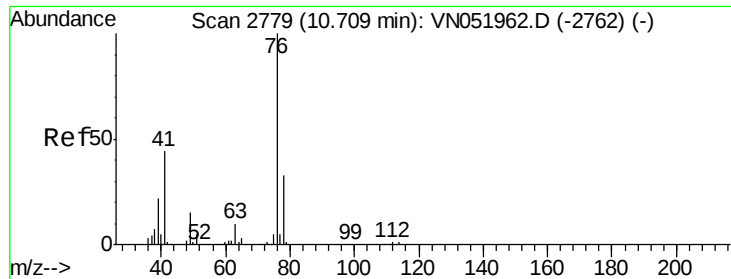
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#56
 Ethyl methacrylate
 Concen: 4.742 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051960.D
 Acq: 23 Oct 2018 13:07

Tgt Ion:	69	Resp:	44079
Ion	Ratio	Lower	Upper
69	100		
41	49.8	40.7	61.1
39	38.3	29.3	43.9





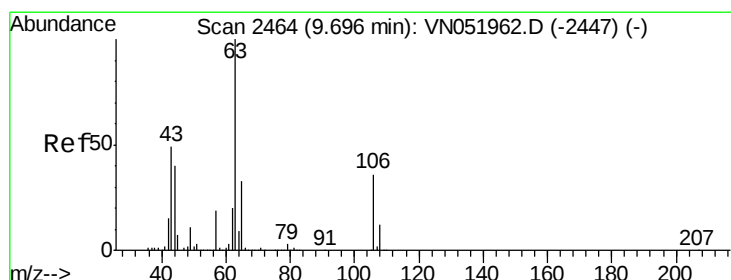
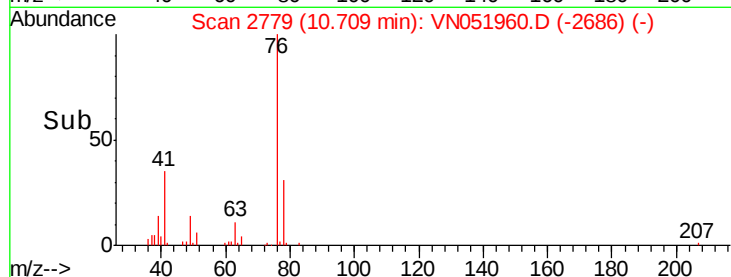
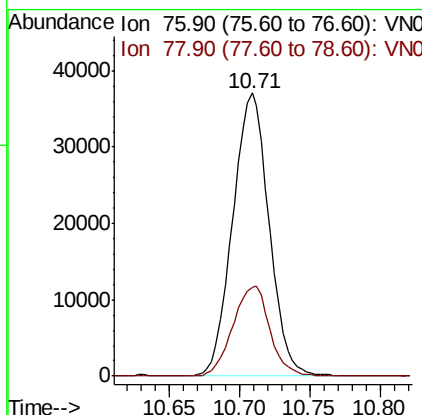
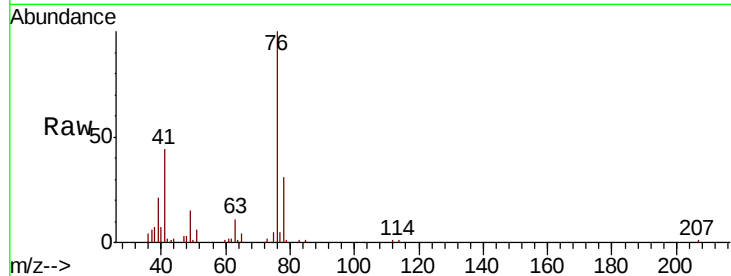
#57
 1,3-Dichloropropane
 Concen: 5.098 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN051960.D
 Acq: 23 Oct 2018 13:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.4	39.6

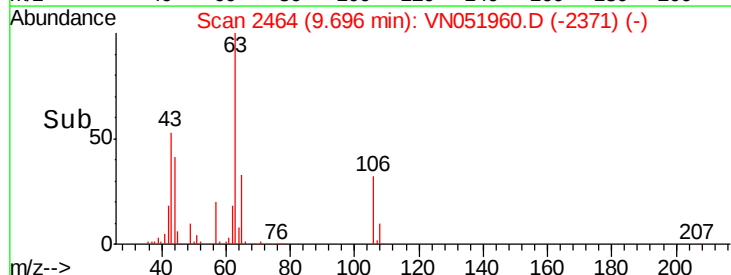
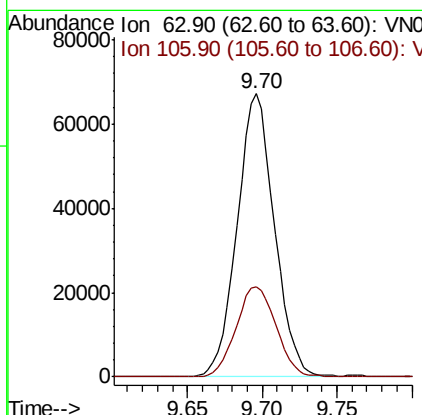
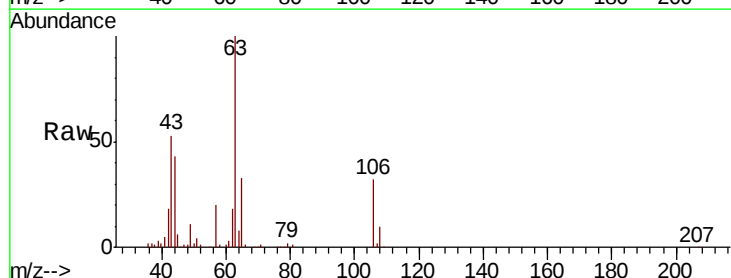
Manual Integrations
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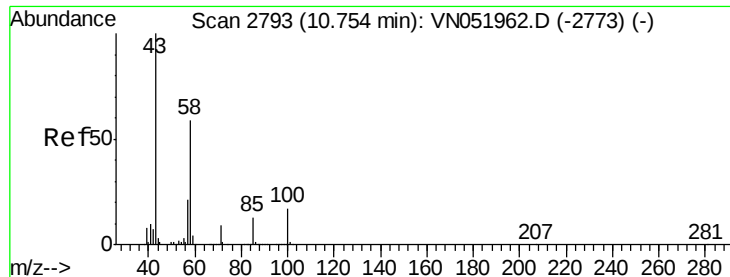
MMDadoda
 10/24/2018 10:09:09 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 23.963 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051960.D
 Acq: 23 Oct 2018 13:07

Tgt Ion	Ratio	Lower	Upper
63	100		
106	34.1	28.3	42.5





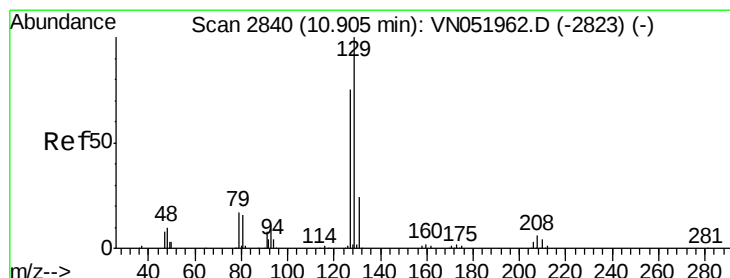
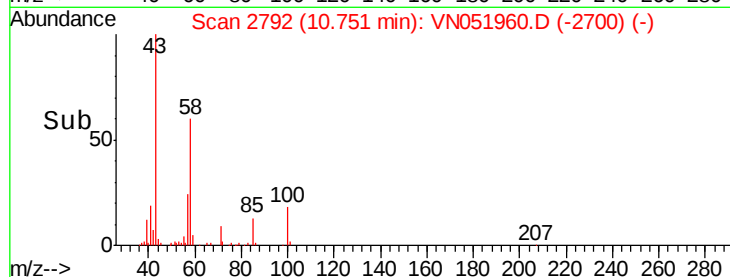
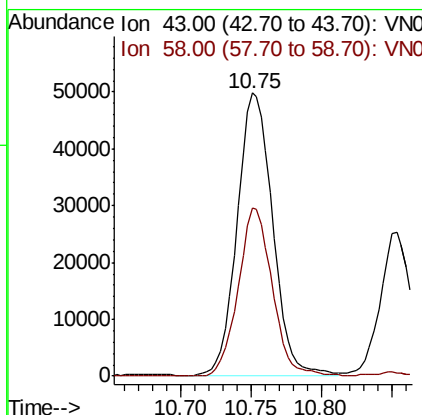
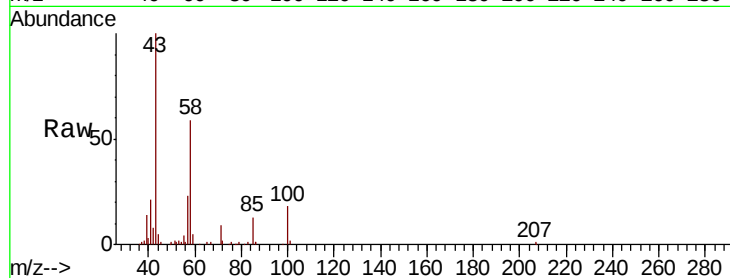
#59
2-Hexanone
Concen: 24.607 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051960.D
Acq: 23 Oct 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	88536
Ion Ratio	Lower	Upper	
43	100		
58	56.7	29.9	89.8

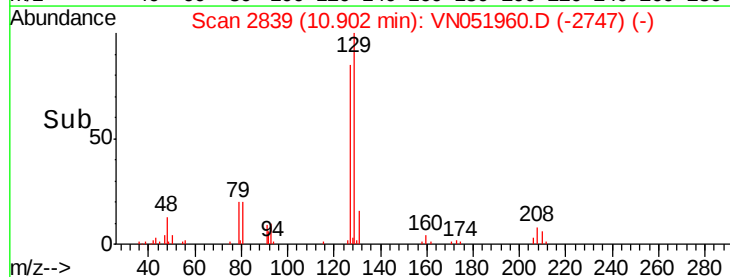
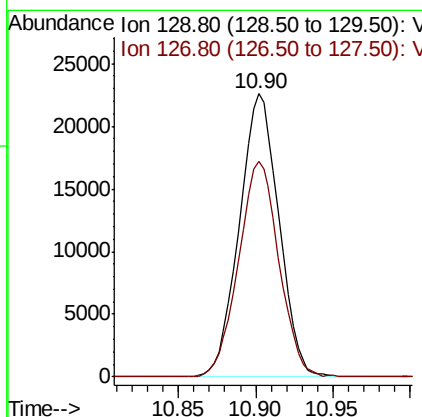
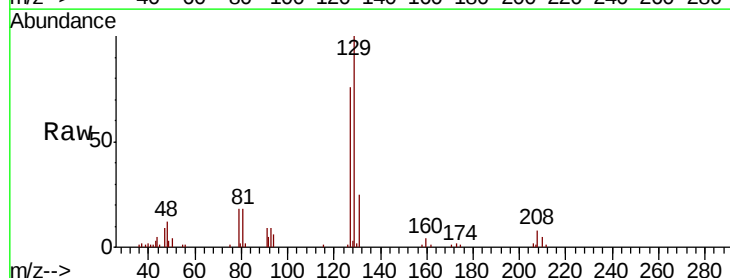
Manual Integrations
APPROVED

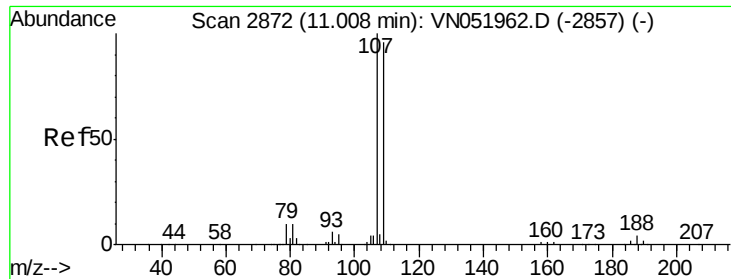
MMDadoda
10/24/2018 10:09:09 AM



#60
Dibromochloromethane
Concen: 4.145 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051960.D
Acq: 23 Oct 2018 13:07

Tgt Ion	129	Resp	40166
Ion Ratio	Lower	Upper	
129	100		
127	77.5	38.0	114.0





#61

1,2-Dibromoethane

Concen: 4.782 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051960.D

Acq: 23 Oct 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 107 Resp: 43601

Ion Ratio Lower Upper

107 100

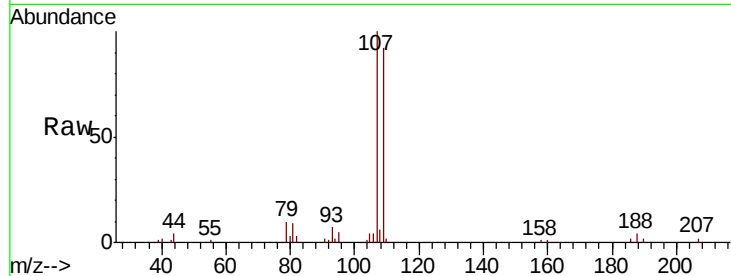
109 95.5 75.9 113.9

Manual Integrations

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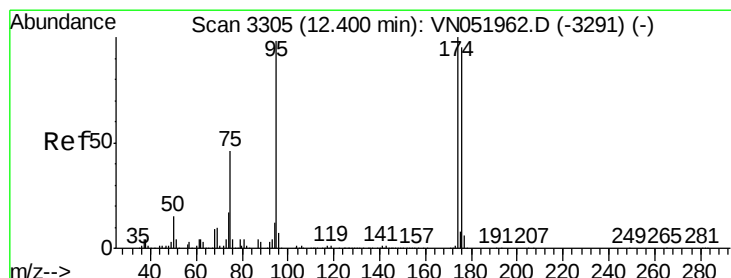
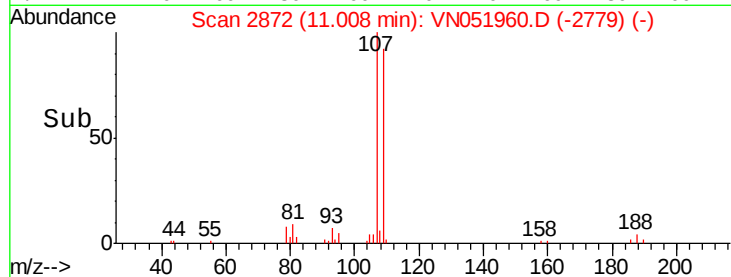
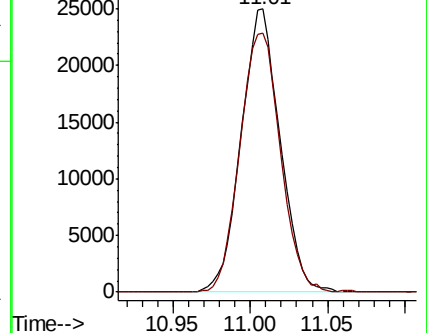
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 4.782 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN051960.D

