

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042619\
 Data File : VN055261.D
 Acq On : 25 Apr 2019 23:29
 Operator : JC/SP
 Sample : VN0426WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0426WBSD01

Quant Time: Apr 26 05:26:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N042619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 26 05:19:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	69933	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	378412	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	319342	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	165218	29.93	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.77%
60) 4-Bromofluorobenzene	12.40	95	145174	29.62	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.73%
63) Toluene-d8	10.09	98	470426	31.01	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.37%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	72257	18.945	ug/l 99
3) Chloromethane	2.06	50	108087	20.264	ug/l 95
4) Vinyl Chloride	2.19	62	88993	20.472	ug/l 98
5) Bromomethane	2.56	94	50074	20.676	ug/l 99
6) Chloroethane	2.70	64	48809	20.155	ug/l 97
7) Trichlorofluoromethane	3.02	101	128404	20.092	ug/l 93
8) Diethyl Ether	3.41	74	50791	19.578	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	3.76	101	78178	19.220	ug/l 98
10) 1,1-Dichloroethene	3.74	96	75437	19.920	ug/l 96
11) Methyl Iodide	3.96	142	113734	19.098	ug/l 99
12) Methyl Acetate	4.33	43	106519	19.380	ug/l 94
13) Acrolein	3.61	56	22546	92.211	ug/l 96
14) Acrylonitrile	4.99	53	185651	95.095	ug/l 99
15) Acetone	3.82	58	43384	92.243	ug/l 80
16) Carbon Disulfide	4.06	76	199266	19.360	ug/l 99
17) Allyl chloride	4.33	41	160669	19.702	ug/l 99
18) Methylene Chloride	4.55	84	93075	19.798	ug/l 94
19) trans-1,2-Dichloroethene	5.05	96	83499	20.238	ug/l 97
20) Diisopropyl ether	5.96	45	333861	20.081	ug/l 98
21) 1,1-Dichloroethane	5.85	63	173930	20.131	ug/l 97
22) cis-1,2-Dichloroethene	6.83	96	96009	20.087	ug/l 96
23) tert-Butyl Alcohol	4.79	59	19983	50.136	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	241308	19.555	ug/l 99
25) Chloroform	7.37	83	163614	20.153	ug/l 96
26) Cyclohexane	7.65	56	145189	19.349	ug/l # 97
29) 1,1-Dichloropropene	7.80	75	117371	19.571	ug/l 99
30) 2-Butanone	6.84	43	221029	90.943	ug/l 99
31) 2,2-Dichloropropane	6.83	77	96828	17.047	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	133966	20.095	ug/l 99
33) Carbon Tetrachloride	7.78	117	111505	20.059	ug/l 97
34) Benzene	8.04	78	364064	20.277	ug/l 98
35) Methacrylonitrile	7.17	41	39505	14.094	ug/l 97
36) 1,2-Dichloroethane	8.13	62	127611	19.924	ug/l 100
37) Trichloroethene	8.83	130	87638	19.340	ug/l 98
38) Methylcyclohexane	9.08	83	118368	18.448	ug/l 99
39) 1,2-Dichloropropane	9.12	63	103366	20.112	ug/l 100
40) Dibromomethane	9.21	93	59284	19.907	ug/l 98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	120620	19.916	ug/l	92
42) Vinyl Acetate	5.90	43	1112937	95.624	ug/l	100
43) Ethyl Acetate	6.93	43	97259	19.310	ug/l	99
44) Isopropyl Acetate	8.17	43	173228	18.690	ug/l	98
45) 1,4-Dioxane	9.20	88	18494	385.010	ug/l	97
46) Methyl methacrylate	9.20	41	80086	18.351	ug/l	99
47) n-amyl Acetate	12.07	43	110506	16.760	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	106740	17.911	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	130576	18.886	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	80788	19.902	ug/l	97
51) Ethyl methacrylate	10.43	69	99678	18.062	ug/l	100
52) 1,3-Dichloropropane	10.71	76	141724	19.718	ug/l	100
53) Dibromochloromethane	10.90	129	80123	19.086	ug/l	99
54) 1,2-Dibromoethane	11.00	107	76913	19.529	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	138934	83.525	ug/l	99
56) Bromoform	12.13	173	51318	18.652	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	481508	96.582	ug/l	99
59) 2-Hexanone	10.75	43	301422	94.444	ug/l	99
61) Tetrachloroethene	10.63	164	87246	21.054	ug/l	94
62) Toluene	10.16	91	372706	20.628	ug/l	100
64) Chlorobenzene	11.43	112	215633	20.145	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	83478	20.907	ug/l	96
66) Ethyl Benzene	11.51	91	386413	20.122	ug/l	99
67) m/p-Xylenes	11.62	106	285625	40.616	ug/l	99
68) o-Xylene	11.95	106	144673	20.613	ug/l	97
69) Styrene	11.96	104	213012	19.591	ug/l	100
70) Isopropylbenzene	12.25	105	382807	20.720	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	104231	20.470	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	114453	25.929	ug/l	68
73) Bromobenzene	12.53	156	84891	19.330	ug/l	96
74) n-propylbenzene	12.59	91	407204	19.750	ug/l	99
75) 2-Chlorotoluene	12.67	91	256911	20.314	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	300710	19.834	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	20407	17.370	ug/l	97
78) 4-Chlorotoluene	12.77	91	233036	19.383	ug/l	99
79) tert-butylbenzene	12.99	119	261143	19.996	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	279694	19.133	ug/l	97
81) sec-Butylbenzene	13.17	105	338728	19.621	ug/l	99
82) p-Isopropyltoluene	13.29	119	268093	18.721	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	137782	19.341	ug/l	97
84) 1,4-Dichlorobenzene	13.36	146	124965	18.585	ug/l	99
85) n-Butylbenzene	13.61	91	179638	16.452	ug/l	98
86) Hexachloroethane	13.87	117	47651	19.506	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	139464	19.564	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	12543	16.829	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	41126	14.580	ug/l	99
90) Hexachlorobutadiene	15.01	225	43043	18.023	ug/l	98
91) Naphthalene	15.13	128	88249	13.540	ug/l	98
92) 1,2,3-Trichlorobenzene	15.31	180	43960	14.938	ug/l	95

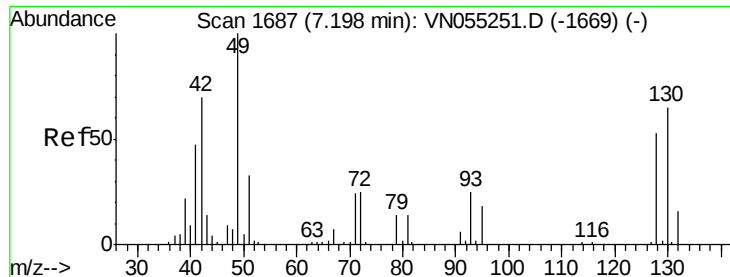
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042619\
Data File : VN055261.D
Acq On : 25 Apr 2019 23:29
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Quant Time: Apr 26 05:26:23 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :
MSVOA_N
ClientSampleId :
VN0426WBSD01

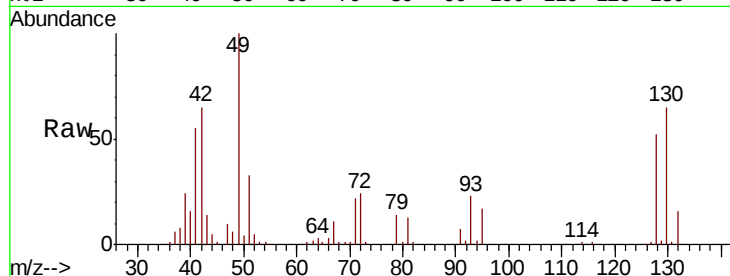
Tot Ion:128 Resp: 69933

Ion Ratio Lower Upper

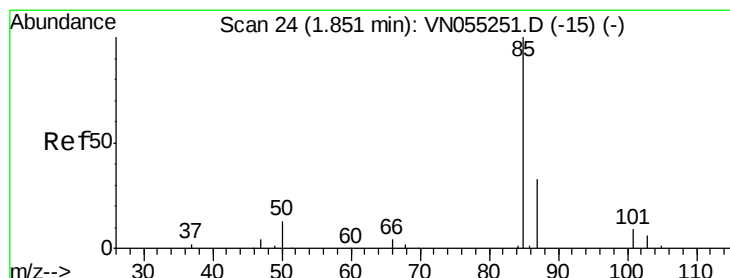
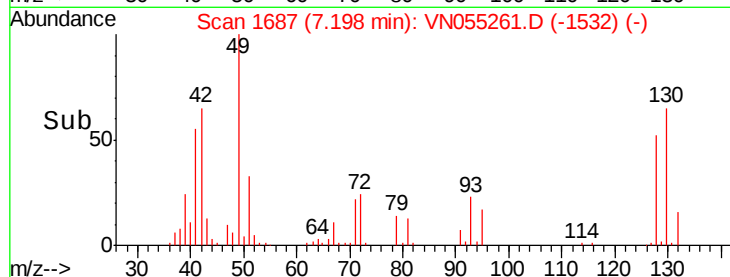
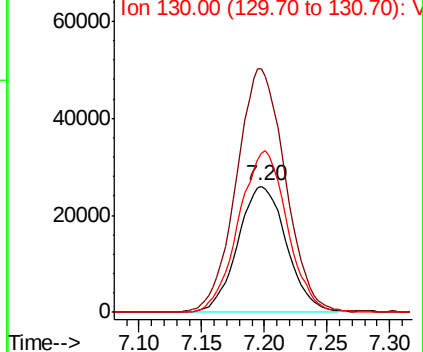
128 100

49 195.0 0.0 485.0

130 128.7 0.0 324.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 18.945 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055261.D

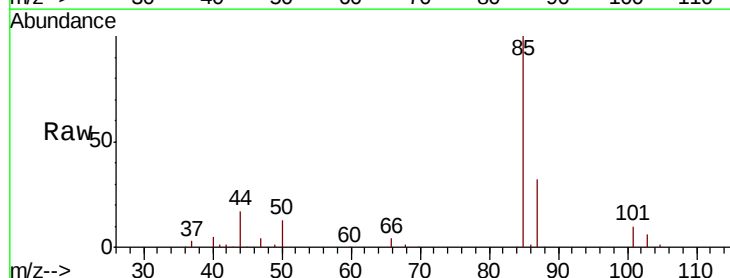
Acq: 25 Apr 2019 23:29

Tgt Ion: 85 Resp: 72257

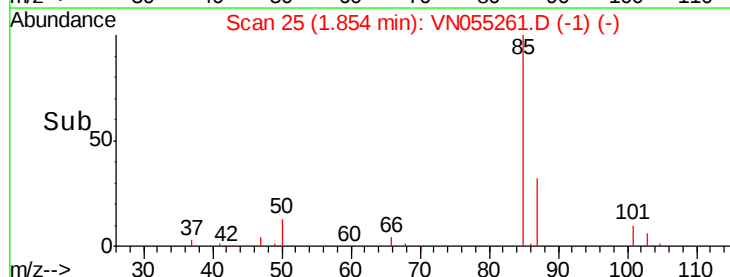
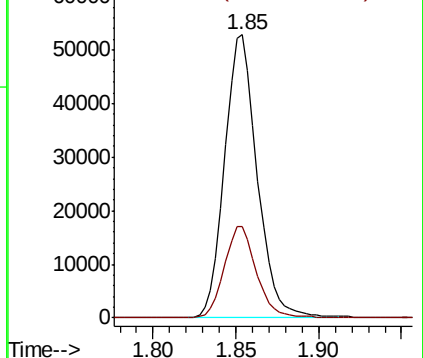
Ion Ratio Lower Upper

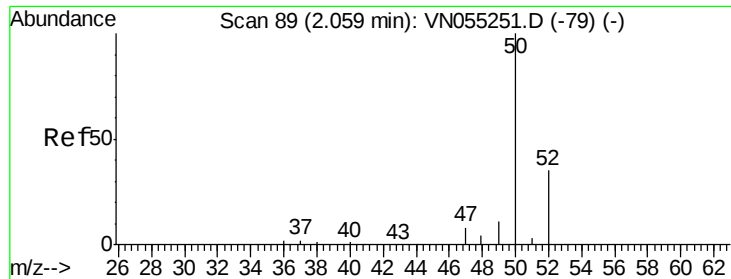
85 100

87 32.3 16.6 49.7



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 20.264 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

ClientSampleId :

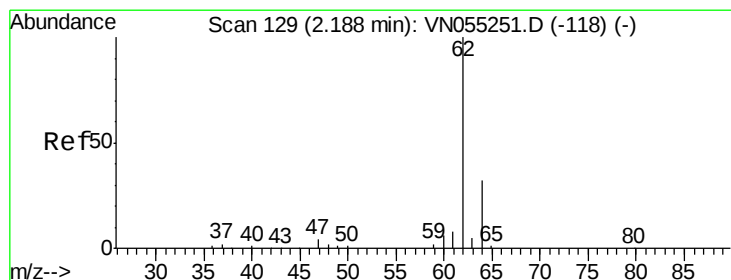
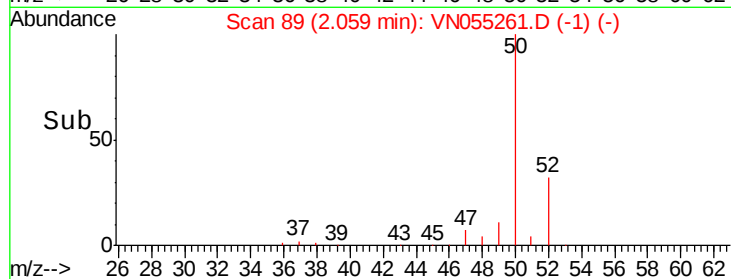
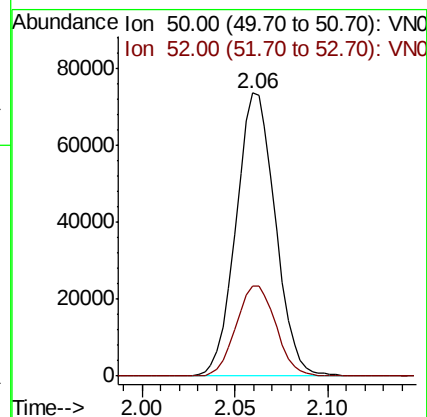
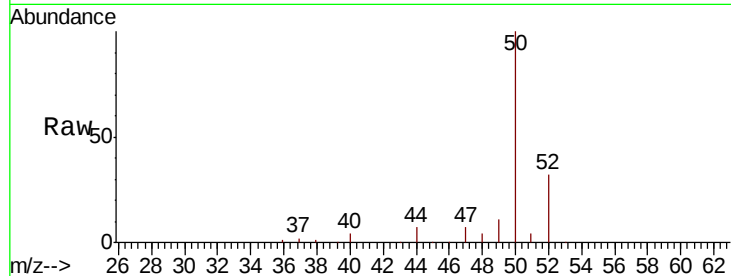
VN0426WBSD01

Tot Ion: 50 Resp: 108087

Ion Ratio Lower Upper

50 100

52 31.8 27.9 41.9



#4

Vinyl Chloride

Concen: 20.472 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055261.D

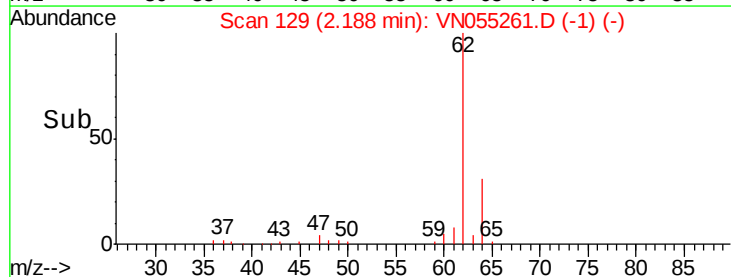
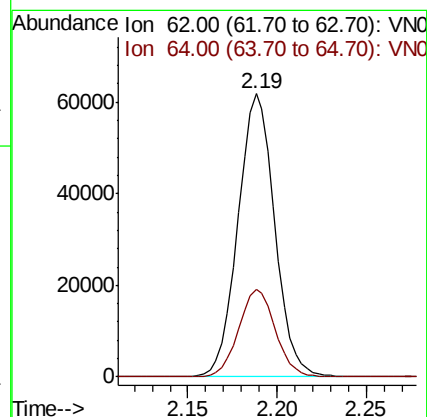
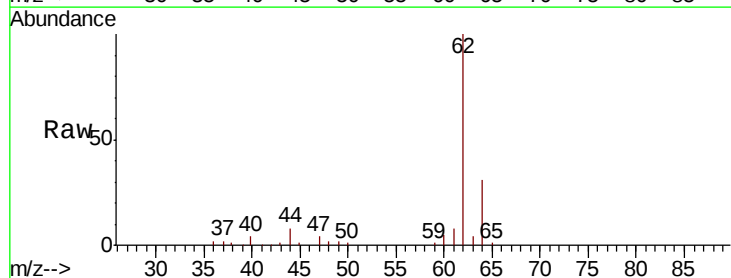
Acq: 25 Apr 2019 23:29

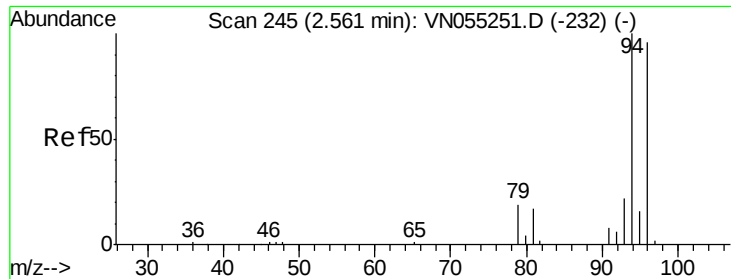
Tgt Ion: 62 Resp: 88993

Ion Ratio Lower Upper

62 100

64 31.0 25.6 38.4





#5

Bromomethane

Concen: 20.676 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

ClientSampleId :

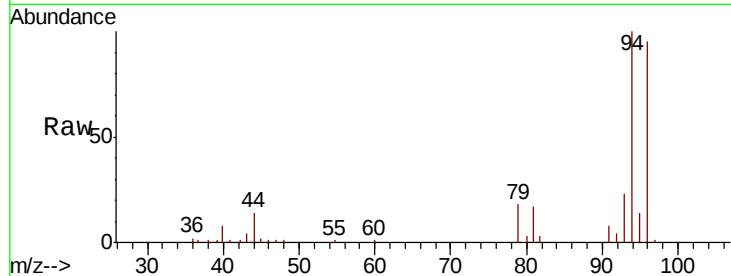
VN0426WBSD01

Tot Ion: 94 Resp: 50074

Ion Ratio Lower Upper

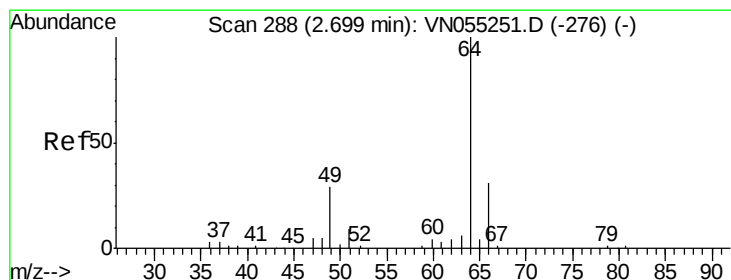
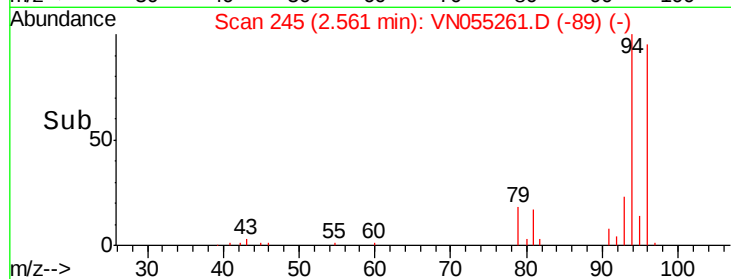
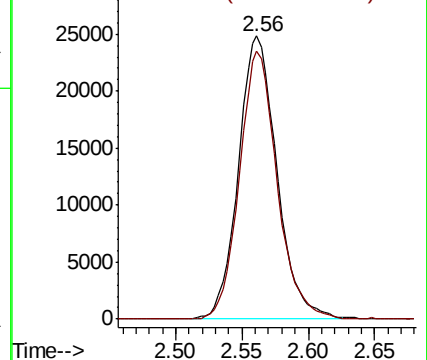
94 100

96 94.8 77.0 115.6



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.155 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN055261.D

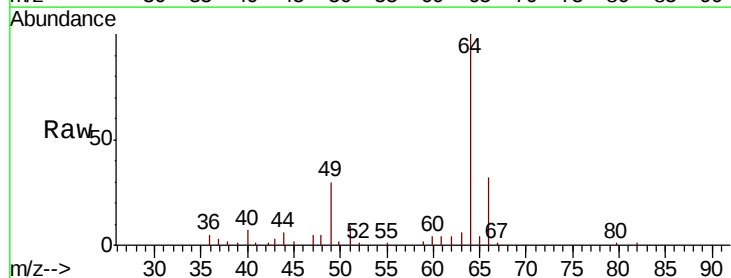
Acq: 25 Apr 2019 23:29

Tgt Ion: 64 Resp: 48809

Ion Ratio Lower Upper

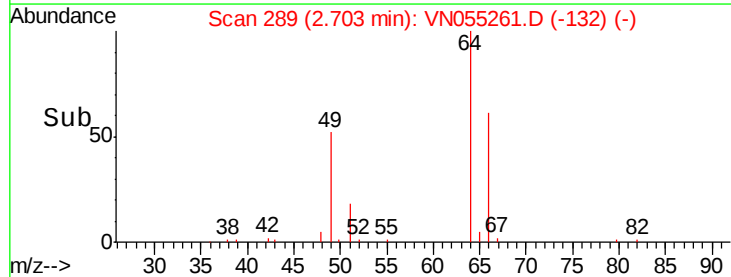
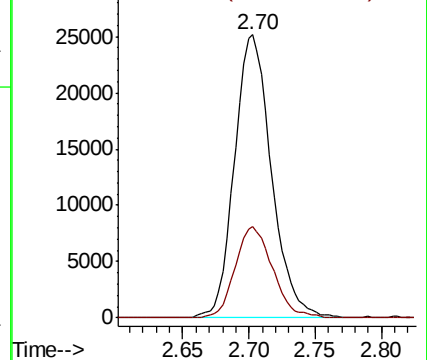
64 100

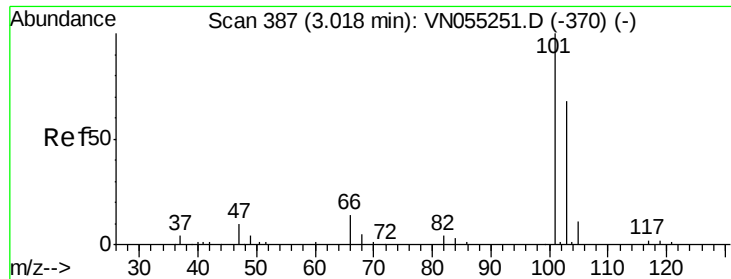
66 32.1 24.6 36.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



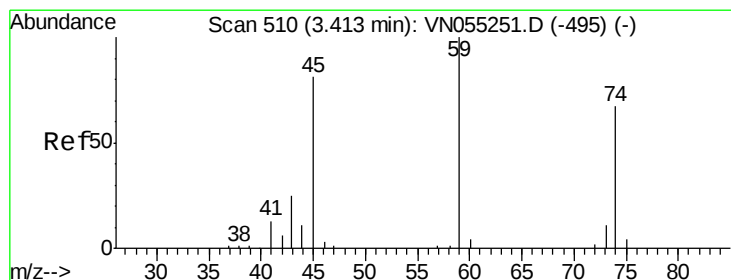
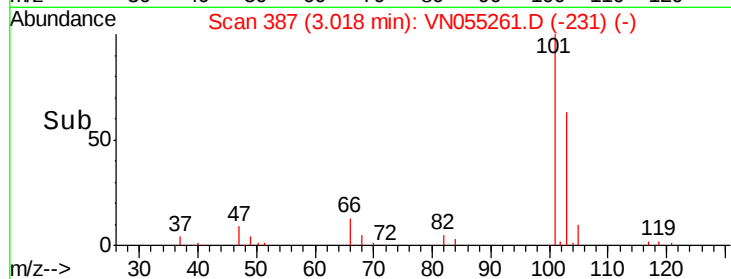
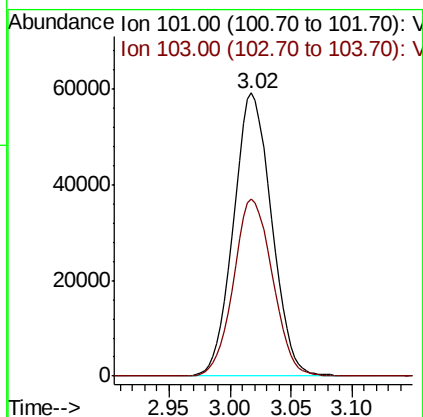
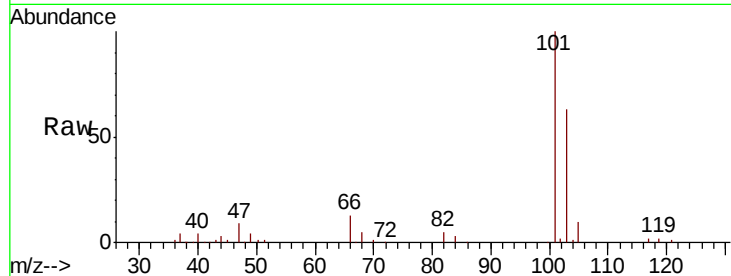


#7

Trichlorofluoromethane
 Concen: 20.092 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN055261.D
 Acq: 25 Apr 2019 23:29

Instrument :
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 VN0426WBSD01

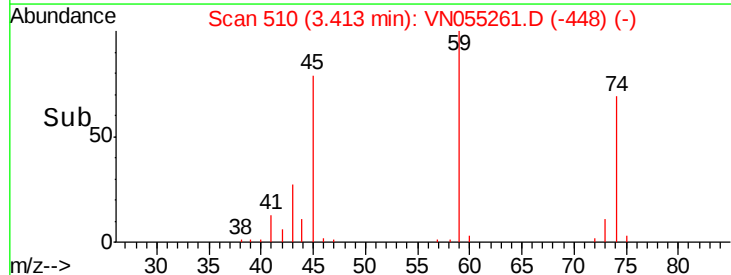
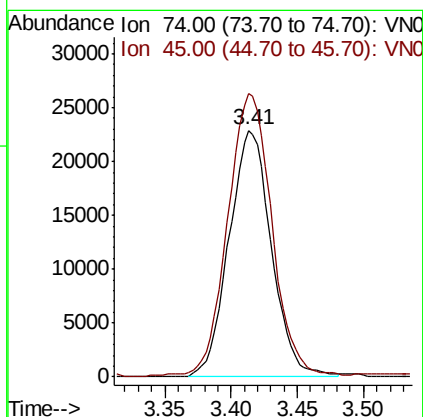
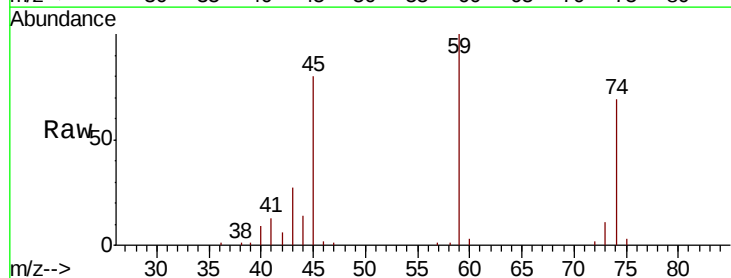
Tot Ion:101 Resp: 128404
 Ion Ratio Lower Upper
 101 100
 103 62.6 54.6 81.8

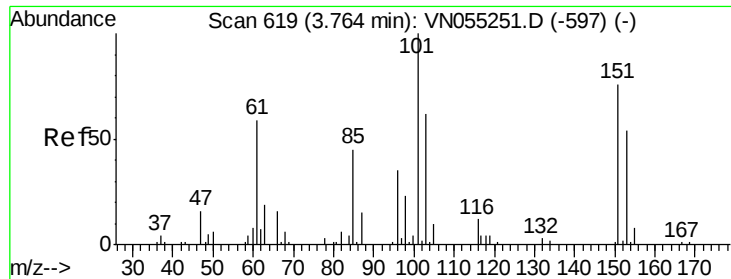


#8

Diethyl Ether
 Concen: 19.578 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN055261.D
 Acq: 25 Apr 2019 23:29

