

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN012319\
 Data File : VN053531.D
 Acq On : 23 Jan 2019 12:16
 Operator : JC/SP
 Sample : VN0123WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBSD01

Quant Time: Jan 24 01:33:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	694076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1049174	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	949647	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	462277	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	364013	53.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.12%	
35) Dibromofluoromethane	7.59	113	325021	54.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.56%	
50) Toluene-d8	10.09	98	1287625	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
62) 4-Bromofluorobenzene	12.40	95	449811	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	107614	19.284	ug/l	99
3) Chloromethane	2.06	50	147501	18.487	ug/l	99
4) Vinyl Chloride	2.19	62	148675	19.331	ug/l	99
5) Bromomethane	2.57	94	103464	19.606	ug/l	98
6) Chloroethane	2.71	64	91079	19.587	ug/l	99
7) Trichlorofluoromethane	3.03	101	206309	20.508	ug/l	100
8) Diethyl Ether	3.41	74	80691	21.356	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	127495	20.012	ug/l	99
10) Methyl Iodide	3.96	142	192191	19.740	ug/l	100
11) Tert butyl alcohol	4.77	59	20987	62.520	ug/l	95
12) 1,1-Dichloroethene	3.74	96	125527	20.314	ug/l	97
13) Acrolein	3.61	56	73097	124.181	ug/l	100
14) Allyl chloride	4.33	41	205295	20.453	ug/l	98
15) Acrylonitrile	4.99	53	252174	114.148	ug/l	99
16) Acetone	3.82	43	185122	115.015	ug/l	98
17) Carbon Disulfide	4.06	76	345604	18.494	ug/l	99
18) Methyl Acetate	4.32	43	127121	23.442	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	361442	22.013	ug/l	100
20) Methylene Chloride	4.55	84	148814	20.251	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	132468	20.051	ug/l	99
22) Diisopropyl ether	5.95	45	449408	21.447	ug/l	98
23) Vinyl Acetate	5.90	43	1419510	110.204	ug/l	99
24) 1,1-Dichloroethane	5.85	63	261959	21.147	ug/l	98
25) 2-Butanone	6.83	43	287481	115.905	ug/l	100
26) 2,2-Dichloropropane	6.83	77	189572	20.269	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	158635	20.998	ug/l	99
28) Bromochloromethane	7.19	49	111339	20.403	ug/l	98
29) Tetrahydrofuran	7.21	42	190081	117.719	ug/l	100
30) Chloroform	7.37	83	257506	21.336	ug/l	99
31) Cyclohexane	7.65	56	232433	19.143	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	212599	20.766	ug/l	99
36) 1,1-Dichloropropene	7.80	75	189687	19.852	ug/l	99
37) Ethyl Acetate	6.93	43	125350	22.802	ug/l	100
38) Carbon Tetrachloride	7.78	117	184328	20.377	ug/l	99

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	226397	19.170	ug/l	99
40) Benzene	8.04	78	598228	20.603	ug/l	99
41) Methacrylonitrile	7.18	41	72242	22.488	ug/l	96
42) 1,2-Dichloroethane	8.13	62	181988	21.514	ug/l	100
43) Isopropyl Acetate	8.16	43	226270	22.891	ug/l	98
44) Trichloroethene	8.84	130	165165	20.512	ug/l	100
45) 1,2-Dichloropropane	9.12	63	159608	20.753	ug/l	99
46) Dibromomethane	9.21	93	93888	21.248	ug/l	99
47) Bromodichloromethane	9.40	83	195740	21.065	ug/l	98
48) Methyl methacrylate	9.20	41	110128	21.578	ug/l	97
49) 1,4-Dioxane	9.20	88	30138	604.646	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	633934	117.482	ug/l	100
52) Toluene	10.16	92	373979	20.747	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	197359	20.954	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	230527	20.879	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	136240	21.922	ug/l	100
56) Ethyl methacrylate	10.43	69	173302	20.898	ug/l	100
57) 1,3-Dichloropropane	10.71	76	229383	21.336	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	454683	104.579	ug/l	99
59) 2-Hexanone	10.75	43	434060	114.590	ug/l	99
60) Dibromochloromethane	10.90	129	148967	21.134	ug/l	98
61) 1,2-Dibromoethane	11.01	107	132505	21.082	ug/l	98
64) Tetrachloroethene	10.63	164	183862	20.545	ug/l	99
65) Chlorobenzene	11.43	112	416737	20.732	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	147945	21.157	ug/l	99
67) Ethyl Benzene	11.51	91	694116	20.262	ug/l	100
68) m/p-Xylenes	11.62	106	538131	41.606	ug/l	99
69) o-Xylene	11.95	106	260855	20.756	ug/l	99
70) Styrene	11.96	104	429133	21.039	ug/l	99
71) Bromoform	12.13	173	106561	22.135	ug/l #	99
73) Isopropylbenzene	12.25	105	694870	20.526	ug/l	100
74) N-amyl acetate	12.07	43	197576	21.894	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	156578	22.054	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	209820	34.442	ug/l #	100
77) Bromobenzene	12.53	156	185817	20.831	ug/l	99
78) n-propylbenzene	12.59	91	797788	20.530	ug/l	100
79) 2-Chlorotoluene	12.67	91	474354	20.594	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	575058	20.878	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	46481	20.865	ug/l	94
82) 4-Chlorotoluene	12.77	91	487312	20.746	ug/l	100
83) tert-Butylbenzene	12.99	119	504525	20.739	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	582492	20.974	ug/l	98
85) sec-Butylbenzene	13.17	105	692705	20.762	ug/l	99
86) p-Isopropyltoluene	13.29	119	607209	20.961	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	326613	20.815	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	322445	20.486	ug/l	99
89) n-Butylbenzene	13.62	91	499873	20.243	ug/l	99
90) Hexachloroethane	13.88	117	94367	20.771	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	318268	22.047	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24349	27.047	ug/l	95

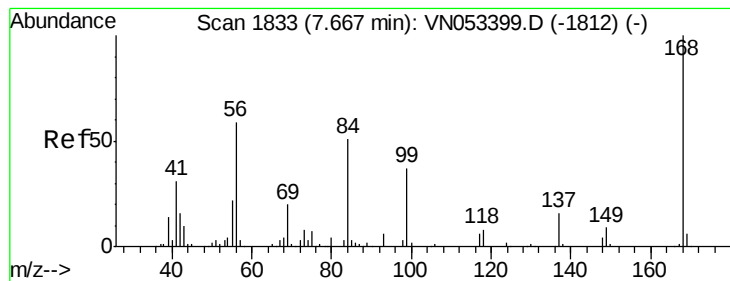
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN012319\
Data File : VN053531.D
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	145945	24.412	ug/l	100
94) Hexachlorobutadiene	15.01	225	103190	22.915	ug/l	98
95) Naphthalene	15.13	128	261822	25.522	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	113463	26.348	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: VN053531.D

Acq: 23 Jan 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

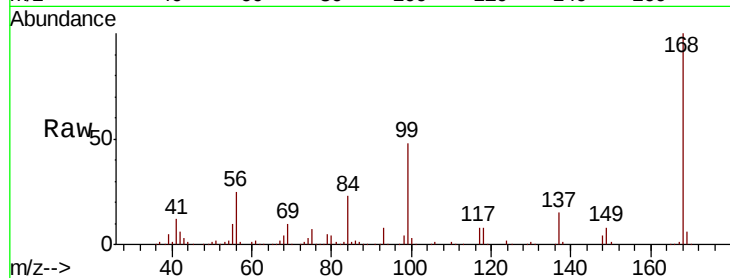
VN0123WBSD01

Tgt Ion:168 Resp: 694076

Ion Ratio Lower Upper

168 100

99 48.0 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

300000

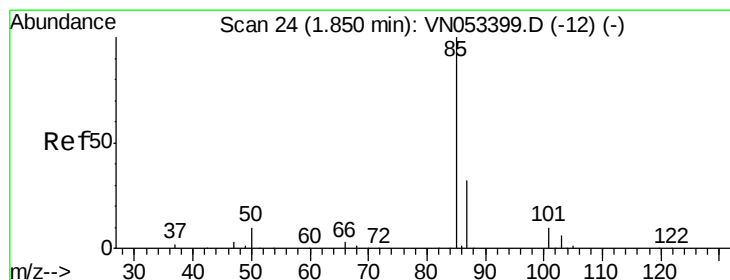
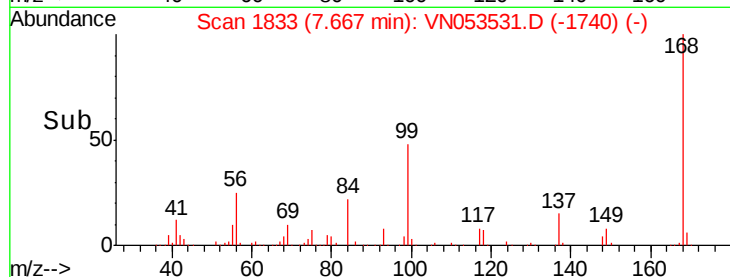
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.284 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053531.D

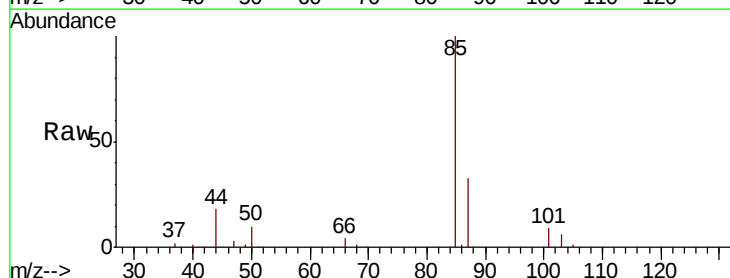
Acq: 23 Jan 2019 12:16

Tgt Ion: 85 Resp: 107614

Ion Ratio Lower Upper

85 100

87 32.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

80000

60000

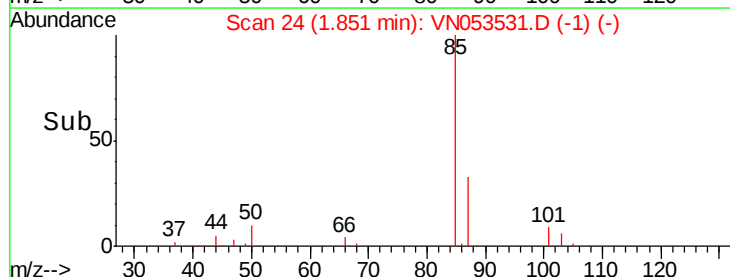
40000

20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.487 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

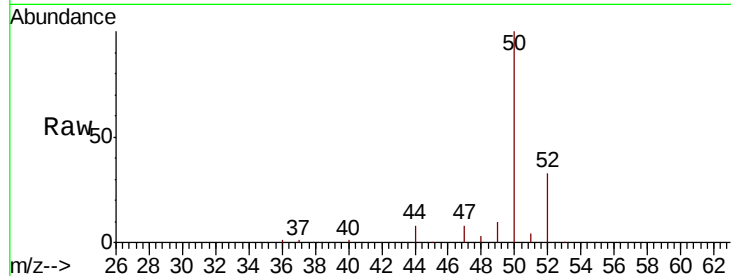
VN0123WBSD01

Tgt Ion: 50 Resp: 147501

Ion Ratio Lower Upper

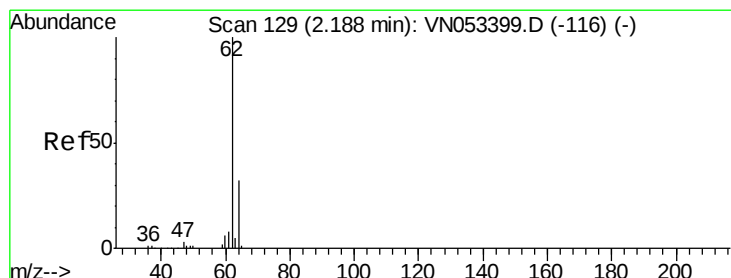
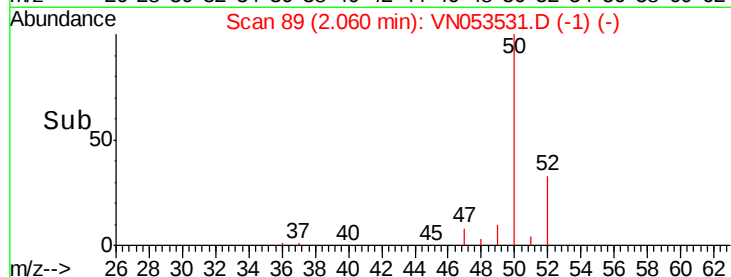
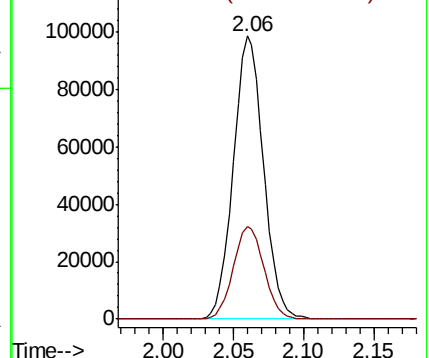
50 100

52 32.8 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.331 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053531.D

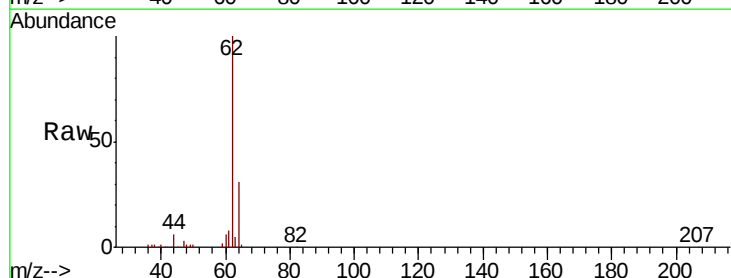
Acq: 23 Jan 2019 12:16

Tgt Ion: 62 Resp: 148675

Ion Ratio Lower Upper

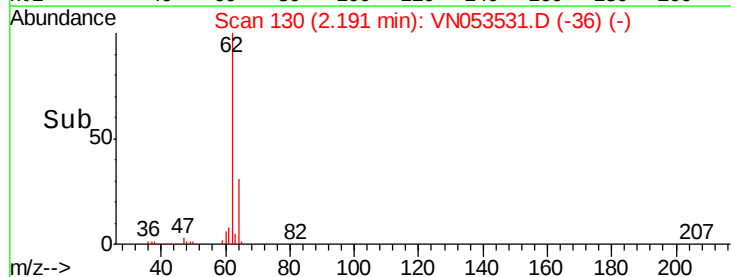
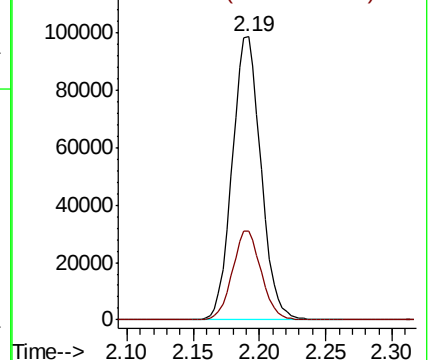
62 100

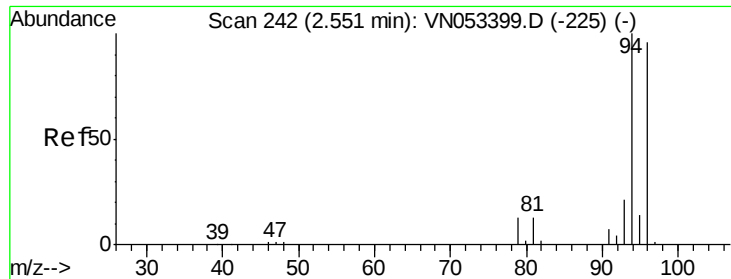
64 31.2 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

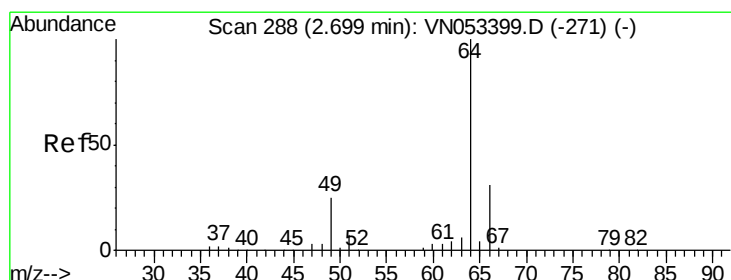
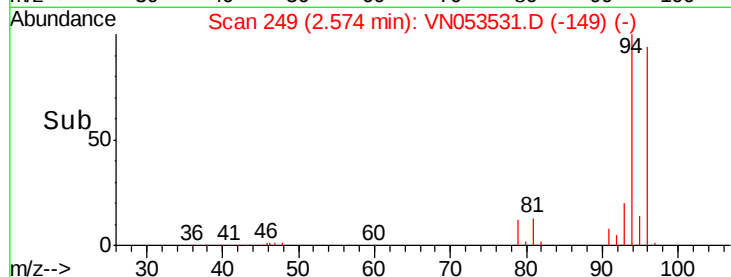
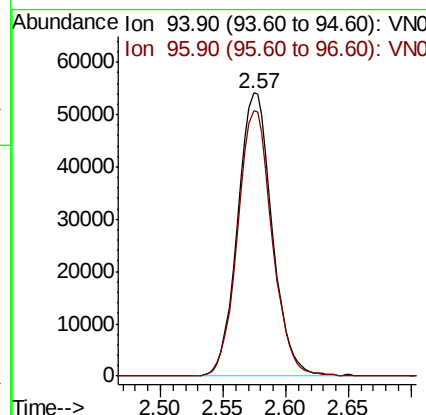
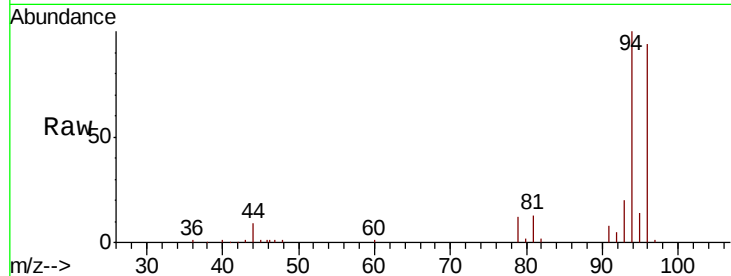




#5
Bromomethane
Concen: 19.606 ug/l
RT: 2.57 min Scan# 249
Delta R.T. 0.02 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

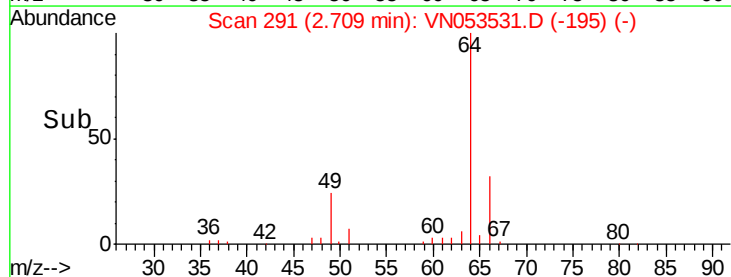
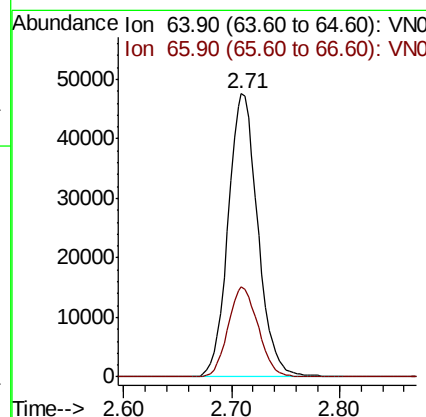
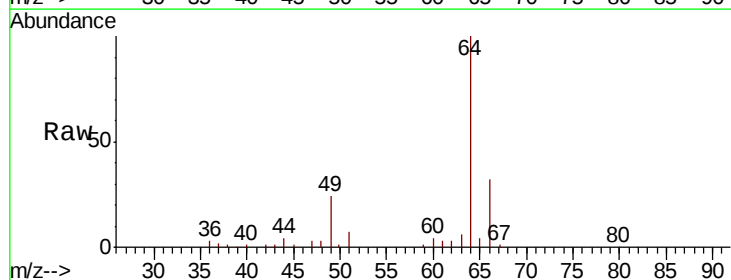
Instrument :
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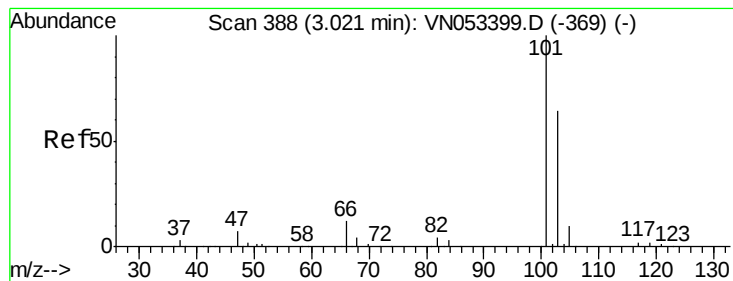
Tgt Ion: 94 Resp: 103464
Ion Ratio Lower Upper
94 100
96 94.0 76.8 115.2



#6
Chloroethane
Concen: 19.587 ug/l
RT: 2.71 min Scan# 291
Delta R.T. 0.01 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Tgt Ion: 64 Resp: 91079
Ion Ratio Lower Upper
64 100
66 31.8 25.1 37.7



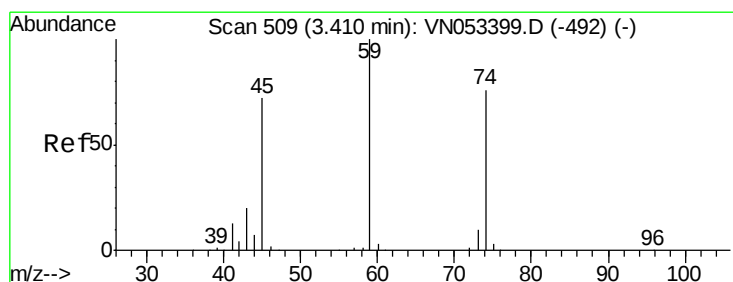
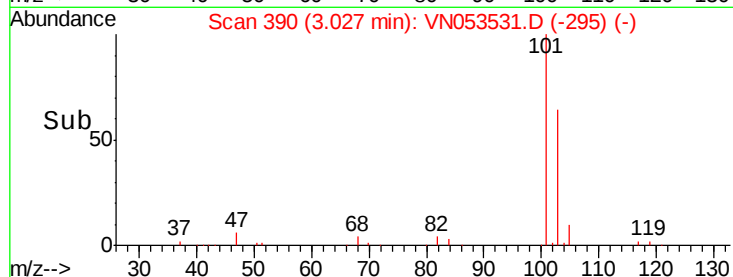
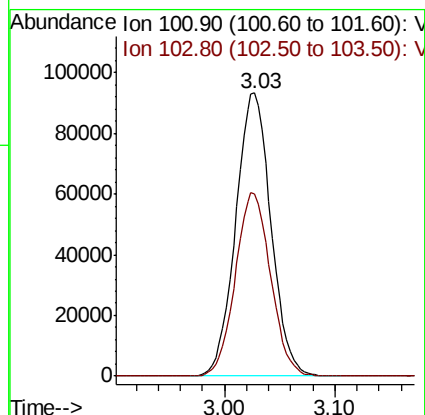
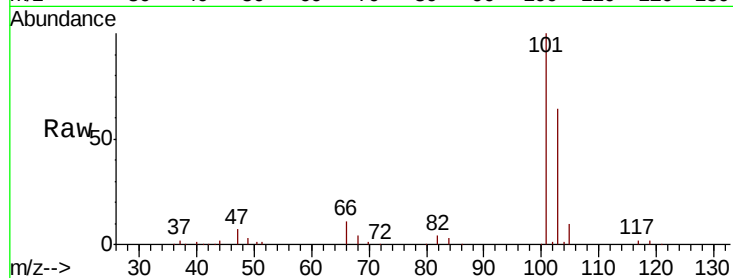


#7

Trichlorofluoromethane
 Concen: 20.508 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.01 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0123WBSD01

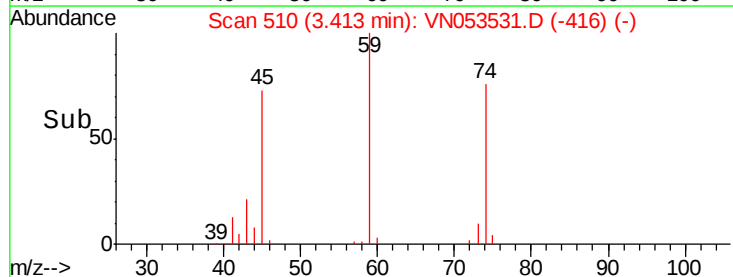
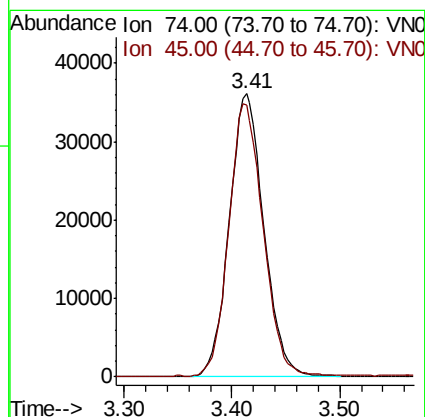
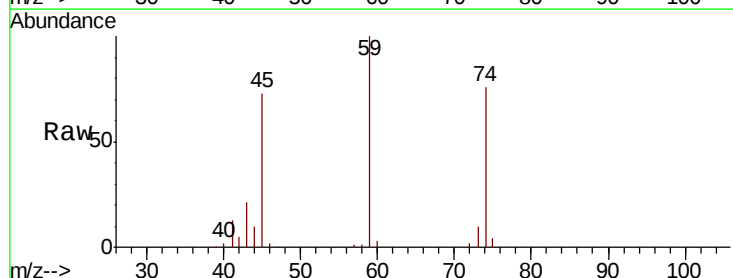
Tgt Ion: 101 Resp: 206309
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.6 77.4

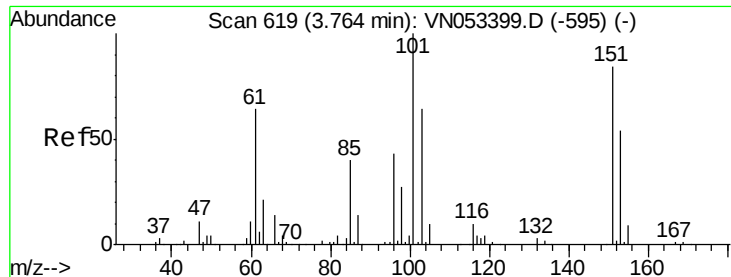


#8

Diethyl Ether
 Concen: 21.356 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

Tgt Ion: 74 Resp: 80691
 Ion Ratio Lower Upper
 74 100
 45 96.3 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.012 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0123WBSD01

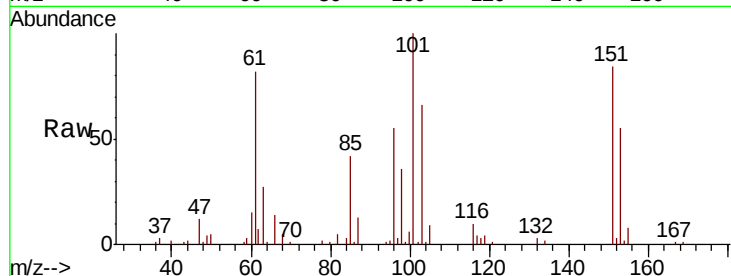
Tgt Ion:101 Resp: 127495

Ion Ratio Lower Upper

101 100

85 41.3 32.8 49.2

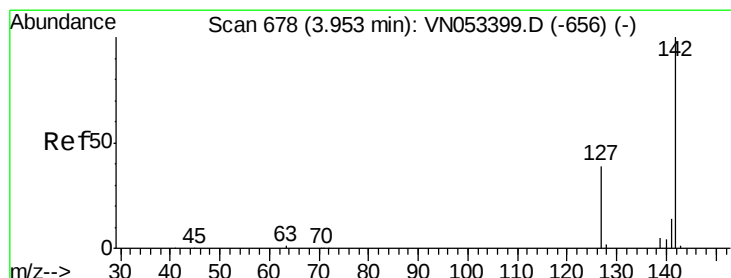
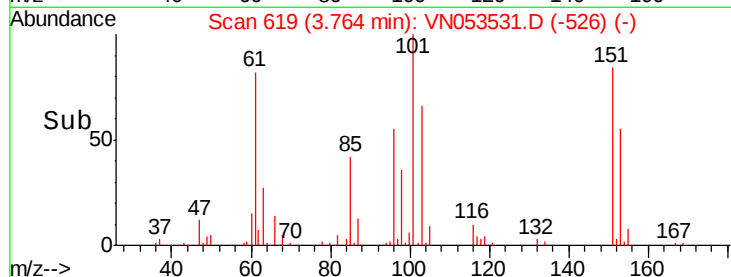
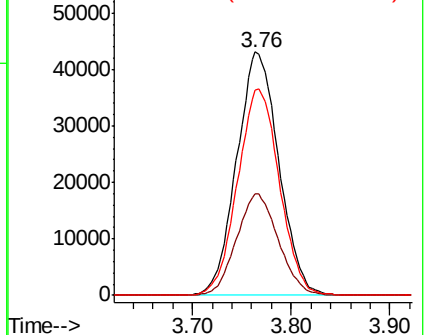
151 84.1 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.740 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

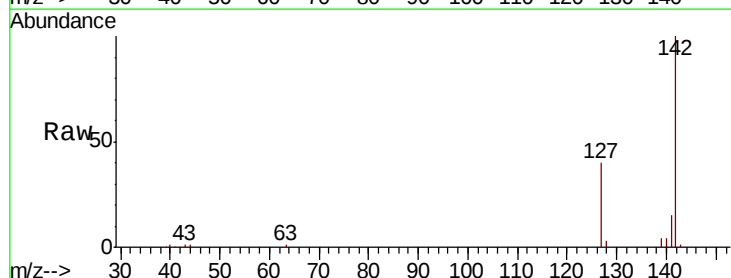
Tgt Ion:142 Resp: 192191

Ion Ratio Lower Upper

142 100

127 38.8 31.0 46.4

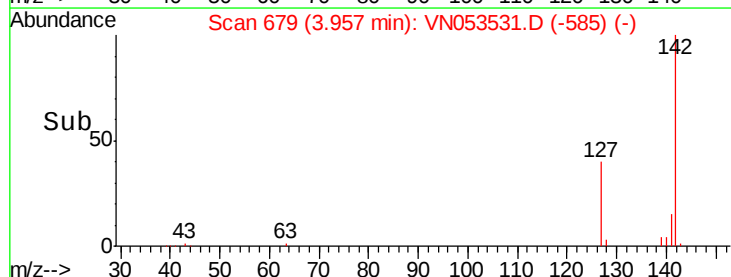
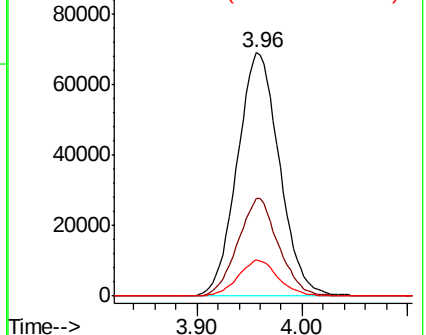
141 14.0 11.1 16.7