Acq: 23 Oct 2018 13:07

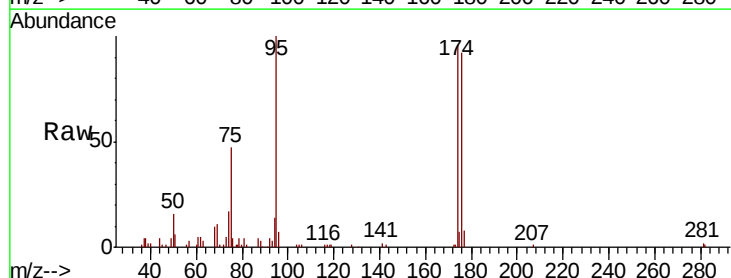
Tgt Ion: 95 Resp: 54074

Ion Ratio Lower Upper

95 100

174 98.9 0.0 206.0

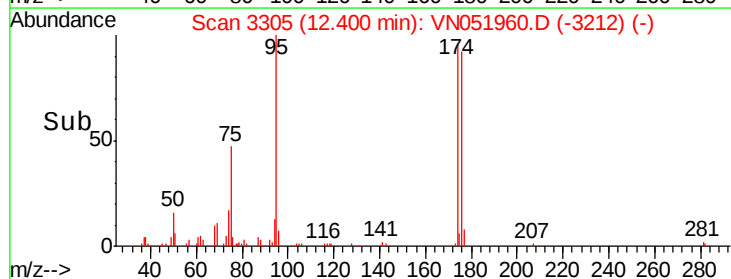
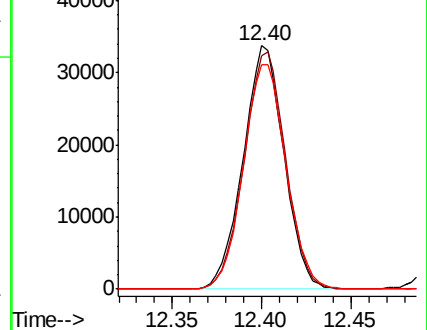
176 96.4 0.0 198.0

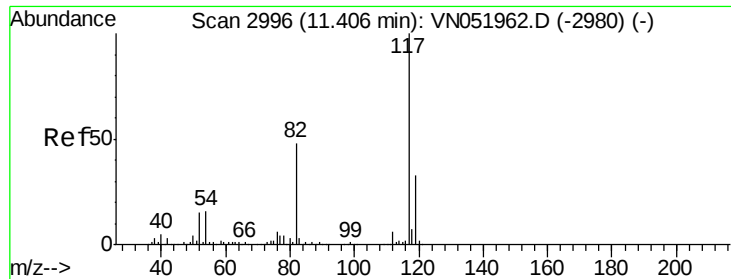


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





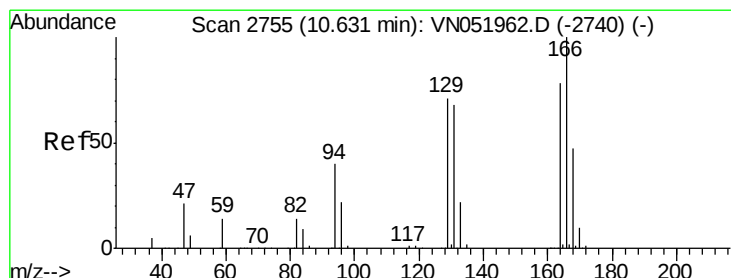
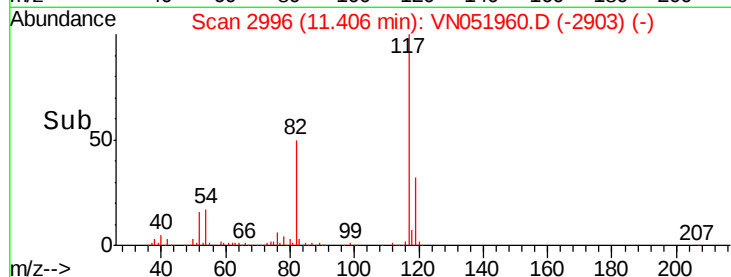
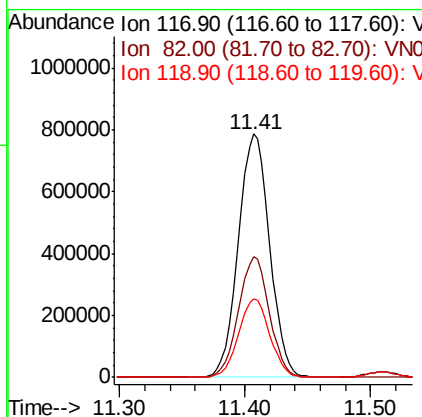
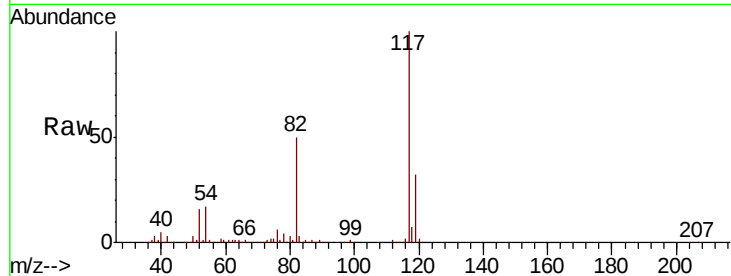
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051960.D
Acq: 23 Oct 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.5	38.1	57.1
119	32.3	26.4	39.6

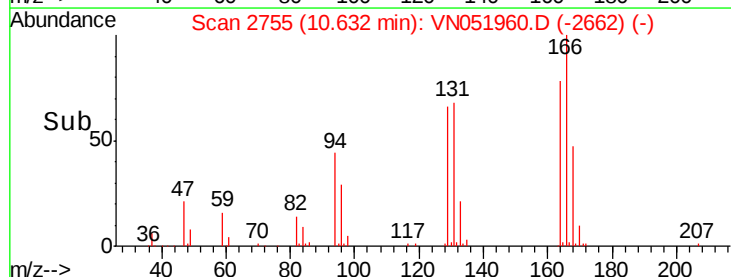
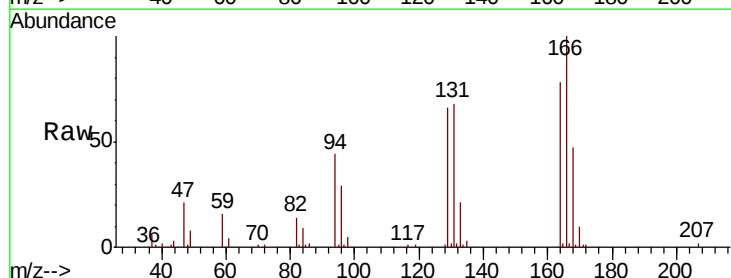
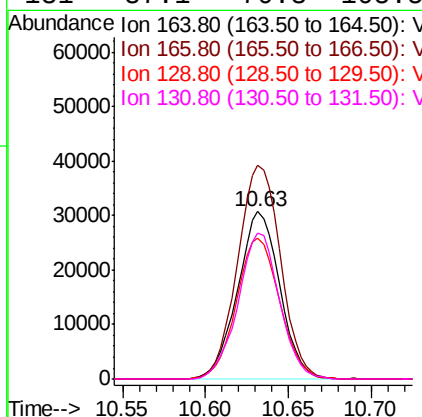
Manual Integrations
APPROVED

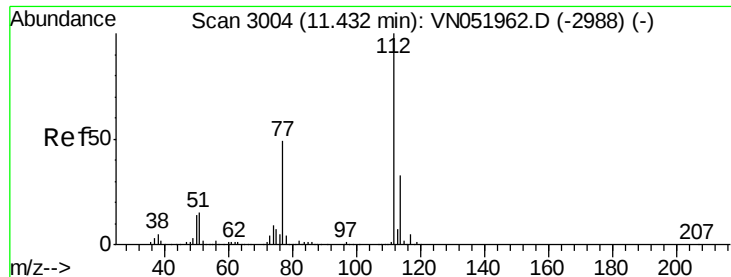
MMDadoda
10/24/2018 10:09:09 AM



#64
Tetrachloroethene
Concen: 5.180 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051960.D
Acq: 23 Oct 2018 13:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.8	103.1	154.7
129	84.0	73.6	110.4
131	87.1	70.3	105.5





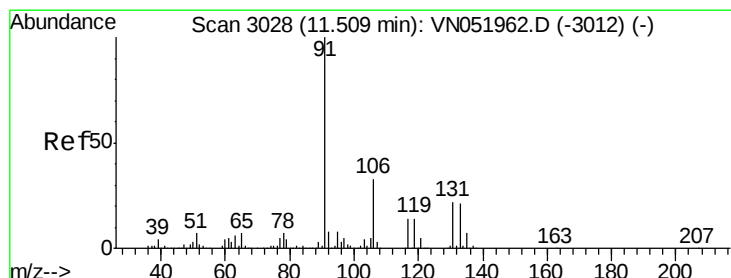
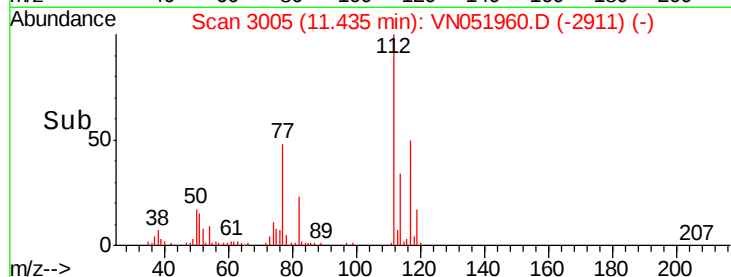
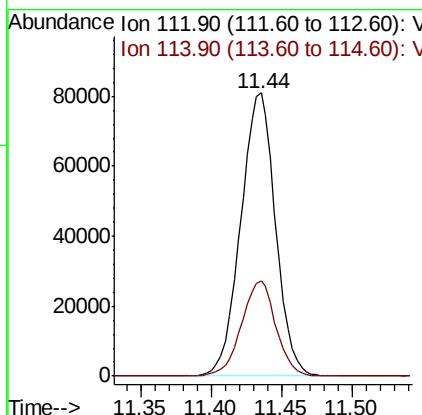
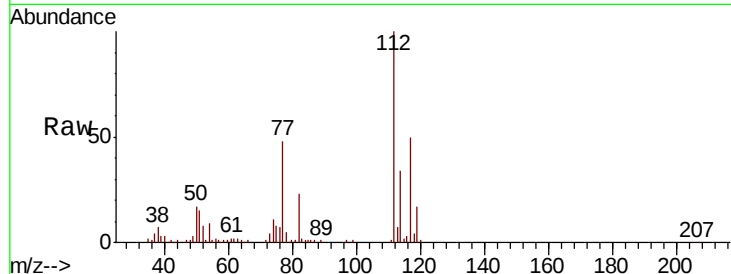
#65
Chlorobenzene
Concen: 5.073 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN051960.D
Acq: 23 Oct 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.8	26.1	39.1

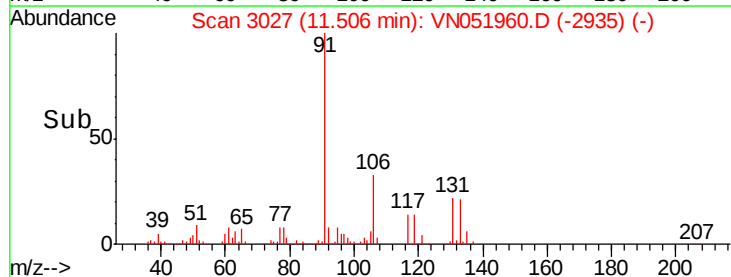
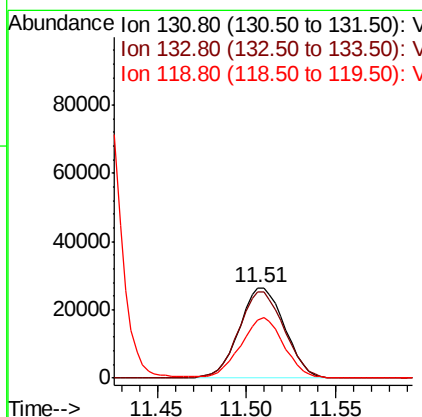
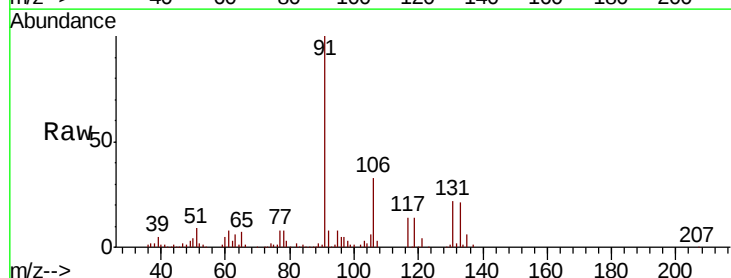
Manual Integrations
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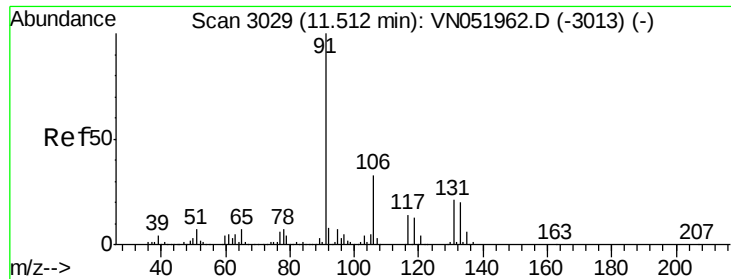
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.742 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN051960.D
Acq: 23 Oct 2018 13:07

