

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN013019\
 Data File : VN053559.D
 Acq On : 30 Jan 2019 9:19
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 2/1/2019 9:18:13 AM

Quant Time: Jan 30 10:43:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 30 10:36:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	697902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1086160	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	927649	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	419556	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	36784	5.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.68%	
35) Dibromofluoromethane	7.59	113	33711	5.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.70%	
50) Toluene-d8	10.09	98	124815	4.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.60%	
62) 4-Bromofluorobenzene	12.40	95	39114	4.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	28176	4.730	ug/l	99
3) Chloromethane	2.06	50	38675	4.785	ug/l	99
4) Vinyl Chloride	2.19	62	38098	4.884	ug/l	97
5) Bromomethane	2.57	94	25783	4.853	ug/l	91
6) Chloroethane	2.71	64	22800	4.895	ug/l	98
7) Trichlorofluoromethane	3.02	101	54760	5.350	ug/l	97
8) Diethyl Ether	3.42	74	20245	5.321	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	33739	5.242	ug/l	94
10) Methyl Iodide	3.95	142	49315	4.978	ug/l	99
11) Tert butyl alcohol	4.80	59	9825	27.678	ug/l #	91
12) 1,1-Dichloroethene	3.74	96	31841	5.096	ug/l	98
13) Acrolein	3.62	56	1681	3.249	ug/l #	82
14) Allyl chloride	4.33	41	50726	5.030	ug/l	98
15) Acrylonitrile	5.00	53	57553	25.968	ug/l	99
16) Acetone	3.82	43	48744	29.731	ug/l	100
17) Carbon Disulfide	4.06	76	97890	5.159	ug/l	100
18) Methyl Acetate	4.33	43	27771	5.152	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	81709	4.959	ug/l	97
20) Methylene Chloride	4.55	84	38486	5.228	ug/l	93
21) trans-1,2-Dichloroethene	5.05	96	36445	5.470	ug/l	90
22) Diisopropyl ether	5.95	45	91315	4.412	ug/l #	89
23) Vinyl Acetate	5.90	43	311255	23.979	ug/l	100
24) 1,1-Dichloroethane	5.85	63	66001	5.309	ug/l	99
25) 2-Butanone	6.84	43	65999	26.419	ug/l	96
26) 2,2-Dichloropropane	6.82	77	49514	5.253	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	39784	5.230	ug/l	98
28) Bromochloromethane	7.20	49	27656	5.053	ug/l	93
29) Tetrahydrofuran	7.22	42	40630	24.959	ug/l	98
30) Chloroform	7.37	83	65641	5.413	ug/l	99
31) Cyclohexane	7.66	56	64010	4.691	ug/l #	77
32) 1,1,1-Trichloroethane	7.57	97	53562	5.198	ug/l	98
36) 1,1-Dichloropropene	7.79	75	48591	4.935	ug/l	98
37) Ethyl Acetate	6.93	43	27146	4.777	ug/l #	93
38) Carbon Tetrachloride	7.77	117	51007	5.416	ug/l	94

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 VSTDIC005

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	53971	4.448	ug/l	96
40) Benzene	8.04	78	151128	5.044	ug/l	99
41) Methacrylonitrile	7.17	41	13011	4.344	ug/l #	83
42) 1,2-Dichloroethane	8.12	62	46416	5.310	ug/l	98
43) Isopropyl Acetate	8.17	43	53957	5.319	ug/l #	82
44) Trichloroethene	8.84	130	43627	5.251	ug/l	99
45) 1,2-Dichloropropane	9.12	63	38748	4.896	ug/l	96
46) Dibromomethane	9.21	93	23728	5.195	ug/l	99
47) Bromodichloromethane	9.40	83	48033	5.010	ug/l #	97
48) Methyl methacrylate	9.20	41	24099	4.633	ug/l	96
49) 1,4-Dioxane	9.21	88	6395	116.462	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	120397	21.852	ug/l	100
52) Toluene	10.16	92	88902	4.805	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	44928	4.640	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	54155	4.754	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	32352	5.042	ug/l	95
56) Ethyl methacrylate	10.43	69	33361	4.138	ug/l	100
57) 1,3-Dichloropropane	10.71	76	55686	5.047	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	98712	22.072	ug/l	100
59) 2-Hexanone	10.75	43	79509	20.682	ug/l	100
60) Dibromochloromethane	10.90	129	35220	4.846	ug/l	98
61) 1,2-Dibromoethane	11.01	107	31801	4.944	ug/l	100
64) Tetrachloroethene	10.63	164	40812	4.751	ug/l	97
65) Chlorobenzene	11.43	112	101337	5.193	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	34818	5.106	ug/l	98
67) Ethyl Benzene	11.51	91	159771	4.822	ug/l	99
68) m/p-Xylenes	11.62	106	121448	9.691	ug/l	99
69) o-Xylene	11.95	106	58863	4.830	ug/l	100
70) Styrene	11.96	104	92120	4.670	ug/l	99
71) Bromoform	12.13	173	22018	4.688	ug/l #	99
73) Isopropylbenzene	12.25	105	153460	5.060	ug/l	99
74) N-amyl acetate	12.07	43	34933	4.395	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	37526	5.781	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	27404m	4.952	ug/l	
77) Bromobenzene	12.53	156	40352	5.023	ug/l	99
78) n-propylbenzene	12.59	91	172711	4.949	ug/l	98
79) 2-Chlorotoluene	12.67	91	104722	5.061	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	124745	5.023	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	8967	4.691	ug/l	92
82) 4-Chlorotoluene	12.77	91	106263	5.031	ug/l	99
83) tert-Butylbenzene	12.99	119	112296	5.135	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	127725	5.094	ug/l	98
85) sec-Butylbenzene	13.17	105	153728	5.120	ug/l	99
86) p-Isopropyltoluene	13.29	119	129558	4.963	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	72219	5.107	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	70228	4.942	ug/l	95
89) n-Butylbenzene	13.62	91	107175	4.809	ug/l	100
90) Hexachloroethane	13.87	117	20947	5.097	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	70372	5.374	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	4871	5.765	ug/l	95

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ClientSampleId :
VSTDICC005

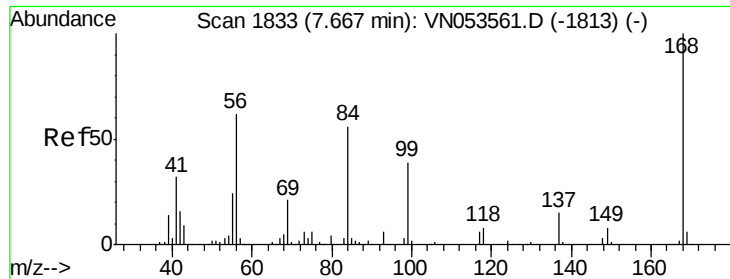
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	34991	6.338	ug/l	96
94) Hexachlorobutadiene	15.01	225	25704	6.166	ug/l	99
95) Naphthalene	15.13	128	65445	6.688	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	32099	7.614	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: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tgt Ion: 168 Resp: 697902

Ion Ratio Lower Upper

168 100

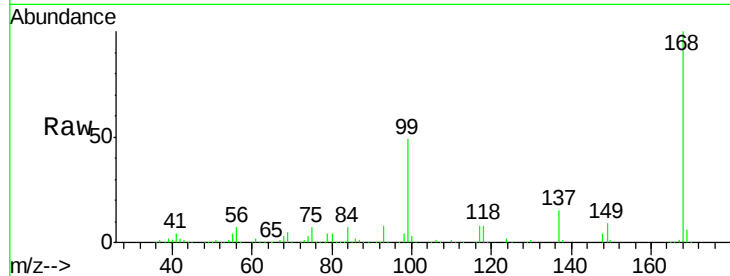
99 48.1 39.1 58.7

Manual Integrations

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2/1/2019 9:18:13 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

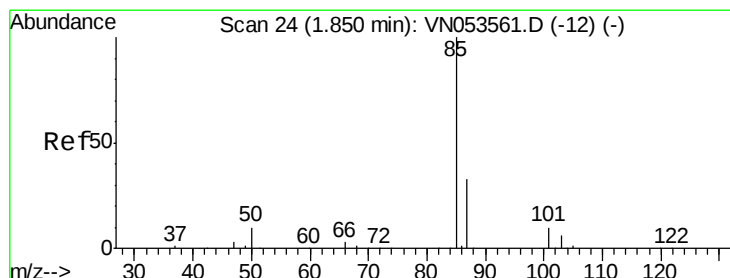
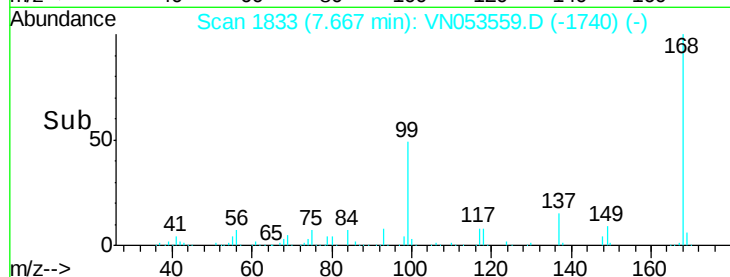
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: 4.730 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053559.D

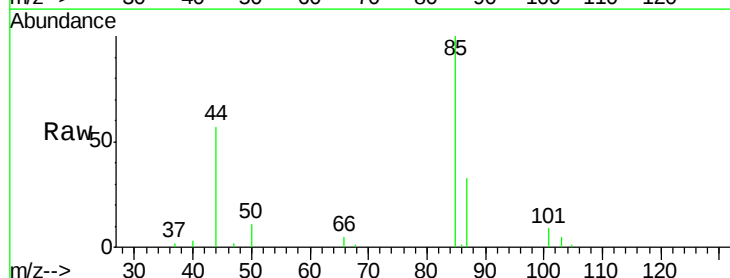
Acq: 30 Jan 2019 9:19

Tgt Ion: 85 Resp: 28176

Ion Ratio Lower Upper

85 100

87 33.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

20000

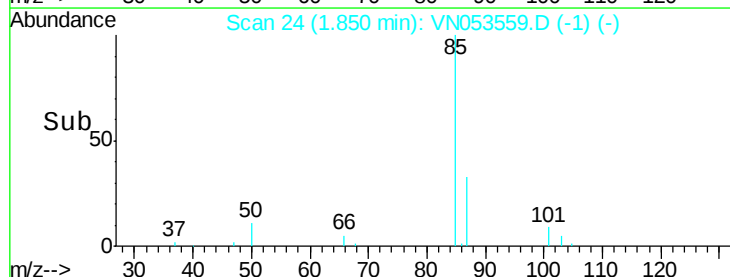
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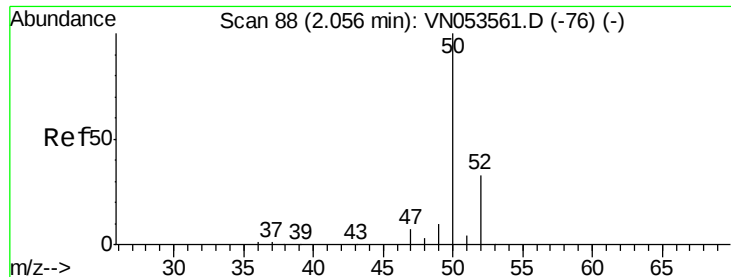
10000

5000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 4.785 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tgt Ion: 50 Resp: 38675

Ion Ratio Lower Upper

50 100

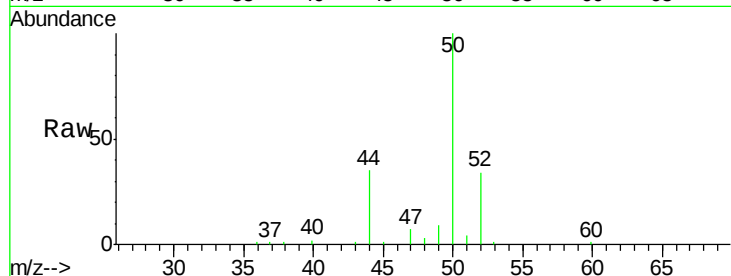
52 33.7 26.6 40.0

Manual Integrations

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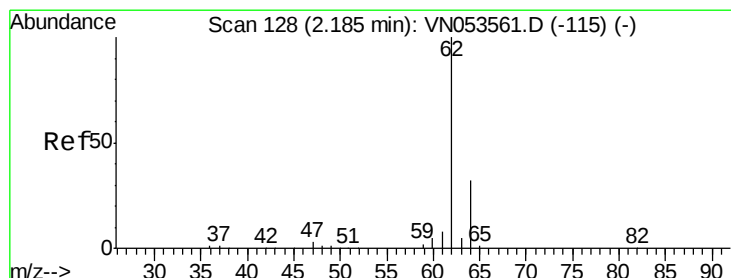
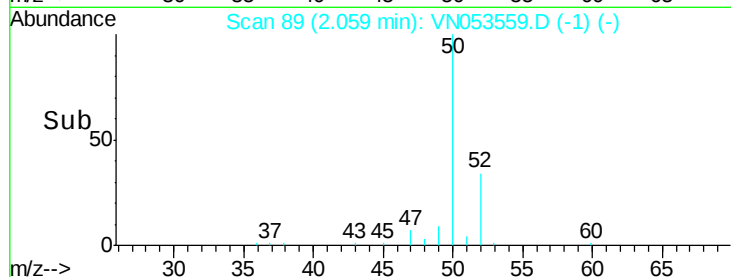
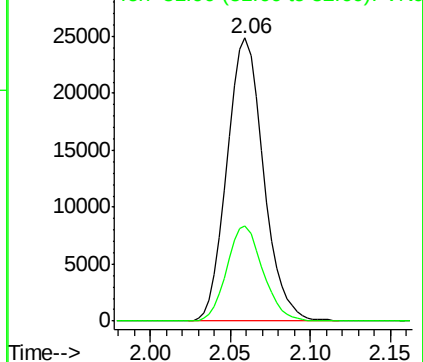
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 4.884 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053559.D

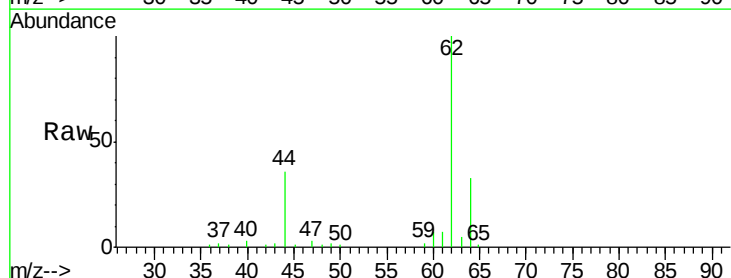
Acq: 30 Jan 2019 9:19

Tgt Ion: 62 Resp: 38098

Ion Ratio Lower Upper

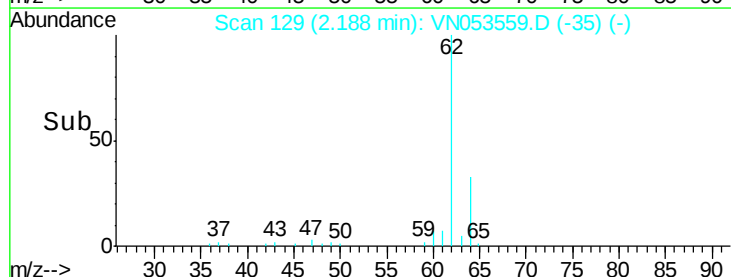
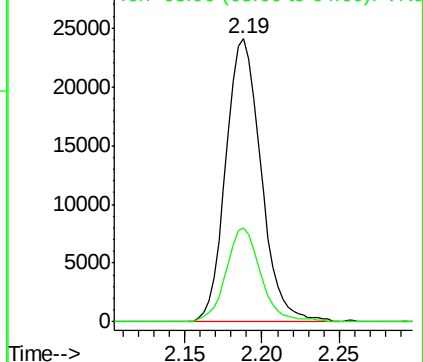
62 100

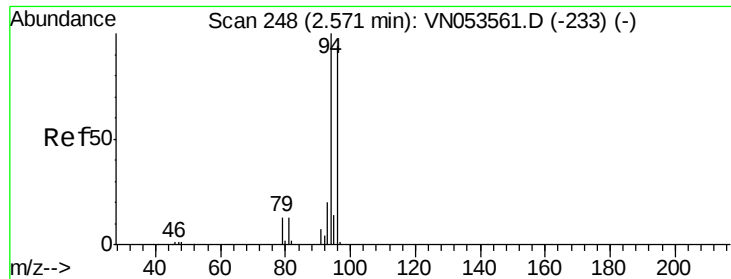
64 33.3 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 4.853 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 94 Resp: 25783

Ion Ratio Lower Upper

94 100

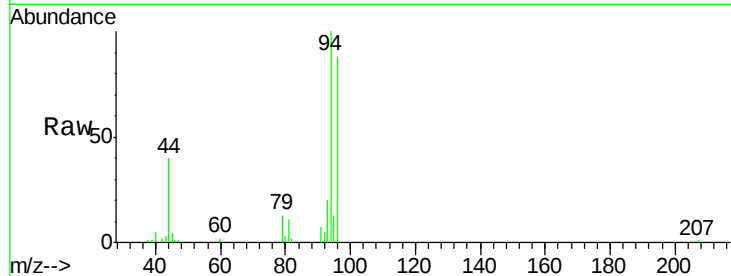
96 87.6 76.8 115.2

Manual Integrations

APPROVED

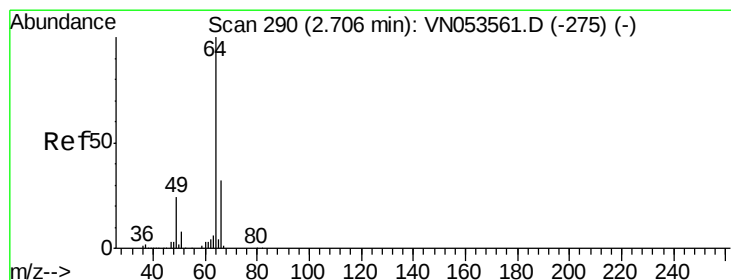
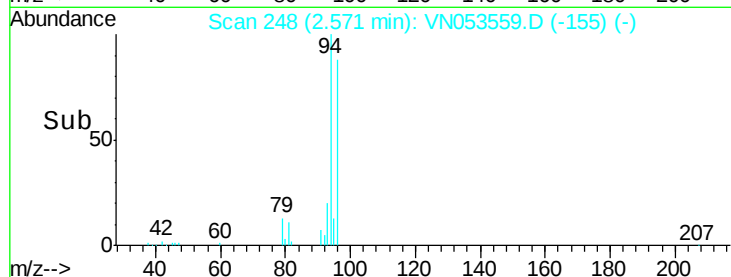
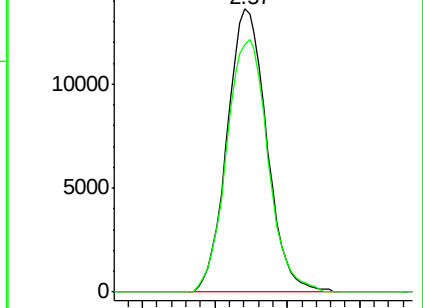
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Abundance Ion 93.90 (93.60 to 94.60): VN053559.D (-155) (-)

Ion 95.90 (95.60 to 96.60): VN053559.D (-155) (-)



#6

Chloroethane

Concen: 4.895 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053559.D

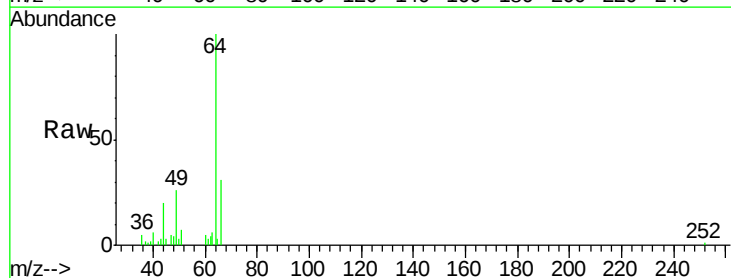
Acq: 30 Jan 2019 9:19

Tgt Ion: 64 Resp: 22800

Ion Ratio Lower Upper

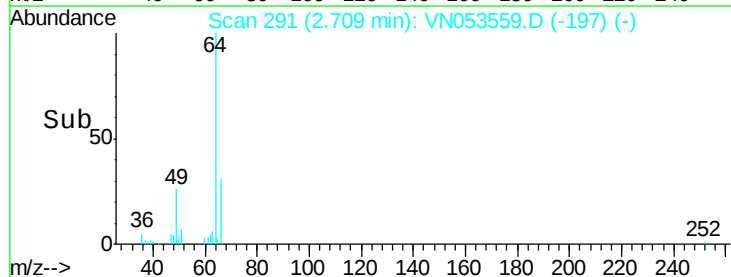
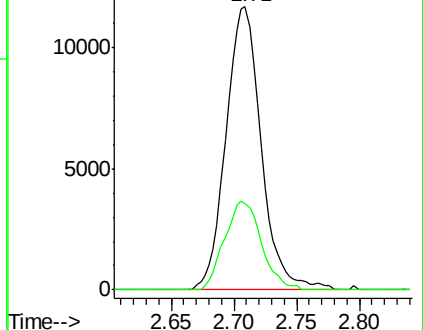
64 100

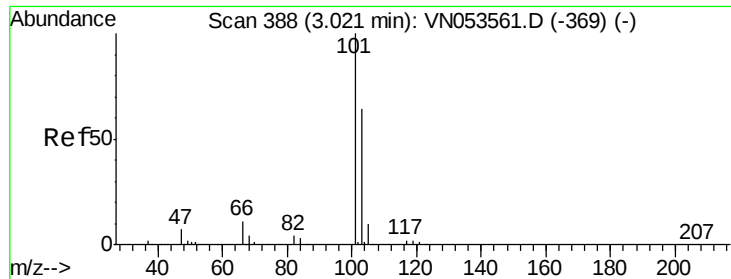
66 30.5 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN053559.D (-197) (-)

Ion 65.90 (65.60 to 66.60): VN053559.D (-197) (-)





#7

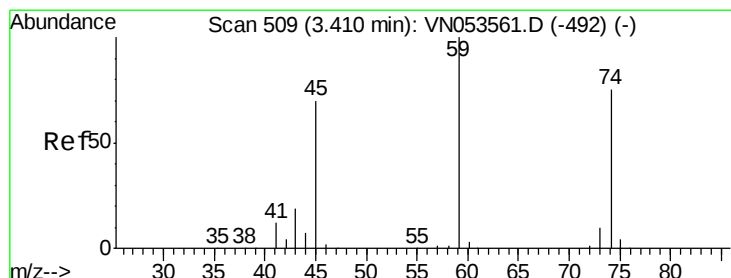
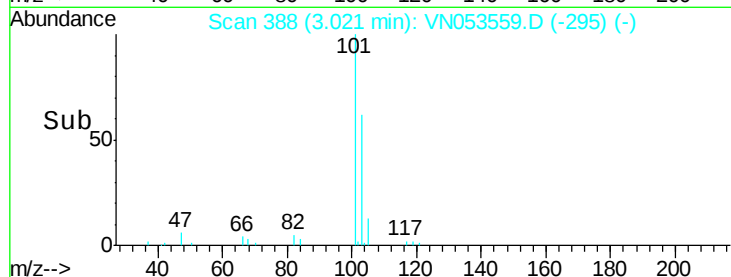
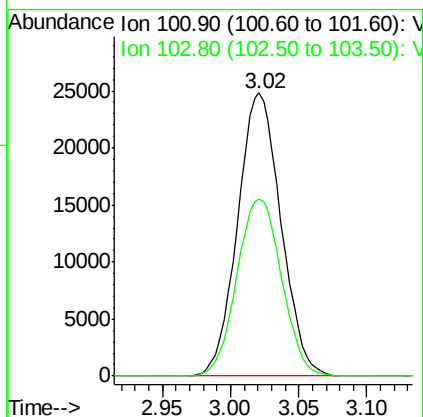
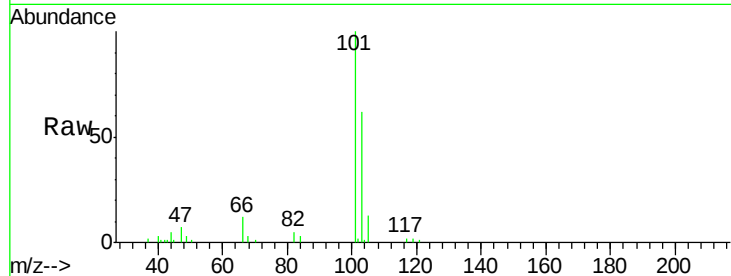
Trichlorofluoromethane
Concen: 5.350 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 101 Resp: 54760
Ion Ratio Lower Upper
101 100
103 62.4 51.6 77.4

Manual Integrations
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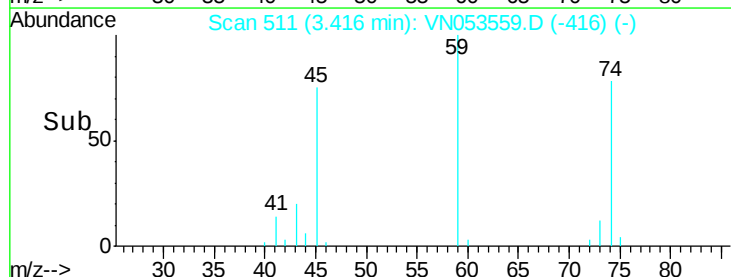
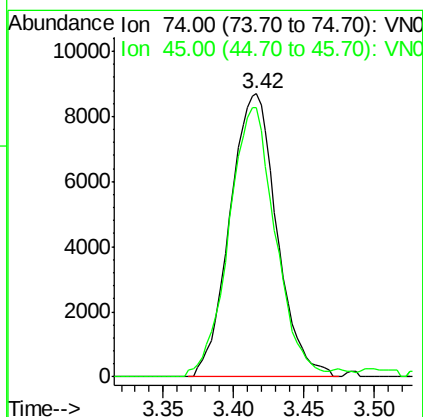
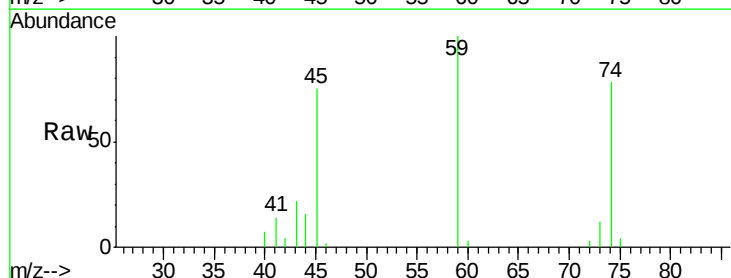
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2/1/2019 9:18:13 AM

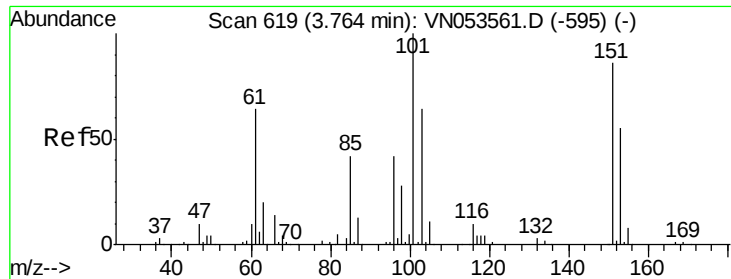


#8

Diethyl Ether
Concen: 5.321 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.01 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Tgt Ion: 74 Resp: 20245
Ion Ratio Lower Upper
74 100
45 94.4 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.242 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.01 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

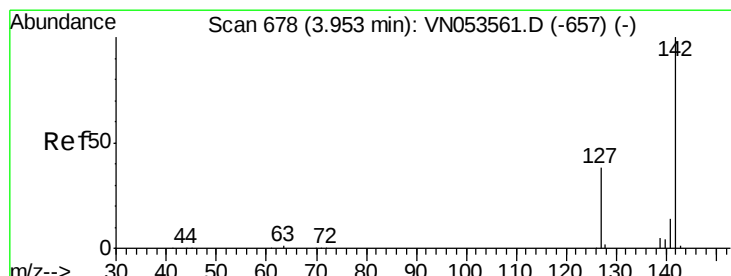
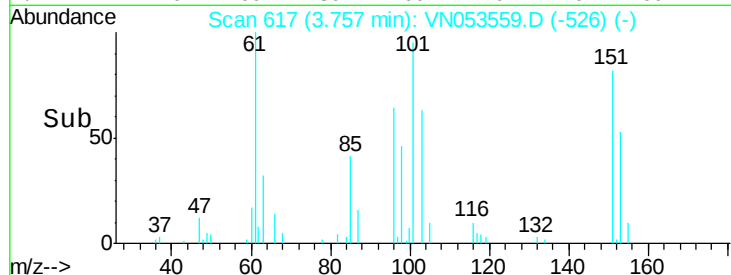
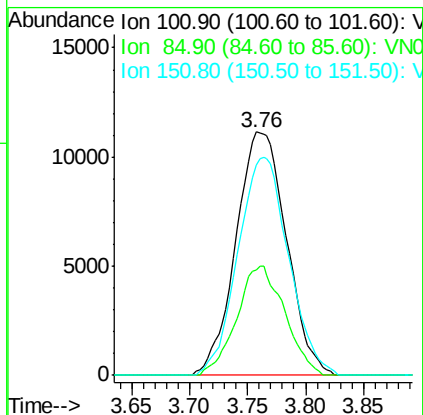
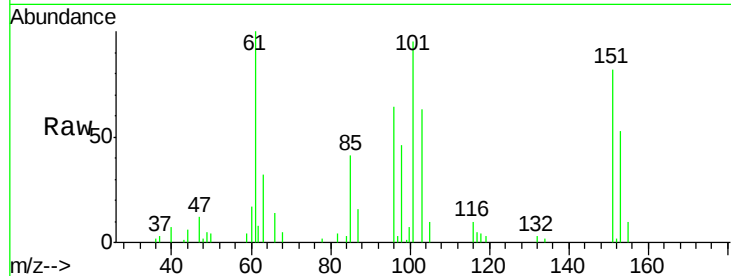
ClientSampled :

VSTDIC005

Tgt Ion:	101	Resp:	33739
Ion Ratio	Lower	Upper	
101	100		
85	42.7	32.8	49.2
151	89.8	66.9	100.3

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#10

Methyl Iodide

Concen: 4.978 ug/l

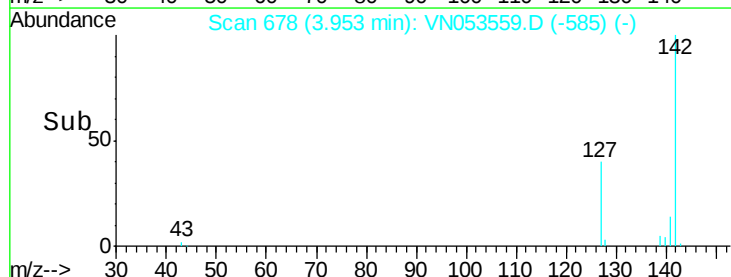
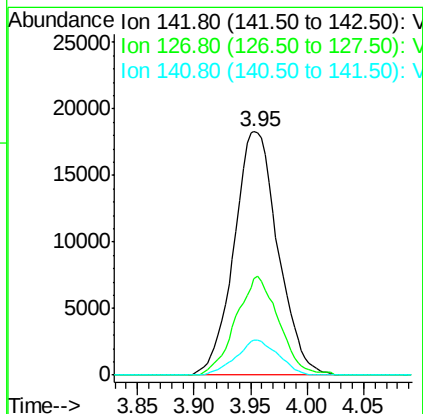
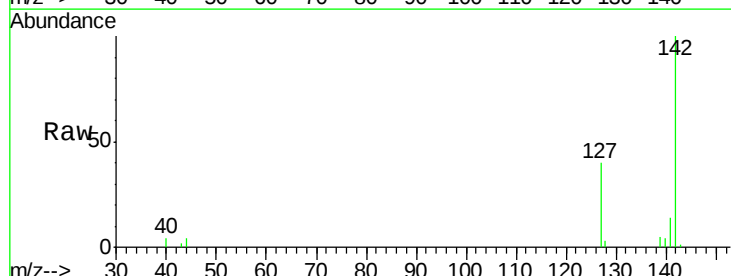
RT: 3.95 min Scan# 678