Tgt Ion: 74 Resp: 50791
 Ion Ratio Lower Upper
 74 100
 45 117.7 25.1 225.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.220 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

ClientSampleId :

VN0426WBSD01

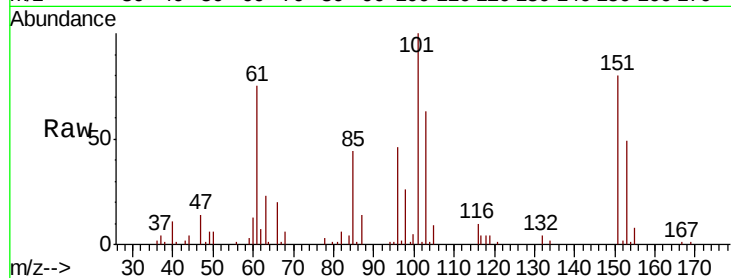
Tot Ion:101 Resp: 78178

Ion Ratio Lower Upper

101 100

85 45.2 0.0 89.0

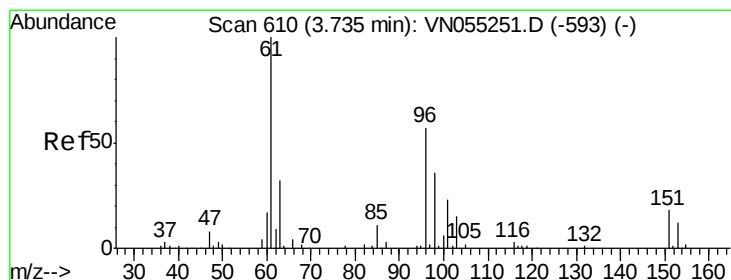
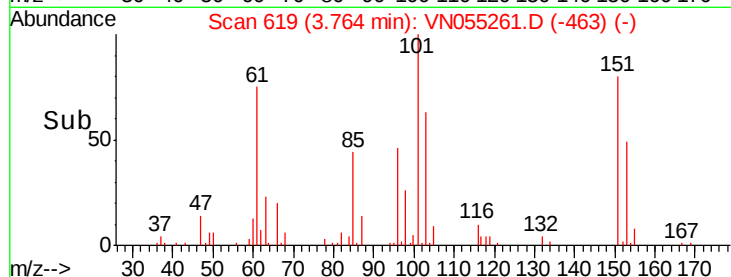
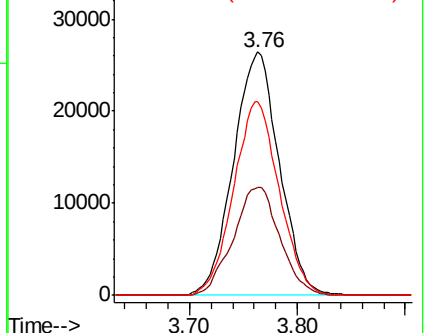
151 79.1 0.0 154.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.920 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

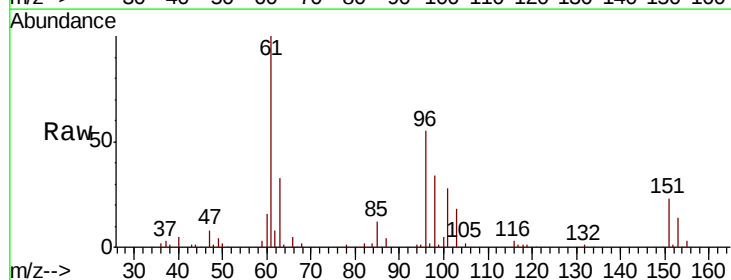
Tgt Ion: 96 Resp: 75437

Ion Ratio Lower Upper

96 100

61 180.8 139.9 209.9

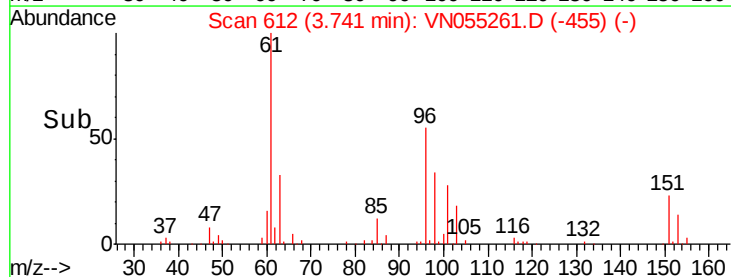
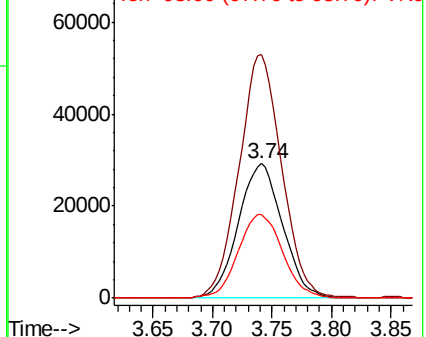
98 61.8 50.8 76.2

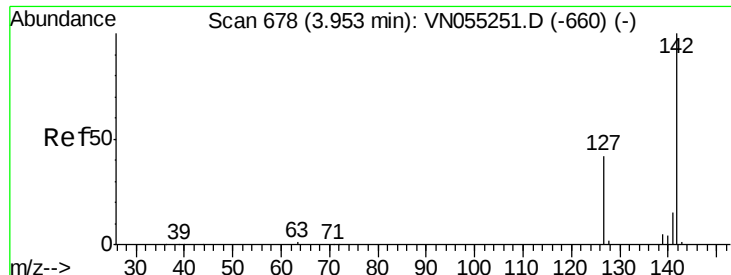


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

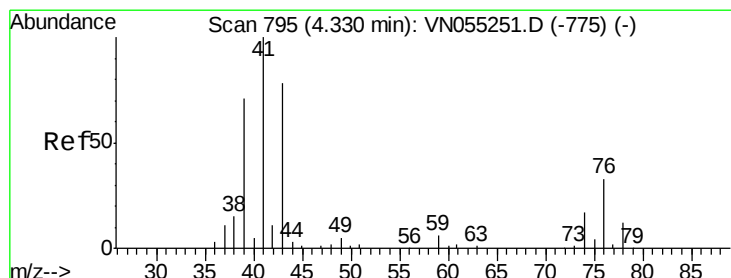
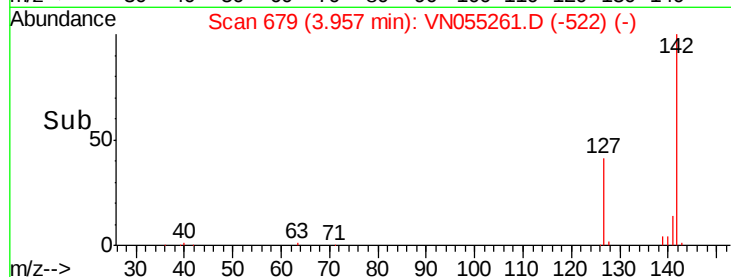
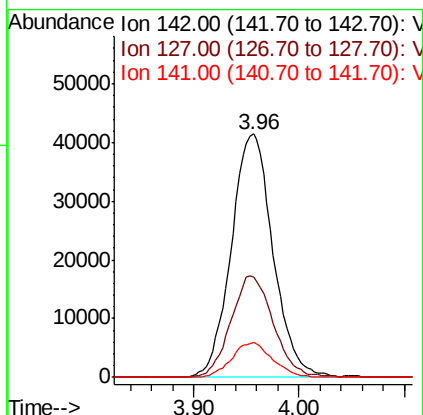
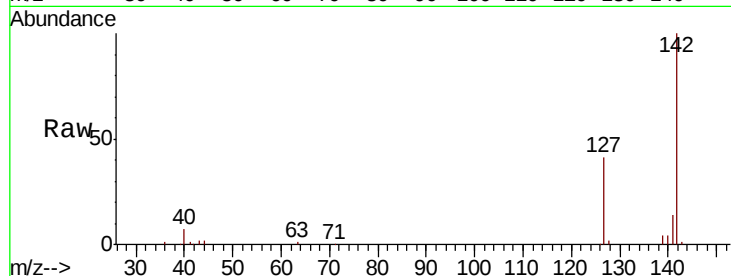




#11
Methyl Iodide
Concen: 19.098 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

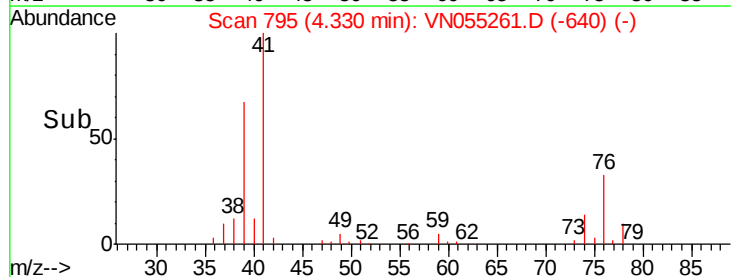
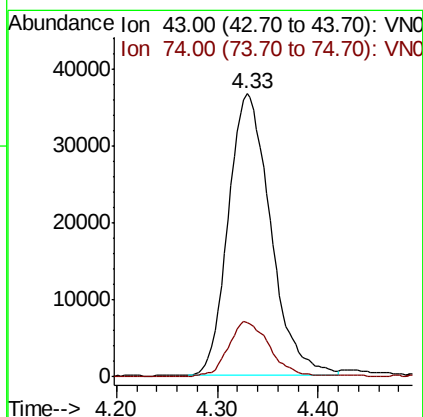
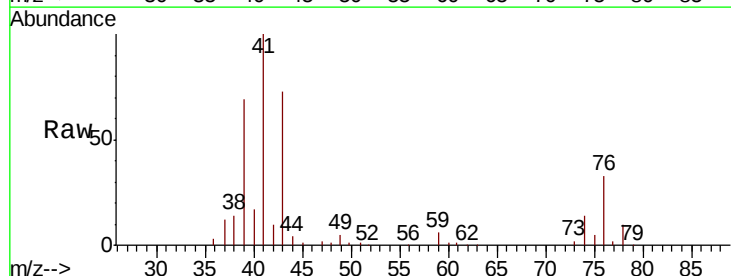
Instrument :
MSVOA_N
ClientSampled :
VN0426WBSD01

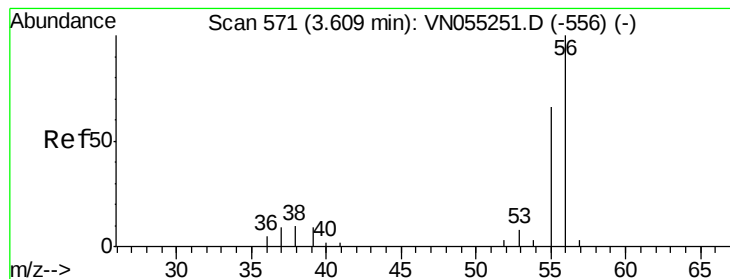
Tot Ion:142 Resp: 113734
Ion Ratio Lower Upper
142 100
127 41.3 20.9 62.7
141 14.3 7.6 22.8



#12
Methyl Acetate
Concen: 19.380 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

Tgt Ion: 43 Resp: 106519
Ion Ratio Lower Upper
43 100
74 19.3 17.7 26.5





#13

Acrolein

Concen: 92.211 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

ClientSampleId :

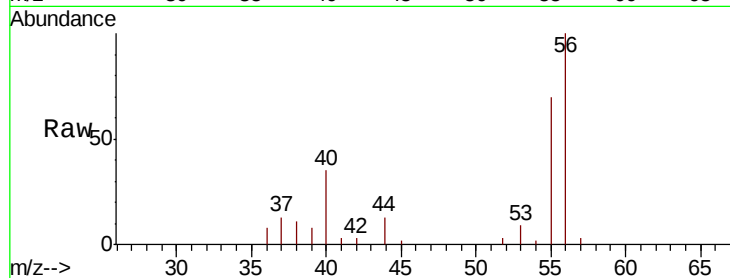
VN0426WBSD01

Tot Ion: 56 Resp: 22546

Ion Ratio Lower Upper

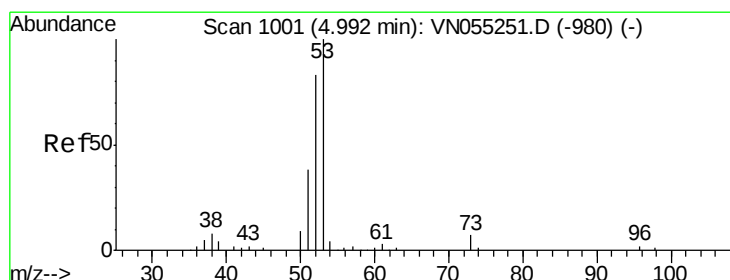
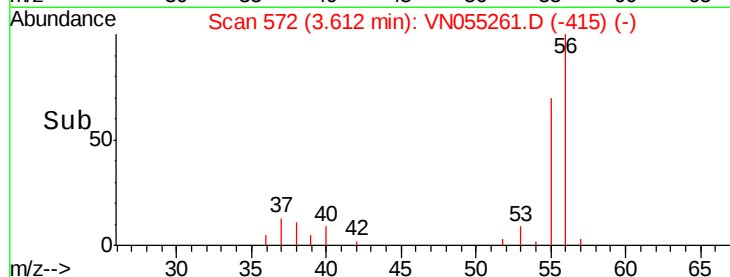
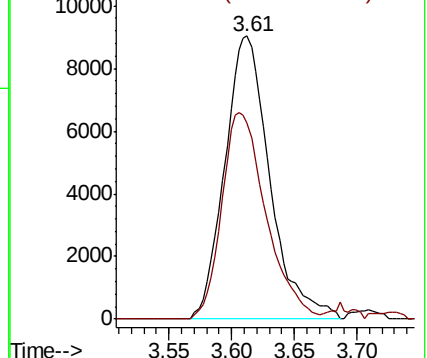
56 100

55 71.6 54.9 82.3



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 95.095 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

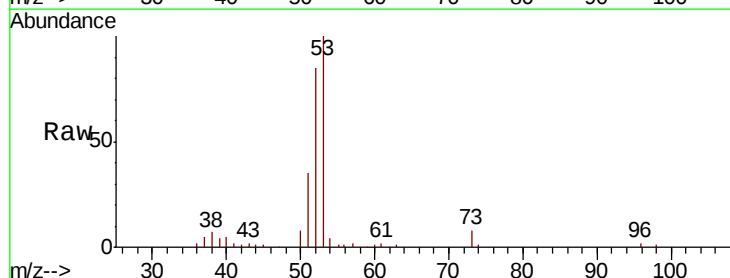
Tgt Ion: 53 Resp: 185651

Ion Ratio Lower Upper

53 100

52 82.5 41.0 123.2

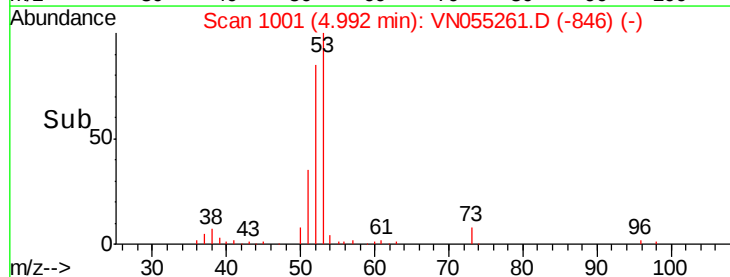
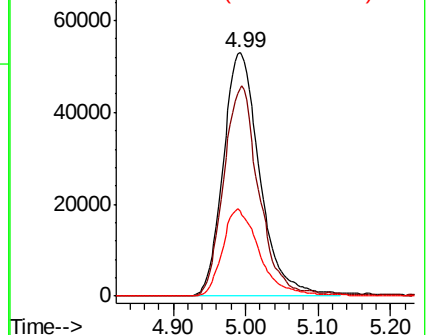
51 35.5 18.1 54.4

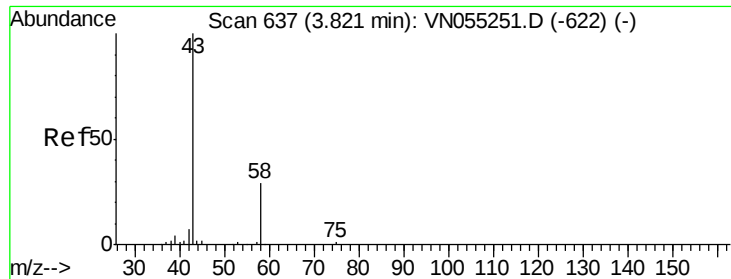


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 92.243 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

ClientSampleId :

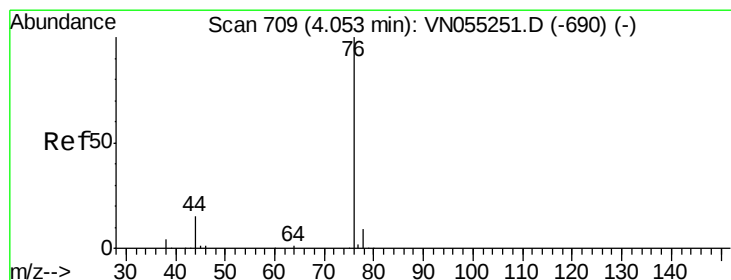
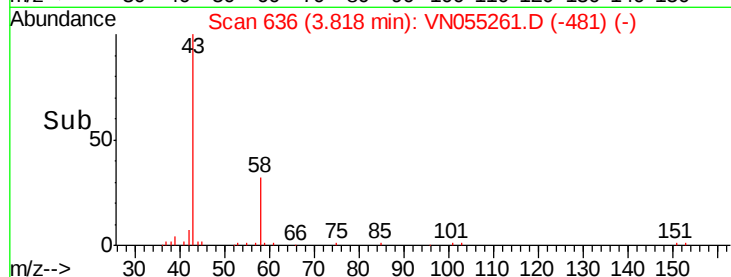
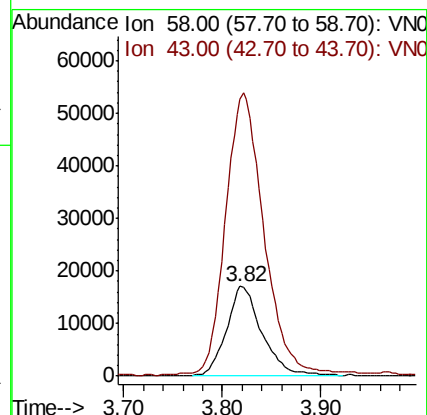
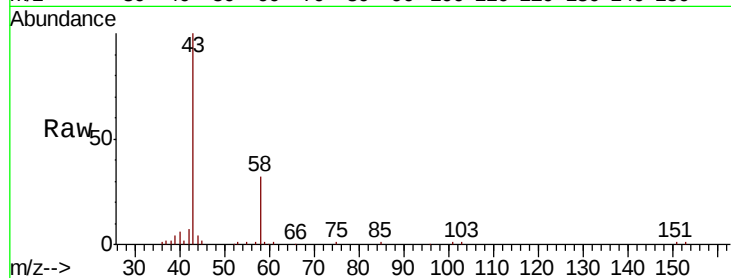
VN0426WBSD01

Tot Ion: 58 Resp: 43384

Ion Ratio Lower Upper

58 100

43 305.2 278.2 417.2



#16

Carbon Disulfide

Concen: 19.360 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN055261.D

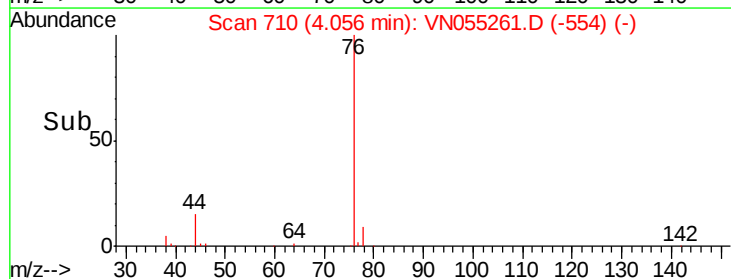
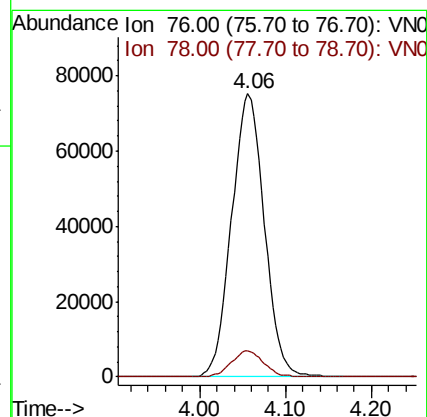
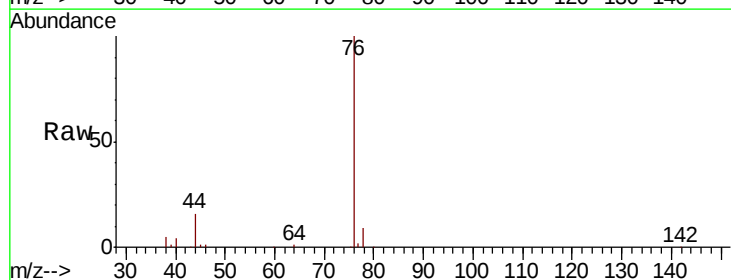
Acq: 25 Apr 2019 23:29

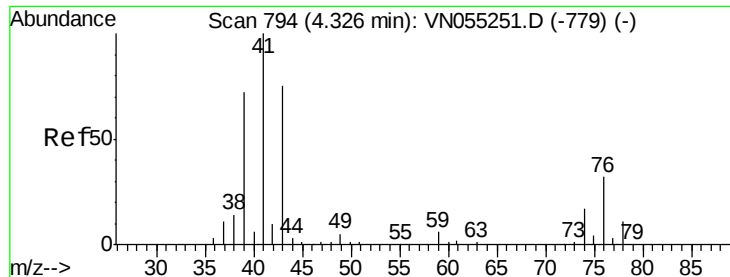
Tgt Ion: 76 Resp: 199266

Ion Ratio Lower Upper

76 100

78 9.0 6.8 10.2

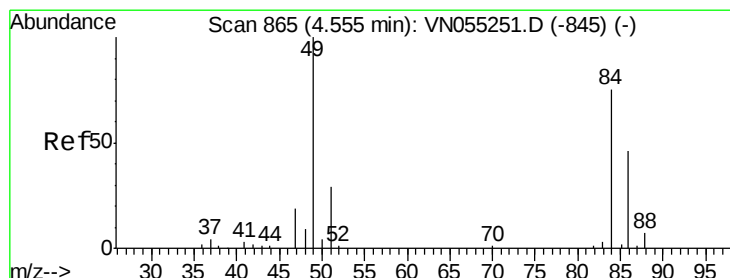
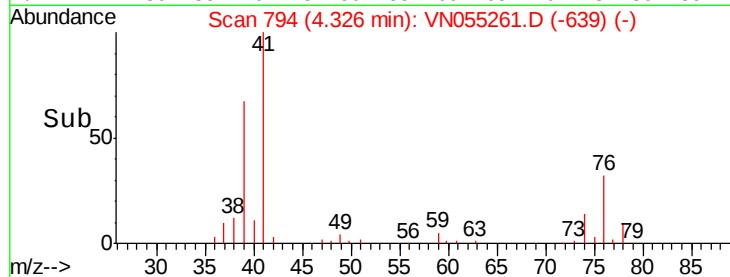
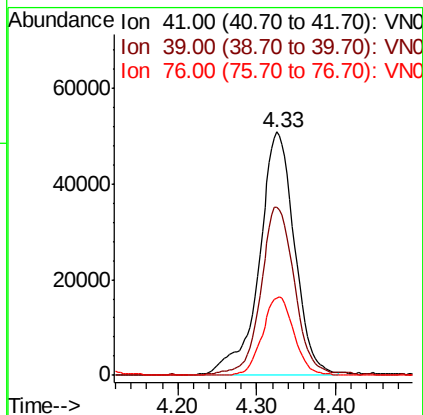
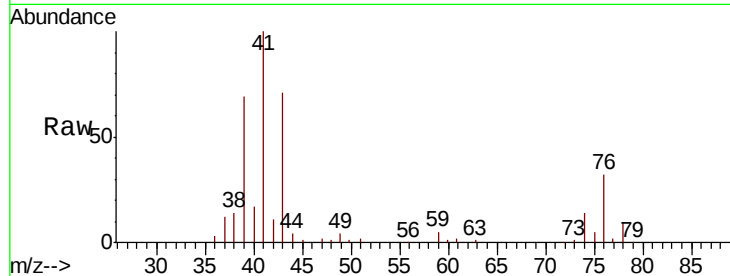




#17
Allvl chloride
Concen: 19.702 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

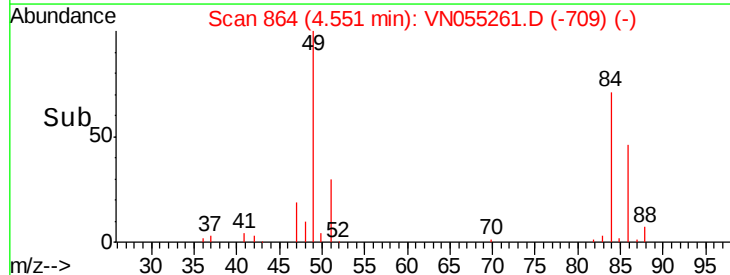
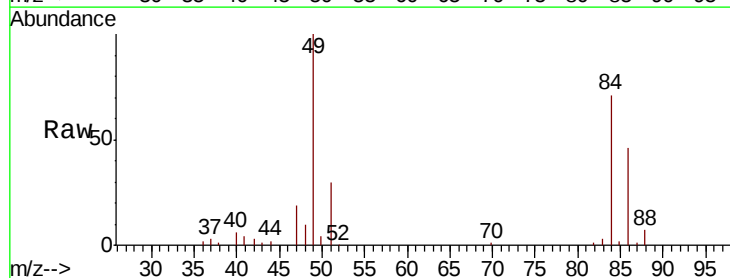
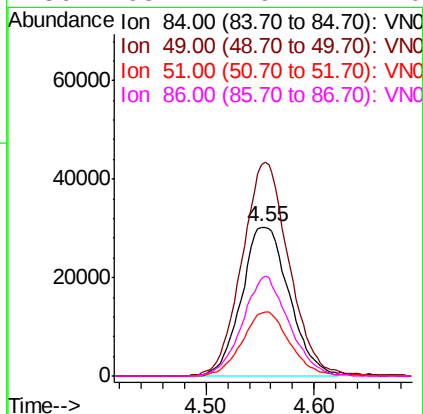
Instrument :
MSVOA_N
ClientSampleId :
VN0426WBSD01

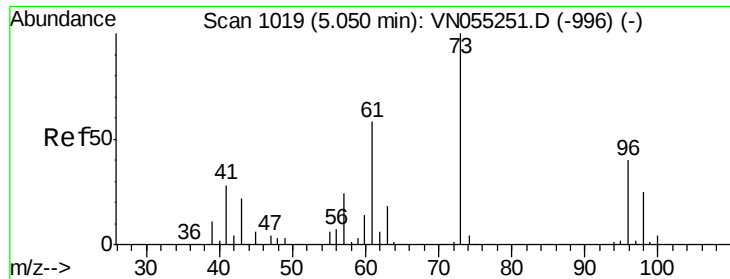
Tot Ion: 41 Resp: 160669
Ion Ratio Lower Upper
41 100
39 69.1 34.4 103.2
76 31.8 15.3 45.9



#18
Methylene Chloride
Concen: 19.798 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

Tgt Ion: 84 Resp: 93075
Ion Ratio Lower Upper
84 100
49 141.8 107.2 160.8
51 42.6 31.4 47.2
86 65.2 49.4 74.0