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.8	143.3
119	63.9	32.0	96.2





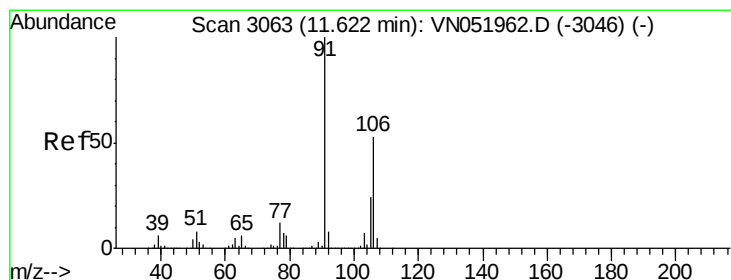
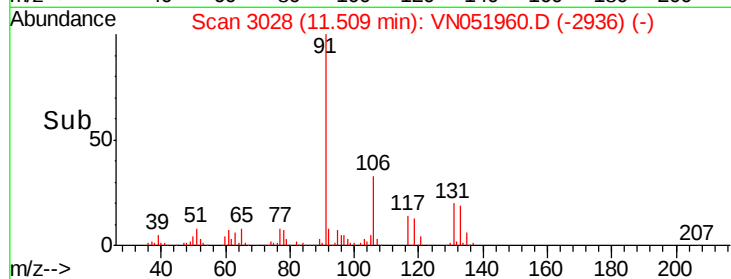
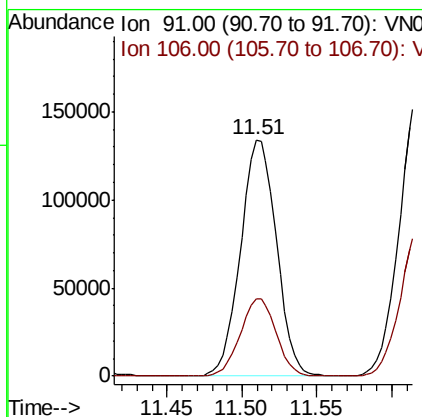
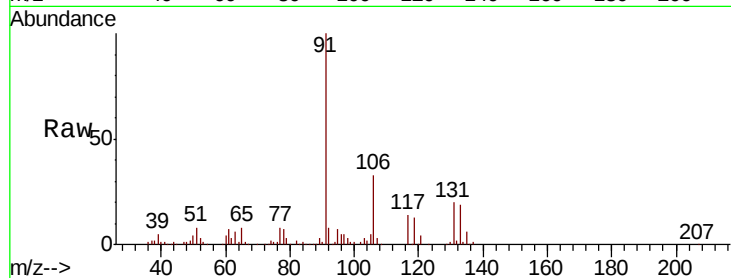
#67
Ethyl Benzene
Concen: 5.057 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051960.D
Acq: 23 Oct 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 223703
Ion Ratio Lower Upper
91 100
106 32.9 26.4 39.6

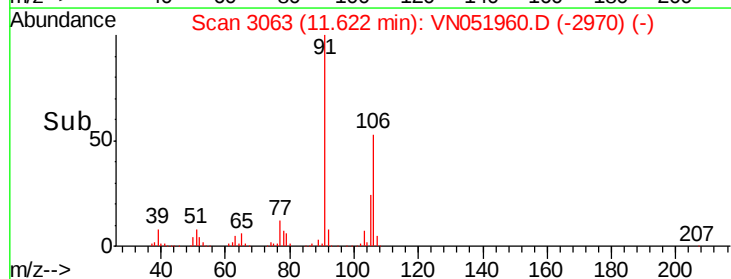
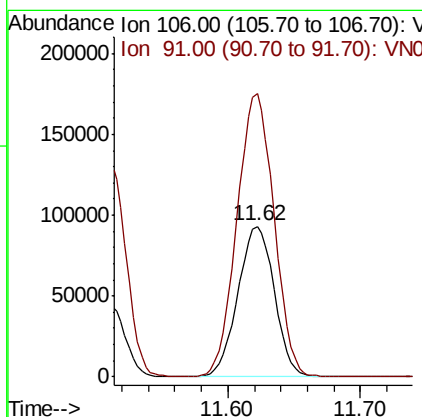
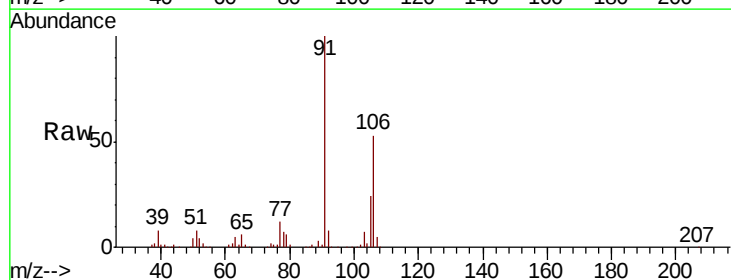
Manual Integrations
APPROVED

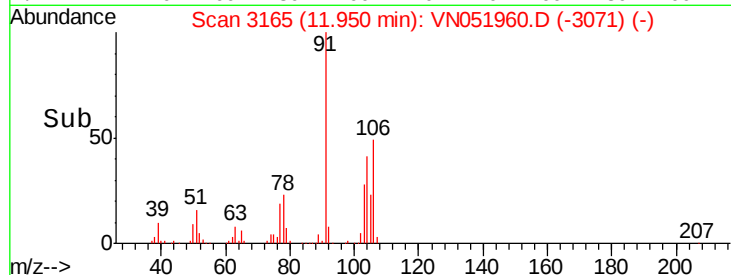
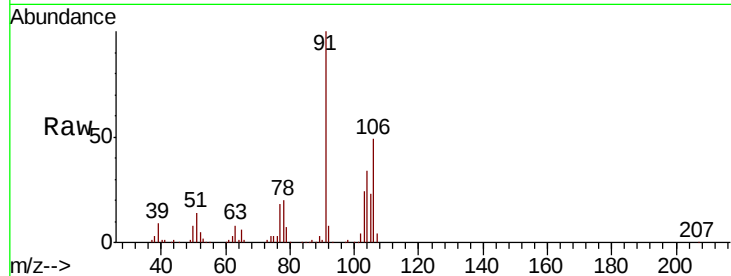
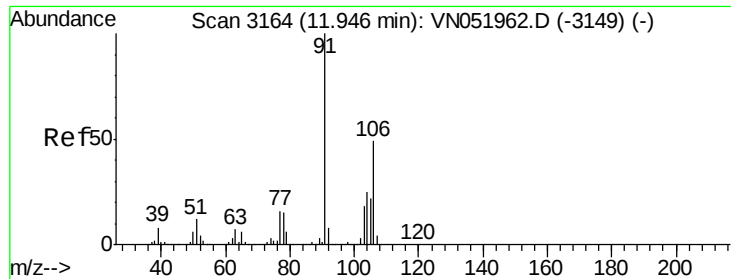
MMDadoda
10/24/2018 10:09:09 AM



#68
m/p-Xylenes
Concen: 10.053 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051960.D
Acq: 23 Oct 2018 13:07

Tgt Ion: 106 Resp: 177686
Ion Ratio Lower Upper
106 100
91 191.4 152.2 228.2





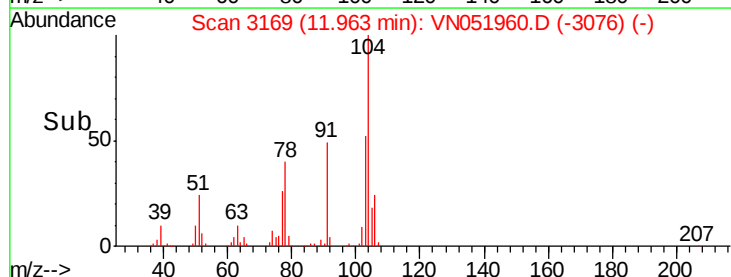
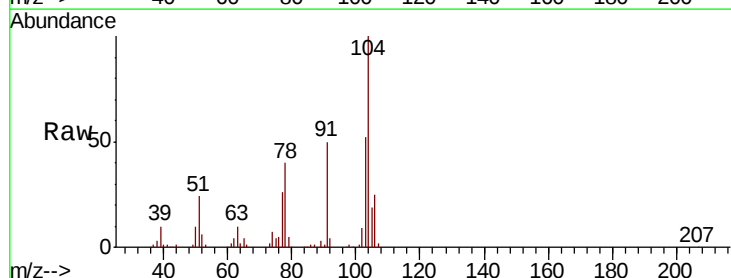
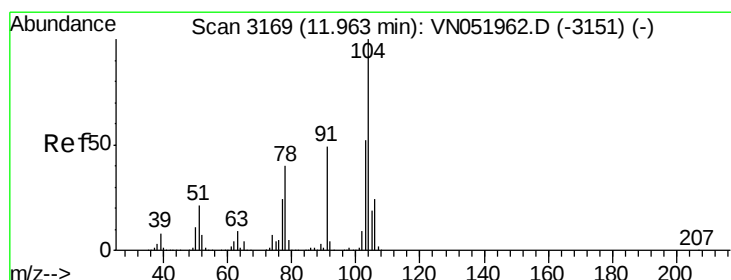
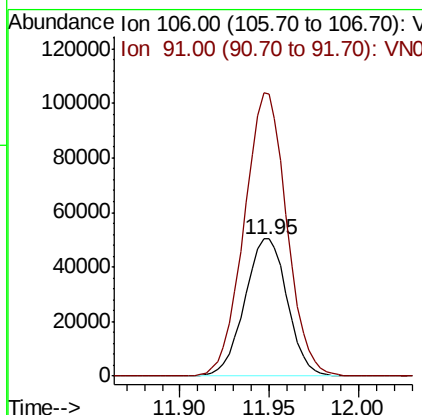
#69
o-Xylene
Concen: 4.896 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051960.D
Acq: 23 Oct 2018 13:07

Tot Ion:106 Resp: 84161
Ion Ratio Lower Upper
106 100
91 206.5 101.0 303.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

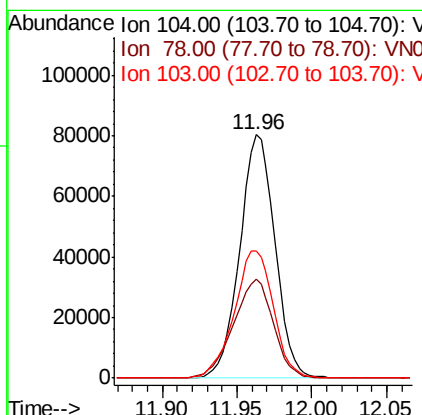
Manual Integrations
APPROVED

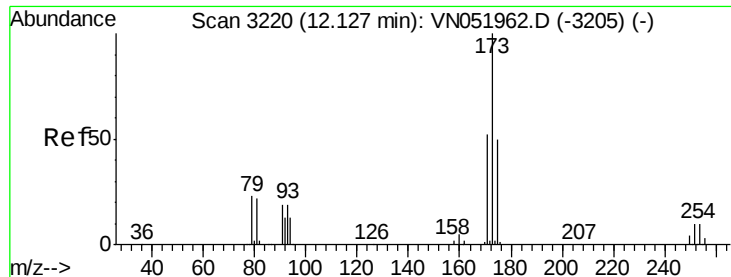
MMDadoda
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#70
Styrene
Concen: 4.795 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051960.D
Acq: 23 Oct 2018 13:07

Tgt Ion:104 Resp: 131733
Ion Ratio Lower Upper
104 100
78 46.0 35.8 53.6
103 58.0 44.9 67.3