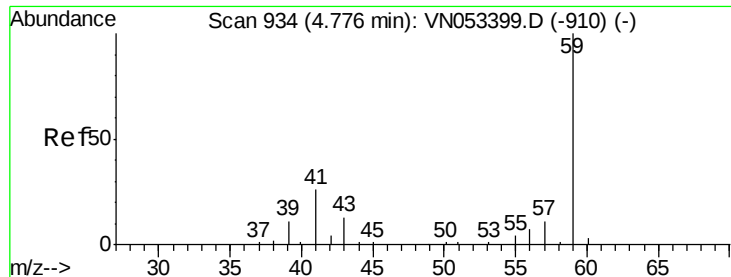


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



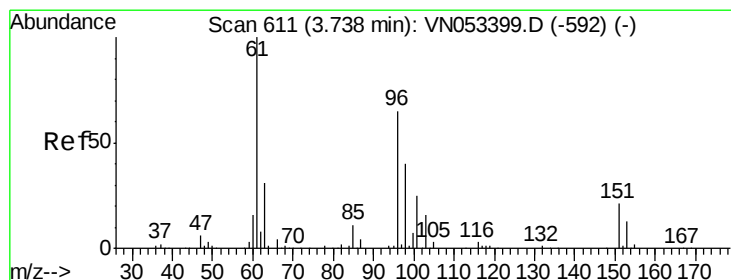
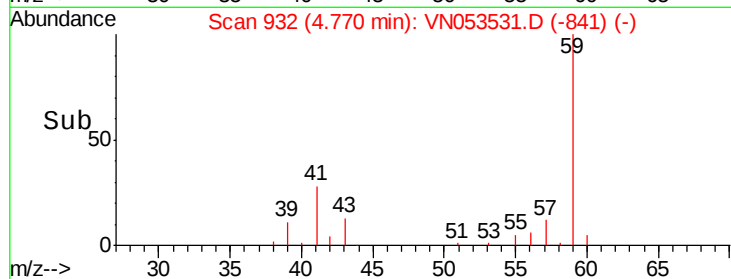
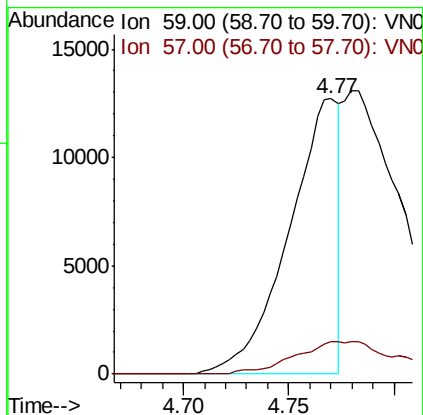
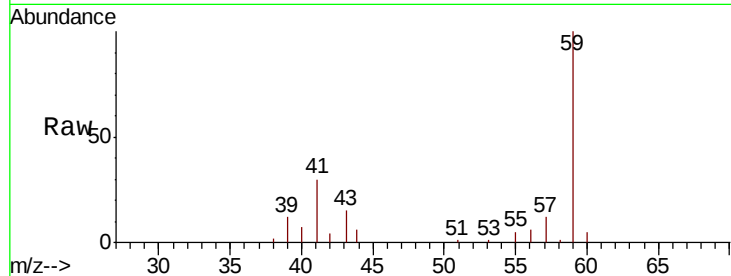


#11

Tert butyl alcohol
 Concen: 62.520 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. -0.01 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBSD01

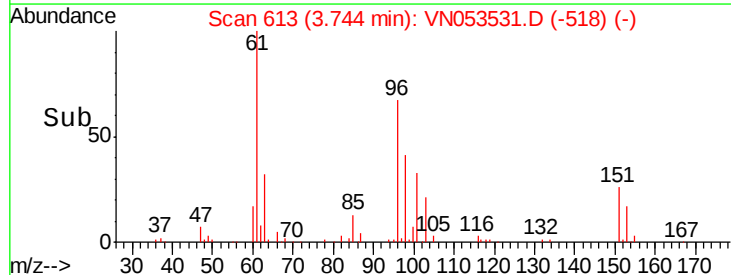
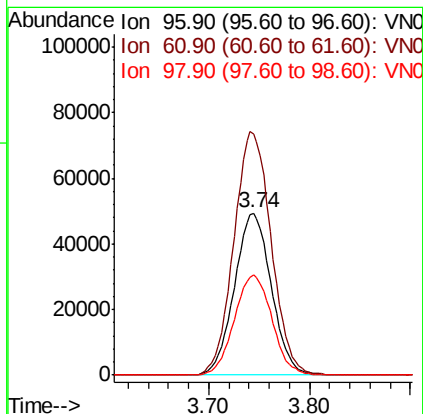
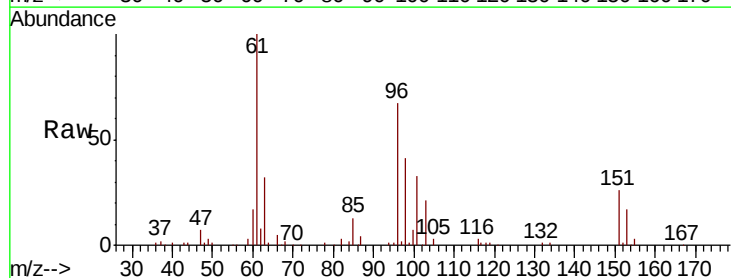
Tgt Ion: 59 Resp: 20987
 Ion Ratio Lower Upper
 59 100
 57 12.1 8.2 12.4

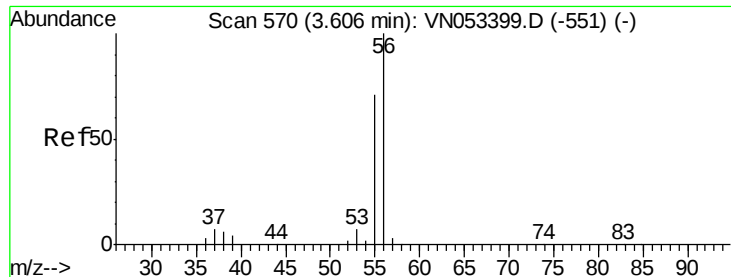


#12

1,1-Dichloroethene
 Concen: 20.314 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

Tgt Ion: 96 Resp: 125527
 Ion Ratio Lower Upper
 96 100
 61 148.8 122.9 184.3
 98 61.5 49.4 74.0

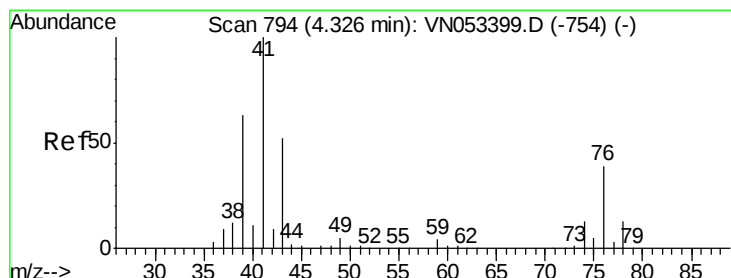
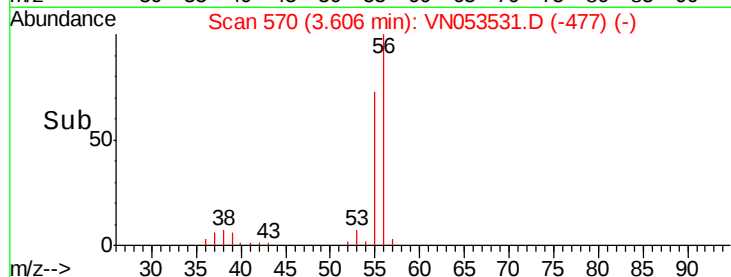
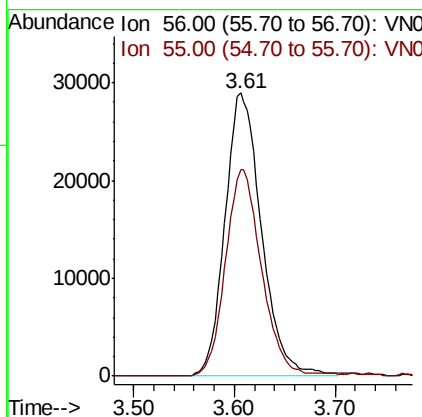
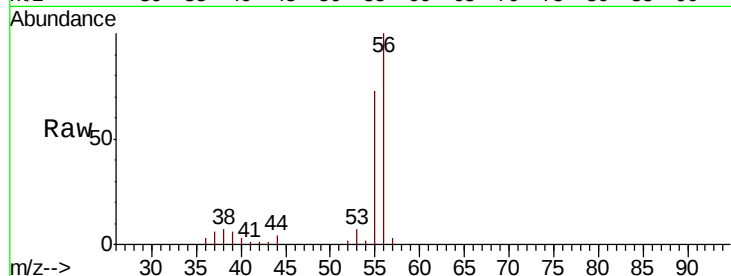




#13
Acrolein
Concen: 124.181 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

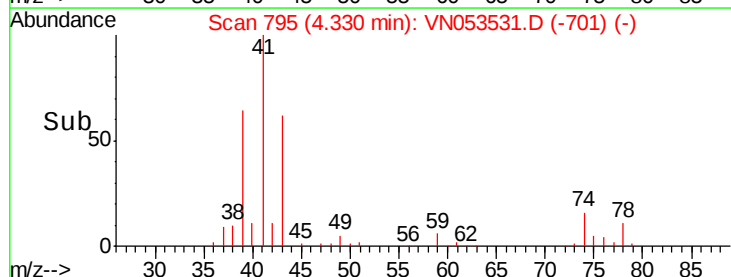
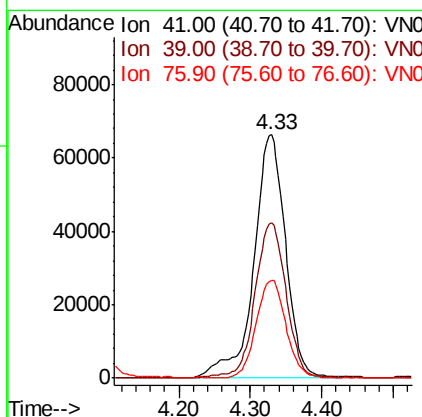
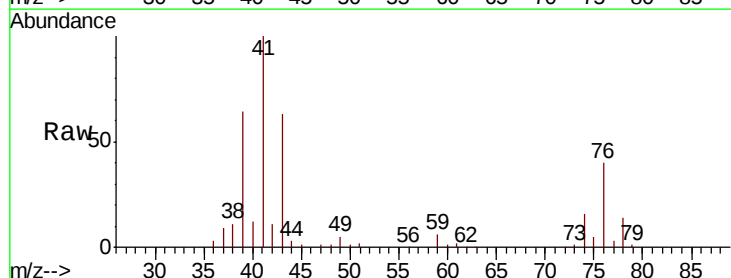
Instrument :
MSVOA_N
ClientSampleId :
VN0123WBSD01

Tgt Ion: 56 Resp: 73097
Ion Ratio Lower Upper
56 100
55 71.4 57.4 86.0



#14
Allyl chloride
Concen: 20.453 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Tgt Ion: 41 Resp: 205295
Ion Ratio Lower Upper
41 100
39 62.4 48.9 73.3
76 37.7 29.4 44.2





#15

Acrylonitrile

Concen: 114.148 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0123WBSD01

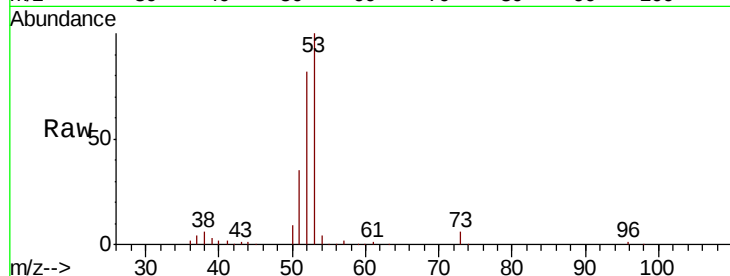
Tgt Ion: 53 Resp: 252174

Ion Ratio Lower Upper

53 100

52 82.9 66.0 99.0

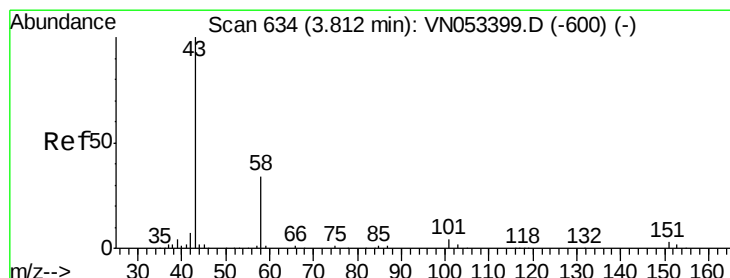
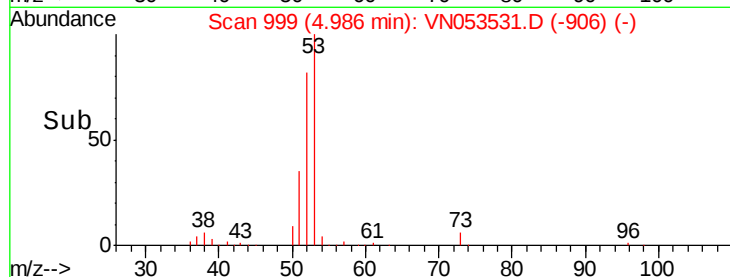
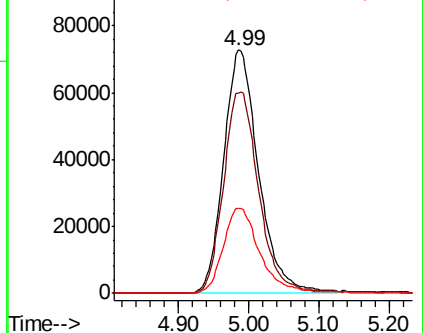
51 36.4 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 115.015 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053531.D

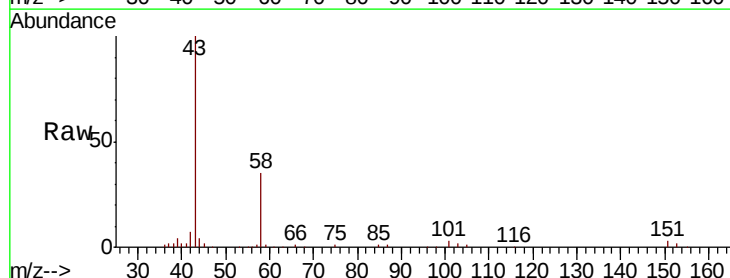
Acq: 23 Jan 2019 12:16

Tgt Ion: 43 Resp: 185122

Ion Ratio Lower Upper

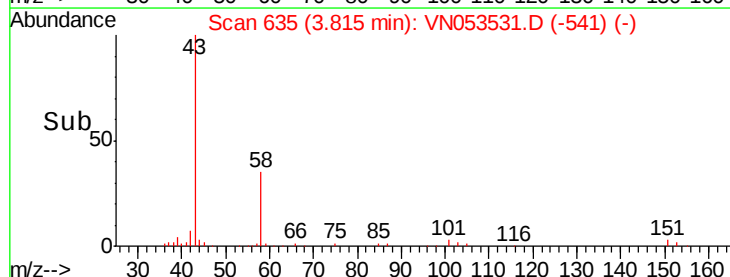
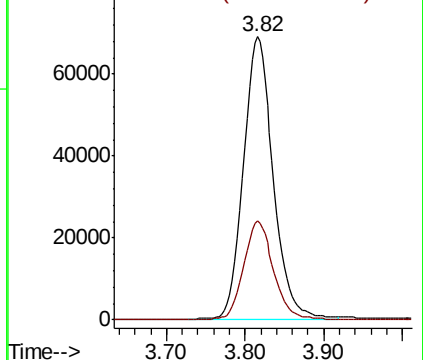
43 100

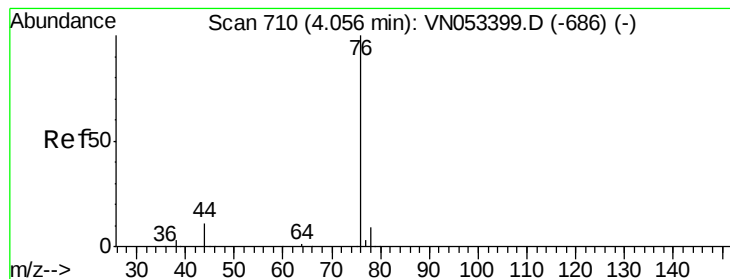
58 34.9 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 18.494 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Instrument :

MSVOA_N

ClientSampled :

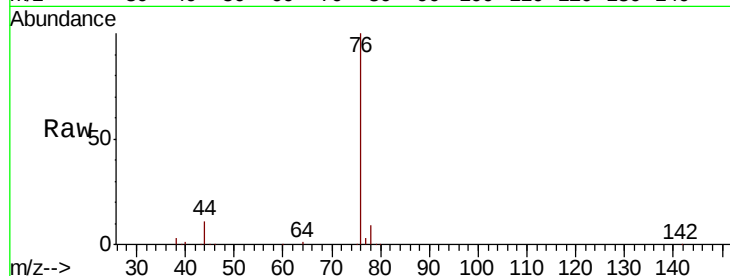
VN0123WBSD01

Tgt Ion: 76 Resp: 345604

Ion Ratio Lower Upper

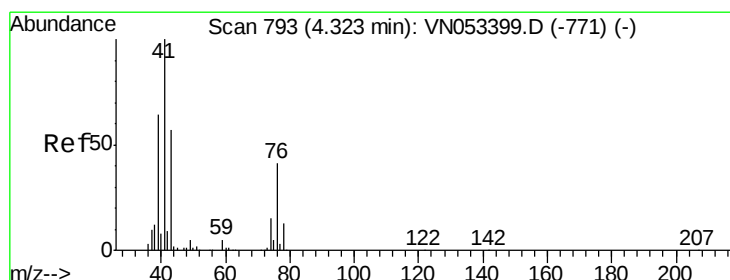
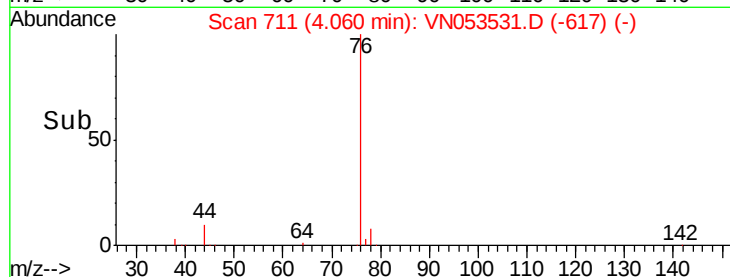
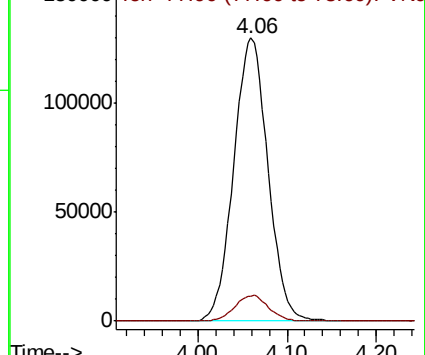
76 100

78 8.9 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 23.442 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053531.D

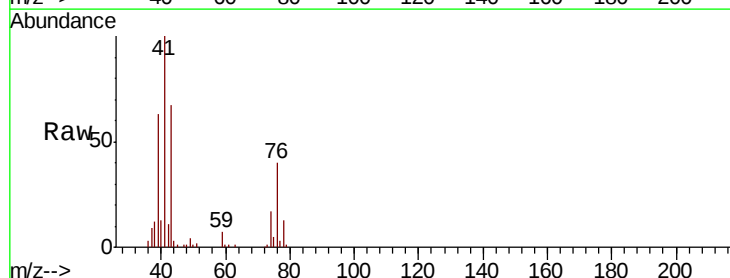
Acq: 23 Jan 2019 12:16

Tgt Ion: 43 Resp: 127121

Ion Ratio Lower Upper

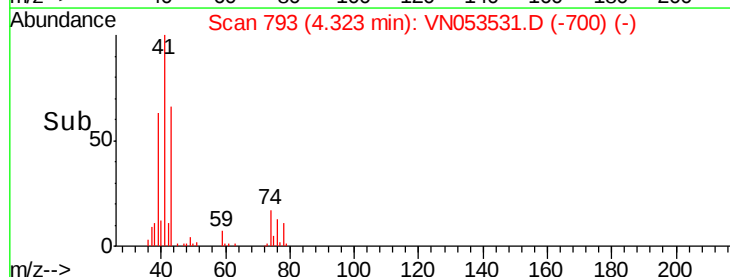
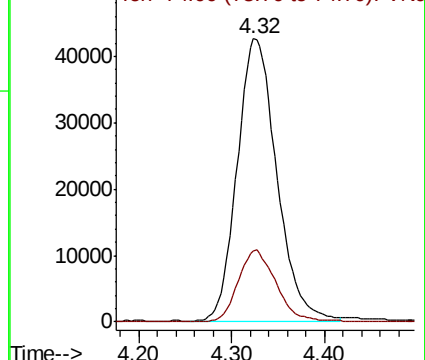
43 100

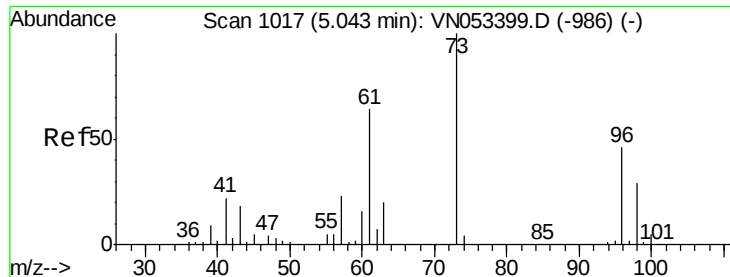
74 24.0 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#19

Methyl tert-butyl Ether

Concen: 22.013 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

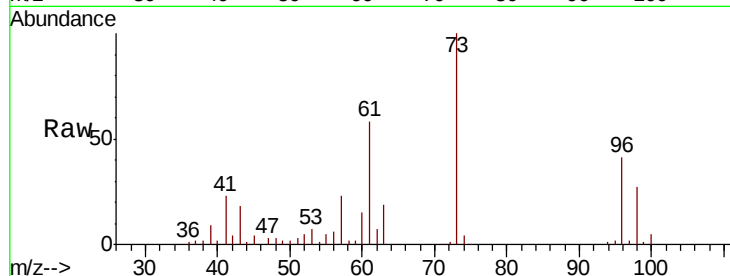
VN0123WBSD01

Tgt Ion: 73 Resp: 361442

Ion Ratio Lower Upper

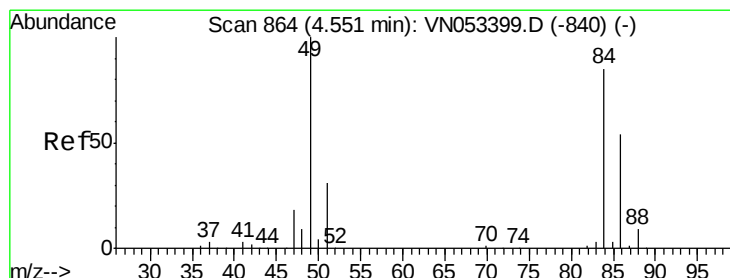
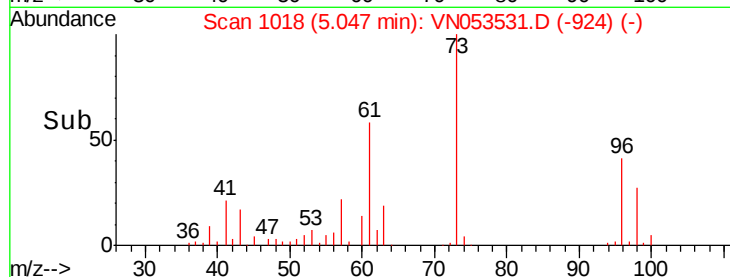
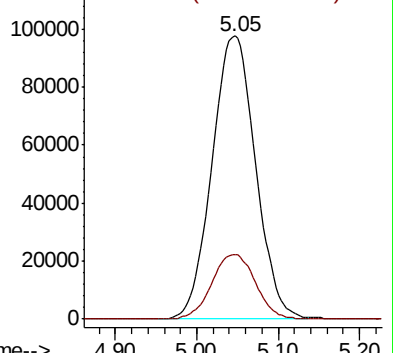
73 100

57 22.7 18.3 27.5



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#20

Methylene Chloride

Concen: 20.251 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Tgt Ion: 84 Resp: 148814

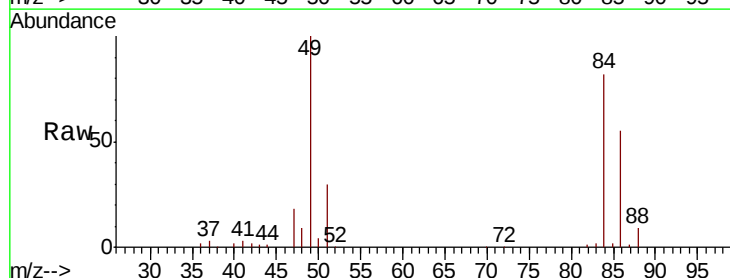
Ion Ratio Lower Upper

84 100

49 121.4 94.3 141.5

51 36.4 29.4 44.2

86 67.3 51.4 77.0

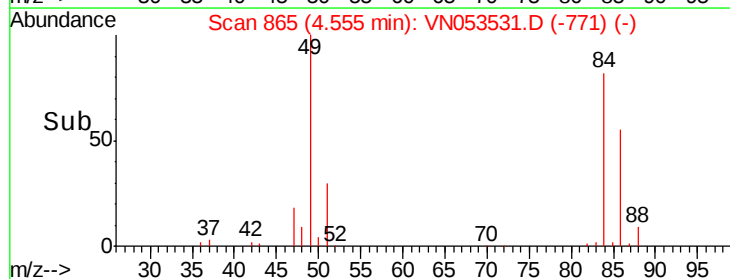
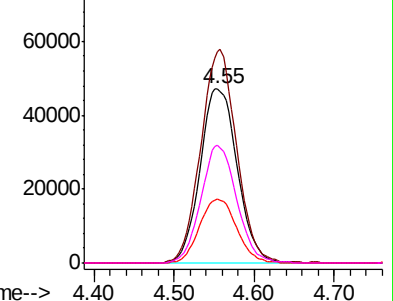


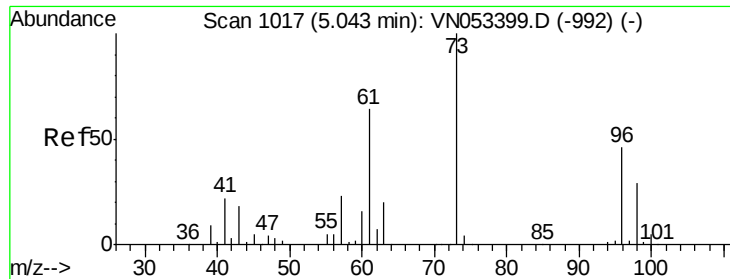
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0





#21

trans-1,2-Dichloroethene

Concen: 20.051 ug/l

RT: 5.05 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0123WBSD01

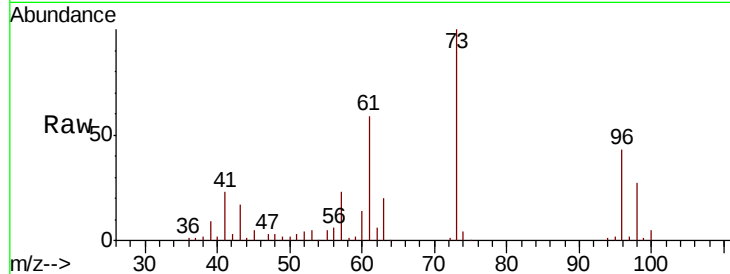
Tgt Ion: 96 Resp: 132468

Ion Ratio Lower Upper

96 100

61 137.5 110.1 165.1

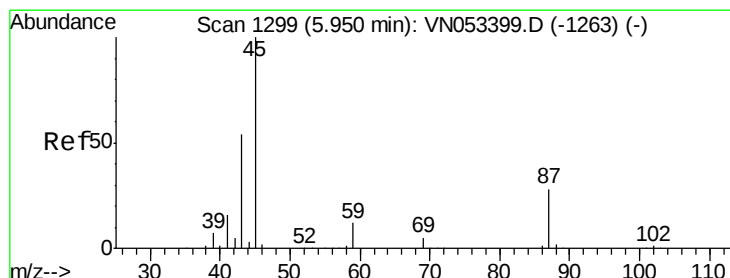
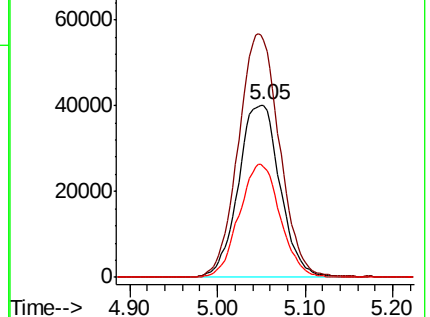
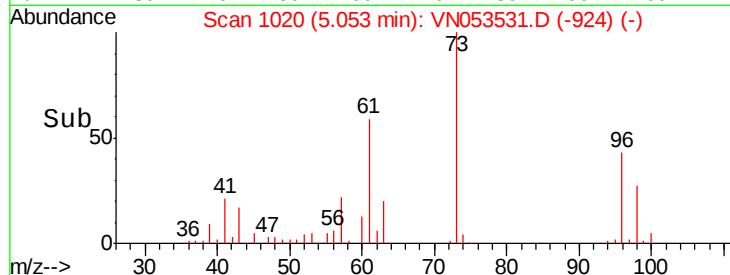
98 64.1 50.0 75.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 21.447 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Tgt Ion: 45 Resp: 449408

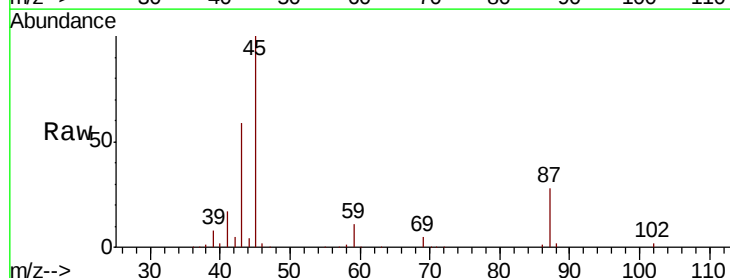
Ion Ratio Lower Upper

45 100

43 57.6 44.2 66.4

87 28.1 22.7 34.1

59 11.0 9.4 14.2

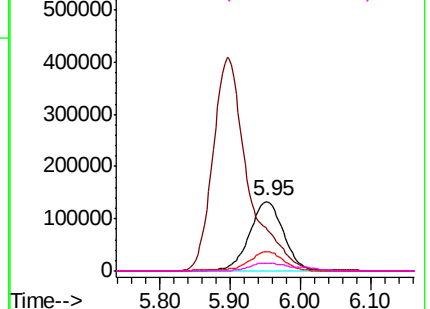
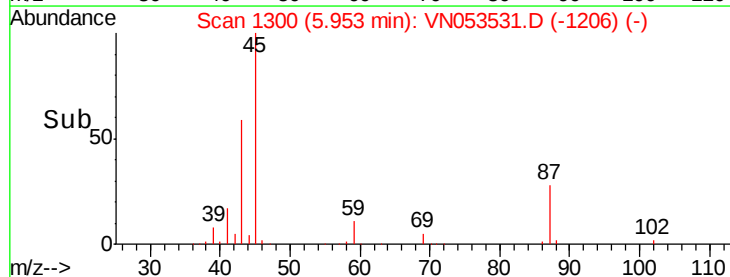


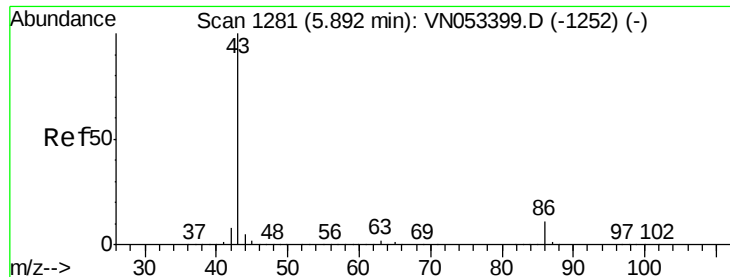
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