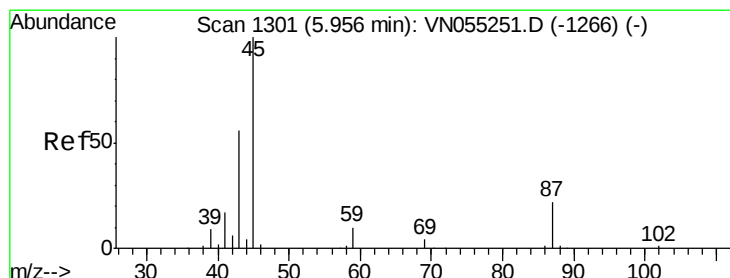
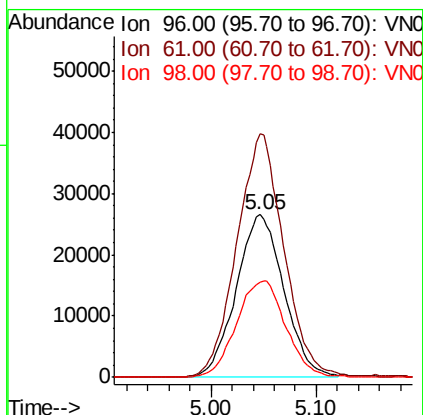
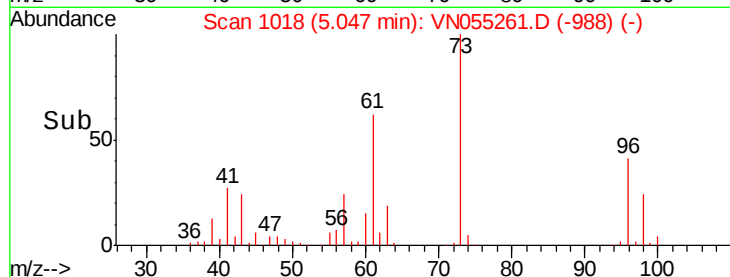
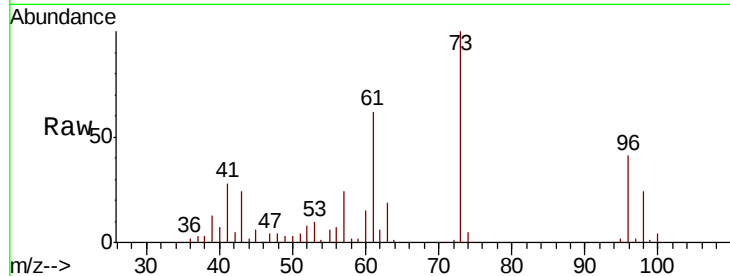




#19
trans-1,2-Dichloroethene
Concen: 20.238 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

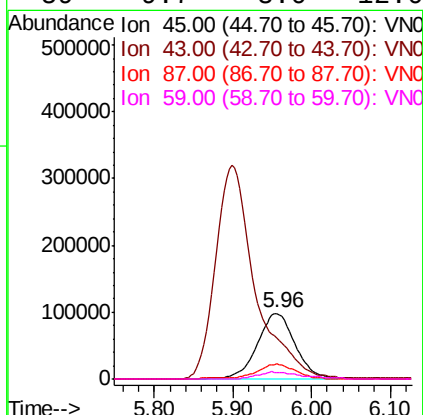
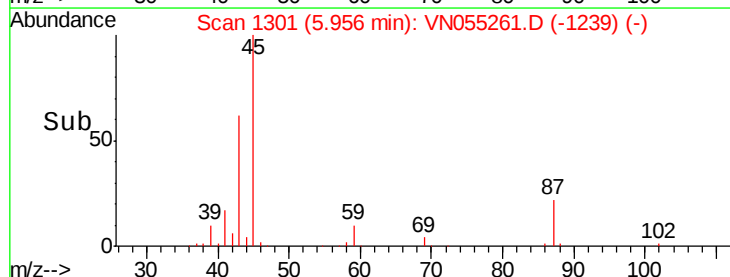
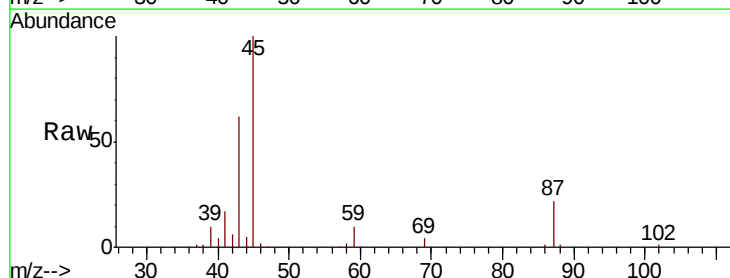
Instrument :
MSVOA_N
ClientSampled :
VN0426WBSD01

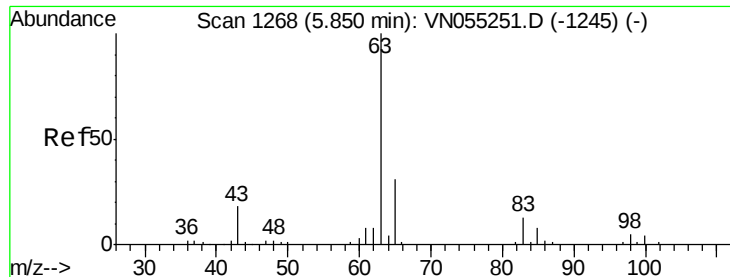
Tot Ion: 96 Resp: 83499
Ion Ratio Lower Upper
96 100
61 148.6 116.3 174.5
98 58.2 49.4 74.2



#20
Diisopropyl ether
Concen: 20.081 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

Tgt Ion: 45 Resp: 333861
Ion Ratio Lower Upper
45 100
43 59.5 46.1 69.1
87 22.2 18.3 27.5
59 9.7 8.0 12.0

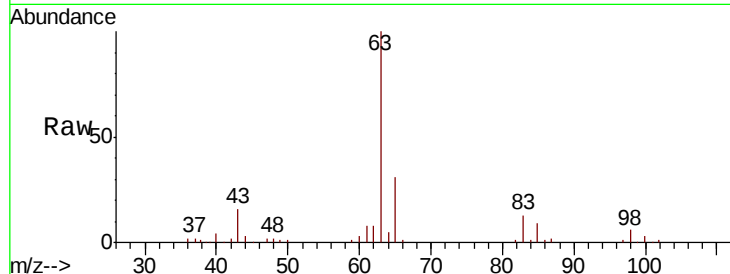




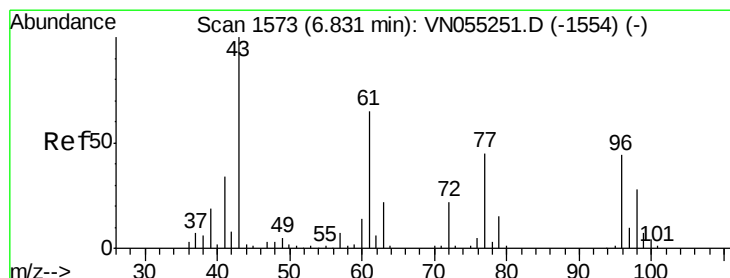
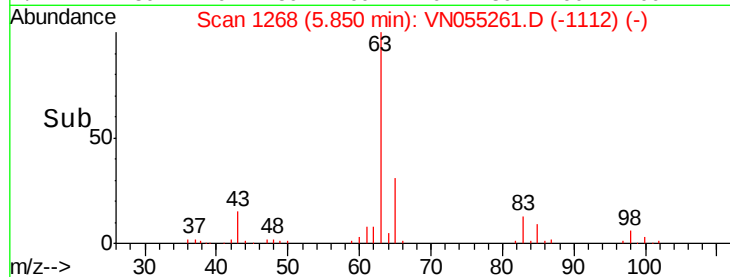
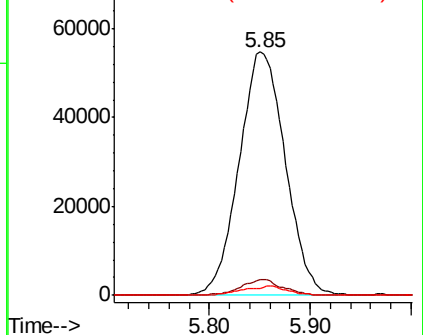
#21
 1,1-Dichloroethane
 Concen: 20.131 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN055261.D
 Acq: 25 Apr 2019 23:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0426WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.4	2.8	8.3
100	3.0	2.0	5.8

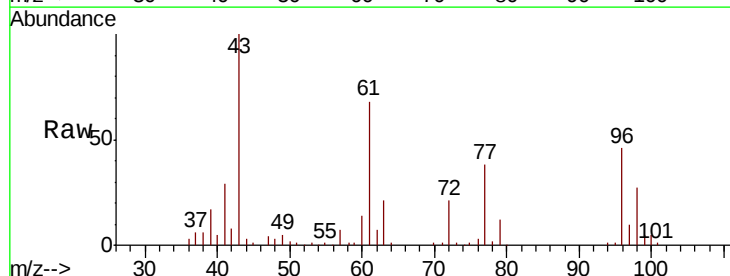


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

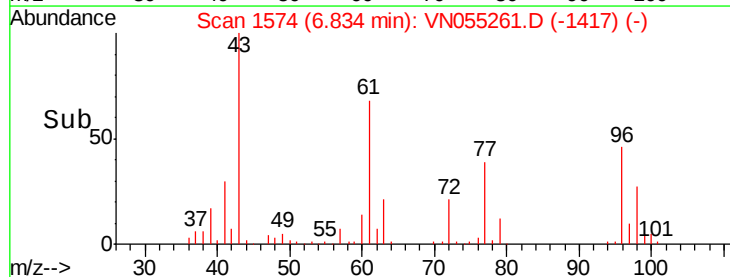
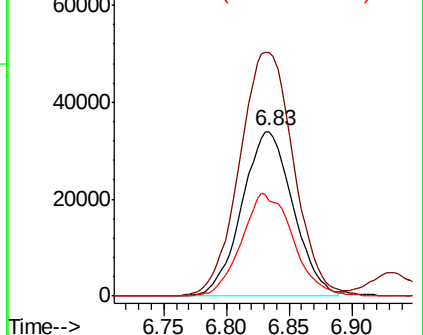


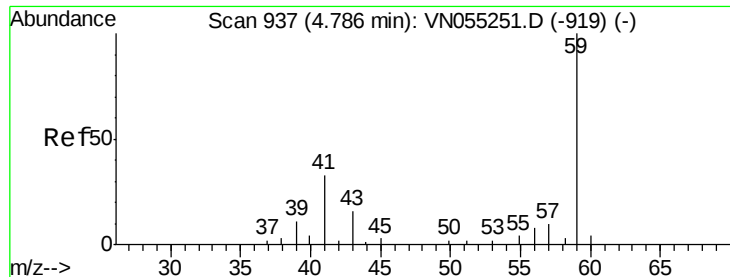
#22
 cis-1,2-Dichloroethene
 Concen: 20.087 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN055261.D
 Acq: 25 Apr 2019 23:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.4	129.1	193.7
98	63.1	53.2	79.8



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0



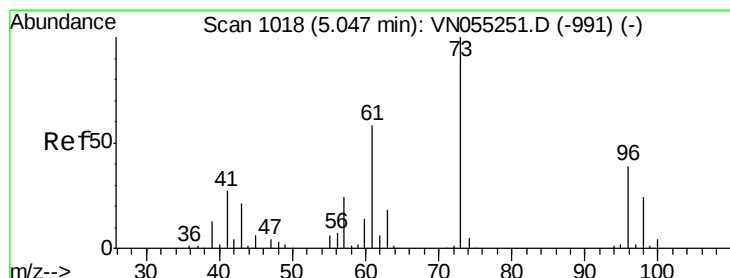
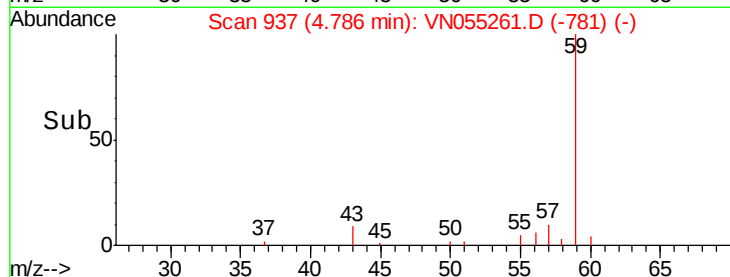
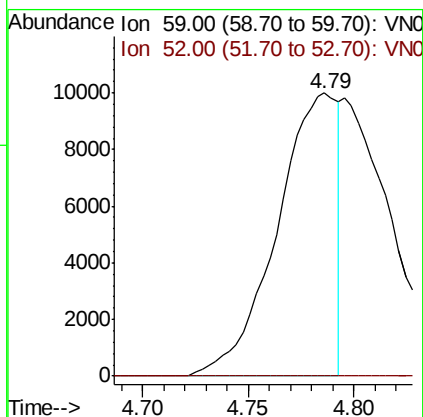
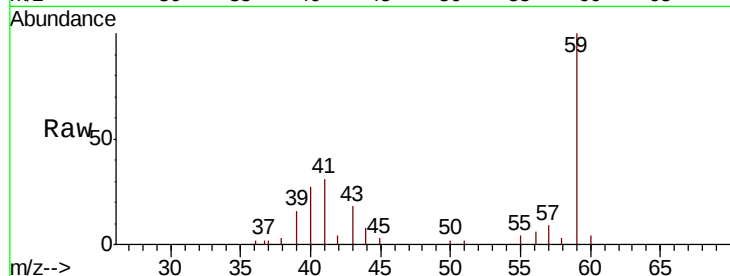


#23

tert-Butyl Alcohol
 Concen: 50.136 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VN055261.D
 Acq: 25 Apr 2019 23:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0426WBSD01

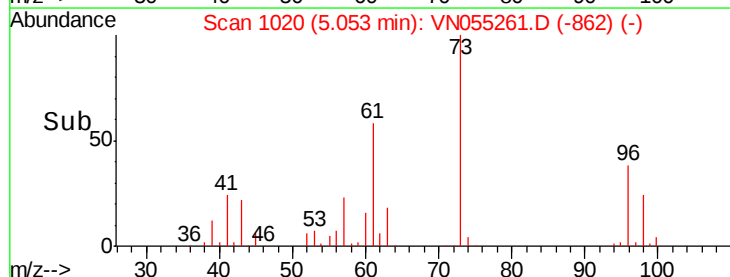
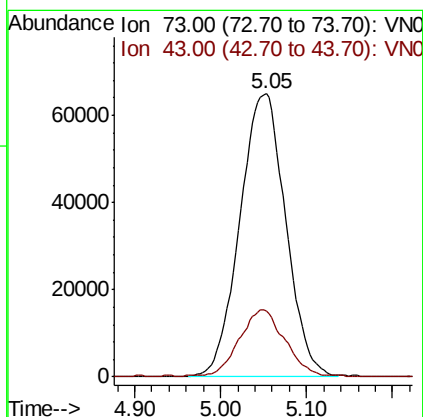
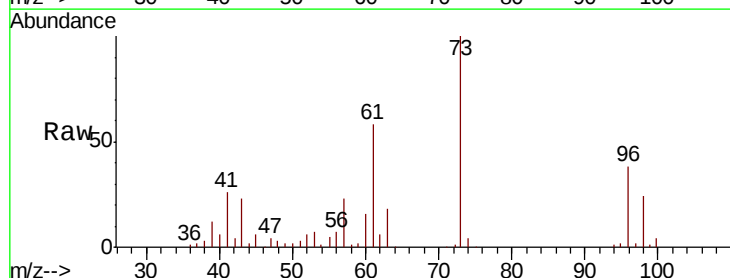
Tot Ion: 59 Resp: 19983
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

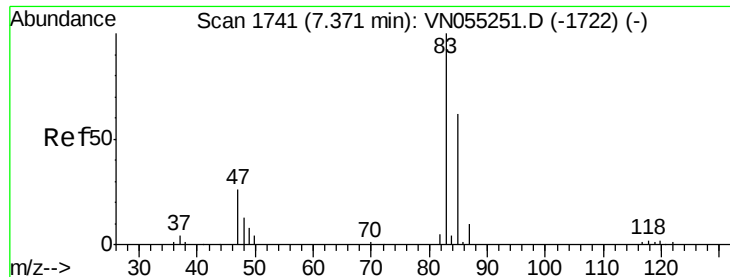


#24

Methyl tert-Butyl Ether
 Concen: 19.555 ug/l
 RT: 5.05 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VN055261.D
 Acq: 25 Apr 2019 23:29

Tgt Ion: 73 Resp: 241308
 Ion Ratio Lower Upper
 73 100
 43 23.1 17.9 26.9

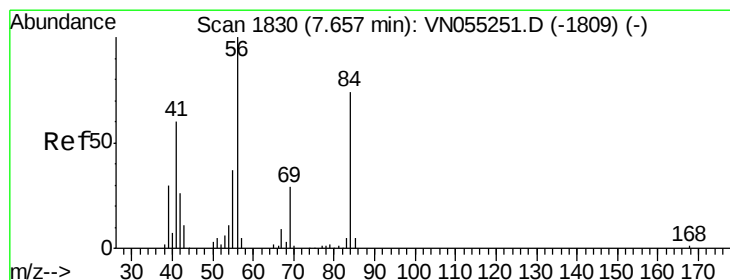
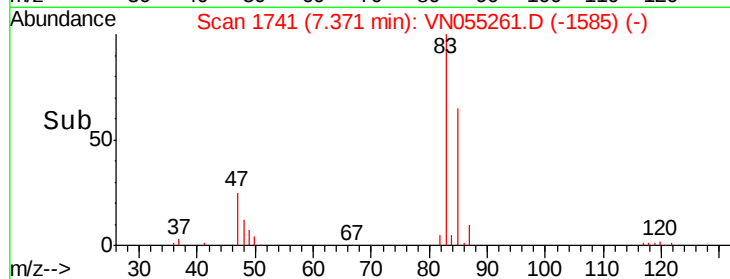
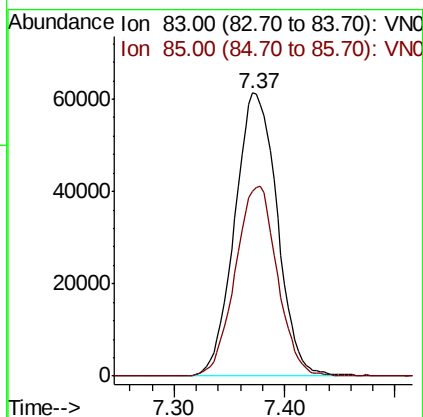
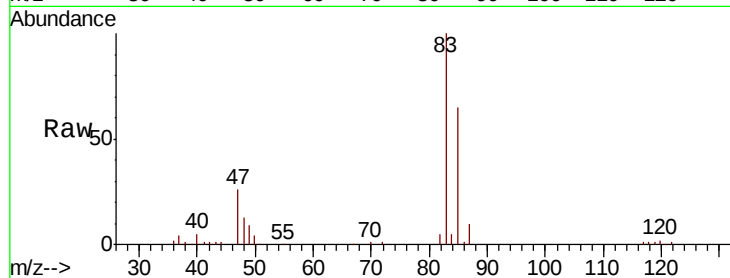




#25
Chloroform
Concen: 20.153 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

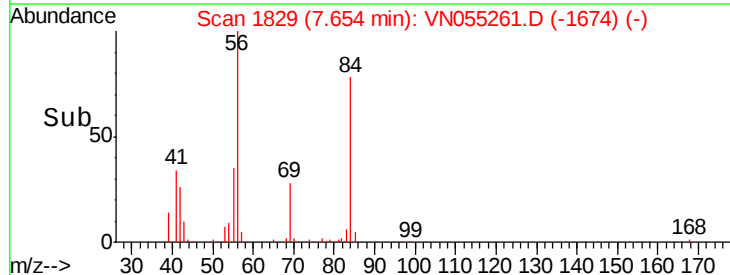
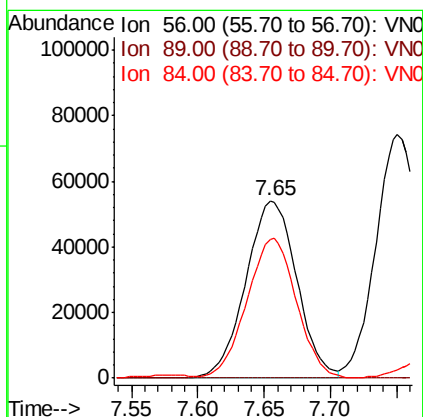
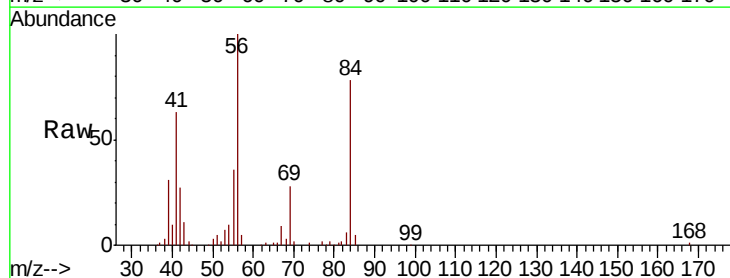
Instrument :
MSVOA_N
ClientSampleId :
VN0426WBSD01

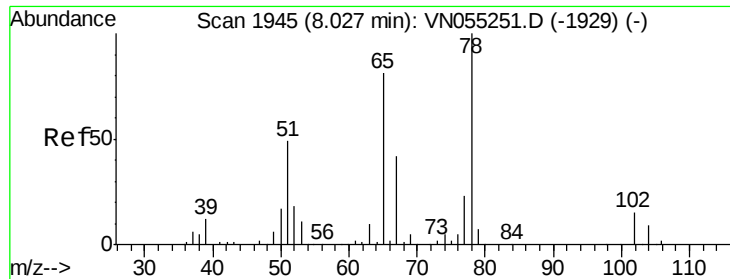
Tot Ion: 83 Resp: 163614
Ion Ratio Lower Upper
83 100
85 65.3 49.7 74.5



#26
Cyclohexane
Concen: 19.349 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

Tgt Ion: 56 Resp: 145189
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 76.9 63.5 95.3





#27

1,2-Dichloroethane-d4

Concen: 19.349 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

ClientSampleId :

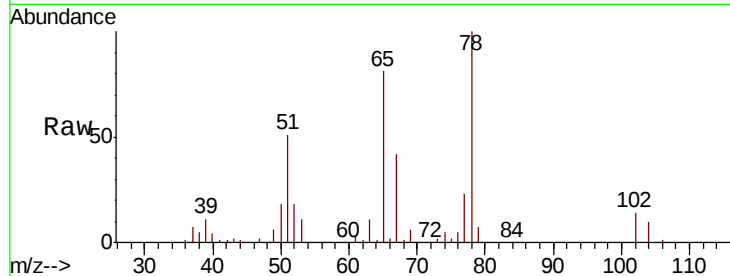
VN0426WBSD01

Tot Ion: 65 Resp: 165218

Ion Ratio Lower Upper

65 100

67 51.7 41.9 62.9



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

8.03

60000

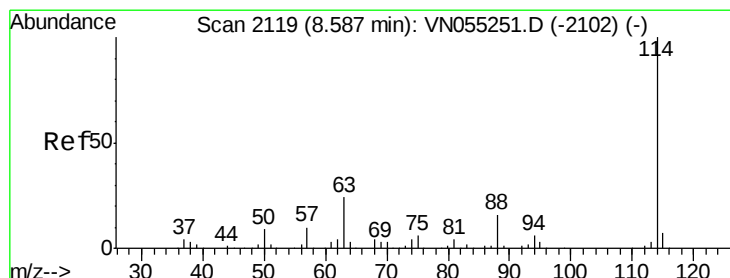
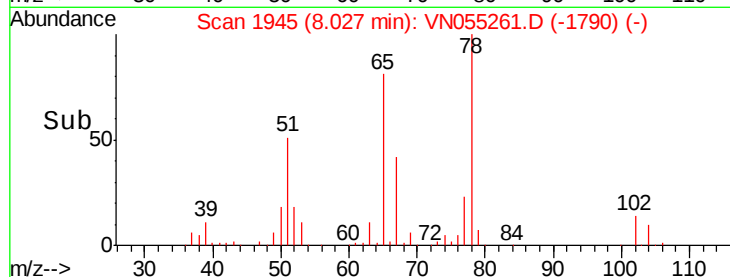
40000

20000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

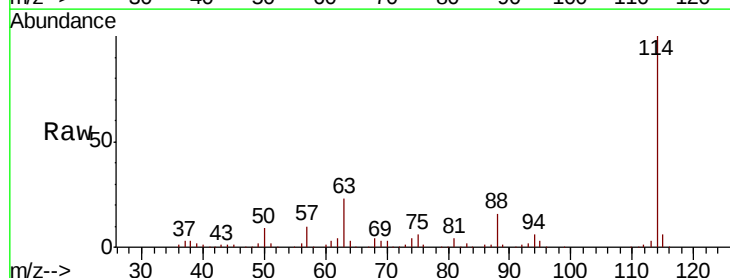
Tgt Ion: 114 Resp: 378412

Ion Ratio Lower Upper

114 100

63 22.4 18.2 27.2

88 15.0 12.6 18.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0

8.59

200000

150000

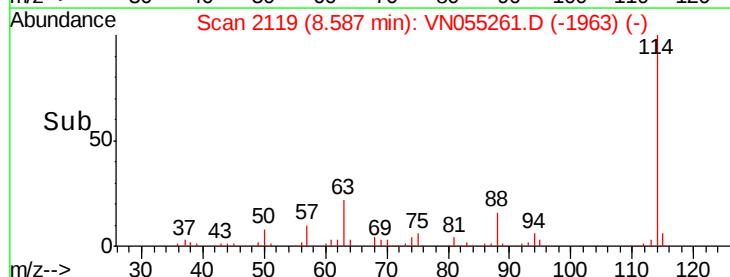
100000

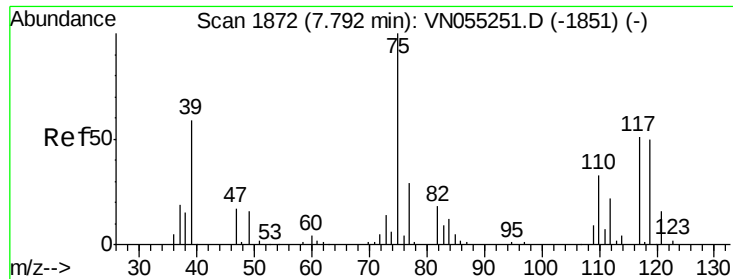
50000

0

8.50 8.60 8.70

Time-->

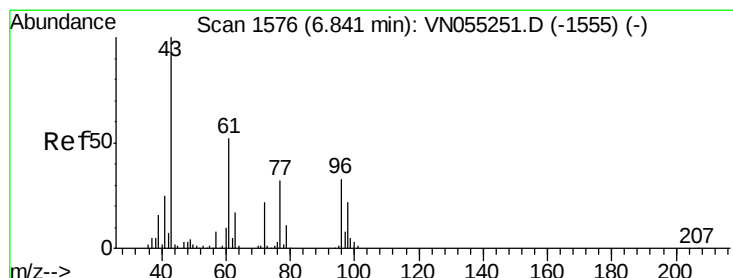
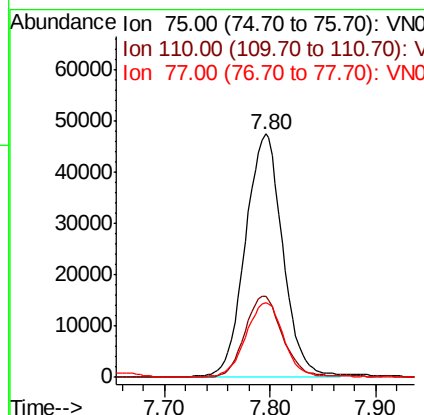
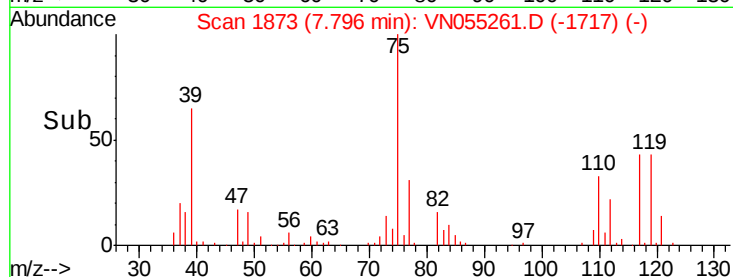
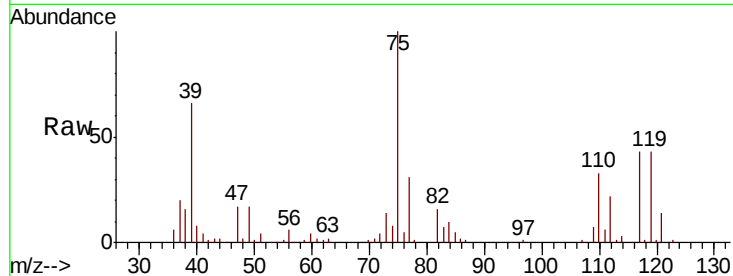