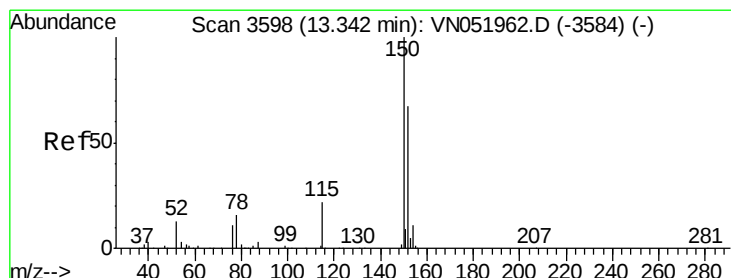
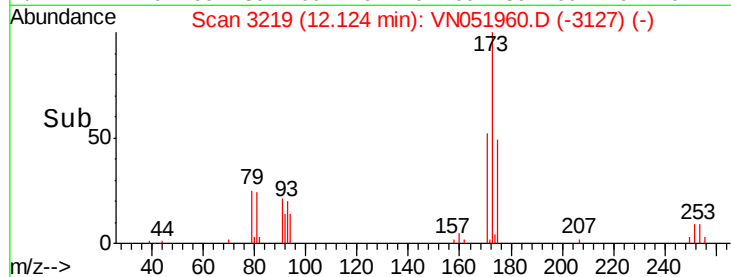
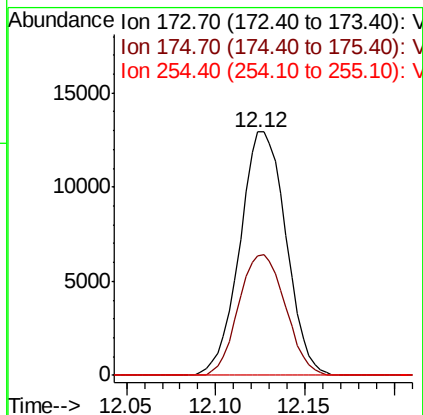
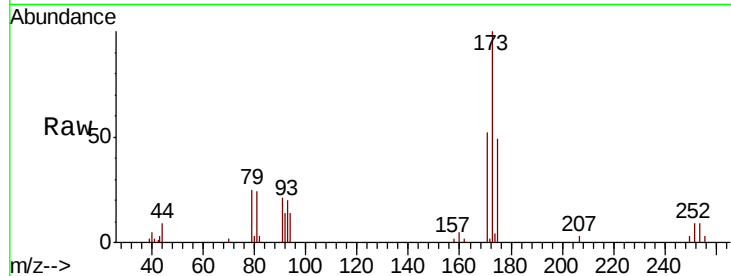
#71
Bromoform
Concen: 3.865 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN051960.D
Acq: 23 Oct 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.1	24.6	74.0
254	0.0	0.1	0.1#

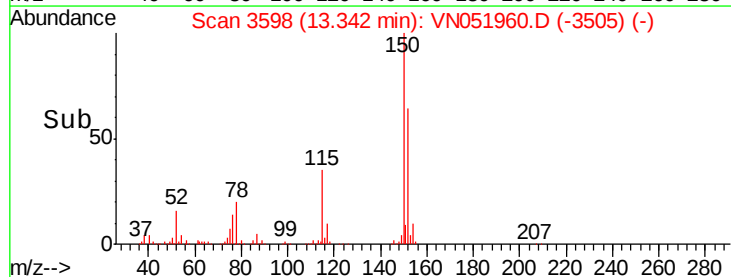
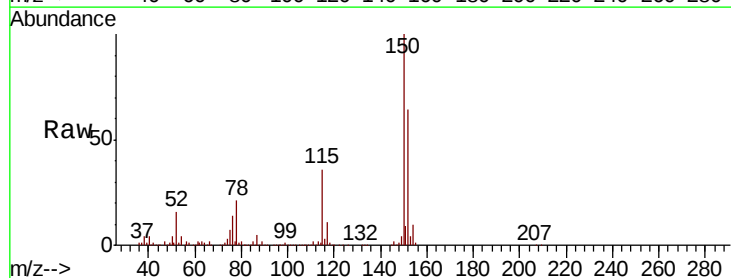
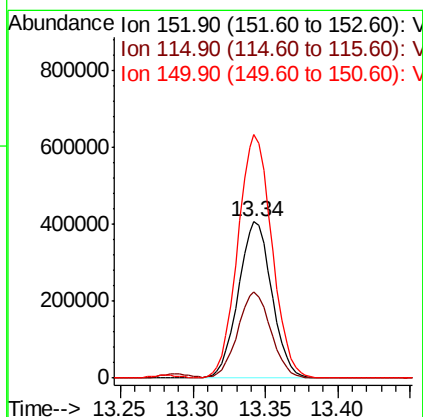
Manual Integrations
APPROVED

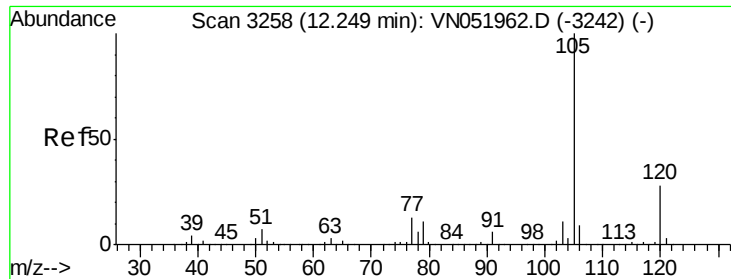
MMDadoda
10/24/2018 10:09:09 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN051960.D
Acq: 23 Oct 2018 13:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.4	25.8	77.3
150	158.3	0.0	344.4





#73

Isopropylbenzene

Concen: 5.433 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051960.D

Acq: 23 Oct 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 225308

Ion Ratio Lower Upper

105 100

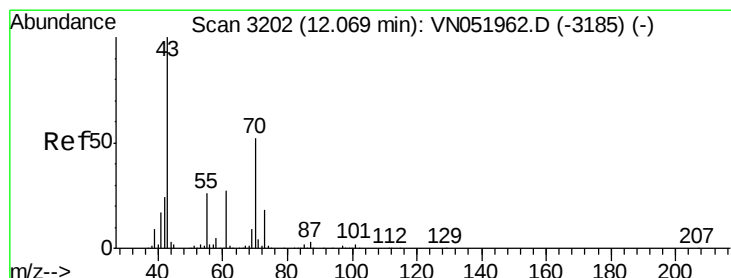
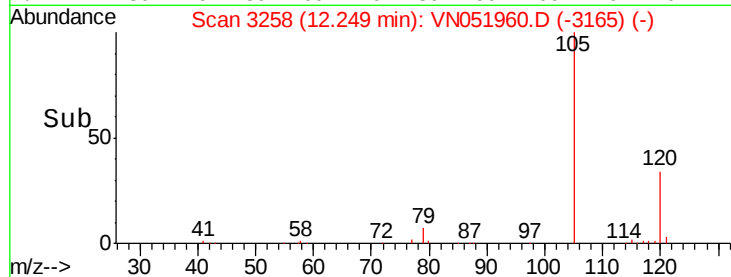
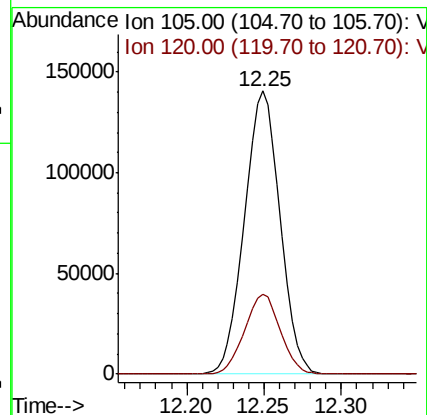
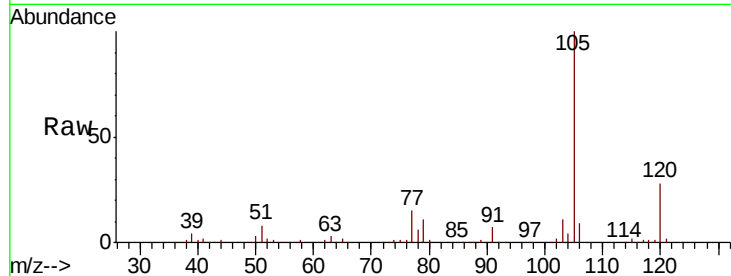
120 28.4 14.0 41.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 5.088 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051960.D

Acq: 23 Oct 2018 13:07

Tgt Ion: 43 Resp: 41533

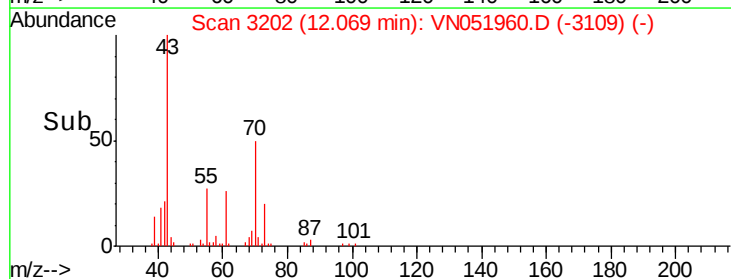
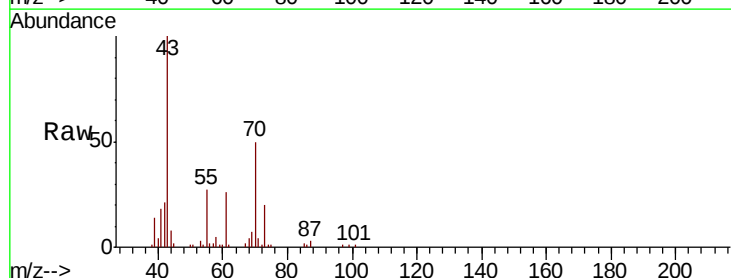
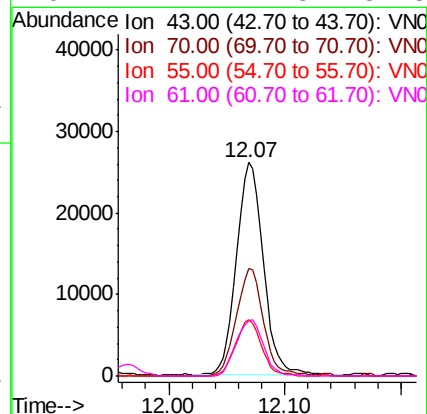
Ion Ratio Lower Upper

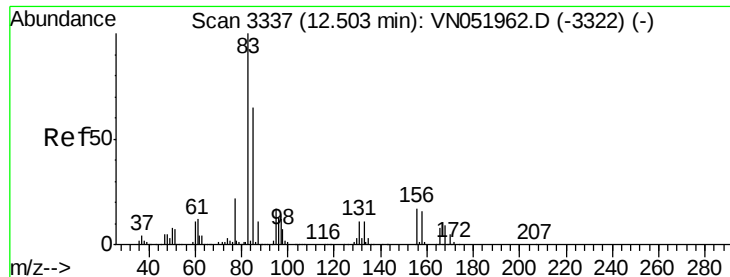
43 100

70 51.3 41.3 61.9

55 25.6 21.2 31.8

61 27.4 21.8 32.8





#75

1,1,2,2-Tetrachloroethane

Concen: 5.749 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051960.D

Acq: 23 Oct 2018 13:07

Instrument :

MSVOA_N

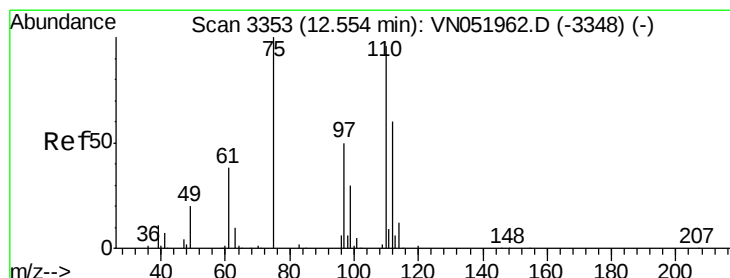
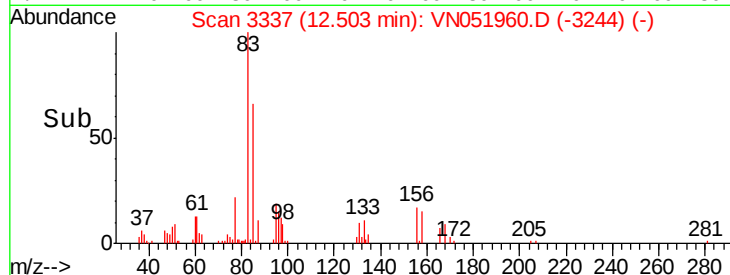
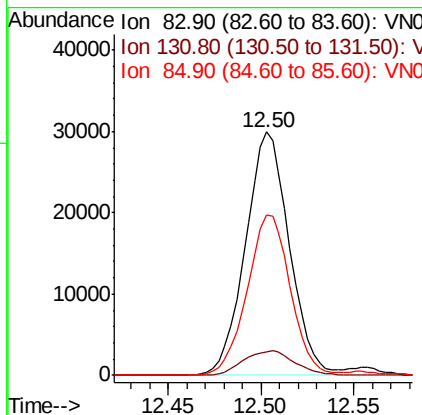
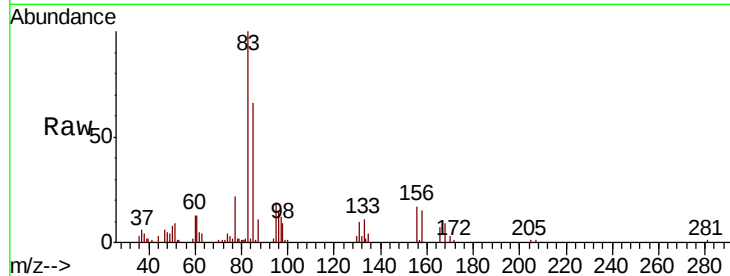
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	49259
Ion Ratio	Lower	Upper	
83	100		
131	11.7	6.2	18.6
85	65.0	32.7	98.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.554 ug/l m