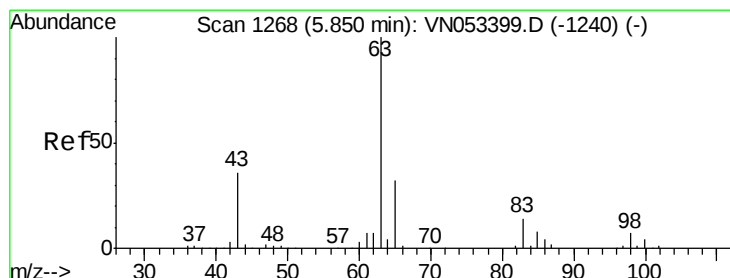
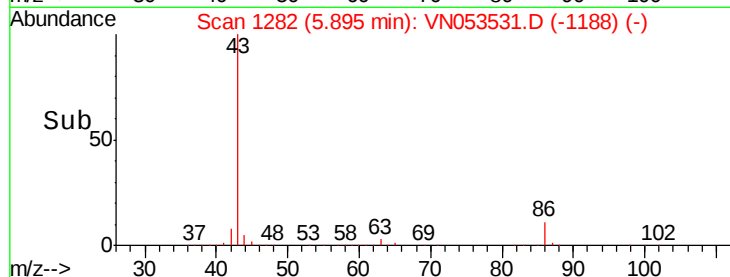
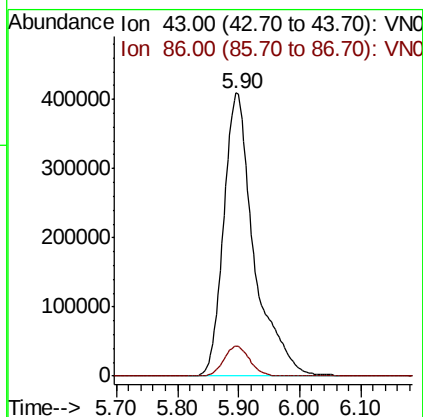
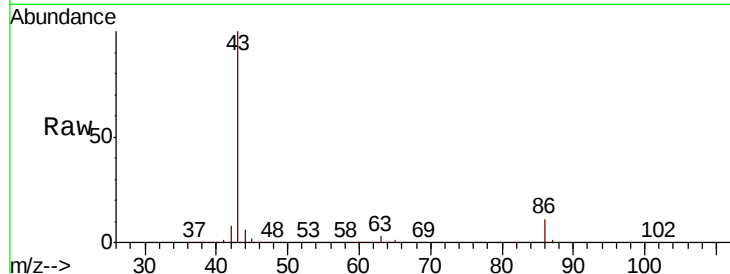




#23
 Vinyl Acetate
 Concen: 110.204 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

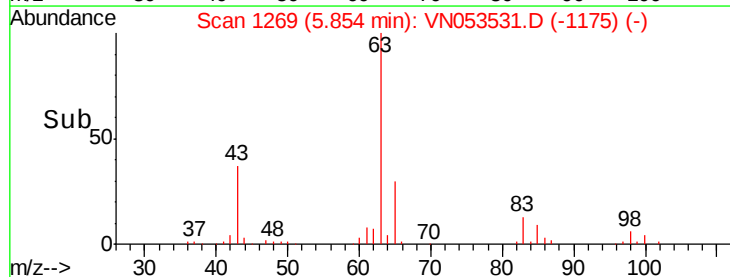
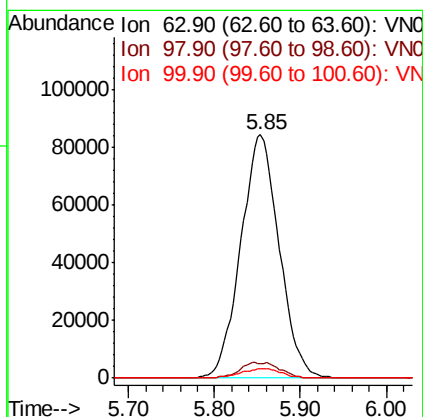
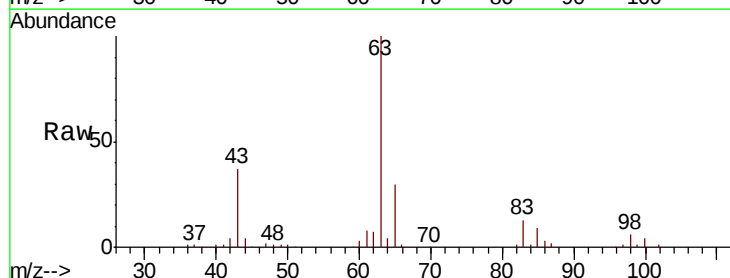
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBSD01

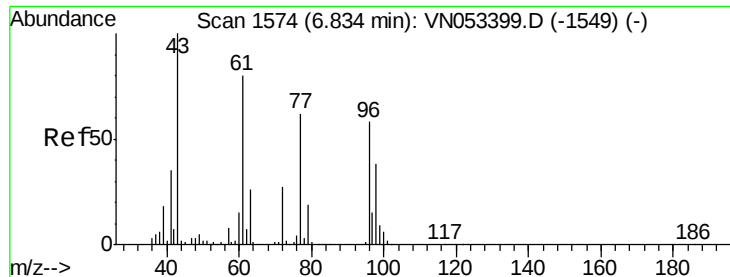
Tgt Ion: 43 Resp: 1419510
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 21.147 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

Tgt Ion: 63 Resp: 261959
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.3 9.9
 100 3.9 2.1 6.5





#25

2-Butanone

Concen: 115.905 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

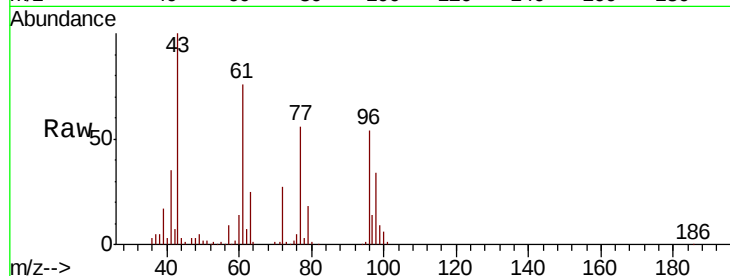
VN0123WBSD01

Tgt Ion: 43 Resp: 287481

Ion Ratio Lower Upper

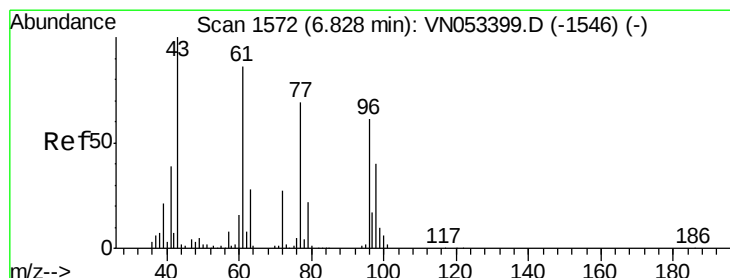
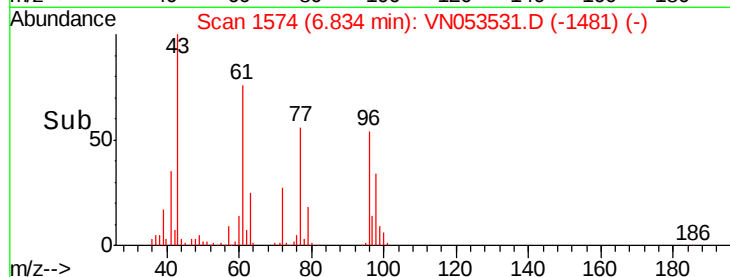
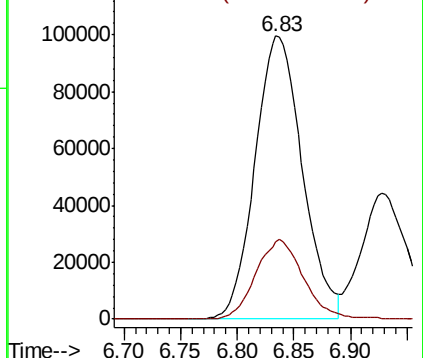
43 100

72 27.4 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 20.269 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053531.D

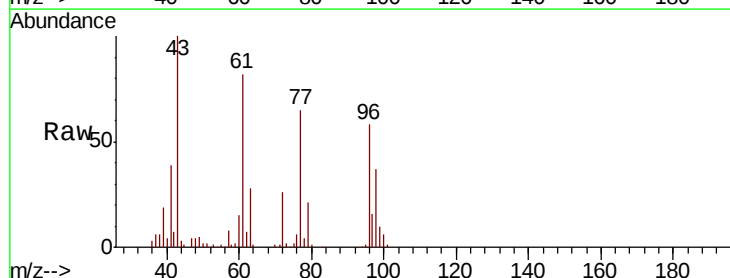
Acq: 23 Jan 2019 12:16

Tgt Ion: 77 Resp: 189572

Ion Ratio Lower Upper

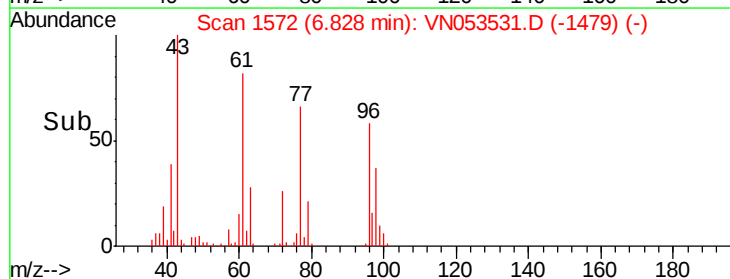
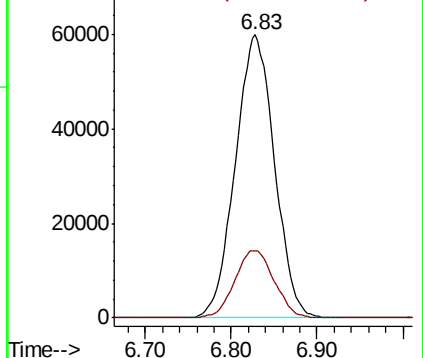
77 100

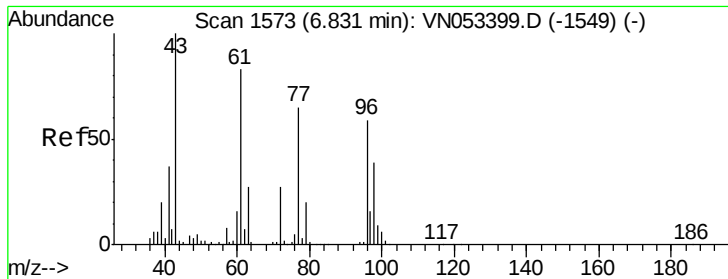
97 24.0 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 20.998 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0123WBSD01

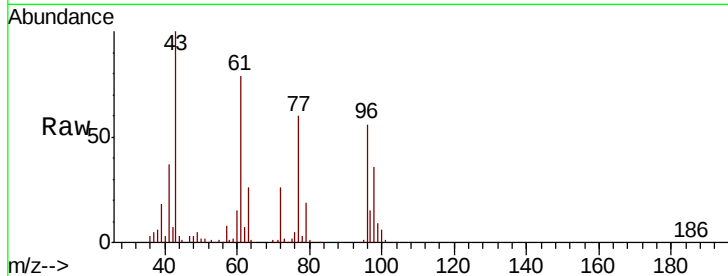
Tgt Ion: 96 Resp: 158635

Ion Ratio Lower Upper

96 100

61 141.2 0.0 283.8

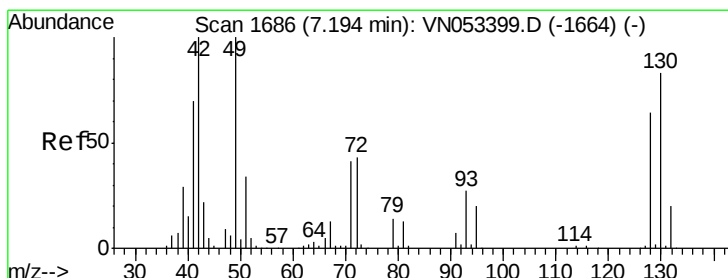
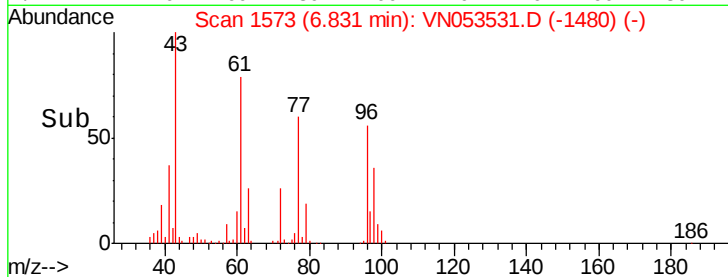
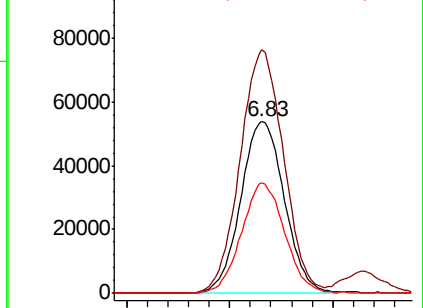
98 63.4 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.403 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

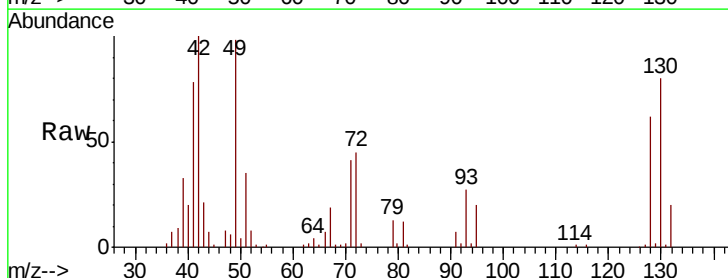
Tgt Ion: 49 Resp: 111339

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

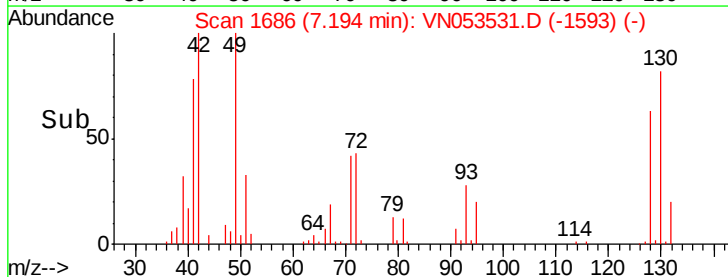
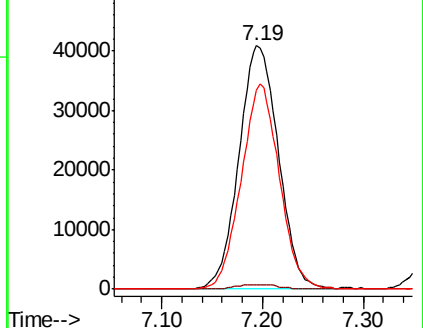
130 80.8 66.3 99.5

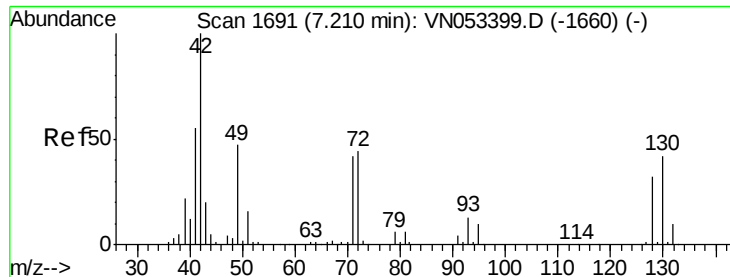


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 117.719 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0123WBSD01

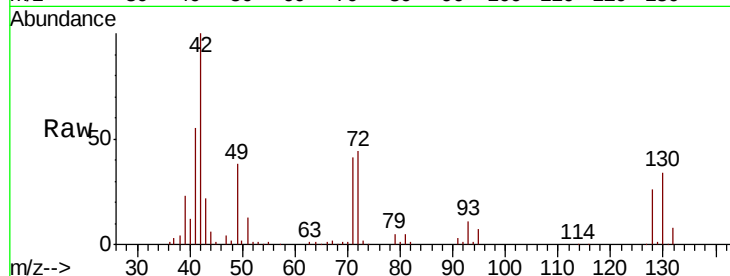
Tgt Ion: 42 Resp: 190081

Ion Ratio Lower Upper

42 100

72 43.9 35.2 52.8

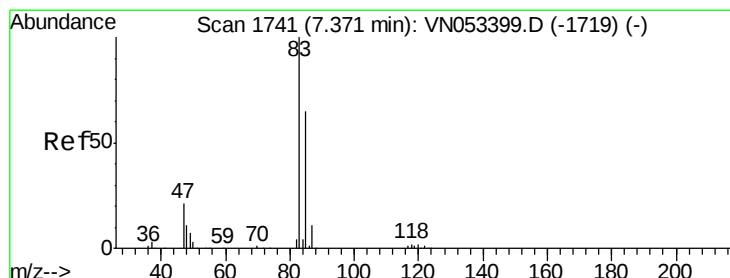
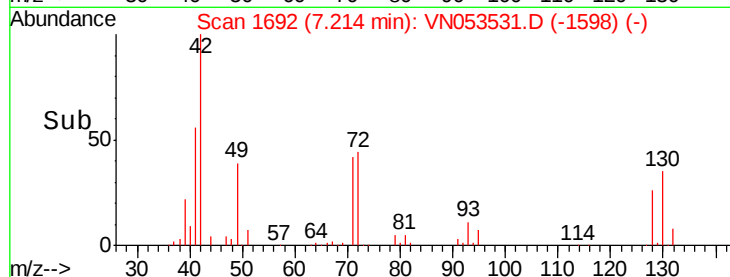
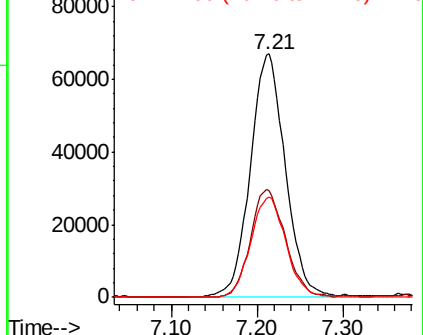
71 41.5 33.0 49.4



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 21.336 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN053531.D

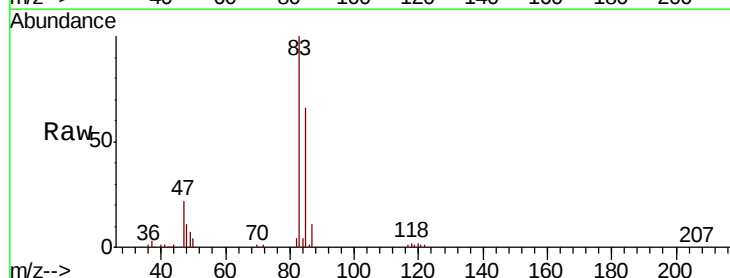
Acq: 23 Jan 2019 12:16

Tgt Ion: 83 Resp: 257506

Ion Ratio Lower Upper

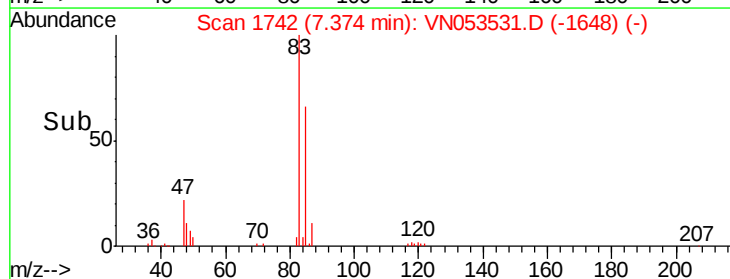
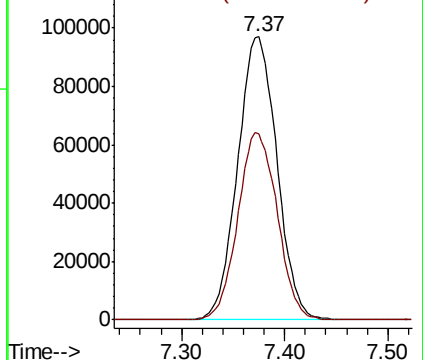
83 100

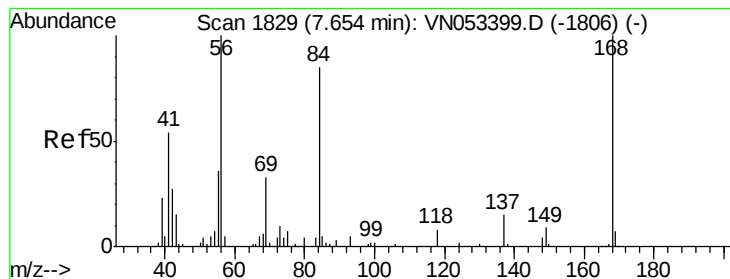
85 65.6 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.143 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Instrument :

MSVOA_N

ClientSampled :

VN0123WBSD01

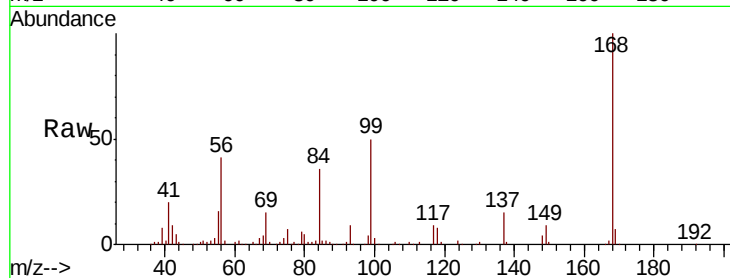
Tgt Ion: 56 Resp: 232433

Ion Ratio Lower Upper

56 100

69 35.8 26.4 39.6

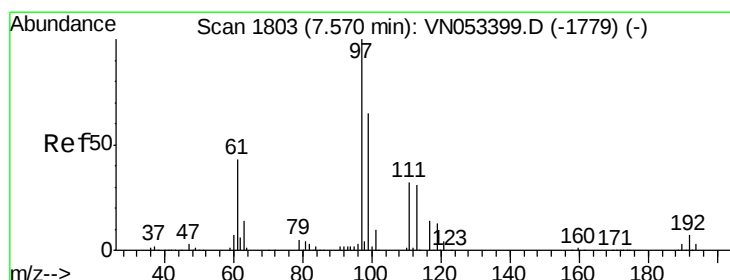
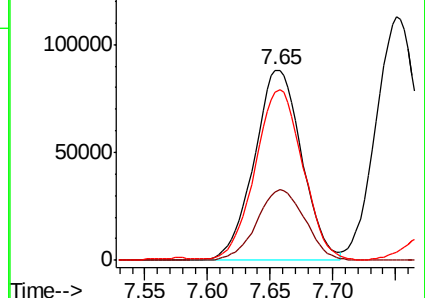
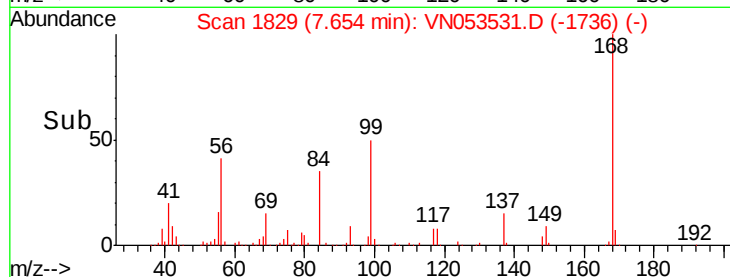
84 87.1 67.9 101.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.766 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

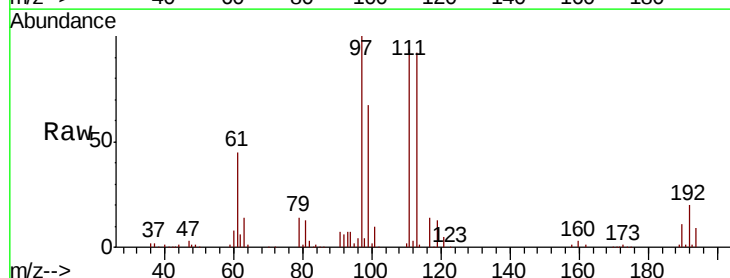
Tgt Ion: 97 Resp: 212599

Ion Ratio Lower Upper

97 100

99 64.4 52.0 78.0

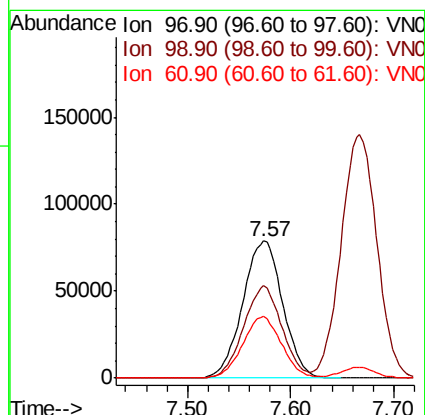
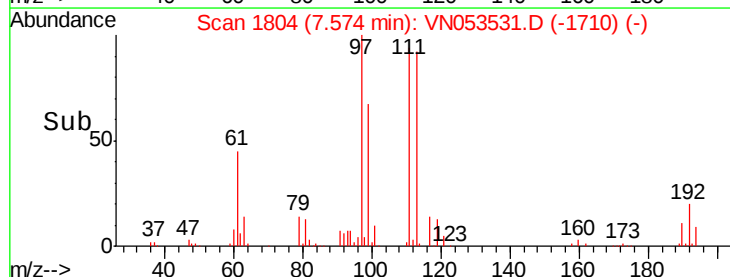
61 43.8 34.4 51.6

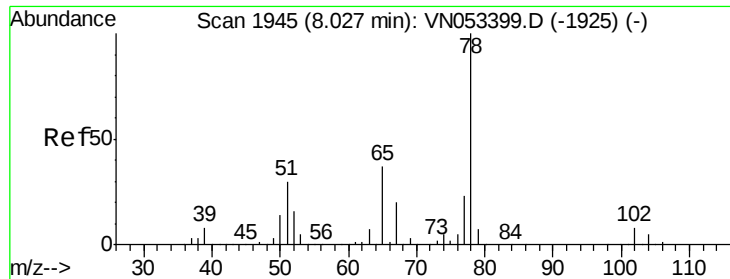


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

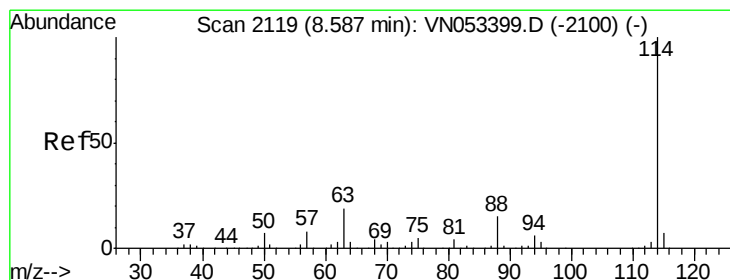
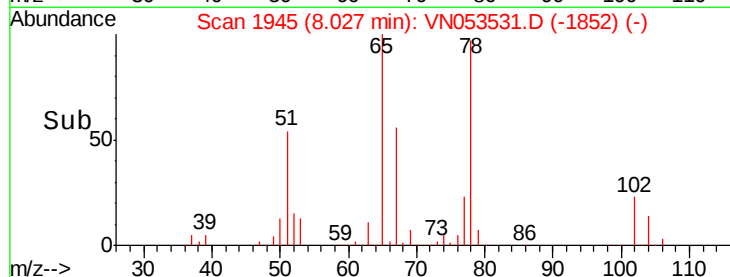
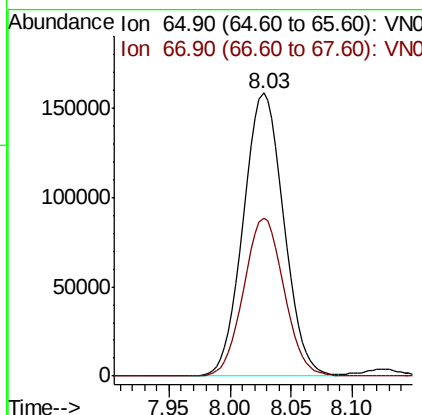
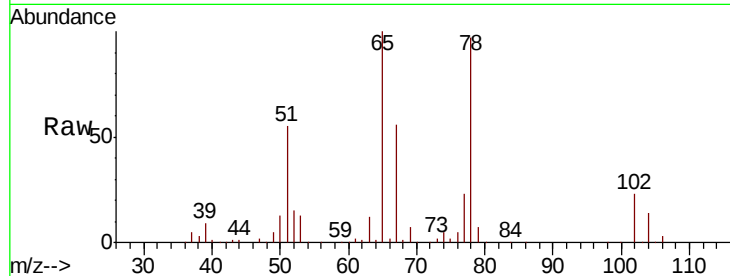




#33
 1,2-Dichloroethane-d4
 Concen: 20.766 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

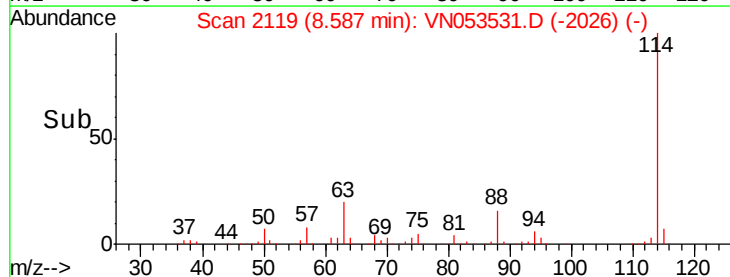
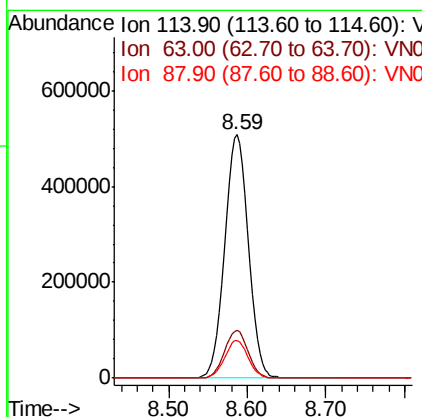
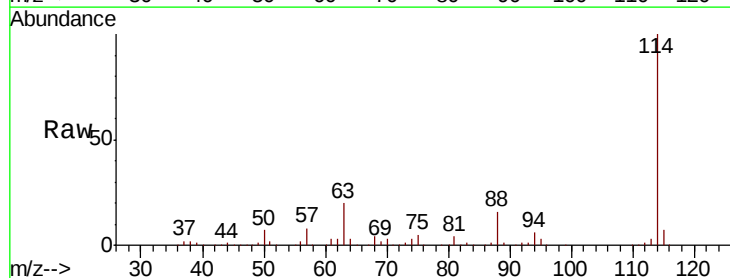
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBSD01

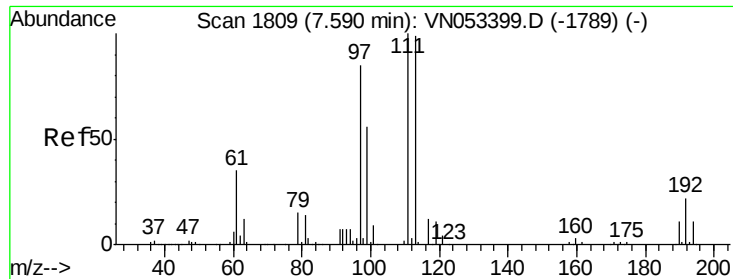
Tgt Ion: 65 Resp: 364013
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

Tgt Ion: 114 Resp: 1049174
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.6
 88 15.6 0.0 30.4