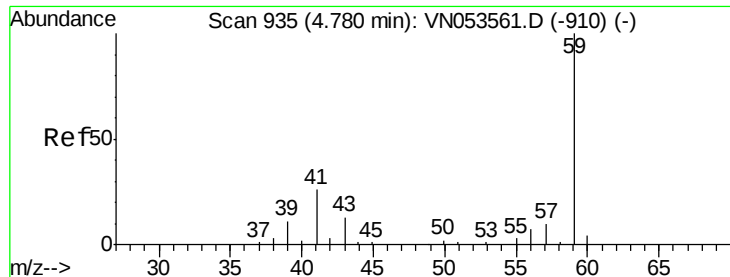
Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Tgt Ion:	142	Resp:	49315
Ion Ratio	Lower	Upper	
142	100		
127	39.7	31.0	46.4
141	13.9	11.1	16.7





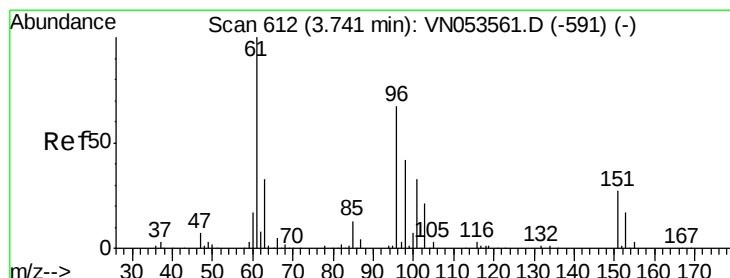
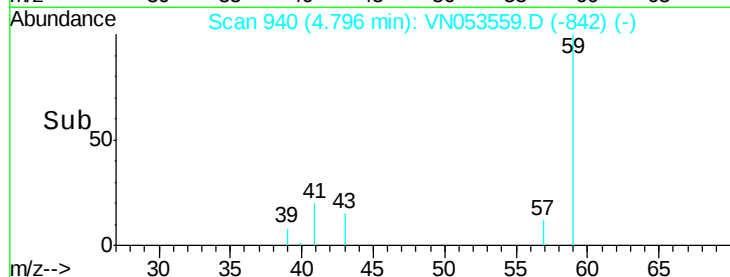
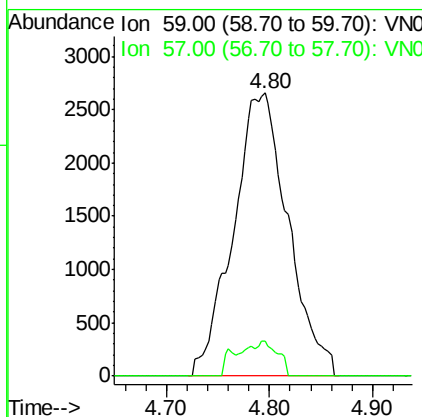
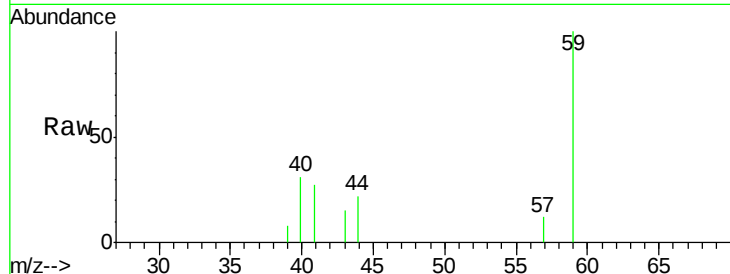
#11
Tert butyl alcohol
Concen: 27.678 ug/l
RT: 4.80 min Scan# 940
Delta R.T. 0.02 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 59 Resp: 9825
Ion Ratio Lower Upper
59 100
57 7.0 8.2 12.4#

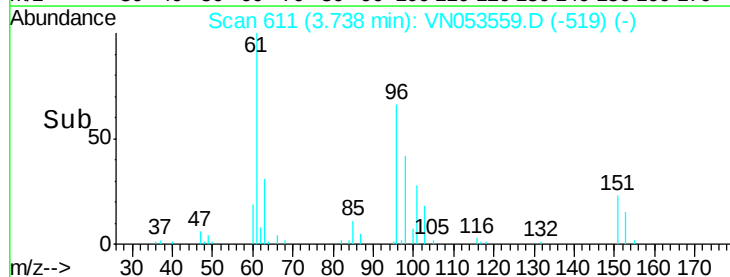
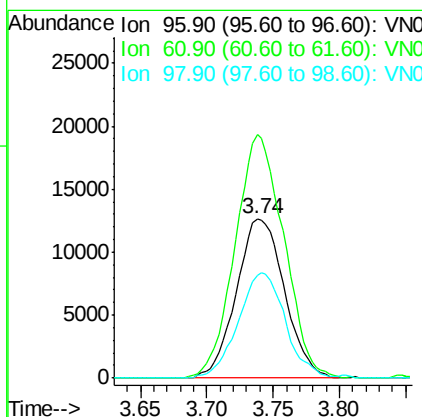
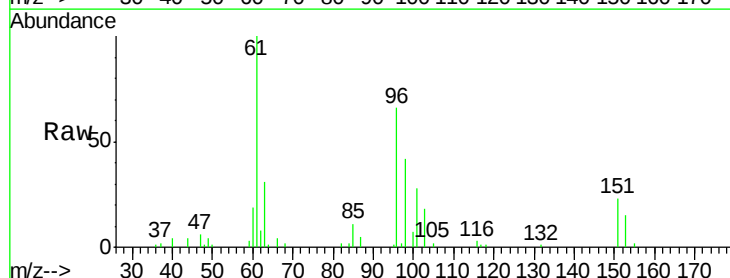
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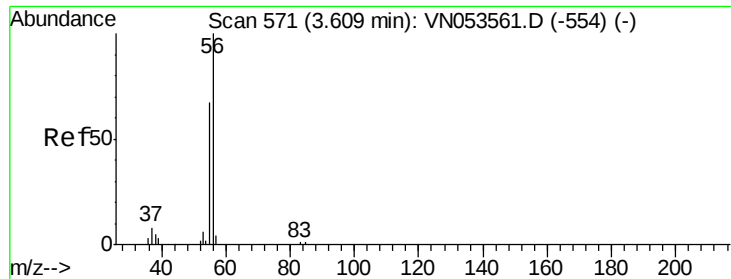
MMDadoda
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#12
1,1-Dichloroethene
Concen: 5.096 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Tgt Ion: 96 Resp: 31841
Ion Ratio Lower Upper
96 100
61 151.2 122.9 184.3
98 64.3 49.4 74.0





#13

Acrolein

Concen: 3.249 ug/l

RT: 3.62 min Scan# 574

Delta R.T. 0.01 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 1681

Ion Ratio Lower Upper

56 100

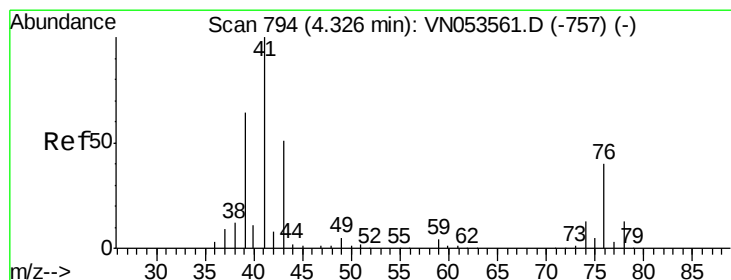
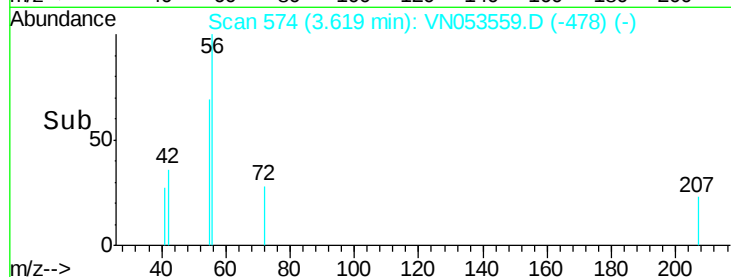
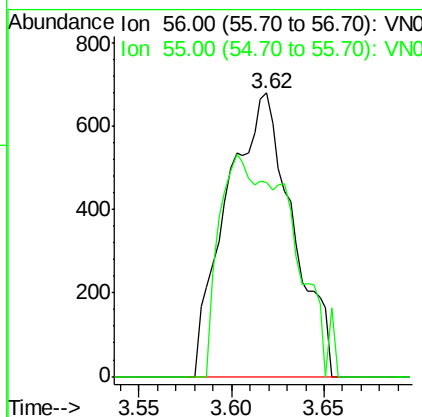
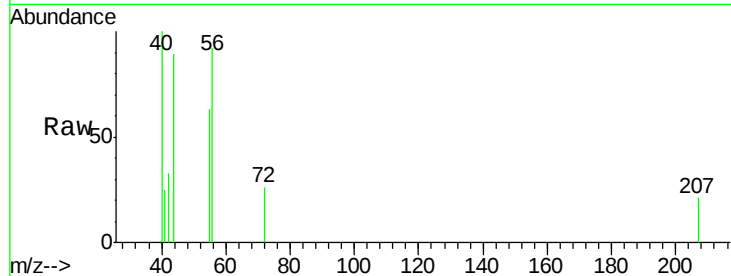
55 86.5 57.4 86.0#

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#14

Allyl chloride

Concen: 5.030 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

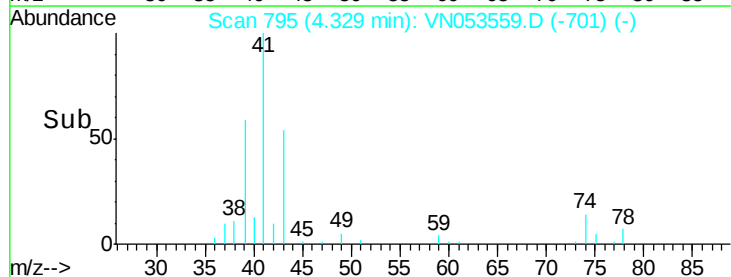
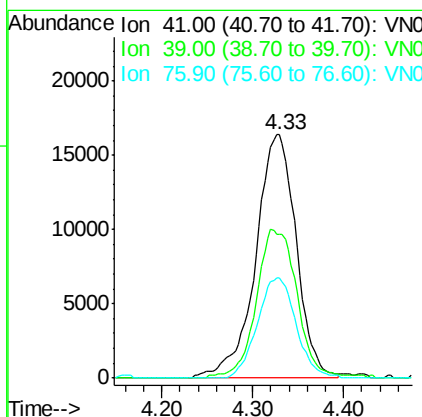
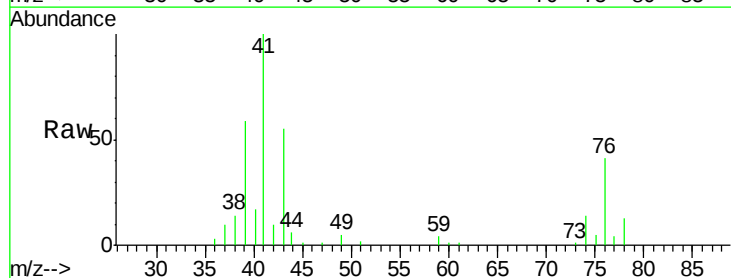
Tgt Ion: 41 Resp: 50726

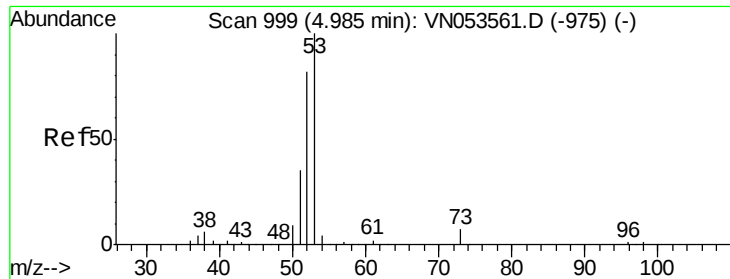
Ion Ratio Lower Upper

41 100

39 61.2 48.9 73.3

76 39.4 29.4 44.2





#15

Acrylonitrile

Concen: 25.968 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

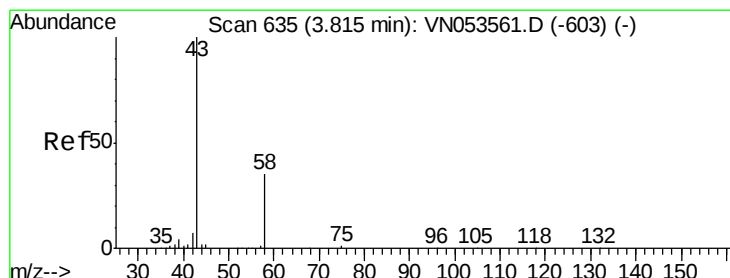
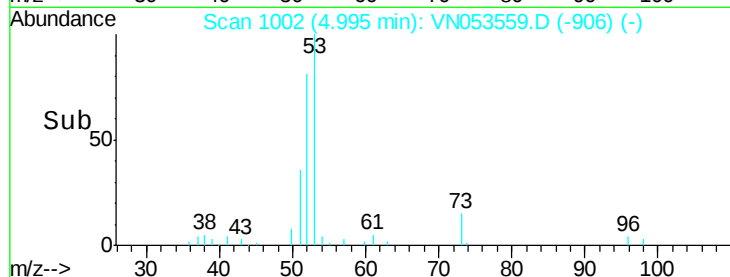
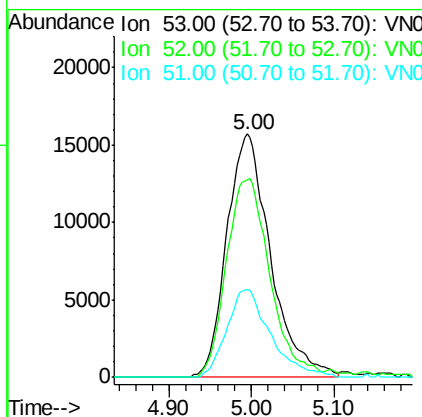
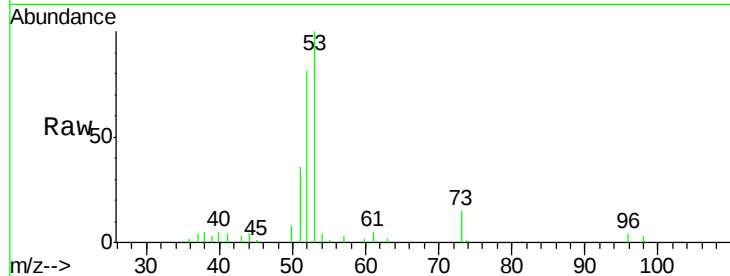
ClientSampleId :

VSTDIC005

Tgt Ion:	53	Resp:	57553
Ion	Ratio	Lower	Upper
53	100		
52	81.1	66.0	99.0
51	36.1	28.3	42.5

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#16

Acetone

Concen: 29.731 ug/l

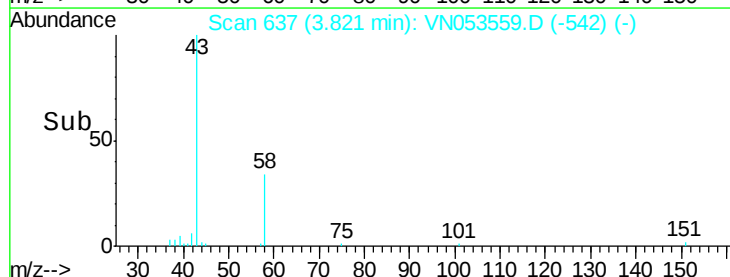
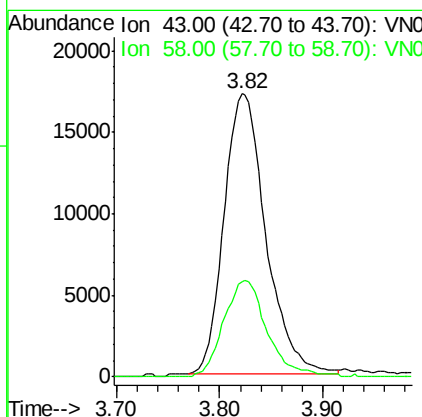
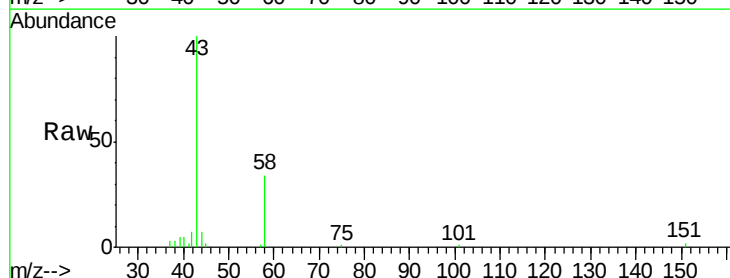
RT: 3.82 min Scan# 637

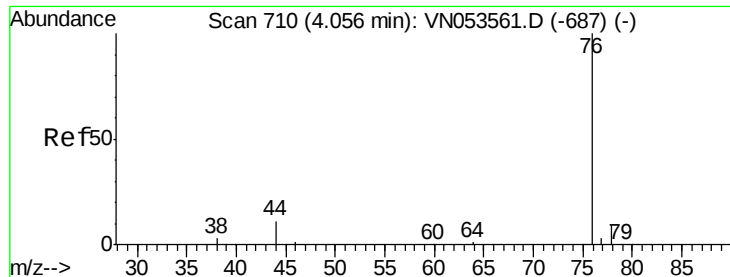
Delta R.T. 0.01 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Tgt Ion:	43	Resp:	48744
Ion	Ratio	Lower	Upper
43	100		
58	33.8	27.1	40.7





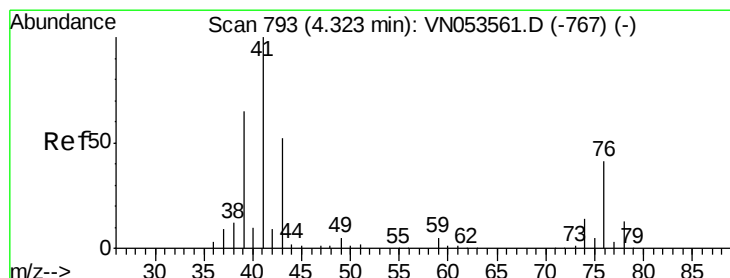
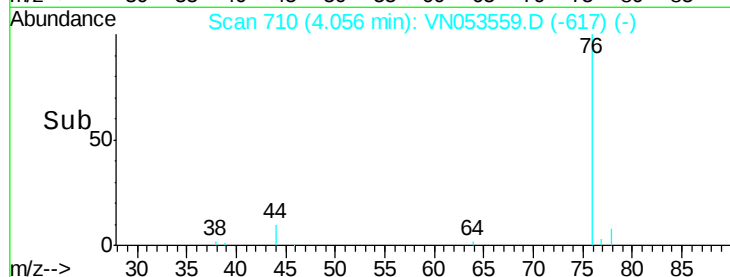
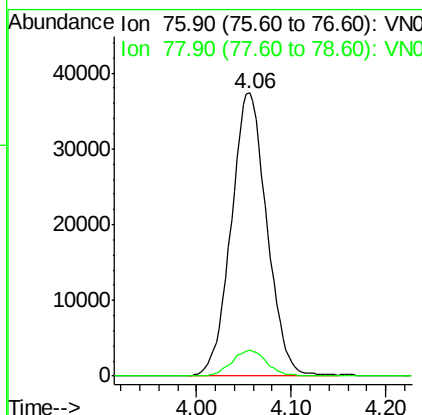
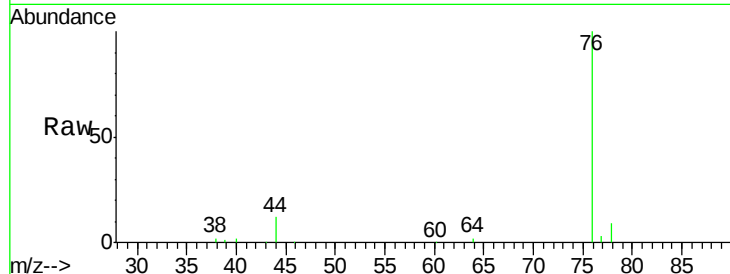
#17
Carbon Disulfide
Concen: 5.159 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 76 Resp: 97890
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9

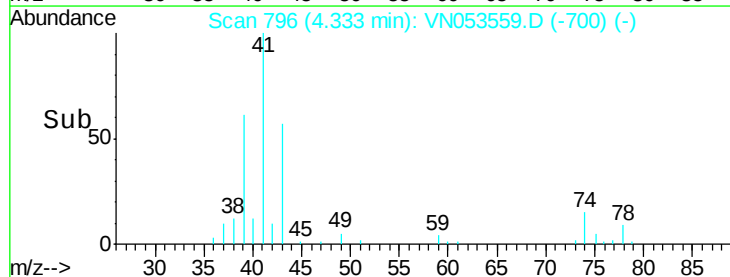
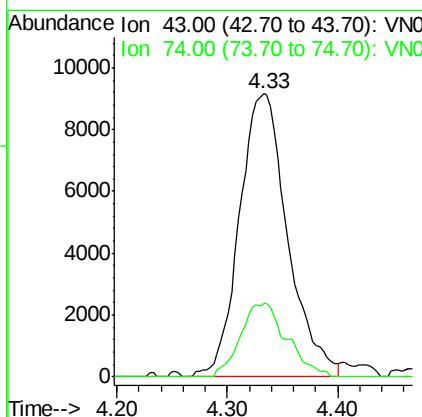
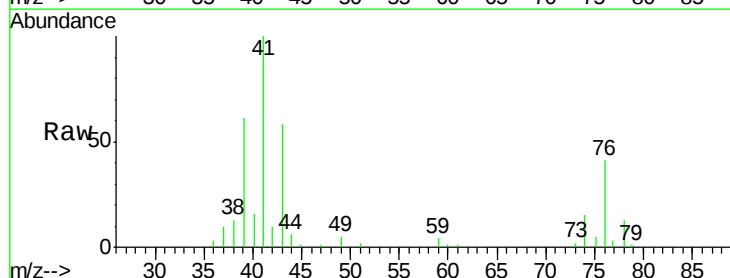
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#18
Methyl Acetate
Concen: 5.152 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Tgt Ion: 43 Resp: 27771
Ion Ratio Lower Upper
43 100
74 25.0 19.4 29.2





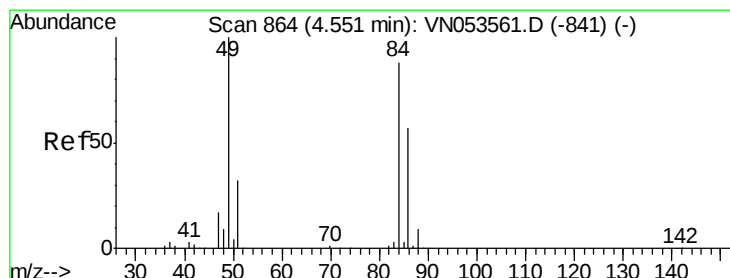
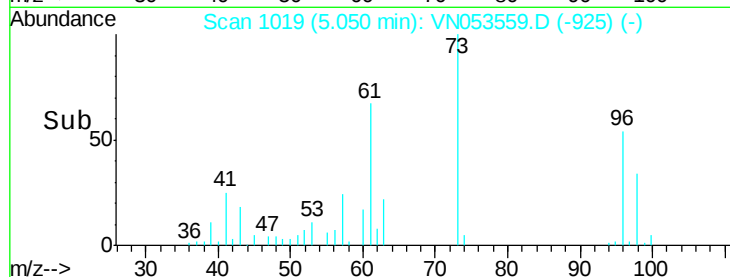
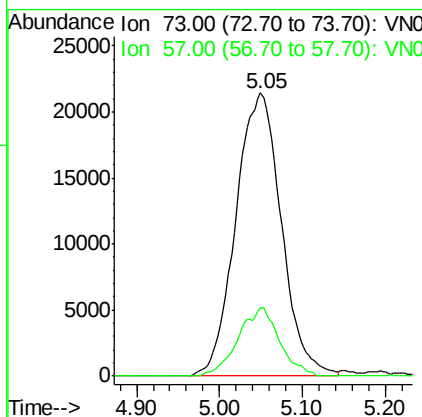
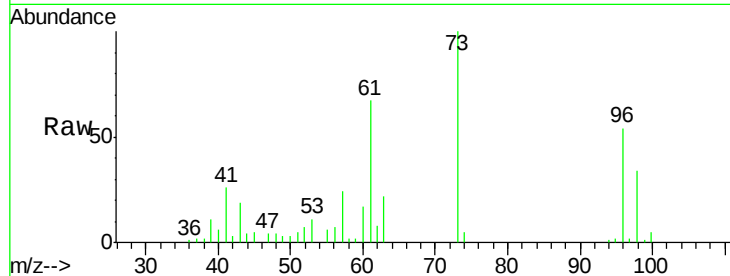
#19
Methyl tert-butyl Ether
Concen: 4.959 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tgt Ion: 73 Resp: 81709
Ion Ratio Lower Upper
73 100
57 24.2 18.3 27.5

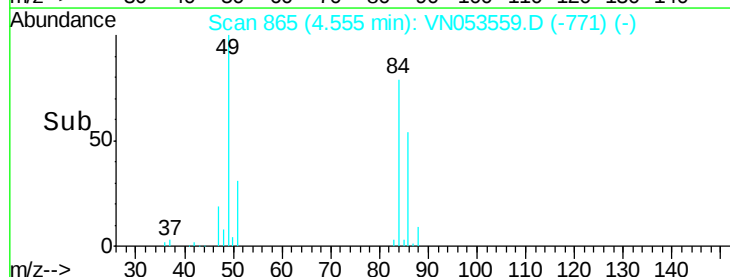
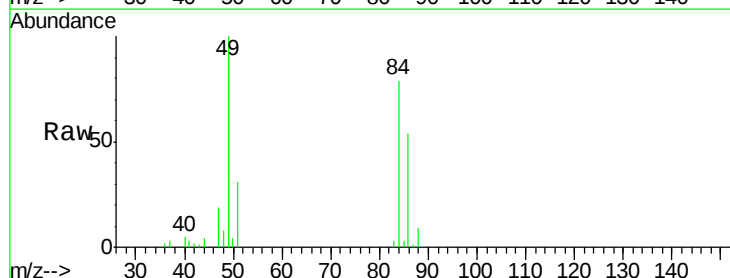
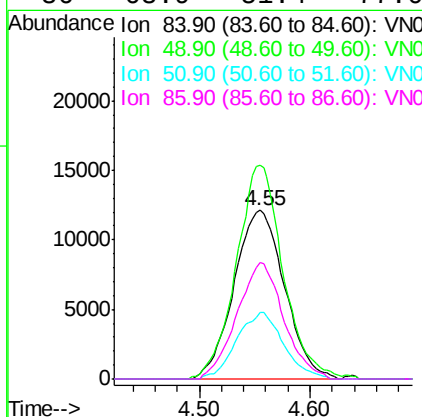
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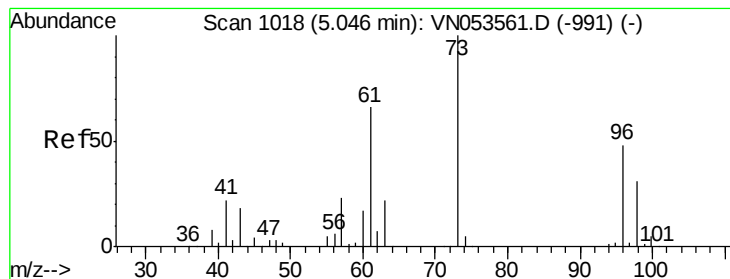
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#20
Methylene Chloride
Concen: 5.228 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Tgt Ion: 84 Resp: 38486
Ion Ratio Lower Upper
84 100
49 126.4 94.3 141.5
51 39.2 29.4 44.2
86 68.9 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 5.470 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

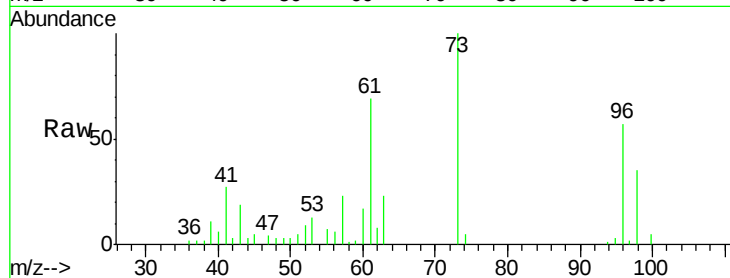
ClientSampled :

VSTDIC005

Tgt Ion:	96	Resp:	36445
Ion	Ratio	Lower	Upper
96	100		
61	121.1	110.1	165.1
98	62.2	50.0	75.0

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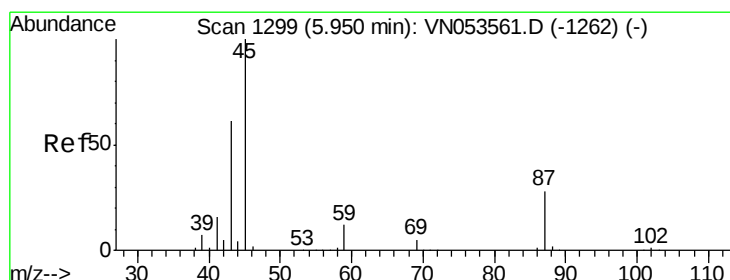
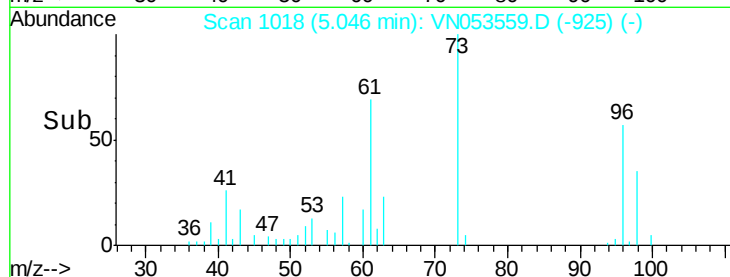
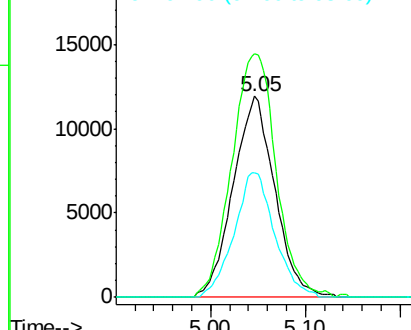


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 4.412 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Tgt Ion:	45	Resp:	91315
Ion	Ratio	Lower	Upper
45	100		
43	67.3	44.2	66.4#
87	30.3	22.7	34.1
59	12.1	9.4	14.2

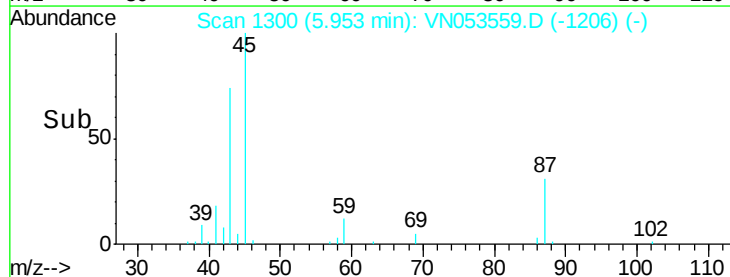
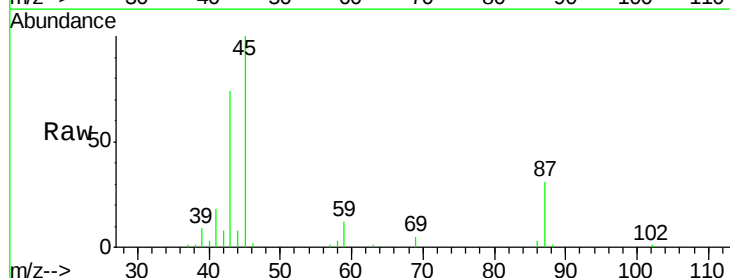
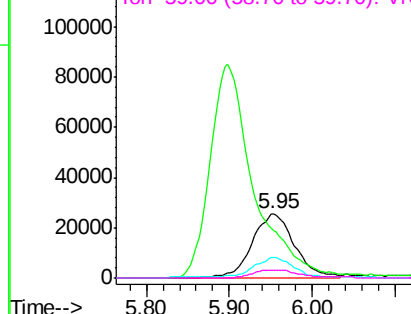
Abundance