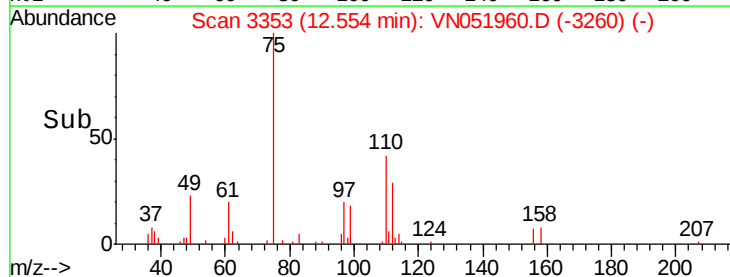
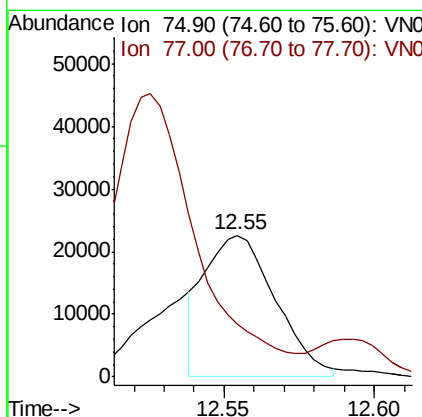
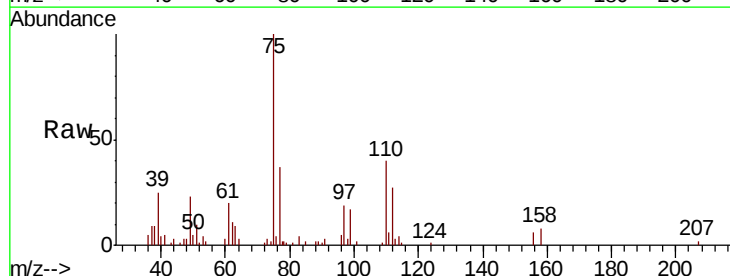
RT: 12.55 min Scan# 3353

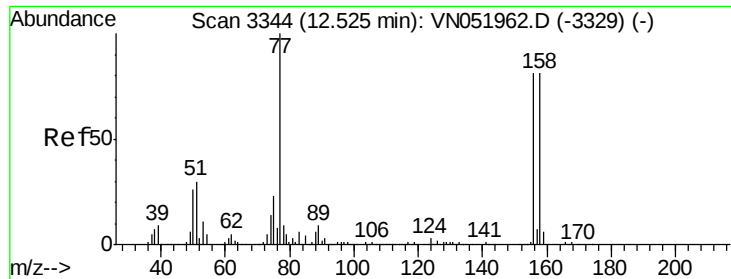
Delta R.T. 0.00 min

Lab File: VN051960.D

Acq: 23 Oct 2018 13:07

Tgt Ion:	75	Resp:	36986
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.361 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051960.D

Acq: 23 Oct 2018 13:07

Instrument :

MSVOA_N

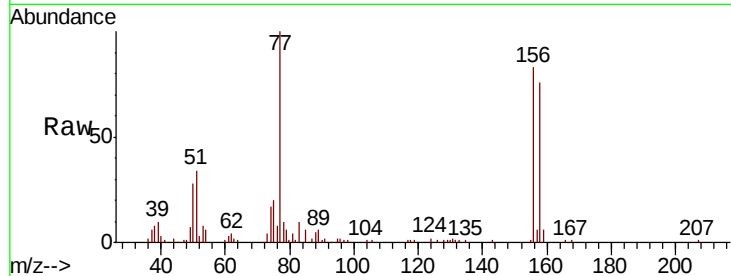
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	148.0	71.1	213.3
158	97.5	49.3	147.8

Manual Integrations
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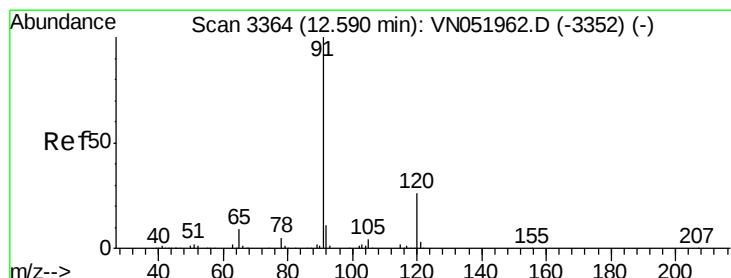
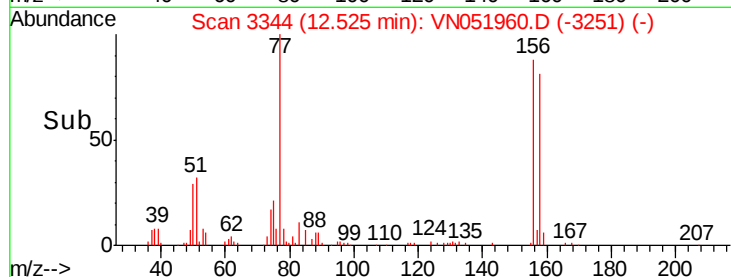
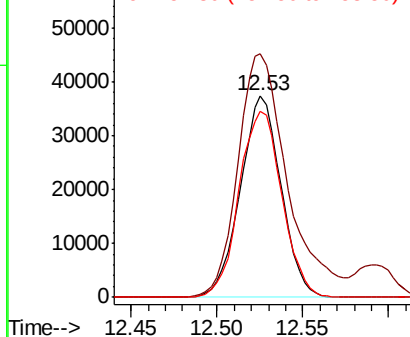
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.470 ug/l

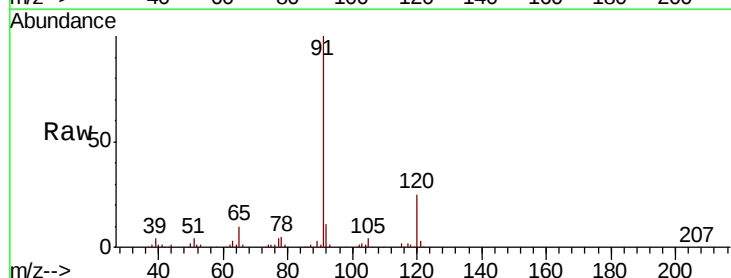
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051960.D

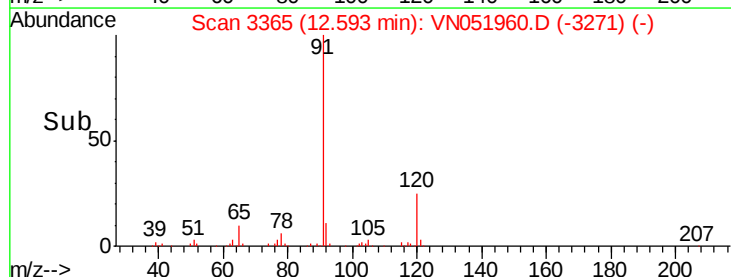
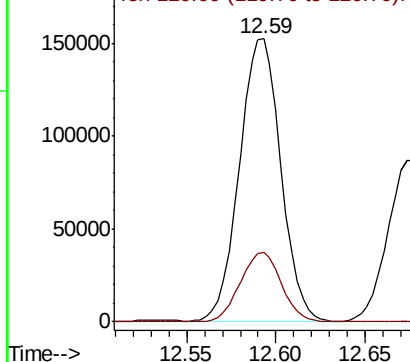
Acq: 23 Oct 2018 13:07

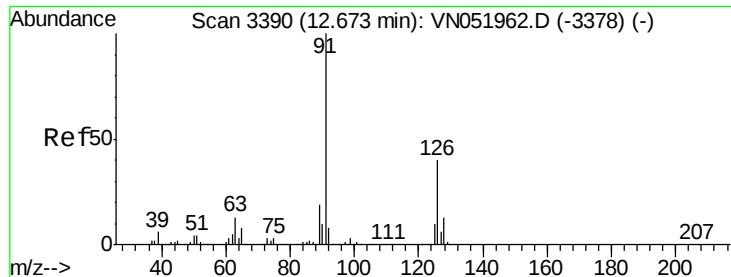
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.7	13.1	39.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.515 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051960.D

Acq: 23 Oct 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 143676

Ion Ratio Lower Upper

91 100

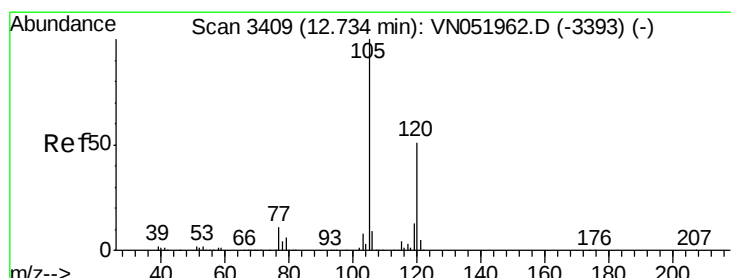
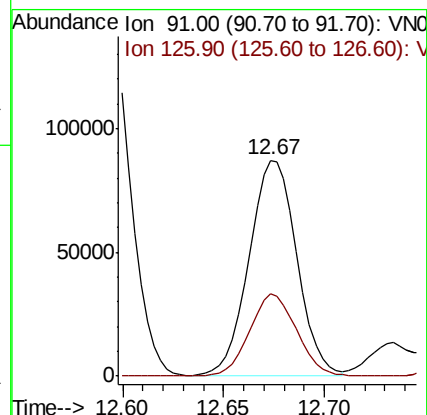
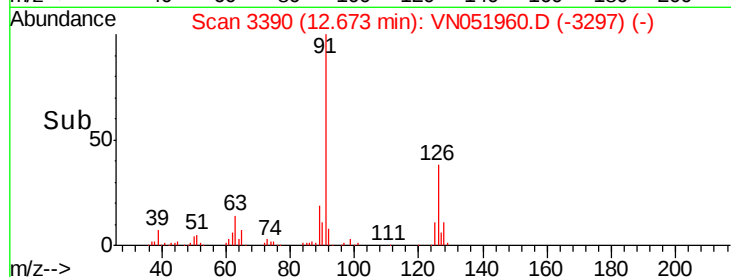
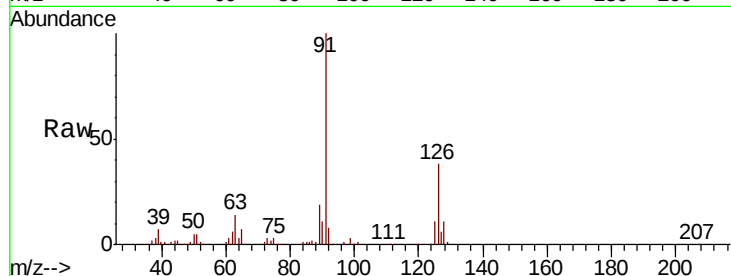
126 37.5 20.1 60.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 5.377 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051960.D

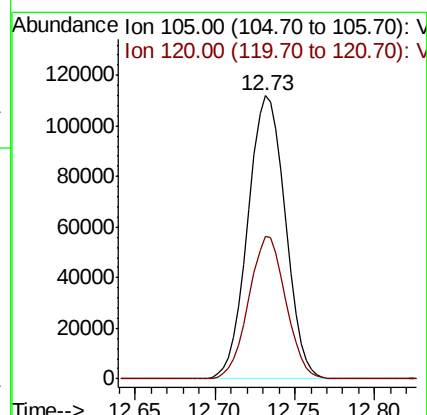
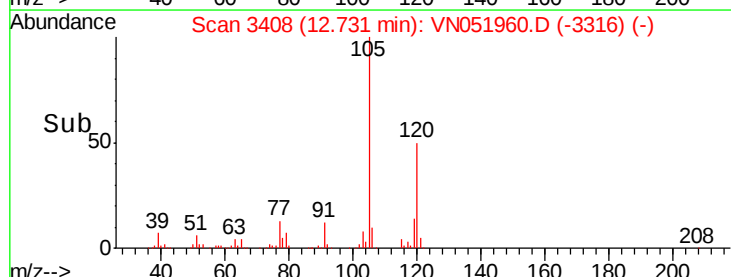
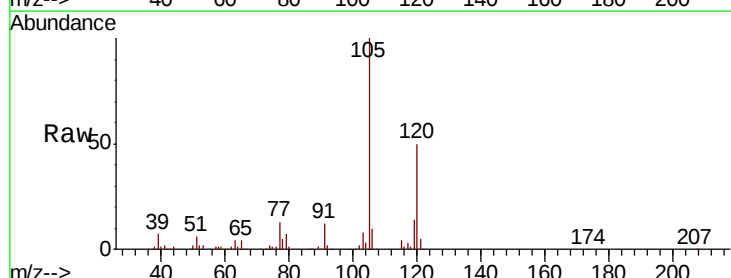
Acq: 23 Oct 2018 13:07

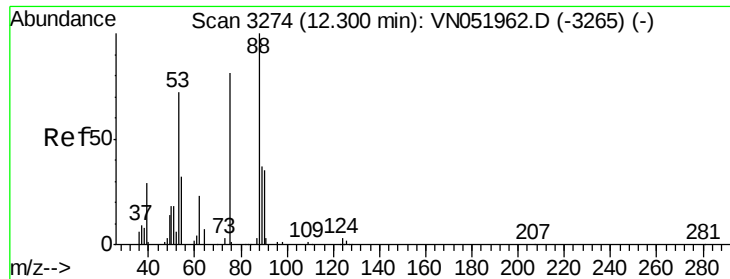
Tgt Ion: 105 Resp: 178887

Ion Ratio Lower Upper

105 100

120 49.8 25.7 77.1





#81

trans-1,4-Dichloro-2-butene

Concen: 4.519 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051960.D

Acq: 23 Oct 2018 13:07

Instrument :