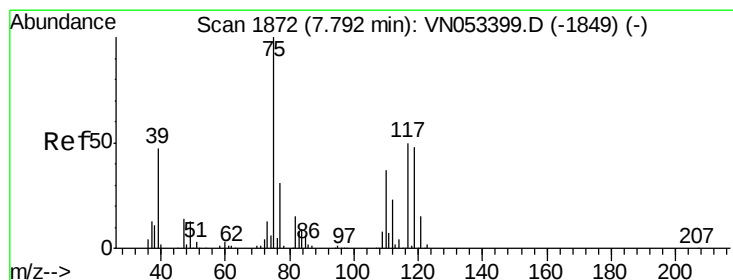
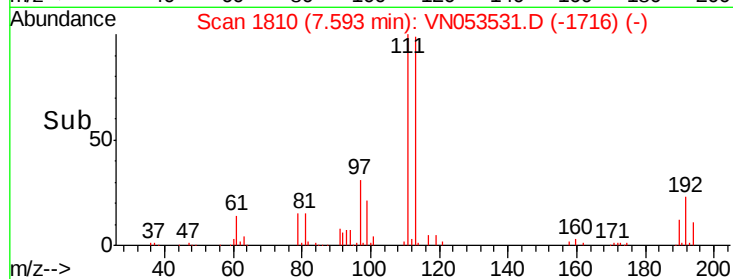
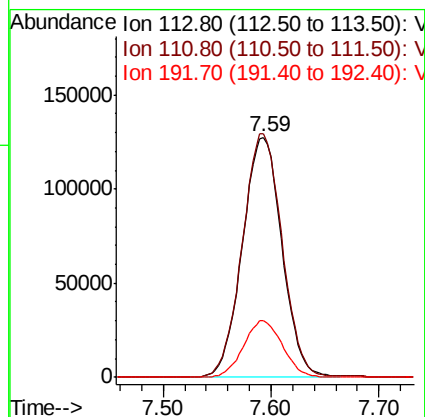
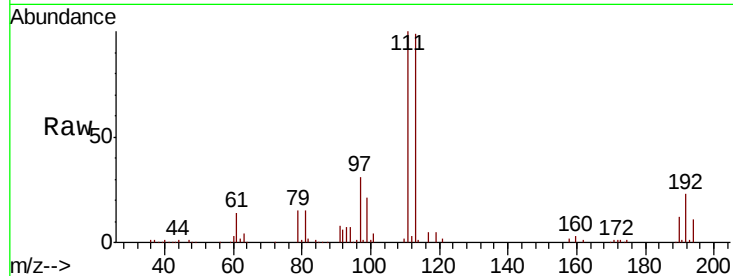




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

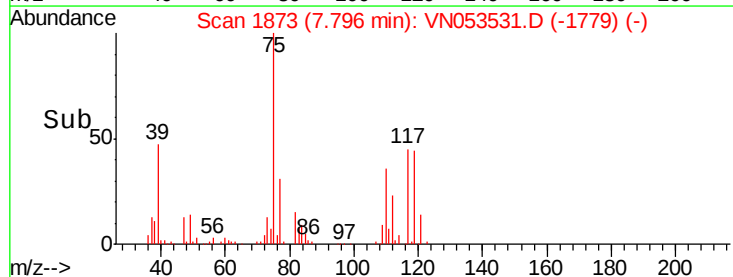
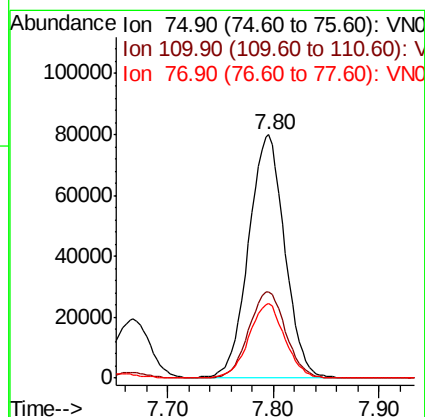
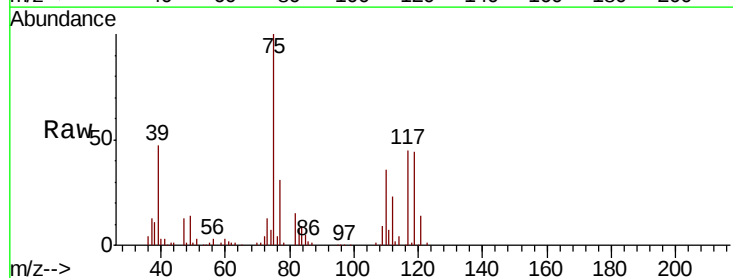
Instrument :
 MSVOA_N
 ClientSampled :
 VN0123WBSD01

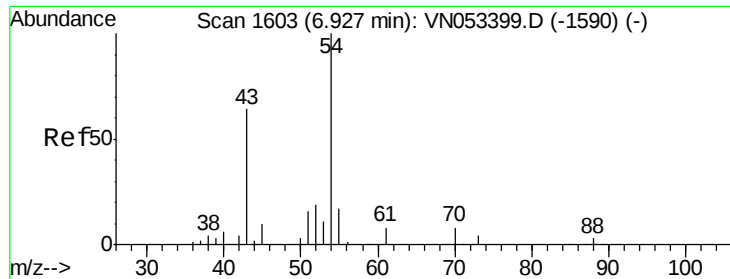
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.1	121.7
192	23.3	18.2	27.2



#36
 1,1-Dichloropropene
 Concen: 19.852 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	18.1	54.3
77	30.8	25.1	37.7

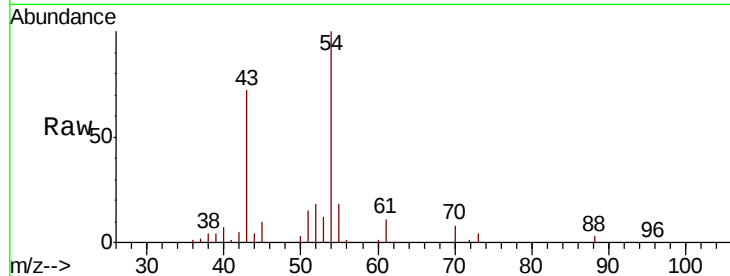




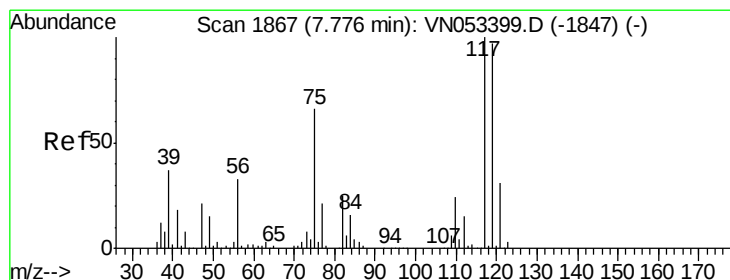
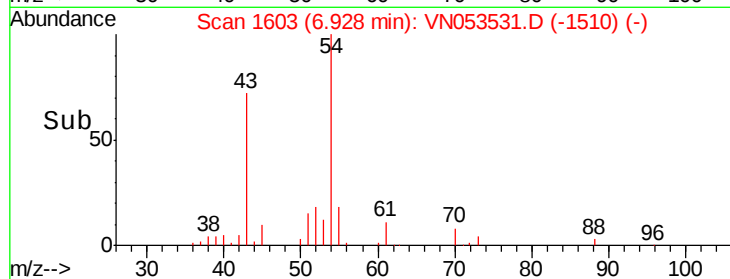
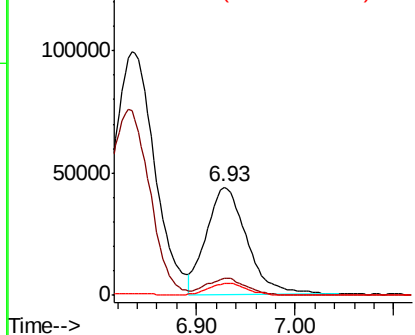
#37
Ethyl Acetate
Concen: 22.802 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBSD01

Tgt Ion: 43 Resp: 125350
Ion Ratio Lower Upper
43 100
61 14.6 11.8 17.6
70 10.7 8.6 12.8

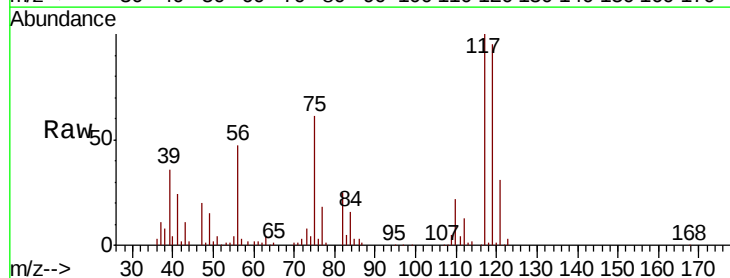


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

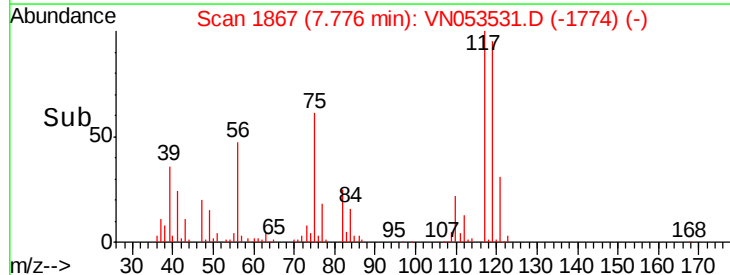
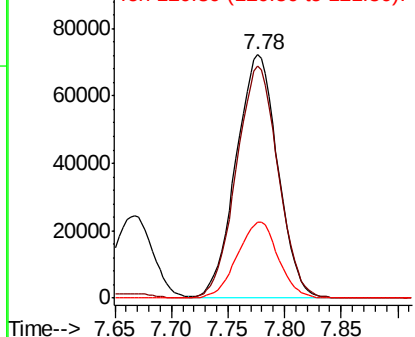


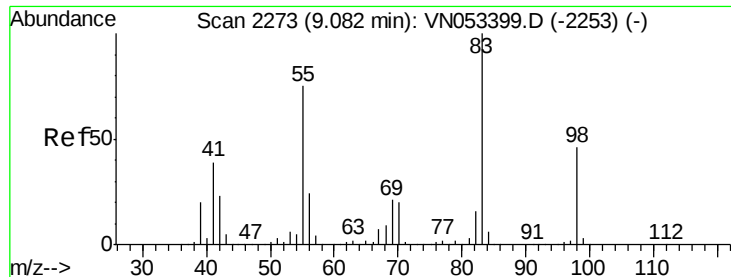
#38
Carbon Tetrachloride
Concen: 20.377 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Tgt Ion: 117 Resp: 184328
Ion Ratio Lower Upper
117 100
119 95.6 77.2 115.8
121 31.1 24.6 37.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

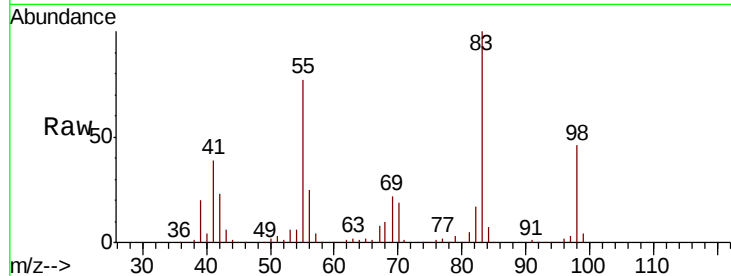




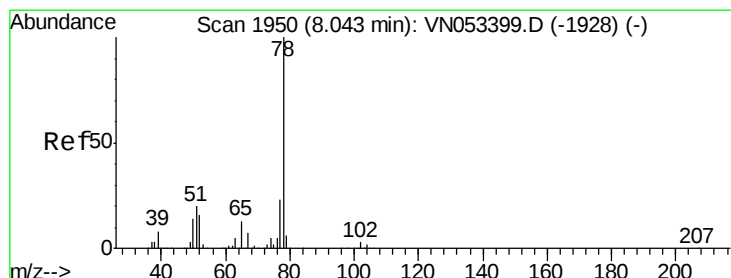
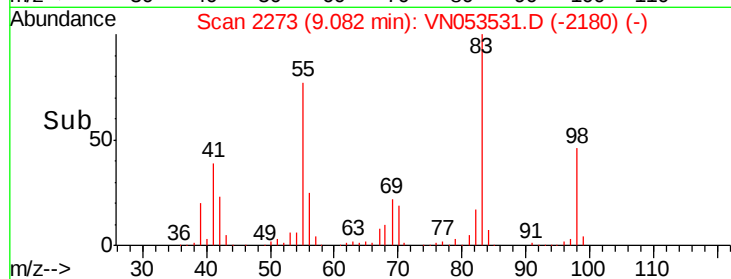
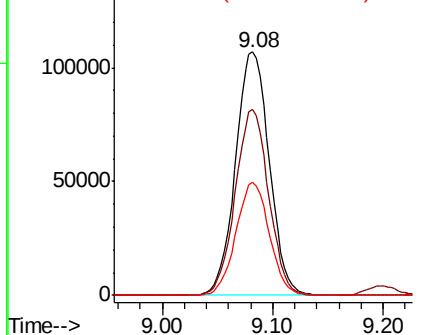
#39
Methylcyclohexane
Concen: 19.170 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBSD01

Tgt Ion: 83 Resp: 226397
Ion Ratio Lower Upper
83 100
55 76.6 60.1 90.1
98 46.3 36.6 55.0

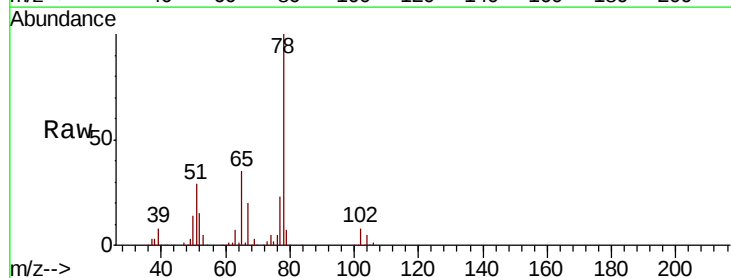


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

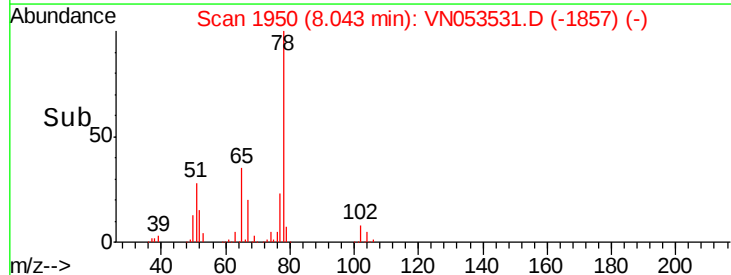
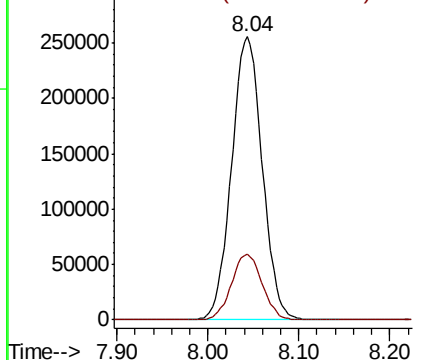


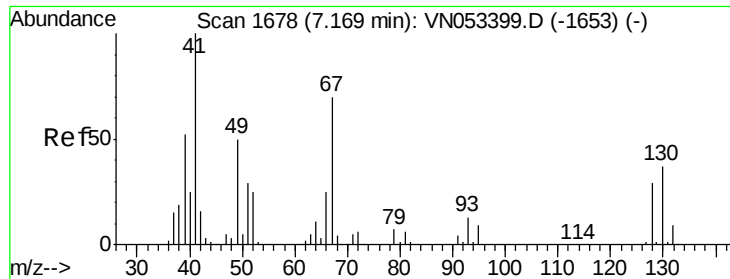
#40
Benzene
Concen: 20.603 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Tgt Ion: 78 Resp: 598228
Ion Ratio Lower Upper
78 100
77 23.1 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

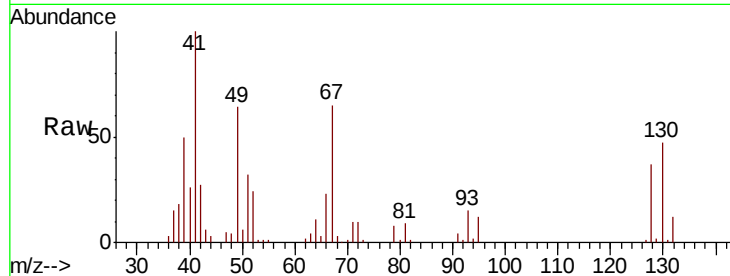




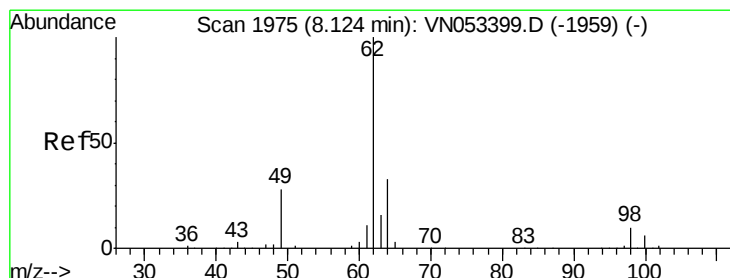
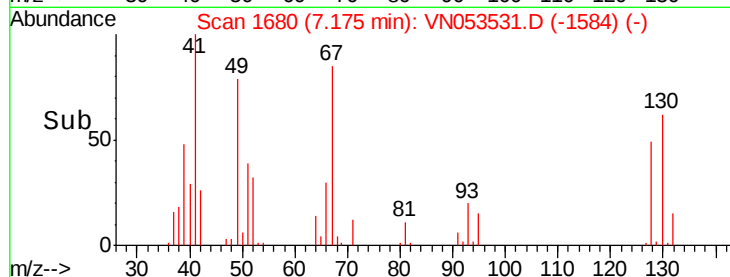
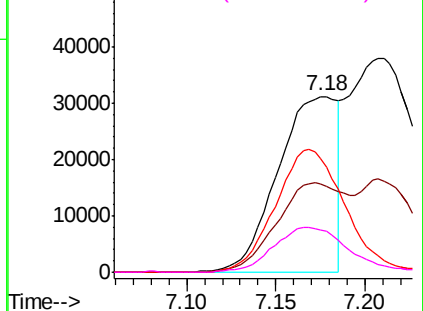
#41
Methacrylonitrile
Concen: 22.488 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBSD01

Tgt Ion:	41	Resp:	72242
Ion	Ratio	Lower	Upper
41	100		
39	61.6	46.8	70.2
67	81.9	63.0	94.6
52	32.6	23.8	35.8

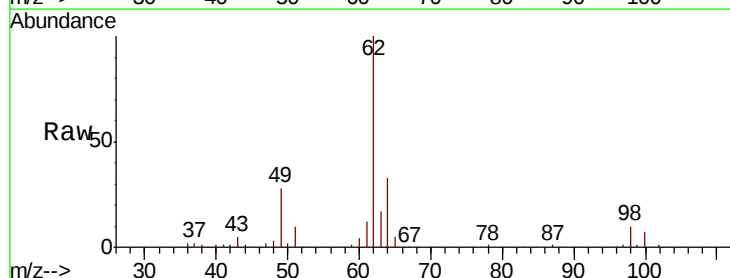


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

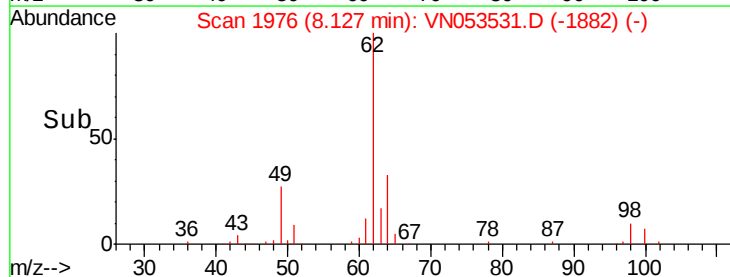
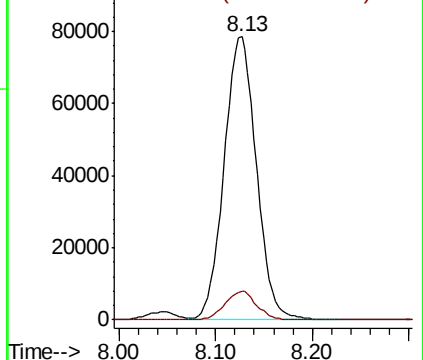


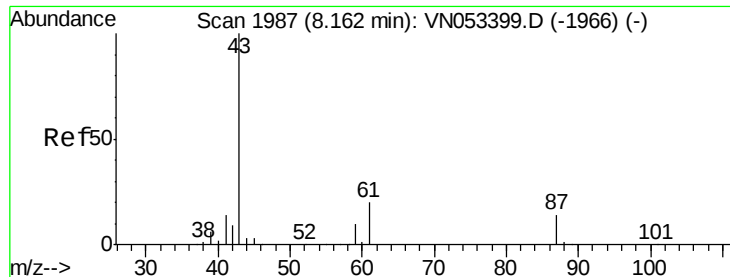
#42
1,2-Dichloroethane
Concen: 21.514 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Tgt Ion:	62	Resp:	181988
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.6



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 22.891 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0123WBSD01

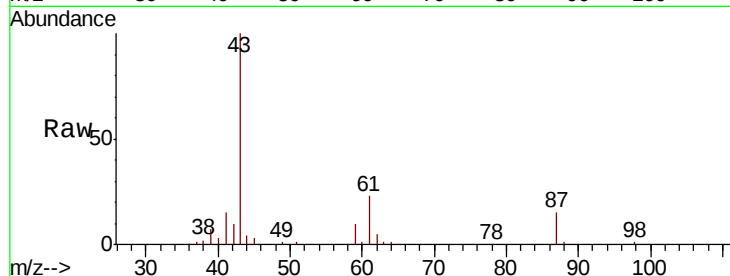
Tgt Ion: 43 Resp: 226270

Ion Ratio Lower Upper

43 100

61 29.0 23.9 35.9

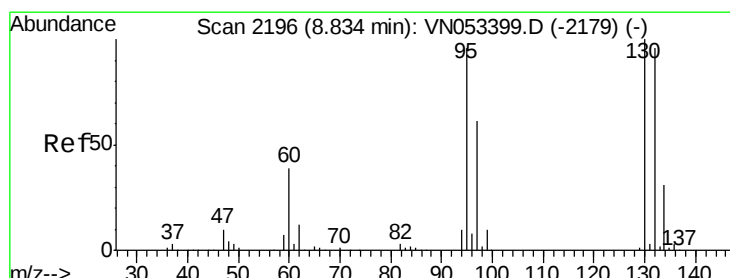
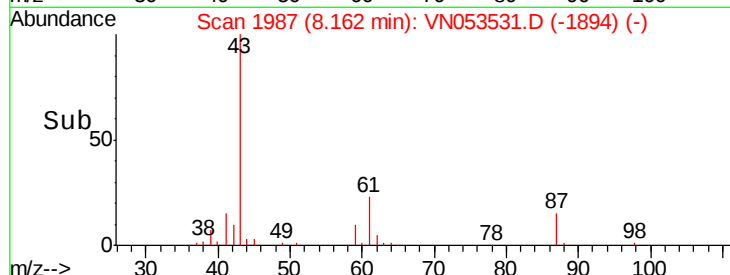
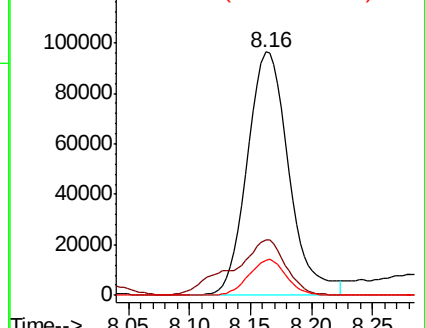
87 13.3 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN053531.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN053531.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN053531.D (-1966) (-)



#44

Trichloroethene

Concen: 20.512 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053531.D

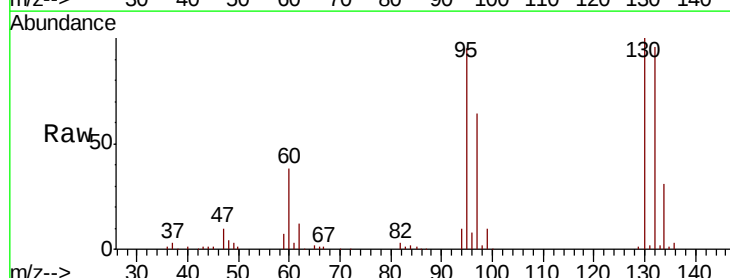
Acq: 23 Jan 2019 12:16

Tgt Ion: 130 Resp: 165165

Ion Ratio Lower Upper

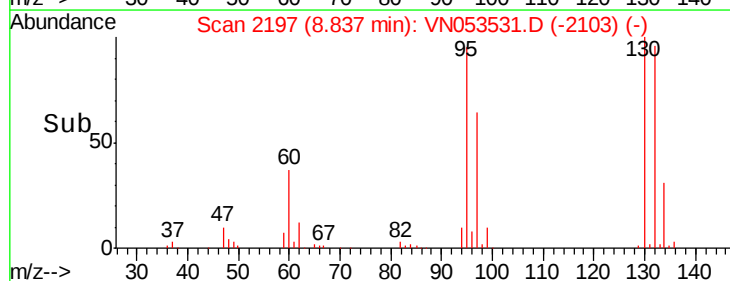
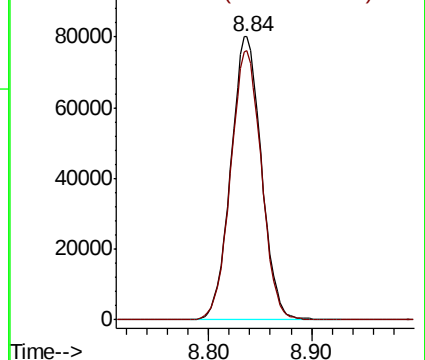
130 100

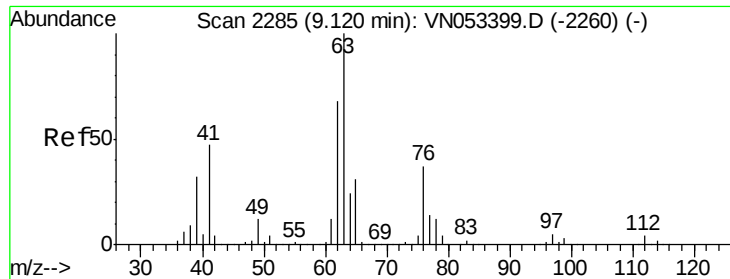
95 95.3 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053531.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN053531.D (-2103) (-)

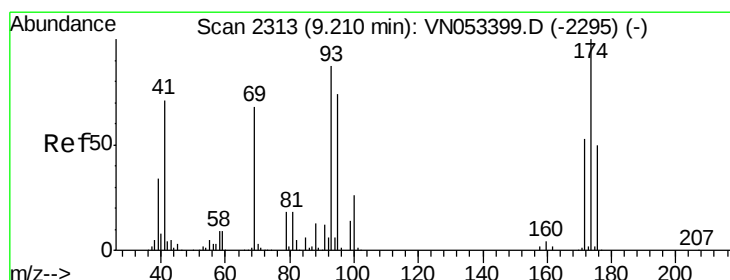
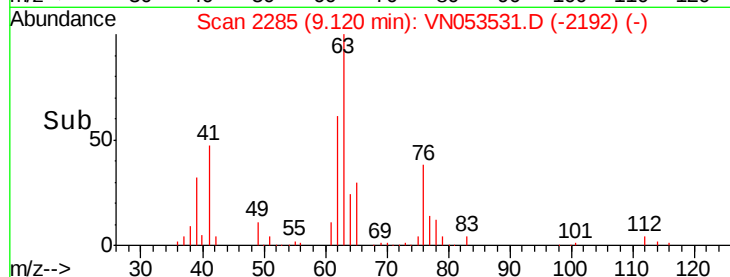
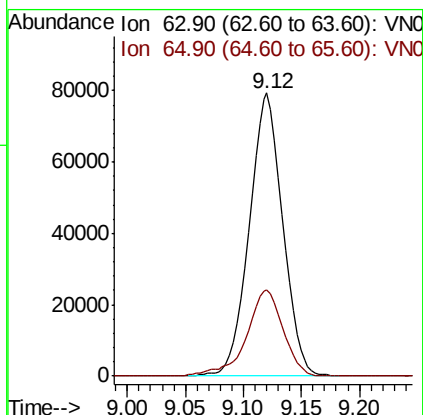
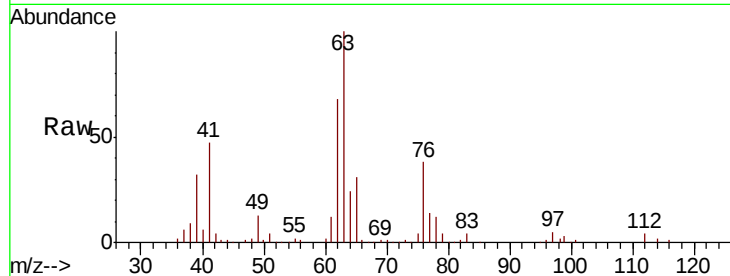




#45
 1,2-Dichloropropane
 Concen: 20.753 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

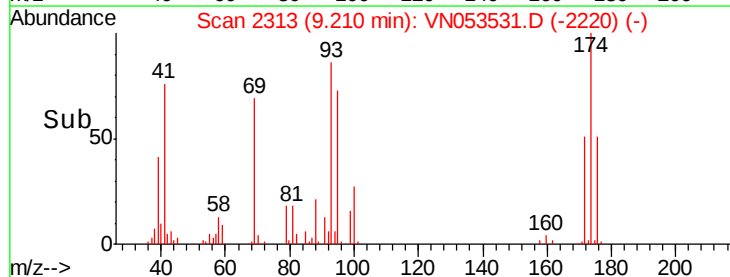
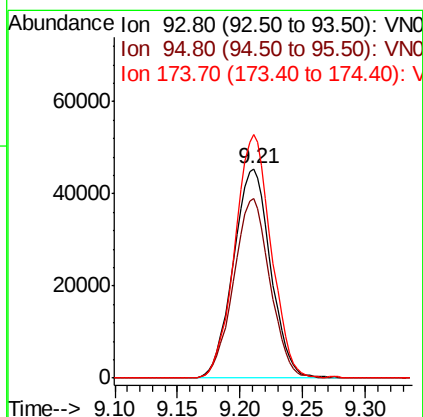
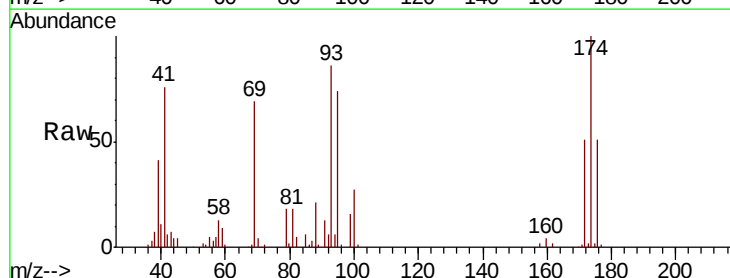
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBSD01

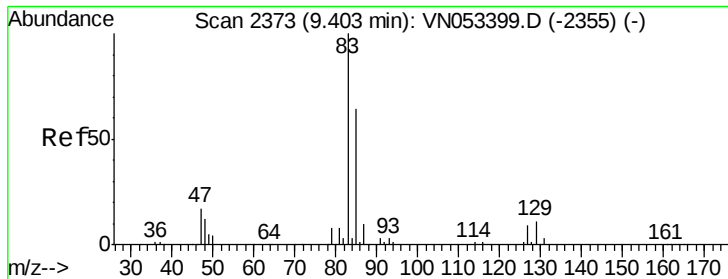
Tgt Ion: 63 Resp: 159608
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.0 37.4



#46
 Dibromomethane
 Concen: 21.248 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

Tgt Ion: 93 Resp: 93888
 Ion Ratio Lower Upper
 93 100
 95 83.6 67.3 100.9
 174 113.1 91.0 136.4