#29
 1,1-Dichloropropene
 Concen: 19.571 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN055261.D
 Acq: 25 Apr 2019 23:29

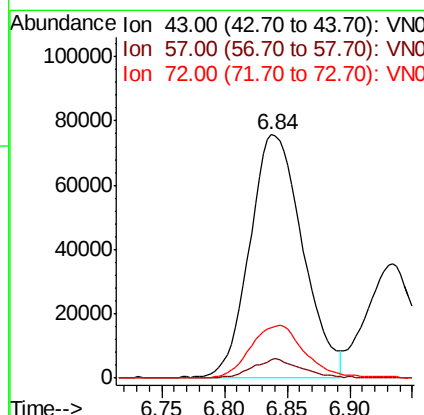
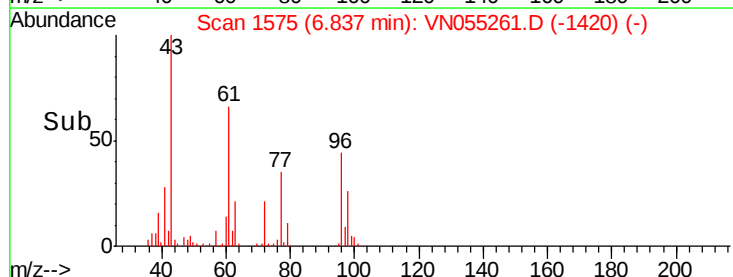
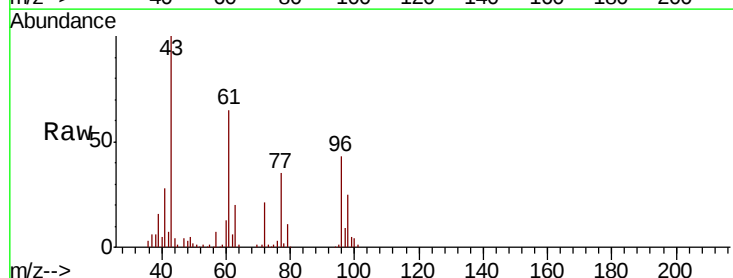
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0426WBSD01

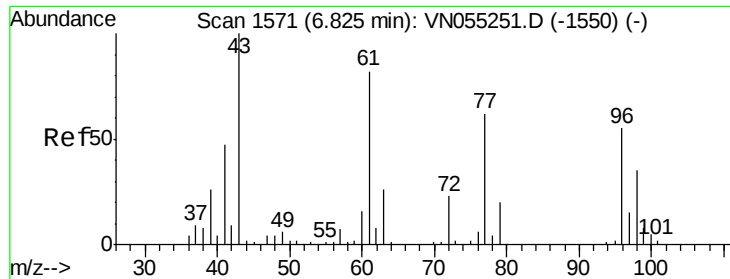
Tot Ion: 75 Resp: 117371
 Ion Ratio Lower Upper
 75 100
 110 33.3 0.0 68.6
 77 31.0 0.0 61.6



#30
 2-Butanone
 Concen: 90.943 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN055261.D
 Acq: 25 Apr 2019 23:29

Tgt Ion: 43 Resp: 221029
 Ion Ratio Lower Upper
 43 100
 57 7.2 6.0 9.0
 72 22.0 17.9 26.9





#31

2,2-Dichloropropane

Concen: 17.047 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

ClientSampleId :

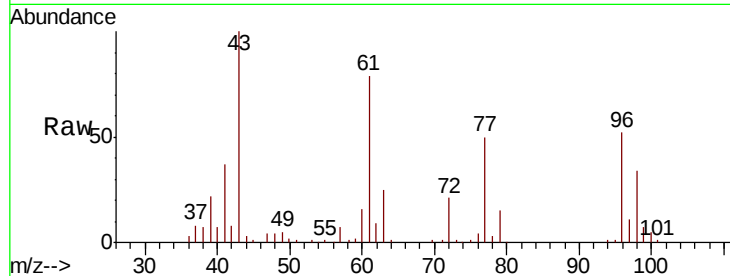
VN0426WBSD01

Tot Ion: 77 Resp: 96828

Ion Ratio Lower Upper

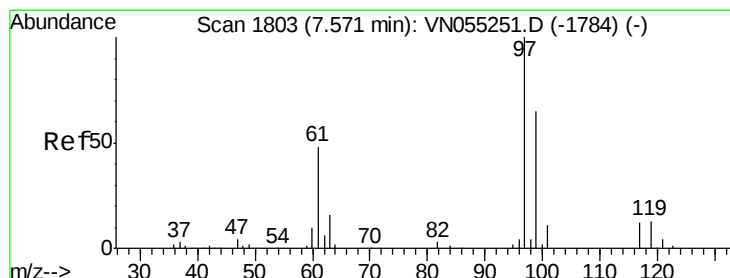
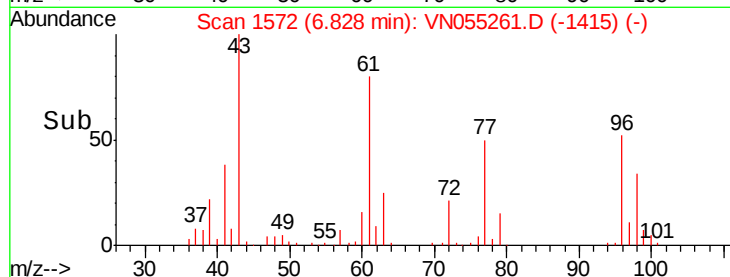
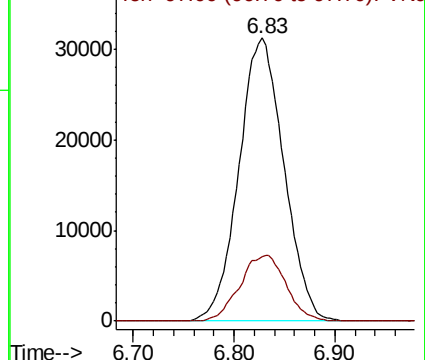
77 100

97 23.8 18.6 28.0



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.095 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

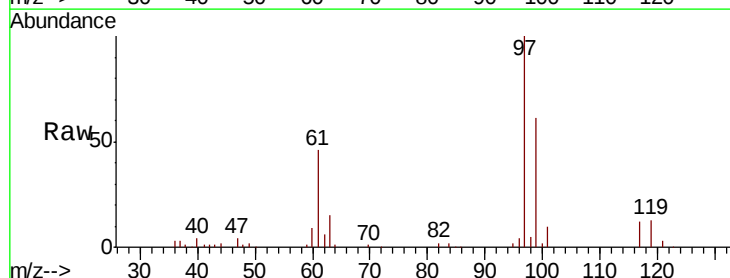
Tgt Ion: 97 Resp: 133966

Ion Ratio Lower Upper

97 100

99 63.0 51.2 76.8

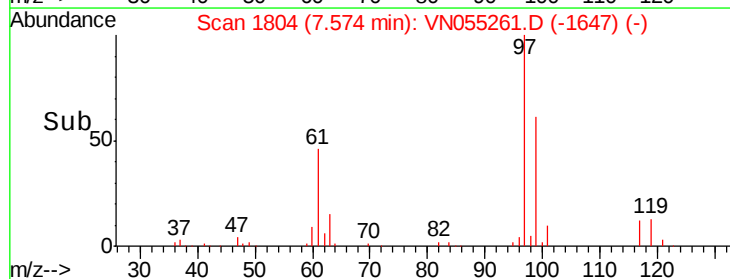
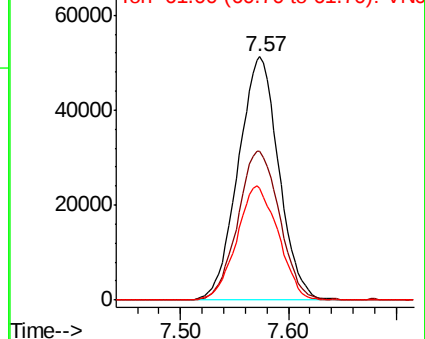
61 48.0 38.3 57.5

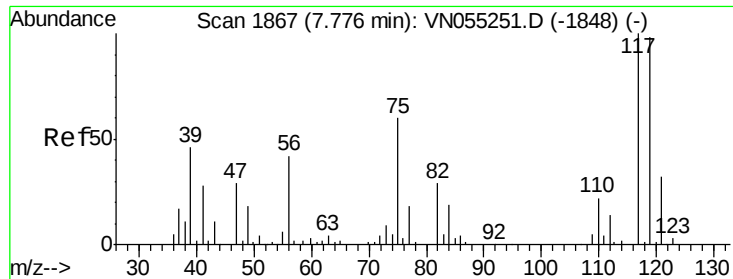


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

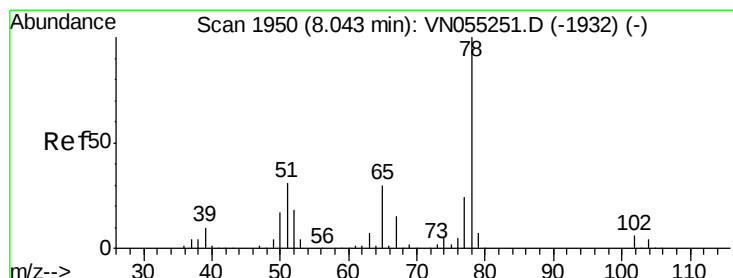
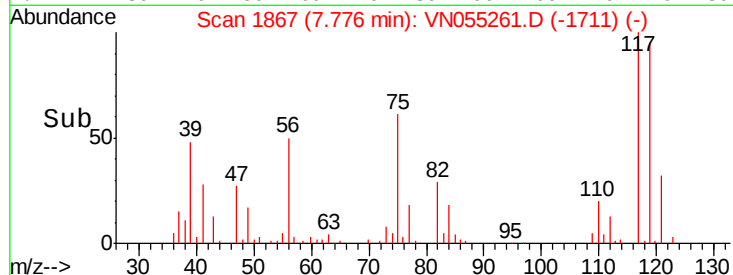
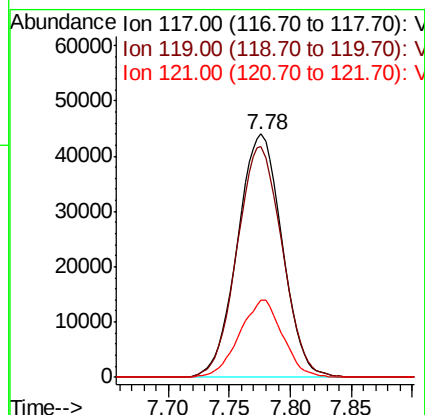
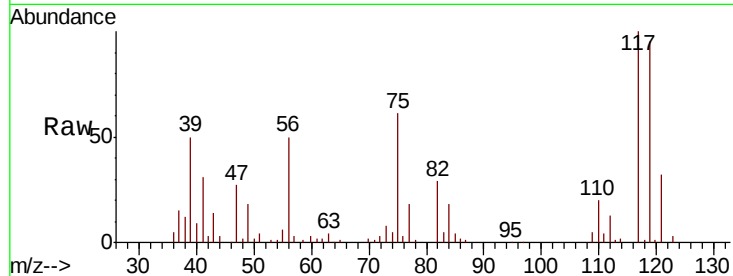




#33
Carbon Tetrachloride
Concen: 20.059 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

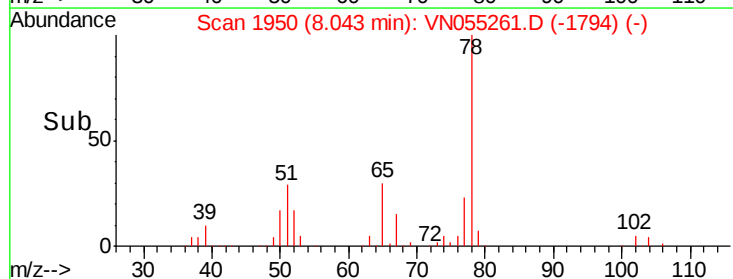
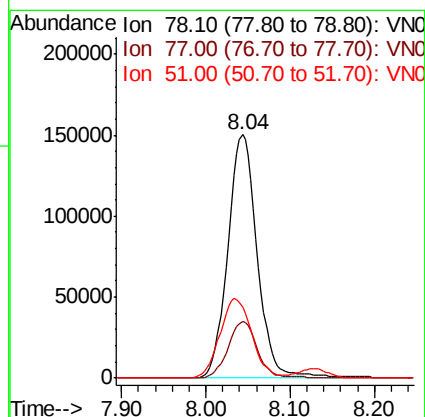
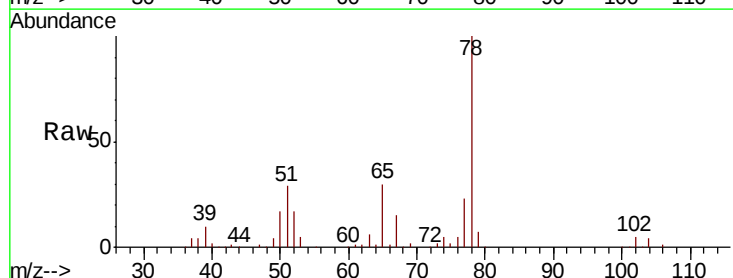
Instrument :
MSVOA_N
ClientSampleId :
VN0426WBSD01

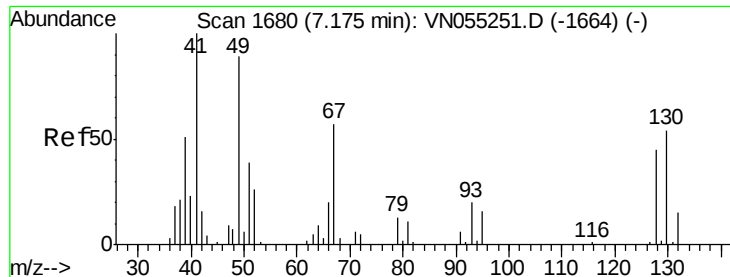
Tot Ion:117 Resp: 111505
Ion Ratio Lower Upper
117 100
119 94.6 78.7 118.1
121 31.6 25.8 38.6



#34
Benzene
Concen: 20.277 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

Tgt Ion: 78 Resp: 364064
Ion Ratio Lower Upper
78 100
77 23.1 19.1 28.7
51 29.1 24.5 36.7

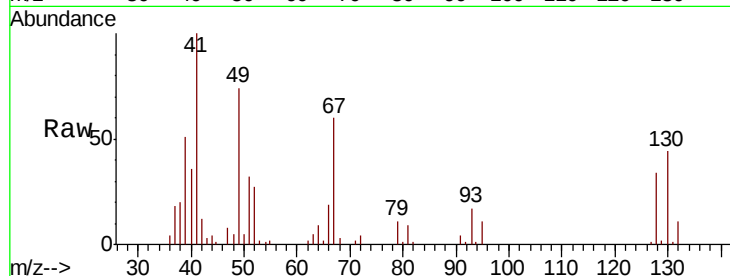




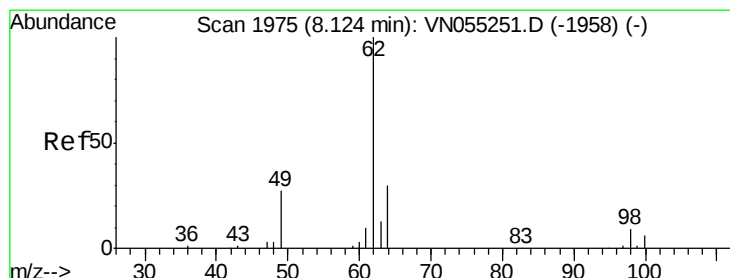
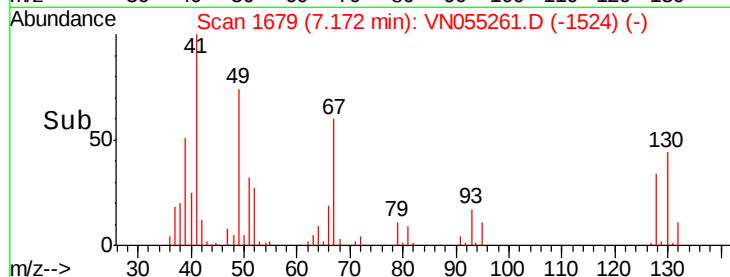
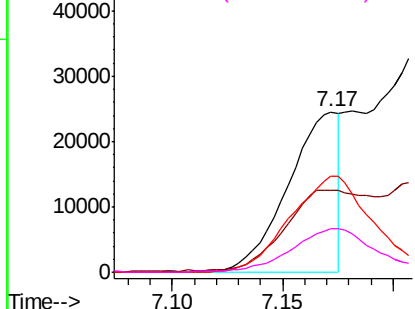
#35
Methacrylonitrile
Concen: 14.094 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

Instrument :
MSVOA_N
ClientSampleId :
VN0426WBSD01

Tot Ion:	41	Resp:	39505
Ion	Ratio	Lower	Upper
41	100		
39	49.7	25.3	75.8
67	60.3	28.7	86.1
52	27.0	13.0	39.0

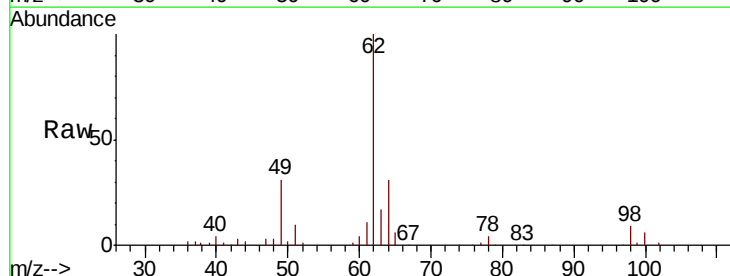


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

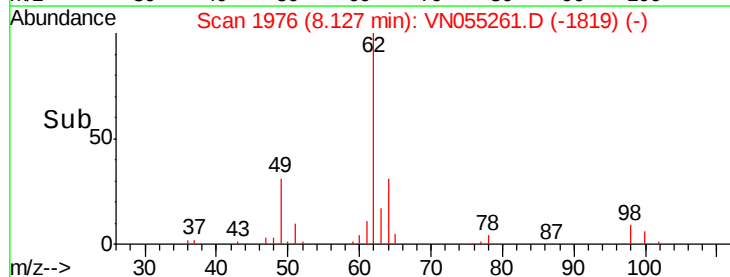
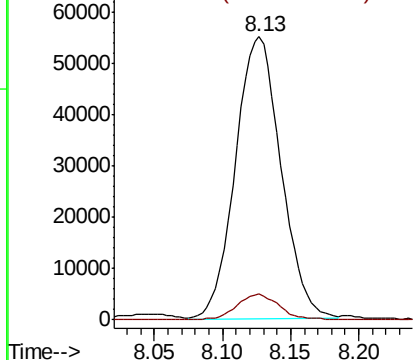


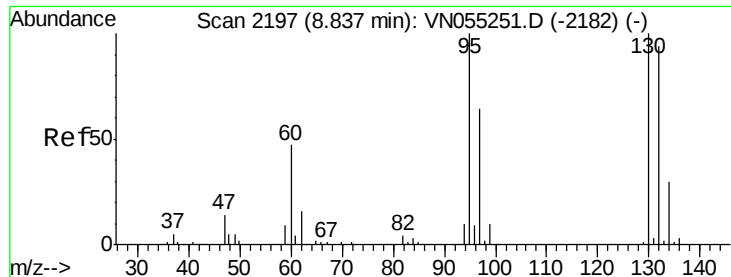
#36
1,2-Dichloroethane
Concen: 19.924 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

Tgt Ion:	62	Resp:	127611
Ion	Ratio	Lower	Upper
62	100		
98	8.5	6.8	10.2



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

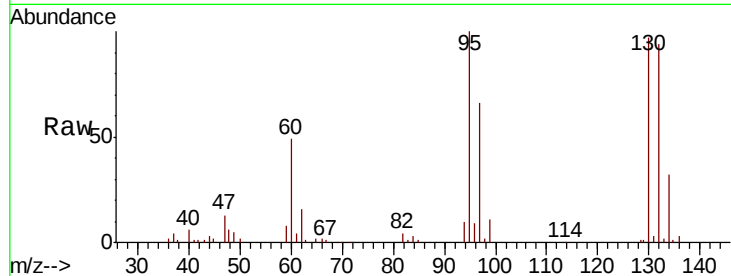




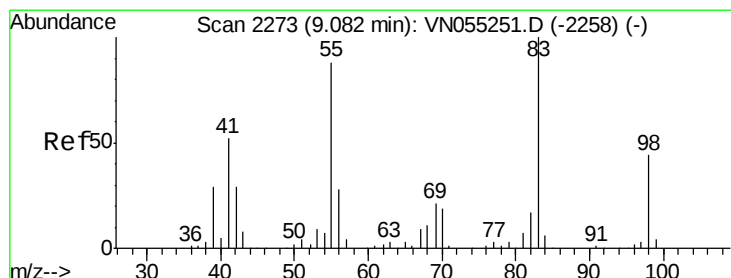
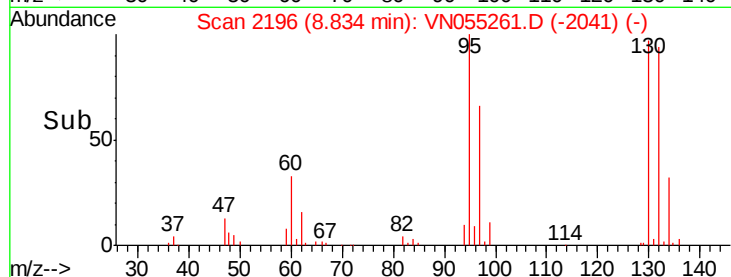
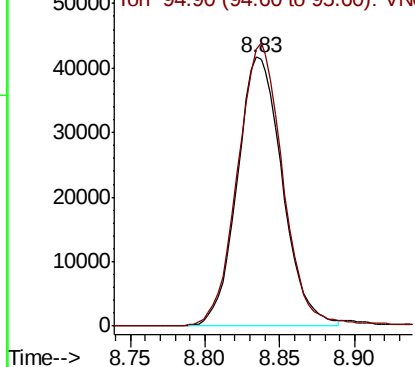
#37
 Trichloroethene
 Concen: 19.340 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN055261.D
 Acq: 25 Apr 2019 23:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0426WBSD01

Tot Ion:130 Resp: 87638
 Ion Ratio Lower Upper
 130 100
 95 102.3 79.9 119.9

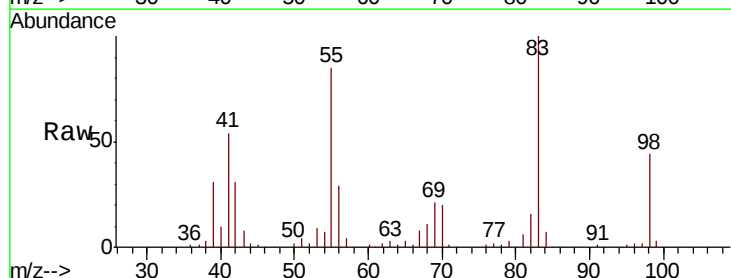


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

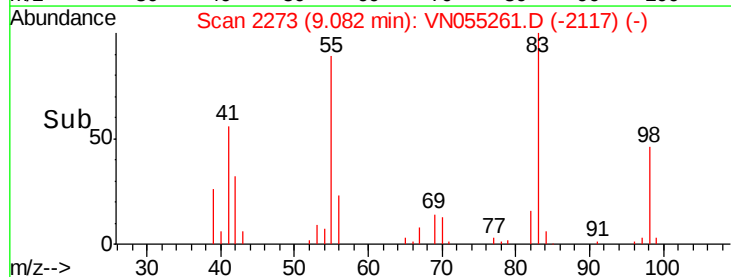
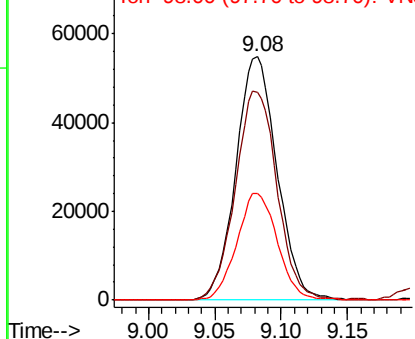


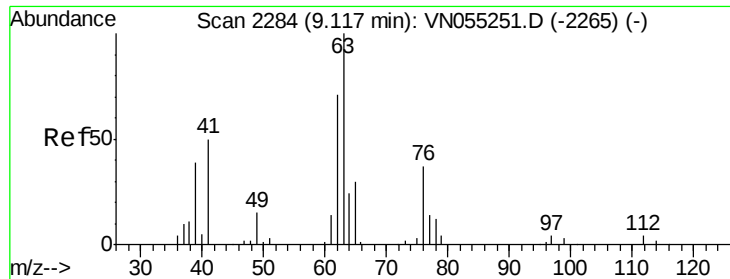
#38
 Methylcyclohexane
 Concen: 18.448 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN055261.D
 Acq: 25 Apr 2019 23:29

Tgt Ion: 83 Resp: 118368
 Ion Ratio Lower Upper
 83 100
 55 87.1 43.8 131.4
 98 43.1 22.4 67.2



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

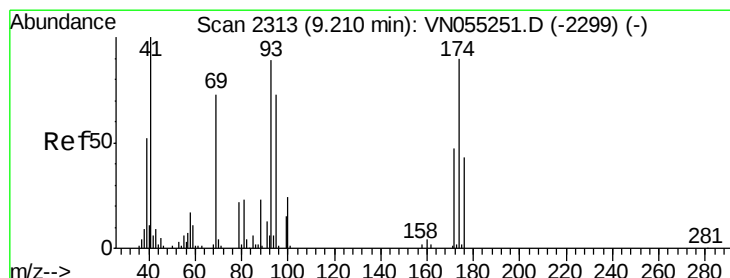
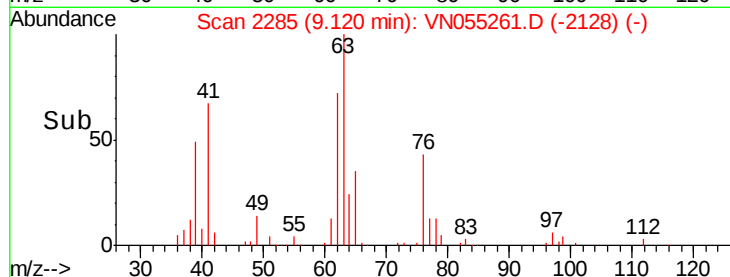
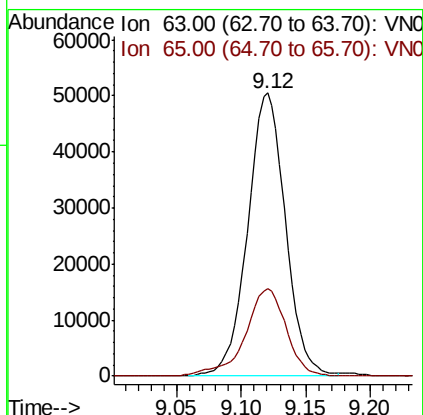
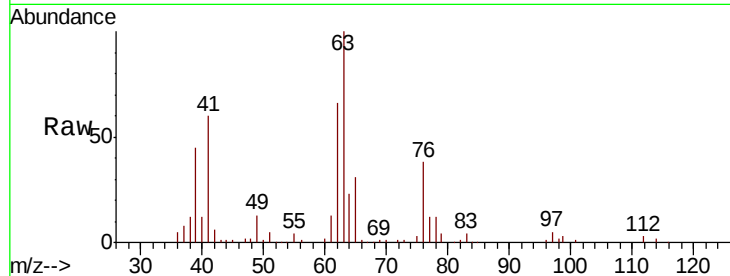




#39
 1,2-Dichloropropane
 Concen: 20.112 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055261.D
 Acq: 25 Apr 2019 23:29