MSVOA_N

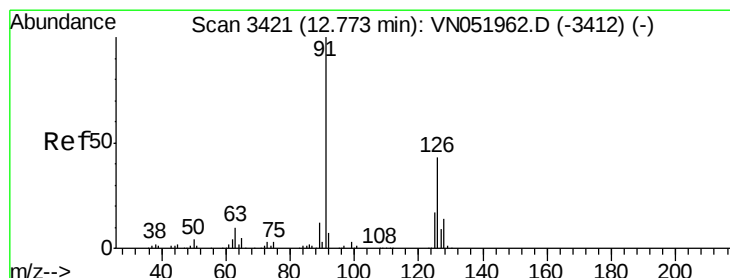
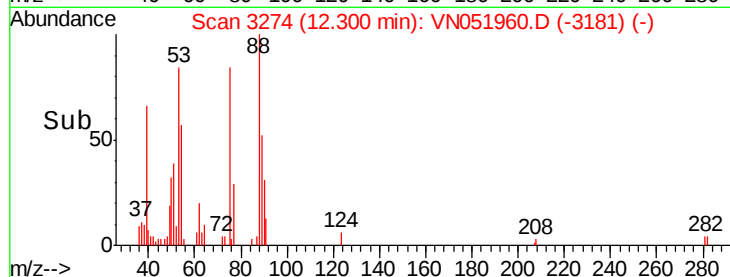
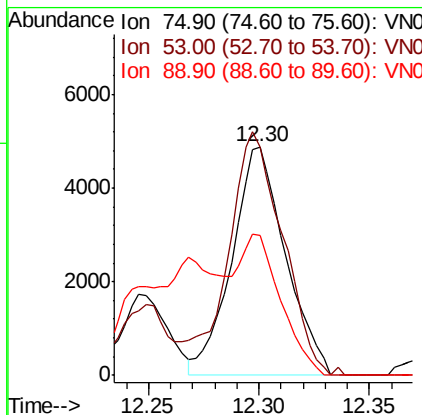
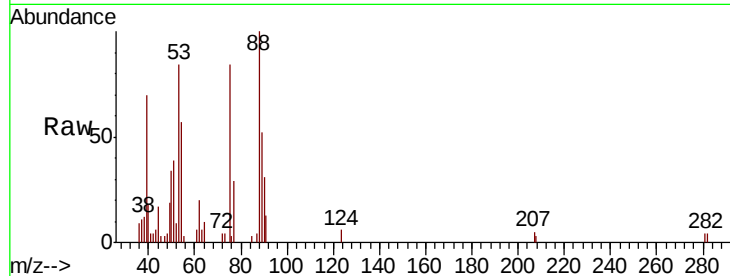
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	8227
Ion	Ratio	Lower	Upper
75	100		
53	106.0	73.5	110.3
89	47.8	41.6	62.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 5.508 ug/l

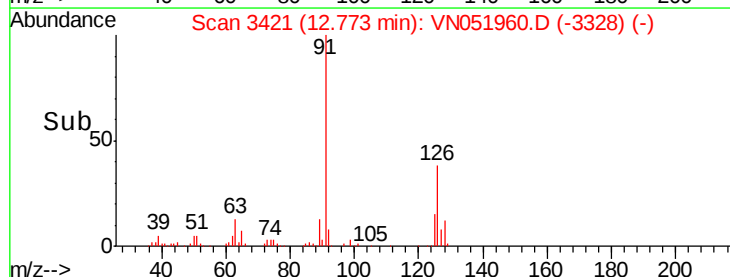
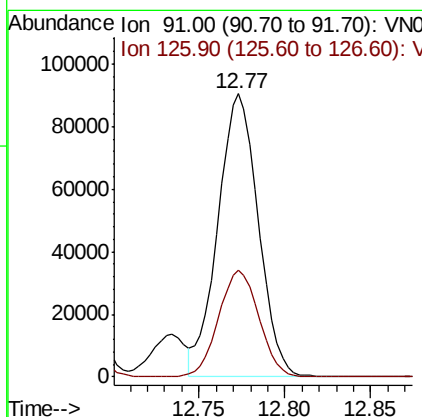
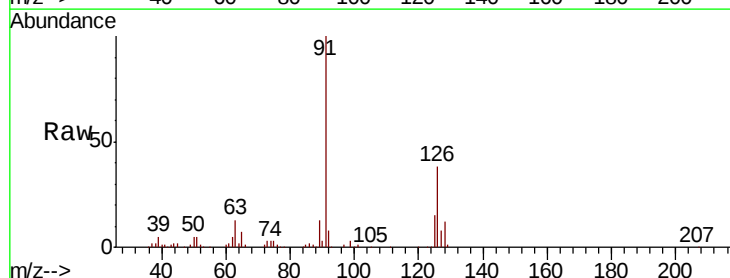
RT: 12.77 min Scan# 3421

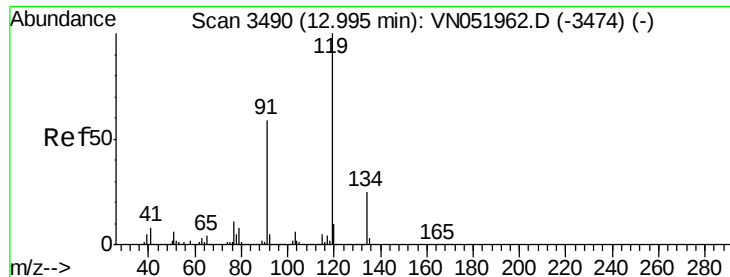
Delta R.T. 0.00 min

Lab File: VN051960.D

Acq: 23 Oct 2018 13:07

Tgt Ion:	91	Resp:	148553
Ion	Ratio	Lower	Upper
91	100		
126	37.6	19.7	59.0





#83

tert-Butylbenzene

Concen: 5.456 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN051960.D

Acq: 23 Oct 2018 13:07

Instrument :

MSVOA_N

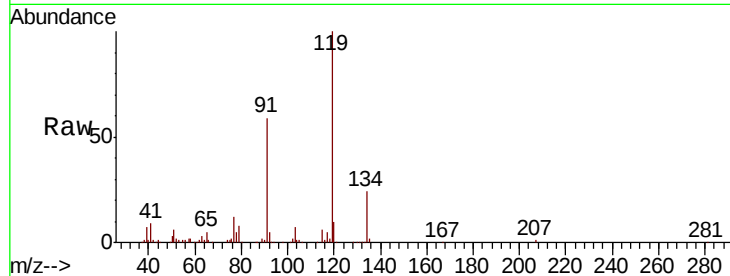
ClientSampleId :

VSTDIC005

Tot Ion:	119	Resp:	171669
Ion Ratio	Lower	Upper	
119	100		
91	60.2	28.8	86.4
134	24.0	13.4	40.1

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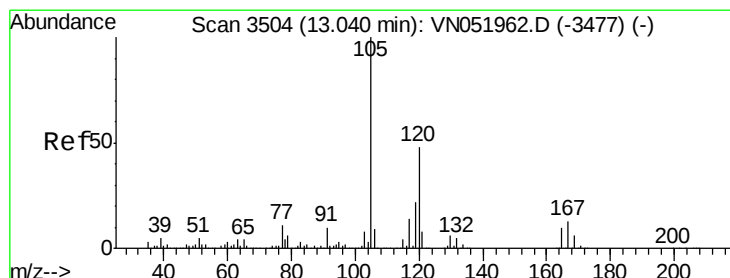
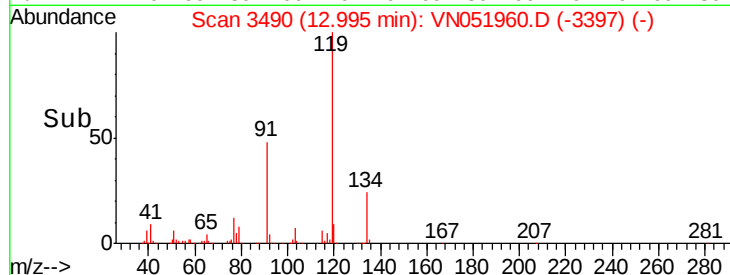
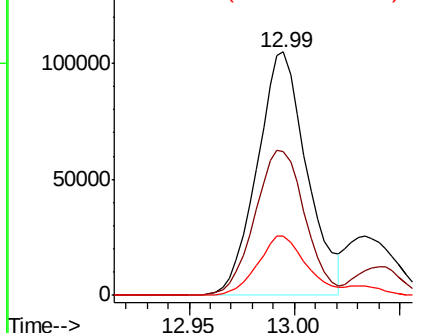
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 5.344 ug/l

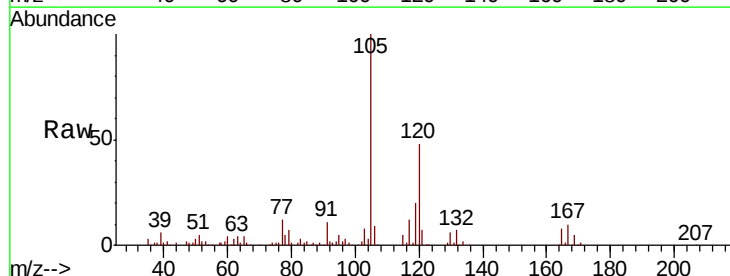
RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN051960.D

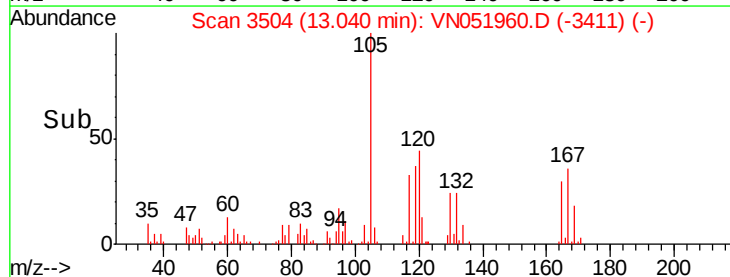
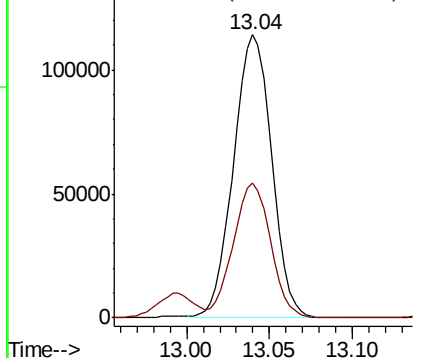
Acq: 23 Oct 2018 13:07

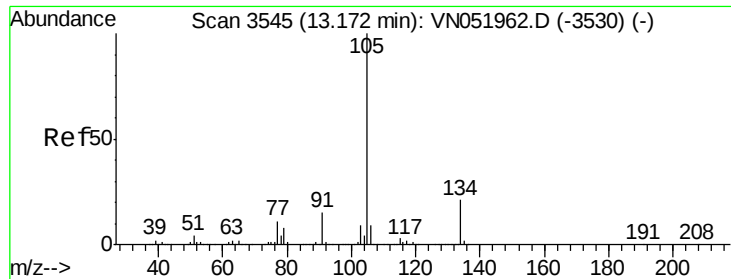
Tgt Ion:	105	Resp:	183390
Ion Ratio	Lower	Upper	
105	100		
120	46.6	23.8	71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 5.468 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051960.D

Acq: 23 Oct 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 224718

Ion Ratio Lower Upper

105 100

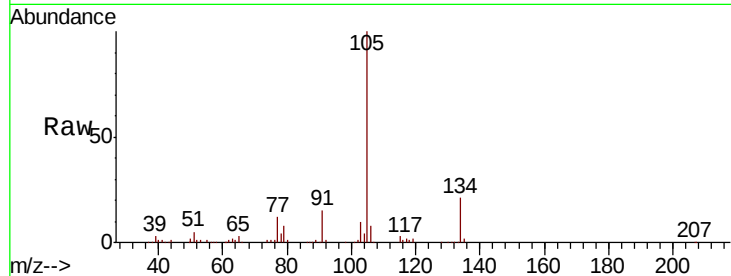
134 20.8 10.9 32.9

Manual Integrations

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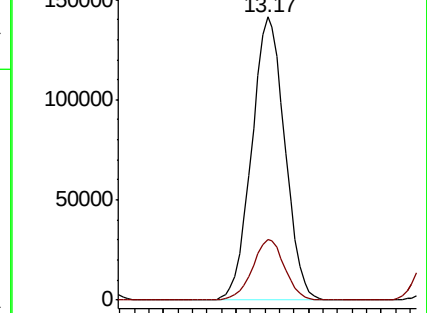
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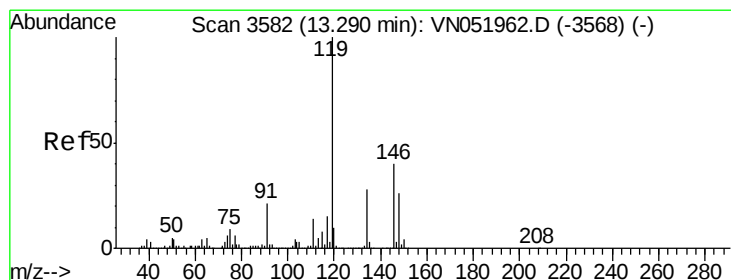
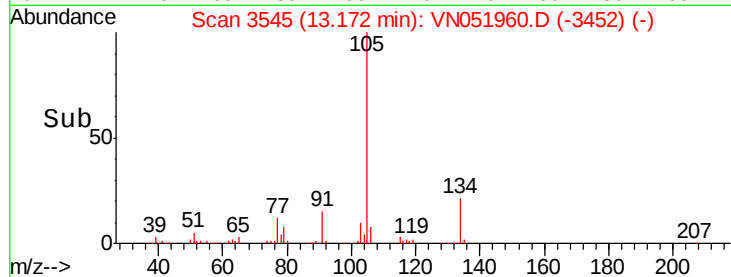


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 5.256 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051960.D