#47

Bromodichloromethane

Concen: 21.065 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0123WBSD01

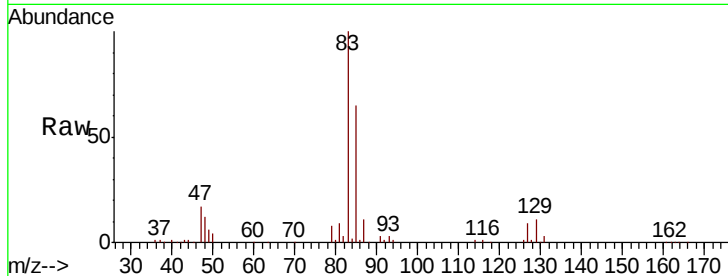
Tgt Ion: 83 Resp: 195740

Ion Ratio Lower Upper

83 100

85 65.1 51.0 76.6

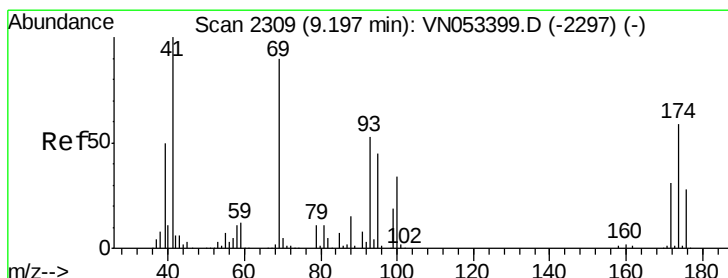
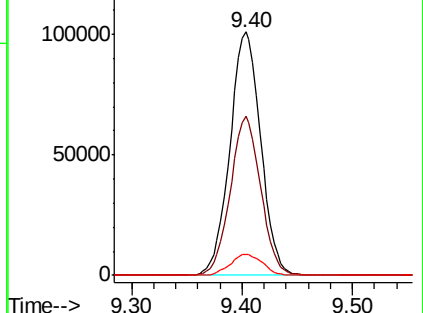
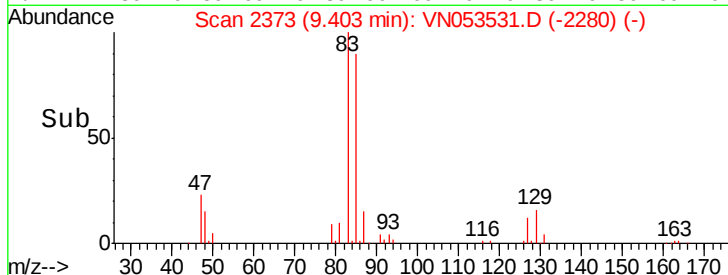
127 8.8 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 21.578 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

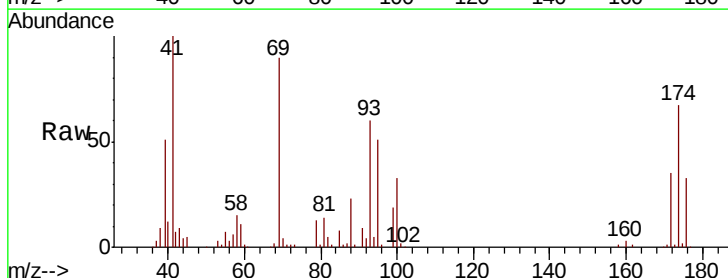
Tgt Ion: 41 Resp: 110128

Ion Ratio Lower Upper

41 100

69 93.5 73.8 110.6

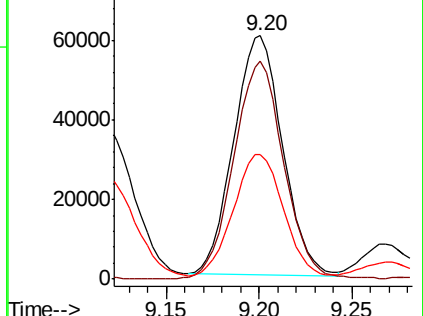
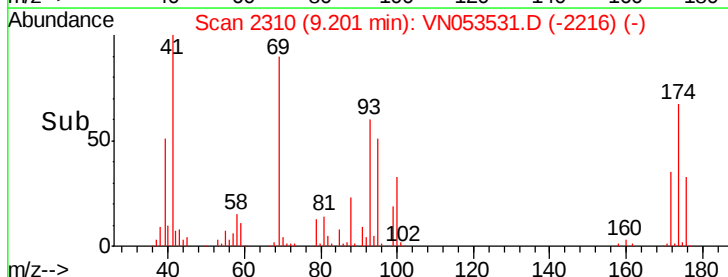
39 53.6 40.0 60.0

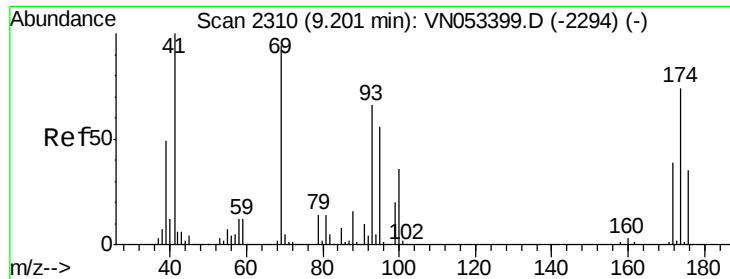


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 604.646 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0123WBSD01

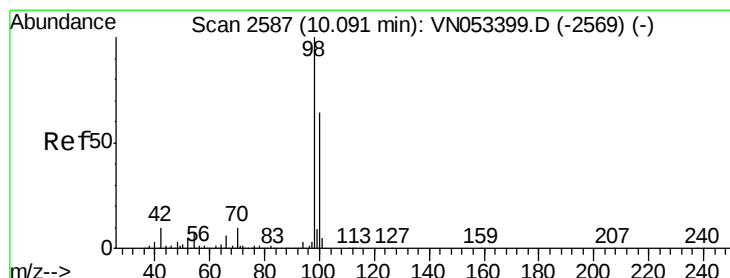
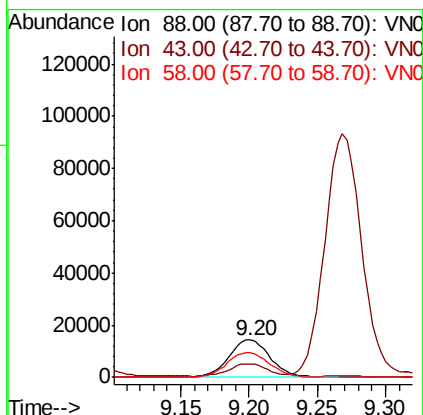
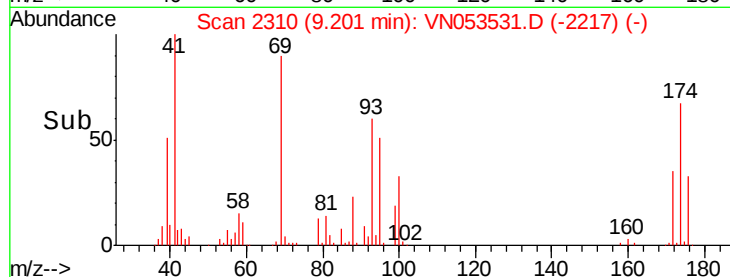
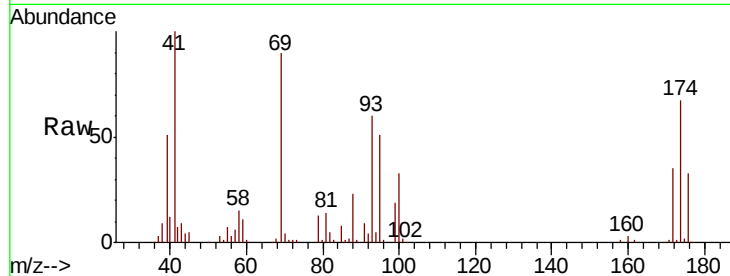
Tgt Ion: 88 Resp: 30138

Ion Ratio Lower Upper

88 100

43 31.3 27.8 41.6

58 68.1 56.5 84.7



#50

Toluene-d8

Concen: 604.646 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053531.D

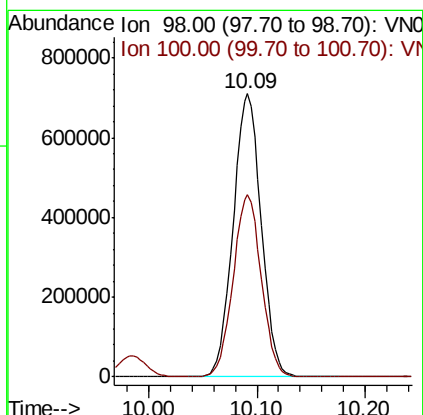
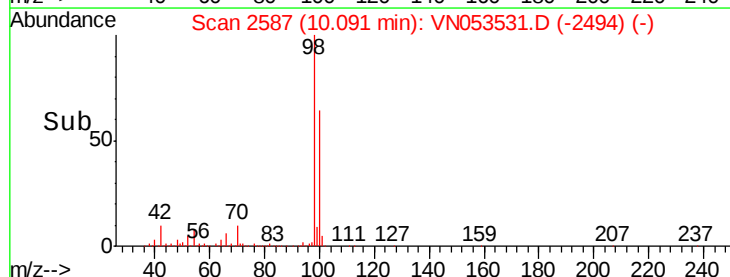
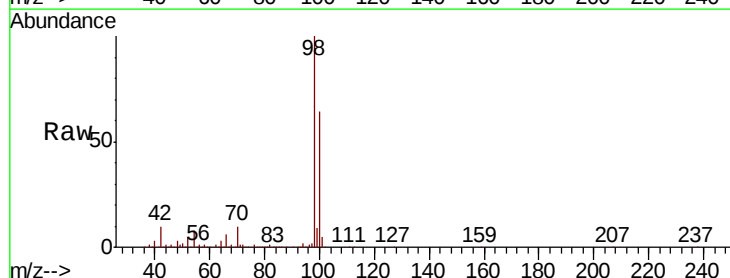
Acq: 23 Jan 2019 12:16

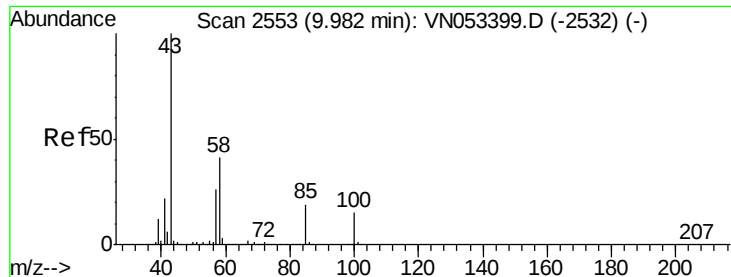
Tgt Ion: 98 Resp: 1287625

Ion Ratio Lower Upper

98 100

100 64.4 51.4 77.0

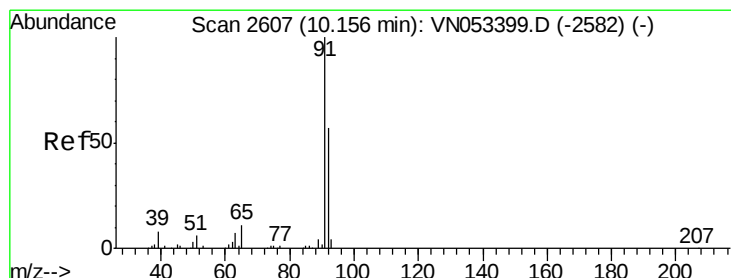
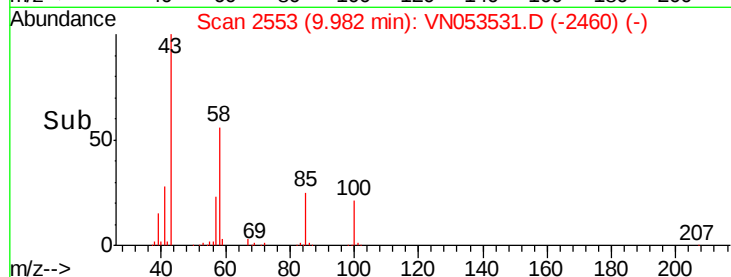
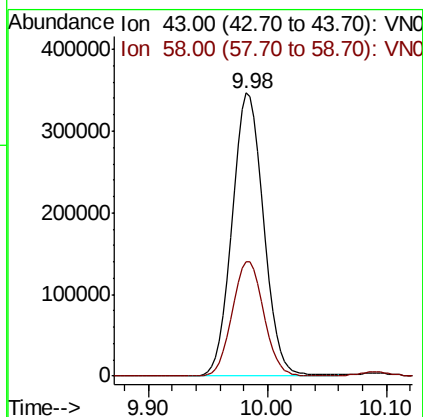
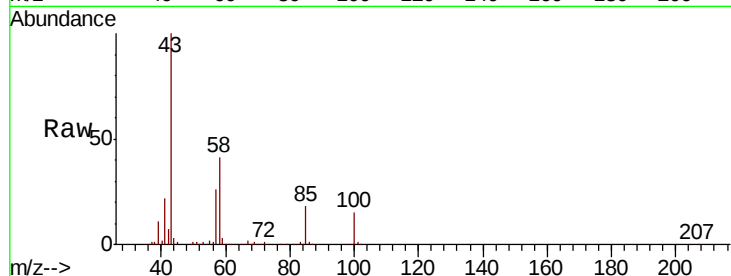




#51
 4-Methyl-2-Pentanone
 Concen: 117.482 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

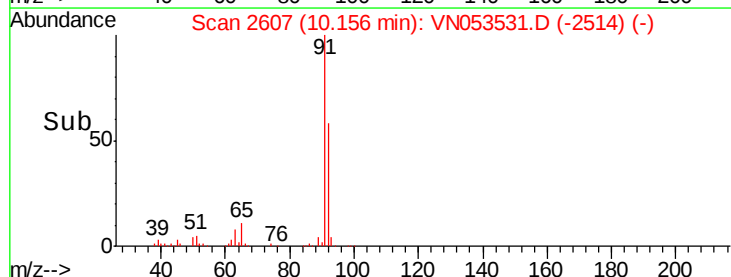
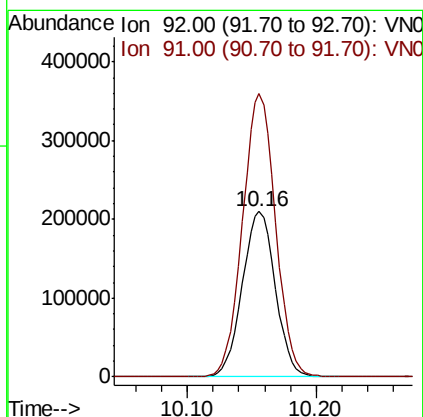
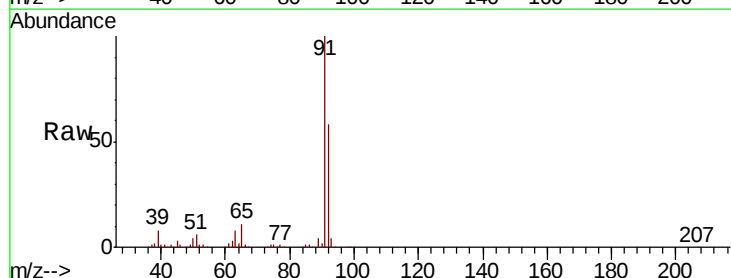
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBSD01

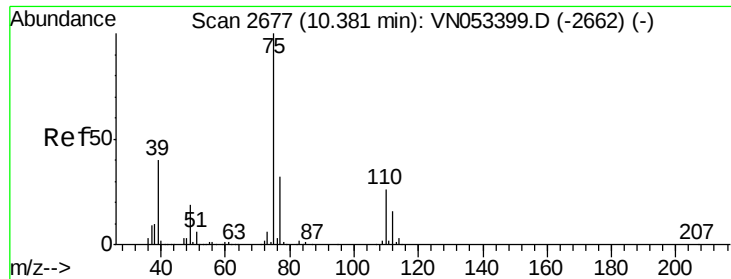
Tgt Ion: 43 Resp: 633934
 Ion Ratio Lower Upper
 43 100
 58 40.9 32.8 49.2



#52
 Toluene
 Concen: 20.747 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

Tgt Ion: 92 Resp: 373979
 Ion Ratio Lower Upper
 92 100
 91 171.2 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 20.954 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

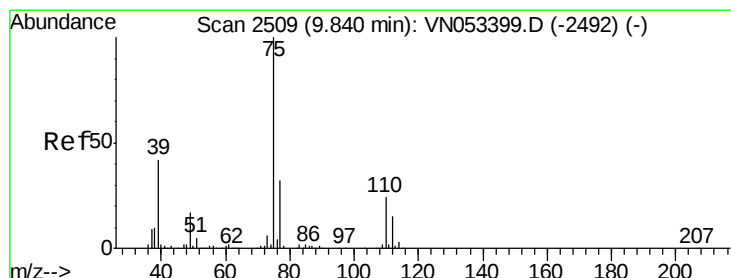
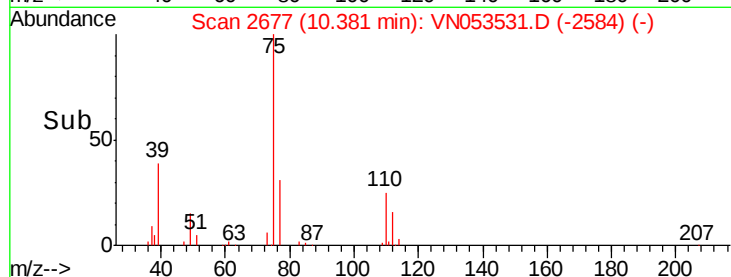
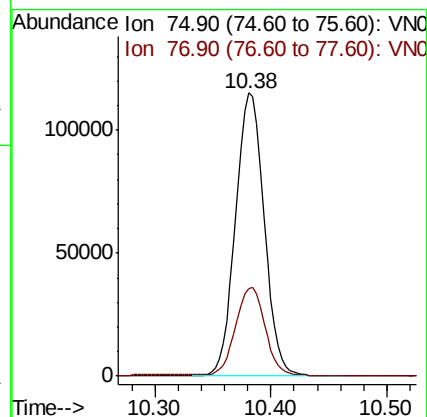
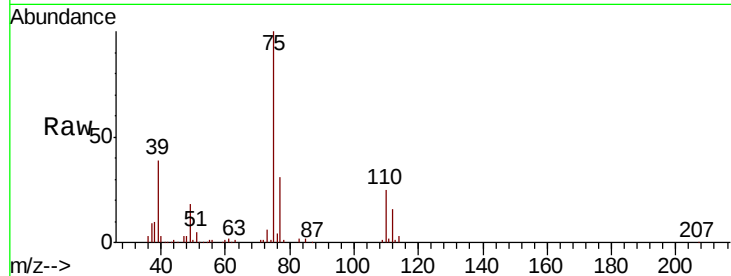
VN0123WBSD01

Tgt Ion: 75 Resp: 197359

Ion Ratio Lower Upper

75 100

77 30.8 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 20.879 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

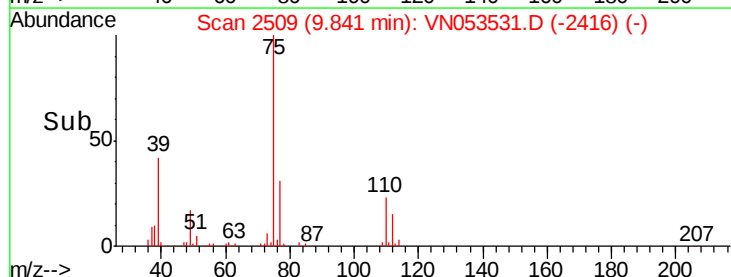
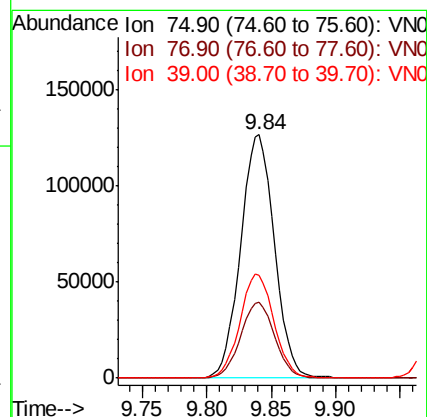
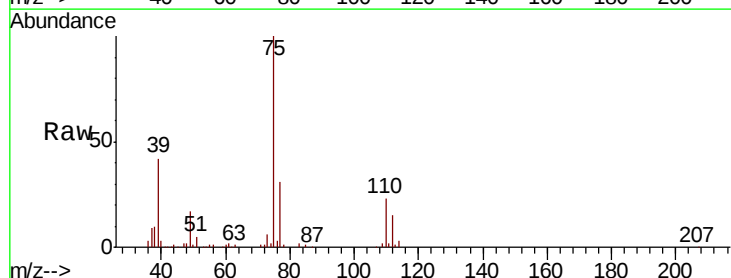
Tgt Ion: 75 Resp: 230527

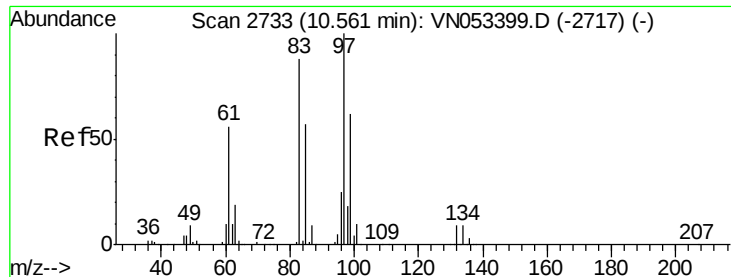
Ion Ratio Lower Upper

75 100

77 31.0 25.8 38.6

39 42.3 33.4 50.0

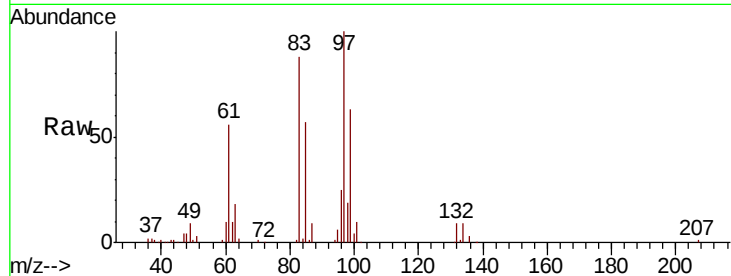




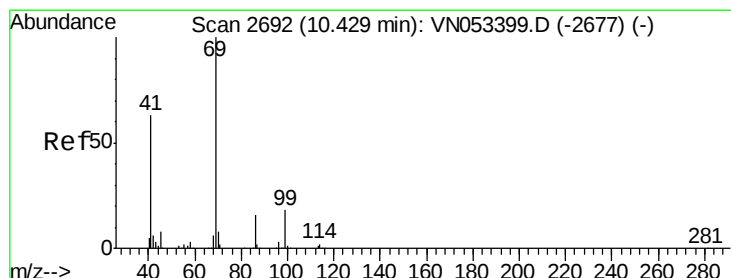
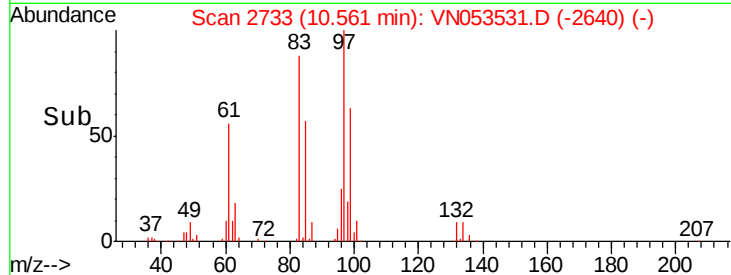
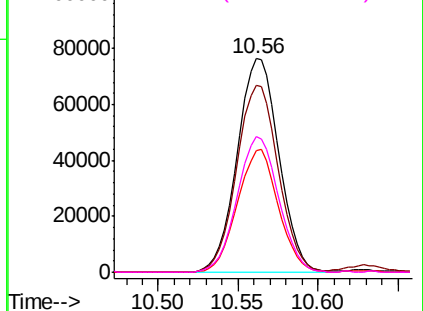
#55
 1,1,2-Trichloroethane
 Concen: 21.922 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBSD01

Tgt Ion:	97	Resp:	136240
Ion	Ratio	Lower	Upper
97	100		
83	87.6	70.1	105.1
85	56.9	45.4	68.0
99	63.3	49.8	74.8

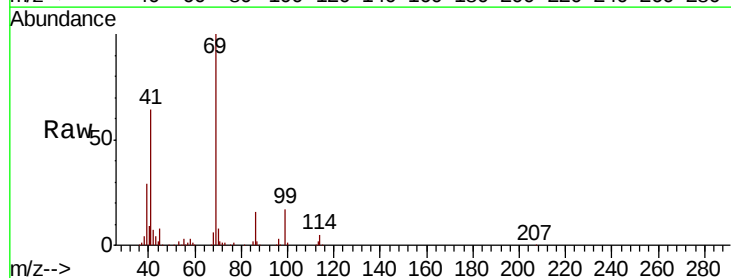


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

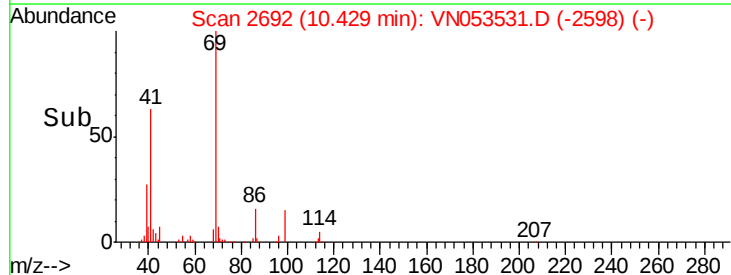
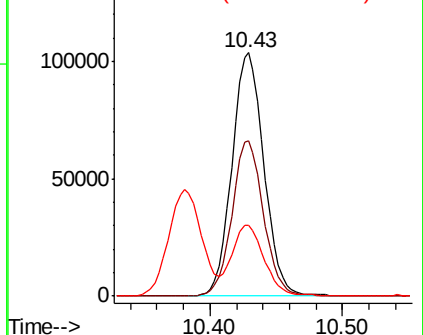


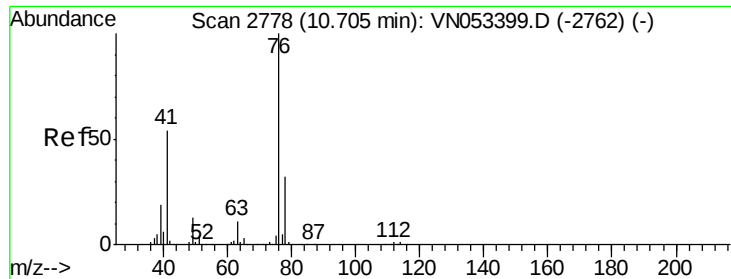
#56
 Ethyl methacrylate
 Concen: 20.898 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

Tgt Ion:	69	Resp:	173302
Ion	Ratio	Lower	Upper
69	100		
41	61.9	49.4	74.0
39	29.2	23.3	34.9



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

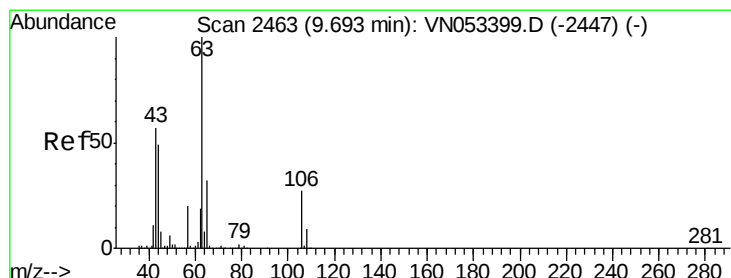
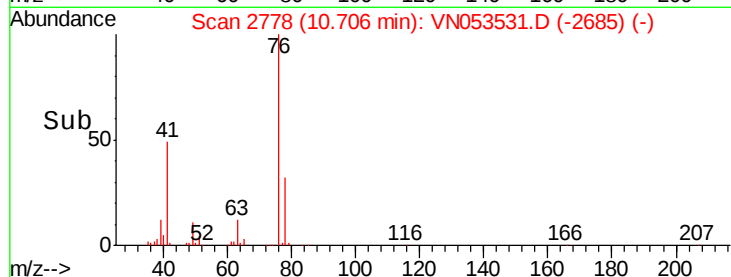
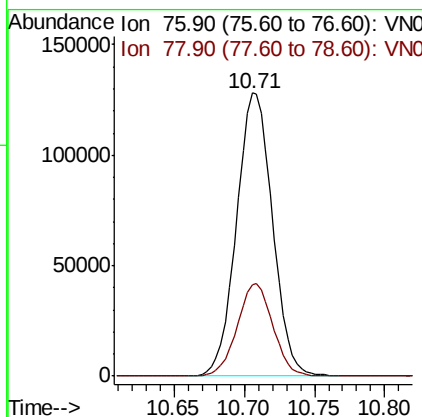
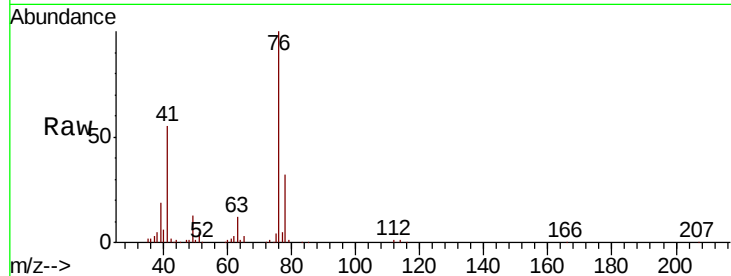




#57
 1,3-Dichloropropane
 Concen: 21.336 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

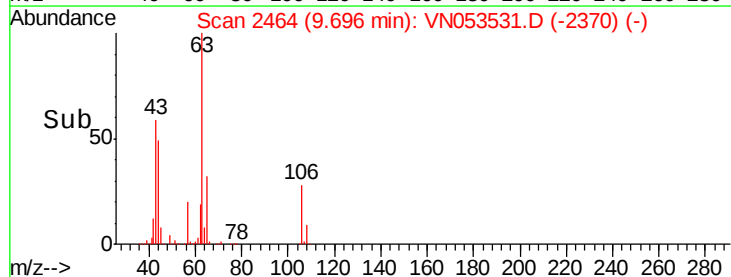
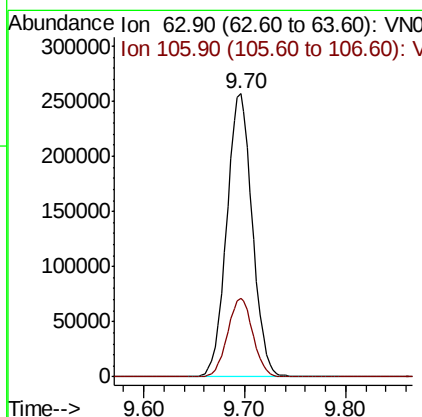
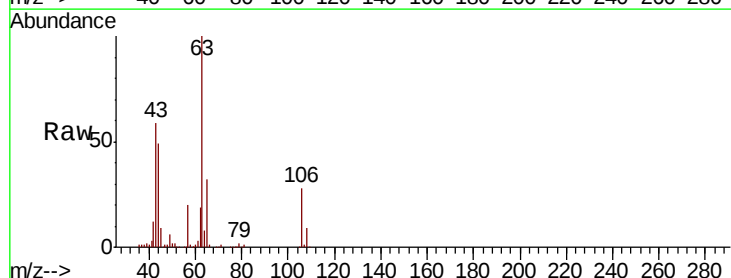
Instrument :
 MSVOA_N
 ClientSampled :
 VN0123WBSD01

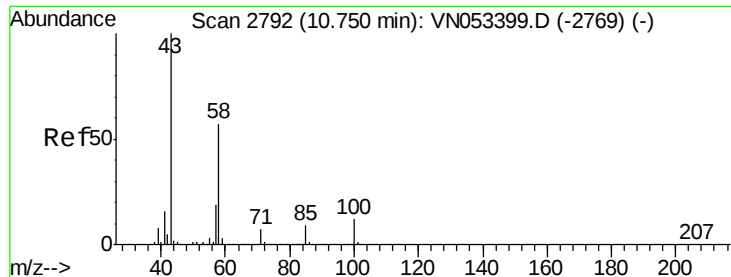
Tgt Ion: 76 Resp: 229383
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.579 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