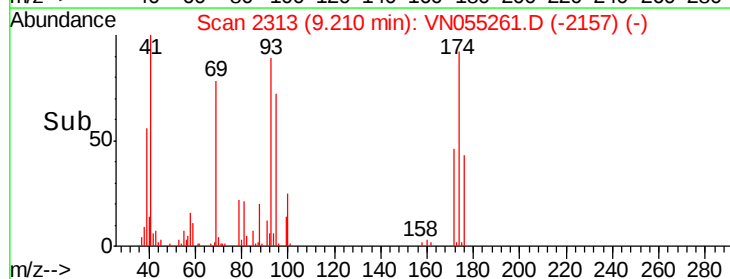
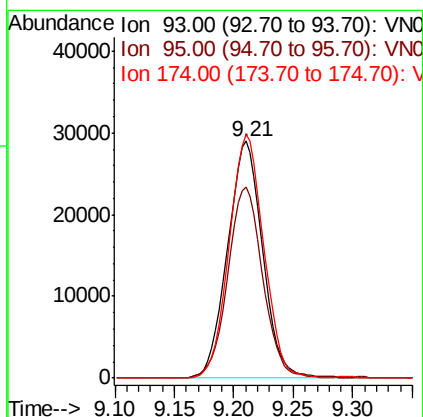
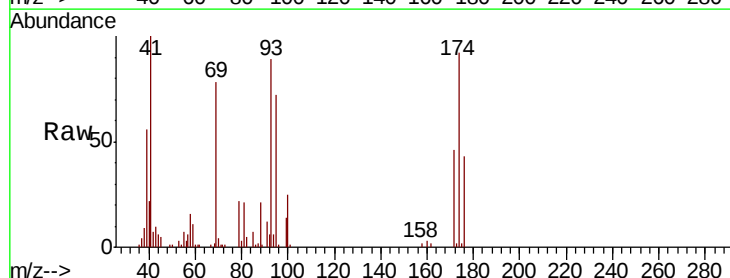
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0426WBSD01

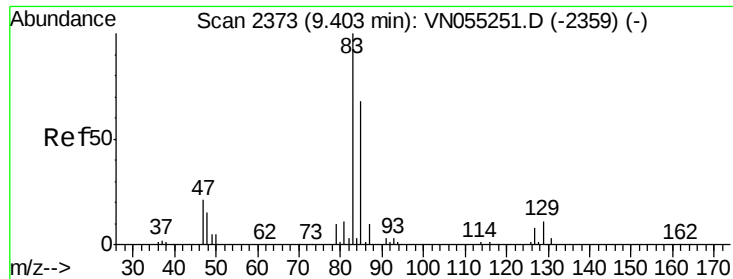
Tot Ion: 63 Resp: 103366
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.6 36.8



#40
 Dibromomethane
 Concen: 19.907 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055261.D
 Acq: 25 Apr 2019 23:29

Tgt Ion: 93 Resp: 59284
 Ion Ratio Lower Upper
 93 100
 95 79.8 0.0 164.8
 174 100.8 0.0 203.4





#41

Bromodichloromethane

Concen: 19.916 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

ClientSampleId :

VN0426WBSD01

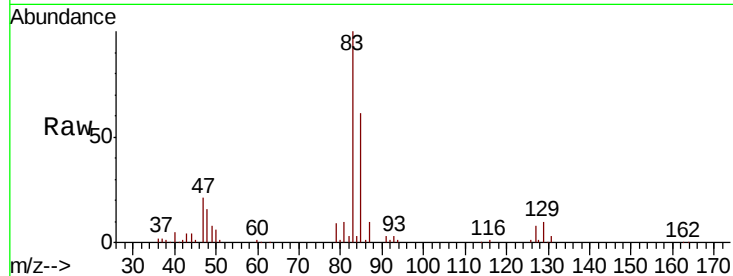
Tot Ion: 83 Resp: 120620

Ion Ratio Lower Upper

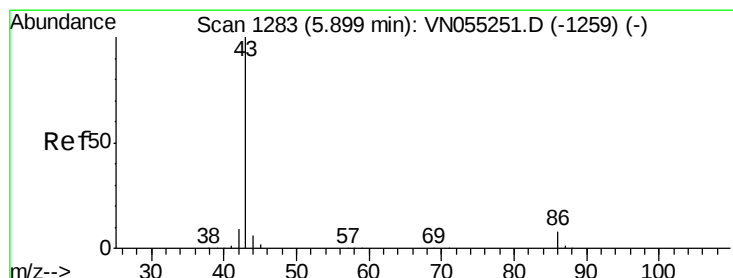
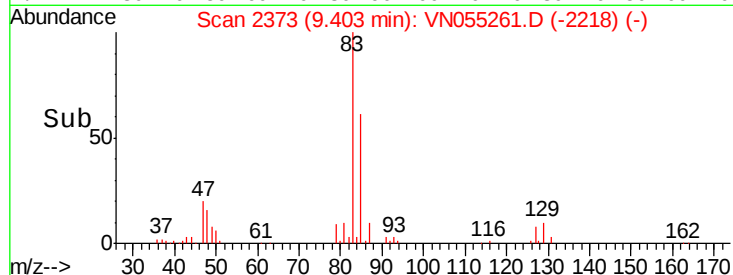
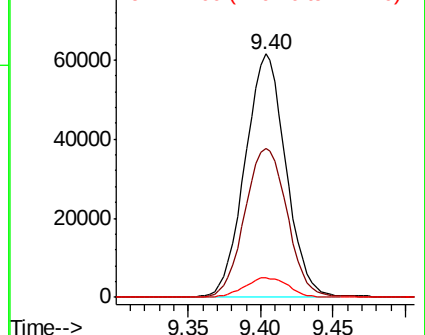
83 100

85 61.3 54.5 81.7

127 7.9 6.4 9.6



Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 95.624 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN055261.D

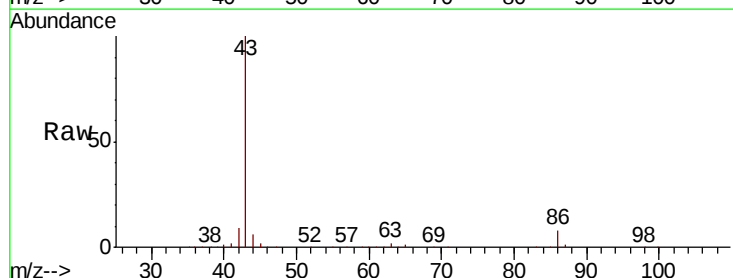
Acq: 25 Apr 2019 23:29

Tgt Ion: 43 Resp: 1112937

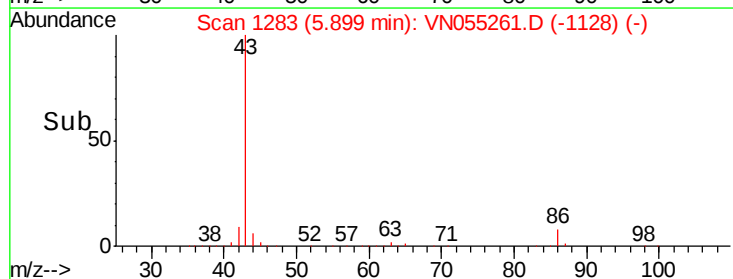
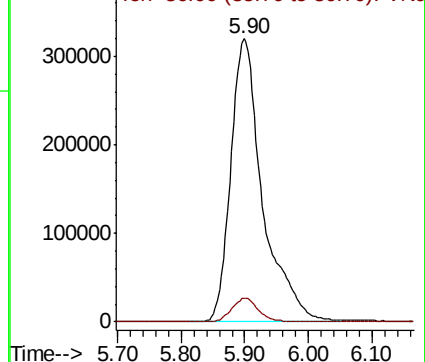
Ion Ratio Lower Upper

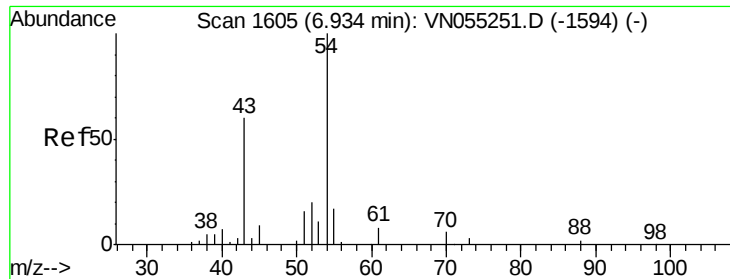
43 100

86 7.1 5.7 8.5



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0

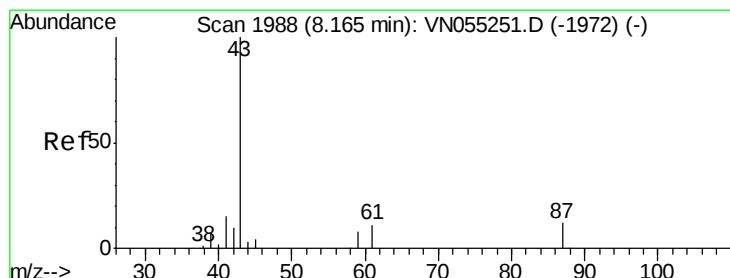
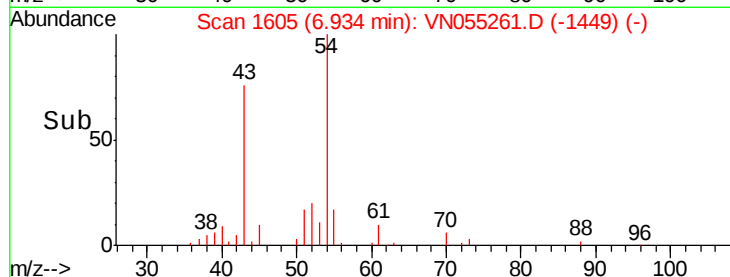
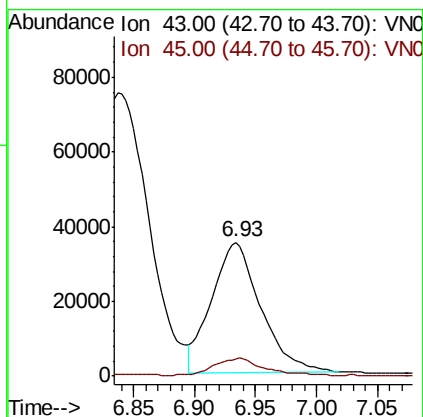
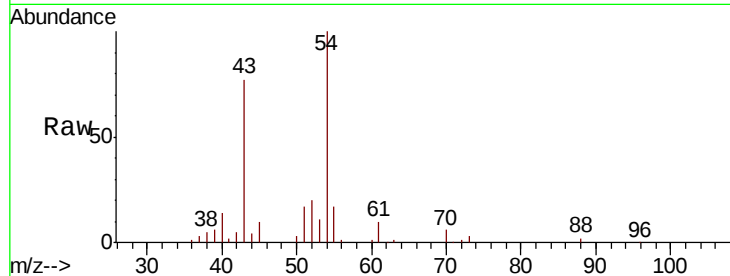




#43
Ethyl Acetate
Concen: 19.310 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

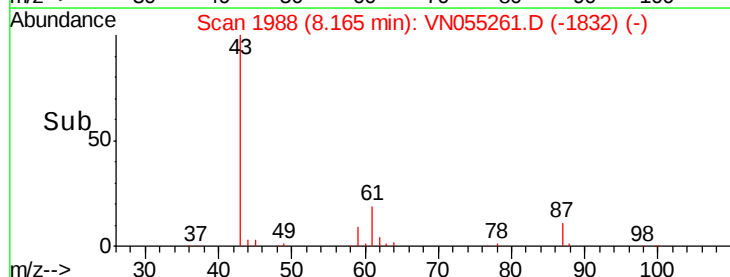
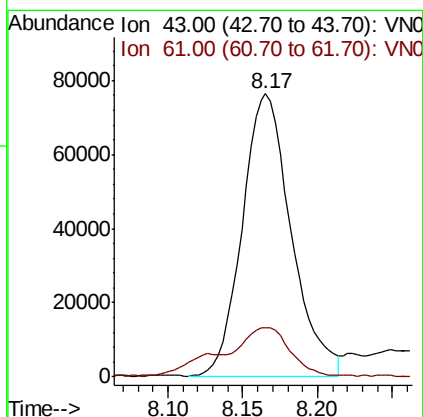
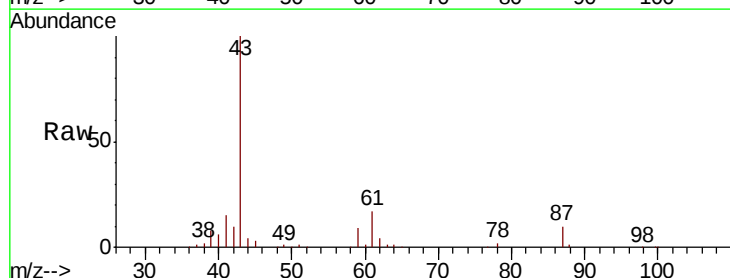
Instrument :
MSVOA_N
ClientSampled :
VN0426WBSD01

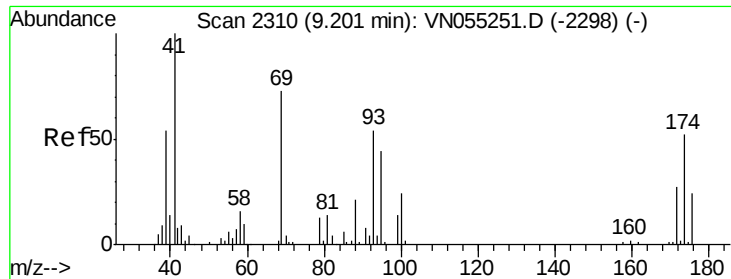
Tot Ion: 43 Resp: 97259
Ion Ratio Lower Upper
43 100
45 11.8 9.6 14.4



#44
Isopropyl Acetate
Concen: 18.690 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

Tgt Ion: 43 Resp: 173228
Ion Ratio Lower Upper
43 100
61 16.4 12.6 18.8





#45

1,4-Dioxane

Concen: 385.010 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

ClientSampleId :

VN0426WBSD01

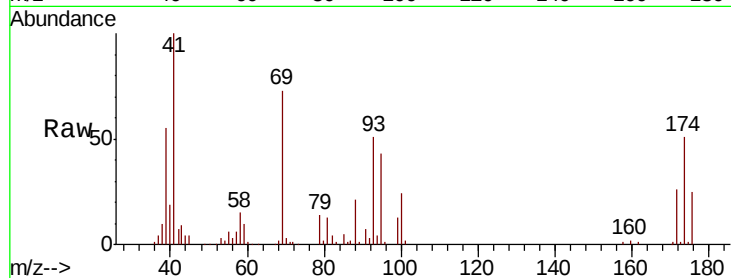
Tot Ion: 88 Resp: 18494

Ion Ratio Lower Upper

88 100

43 38.9 29.4 44.0

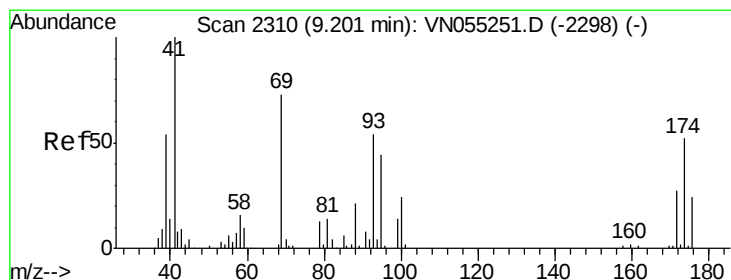
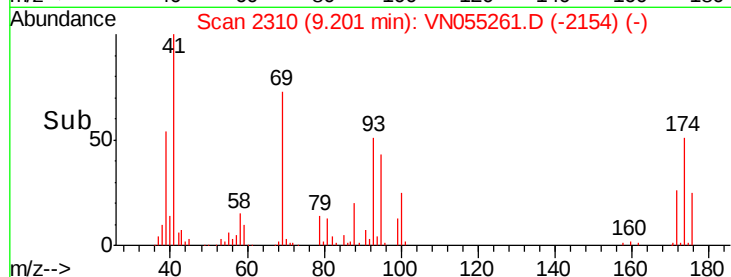
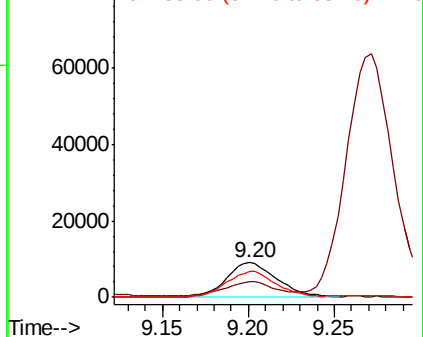
58 75.4 62.4 93.6



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46

Methyl methacrylate

Concen: 18.351 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

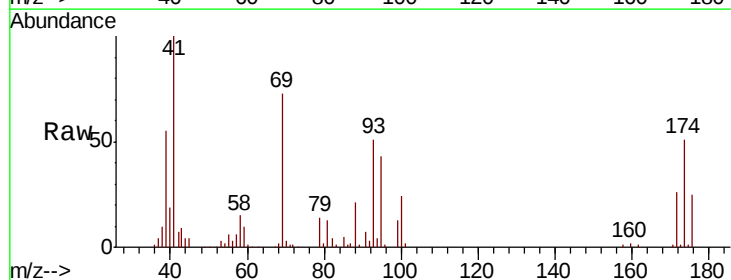
Tgt Ion: 41 Resp: 80086

Ion Ratio Lower Upper

41 100

69 74.0 36.4 109.3

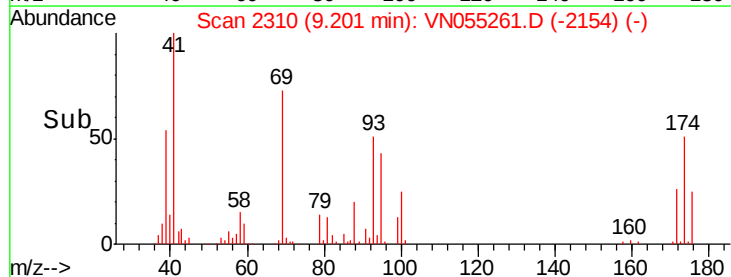
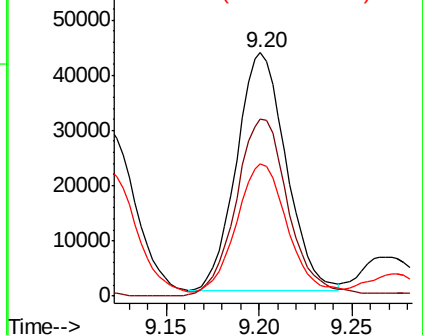
39 54.1 26.9 80.7

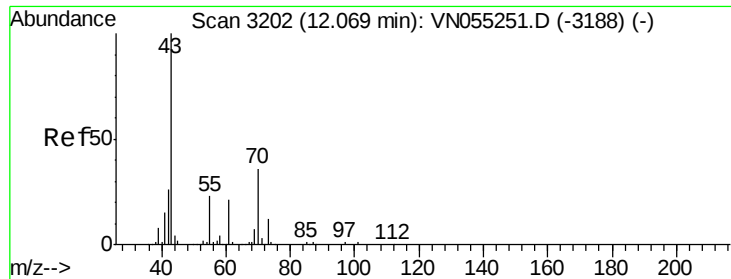


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

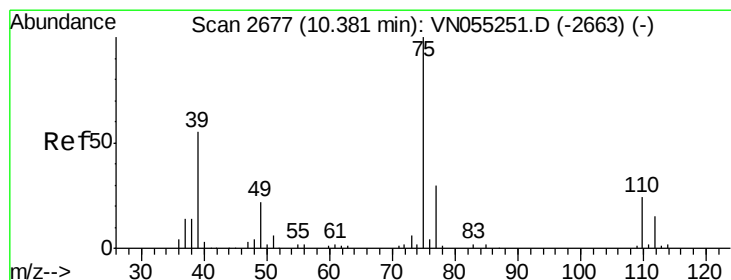
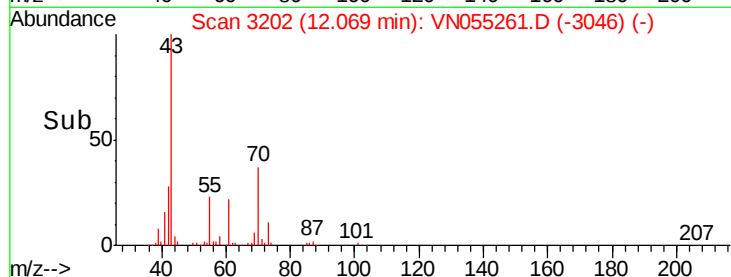
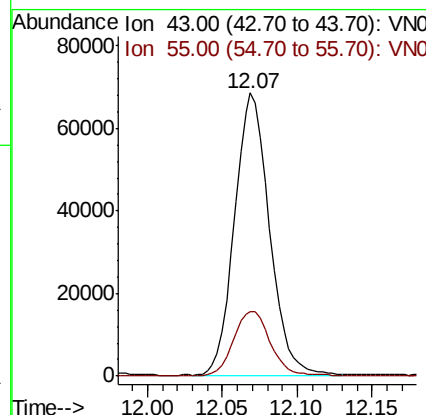
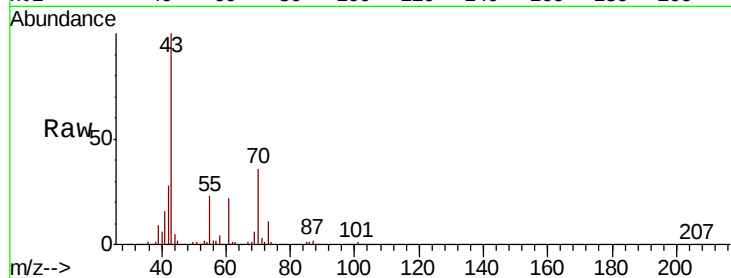




#47
n-amyl Acetate
Concen: 16.760 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

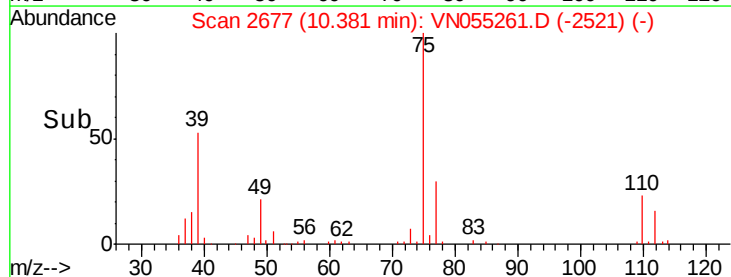
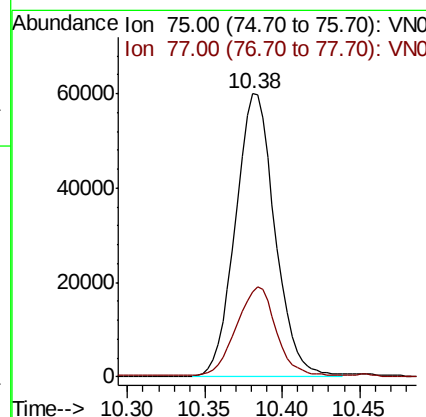
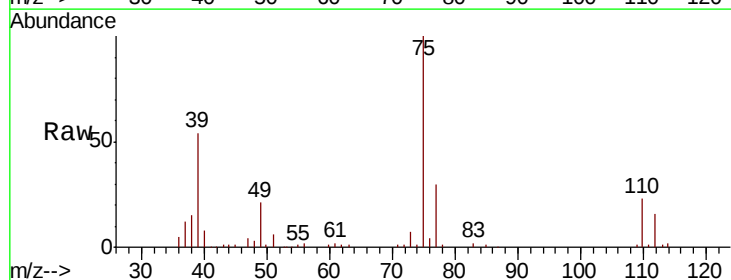
Instrument :
MSVOA_N
ClientSampled :
VN0426WBSD01

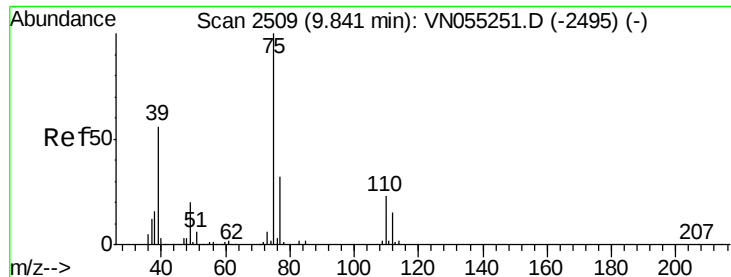
Tot Ion: 43 Resp: 110506
Ion Ratio Lower Upper
43 100
55 24.6 18.1 27.1



#48
t-1,3-Dichloropropene
Concen: 17.911 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

Tgt Ion: 75 Resp: 106740
Ion Ratio Lower Upper
75 100
77 29.7 23.9 35.9





#49

cis-1,3-Dichloropropene

Concen: 18.886 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

ClientSampleId :

VN0426WBSD01

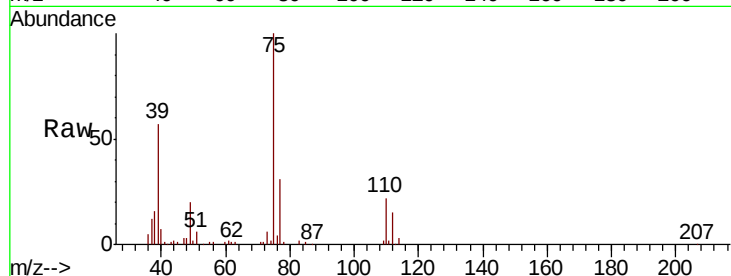
Tot Ion: 75 Resp: 130576

Ion Ratio Lower Upper

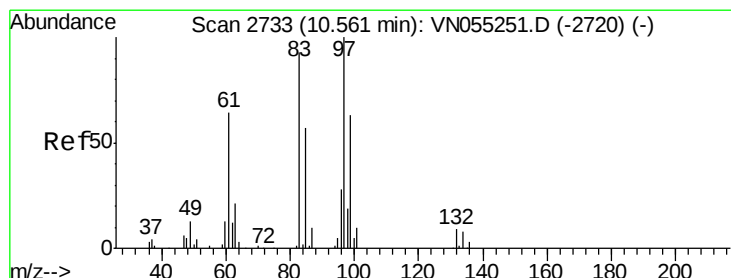
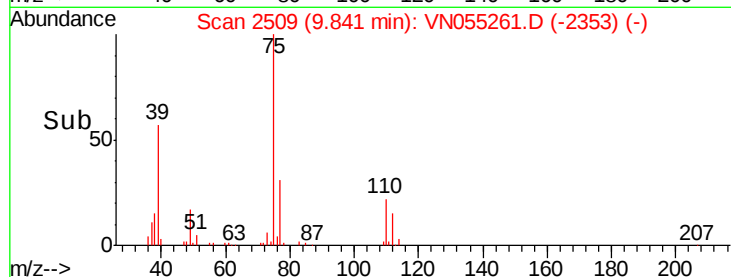
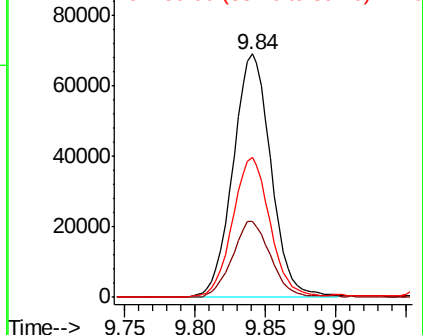
75 100

77 31.2 25.9 38.9

39 57.0 45.0 67.6



Abundance Ion 75.00 (74.70 to 75.70): VNO
Ion 77.00 (76.70 to 77.70): VNO
Ion 39.00 (38.70 to 39.70): VNO



#50

1,1,2-Trichloroethane

Concen: 19.902 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Tgt Ion: 97 Resp: 80788