Acq: 23 Oct 2018 13:07

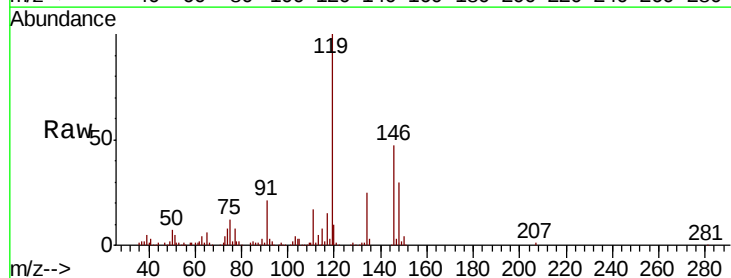
Tgt Ion:119 Resp: 194476

Ion Ratio Lower Upper

119 100

134 26.5 13.9 41.7

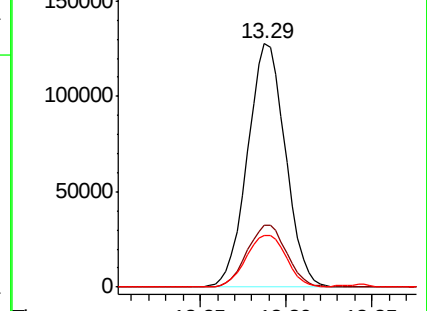
91 22.8 10.6 31.8



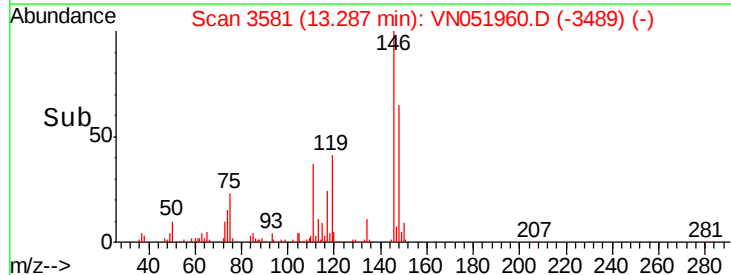
Abundance Ion 119.00 (118.70 to 119.70): V

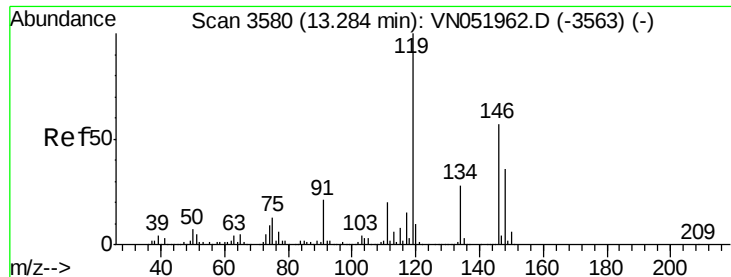
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





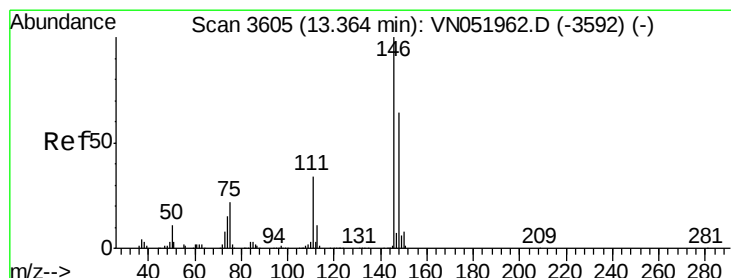
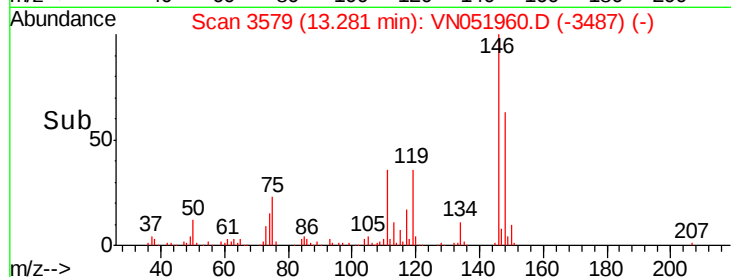
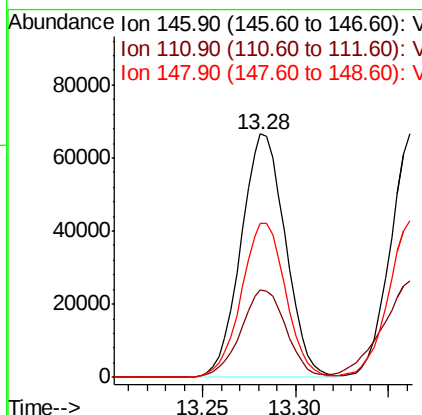
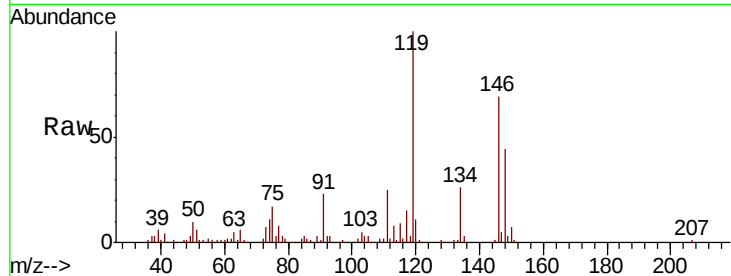
#87
 1,3-Dichlorobenzene
 Concen: 5.269 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051960.D
 Acq: 23 Oct 2018 13:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	17.6	52.8
148	62.9	32.0	96.0

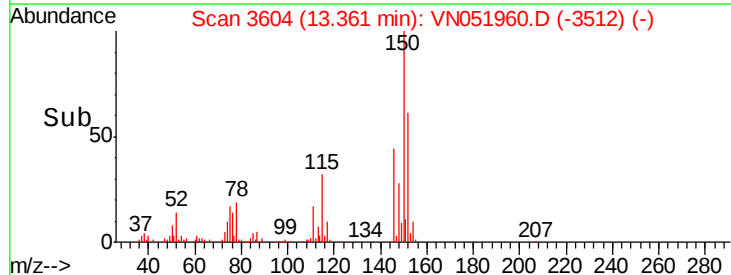
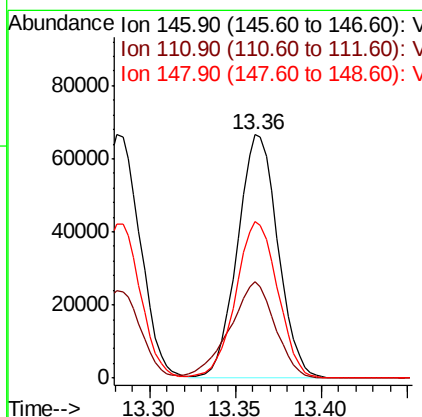
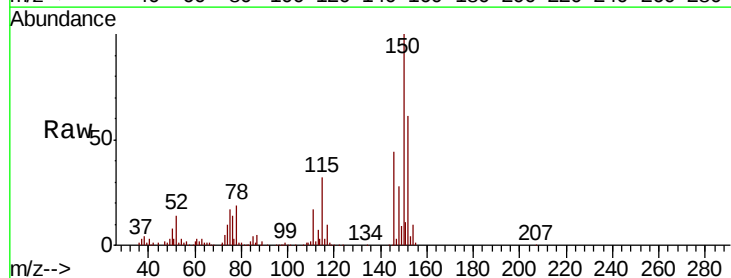
Manual Integrations
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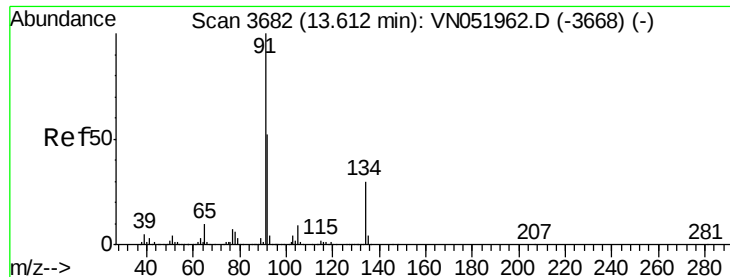
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 10/24/2018 10:09:09 AM



#88
 1,4-Dichlorobenzene
 Concen: 5.215 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051960.D
 Acq: 23 Oct 2018 13:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.5	17.3	51.7
148	66.9	32.1	96.3





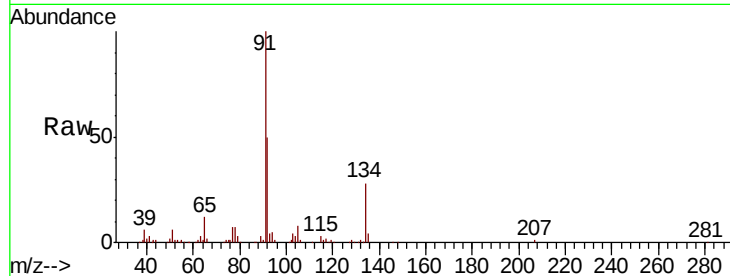
#89
n-Butylbenzene
Concen: 5.405 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051960.D
Acq: 23 Oct 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

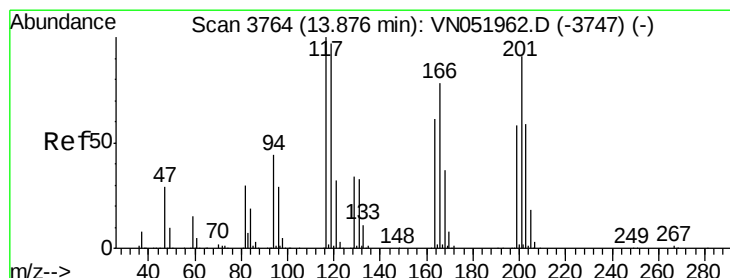
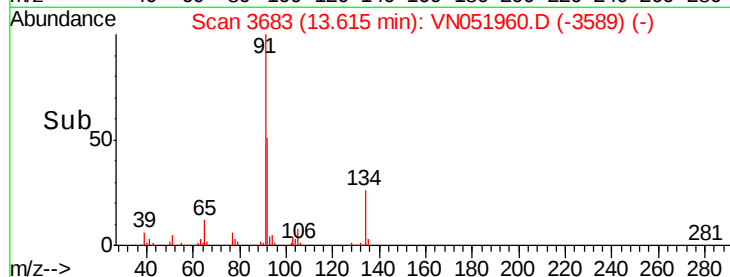
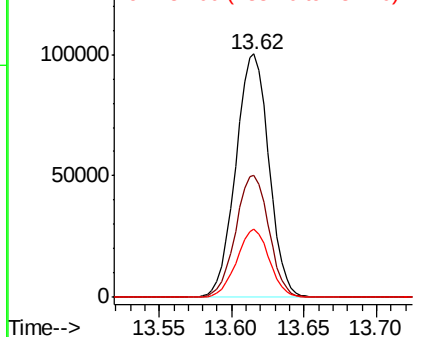
Tot Ion	Ratio	Lower	Upper
91	100		
92	50.1	25.9	77.8
134	27.6	15.2	45.6

Manual Integrations
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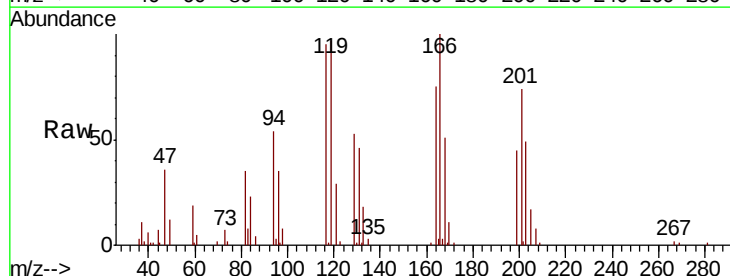


Abundance Ion 91.00 (90.70 to 91.70): VN051960.D (-3668) (-)
Ion 92.00 (91.70 to 92.70): VN051960.D (-3668) (-)
Ion 134.00 (133.70 to 134.70): VN051960.D (-3668) (-)

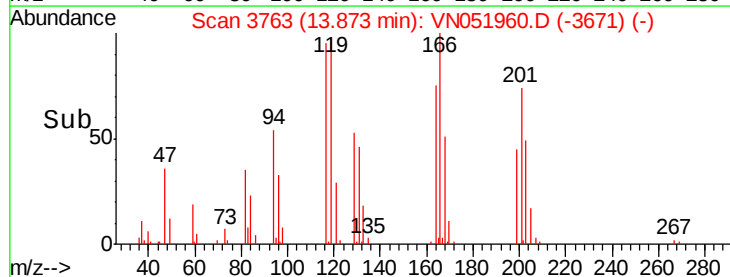
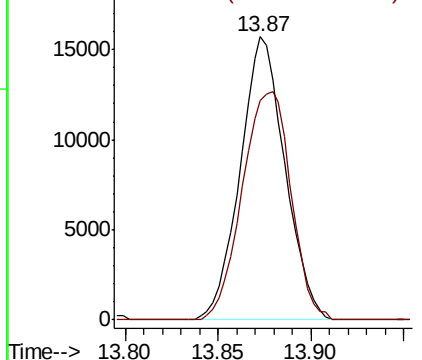


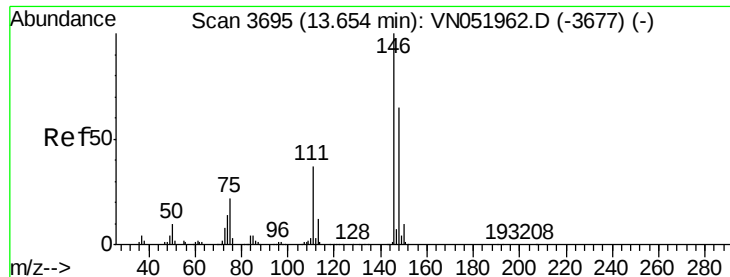
#90
Hexachloroethane
Concen: 4.794 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051960.D
Acq: 23 Oct 2018 13:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.7	45.6	136.9



Abundance Ion 116.80 (116.50 to 117.50): VN051960.D (-3747) (-)
Ion 200.70 (200.40 to 201.40): VN051960.D (-3747) (-)