Tgt Ion: 63 Resp: 454683
 Ion Ratio Lower Upper
 63 100
 106 27.5 21.5 32.3

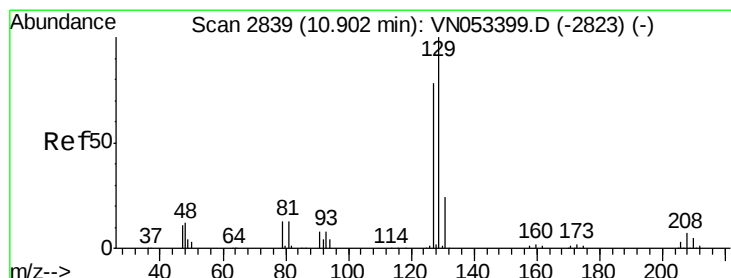
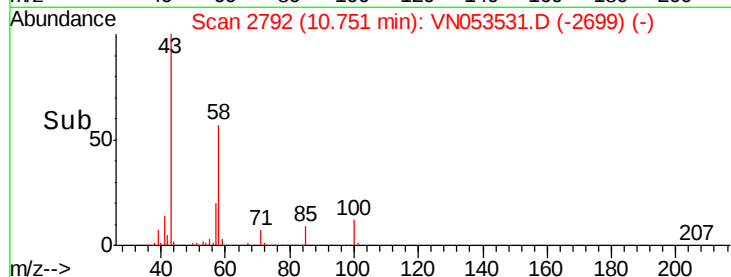
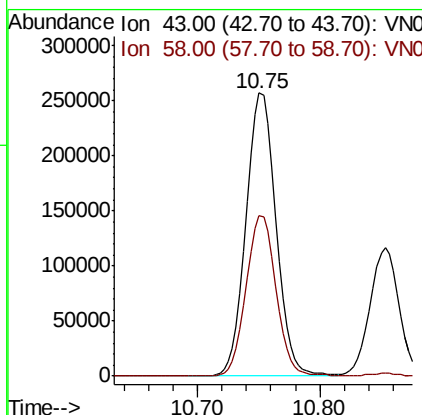
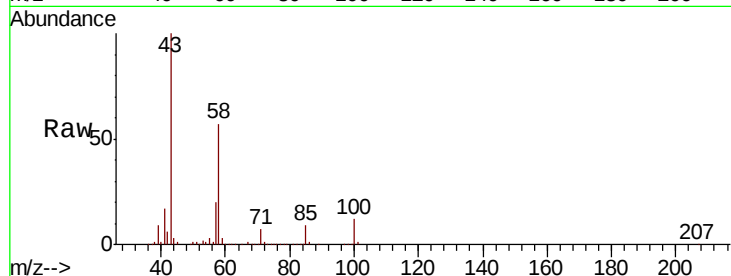




#59
2-Hexanone
Concen: 114.590 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

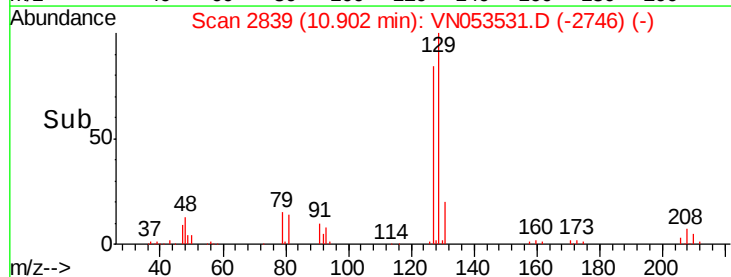
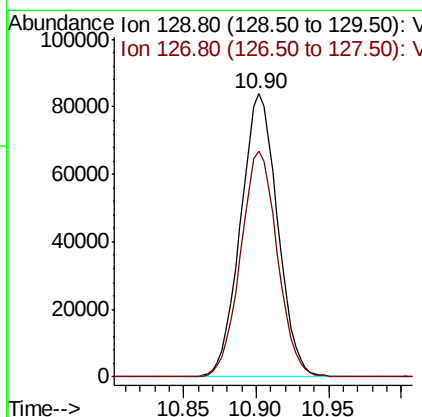
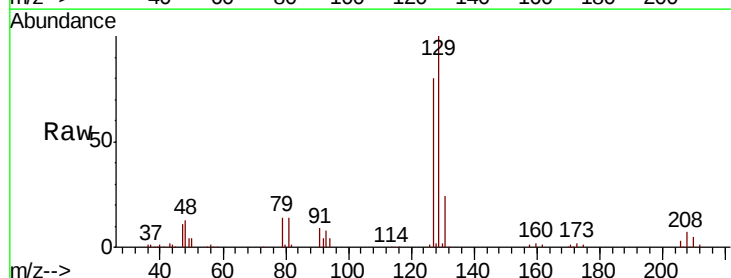
Instrument :
MSVOA_N
ClientSampleId :
VN0123WBSD01

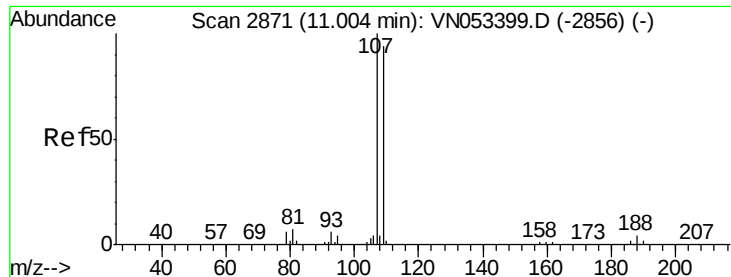
Tgt Ion: 43 Resp: 434060
Ion Ratio Lower Upper
43 100
58 56.6 28.6 85.8



#60
Dibromochloromethane
Concen: 21.134 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Tgt Ion: 129 Resp: 148967
Ion Ratio Lower Upper
129 100
127 79.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 21.082 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

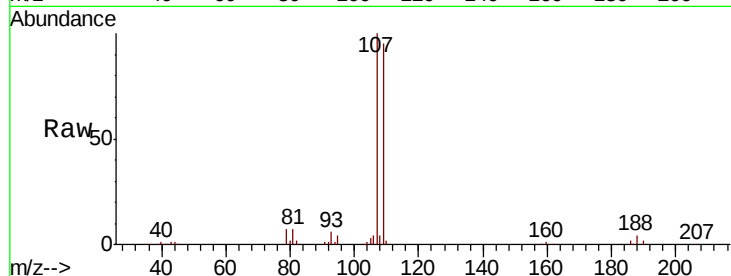
VN0123WBSD01

Tgt Ion: 107 Resp: 132505

Ion Ratio Lower Upper

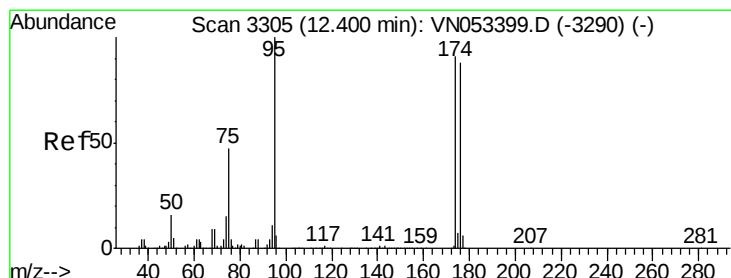
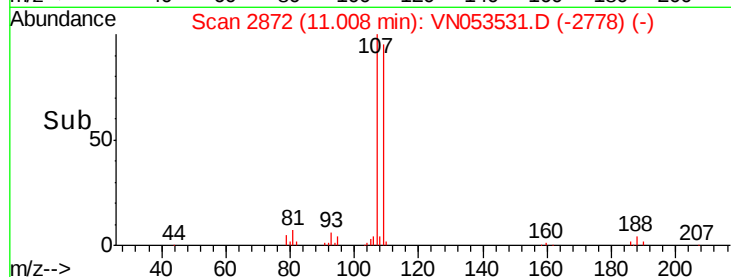
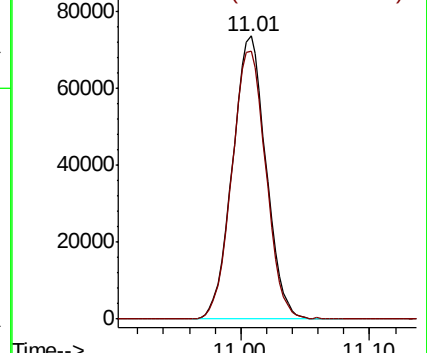
107 100

109 96.1 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 21.082 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

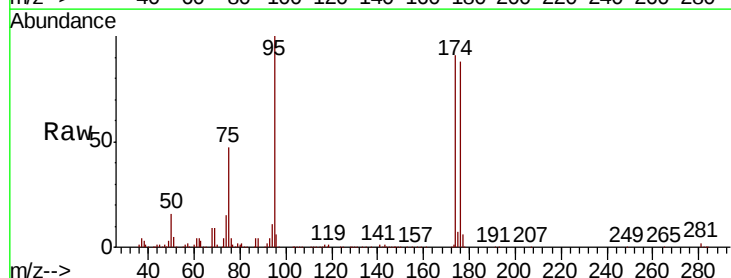
Tgt Ion: 95 Resp: 449811

Ion Ratio Lower Upper

95 100

174 92.2 0.0 183.2

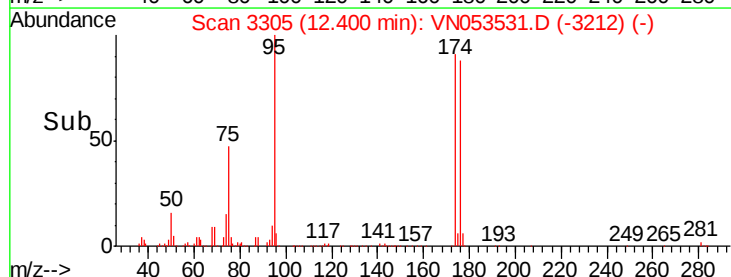
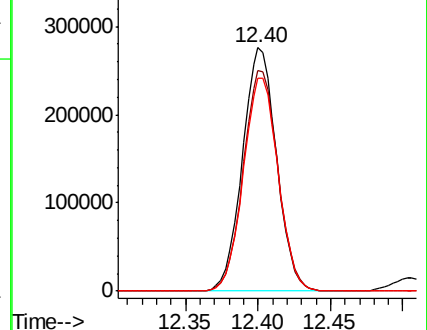
176 89.5 0.0 177.4

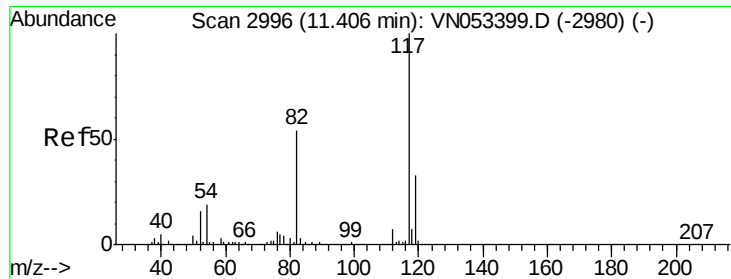


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

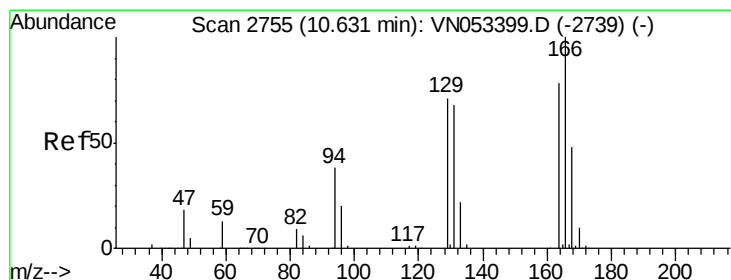
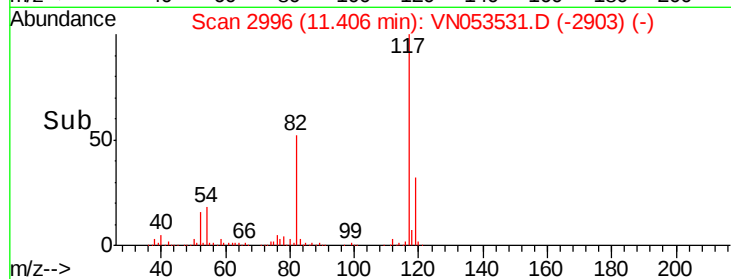
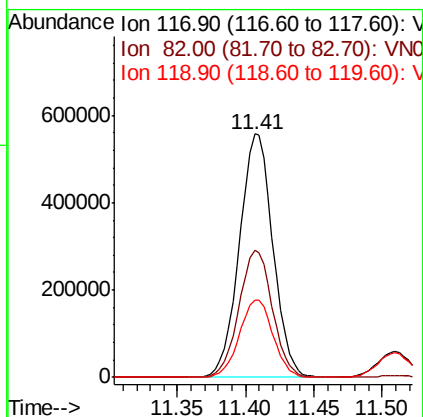
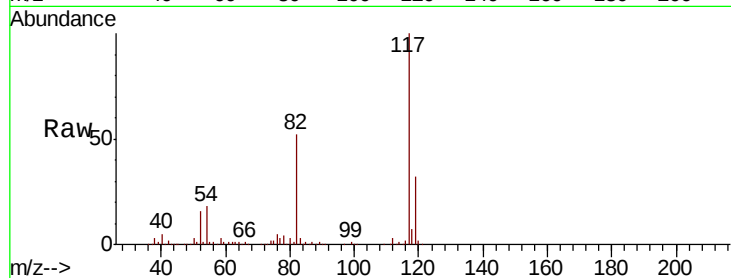




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

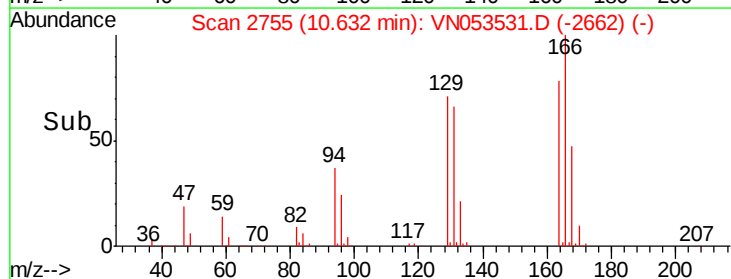
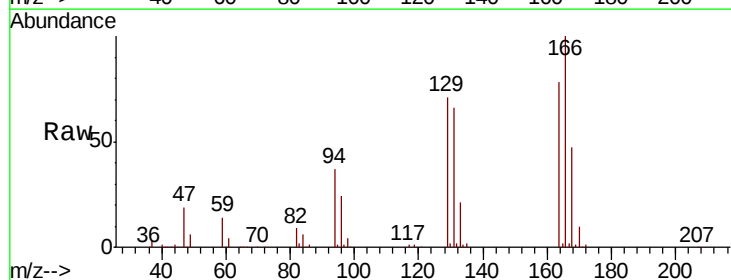
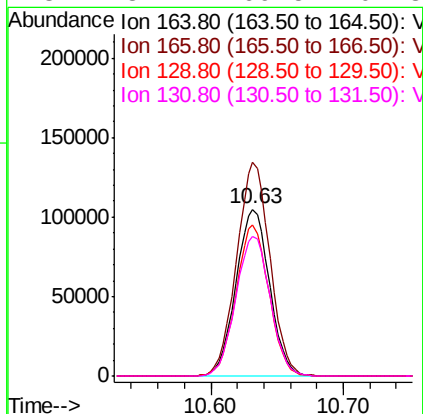
Instrument :
MSVOA_N
ClientSampled :
VN0123WBSD01

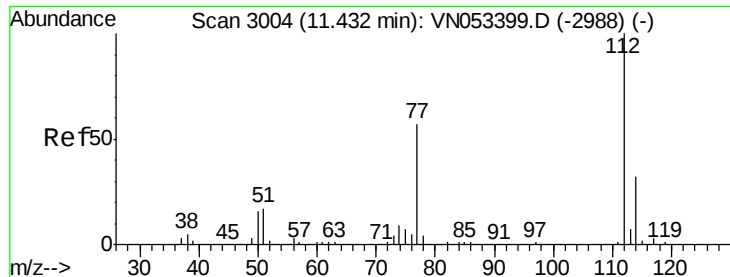
Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.2	42.9	64.3
119	31.7	26.0	39.0



#64
Tetrachloroethene
Concen: 20.545 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	102.2	153.4
129	90.9	72.6	109.0
131	84.2	69.5	104.3

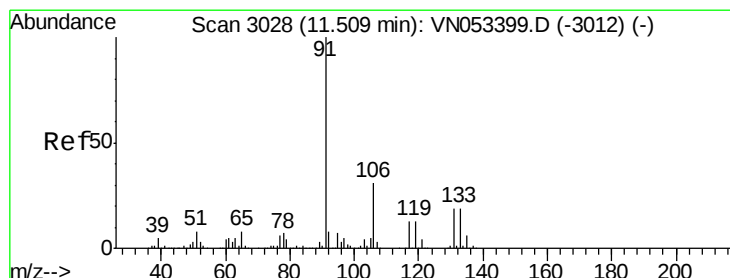
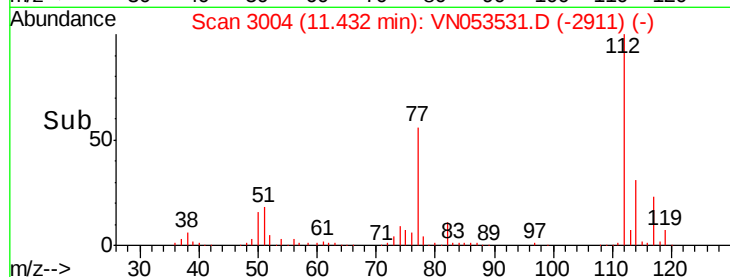
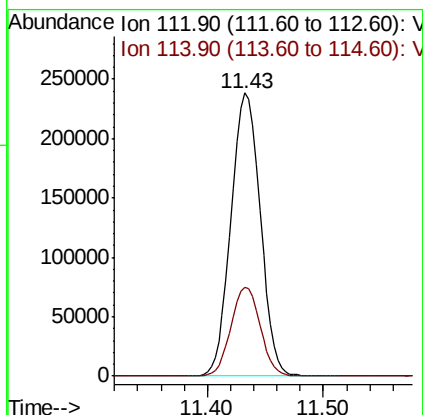
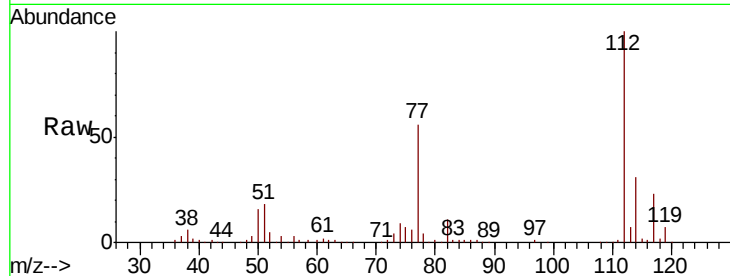




#65
Chlorobenzene
Concen: 20.732 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

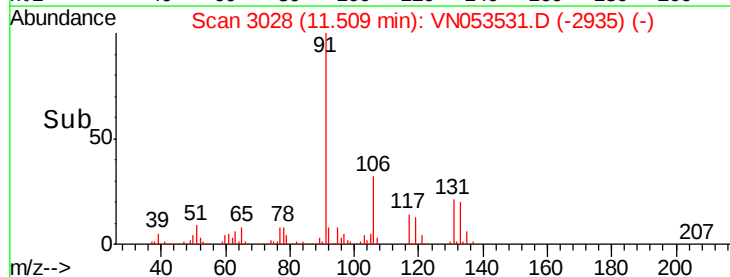
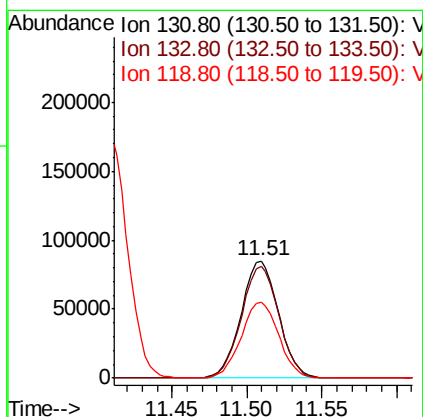
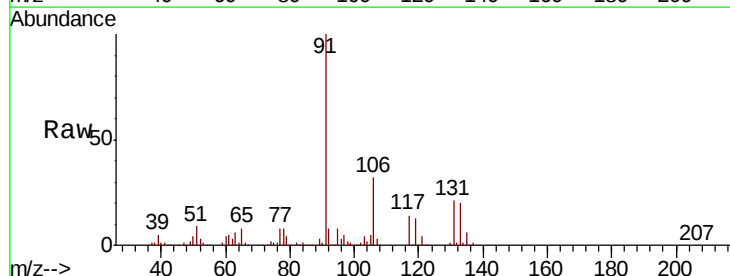
Instrument :
MSVOA_N
ClientSampled :
VN0123WBSD01

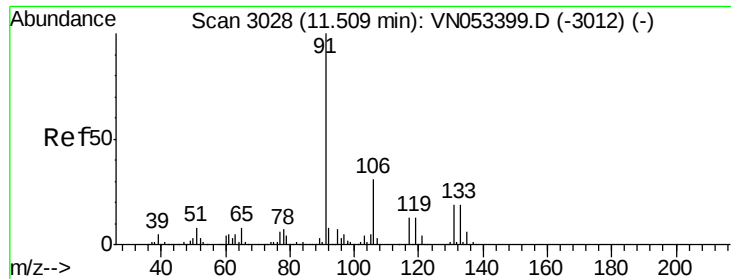
Tgt Ion:112 Resp: 416737
Ion Ratio Lower Upper
112 100
114 31.4 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.157 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Tgt Ion:131 Resp: 147945
Ion Ratio Lower Upper
131 100
133 95.7 48.0 144.0
119 65.3 33.5 100.5

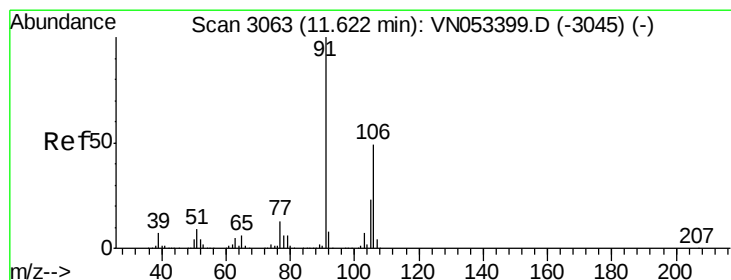
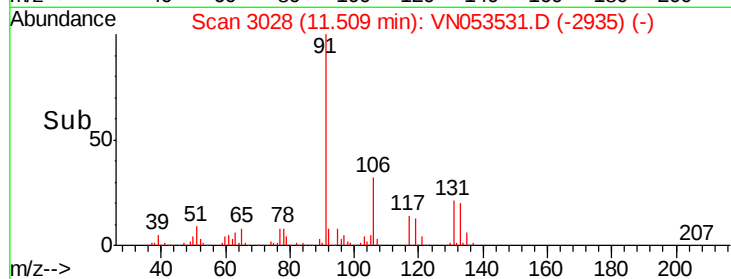
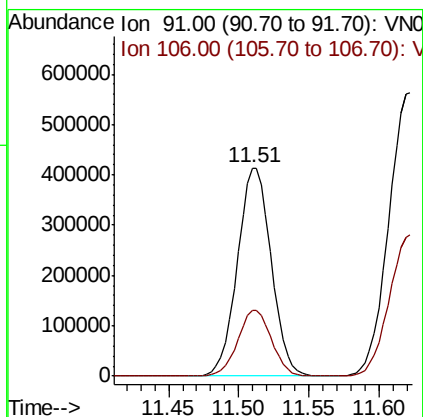
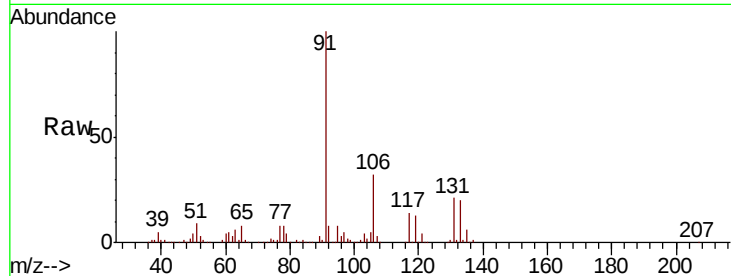




#67
Ethyl Benzene
Concen: 20.262 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

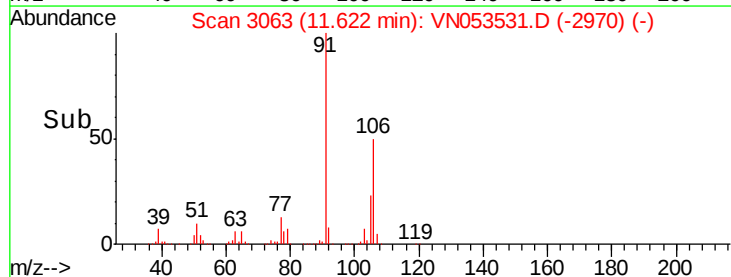
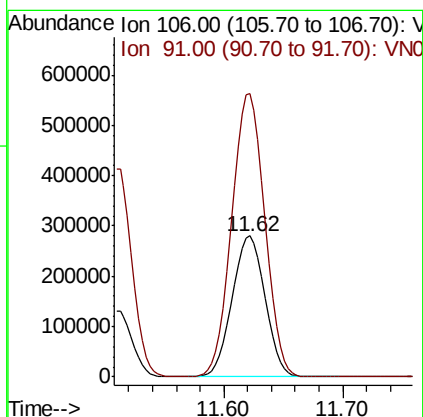
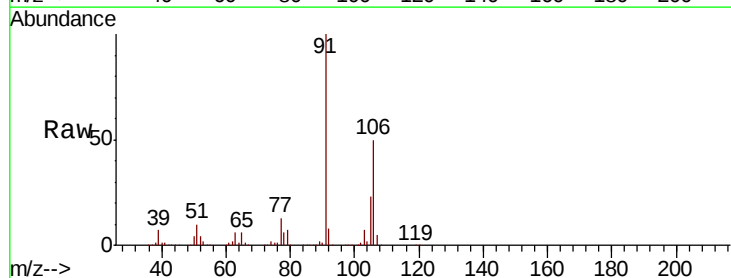
Instrument :
MSVOA_N
ClientSampleId :
VN0123WBSD01

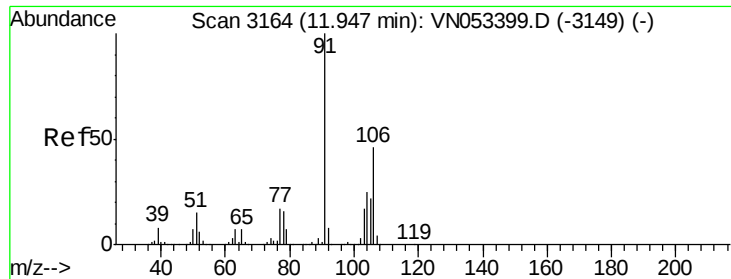
Tgt Ion: 91 Resp: 694116
Ion Ratio Lower Upper
91 100
106 31.5 25.0 37.6



#68
m/p-Xylenes
Concen: 41.606 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Tgt Ion: 106 Resp: 538131
Ion Ratio Lower Upper
106 100
91 200.8 161.4 242.2

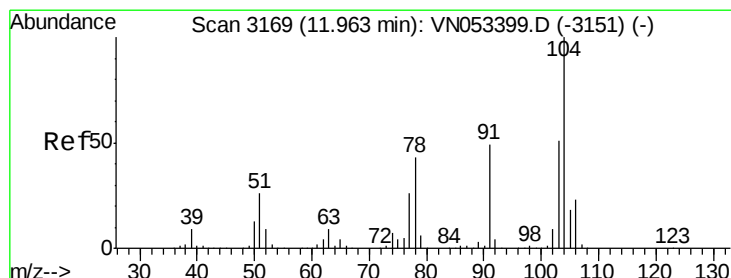
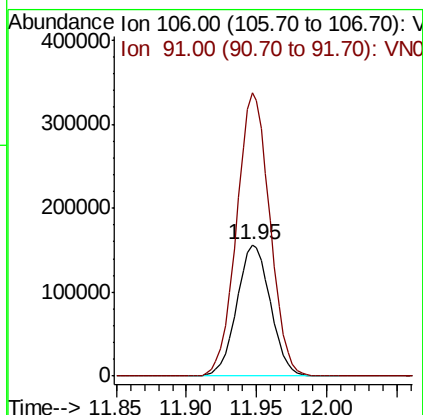
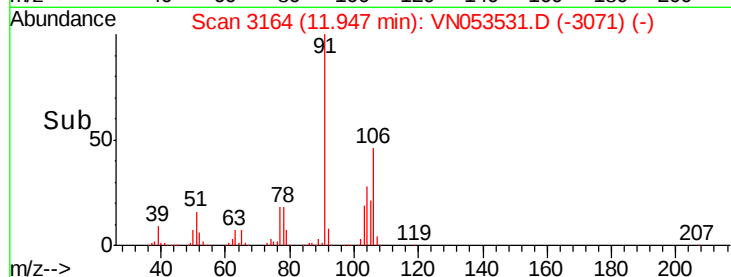
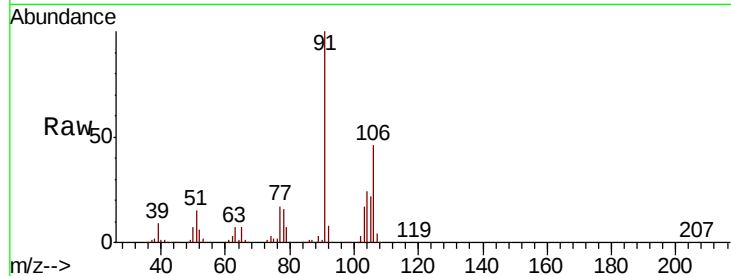




#69
o-Xylene
Concen: 20.756 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

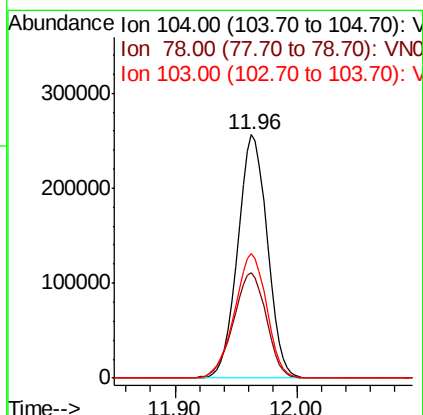
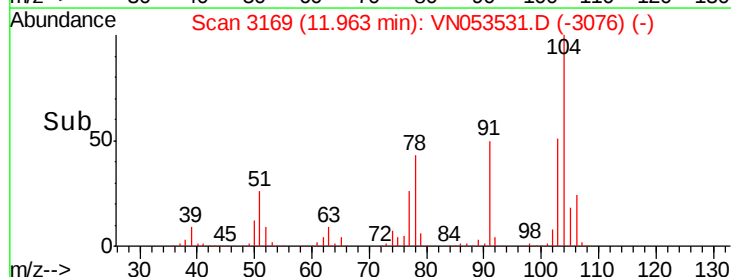
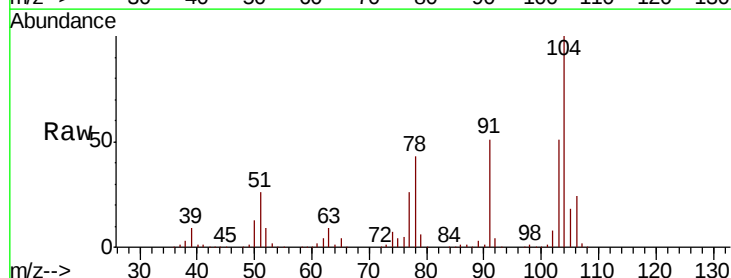
Instrument :
MSVOA_N
ClientSampleId :
VN0123WBSD01

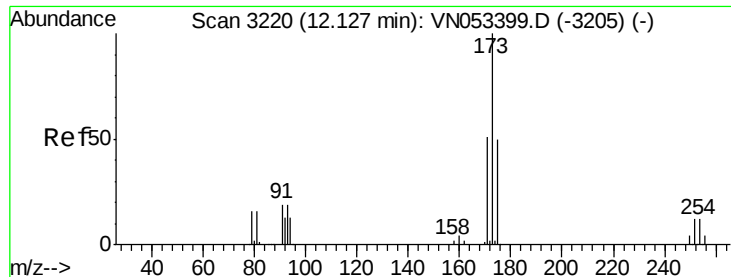
Tgt Ion:106 Resp: 260855
Ion Ratio Lower Upper
106 100
91 213.1 106.9 320.8



#70
Styrene
Concen: 21.039 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Tgt Ion:104 Resp: 429133
Ion Ratio Lower Upper
104 100
78 48.3 38.2 57.2
103 55.7 44.4 66.6