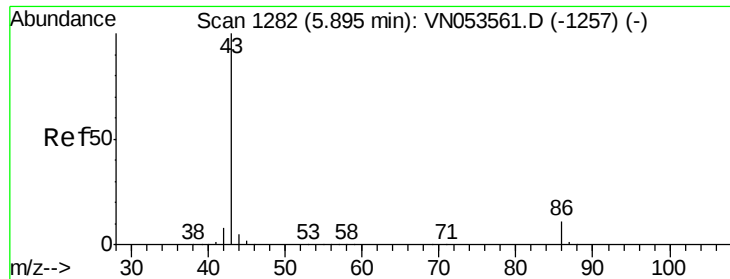
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





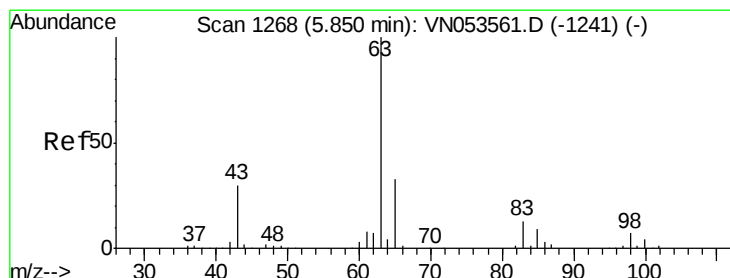
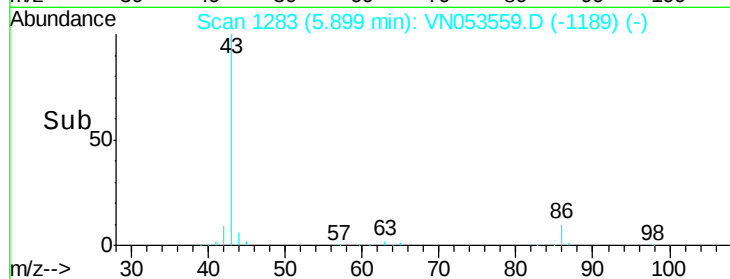
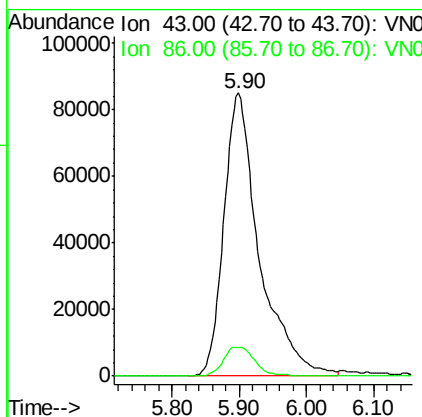
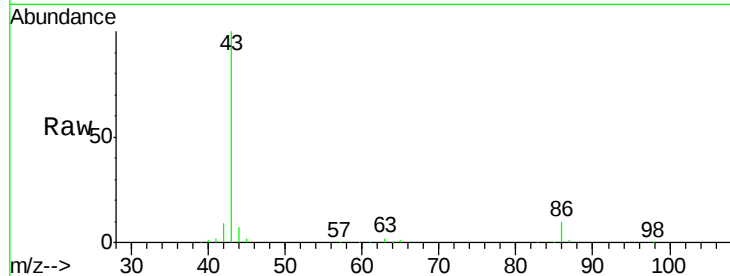
#23
 Vinyl Acetate
 Concen: 23.979 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN053559.D
 Acq: 30 Jan 2019 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	311255		
86	10.3		8.4	12.6

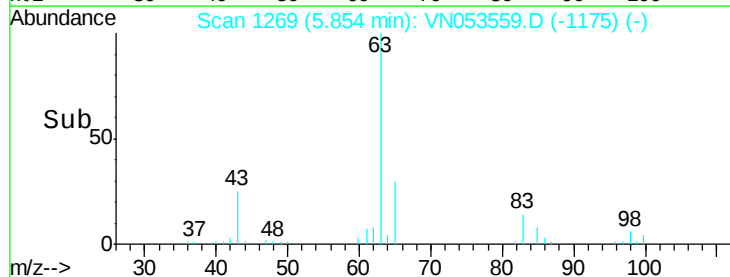
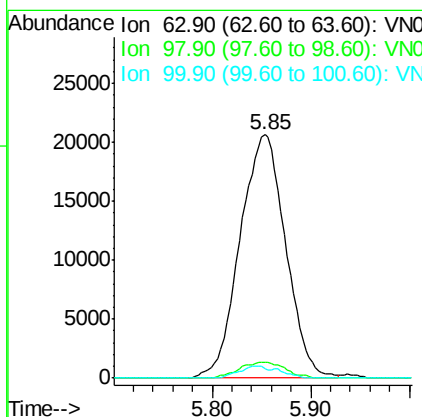
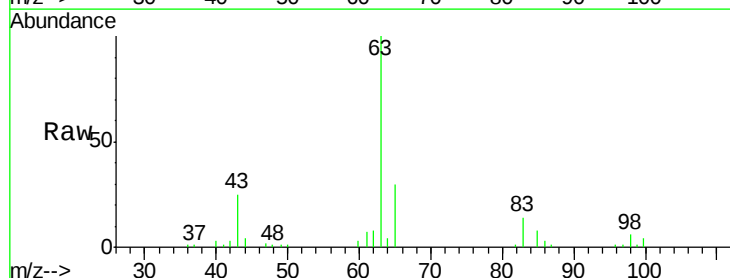
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#24
 1,1-Dichloroethane
 Concen: 5.309 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053559.D
 Acq: 30 Jan 2019 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	66001		
98	6.5		3.3	9.9
100	4.0		2.1	6.5





#25

2-Butanone

Concen: 26.419 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

ClientSampleID :

VSTDIC005

Tgt Ion: 43 Resp: 65999

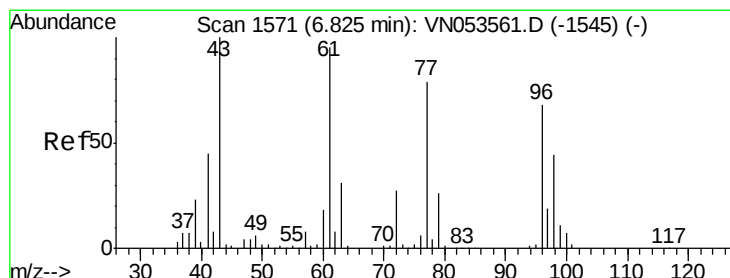
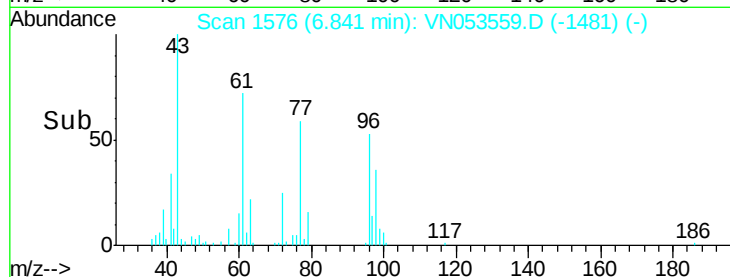
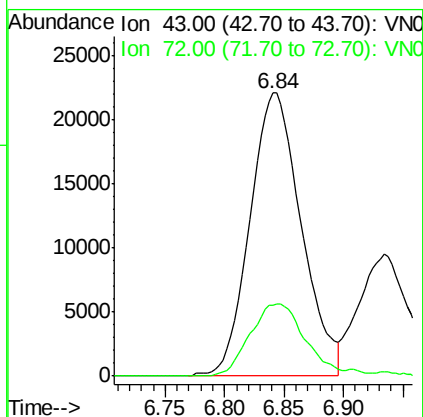
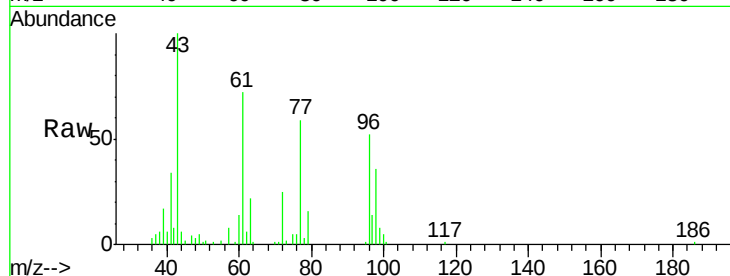
Ion Ratio Lower Upper

43 100

72 25.2 22.0 33.0

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 5.253 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053559.D

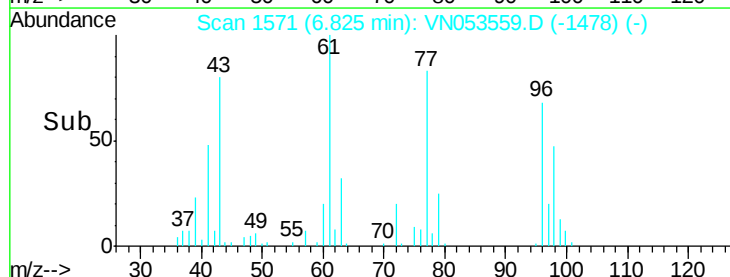
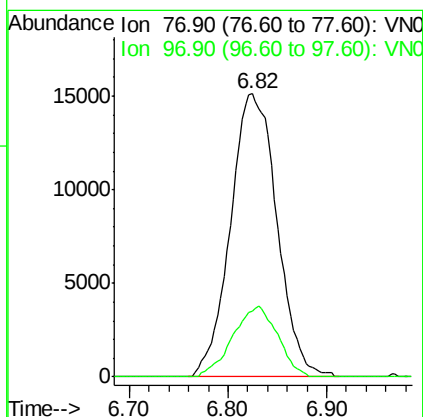
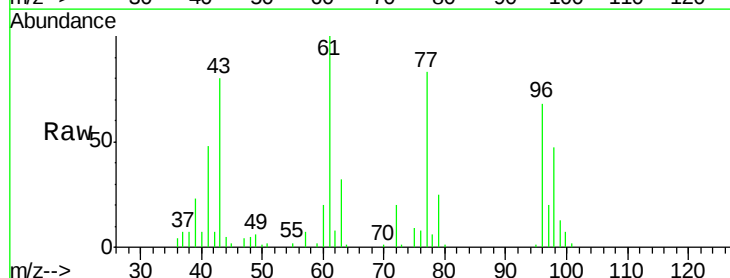
Acq: 30 Jan 2019 9:19

Tgt Ion: 77 Resp: 49514

Ion Ratio Lower Upper

77 100

97 24.2 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 5.230 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

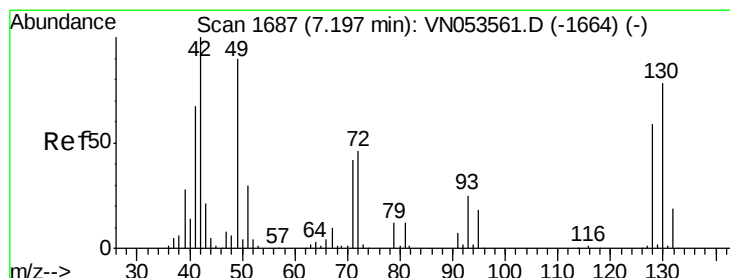
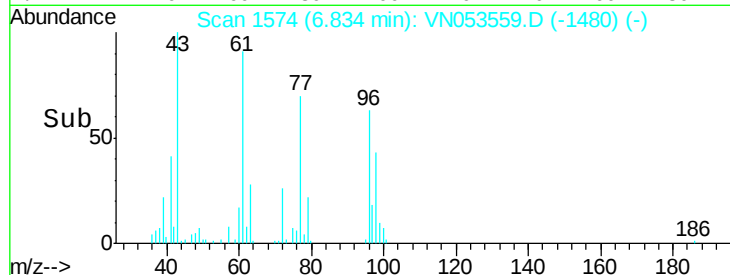
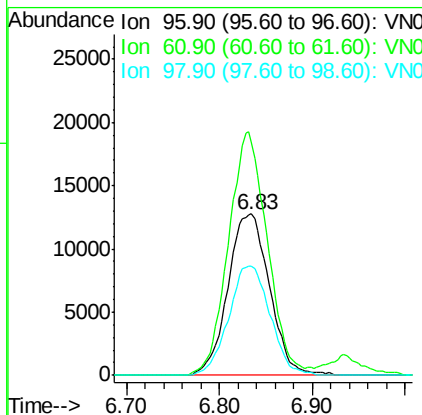
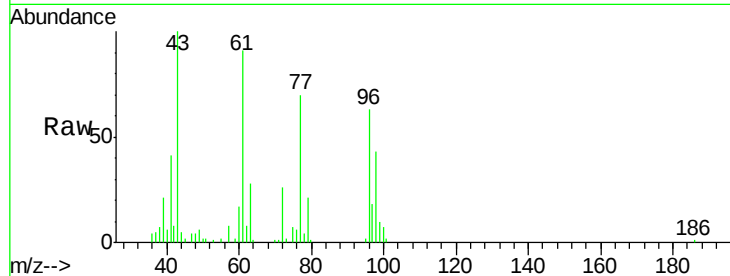
ClientSampled :

VSTDIC005

Tgt Ion:	96	Resp:	39784
Ion	Ratio	Lower	Upper
96	100		
61	140.1	0.0	283.8
98	67.4	0.0	129.2

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#28

Bromochloromethane

Concen: 5.053 ug/l

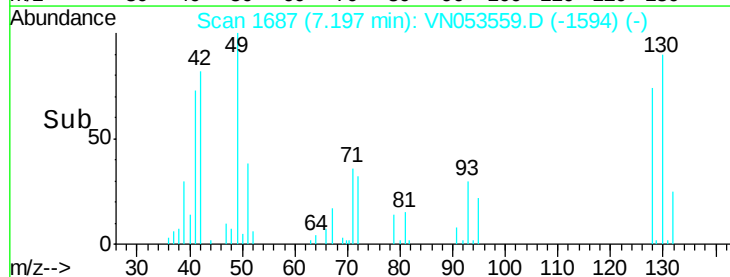
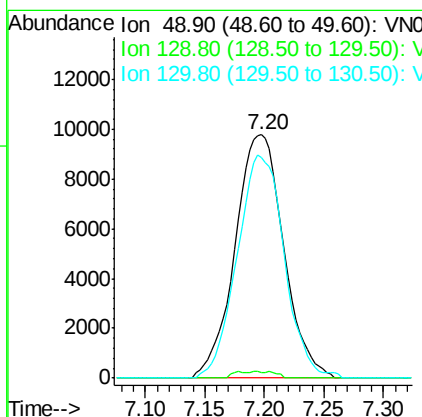
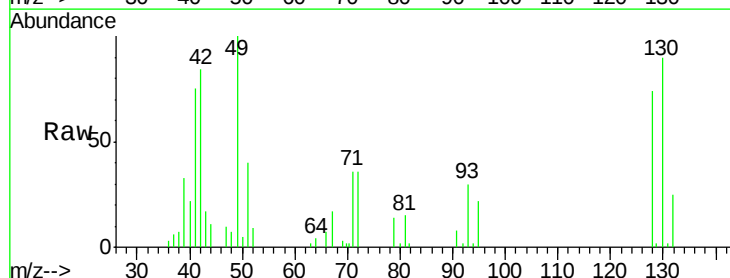
RT: 7.20 min Scan# 1687

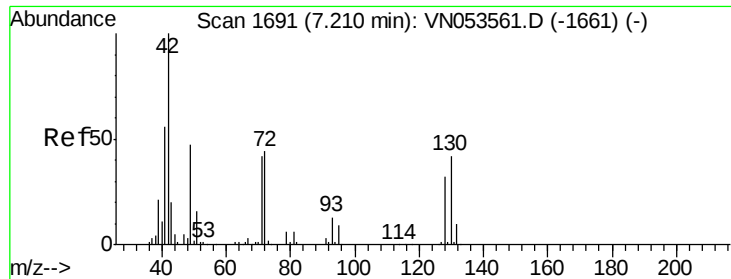
Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Tgt Ion:	49	Resp:	27656
Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	4.0
130	88.9	66.3	99.5





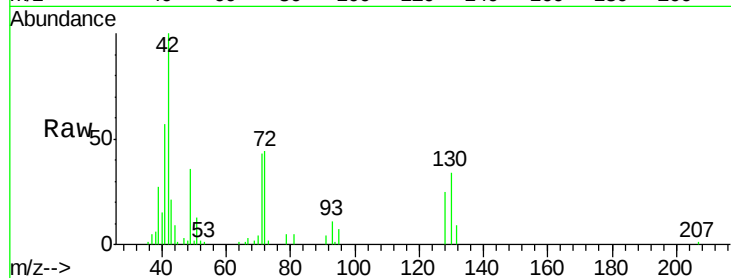
#29
Tetrahydrofuran
Concen: 24.959 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

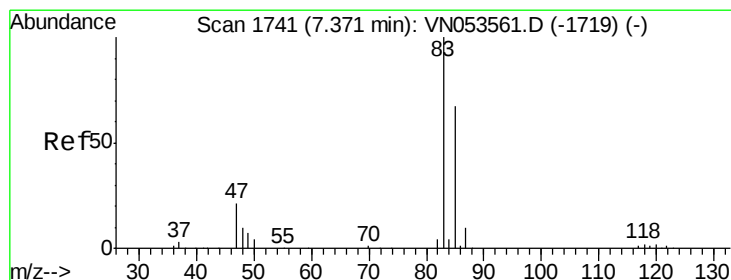
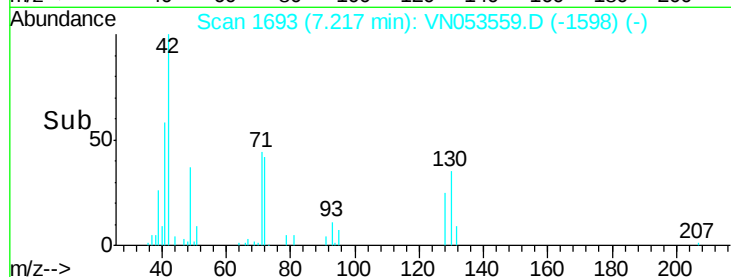
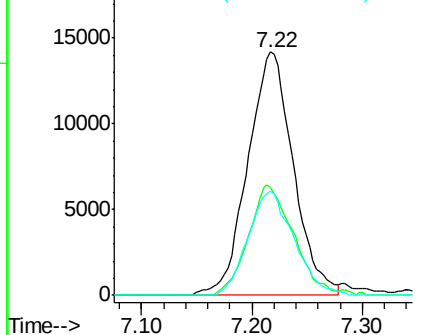
Tgt Ion	Ratio	Lower	Upper
42	100		
72	44.6	35.2	52.8
71	43.1	33.0	49.4

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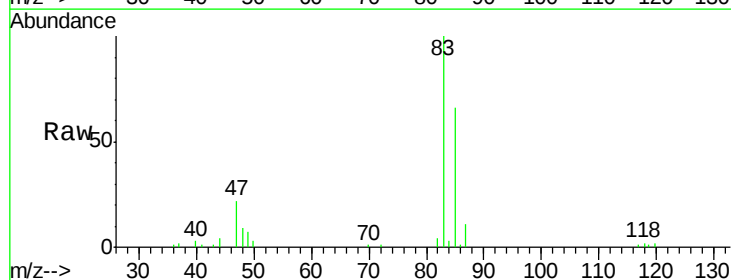


Abundance Ion 42.00 (41.70 to 42.70): VNO
Ion 72.00 (71.70 to 72.70): VNO
Ion 71.00 (70.70 to 71.70): VNO

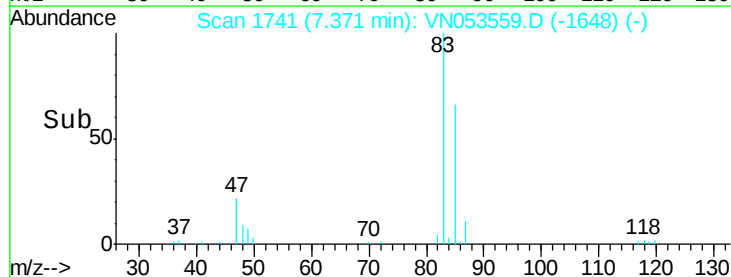
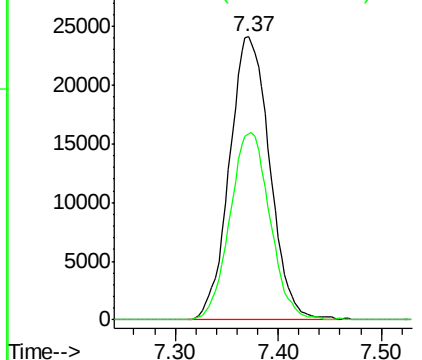


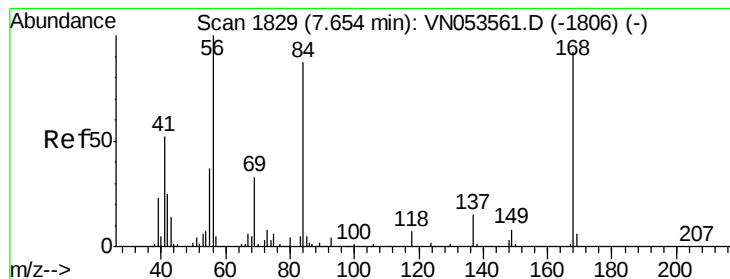
#30
Chloroform
Concen: 5.413 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.2	78.2



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO





#31

Cyclohexane

Concen: 4.691 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tgt Ion: 56 Resp: 64010
Ion Ratio Lower Upper

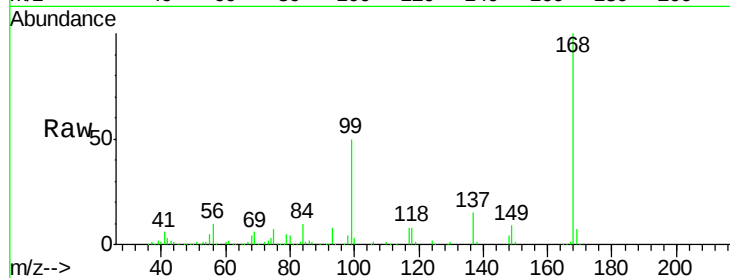
56 100

69 56.9 26.4 39.6#

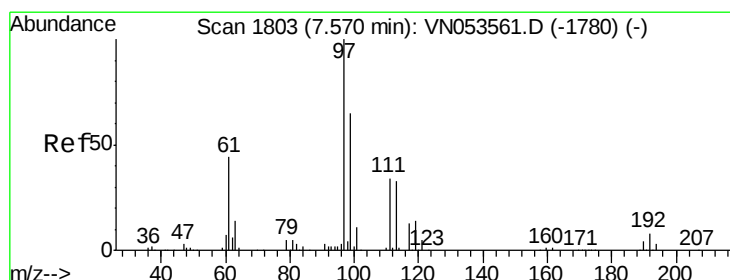
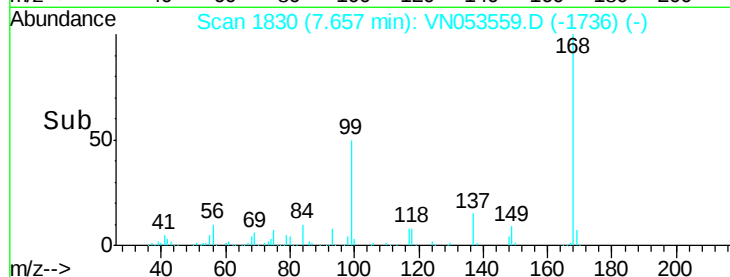
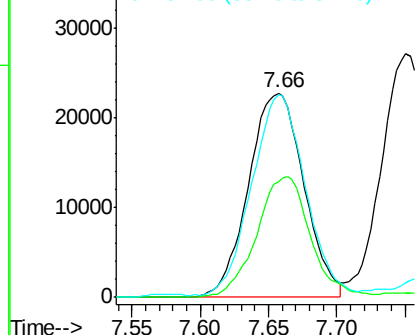
84 98.8 67.9 101.9

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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: 5.198 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053559.D

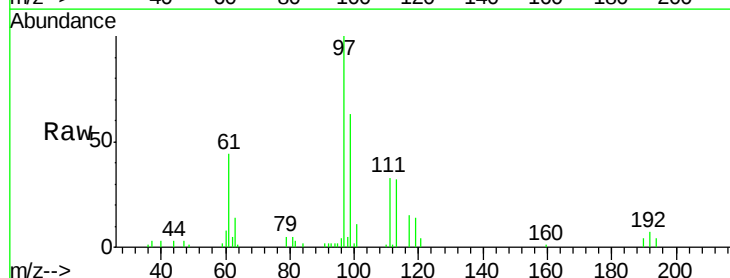
Acq: 30 Jan 2019 9:19

Tgt Ion: 97 Resp: 53562
Ion Ratio Lower Upper

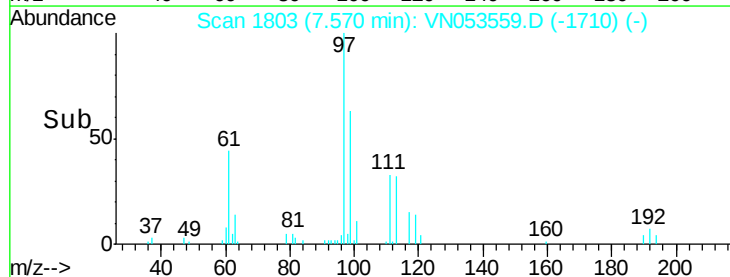
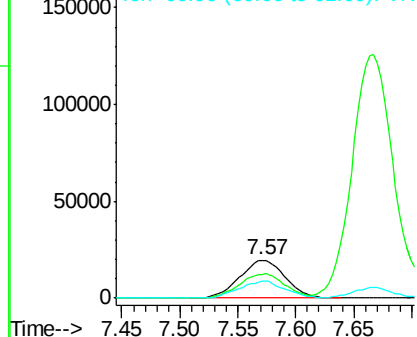
97 100

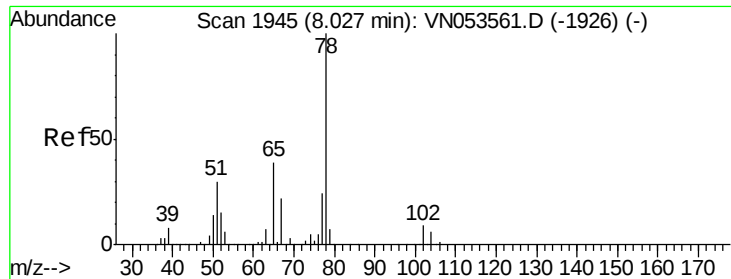
99 63.7 52.0 78.0

61 44.5 34.4 51.6



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





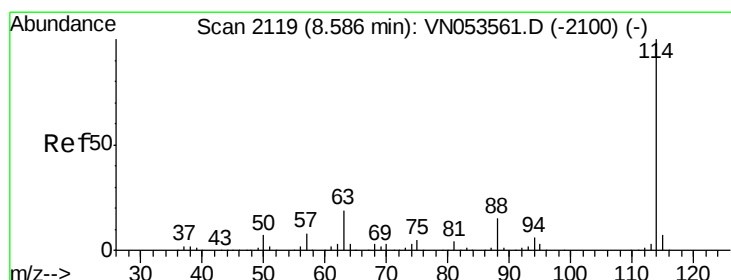
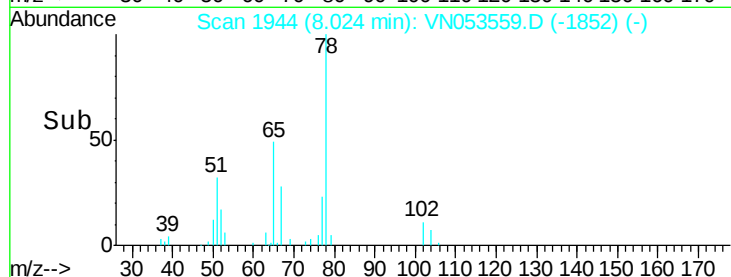
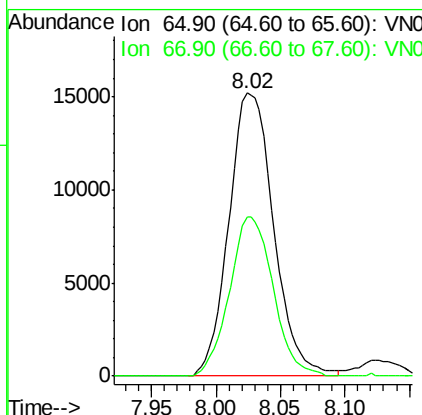
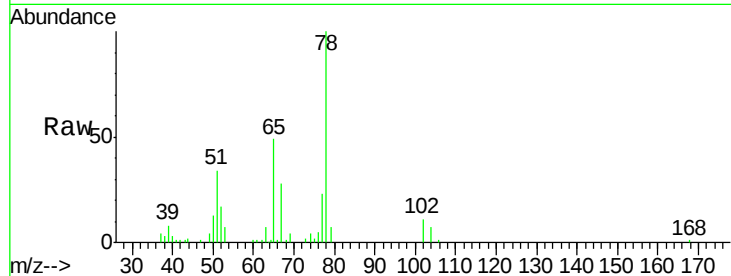
#33
 1,2-Dichloroethane-d4
 Concen: 5.337 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053559.D
 Acq: 30 Jan 2019 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 65 Resp: 36784
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 111.2

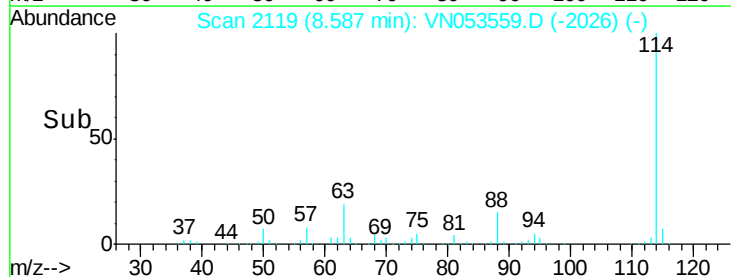
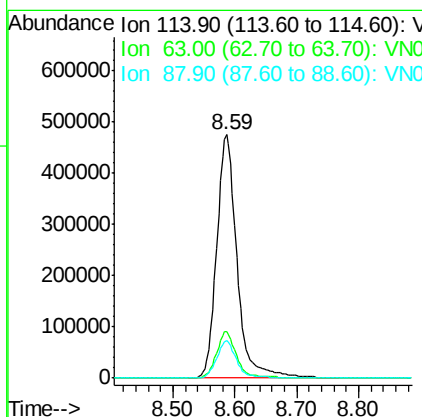
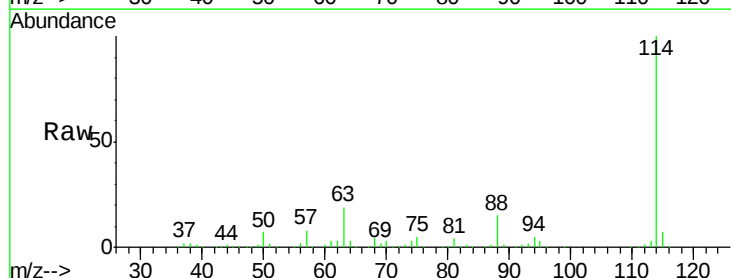
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053559.D
 Acq: 30 Jan 2019 9:19

Tgt Ion: 114 Resp: 1086160
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.6
 88 15.4 0.0 30.4