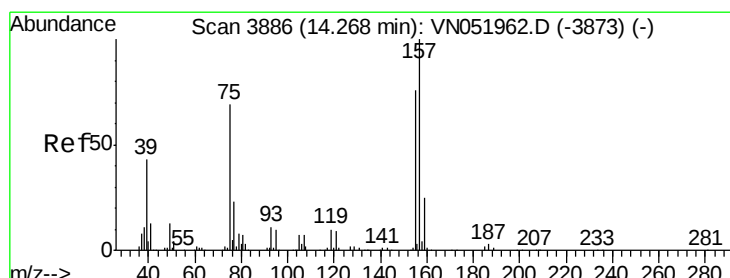
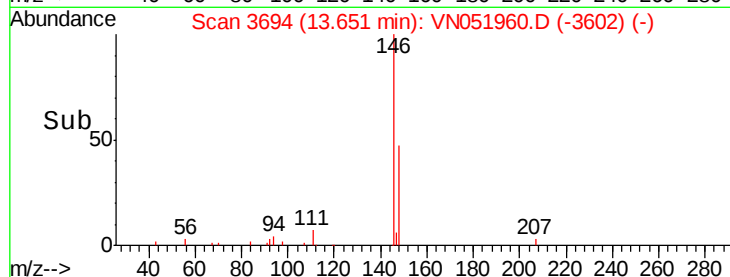
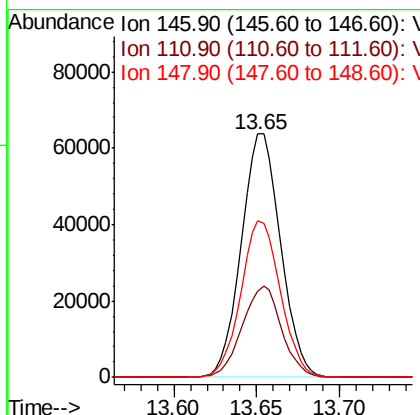
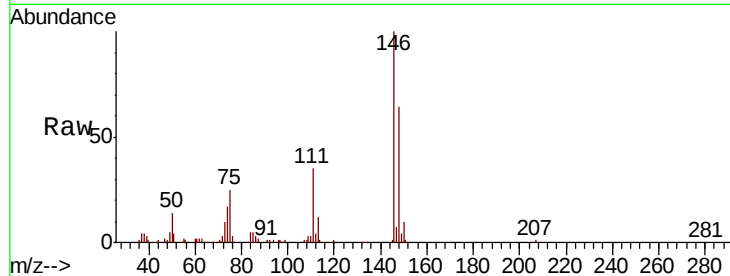
#91
 1,2-Dichlorobenzene
 Concen: 5.155 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN051960.D
 Acq: 23 Oct 2018 13:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.3	54.9
148	64.7	32.4	97.0

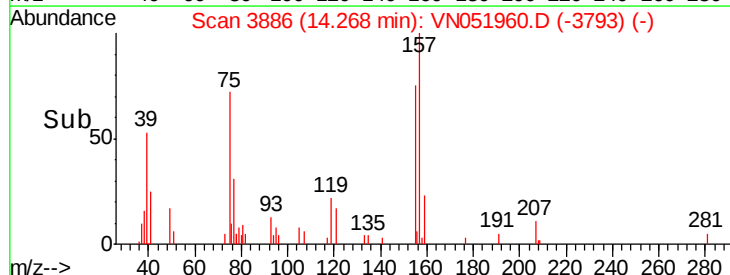
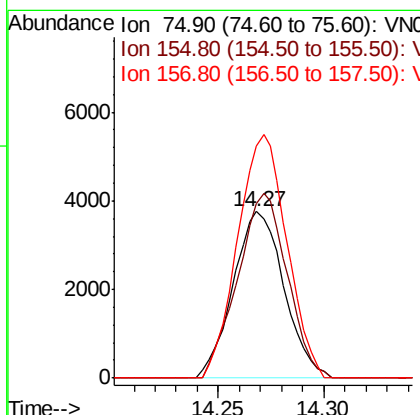
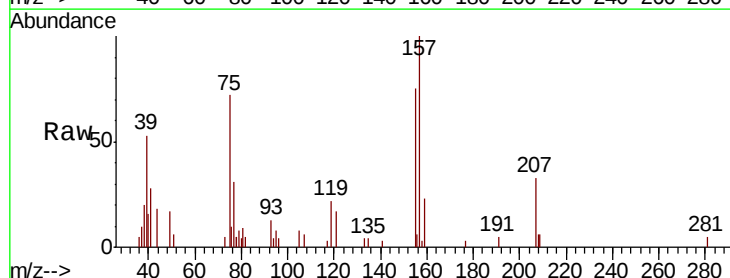
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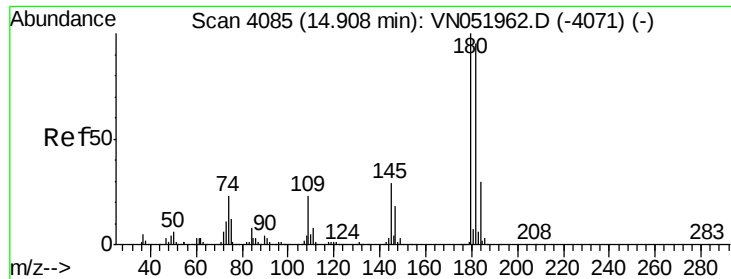
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.782 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051960.D
 Acq: 23 Oct 2018 13:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	108.4	56.0	167.9
157	141.1	73.9	221.6





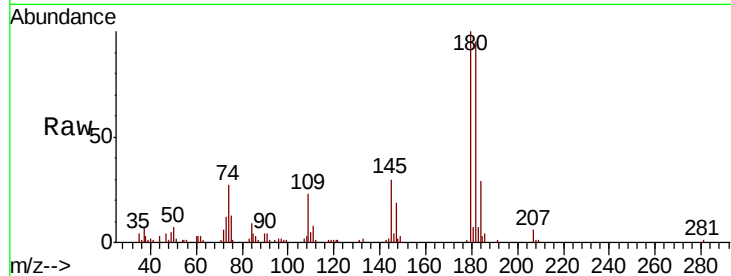
#93
 1,2,4-Trichlorobenzene
 Concen: 4.870 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051960.D
 Acq: 23 Oct 2018 13:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

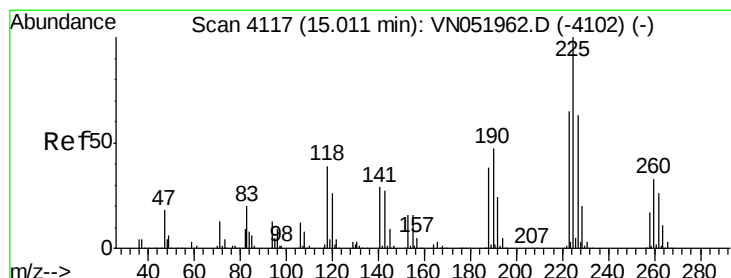
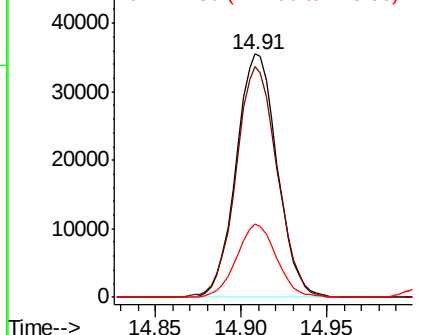
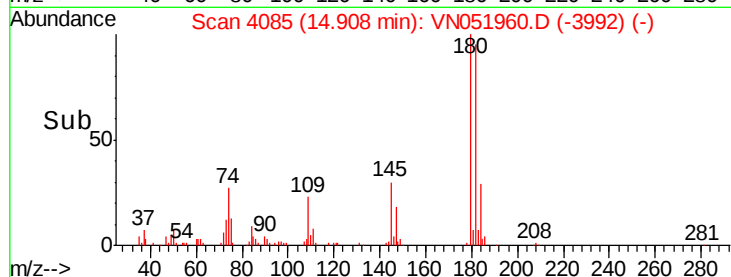
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.8	143.4
145	29.3	14.5	43.5

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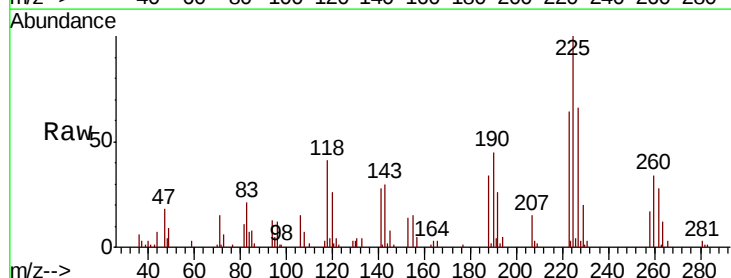


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

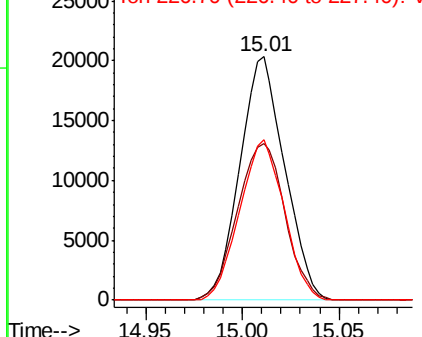
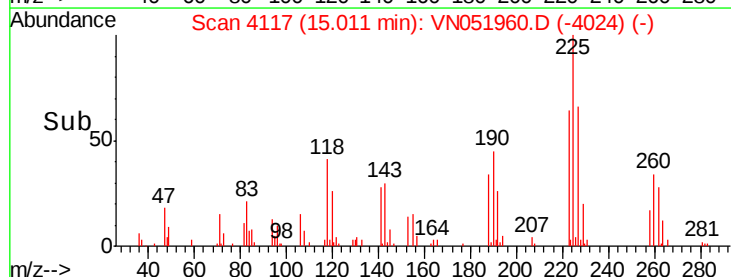


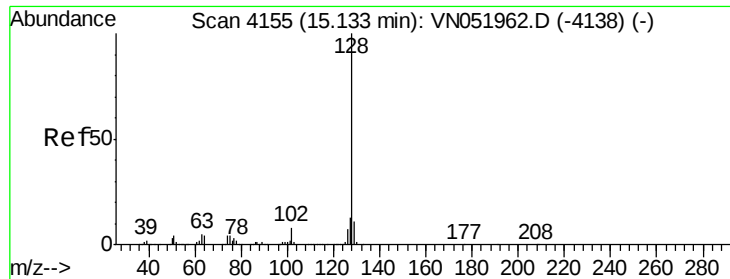
#94
 Hexachlorobutadiene
 Concen: 5.282 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051960.D
 Acq: 23 Oct 2018 13:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	68.4	31.8	95.4
227	65.3	31.4	94.2



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





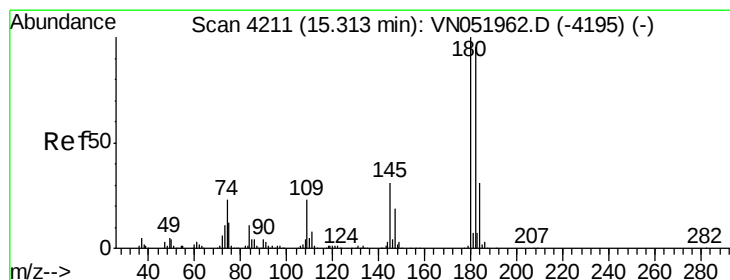
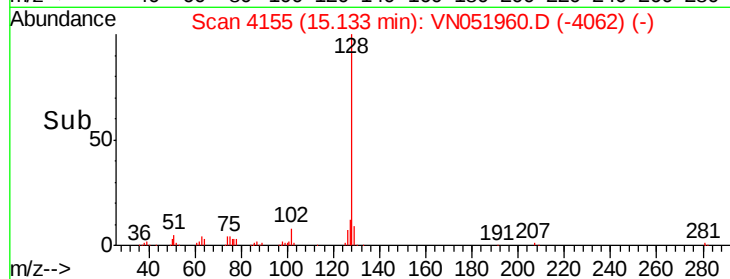
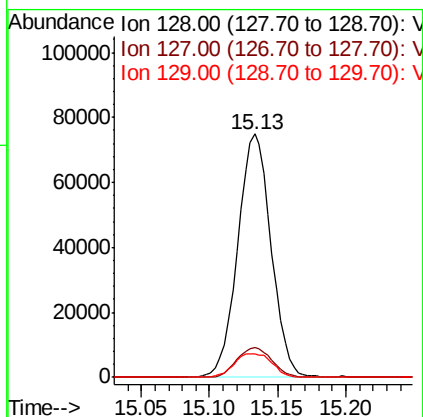
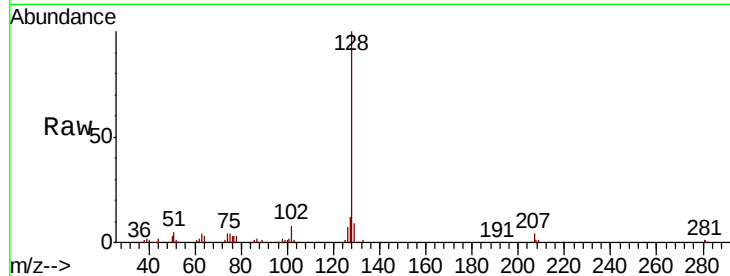
#95
Naphthalene
Concen: 4.841 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051960.D
Acq: 23 Oct 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.1	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 4.903 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN051960.D
Acq: 23 Oct 2018 13:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.9	143.6
145	30.6	15.4	46.2