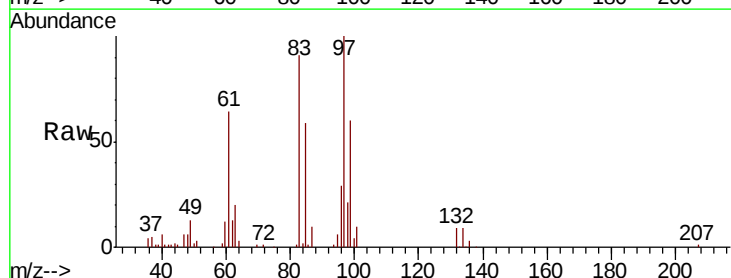
Ion Ratio Lower Upper

97 100

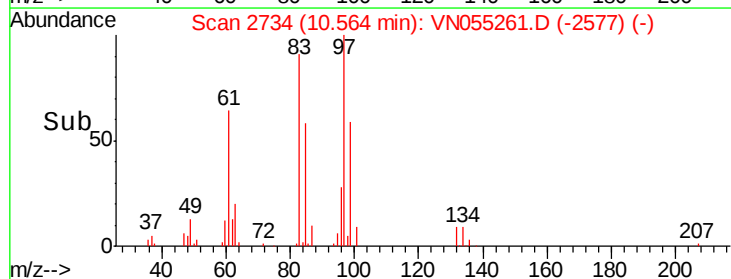
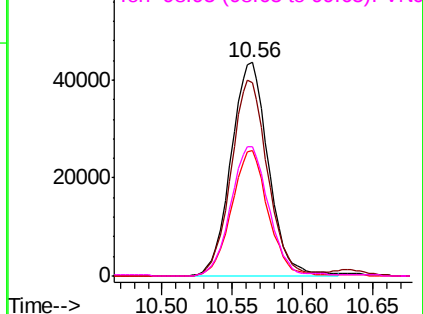
83 90.8 74.6 111.8

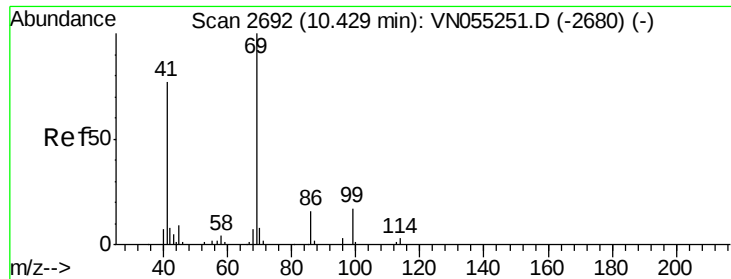
85 58.7 45.4 68.2

99 60.5 50.7 76.1



Abundance Ion 97.00 (96.70 to 97.70): VNO
Ion 82.95 (82.65 to 83.65): VNO
Ion 84.95 (84.65 to 85.65): VNO
Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 18.062 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

ClientSampleId :

VN0426WBSD01

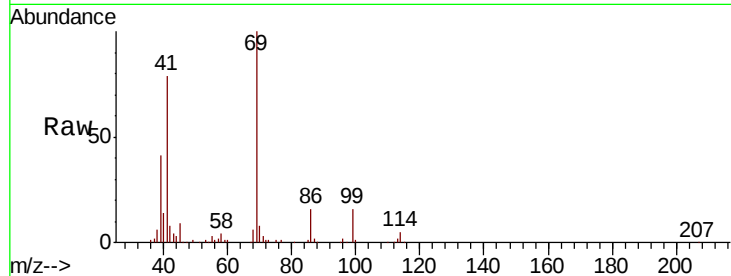
Tot Ion: 69 Resp: 99678

Ion Ratio Lower Upper

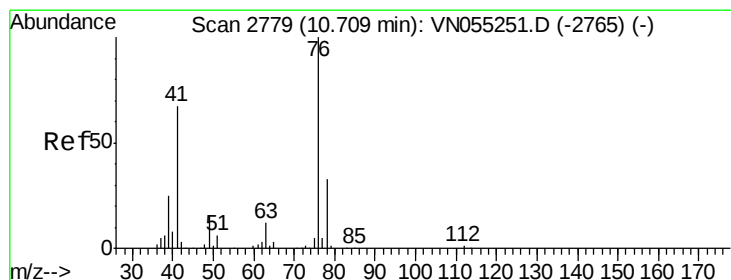
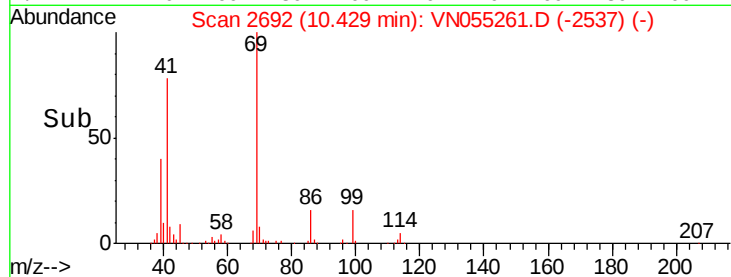
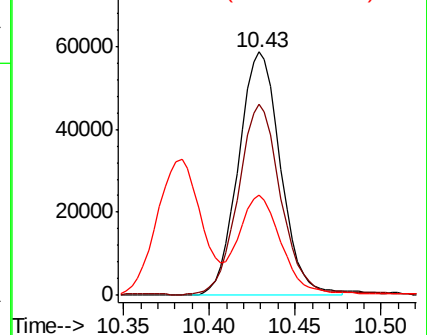
69 100

41 77.9 38.7 116.1

39 39.5 19.9 59.6



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



#52

1,3-Dichloropropane

Concen: 19.718 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055261.D

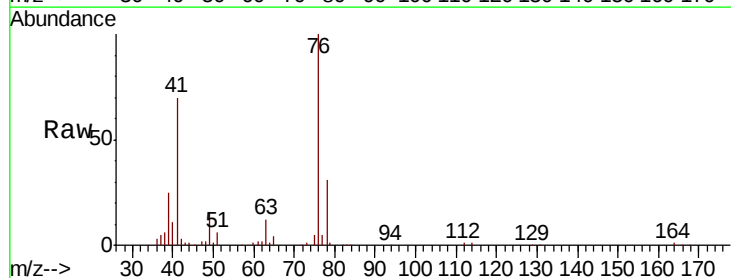
Acq: 25 Apr 2019 23:29

Tgt Ion: 76 Resp: 141724

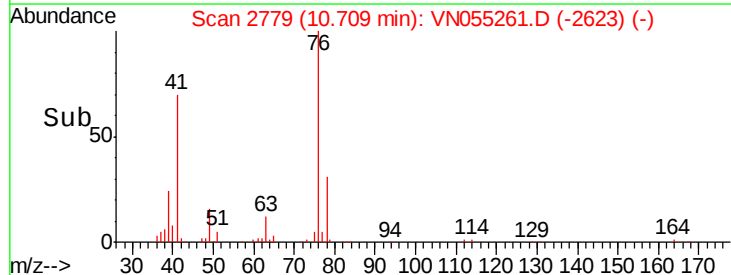
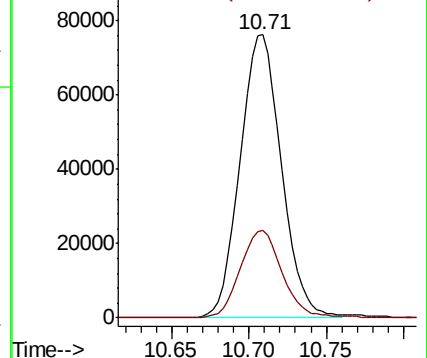
Ion Ratio Lower Upper

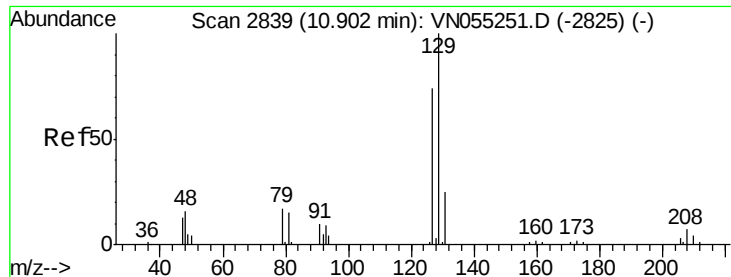
76 100

78 31.6 0.0 63.0



Abundance Ion 76.00 (75.70 to 76.70): VN0
Ion 78.00 (77.70 to 78.70): VN0

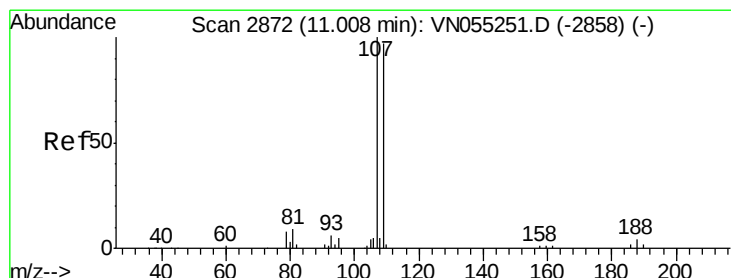
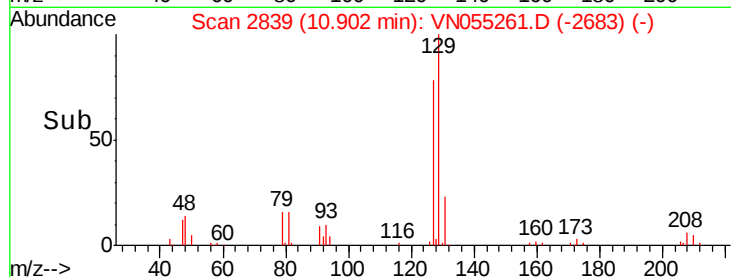
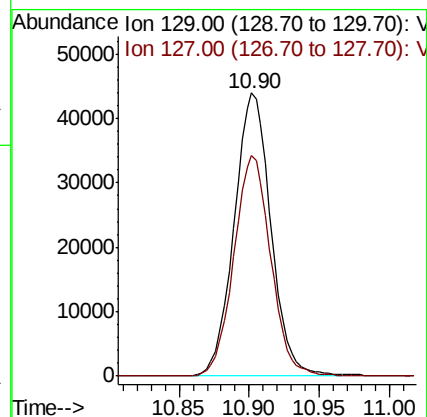
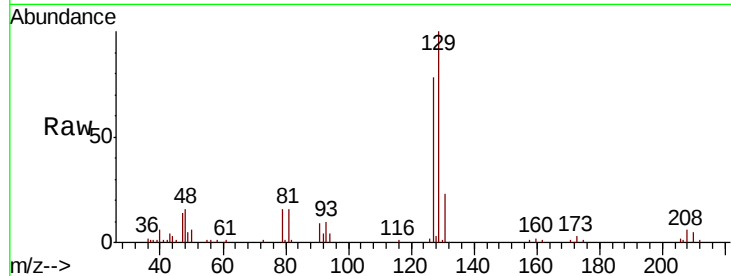




#53
 Dibromochloromethane
 Concen: 19.086 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN055261.D
 Acq: 25 Apr 2019 23:29

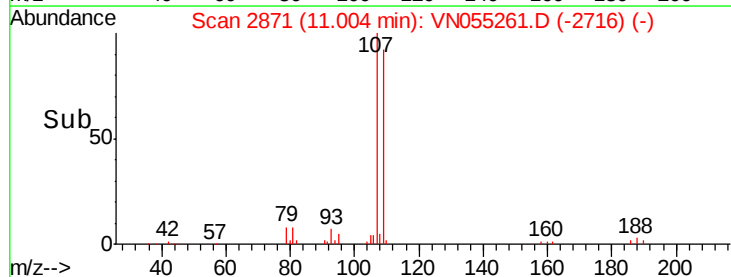
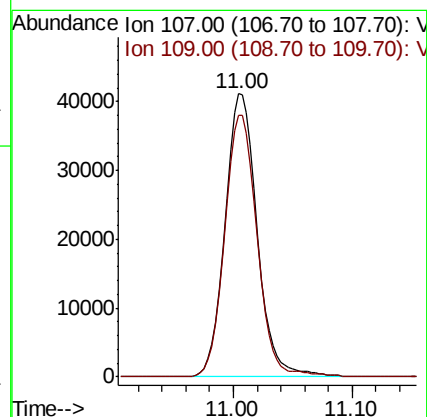
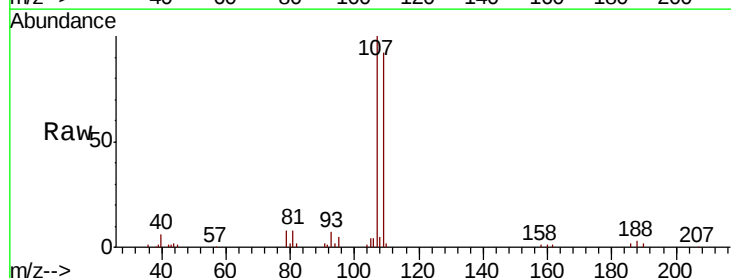
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0426WBSD01

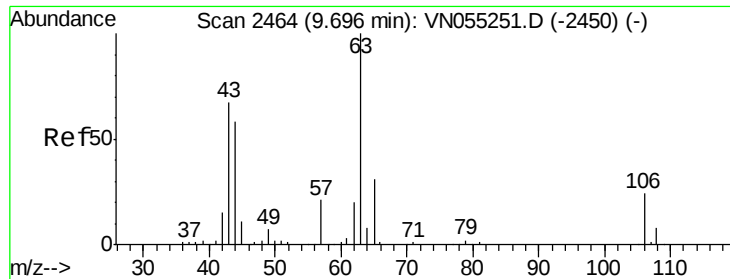
Tot Ion:129 Resp: 80123
 Ion Ratio Lower Upper
 129 100
 127 78.2 38.8 116.3



#54
 1,2-Dibromoethane
 Concen: 19.529 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055261.D
 Acq: 25 Apr 2019 23:29

Tgt Ion:107 Resp: 76913
 Ion Ratio Lower Upper
 107 100
 109 92.2 75.2 112.8

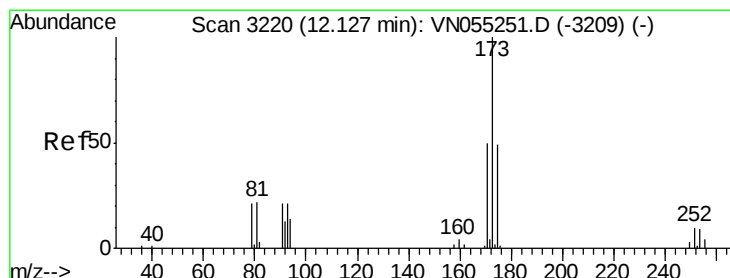
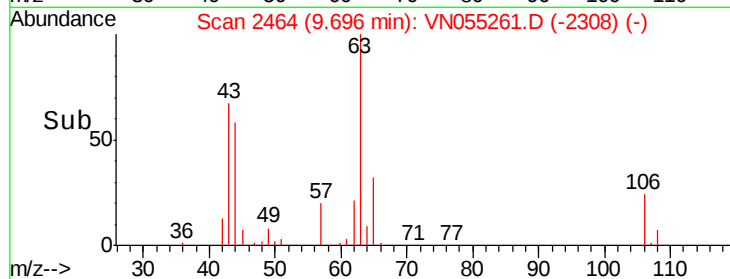
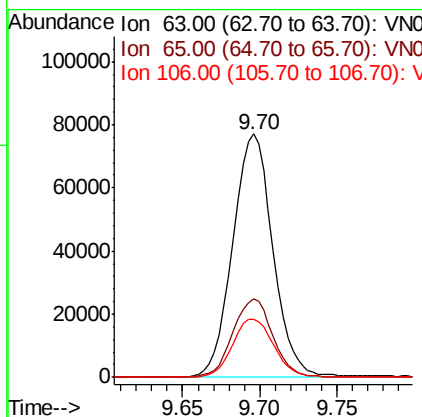
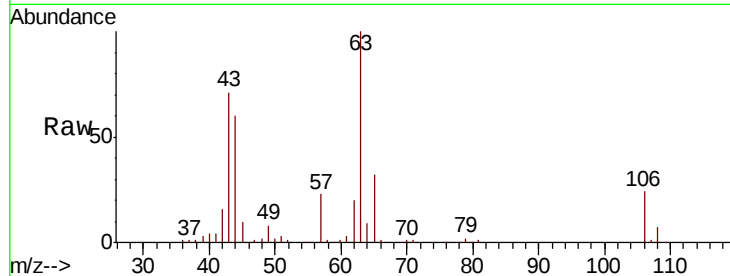




#55
 2-Chloroethyl vinyl ether
 Concen: 83.525 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN055261.D
 Acq: 25 Apr 2019 23:29

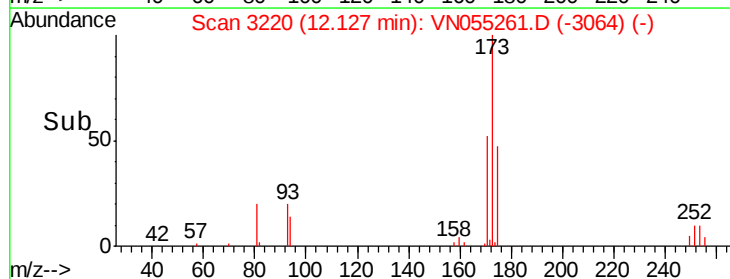
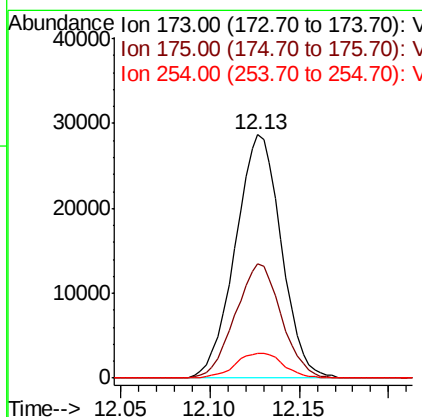
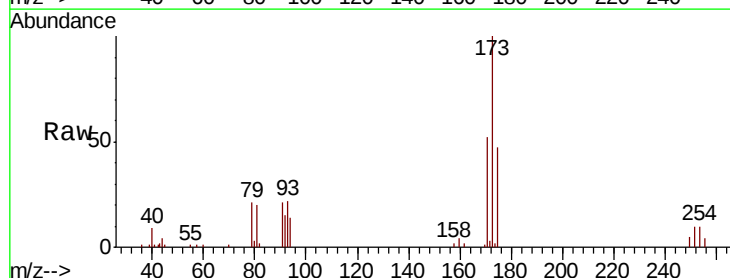
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0426WBSD01

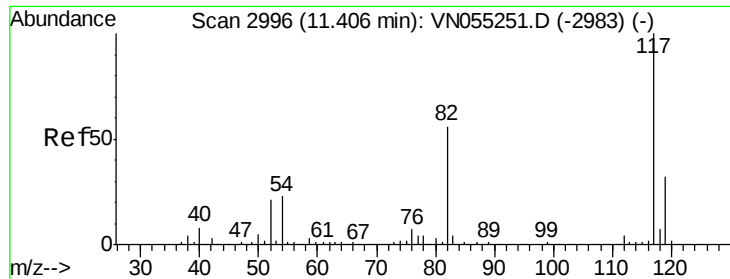
Tot Ion: 63 Resp: 138934
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.1 37.7
 106 24.6 19.4 29.0



#56
 Bromoform
 Concen: 18.652 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN055261.D
 Acq: 25 Apr 2019 23:29

Tgt Ion: 173 Resp: 51318
 Ion Ratio Lower Upper
 173 100
 175 47.2 37.7 56.5
 254 10.8 7.8 11.6

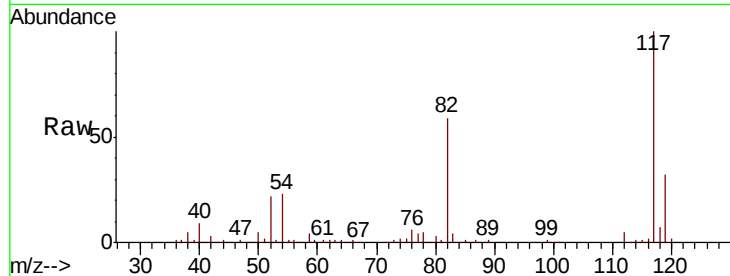




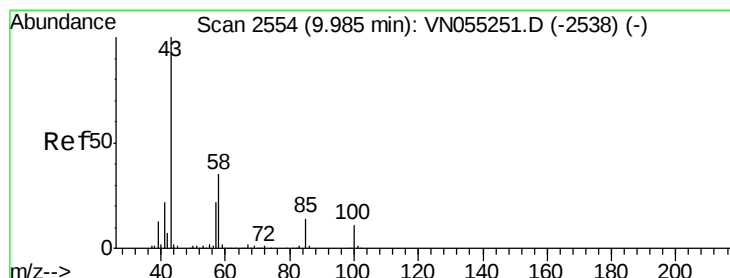
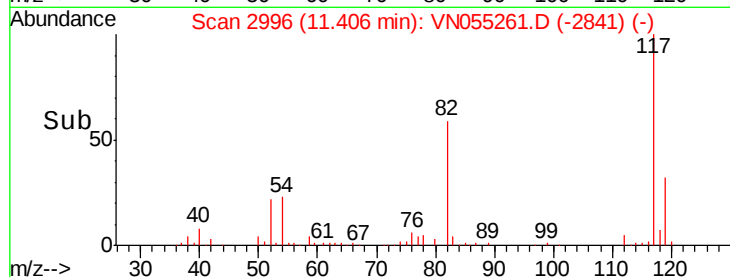
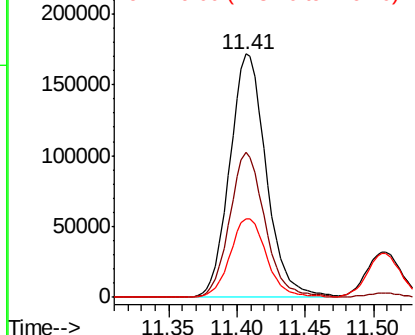
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

Instrument :
MSVOA_N
ClientSampleId :
VN0426WBSD01

Tot Ion:117 Resp: 319342
Ion Ratio Lower Upper
117 100
82 57.8 45.3 67.9
119 32.5 25.4 38.0

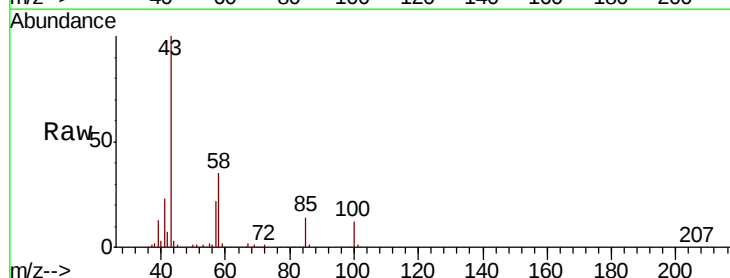


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

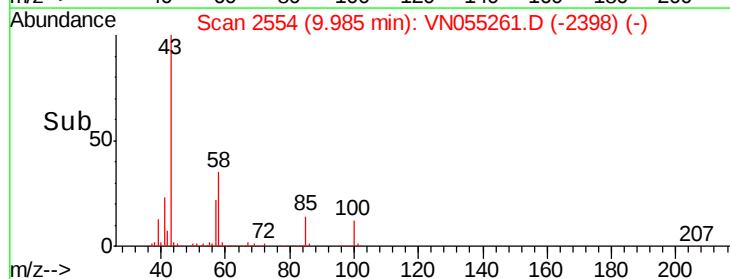
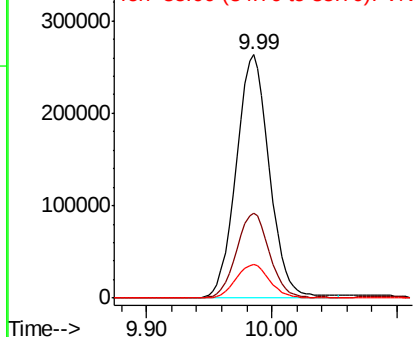


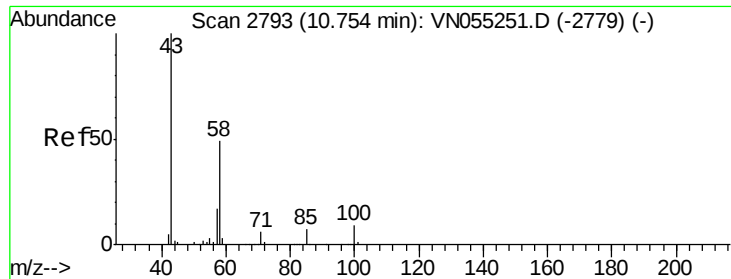
#58
4-Methyl-2-Pentanone
Concen: 96.582 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

Tgt Ion: 43 Resp: 481508
Ion Ratio Lower Upper
43 100
58 34.8 28.6 43.0
85 14.1 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 58.00 (57.70 to 58.70): VN
Ion 85.00 (84.70 to 85.70): VN

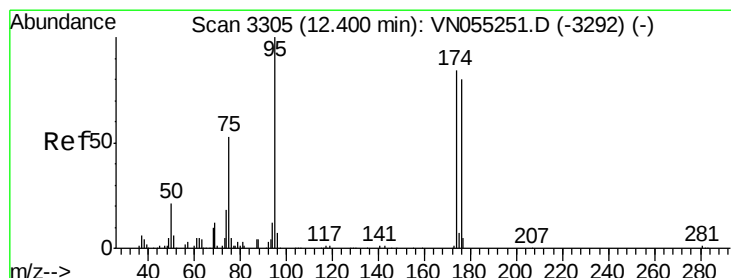
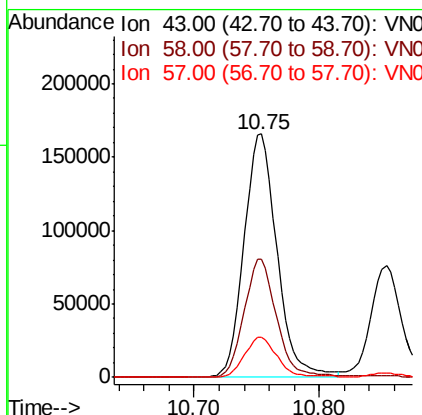
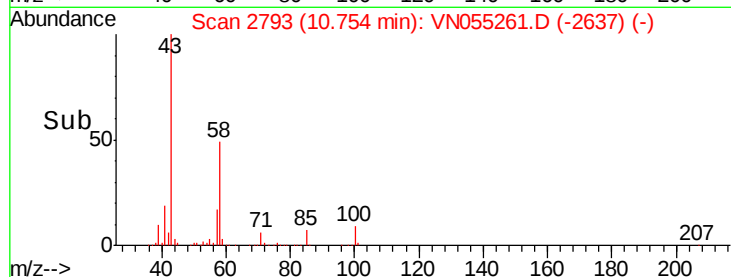
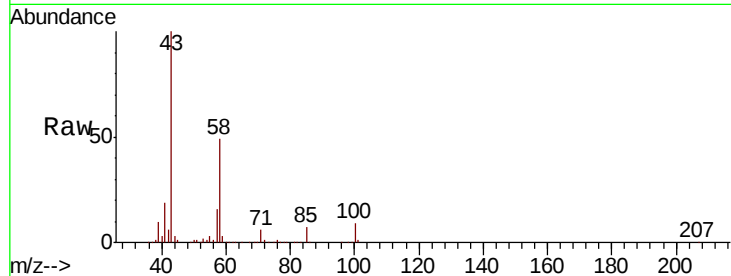




#59
2-Hexanone
Concen: 94.444 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

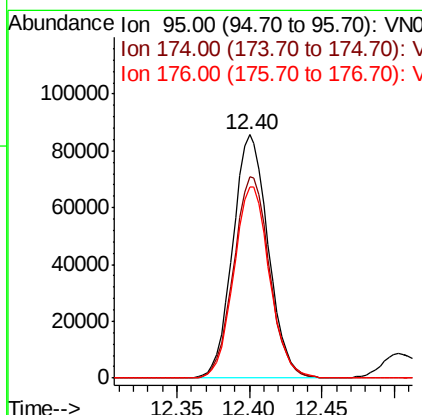
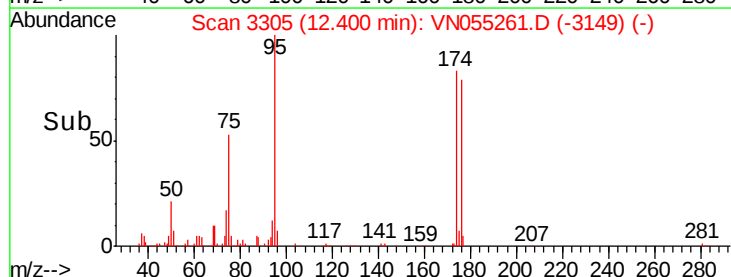
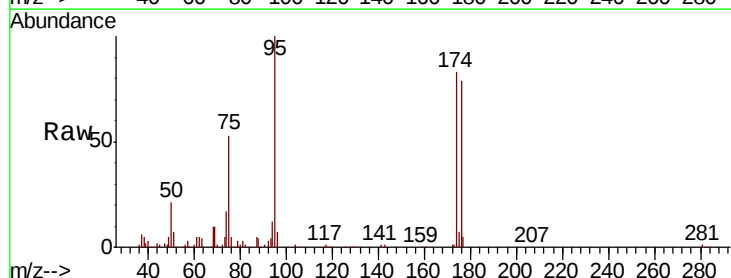
Instrument :
MSVOA_N
ClientSampleId :
VN0426WBSD01