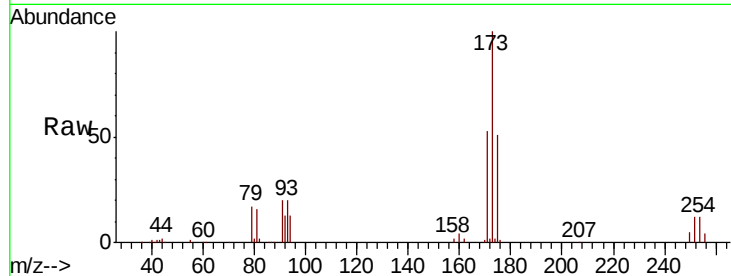




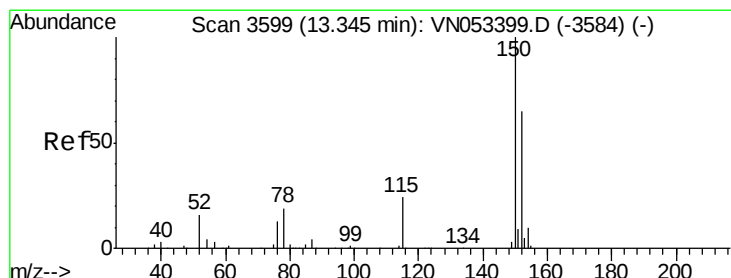
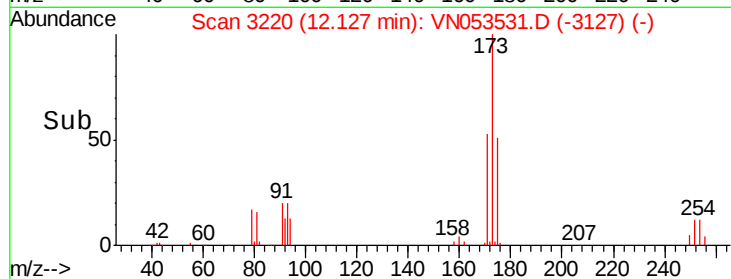
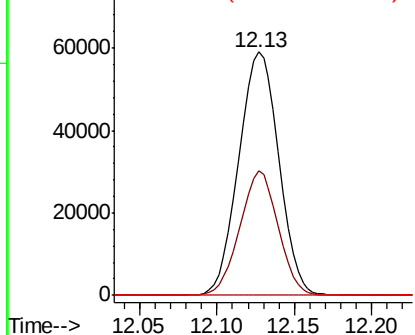
#71
Bromoform
Concen: 22.135 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBSD01

Tgt Ion:173 Resp: 106561
Ion Ratio Lower Upper
173 100
175 48.9 24.6 74.0
254 0.0 0.2 0.2#

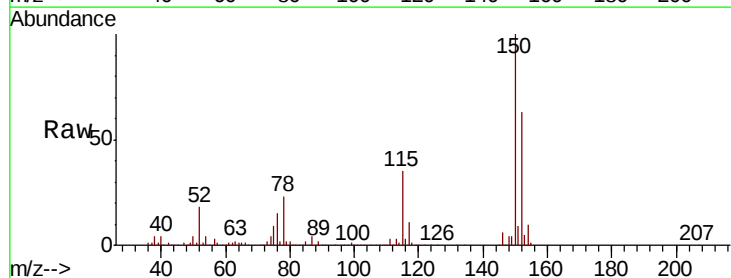


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

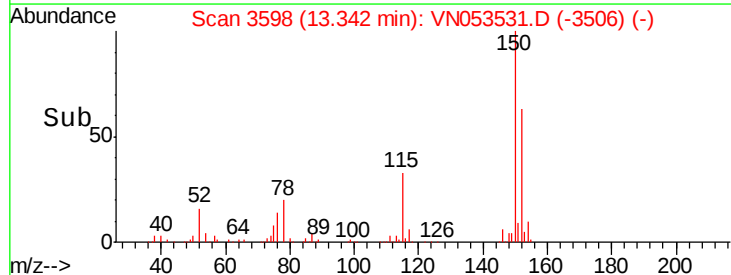
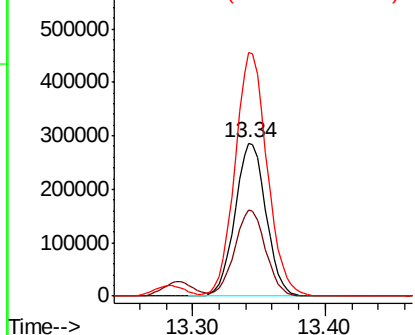


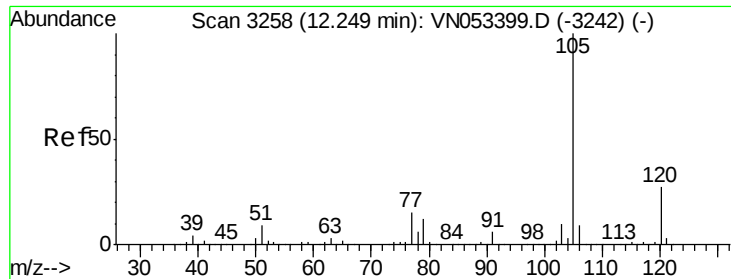
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Tgt Ion:152 Resp: 462277
Ion Ratio Lower Upper
152 100
115 56.4 27.8 83.4
150 165.7 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.526 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

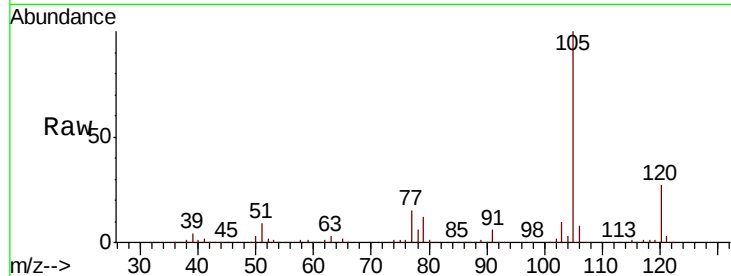
VN0123WBSD01

Tgt Ion: 105 Resp: 694870

Ion Ratio Lower Upper

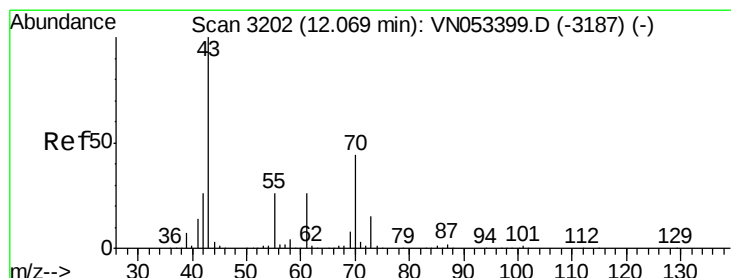
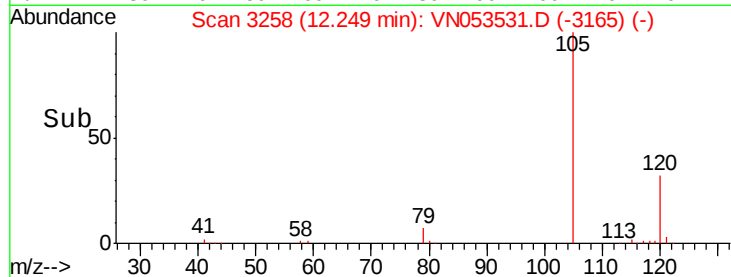
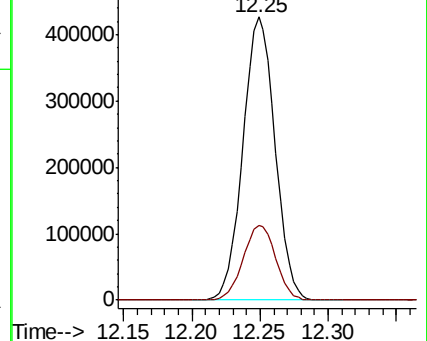
105 100

120 27.0 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.894 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Tgt Ion: 43 Resp: 197576

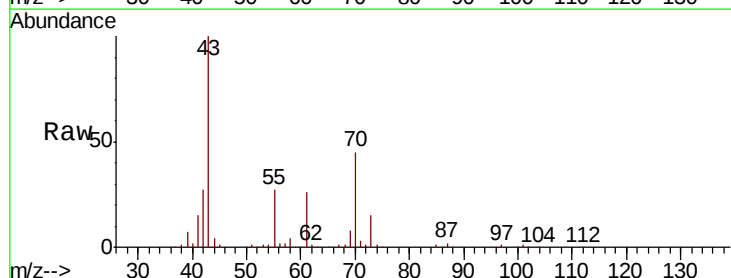
Ion Ratio Lower Upper

43 100

70 44.7 35.4 53.2

55 27.0 20.9 31.3

61 25.9 20.5 30.7

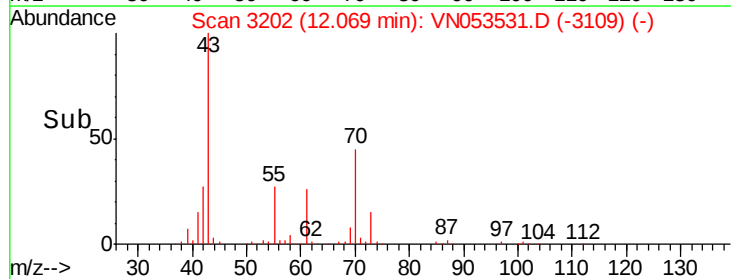
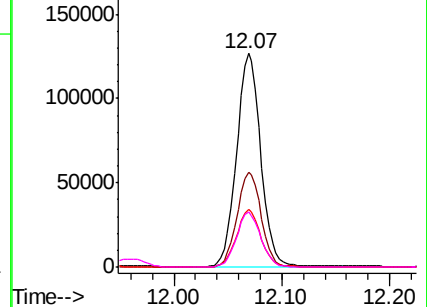


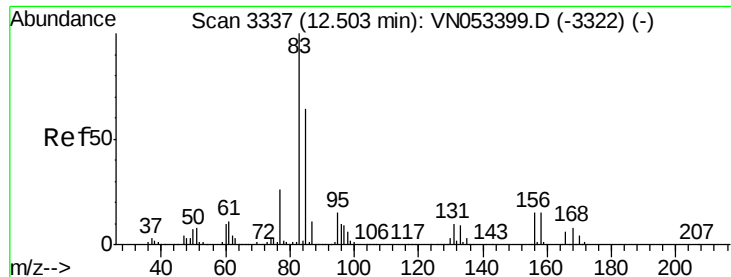
Abundance Ion 43.00 (42.70 to 43.70): V

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: 22.054 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0123WBSD01

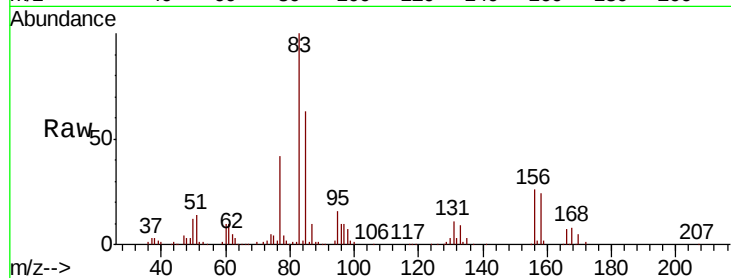
Tgt Ion: 83 Resp: 156578

Ion Ratio Lower Upper

83 100

131 10.5 5.3 15.8

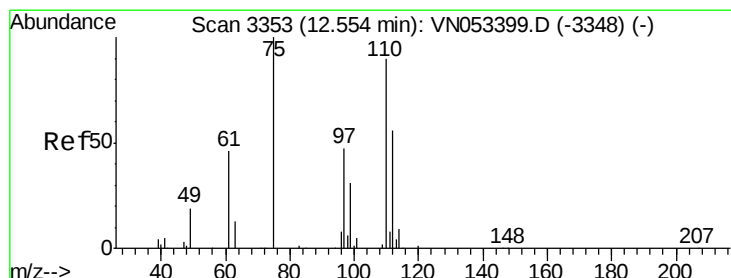
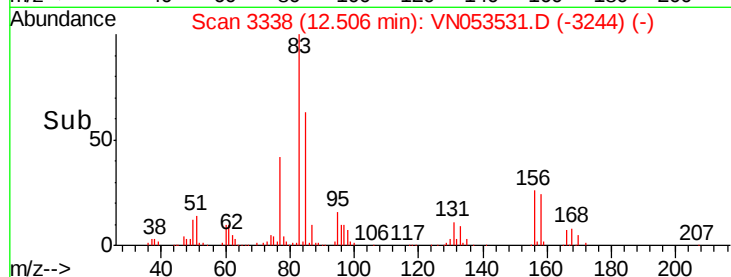
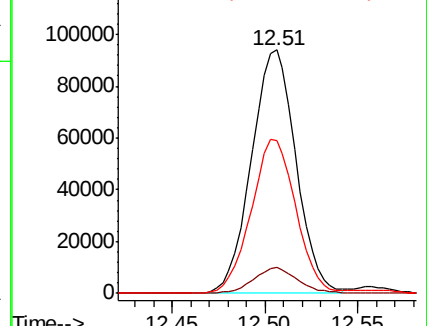
85 63.6 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 34.442 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053531.D

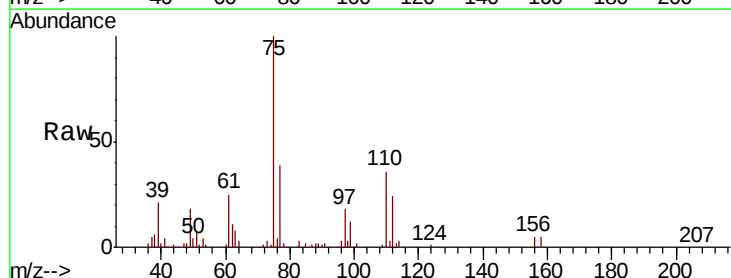
Acq: 23 Jan 2019 12:16

Tgt Ion: 75 Resp: 209820

Ion Ratio Lower Upper

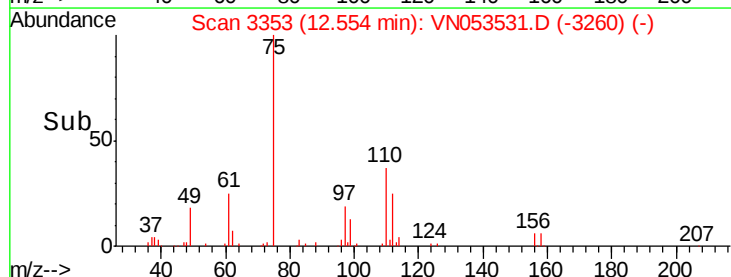
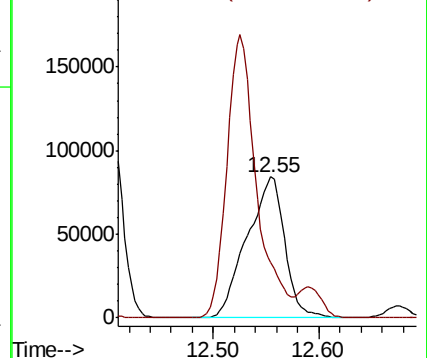
75 100

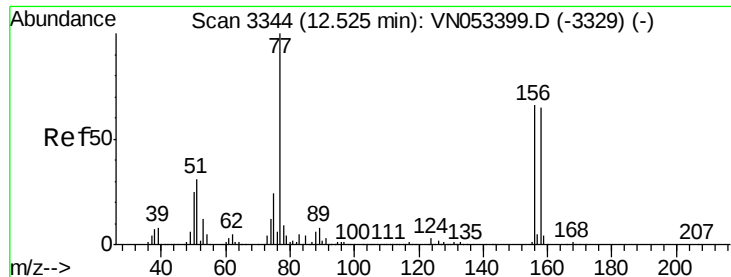
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.831 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0123WBSD01

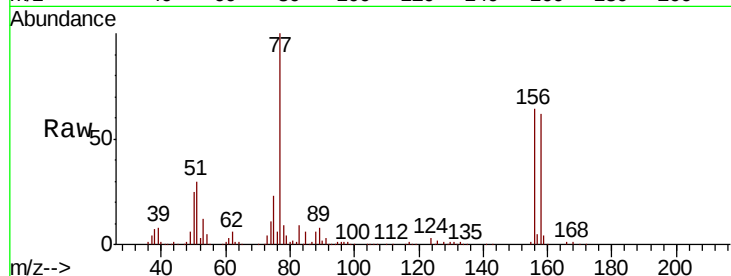
Tgt Ion:156 Resp: 185817

Ion Ratio Lower Upper

156 100

77 177.1 87.9 263.8

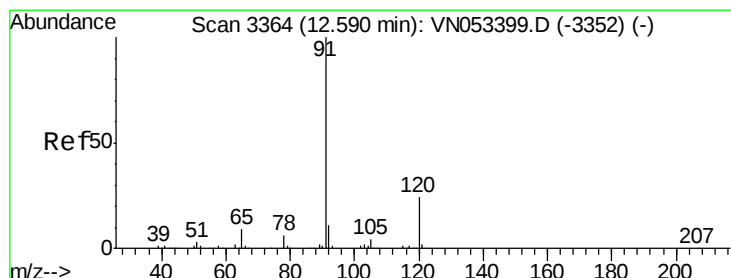
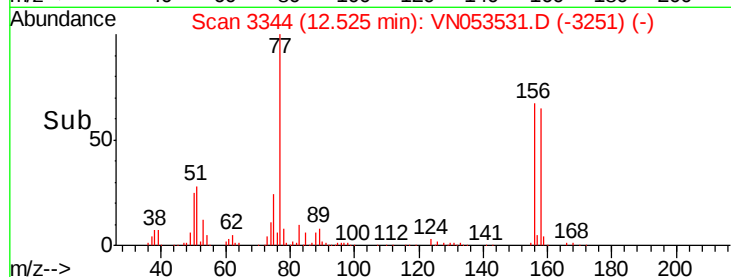
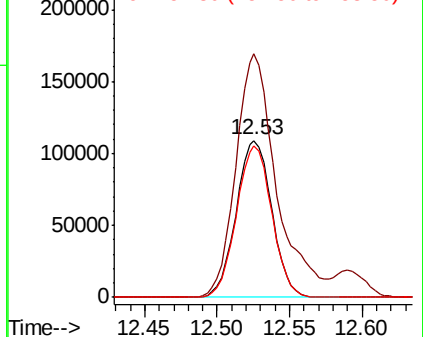
158 95.9 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.530 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053531.D

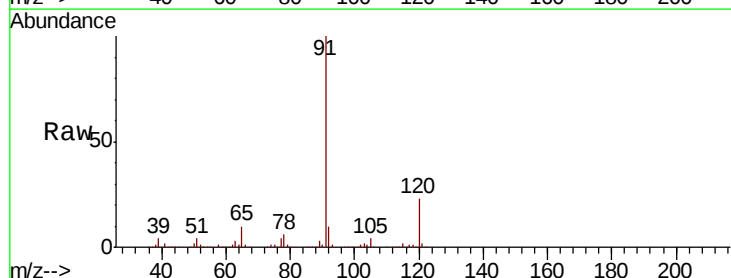
Acq: 23 Jan 2019 12:16

Tgt Ion: 91 Resp: 797788

Ion Ratio Lower Upper

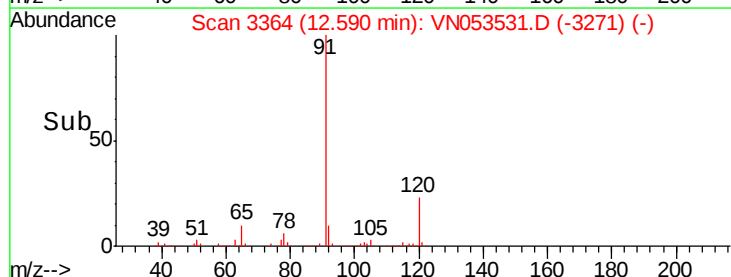
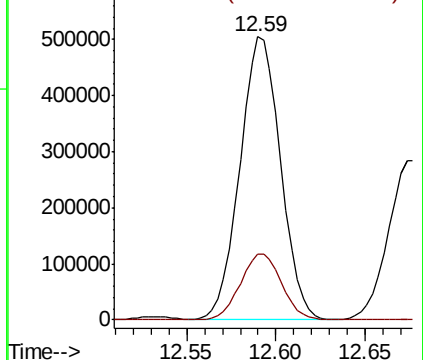
91 100

120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.594 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

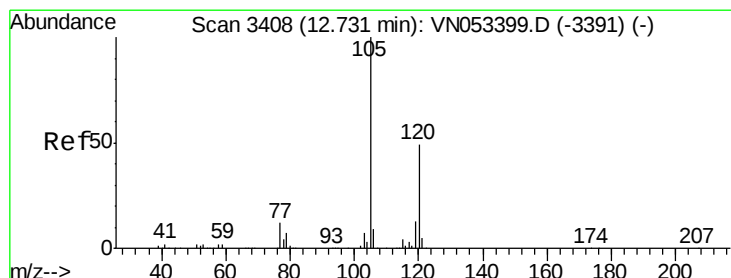
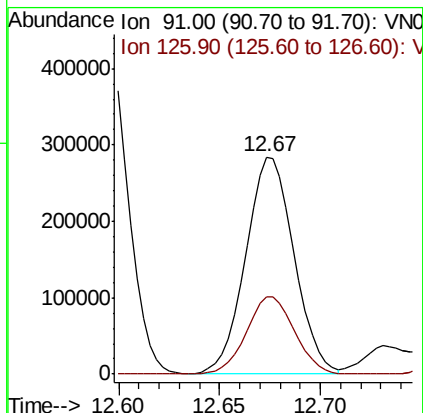
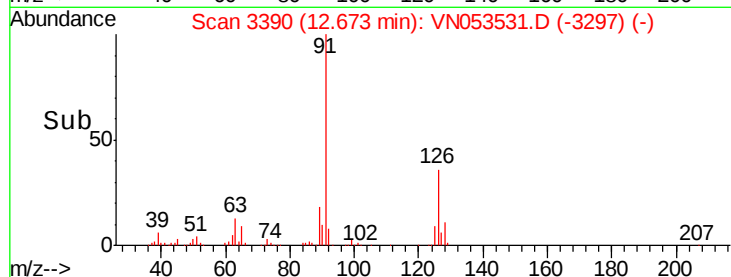
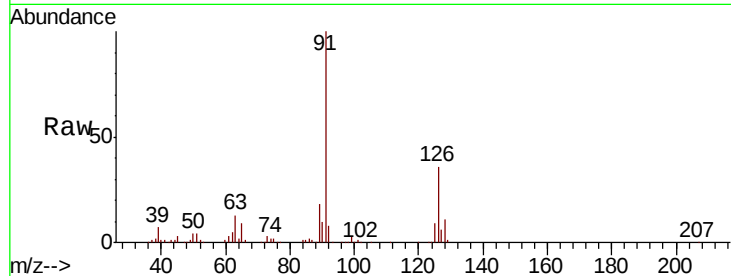
VN0123WBSD01

Tgt Ion: 91 Resp: 474354

Ion Ratio Lower Upper

91 100

126 35.7 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 20.878 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053531.D

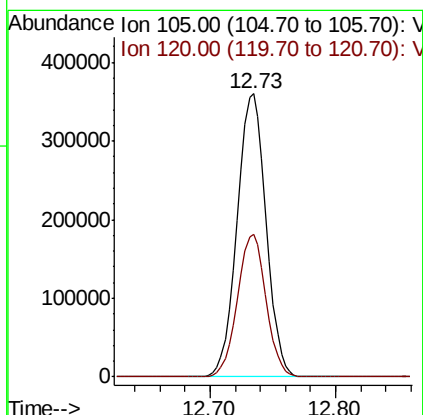
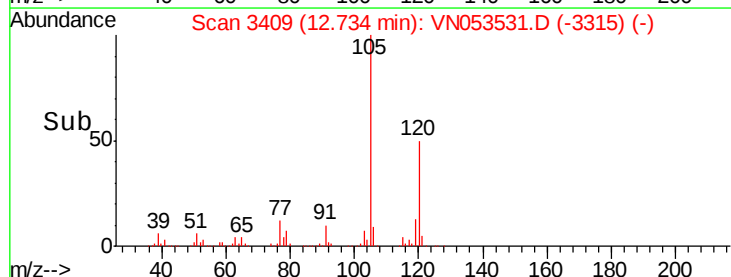
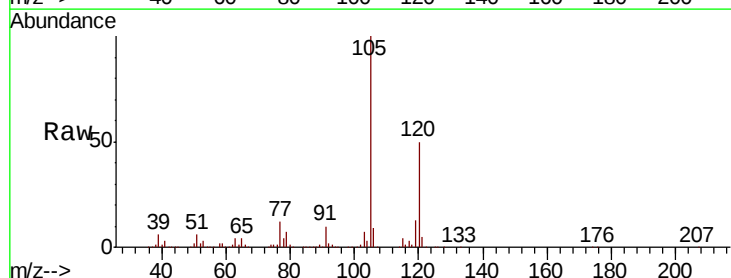
Acq: 23 Jan 2019 12:16

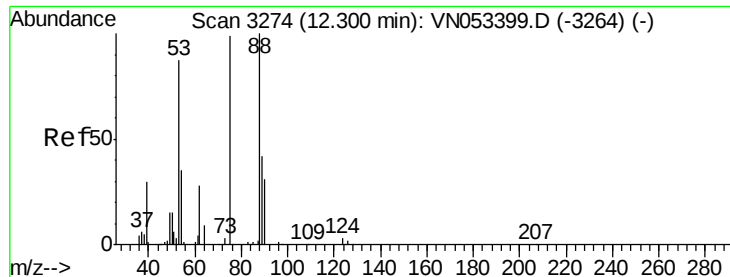
Tgt Ion: 105 Resp: 575058

Ion Ratio Lower Upper

105 100

120 49.9 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 20.865 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0123WBSD01

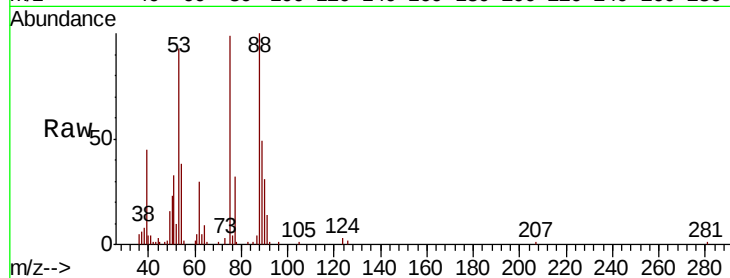
Tgt Ion: 75 Resp: 46481

Ion Ratio Lower Upper

75 100

53 94.0 69.8 104.6

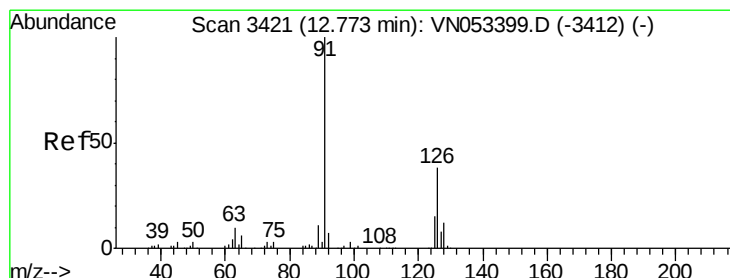
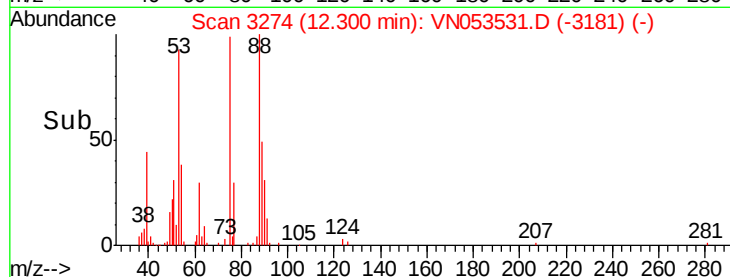
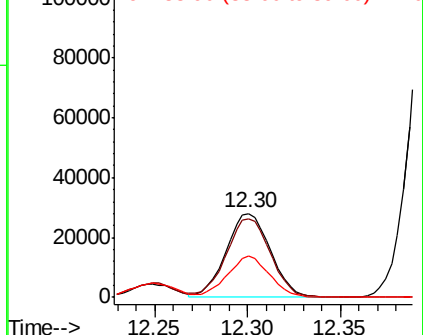
89 46.9 35.6 53.4



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 20.746 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053531.D

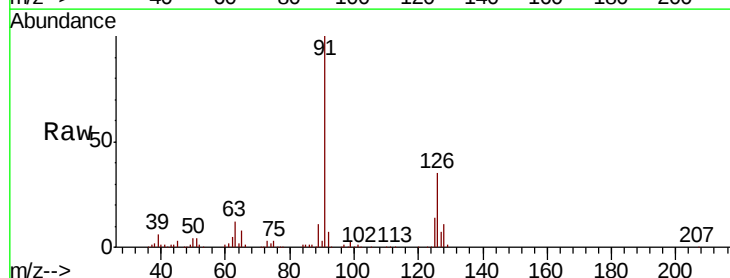
Acq: 23 Jan 2019 12:16

Tgt Ion: 91 Resp: 487312

Ion Ratio Lower Upper

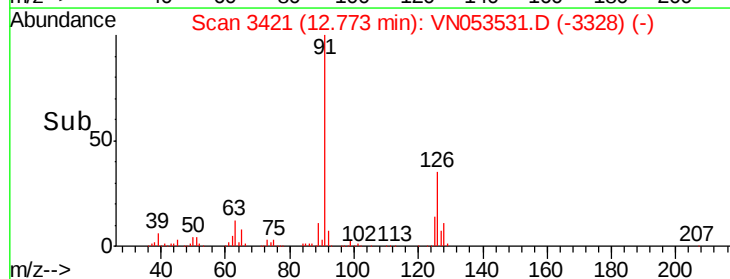
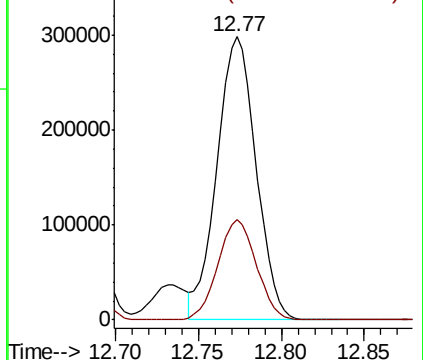
91 100

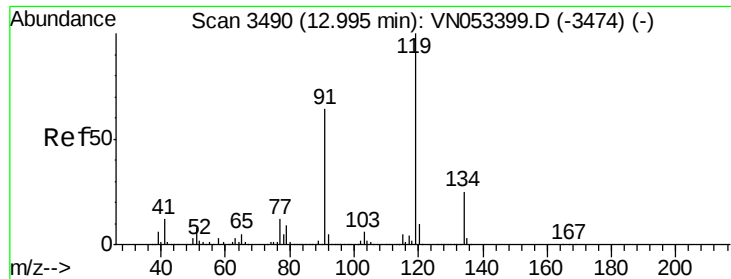
126 35.0 17.6 52.9



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 125.90 (125.60 to 126.60): V