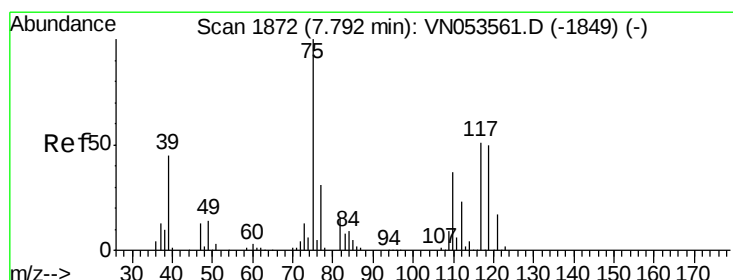
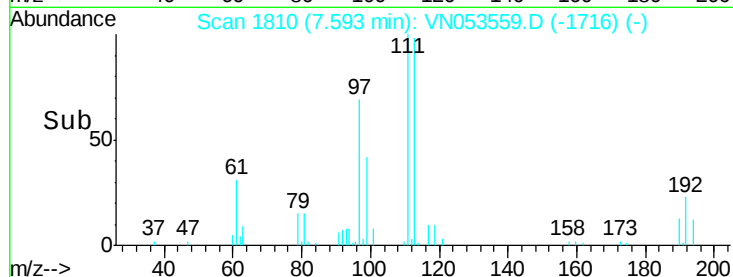
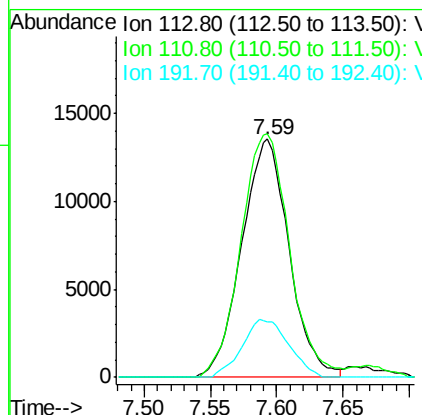
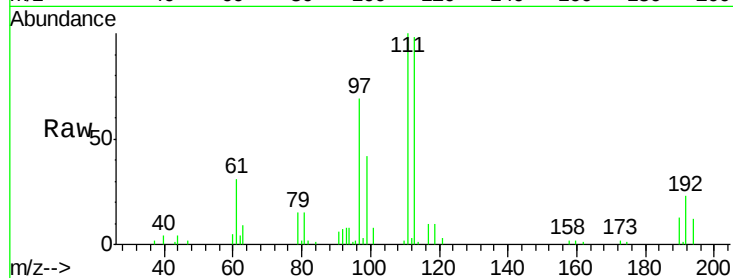
#35
Dibromofluoromethane
Concen: 5.347 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	33711		
111	104.9	81.1	121.7	
192	23.9	18.2	27.2	

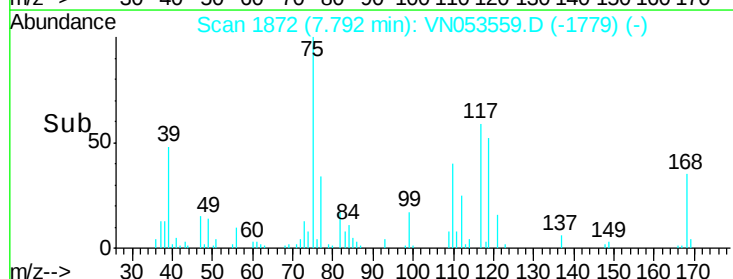
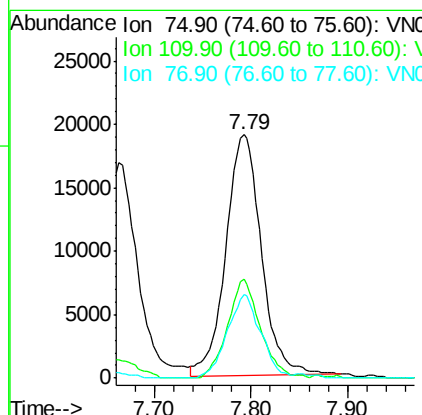
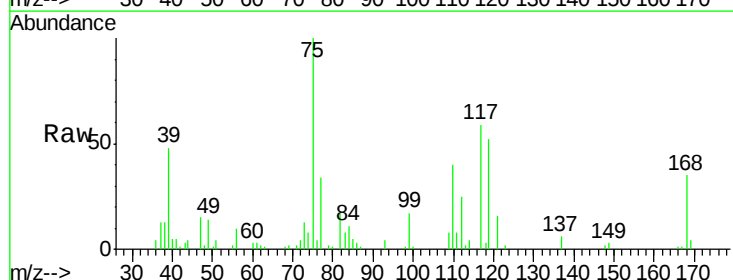
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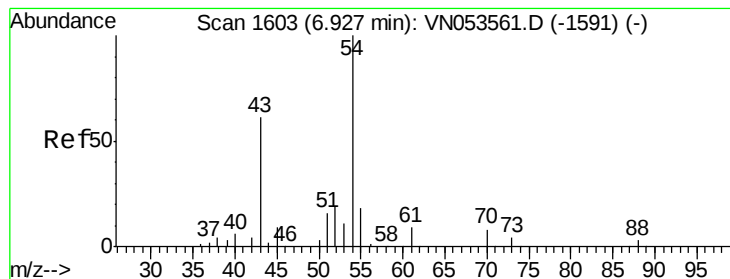
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#36
1,1-Dichloropropene
Concen: 4.935 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	48591		
110	37.5	18.1	54.3	
77	32.5	25.1	37.7	





#37

Ethyl Acetate

Concen: 4.777 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.01 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

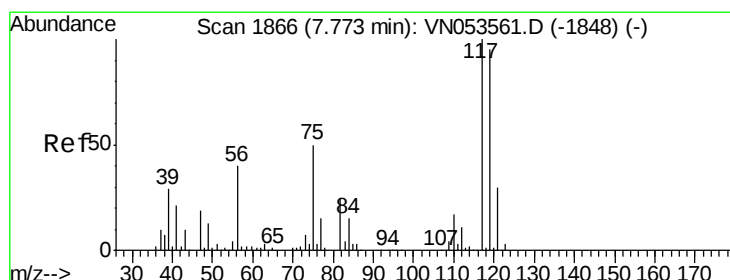
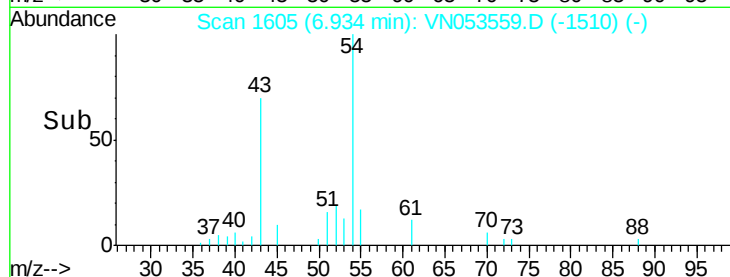
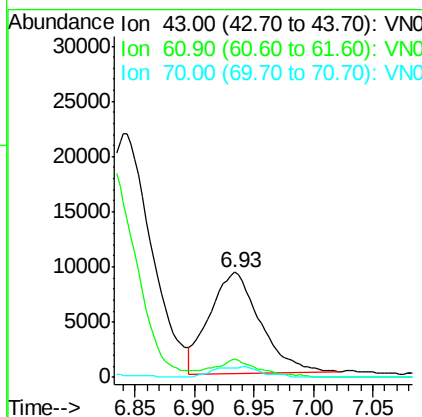
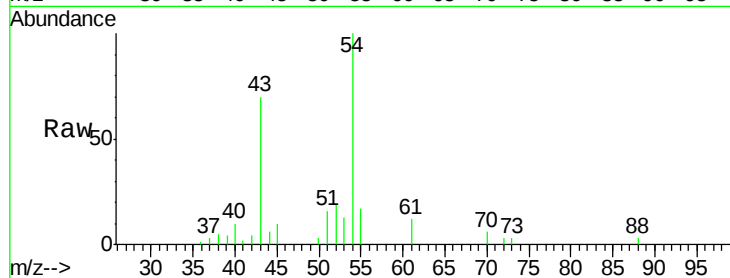
ClientSampleId :

VSTDIC005

Tgt Ion:	43	Resp:	27146
Ion Ratio	Lower	Upper	
43	100		
61	15.2	11.8	17.6
70	5.5	8.6	12.8#

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#38

Carbon Tetrachloride

Concen: 5.416 ug/l

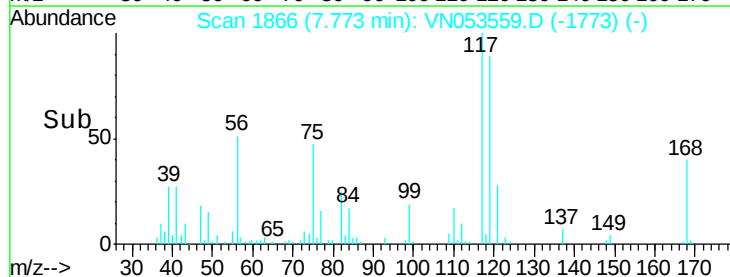
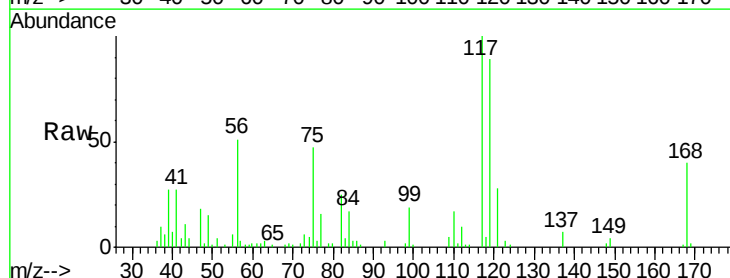
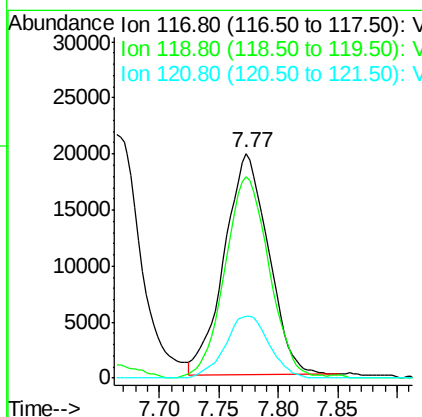
RT: 7.77 min Scan# 1866

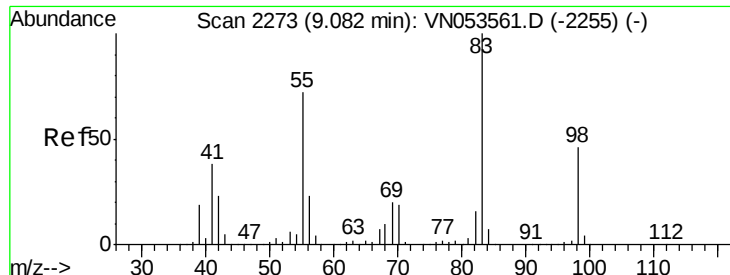
Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Tgt Ion:	117	Resp:	51007
Ion Ratio	Lower	Upper	
117	100		
119	89.8	77.2	115.8
121	28.0	24.6	37.0





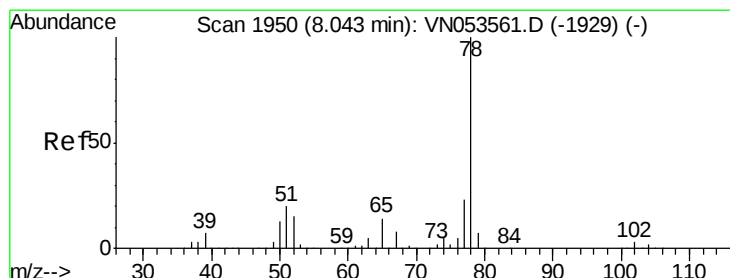
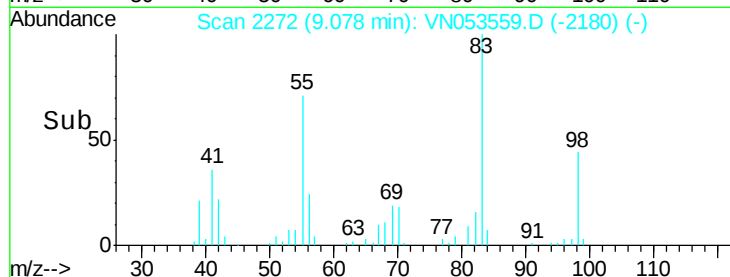
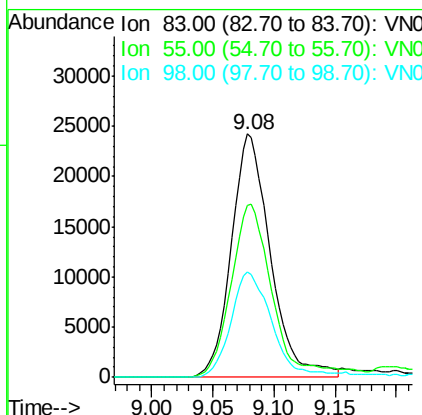
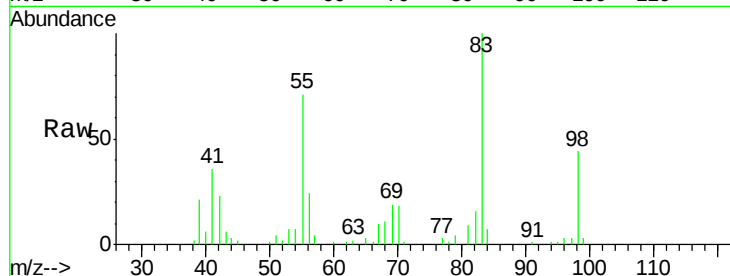
#39
Methylcyclohexane
Concen: 4.448 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
83	100		
55	70.8	60.1	90.1
98	43.5	36.6	55.0

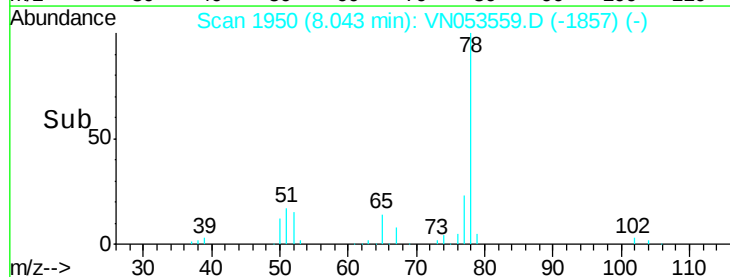
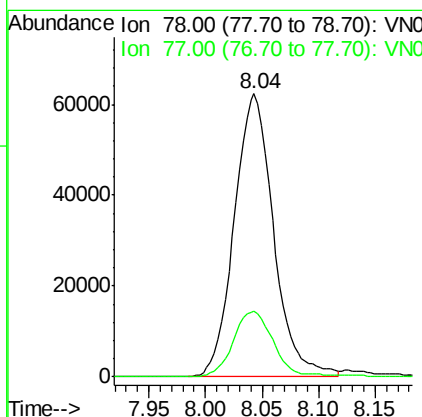
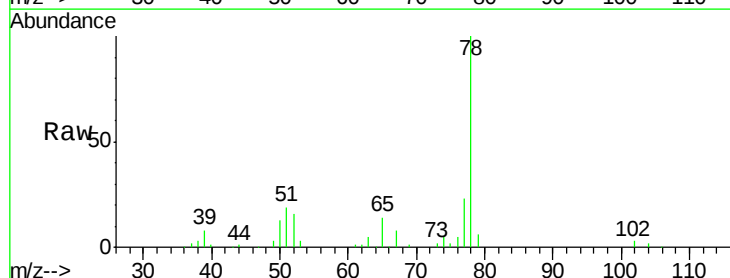
Manual Integrations
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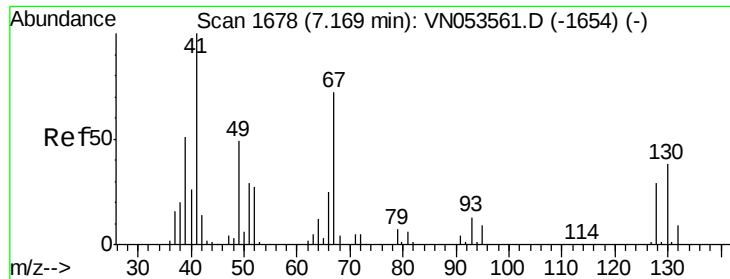
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#40
Benzene
Concen: 5.044 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2





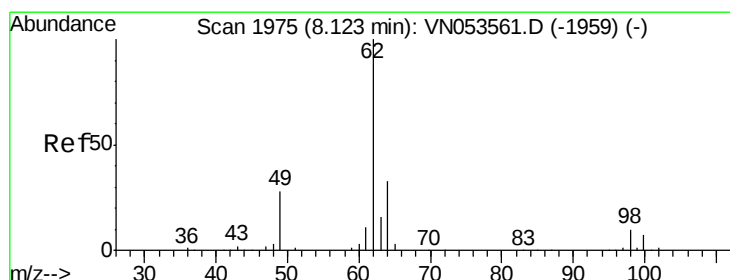
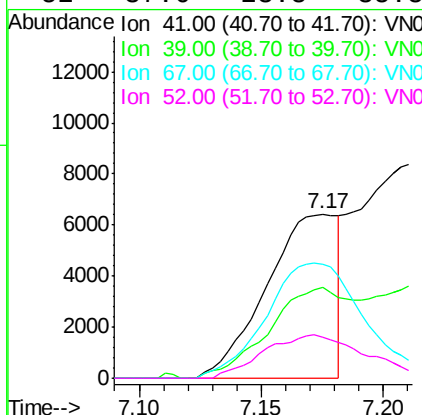
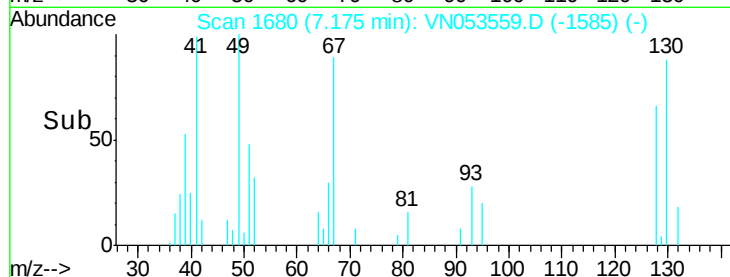
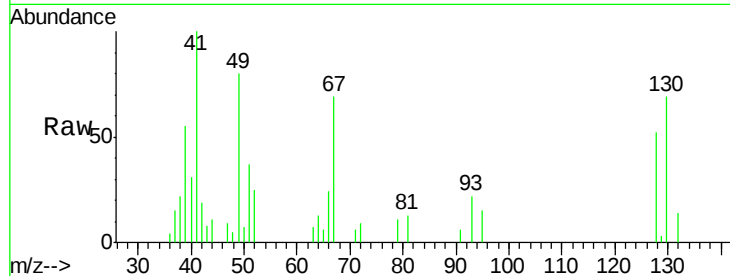
#41
Methacrylonitrile
Concen: 4.344 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	66.4	46.8	70.2	
67	97.8	63.0	94.6	#
52	37.6	23.8	35.8	#

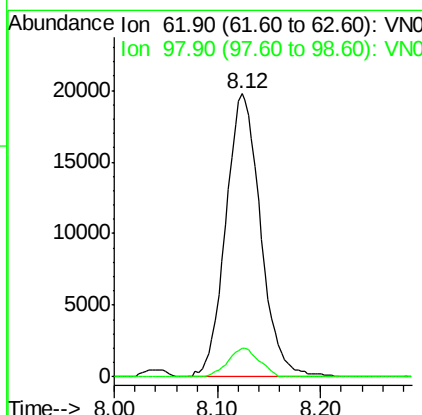
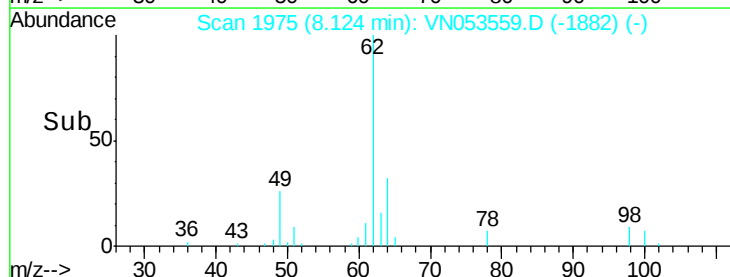
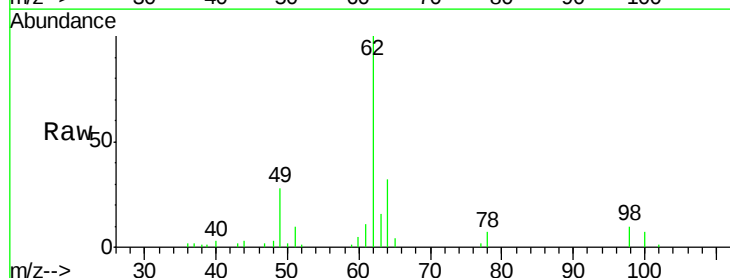
Manual Integrations
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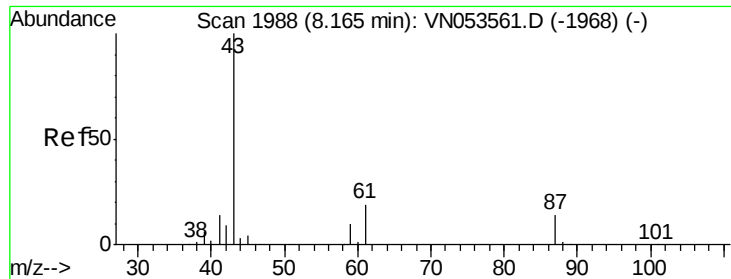
MMDadoda
2/1/2019 9:18:13 AM



#42
1,2-Dichloroethane
Concen: 5.310 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	0.0	19.6	





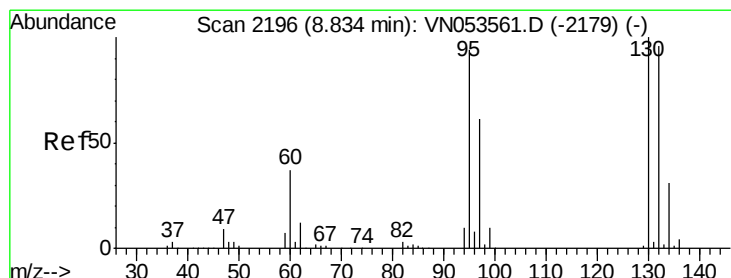
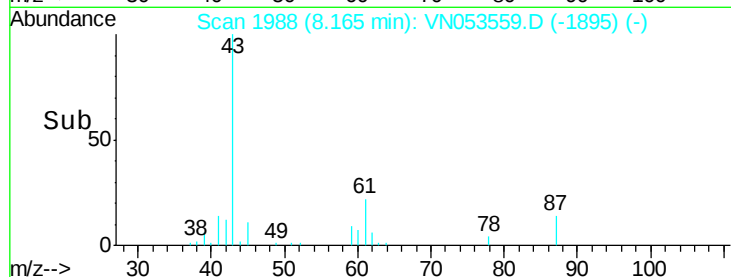
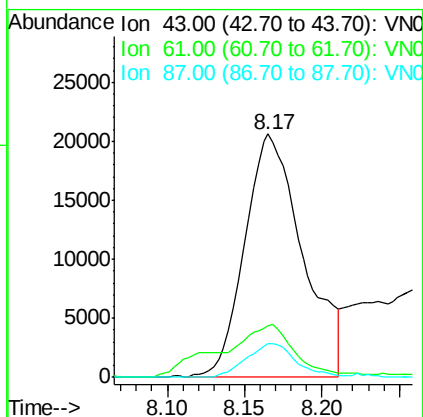
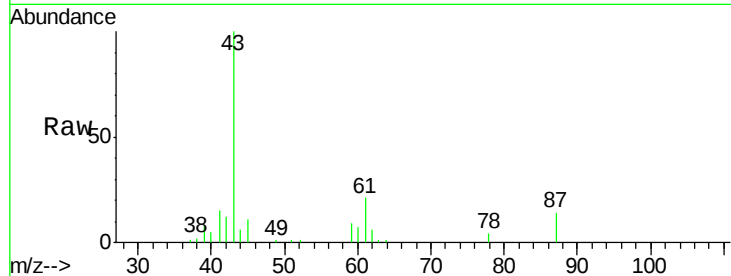
#43
Isopropyl Acetate
Concen: 5.319 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
43	100		
61	16.6	23.9	35.9#
87	11.8	11.0	16.6

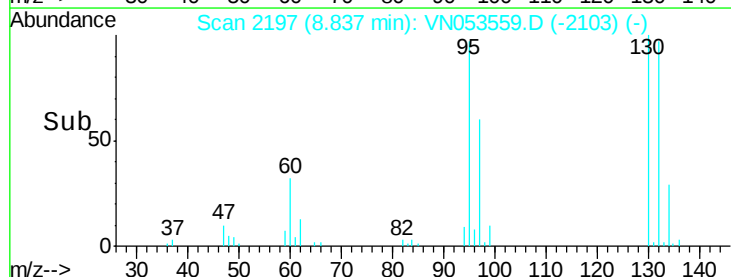
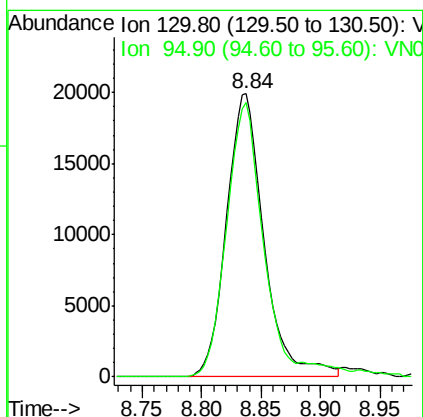
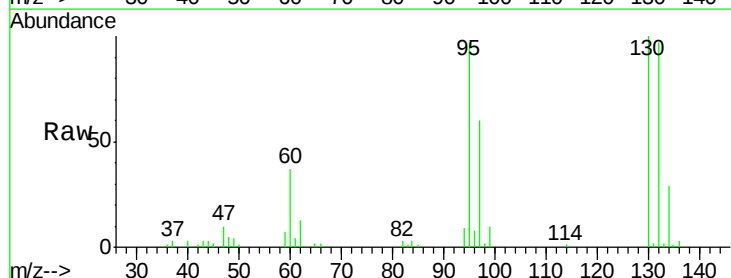
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#44
Trichloroethene
Concen: 5.251 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	191.4





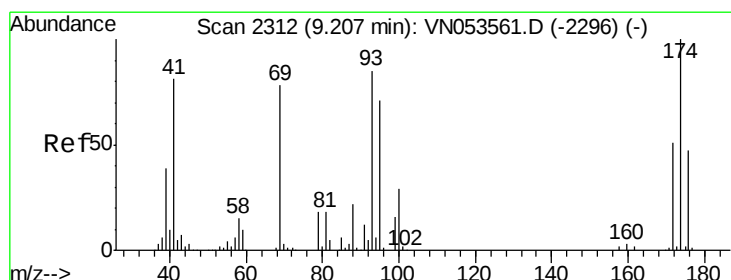
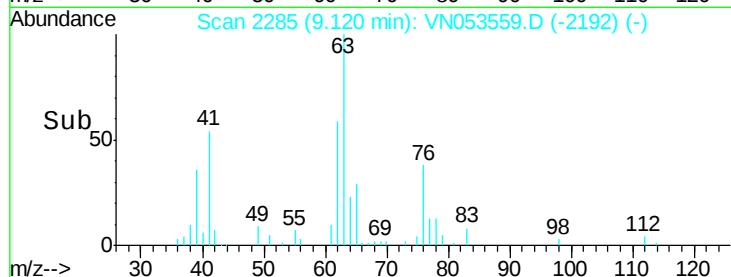
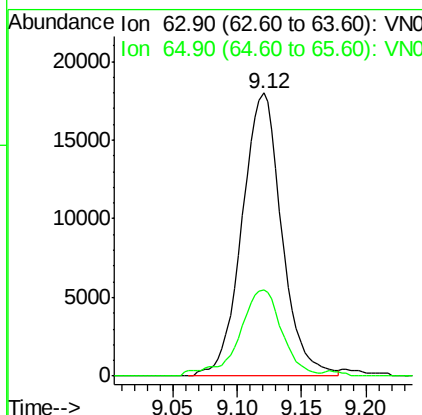
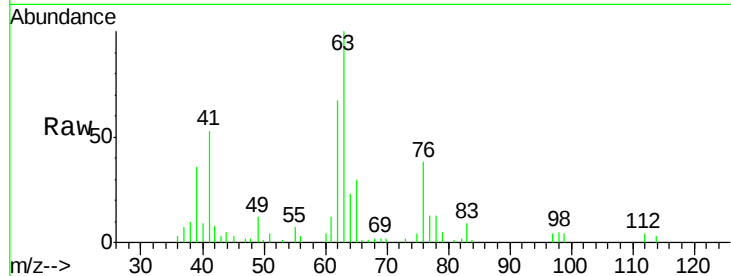
#45
 1,2-Dichloropropane
 Concen: 4.896 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053559.D
 Acq: 30 Jan 2019 9:19

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion: 63 Resp: 38748
 Ion Ratio Lower Upper
 63 100
 65 29.0 25.0 37.4

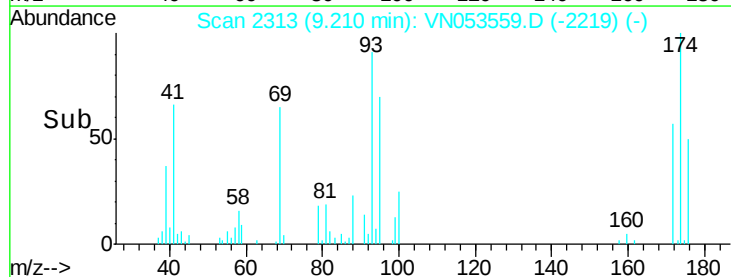
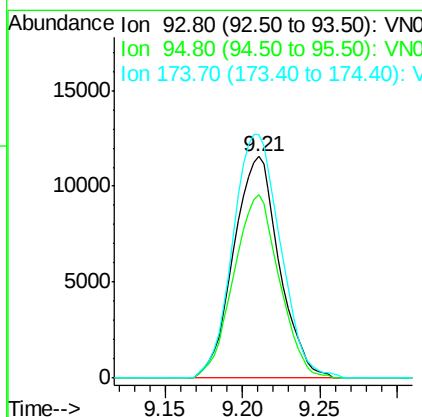
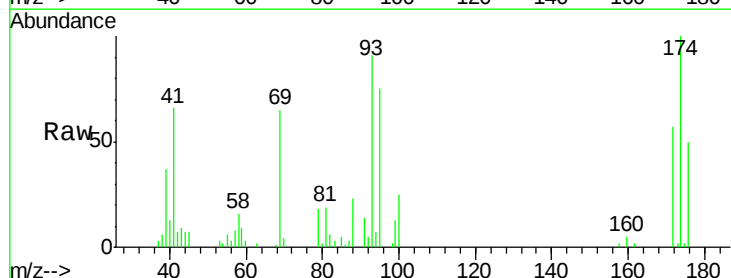
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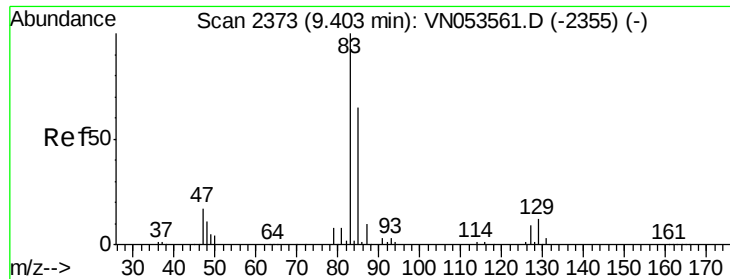
MMDadoda
 2/1/2019 9:18:13 AM



#46
 Dibromomethane
 Concen: 5.195 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053559.D
 Acq: 30 Jan 2019 9:19

Tgt Ion: 93 Resp: 23728
 Ion Ratio Lower Upper
 93 100
 95 82.3 67.3 100.9
 174 114.3 91.0 136.4