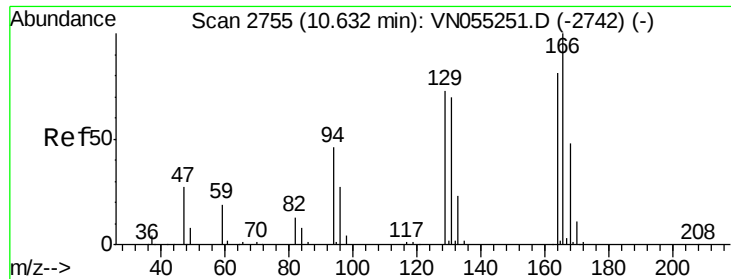
Tot Ion: 43 Resp: 301422
Ion Ratio Lower Upper
43 100
58 48.5 39.0 58.6
57 16.4 13.4 20.2



#60
4-Bromofluorobenzene
Concen: 94.444 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

Tgt Ion: 95 Resp: 145174
Ion Ratio Lower Upper
95 100
174 83.7 68.1 102.1
176 79.7 65.8 98.6





#61

Tetrachloroethene

Concen: 21.054 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

ClientSampleId :

VN0426WBSD01

Tot Ion:164 Resp: 87246

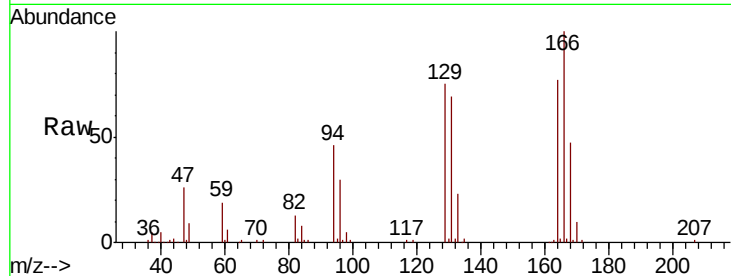
Ion Ratio Lower Upper

164 100

166 130.2 98.6 147.8

129 97.0 72.4 108.6

131 90.2 69.2 103.8

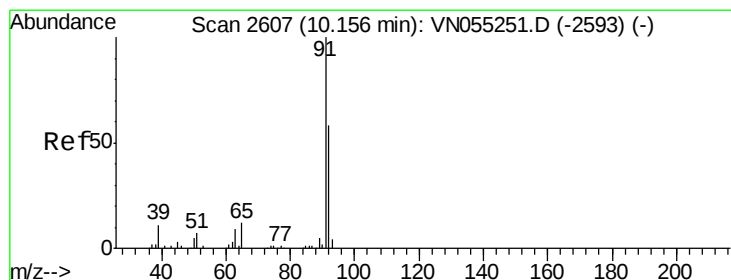
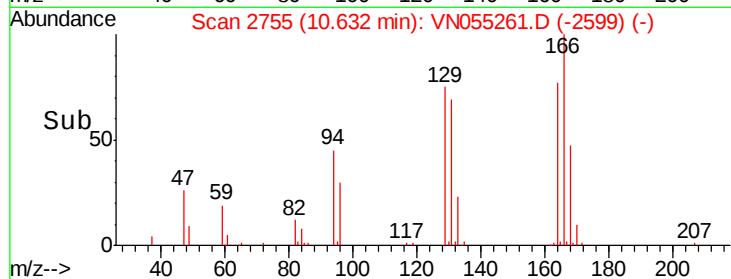
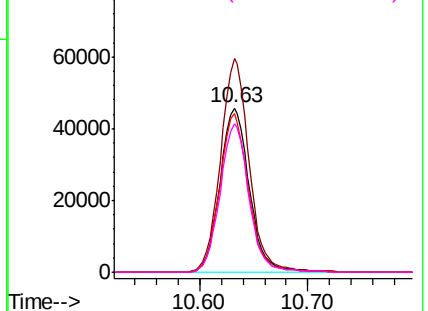


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.628 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055261.D

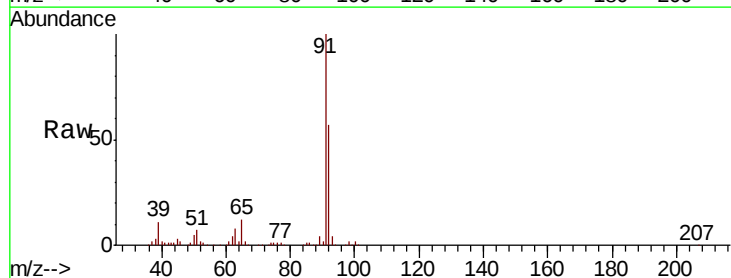
Acq: 25 Apr 2019 23:29

Tgt Ion: 91 Resp: 372706

Ion Ratio Lower Upper

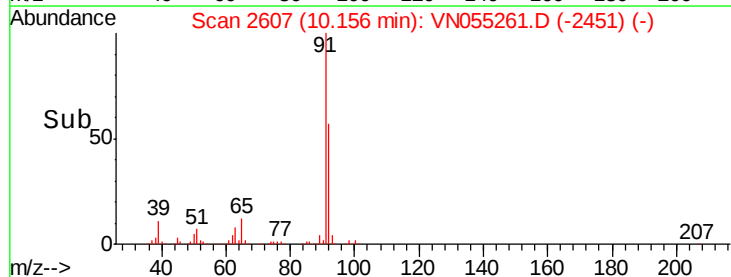
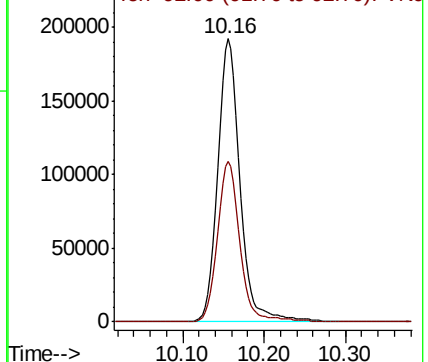
91 100

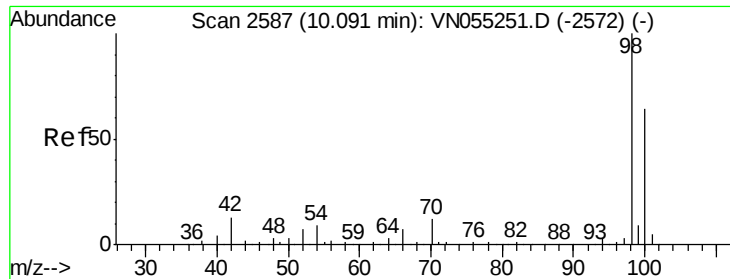
92 55.5 44.3 66.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 20.628 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

ClientSampled :

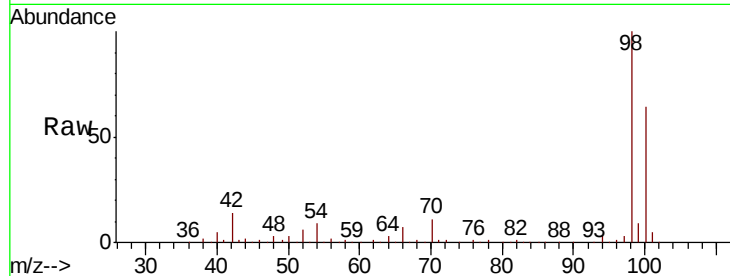
VN0426WBSD01

Tot Ion: 98 Resp: 470426

Ion Ratio Lower Upper

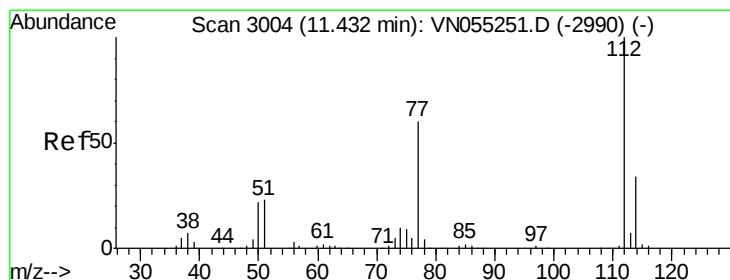
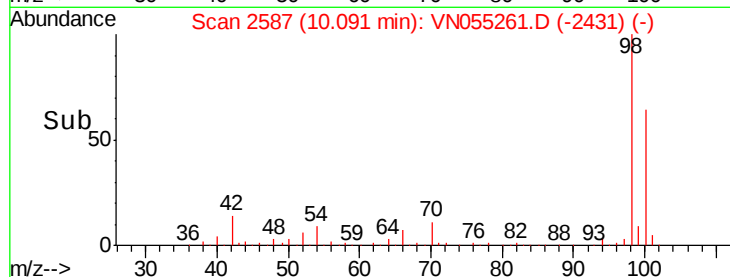
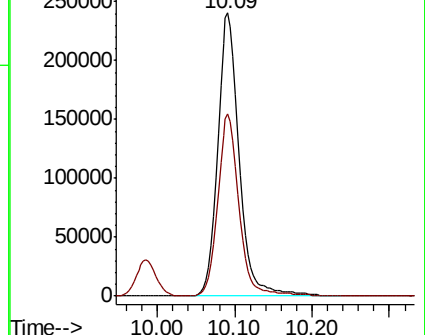
98 100

100 62.9 50.0 75.0



Abundance Ion 98.00 (97.70 to 98.70): VN055251.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN055251.D (-2572) (-)



#64

Chlorobenzene

Concen: 20.145 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN055261.D

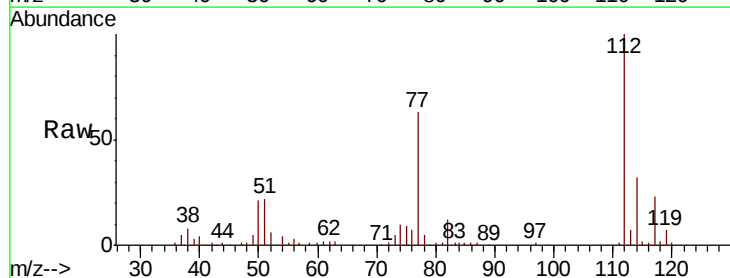
Acq: 25 Apr 2019 23:29

Tgt Ion: 112 Resp: 215633

Ion Ratio Lower Upper

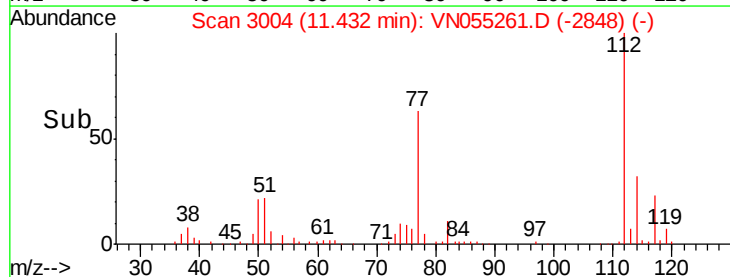
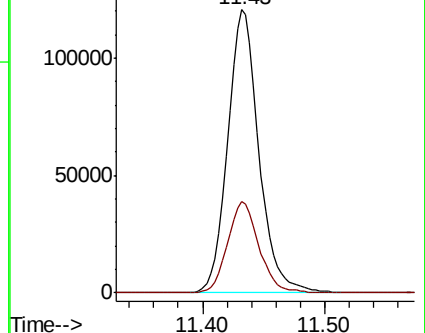
112 100

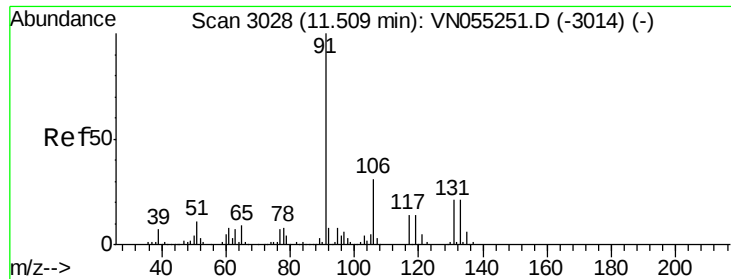
114 32.1 26.9 40.3



Abundance Ion 112.00 (111.70 to 112.70): VN055251.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN055251.D (-2990) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 20.907 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

ClientSampleId :

VN0426WBSD01

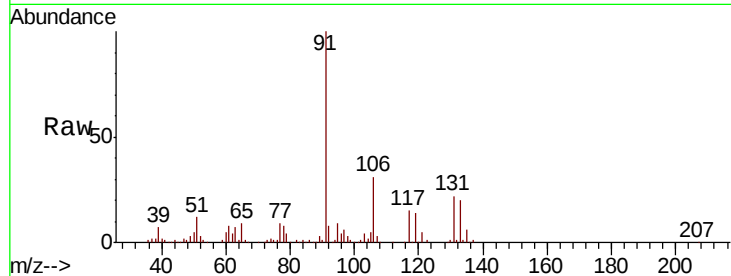
Tot Ion:131 Resp: 83478

Ion Ratio Lower Upper

131 100

133 93.4 0.0 195.6

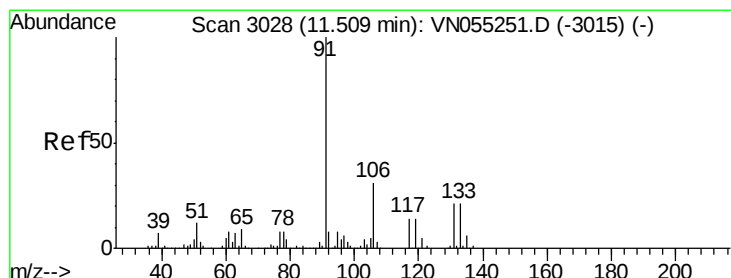
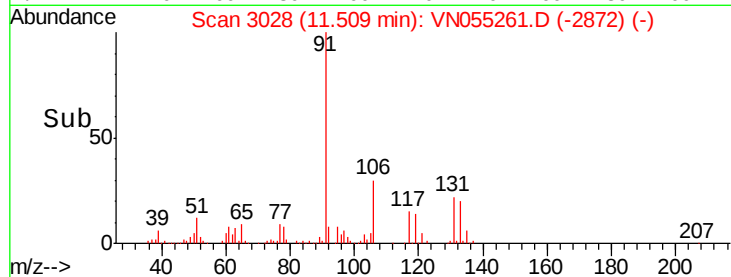
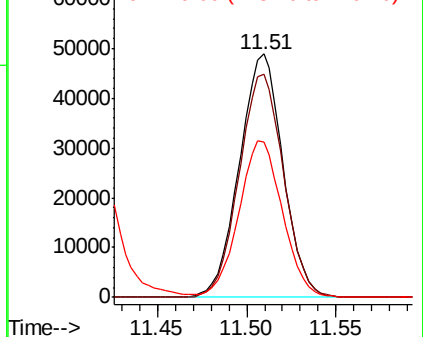
119 64.6 0.0 135.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.122 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN055261.D

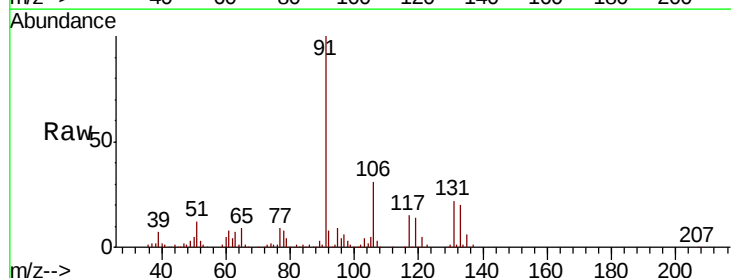
Acq: 25 Apr 2019 23:29

Tgt Ion: 91 Resp: 386413

Ion Ratio Lower Upper

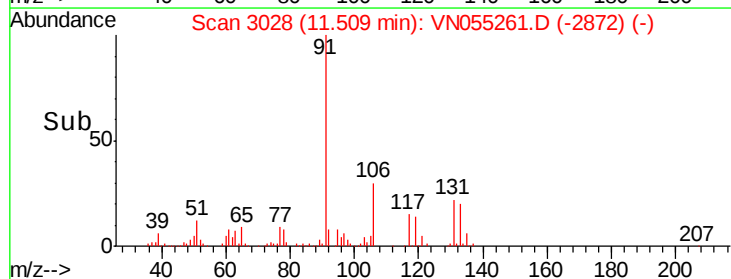
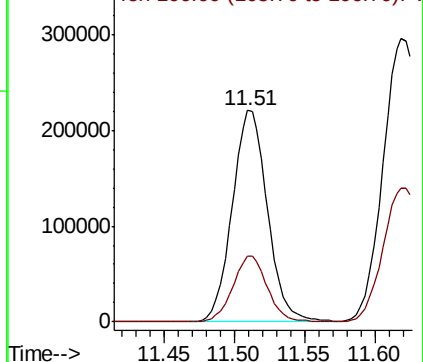
91 100

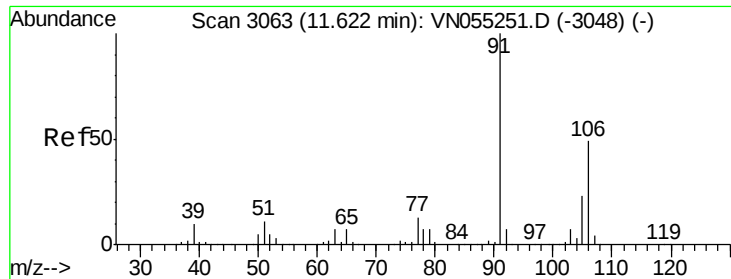
106 31.1 24.5 36.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

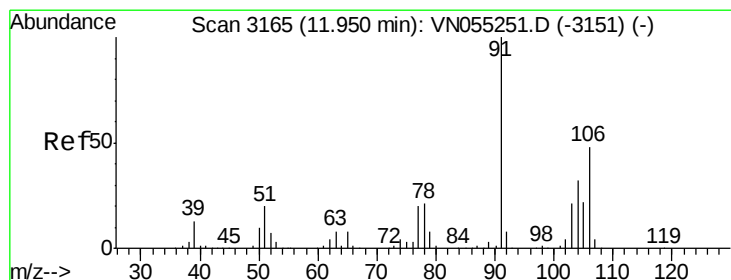
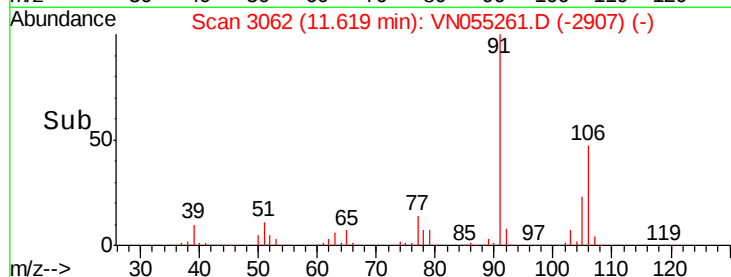
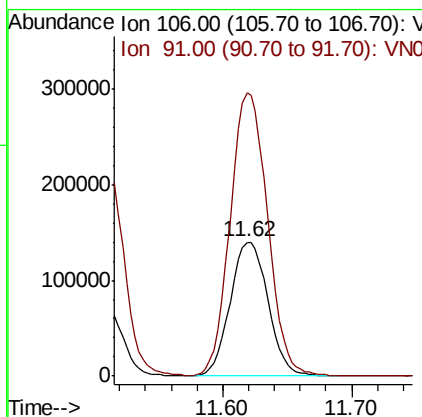
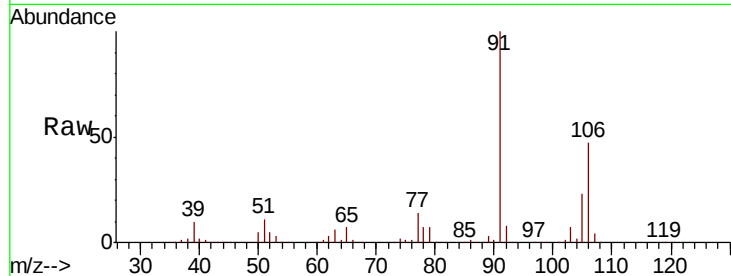




#67
m/p-Xylenes
Concen: 40.616 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

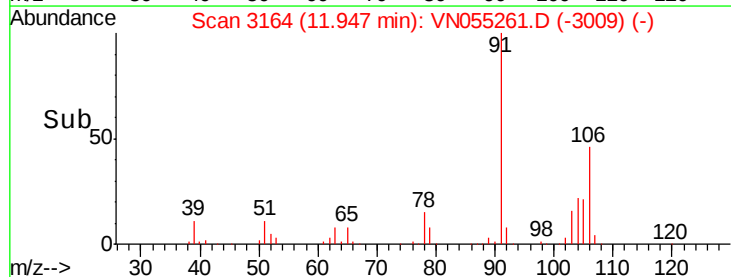
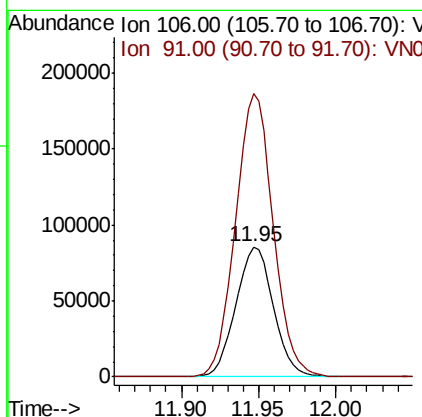
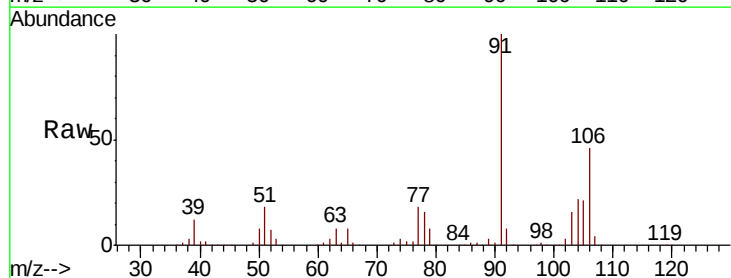
Instrument :
MSVOA_N
ClientSampleId :
VN0426WBSD01

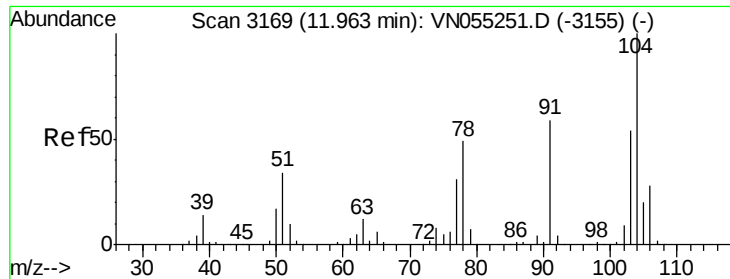
Tot Ion:106 Resp: 285625
Ion Ratio Lower Upper
106 100
91 208.5 165.4 248.2



#68
o-Xylene
Concen: 20.613 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

Tgt Ion:106 Resp: 144673
Ion Ratio Lower Upper
106 100
91 217.6 106.8 320.4





#69

Stvrene

Concen: 19.591 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

ClientSampleId :

VN0426WBSD01

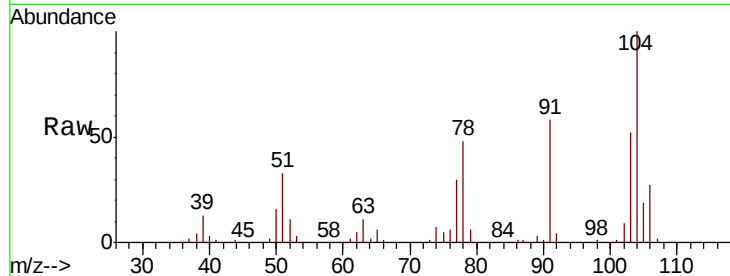
Tot Ion:104 Resp: 213012

Ion Ratio Lower Upper

104 100

78 53.2 42.4 63.6

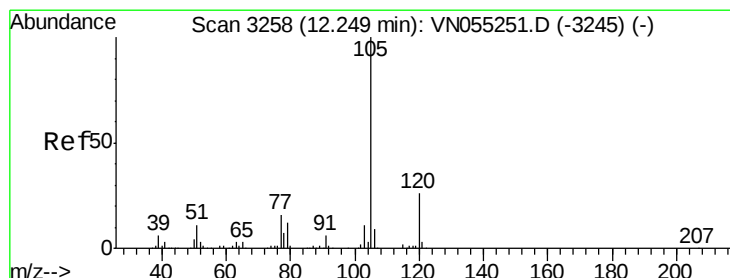
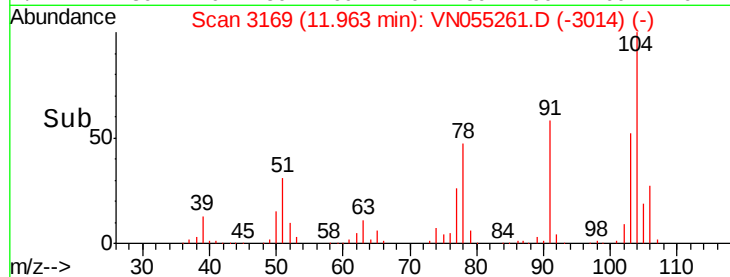
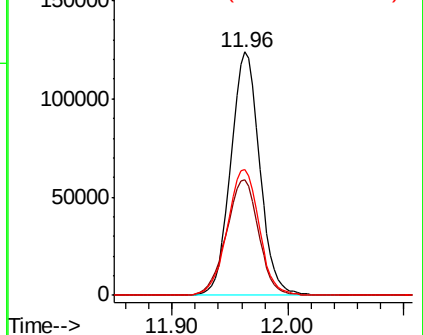
103 57.0 45.3 67.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 20.720 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN055261.D

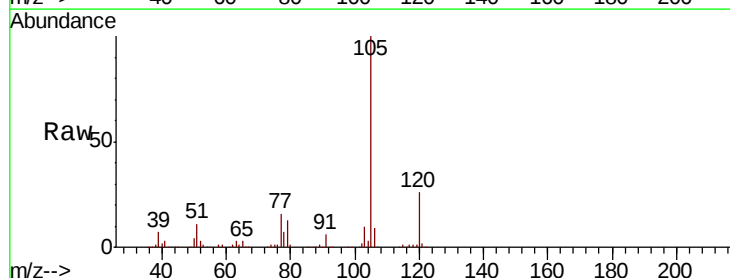
Acq: 25 Apr 2019 23:29

Tgt Ion:105 Resp: 382807

Ion Ratio Lower Upper

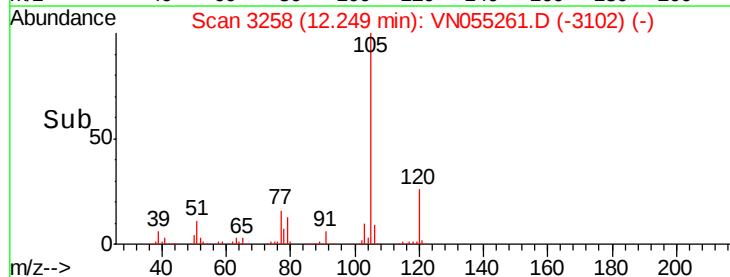
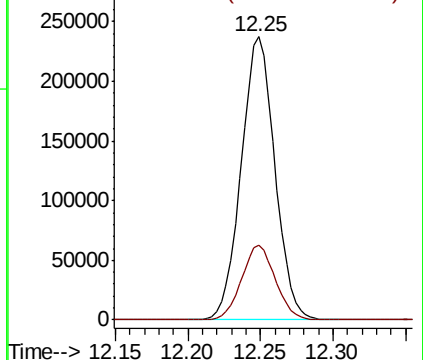
105 100