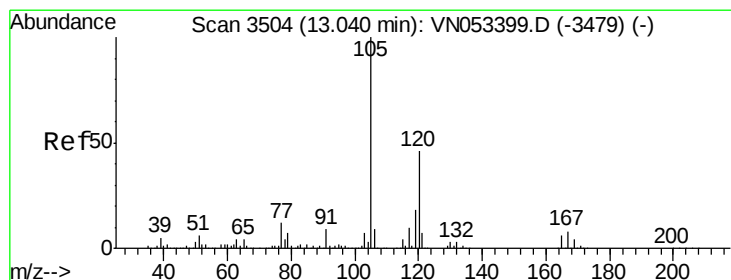
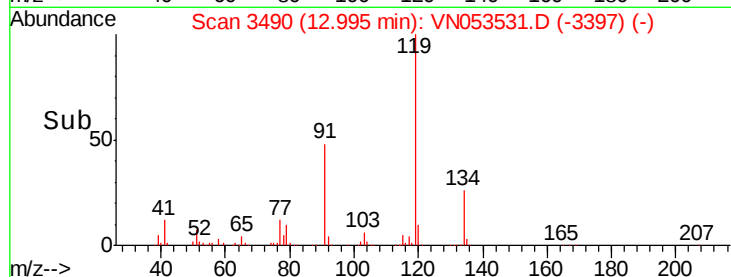
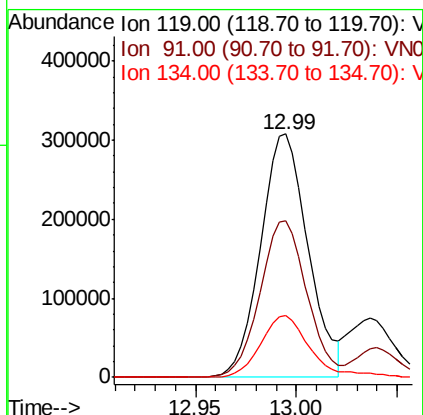
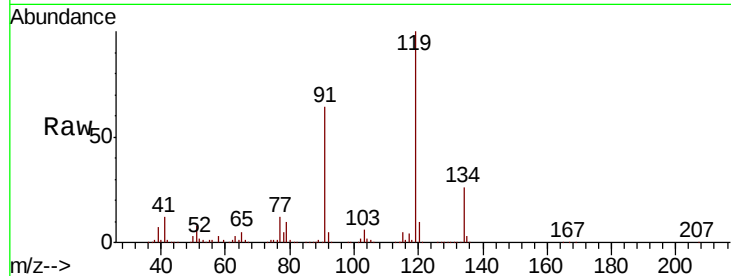




#83
 tert-Butylbenzene
 Concen: 20.739 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

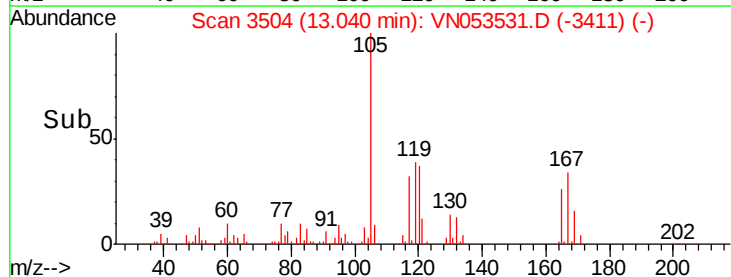
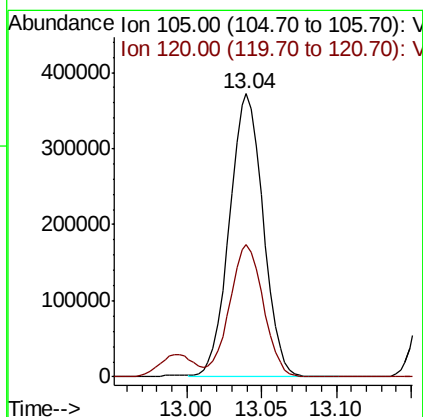
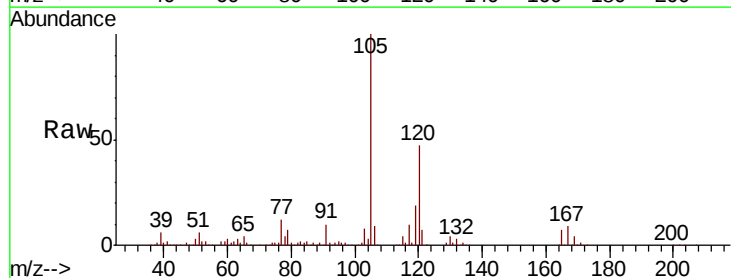
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBSD01

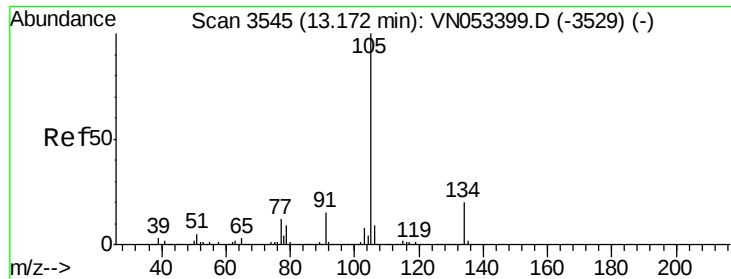
Tgt Ion:119 Resp: 504525
 Ion Ratio Lower Upper
 119 100
 91 63.8 31.3 93.8
 134 26.5 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 20.974 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

Tgt Ion:105 Resp: 582492
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.0 69.0





#85

sec-Butylbenzene

Concen: 20.762 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

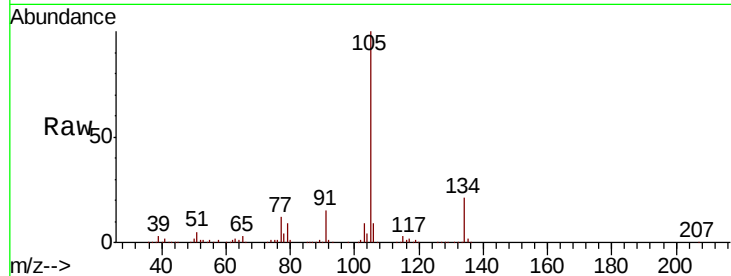
VN0123WBSD01

Tgt Ion:105 Resp: 692705

Ion Ratio Lower Upper

105 100

134 20.7 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

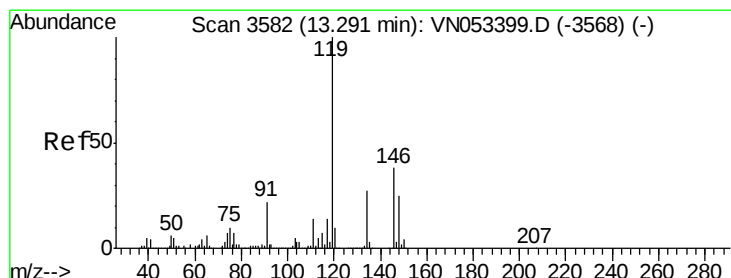
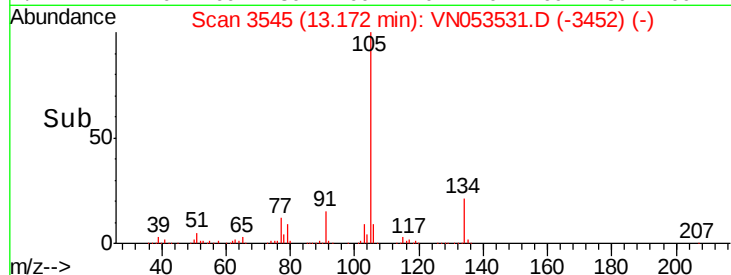
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.961 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

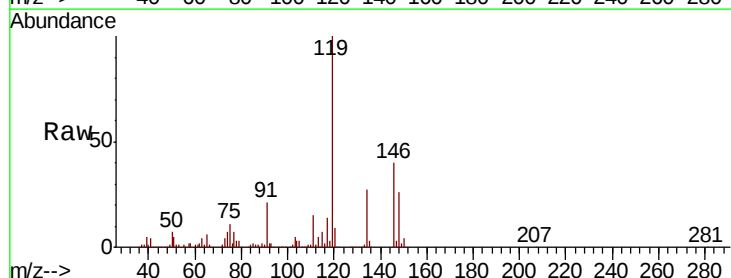
Tgt Ion:119 Resp: 607209

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.4

91 21.6 11.0 33.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

400000

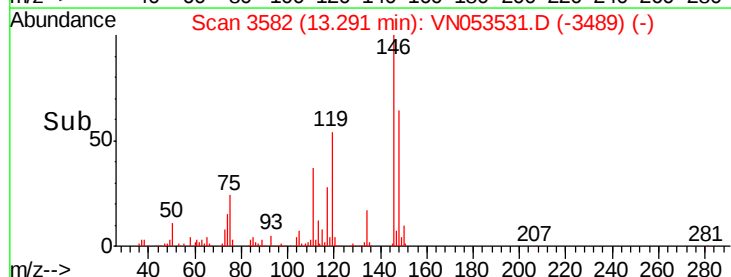
300000

200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.815 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0123WBSD01

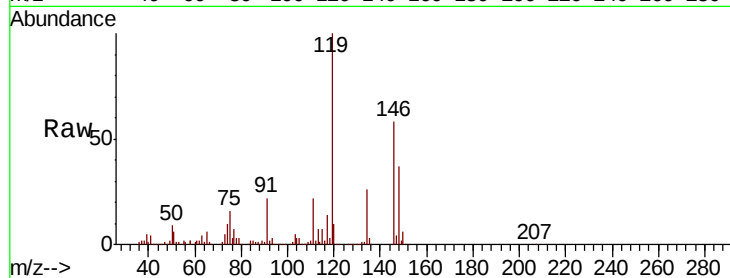
Tgt Ion:146 Resp: 326613

Ion Ratio Lower Upper

146 100

111 37.9 18.8 56.3

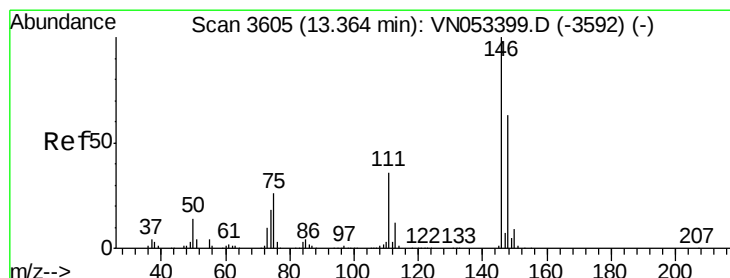
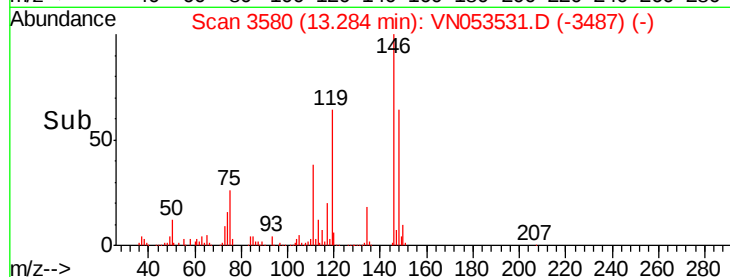
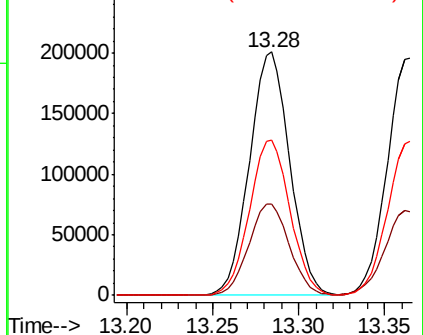
148 64.2 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.486 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

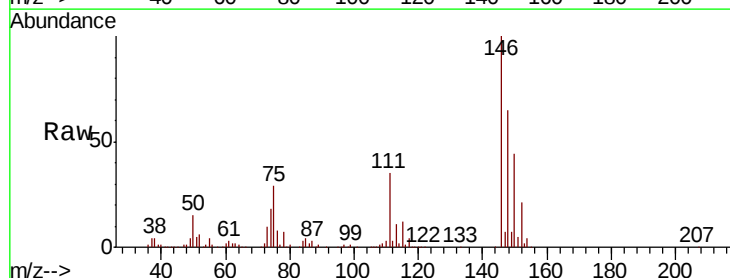
Tgt Ion:146 Resp: 322445

Ion Ratio Lower Upper

146 100

111 37.7 18.6 55.8

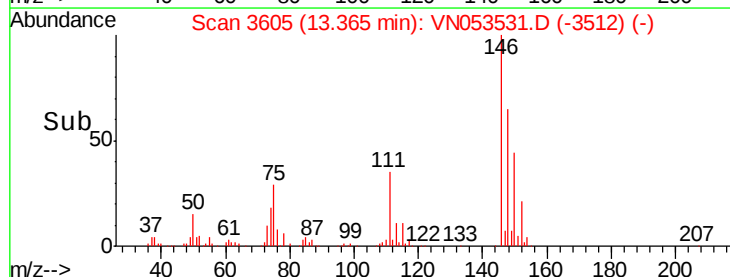
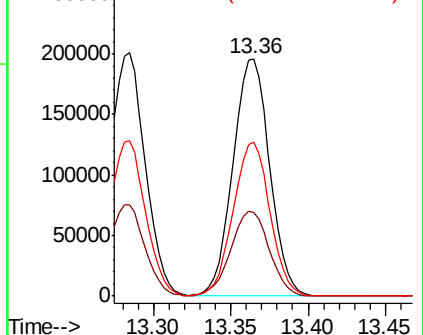
148 65.0 32.4 97.0

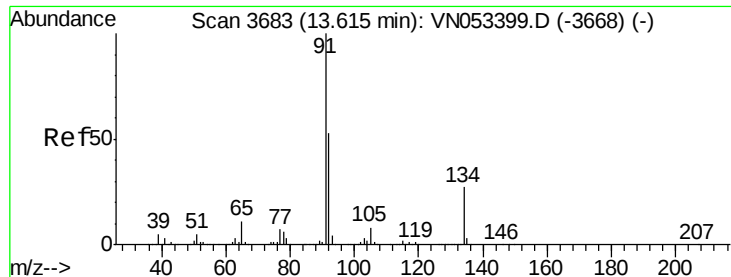


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 20.243 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Instrument :

MSVOA_N

ClientSampled :

VN0123WBSD01

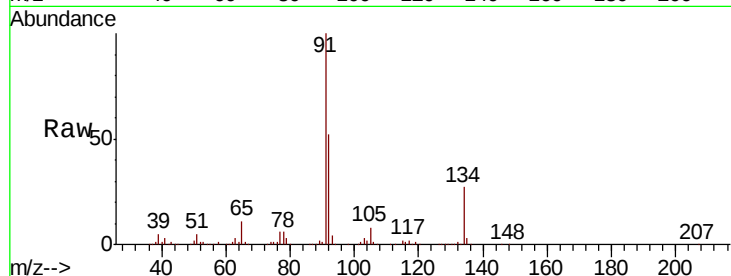
Tgt Ion: 91 Resp: 499873

Ion Ratio Lower Upper

91 100

92 51.8 26.3 78.8

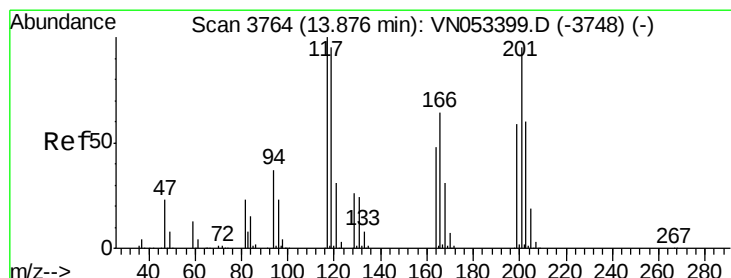
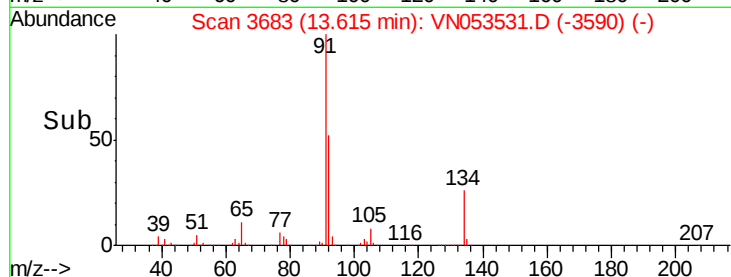
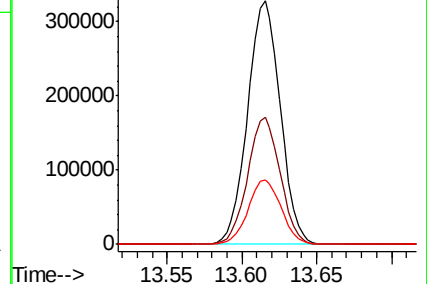
134 26.7 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VN053399.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN053399.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN053399.D (-3668) (-)



#90

Hexachloroethane

Concen: 20.771 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053531.D

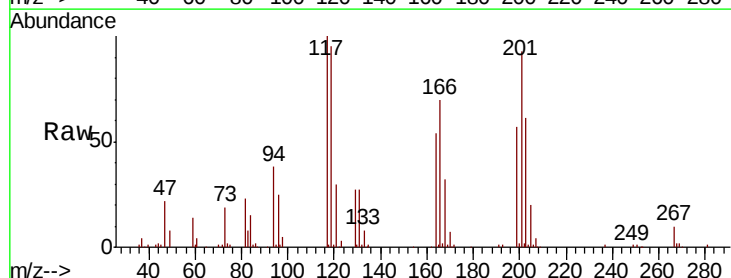
Acq: 23 Jan 2019 12:16

Tgt Ion: 117 Resp: 94367

Ion Ratio Lower Upper

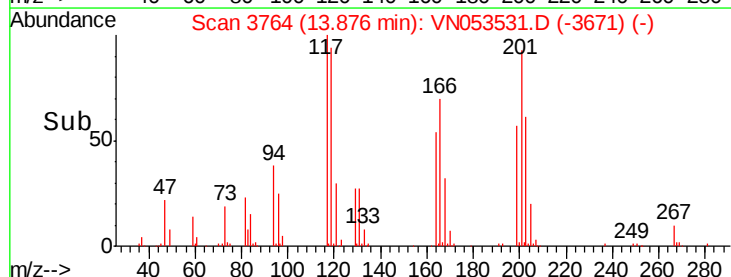
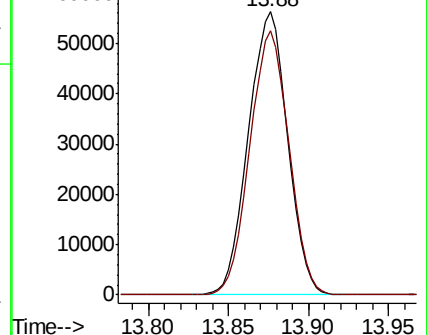
117 100

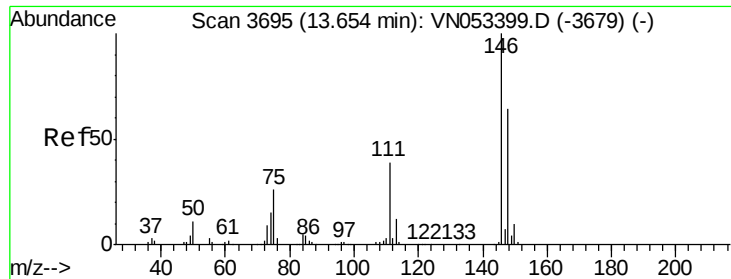
201 92.7 46.8 140.4



Abundance Ion 116.80 (116.50 to 117.50): VN053399.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN053399.D (-3748) (-)





#91

1,2-Dichlorobenzene

Concen: 22.047 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0123WBSD01

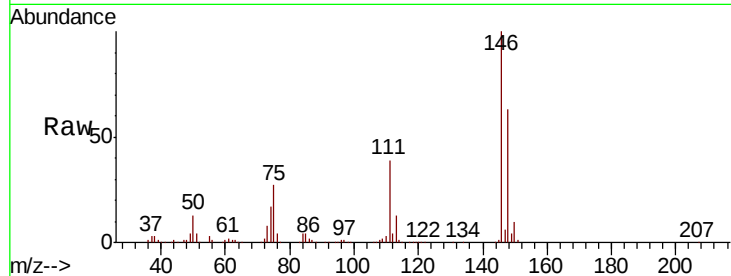
Tgt Ion:146 Resp: 318268

Ion Ratio Lower Upper

146 100

111 38.7 19.5 58.5

148 63.9 31.9 95.9

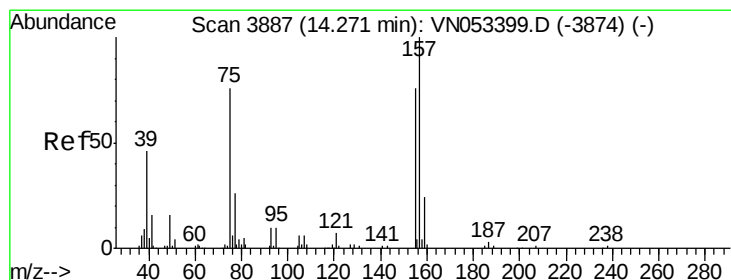
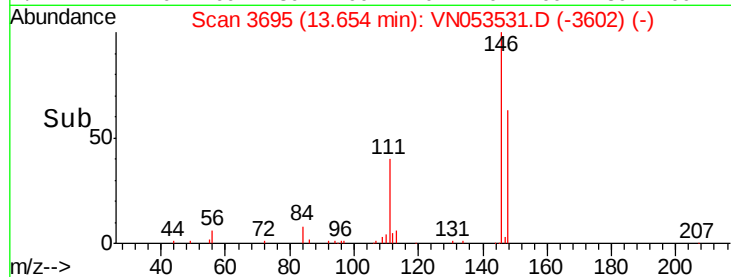
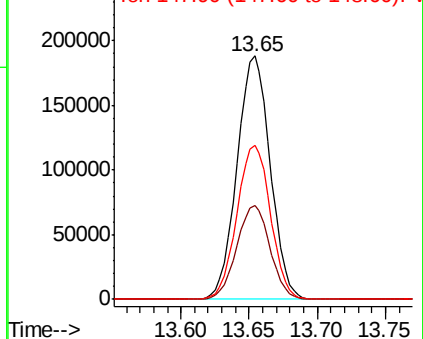


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 27.047 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

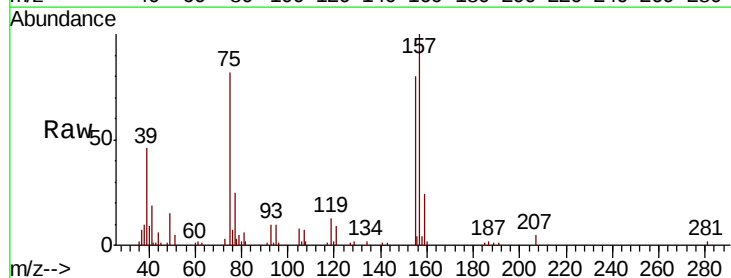
Tgt Ion: 75 Resp: 24349

Ion Ratio Lower Upper

75 100

155 93.8 48.9 146.7

157 120.7 63.7 191.3

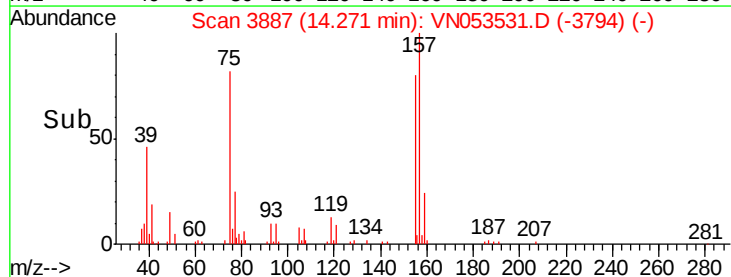
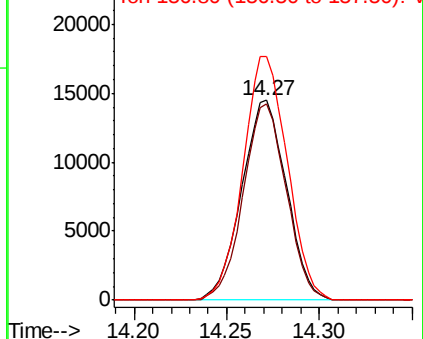


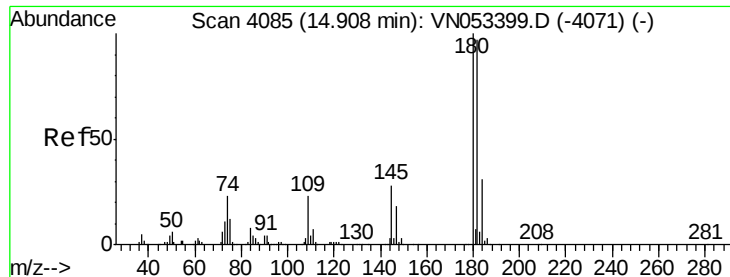
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

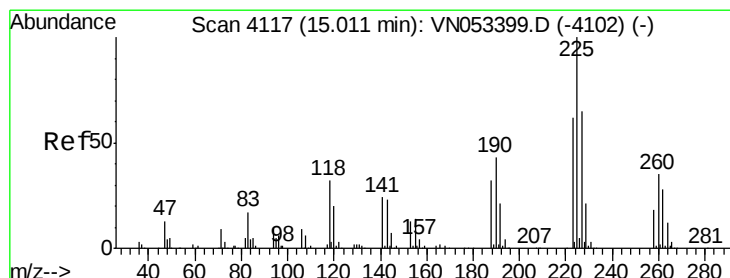
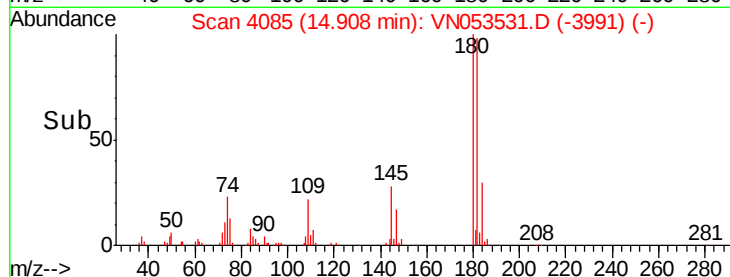
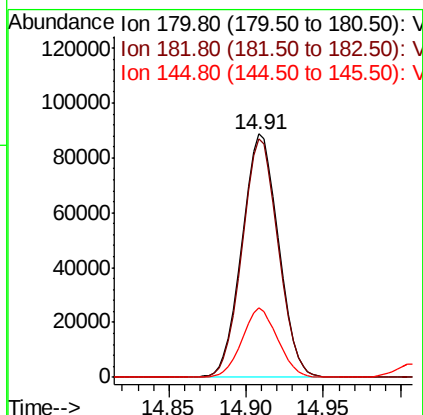
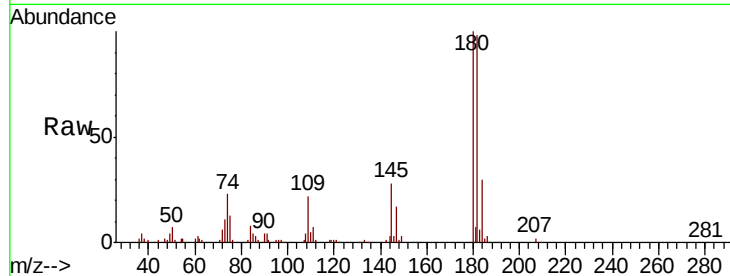




#93
 1,2,4-Trichlorobenzene
 Concen: 24.412 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

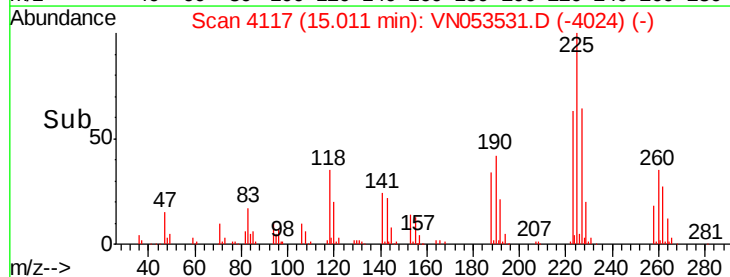
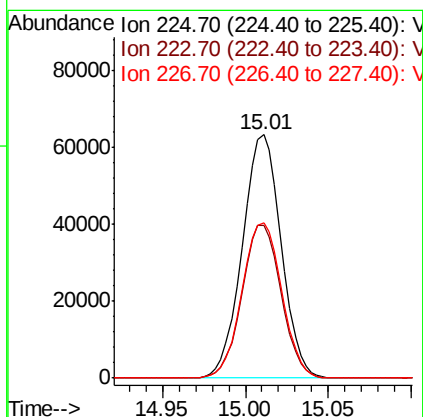
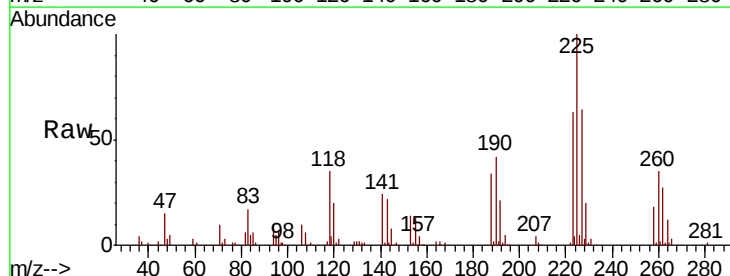
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBSD01

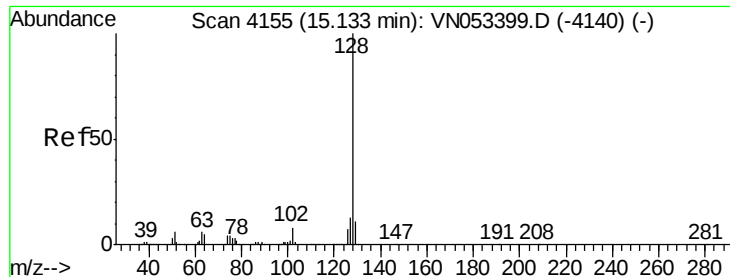
Tgt Ion:180 Resp: 145945
 Ion Ratio Lower Upper
 180 100
 182 96.7 48.1 144.3
 145 27.8 13.9 41.6



#94
 Hexachlorobutadiene
 Concen: 22.915 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

Tgt Ion:225 Resp: 103190
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.1 93.2
 227 65.6 32.0 96.2

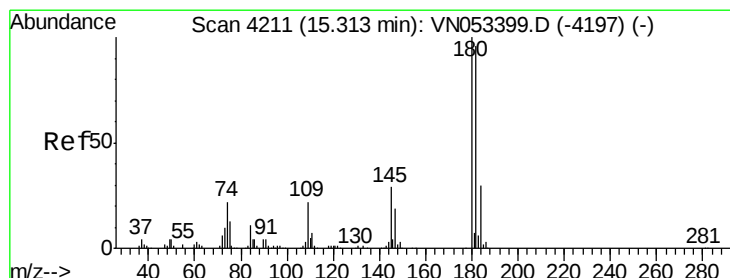
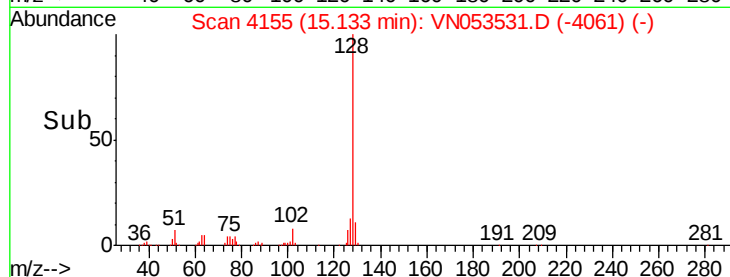
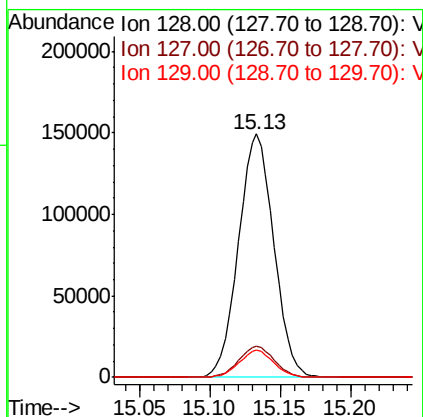
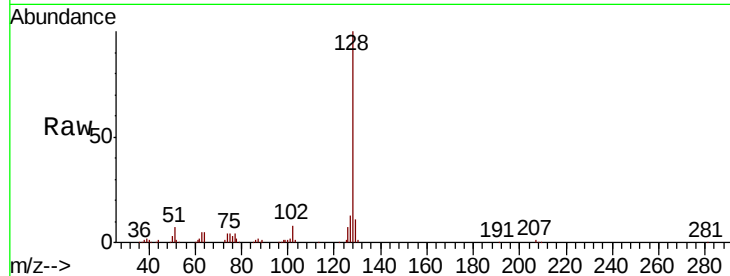




#95
Naphthalene
Concen: 25.522 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBSD01

Tgt Ion:128 Resp: 261822
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 11.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 26.348 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Tgt Ion:180 Resp: 113463
Ion Ratio Lower Upper
180 100
182 94.8 47.9 143.8
145 29.9 14.7 44.1