#47

Bromodichloromethane

Concen: 5.010 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

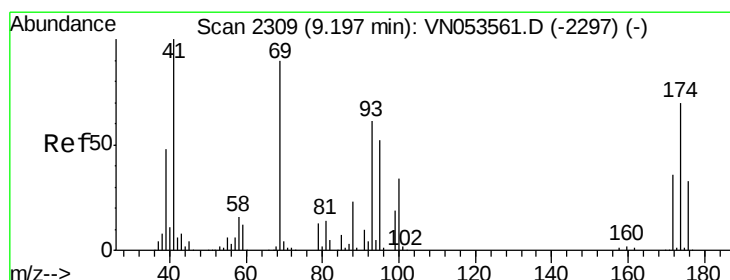
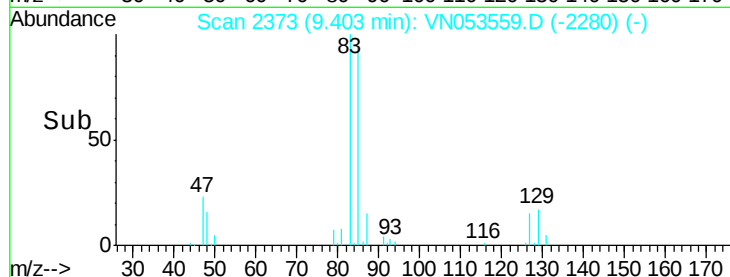
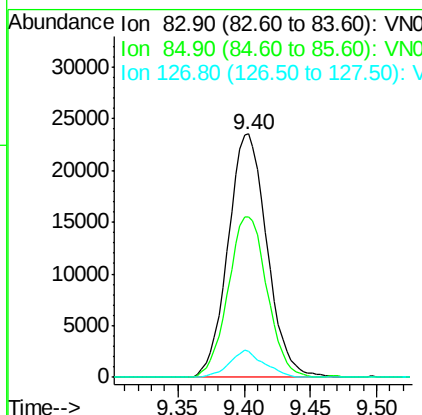
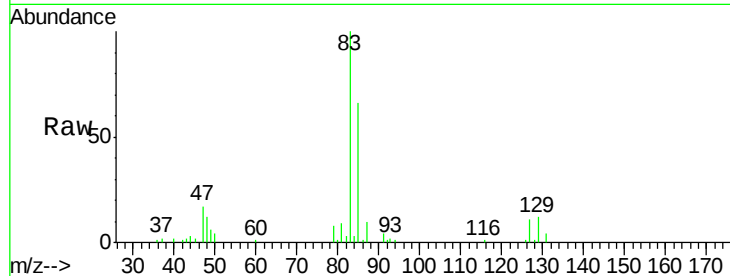
ClientSampleId :

VSTDIC005

Tgt Ion:	83	Resp:	48033
Ion Ratio	Lower	Upper	
83	100		
85	66.1	51.0	76.6
127	10.8	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 4.633 ug/l

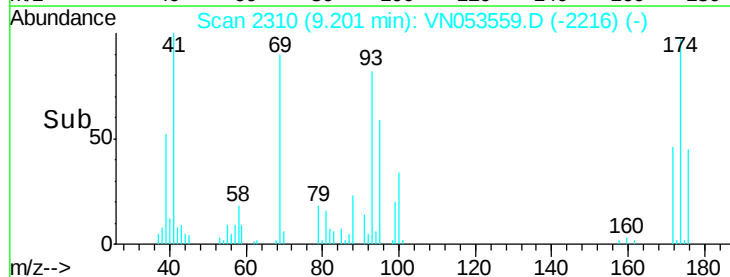
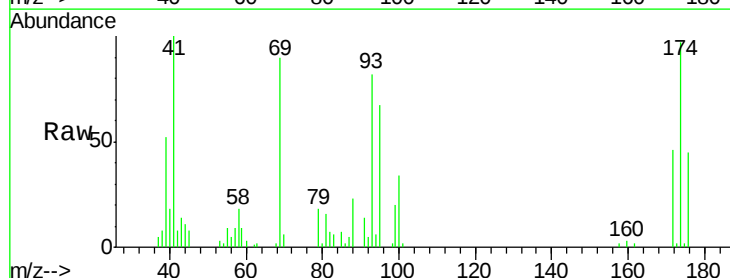
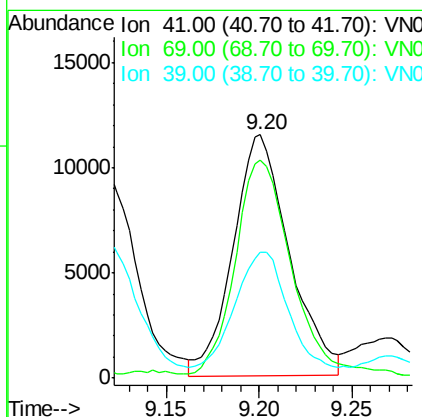
RT: 9.20 min Scan# 2310

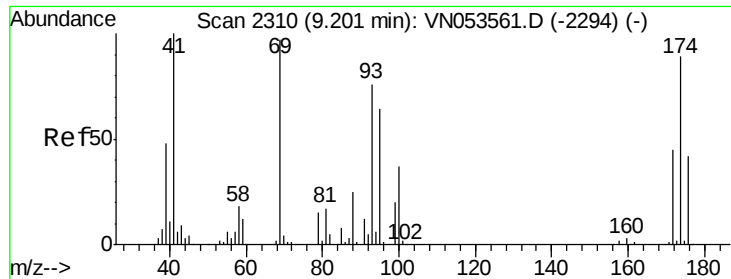
Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Tgt Ion:	41	Resp:	24099
Ion Ratio	Lower	Upper	
41	100		
69	89.4	73.8	110.6
39	54.4	40.0	60.0





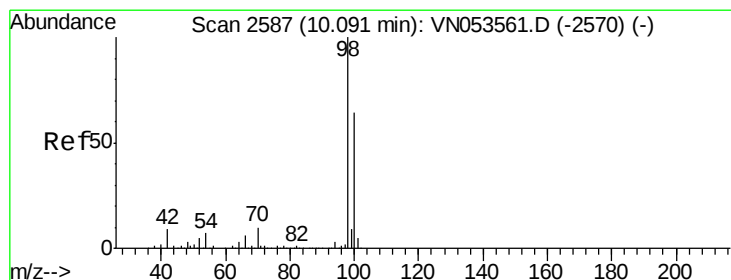
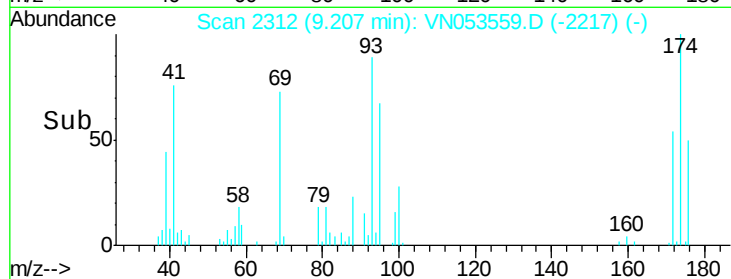
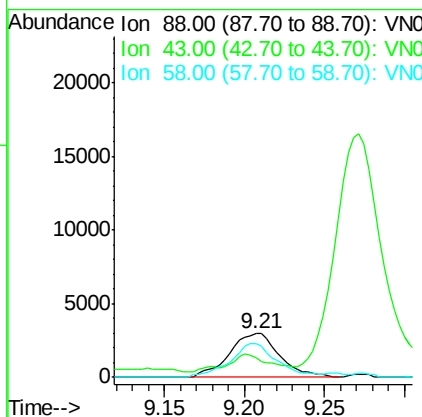
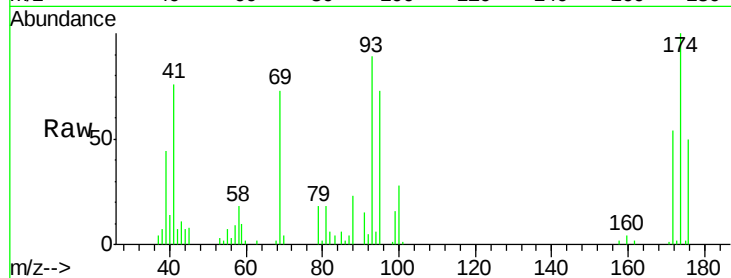
#49
1,4-Dioxane
Concen: 116.462 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.01 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
88	100		
43	35.1	27.8	41.6
58	71.3	56.5	84.7

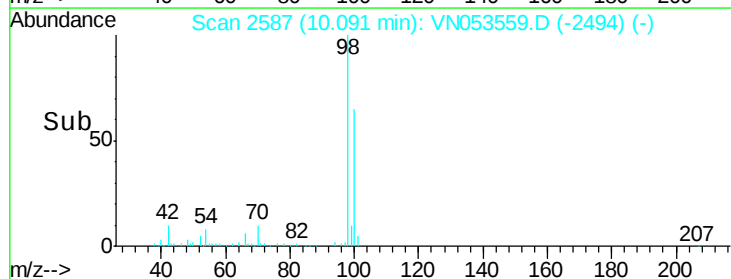
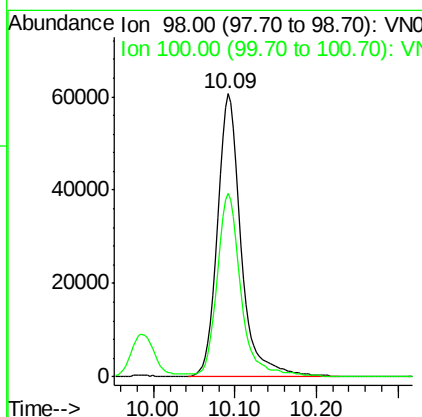
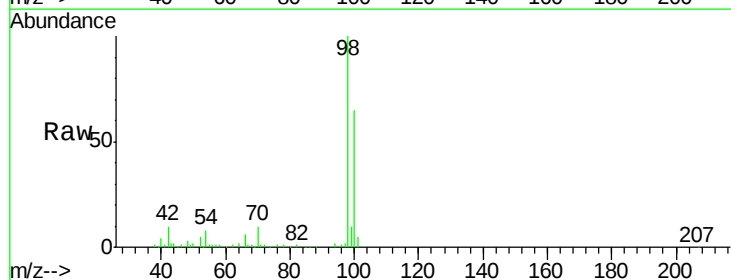
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#50
Toluene-d8
Concen: 4.804 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	51.4	77.0





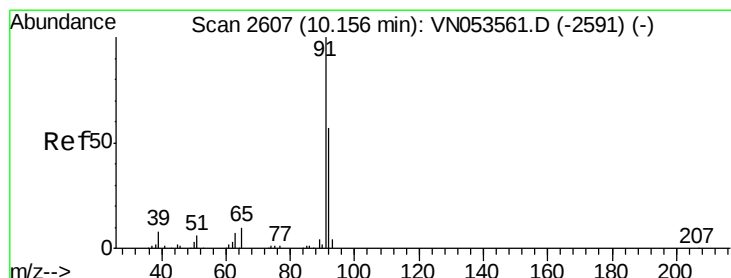
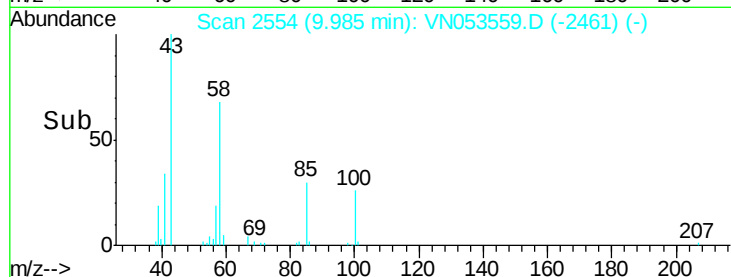
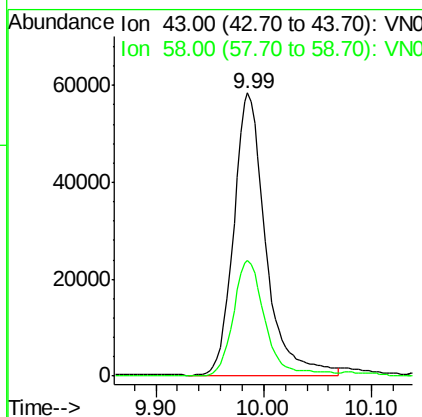
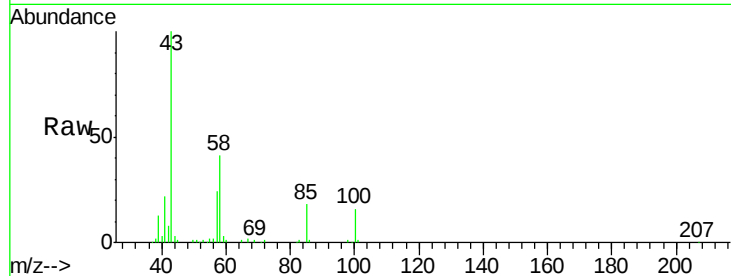
#51
 4-Methyl-2-Pentanone
 Concen: 21.852 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053559.D
 Acq: 30 Jan 2019 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 43 Resp: 120397
 Ion Ratio Lower Upper
 43 100
 58 41.0 32.8 49.2

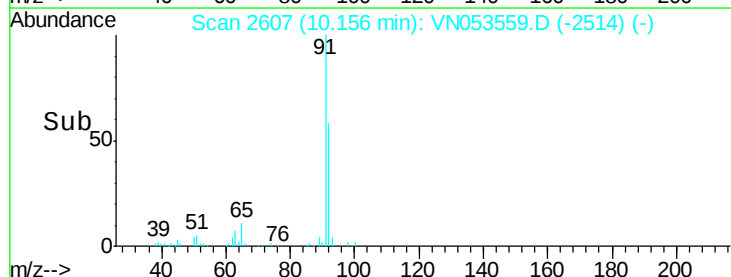
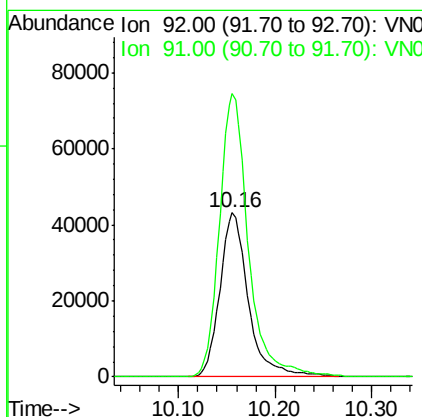
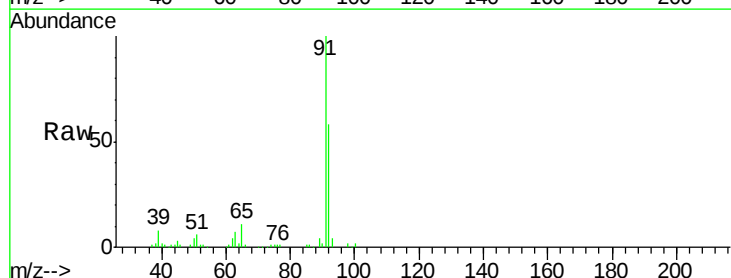
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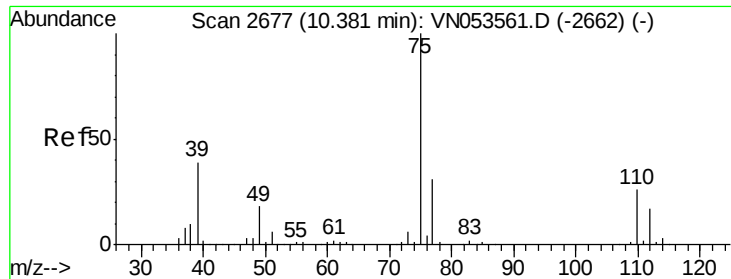
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#52
 Toluene
 Concen: 4.805 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN053559.D
 Acq: 30 Jan 2019 9:19

Tgt Ion: 92 Resp: 88902
 Ion Ratio Lower Upper
 92 100
 91 173.3 139.9 209.9





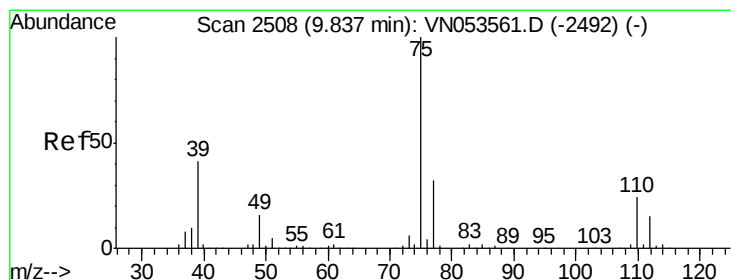
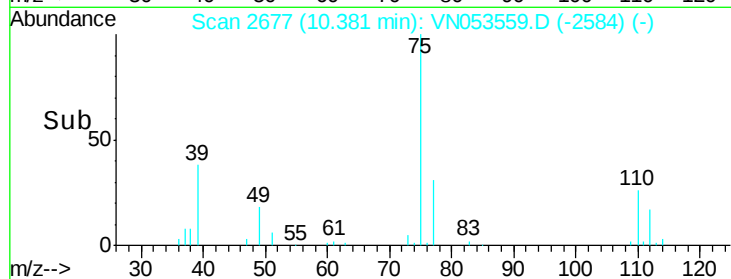
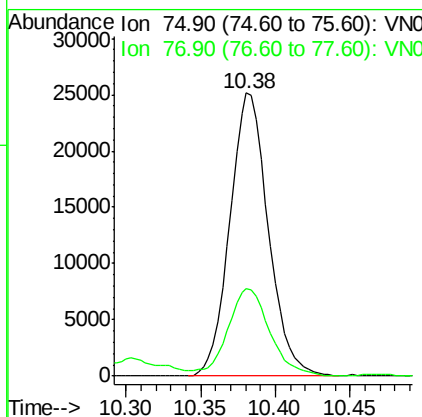
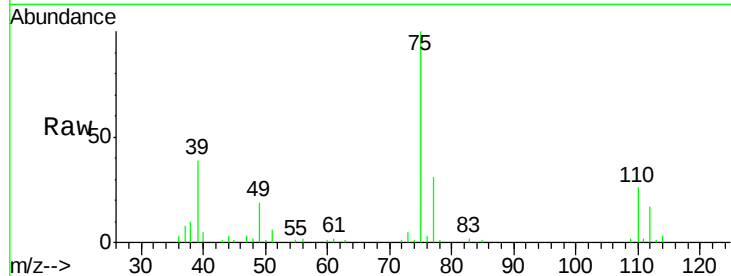
#53
t-1,3-Dichloropropene
Concen: 4.640 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tgt Ion: 75 Resp: 44928
Ion Ratio Lower Upper
75 100
77 31.2 25.5 38.3

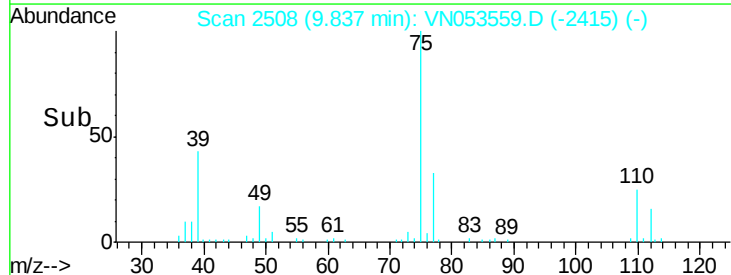
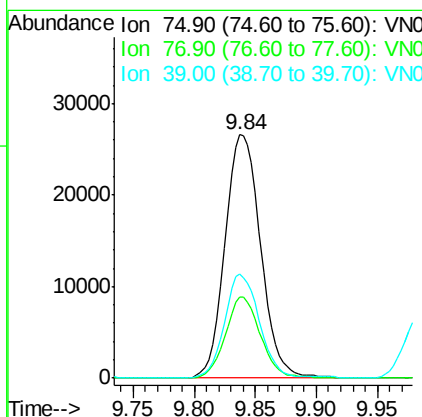
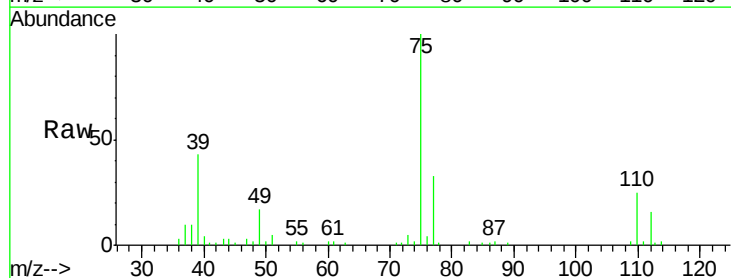
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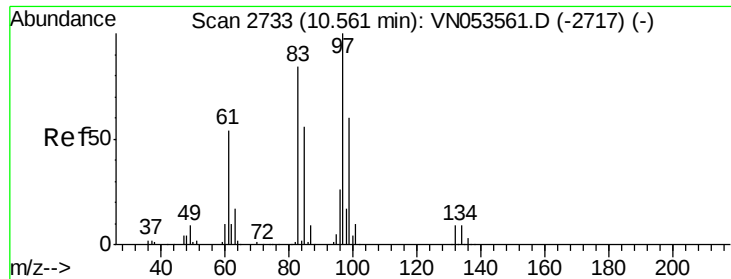
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#54
cis-1,3-Dichloropropene
Concen: 4.754 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Tgt Ion: 75 Resp: 54155
Ion Ratio Lower Upper
75 100
77 33.5 25.8 38.6
39 42.8 33.4 50.0





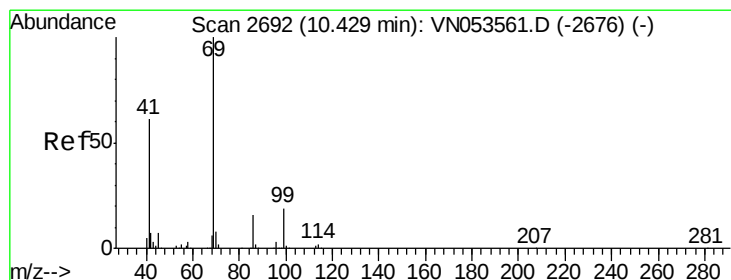
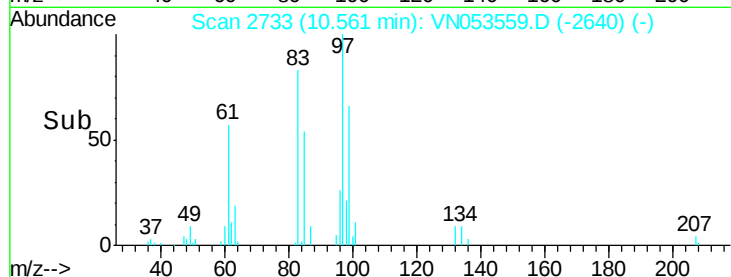
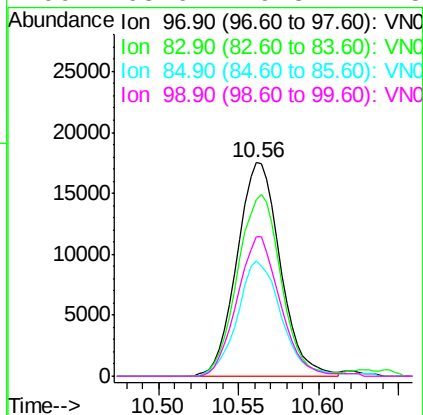
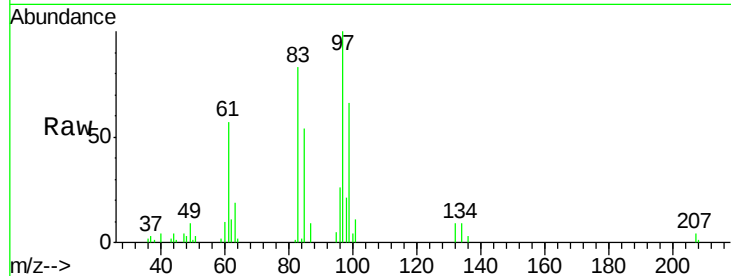
#55
 1,1,2-Trichloroethane
 Concen: 5.042 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053559.D
 Acq: 30 Jan 2019 9:19

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion:	97	Resp:	32352
Ion	Ratio	Lower	Upper
97	100		
83	82.5	70.1	105.1
85	53.9	45.4	68.0
99	65.6	49.8	74.8

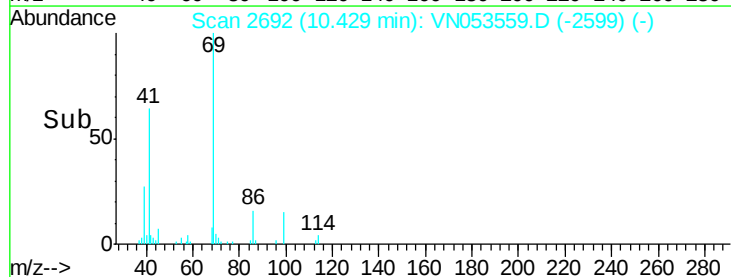
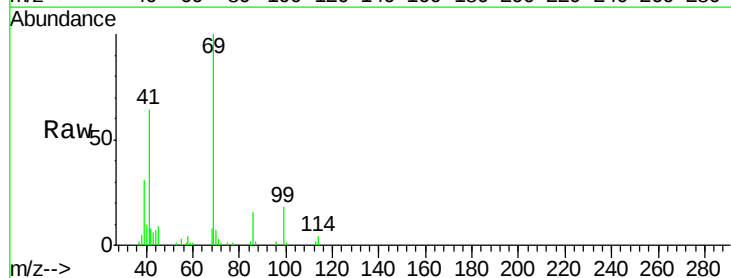
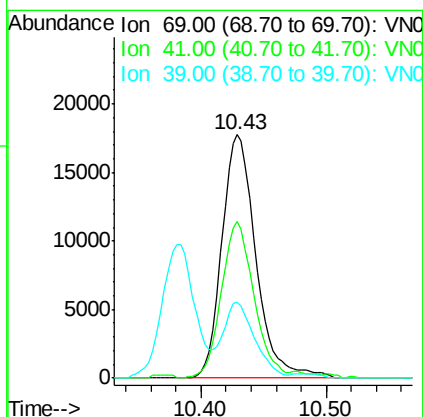
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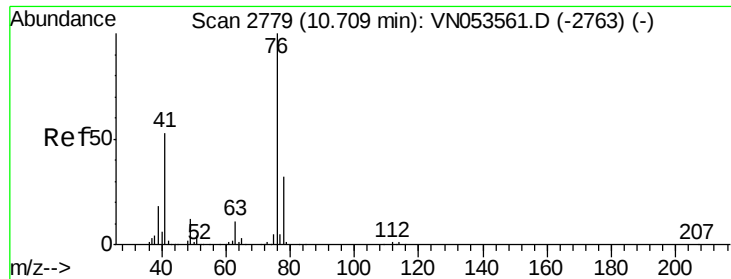
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#56
 Ethyl methacrylate
 Concen: 4.138 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053559.D
 Acq: 30 Jan 2019 9:19

Tgt Ion:	69	Resp:	33361
Ion	Ratio	Lower	Upper
69	100		
41	61.5	49.4	74.0
39	29.0	23.3	34.9





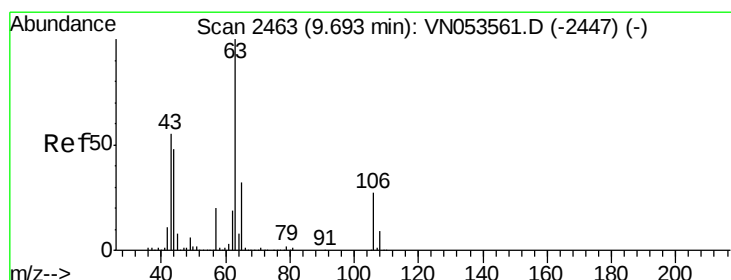
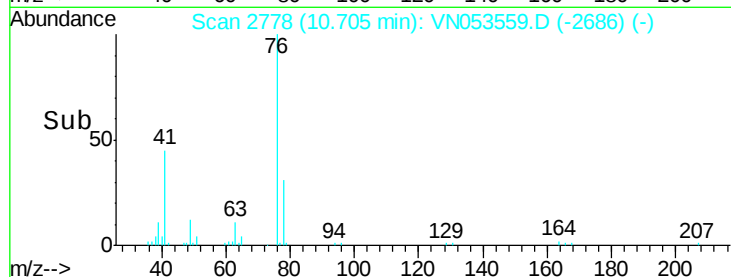
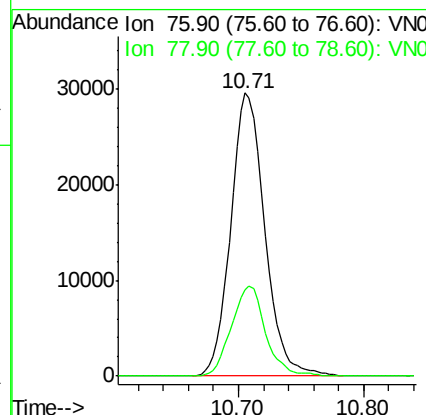
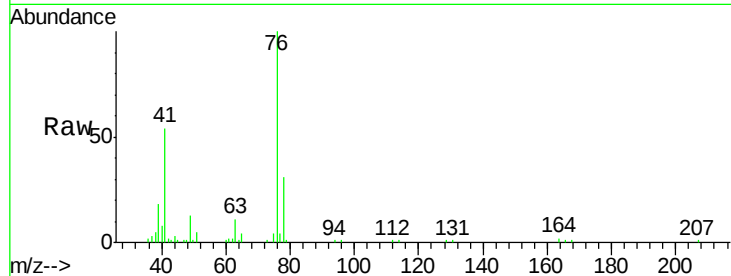
#57
 1,3-Dichloropropane
 Concen: 5.047 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN053559.D
 Acq: 30 Jan 2019 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 76 Resp: 55686
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.6 38.4

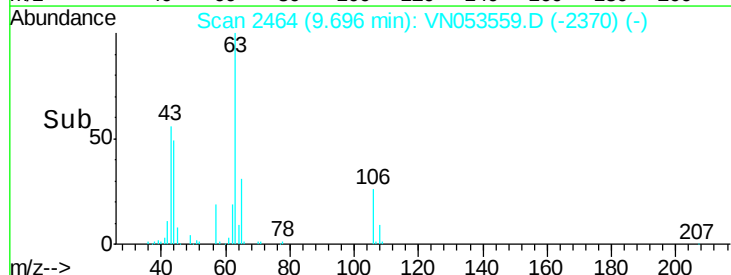
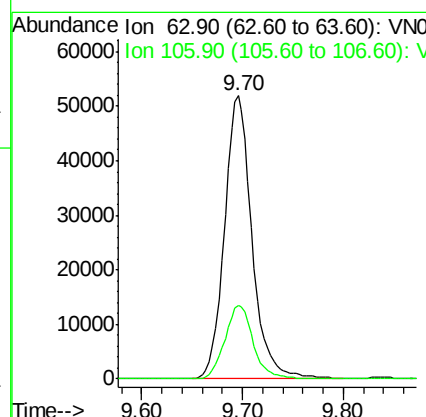
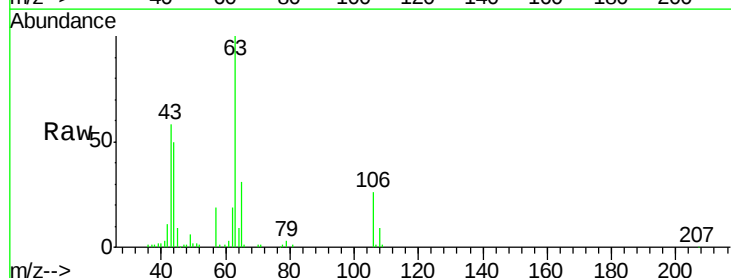
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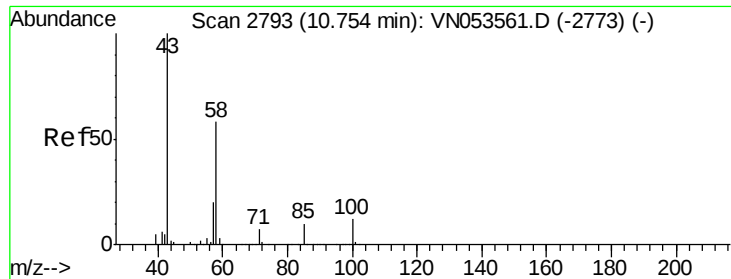
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#58
 2-Chloroethyl Vinyl ether
 Concen: 22.072 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053559.D
 Acq: 30 Jan 2019 9:19

Tgt Ion: 63 Resp: 98712
 Ion Ratio Lower Upper
 63 100
 106 26.7 21.5 32.3





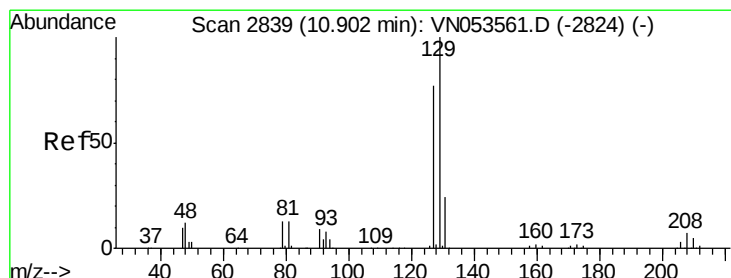
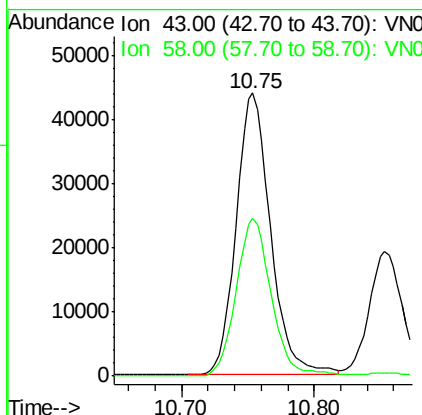
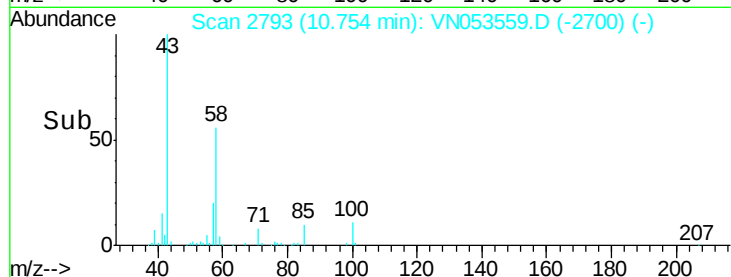
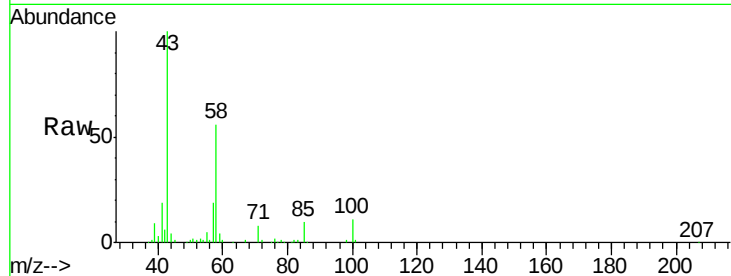
#59
2-Hexanone
Concen: 20.682 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 79509
Ion Ratio Lower Upper
43 100
58 57.1 28.6 85.8

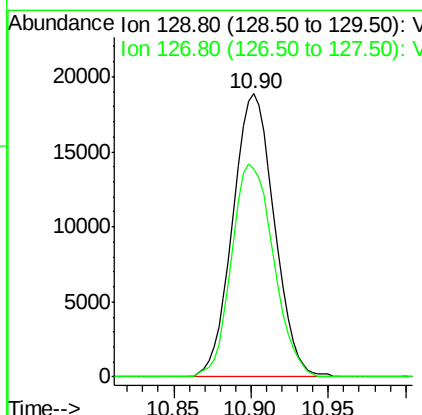
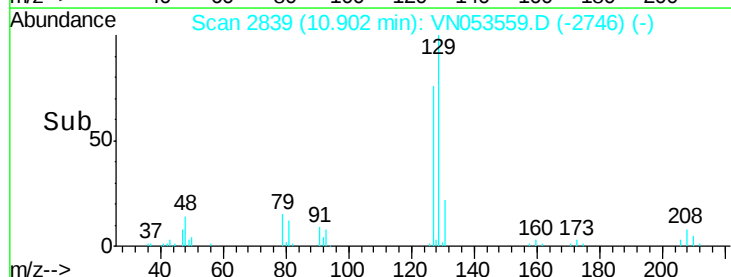
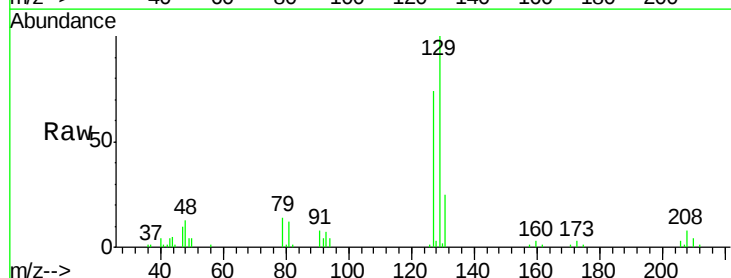
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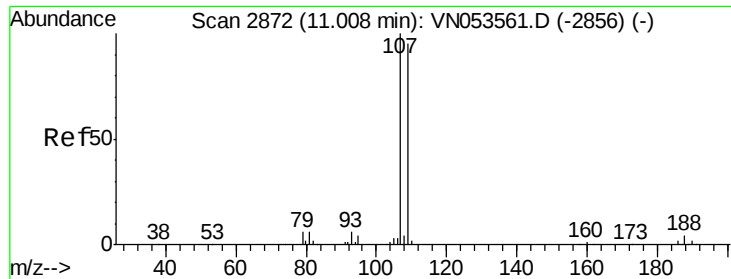
MMDadoda
2/1/2019 9:18:13 AM



#60
Dibromochloromethane
Concen: 4.846 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Tgt Ion: 129 Resp: 35220
Ion Ratio Lower Upper
129 100
127 75.8 38.6 115.8





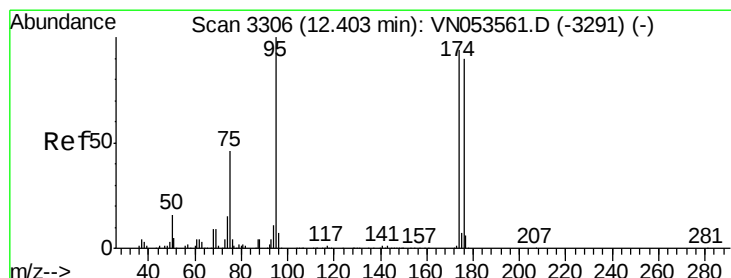
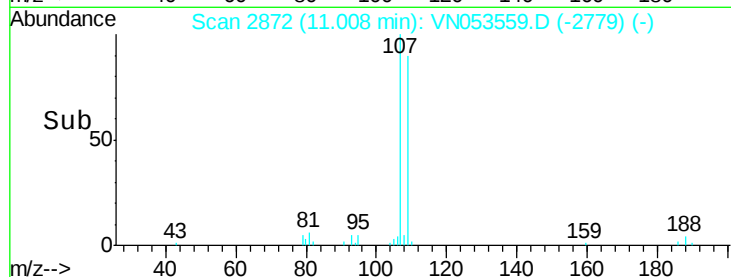
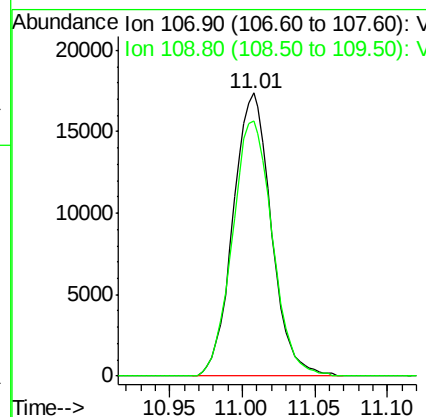
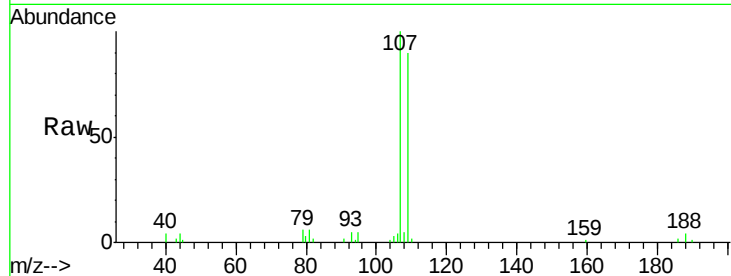
#61
1,2-Dibromoethane
Concen: 4.944 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.7	113.5

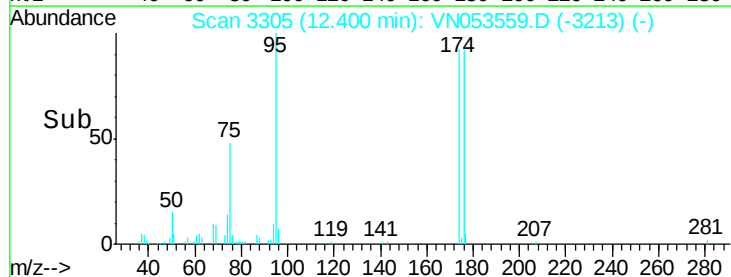
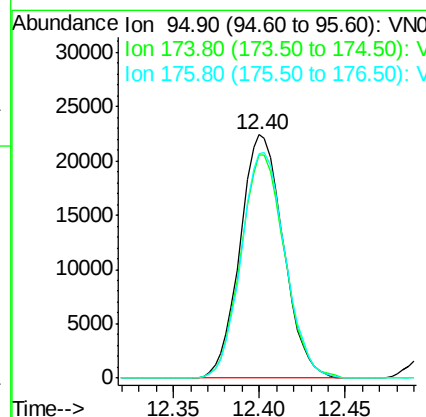
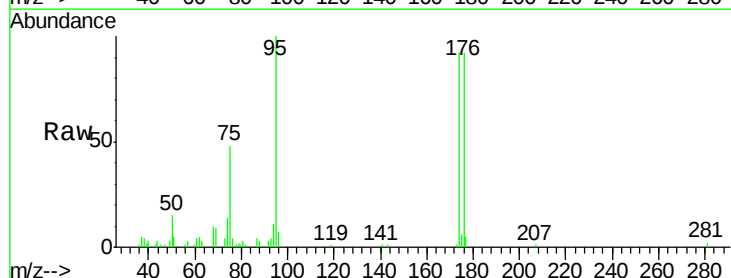
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#62
4-Bromofluorobenzene
Concen: 4.319 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.2	0.0	183.2
176	94.0	0.0	177.4





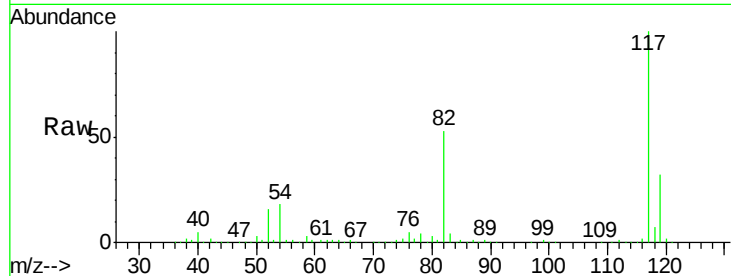
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

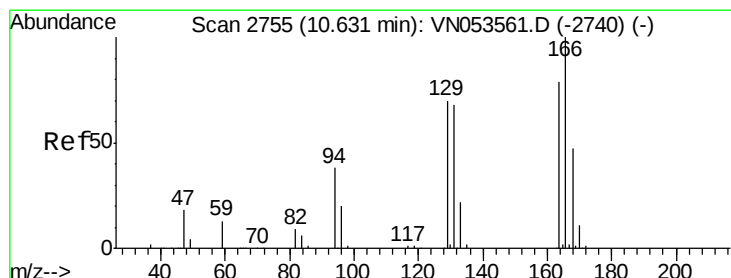
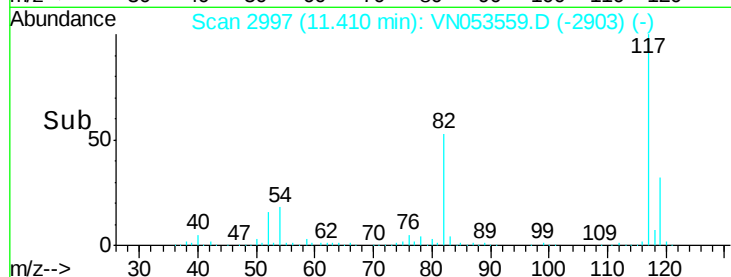
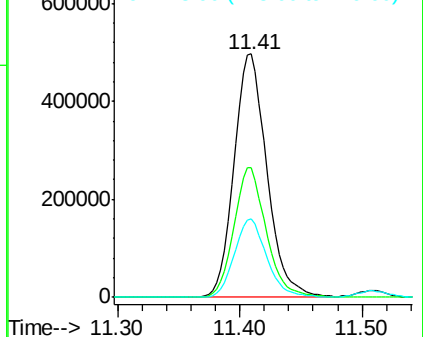
Tgt Ion:117 Resp: 927649
Ion Ratio Lower Upper
117 100
82 53.1 42.9 64.3
119 32.3 26.0 39.0

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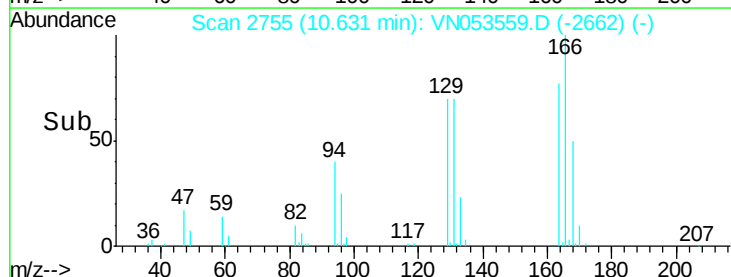
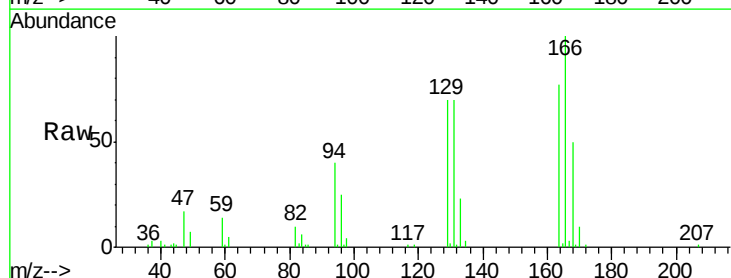
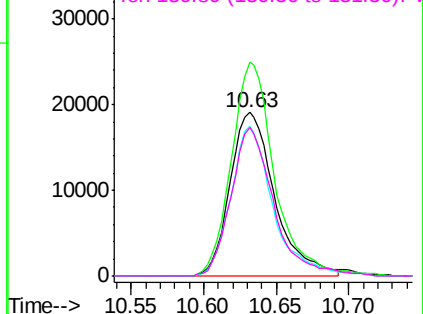
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 4.751 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Tgt Ion:164 Resp: 40812
Ion Ratio Lower Upper
164 100
166 130.7 102.2 153.4
129 91.5 72.6 109.0
131 91.2 69.5 104.3

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 5.193 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tgt Ion:112 Resp: 101337

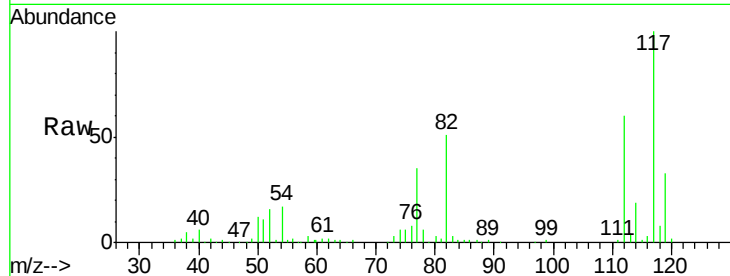
Ion Ratio Lower Upper

112 100

114 31.7 25.3 37.9

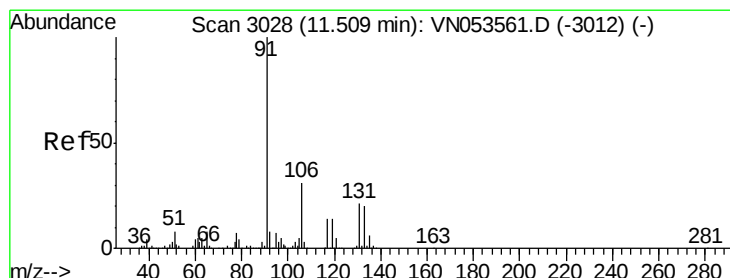
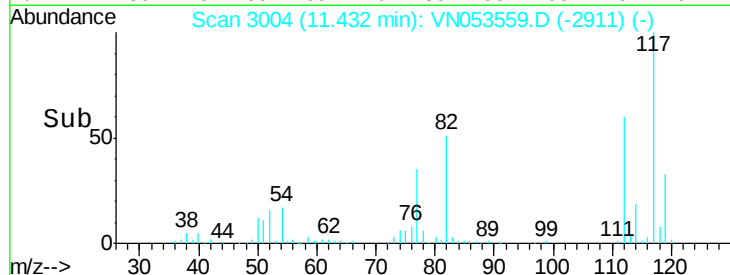
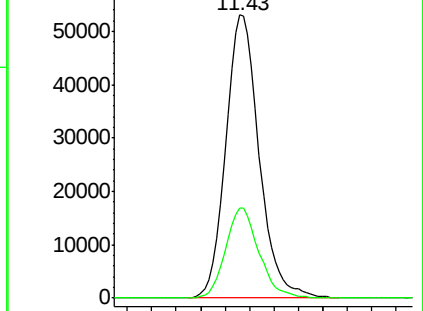
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 5.106 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

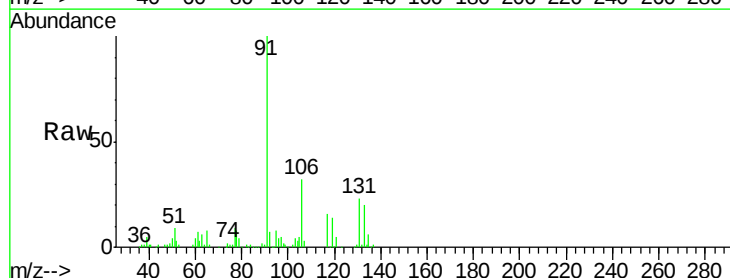
Tgt Ion:131 Resp: 34818

Ion Ratio Lower Upper

131 100

133 94.1 48.0 144.0

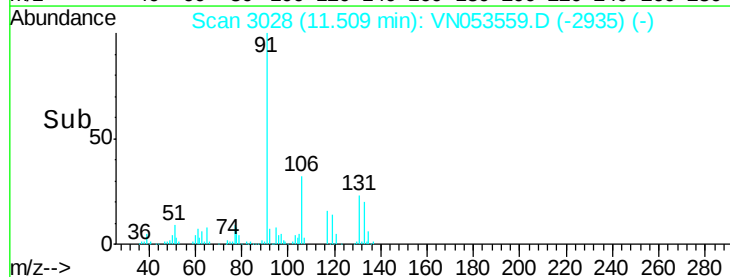
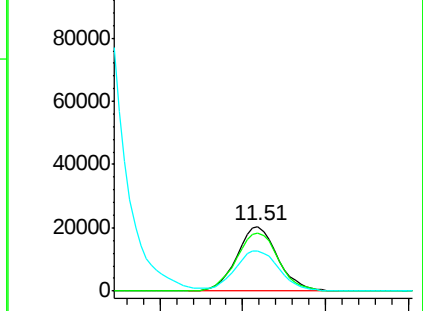
119 68.6 33.5 100.5

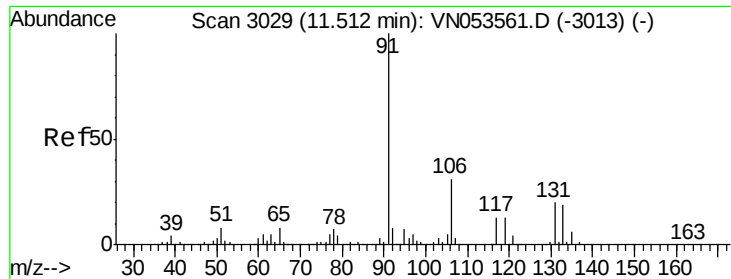


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





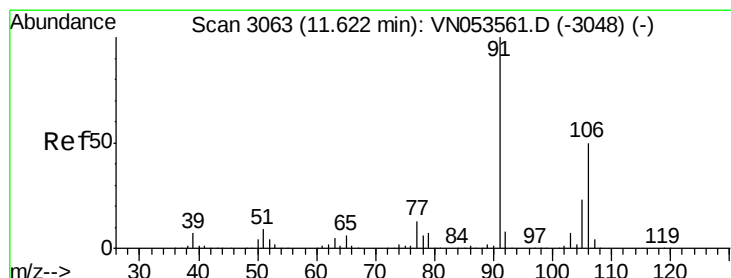
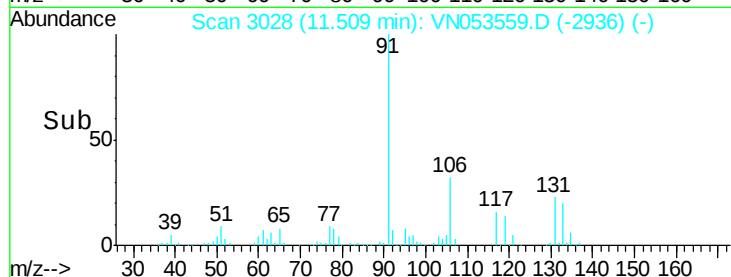
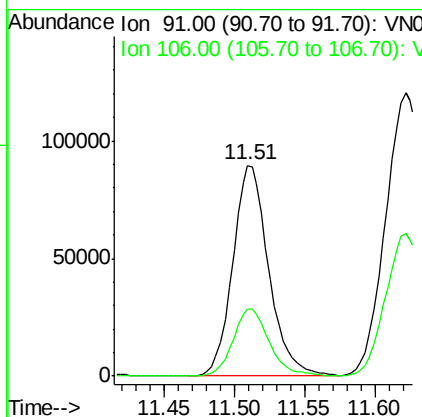
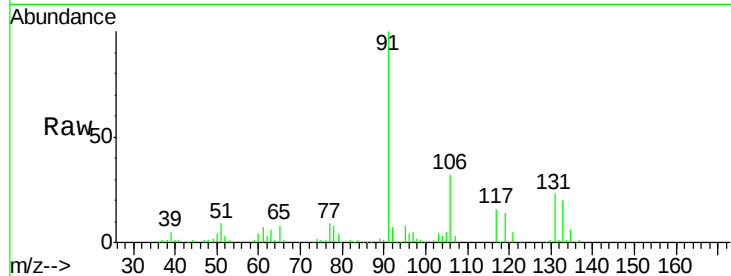
#67
Ethyl Benzene
Concen: 4.822 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tgt Ion: 91 Resp: 159771
Ion Ratio Lower Upper
91 100
106 32.0 25.0 37.6

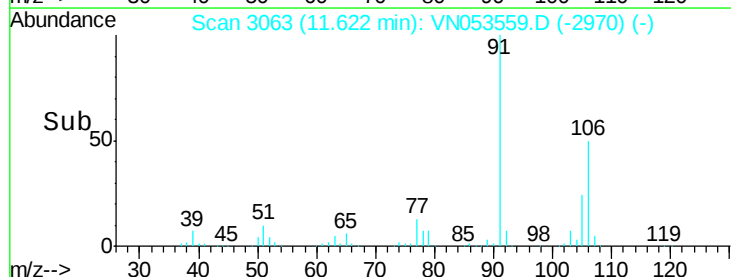
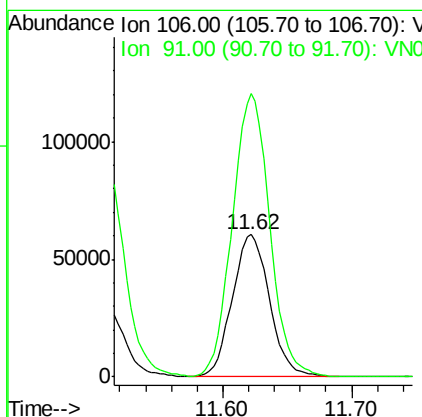
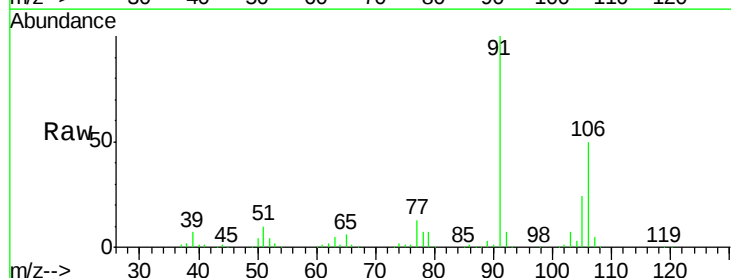
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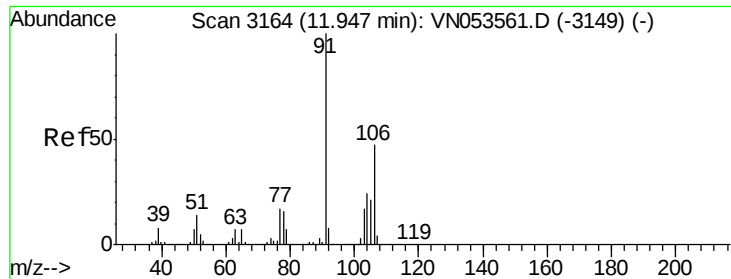
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#68
m/p-Xylenes
Concen: 9.691 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Tgt Ion: 106 Resp: 121448
Ion Ratio Lower Upper
106 100
91 200.1 161.4 242.2





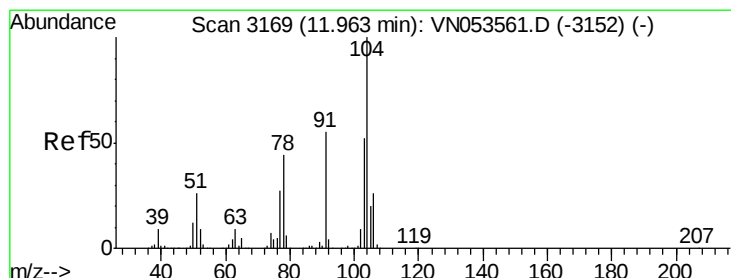
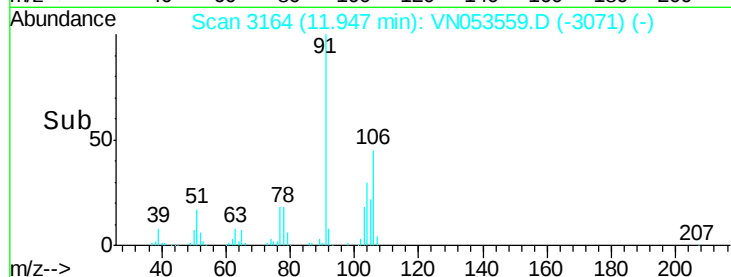
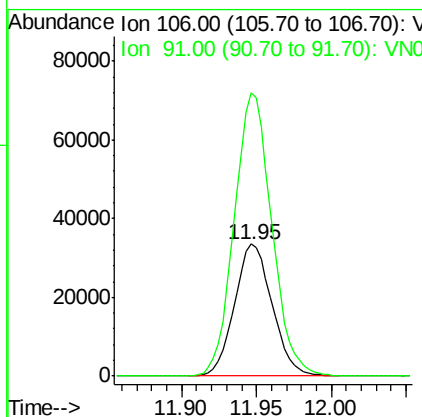
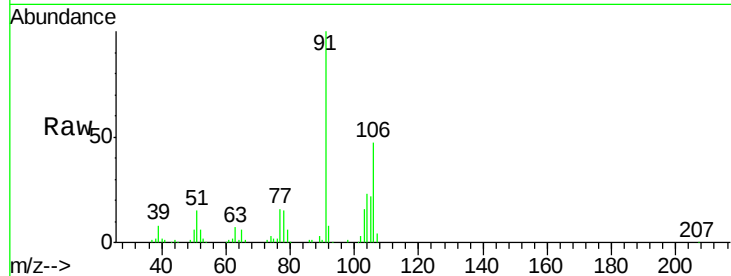
#69
o-Xylene
Concen: 4.830 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tgt Ion:106 Resp: 58863
Ion Ratio Lower Upper
106 100
91 213.7 106.9 320.8

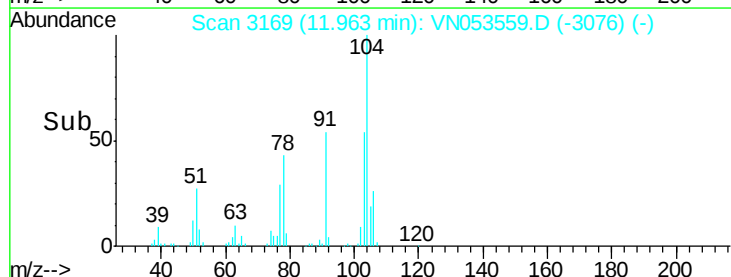
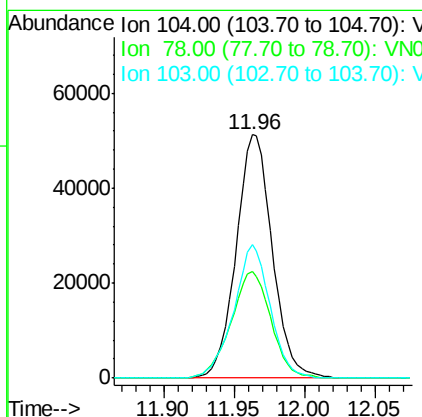
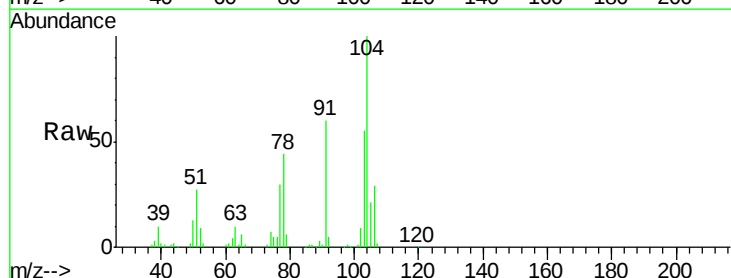
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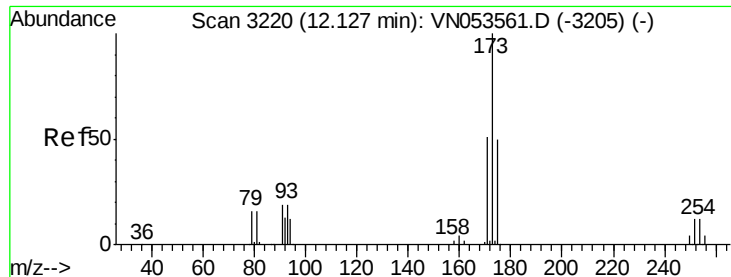
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#70
Styrene
Concen: 4.670 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Tgt Ion:104 Resp: 92120
Ion Ratio Lower Upper
104 100
78 48.2 38.2 57.2
103 55.1 44.4 66.6





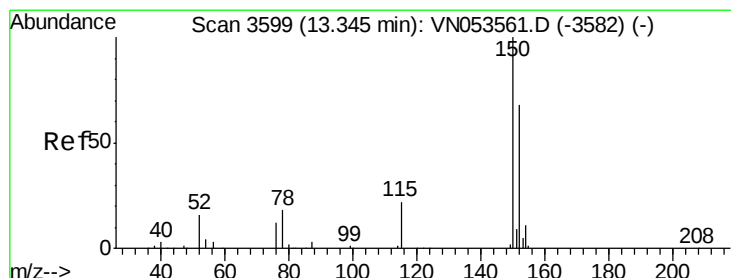
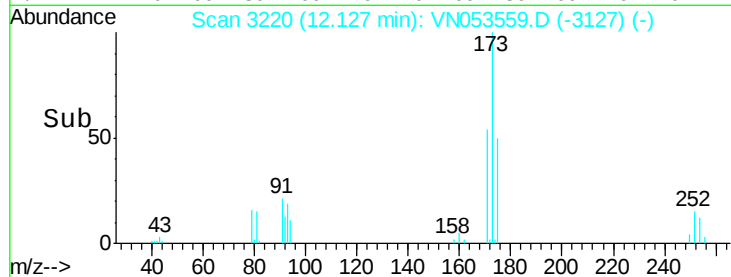
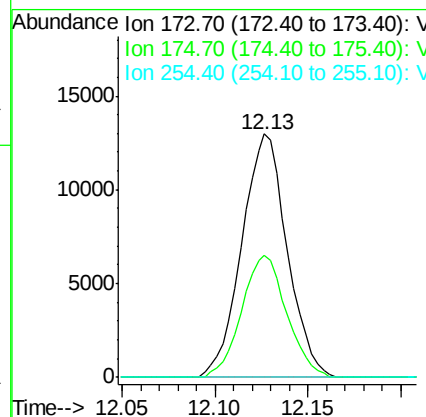
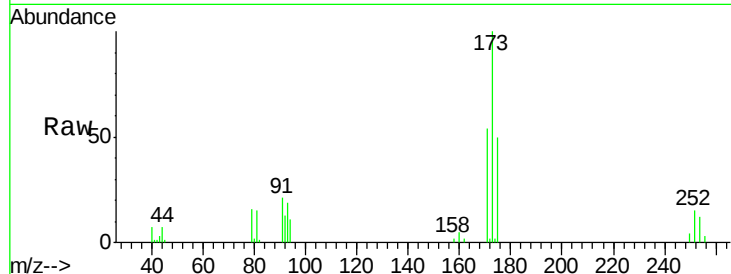
#71
Bromoform
Concen: 4.688 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.6	74.0
254	0.0	0.2	0.2

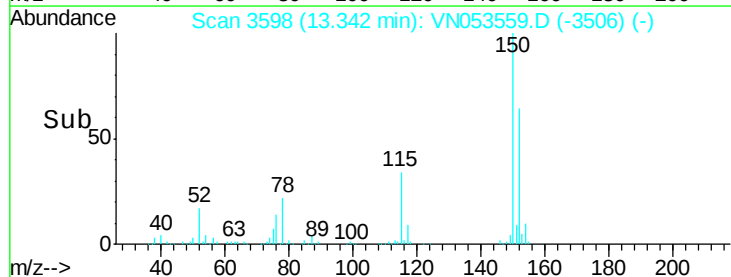
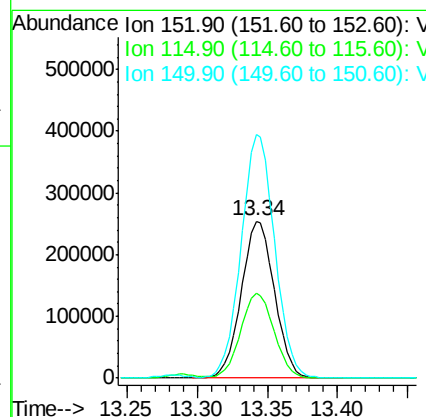
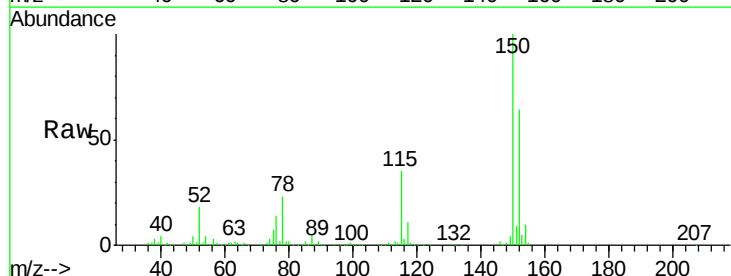
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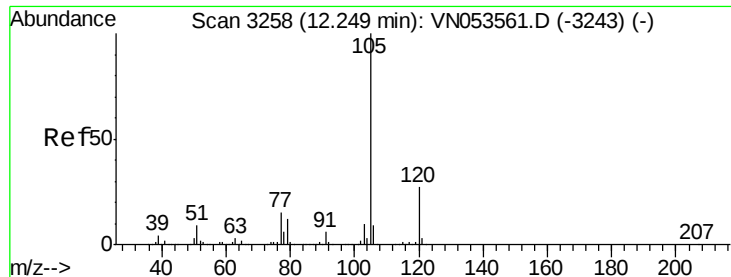
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	27.8	83.4
150	156.5	0.0	349.0





#73

Isopropylbenzene

Concen: 5.060 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tgt Ion: 105 Resp: 153460

Ion Ratio Lower Upper

105 100

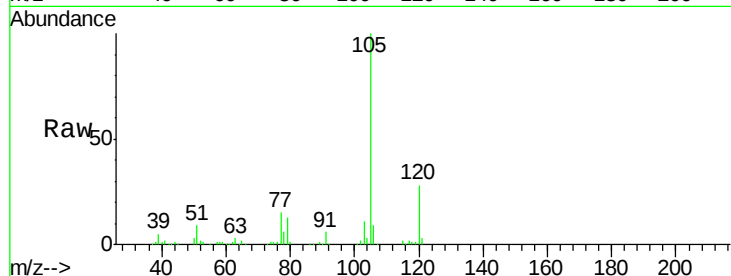
120 27.5 13.6 40.7

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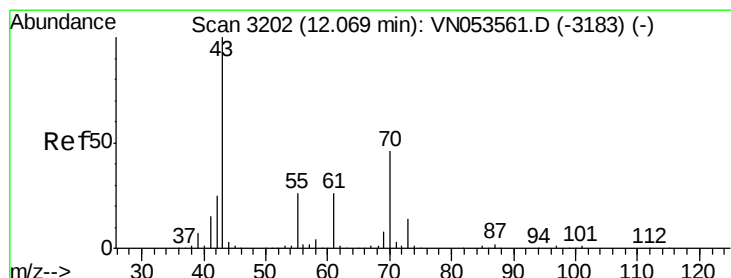
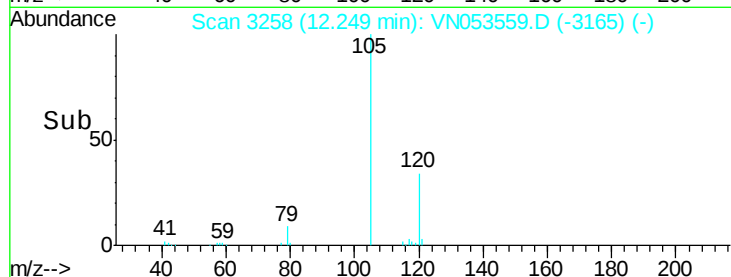
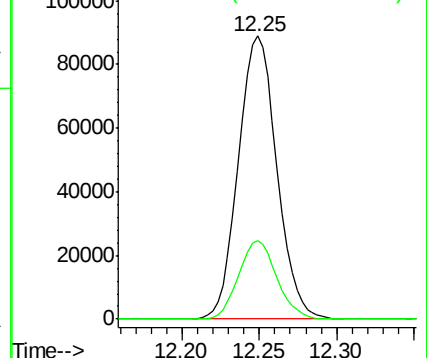
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.395 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Tgt Ion: 43 Resp: 34933

Ion Ratio Lower Upper

43 100

70 42.3 35.4 53.2

55 25.7 20.9 31.3

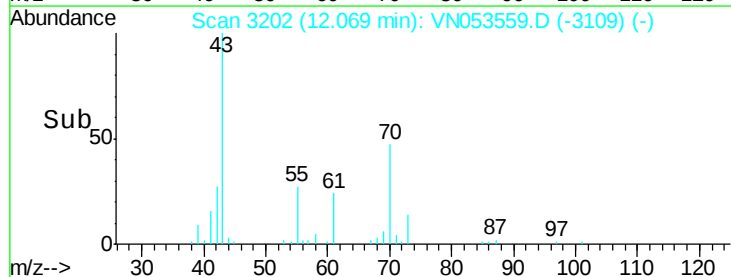
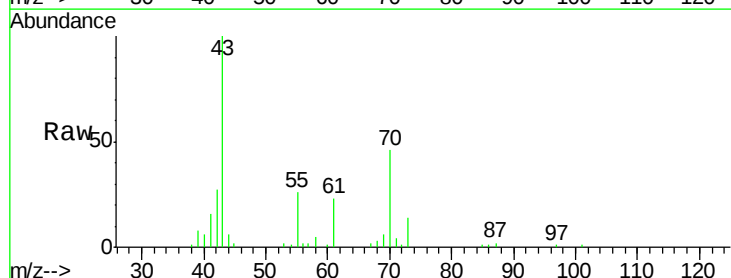
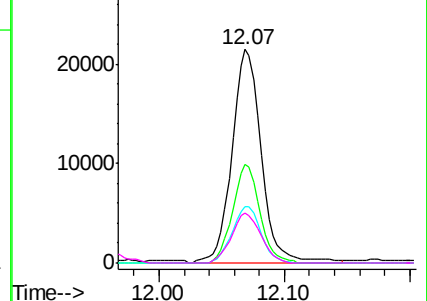
61 23.3 20.5 30.7

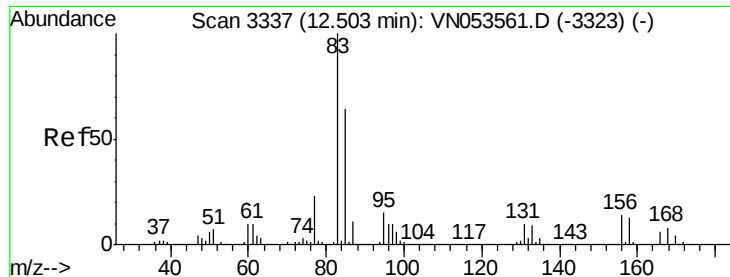
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 5.781 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 83 Resp: 37526
Ion Ratio Lower Upper

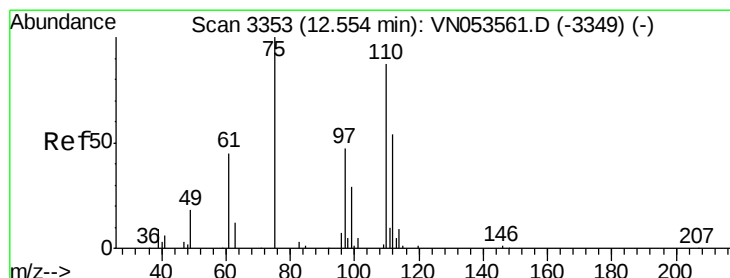
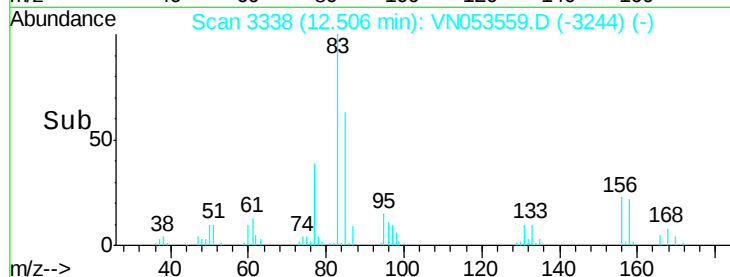
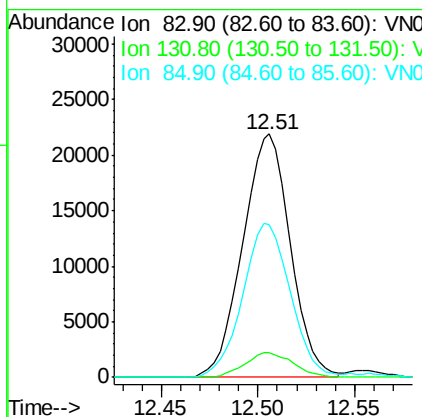
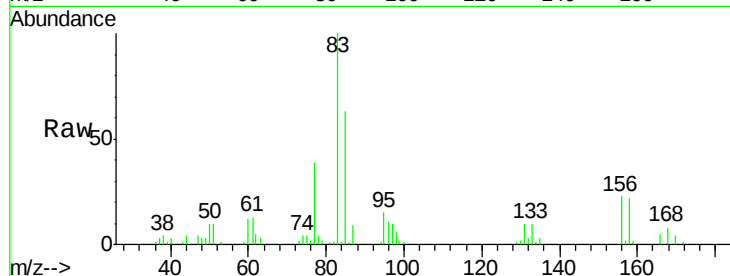
83 100

131 10.2 5.3 15.8

85 63.0 32.1 96.3

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#76

1,2,3-Trichloropropane

Concen: 4.952 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

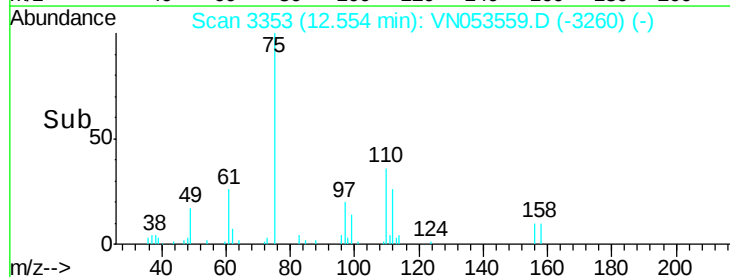
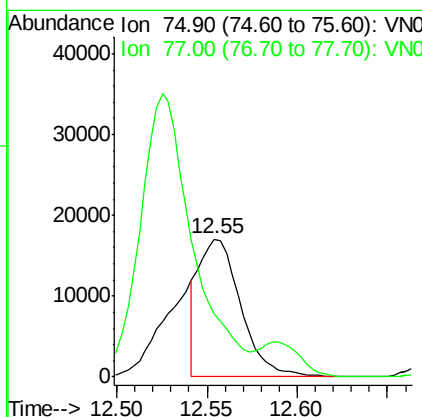
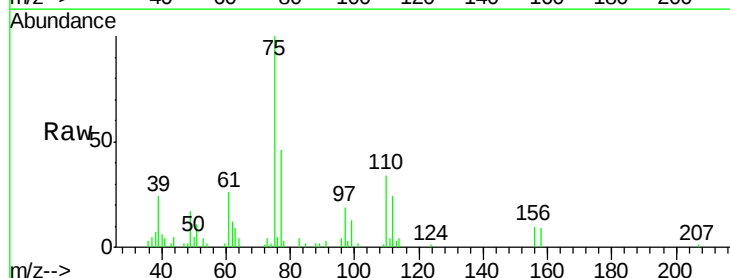
Lab File: VN053559.D

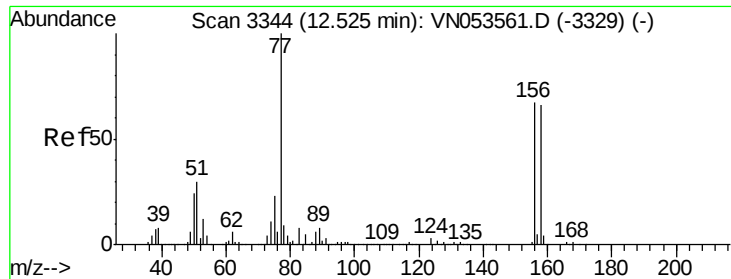
Acq: 30 Jan 2019 9:19

Tgt Ion: 75 Resp: 27404
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 5.023 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

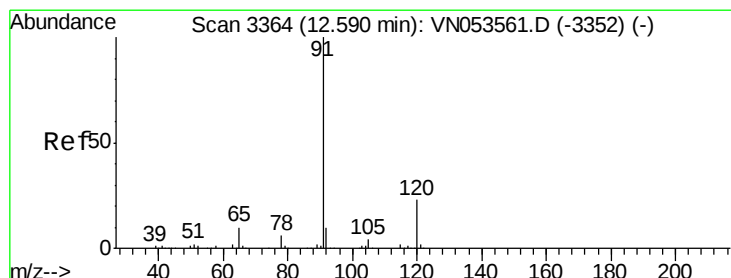
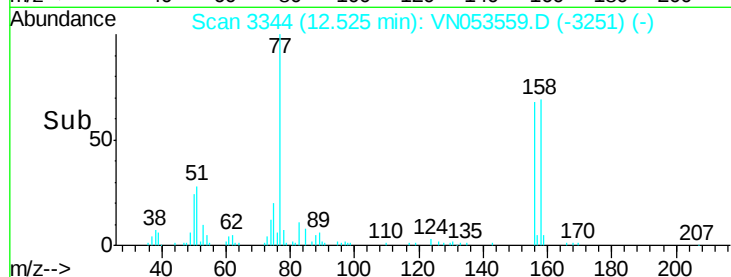
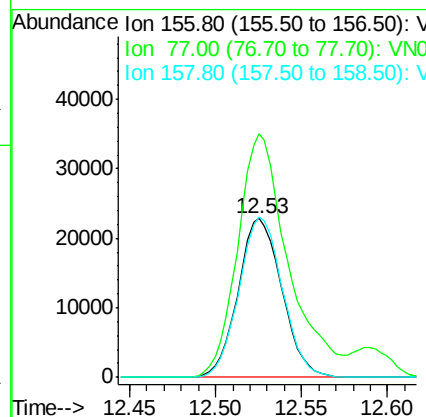
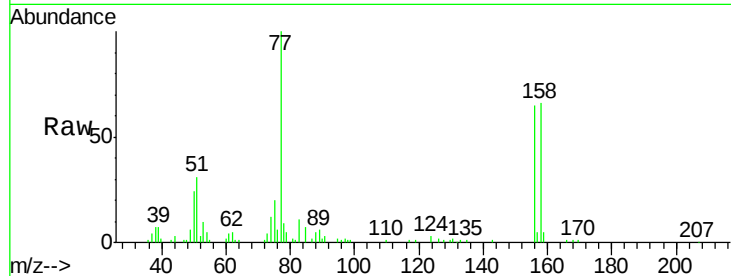
ClientSampled :

VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	40352		
77	177.0	87.9	263.8	
158	100.3	48.8	146.4	

Manual Integrations
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#78

n-propylbenzene

Concen: 4.949 ug/l

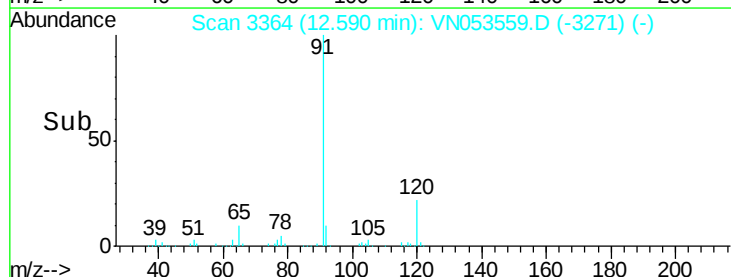
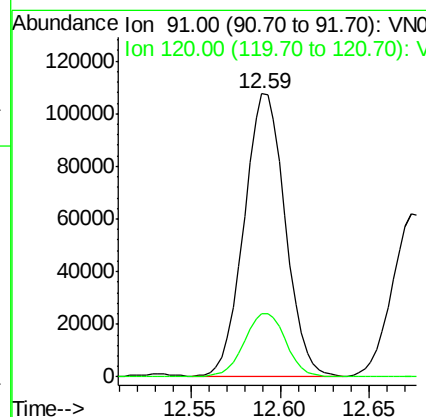
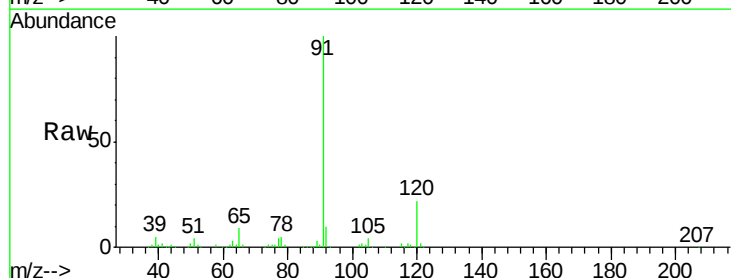
RT: 12.59 min Scan# 3364

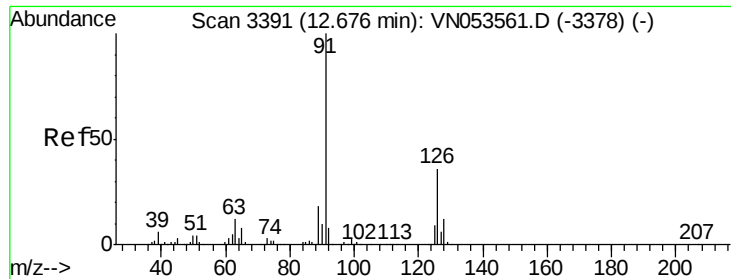
Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	172711		
120	22.7	11.9	35.5	





#79

2-Chlorotoluene

Concen: 5.061 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tgt Ion: 91 Resp: 104722

Ion Ratio Lower Upper

91 100

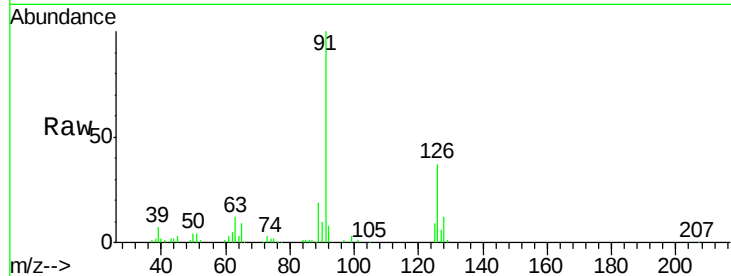
126 35.9 17.9 53.7

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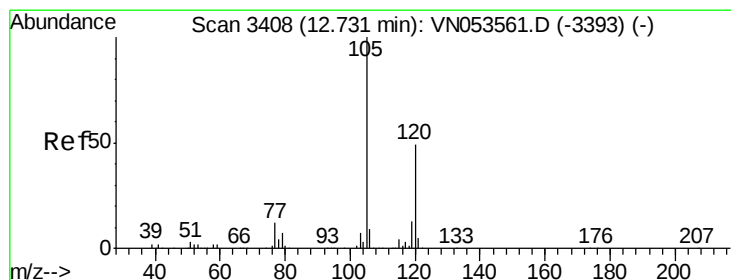
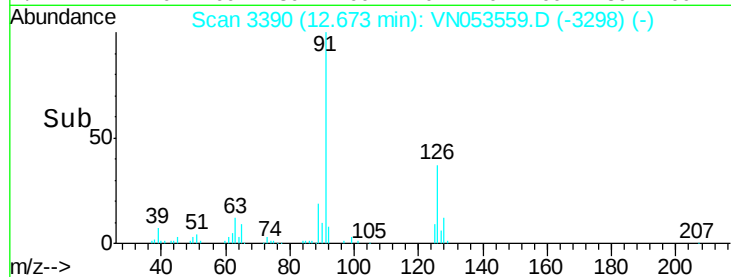
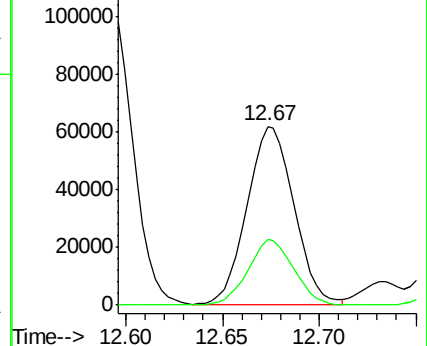
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Abundance Ion 91.00 (90.70 to 91.70): VN053559.D (-3390) (-)

Ion 125.90 (125.60 to 126.60): VN053559.D (-3390) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.023 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053559.D

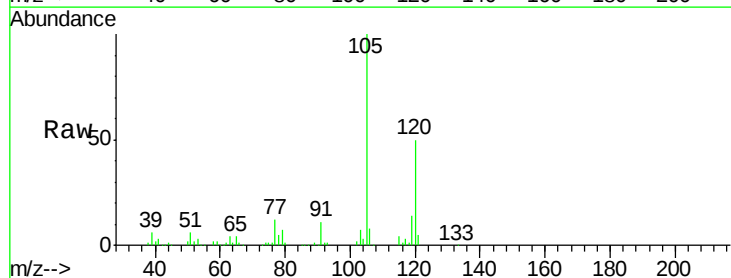
Acq: 30 Jan 2019 9:19

Tgt Ion: 105 Resp: 124745

Ion Ratio Lower Upper

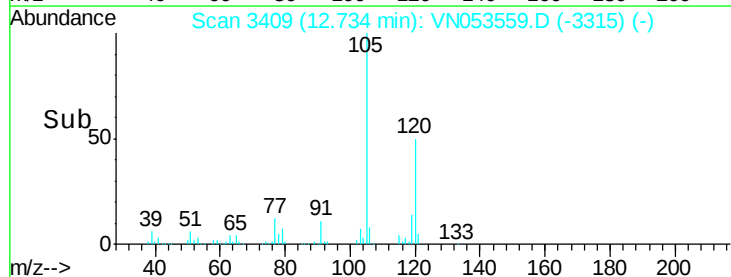
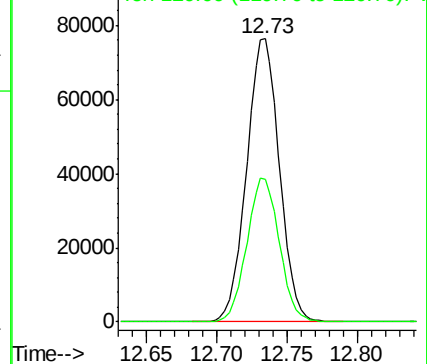
105 100

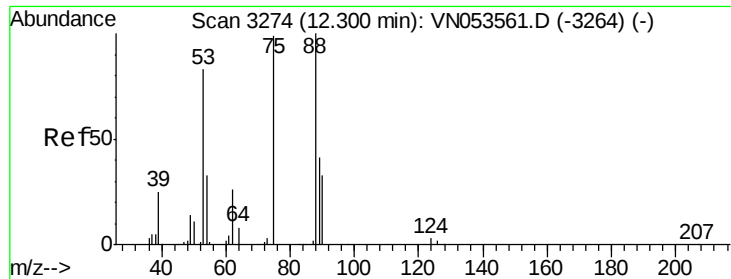
120 50.2 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053559.D (-3408) (-)

Ion 120.00 (119.70 to 120.70): VN053559.D (-3408) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 4.691 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

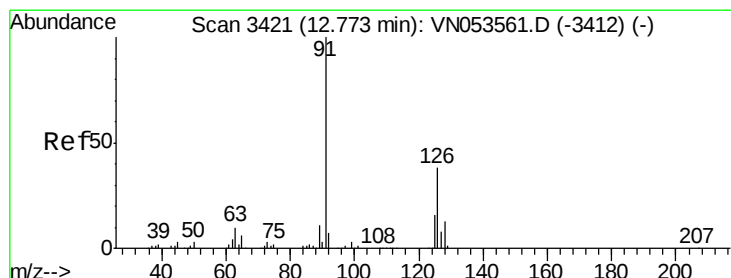
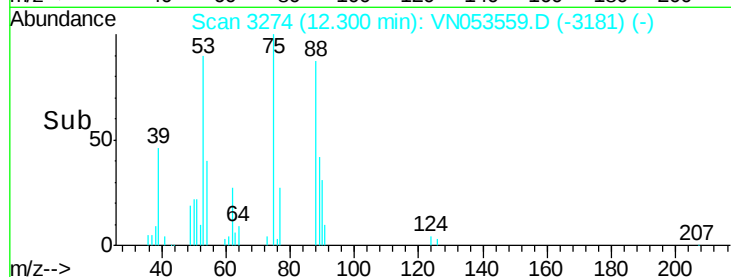
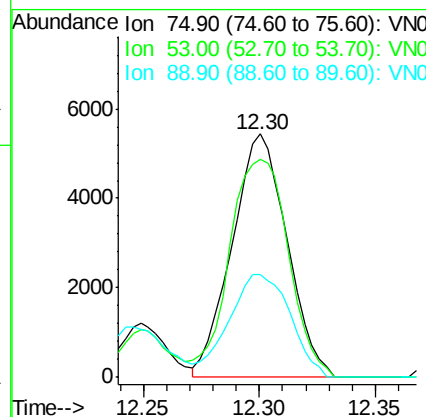
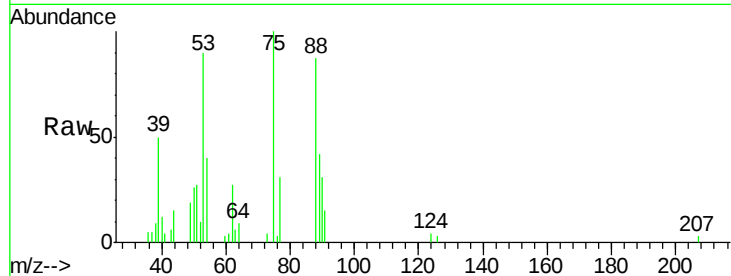
ClientSampleId :

VSTDIC005

Tgt Ion:	75	Resp:	8967
Ion	Ratio	Lower	Upper
75	100		
53	96.6	69.8	104.6
89	47.0	35.6	53.4

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#82

4-Chlorotoluene

Concen: 5.031 ug/l

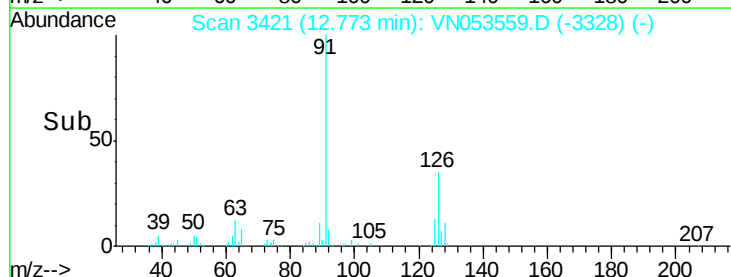
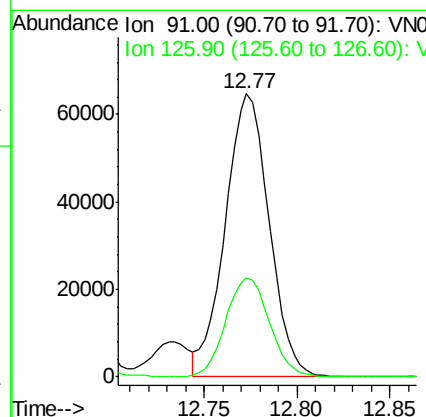
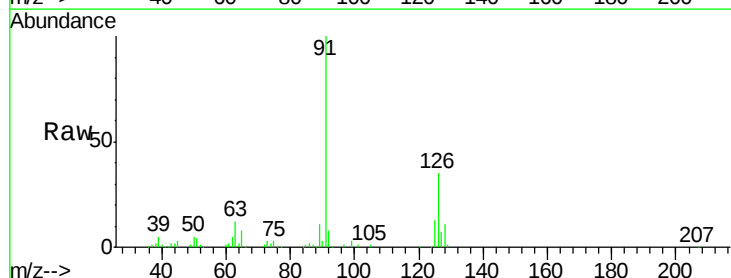
RT: 12.77 min Scan# 3421

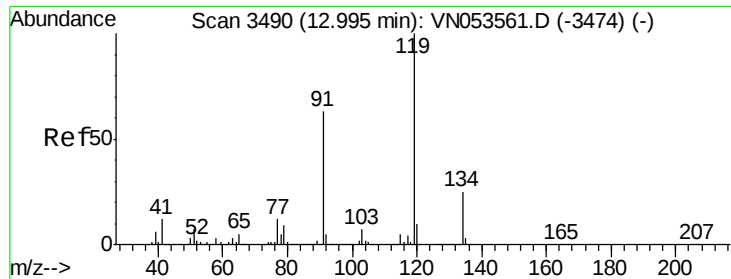
Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Tgt Ion:	91	Resp:	106263
Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.6	52.9





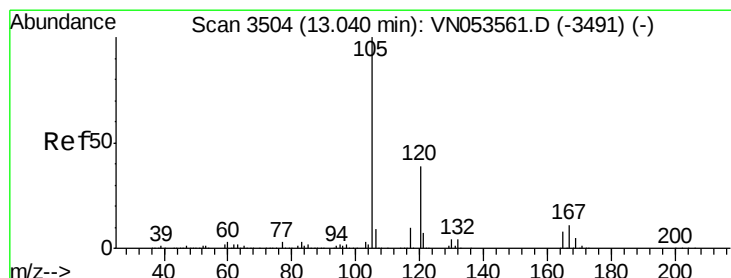
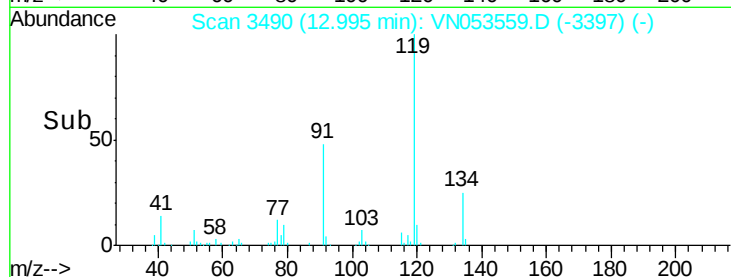
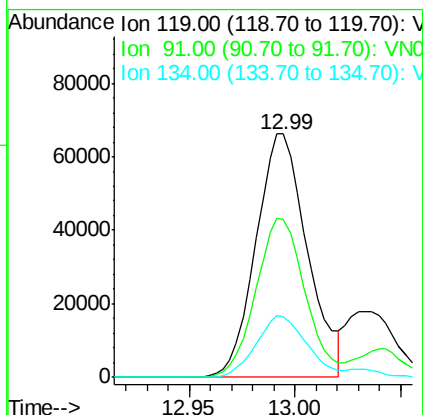
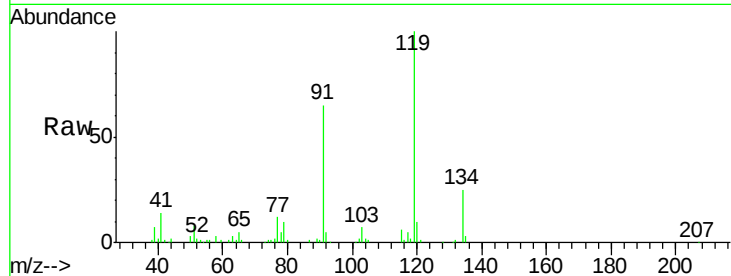
#83
 tert-Butylbenzene
 Concen: 5.135 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053559.D
 Acq: 30 Jan 2019 9:19

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	112296		
91	63.2	31.3	93.8	
134	25.1	12.9	38.7	

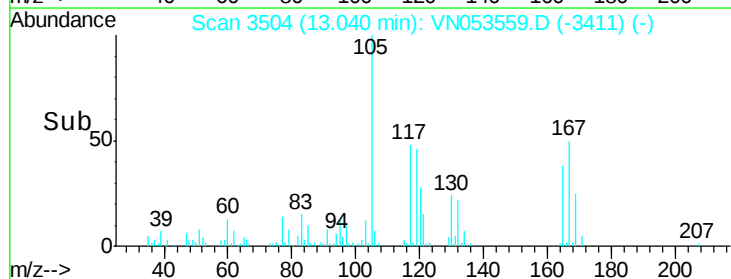
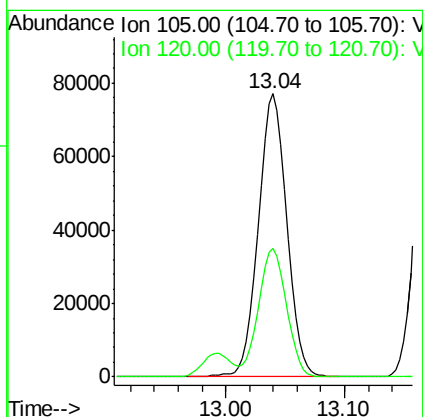
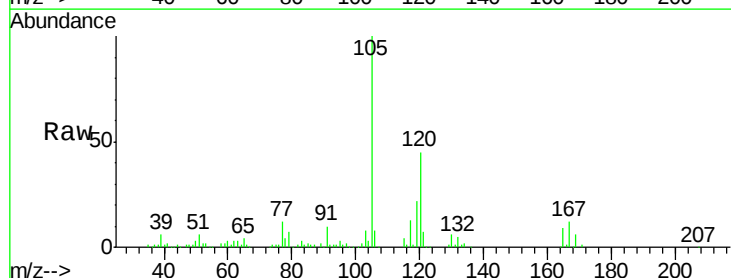
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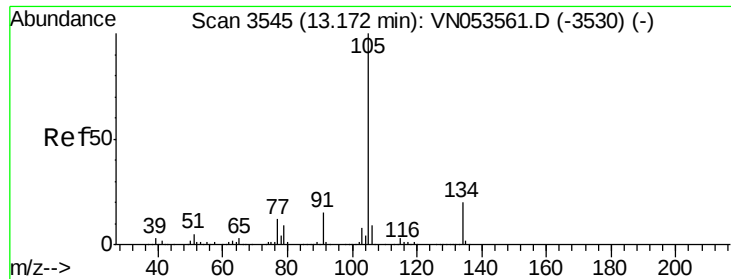
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#84
 1,2,4-Trimethylbenzene
 Concen: 5.094 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053559.D
 Acq: 30 Jan 2019 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	127725		
120	44.7	23.0	69.0	





#85

sec-Butylbenzene

Concen: 5.120 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tgt Ion:105 Resp: 153728

Ion Ratio Lower Upper

105 100

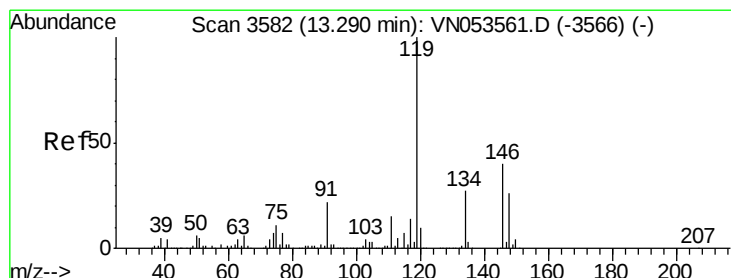
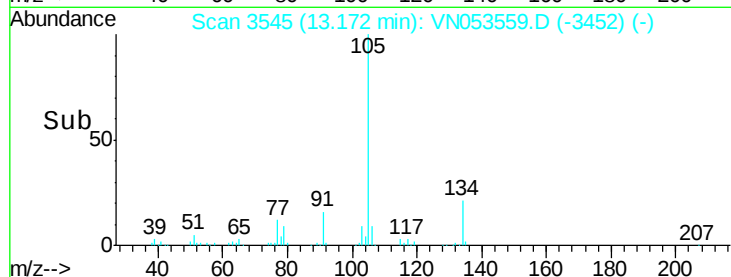
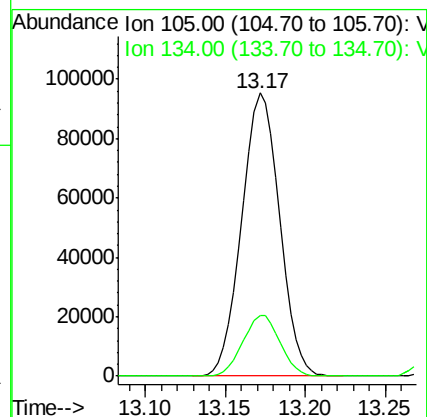
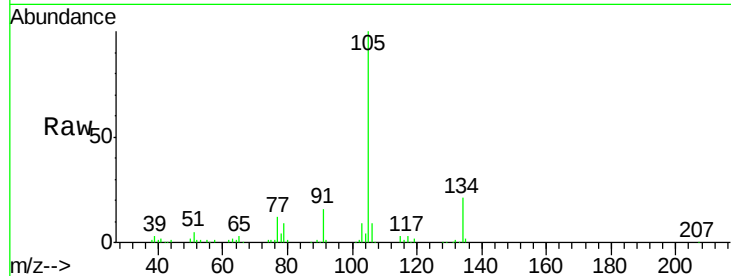
134 21.0 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 4.963 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

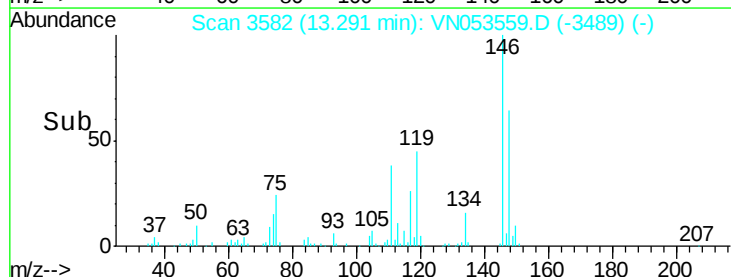
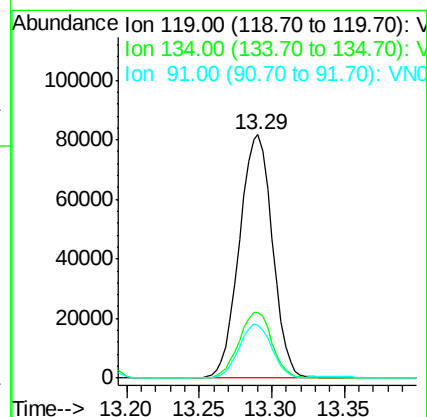
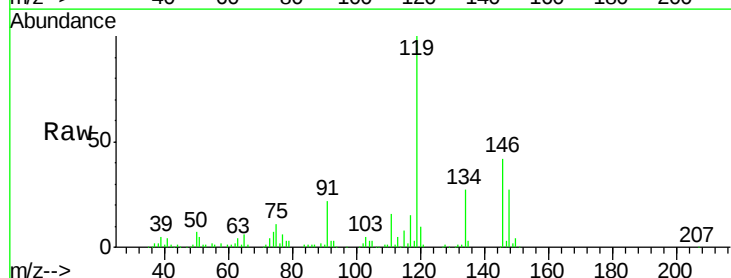
Tgt Ion:119 Resp: 129558

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 21.8 11.0 33.0





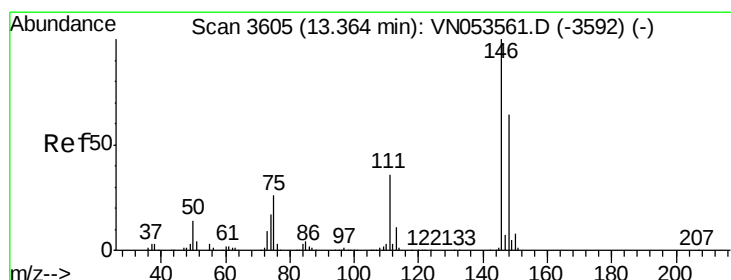
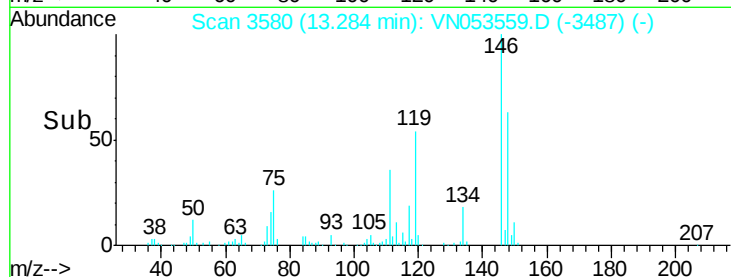
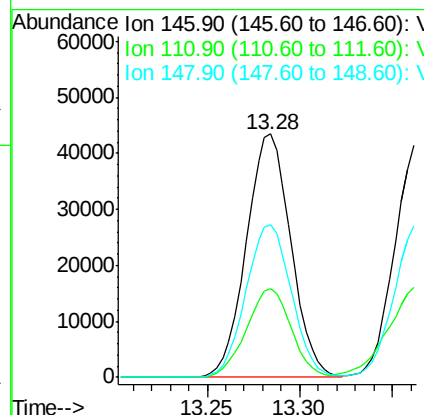
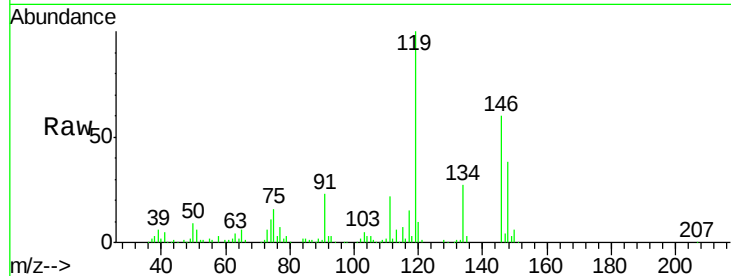
#87
 1,3-Dichlorobenzene
 Concen: 5.107 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053559.D
 Acq: 30 Jan 2019 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.8	56.3
148	64.2	32.0	96.2

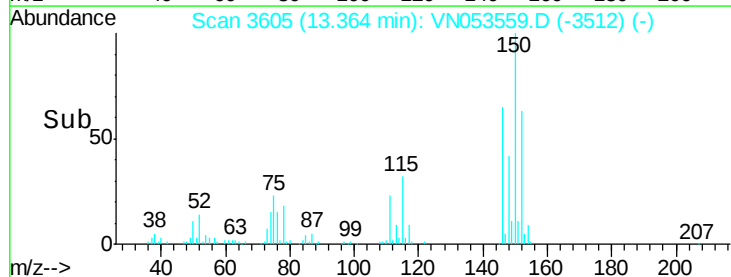
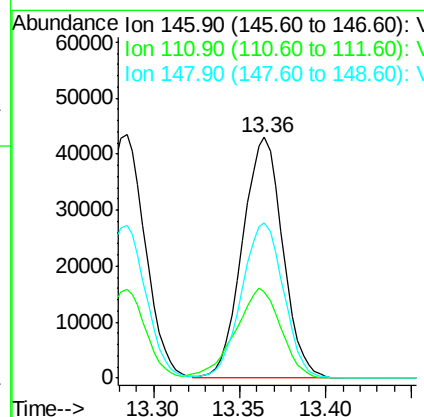
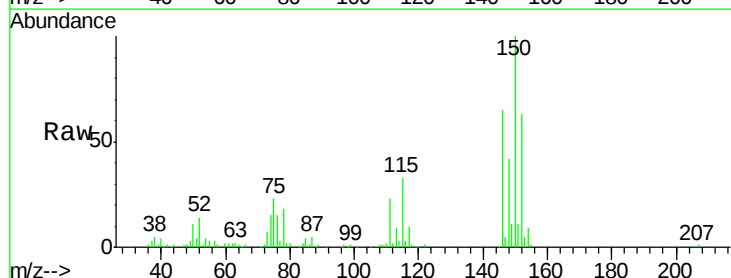
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#88
 1,4-Dichlorobenzene
 Concen: 4.942 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053559.D
 Acq: 30 Jan 2019 9:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.1	18.6	55.8
148	66.8	32.4	97.0





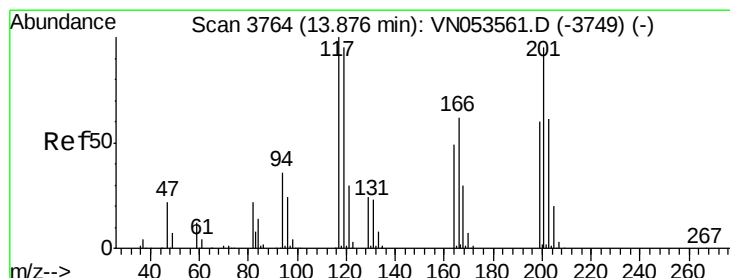
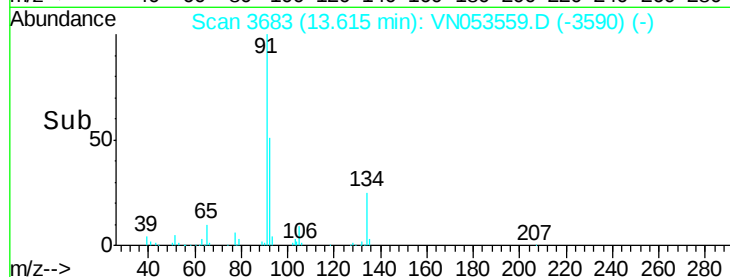
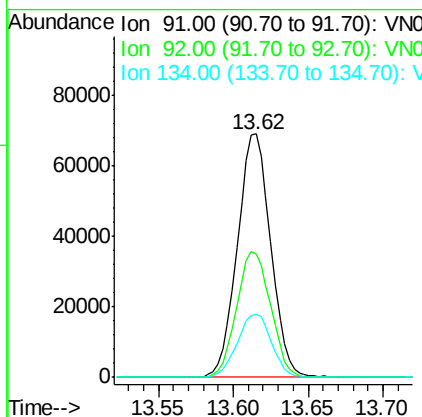
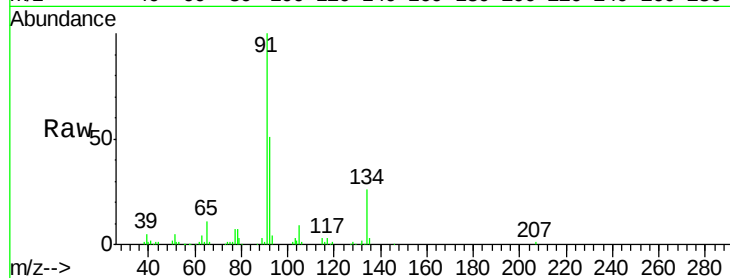
#89
n-Butylbenzene
Concen: 4.809 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.3	78.8
134	26.7	13.5	40.5

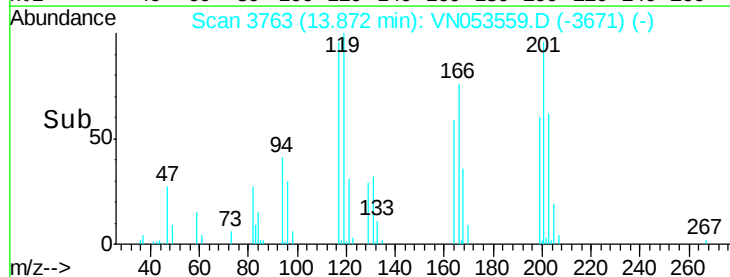
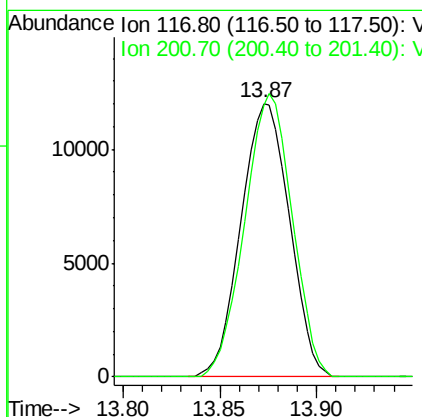
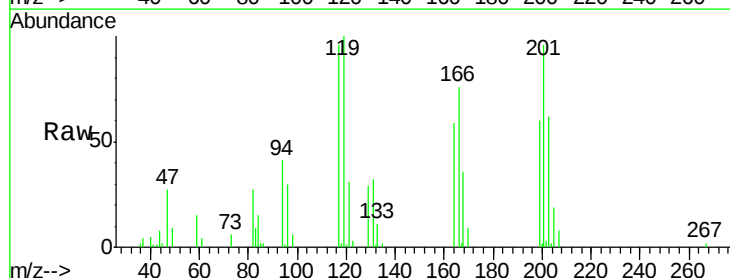
Manual Integrations
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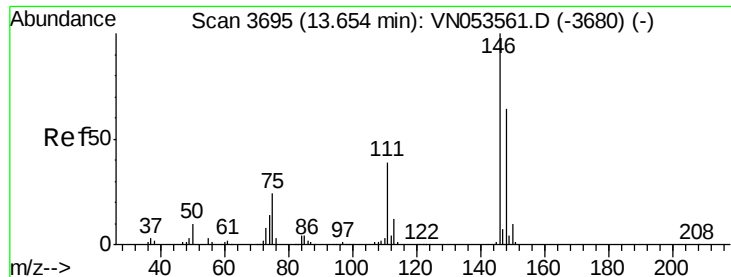
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#90
Hexachloroethane
Concen: 5.097 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	101.5	46.8	140.4





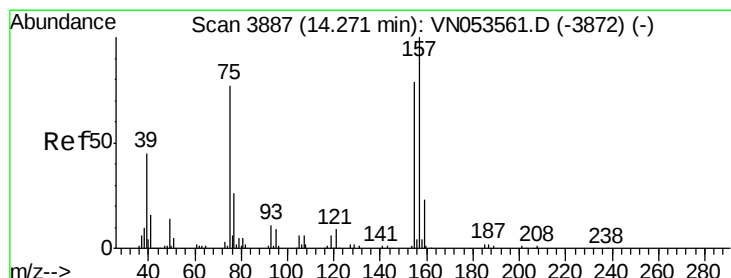
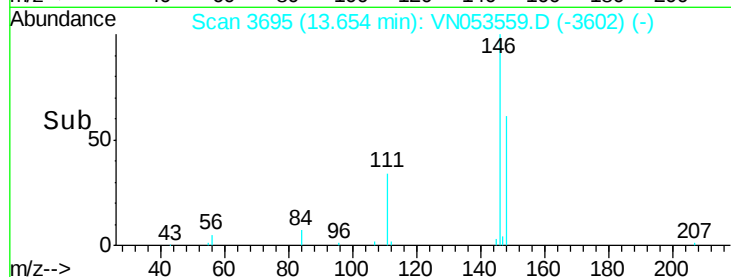
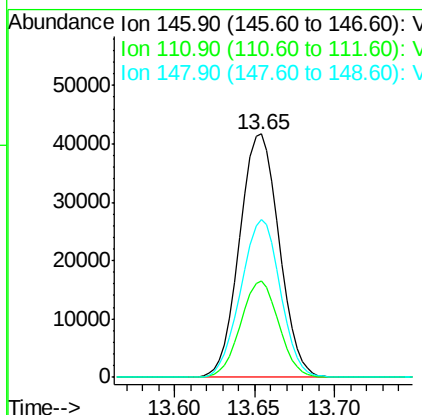
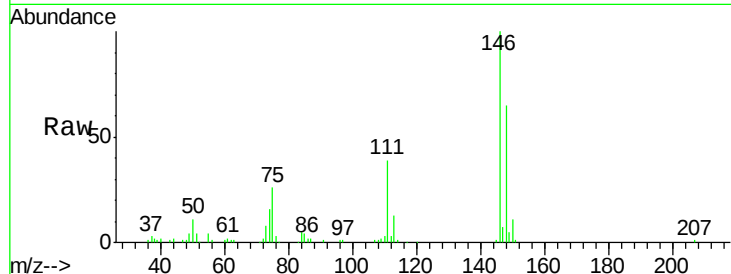
#91
 1,2-Dichlorobenzene
 Concen: 5.374 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053559.D
 Acq: 30 Jan 2019 9:19

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.5	58.5
148	64.7	31.9	95.9

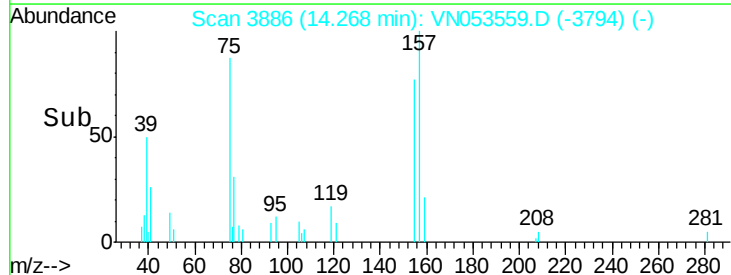
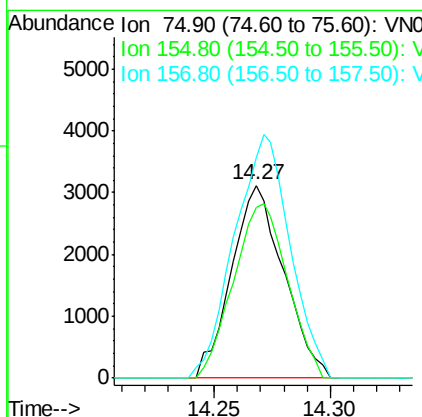
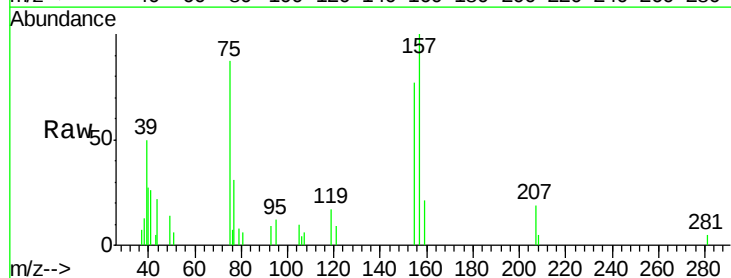
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.765 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053559.D
 Acq: 30 Jan 2019 9:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.9	48.9	146.7
157	134.8	63.7	191.3





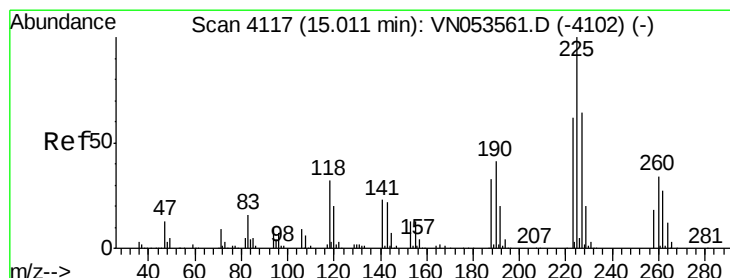
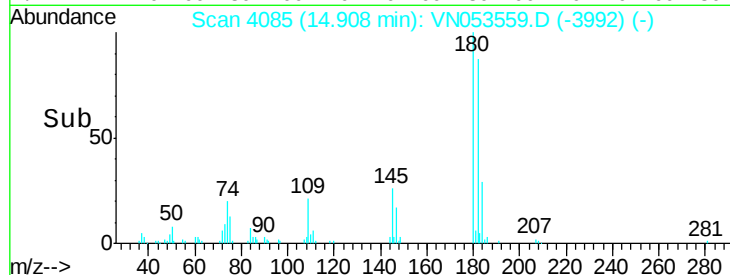
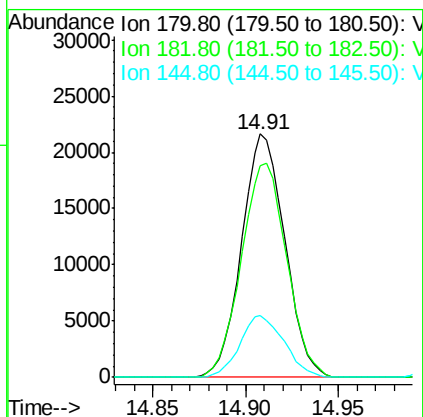
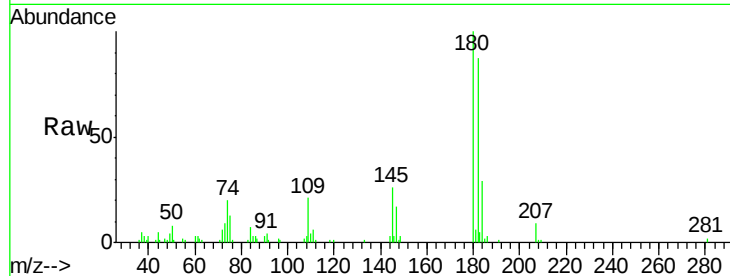
#93
 1,2,4-Trichlorobenzene
 Concen: 6.338 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053559.D
 Acq: 30 Jan 2019 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.0	48.1	144.3
145	25.8	13.9	41.6

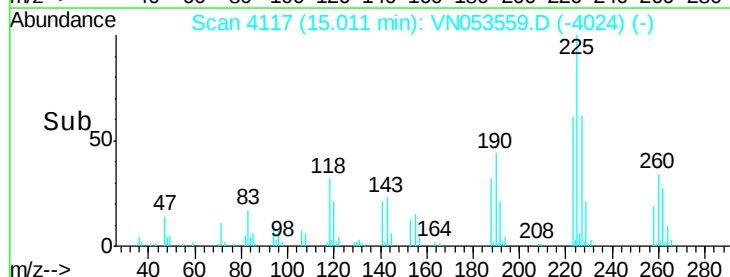
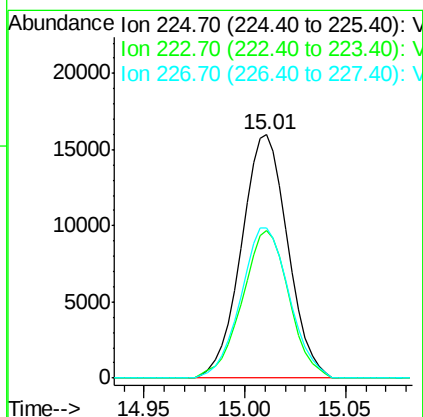
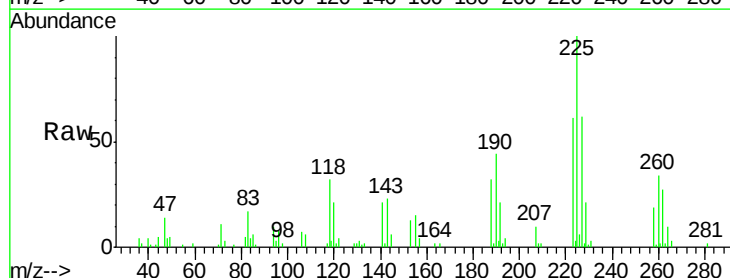
Manual Integrations
 APPROVED

MMDadoda
 2/1/2019 9:18:13 AM



#94
 Hexachlorobutadiene
 Concen: 6.166 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053559.D
 Acq: 30 Jan 2019 9:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	31.1	93.2
227	64.4	32.0	96.2





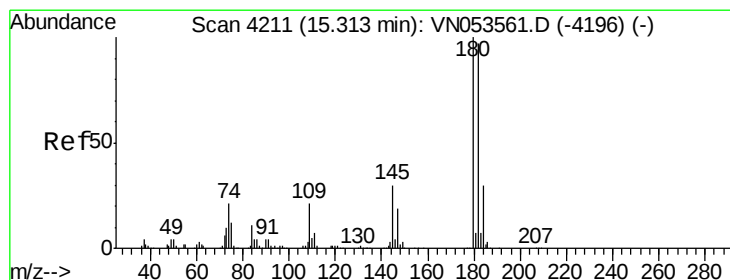
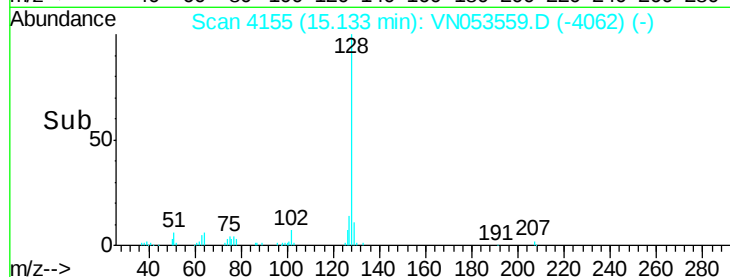
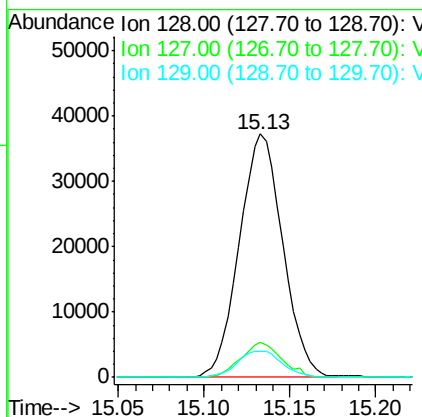
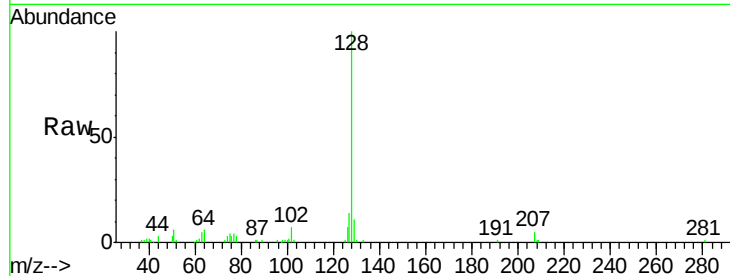
#95
Naphthalene
Concen: 6.688 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.3	15.5
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/1/2019 9:18:13 AM



#96
1,2,3-Trichlorobenzene
Concen: 7.614 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.9	143.8
145	29.3	14.7	44.1