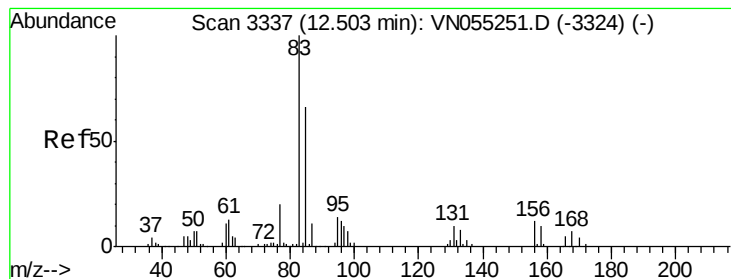
120 26.4 18.1 33.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 20.470 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

ClientSampleId :

VN0426WBSD01

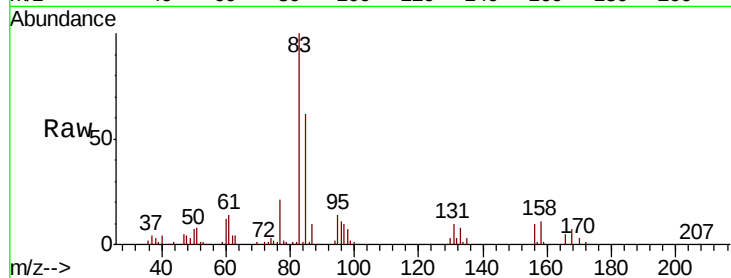
Tot Ion: 83 Resp: 104231

Ion Ratio Lower Upper

83 100

131 9.7 5.0 14.9

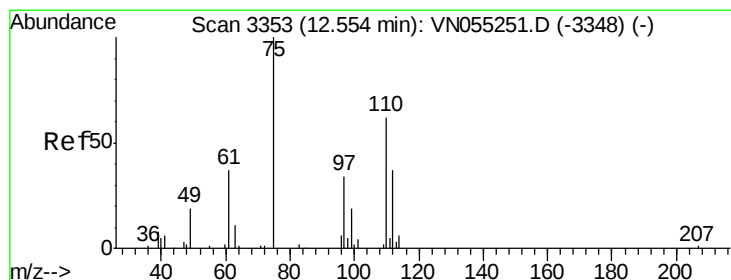
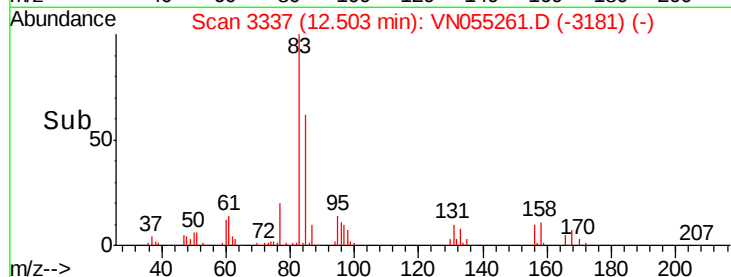
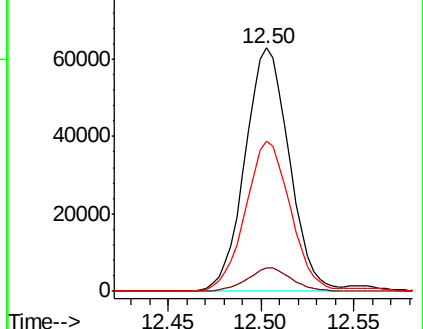
85 62.7 32.3 96.8



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 25.929 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055261.D

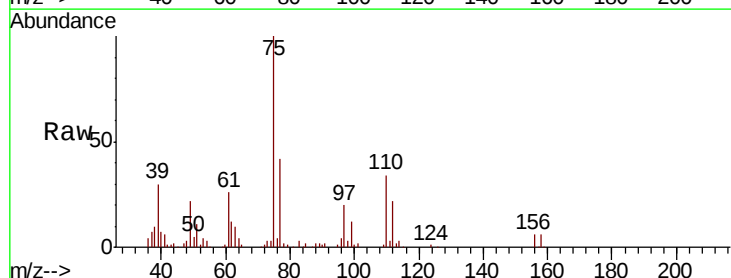
Acq: 25 Apr 2019 23:29

Tgt Ion: 75 Resp: 114453

Ion Ratio Lower Upper

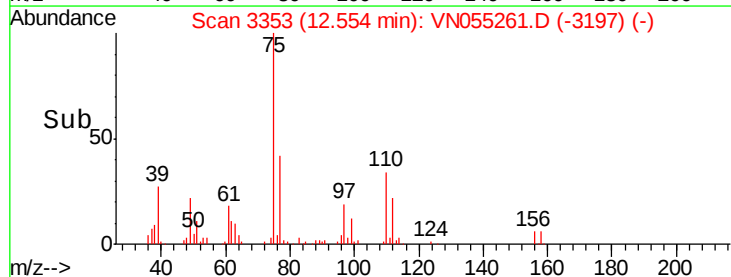
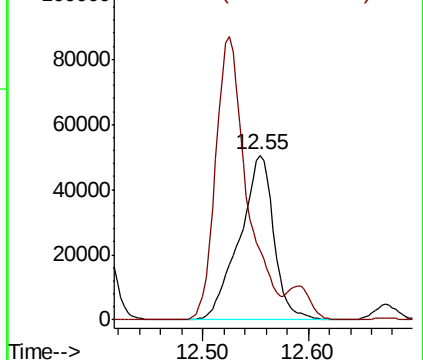
75 100

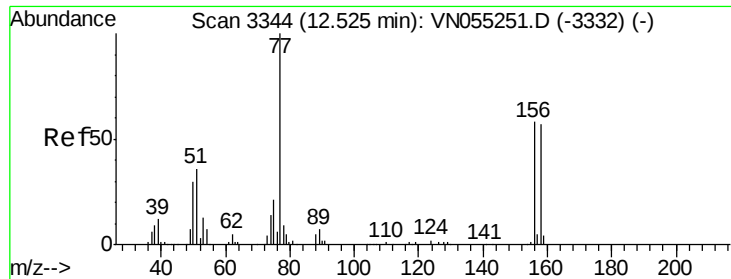
77 155.7 0.0 410.2



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 19.330 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

ClientSampleId :

VN0426WBSD01

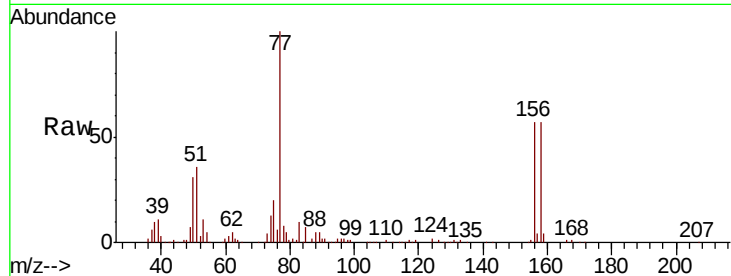
Tot Ion:156 Resp: 84891

Ion Ratio Lower Upper

156 100

77 210.0 0.0 403.2

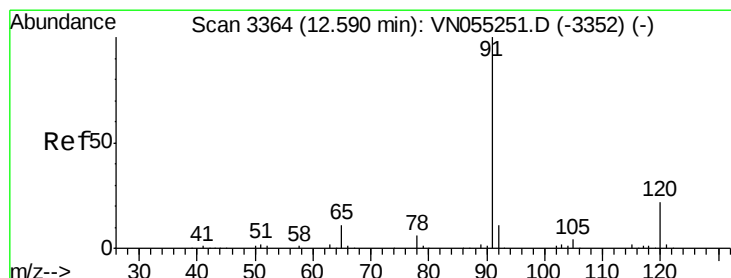
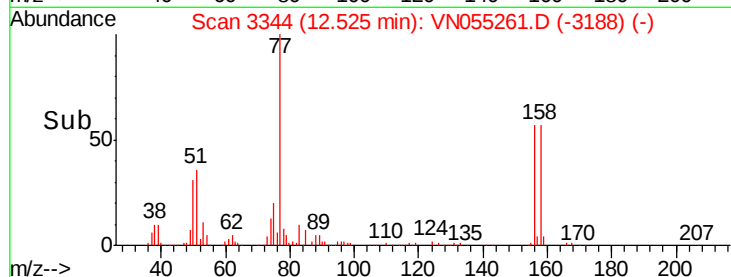
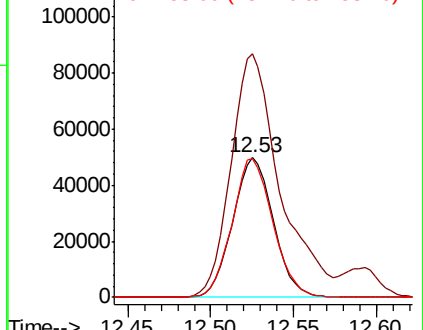
158 99.8 0.0 195.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.750 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055261.D

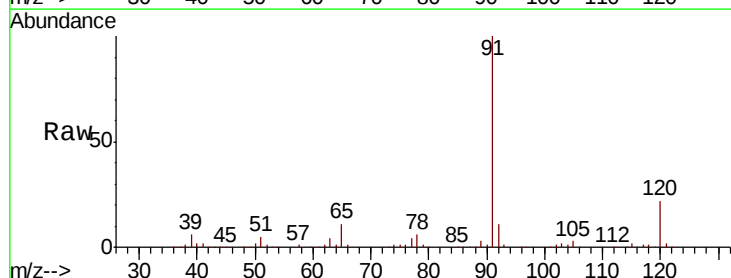
Acq: 25 Apr 2019 23:29

Tgt Ion: 91 Resp: 407204

Ion Ratio Lower Upper

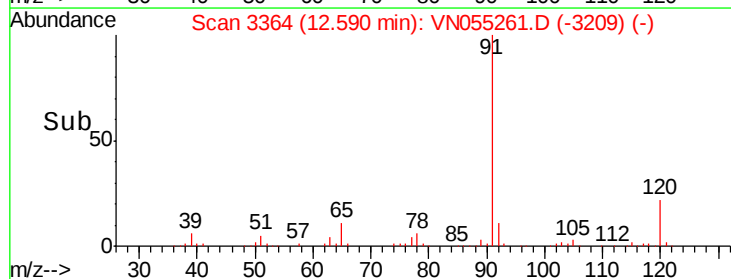
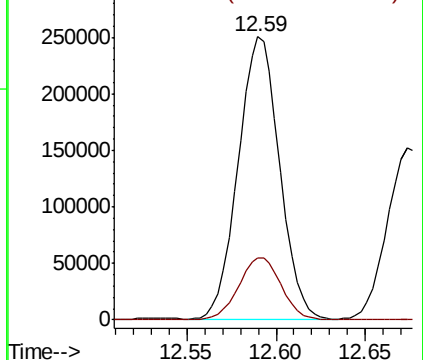
91 100

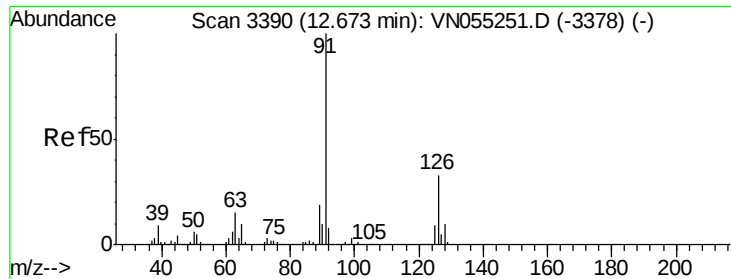
120 22.4 0.0 43.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.314 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

ClientSampleId :

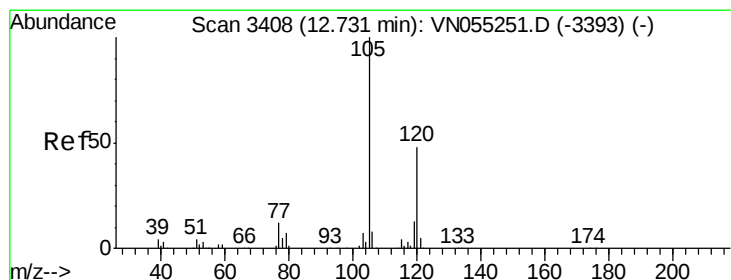
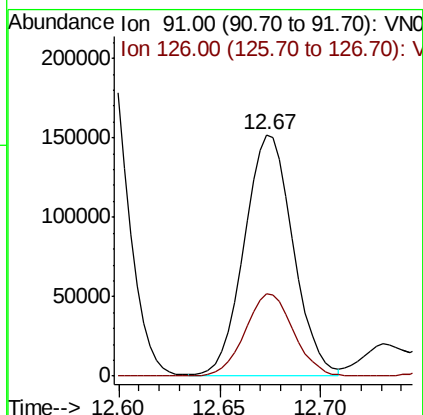
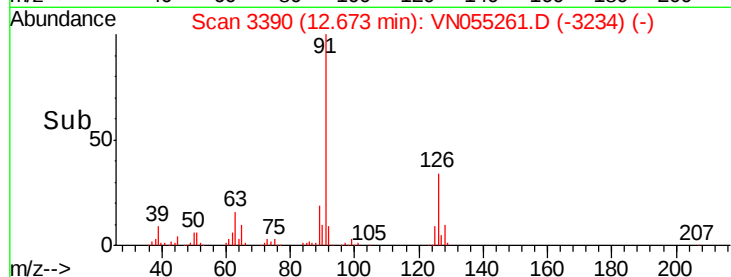
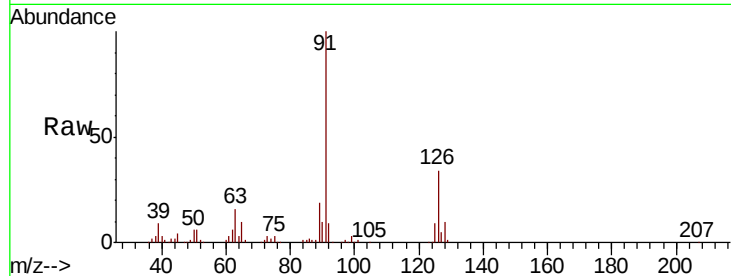
VN0426WBSD01

Tot Ion: 91 Resp: 256911

Ion Ratio Lower Upper

91 100

126 33.8 0.0 65.8



#76

1,3,5-Trimethylbenzene

Concen: 19.834 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055261.D

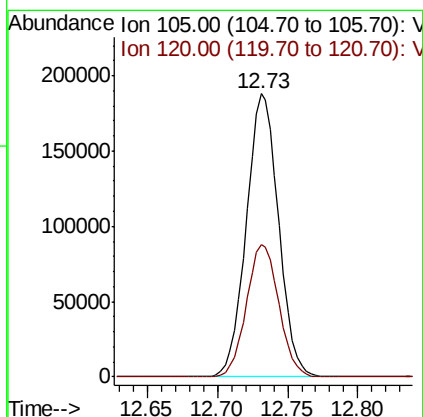
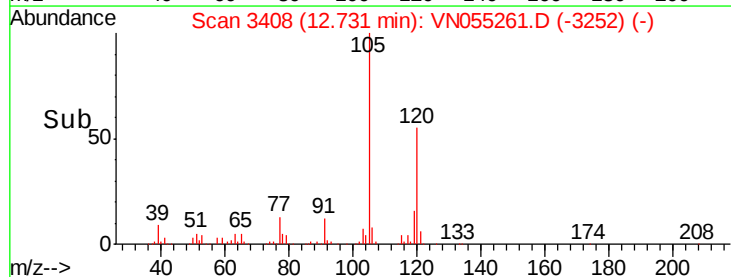
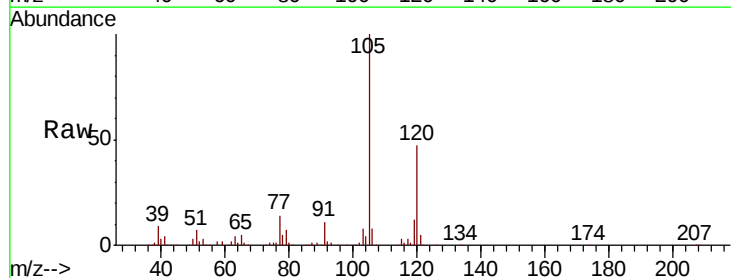
Acq: 25 Apr 2019 23:29

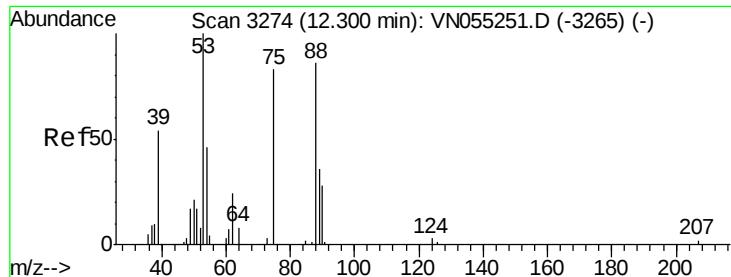
Tgt Ion: 105 Resp: 300710

Ion Ratio Lower Upper

105 100

120 47.1 0.0 94.8





#77

t-1,4-Dichloro-2-butene

Concen: 17.370 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

ClientSampleId :

VN0426WBSD01

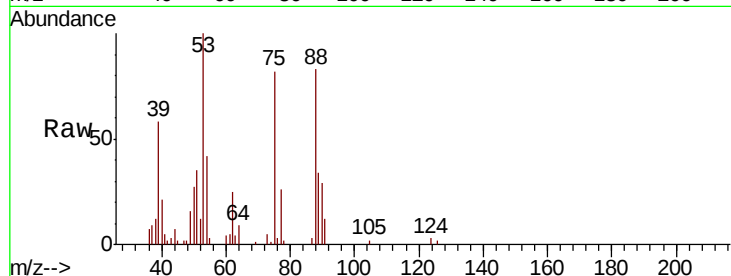
Tot Ion: 75 Resp: 20407

Ion Ratio Lower Upper

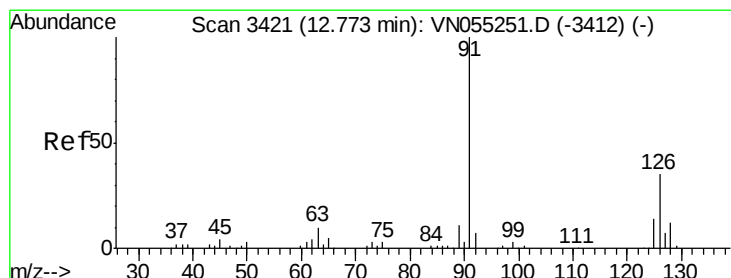
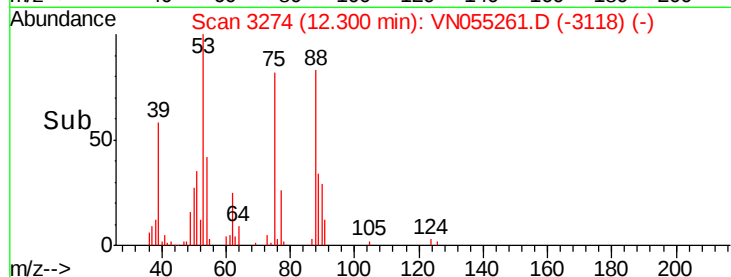
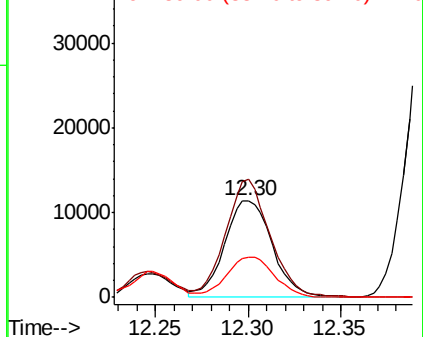
75 100

53 120.5 59.5 178.5

89 41.5 23.1 69.2



Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.383 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN055261.D

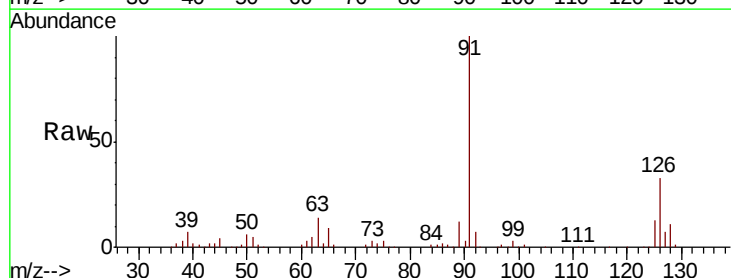
Acq: 25 Apr 2019 23:29

Tgt Ion: 91 Resp: 233036

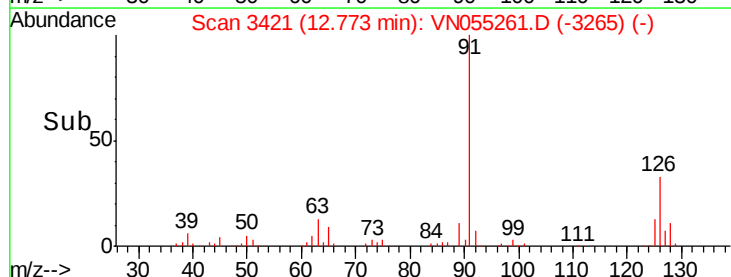
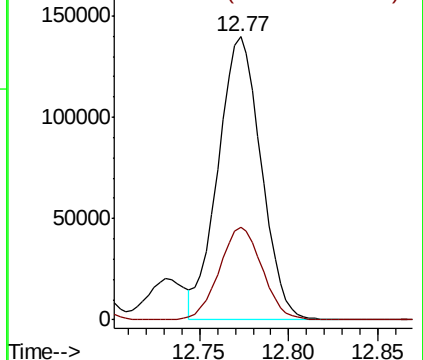
Ion Ratio Lower Upper

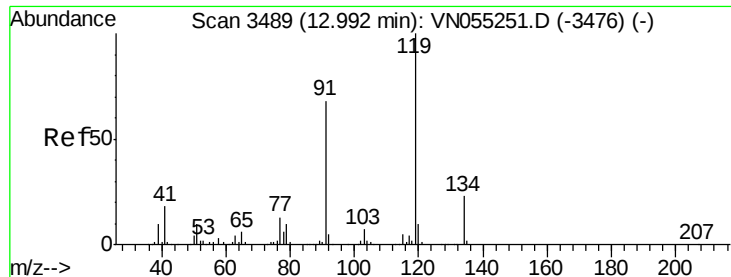
91 100

126 32.7 0.0 66.8



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 126.00 (125.70 to 126.70): V

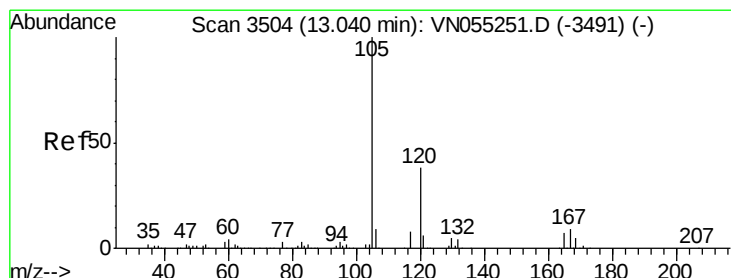
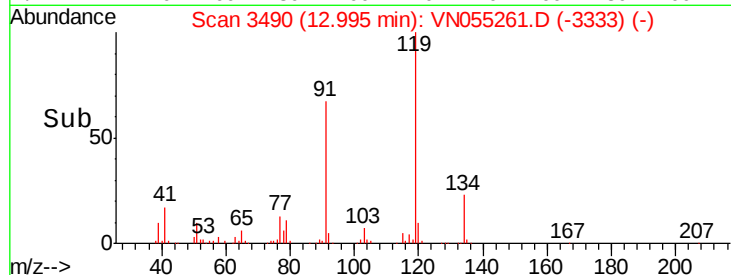
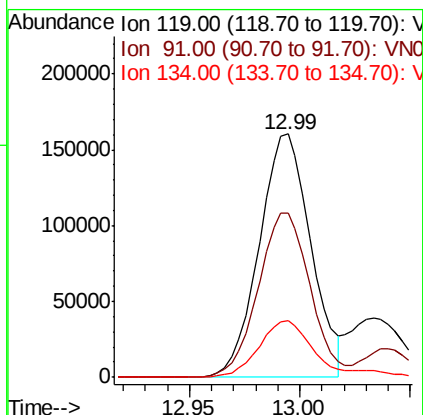
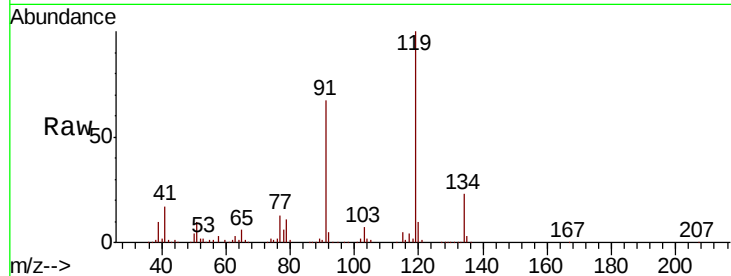




#79
tert-butylbenzene
Concen: 19.996 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

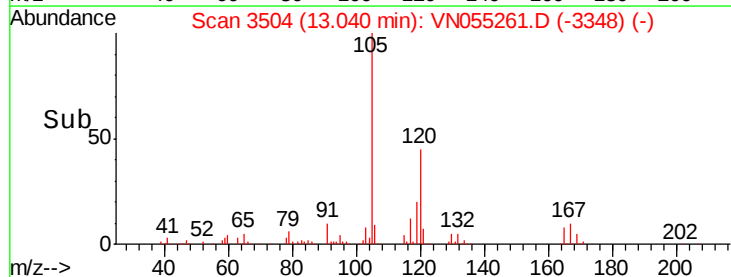
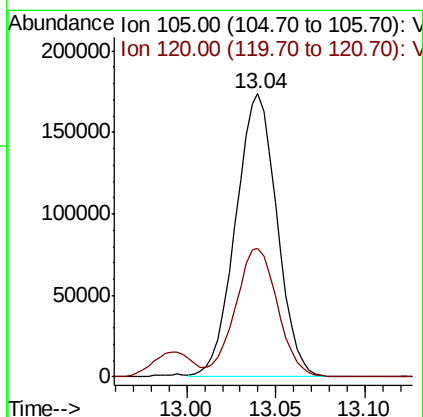
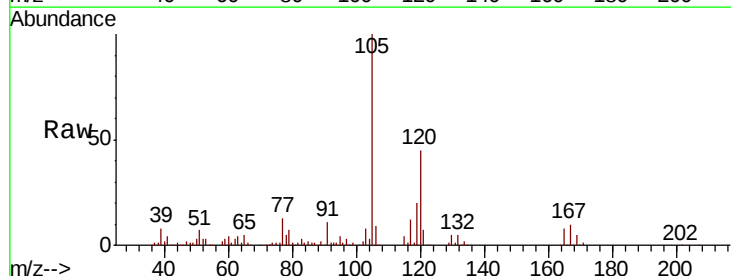
Instrument :
MSVOA_N
ClientSampleId :
VN0426WBSD01

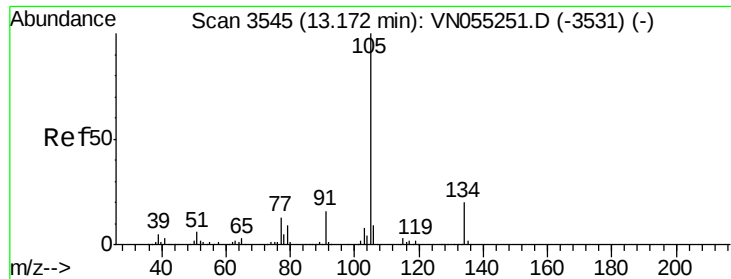
Tot Ion:119 Resp: 261143
Ion Ratio Lower Upper
119 100
91 68.2 0.0 135.6
134 23.4 0.0 47.8



#80
1,2,4-Trimethylbenzene
Concen: 19.133 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

Tgt Ion:105 Resp: 279694
Ion Ratio Lower Upper
105 100
120 46.3 0.0 88.6

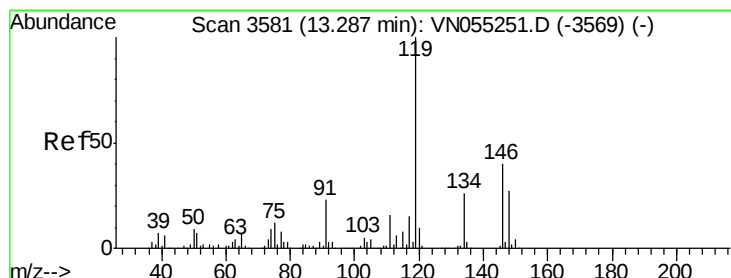
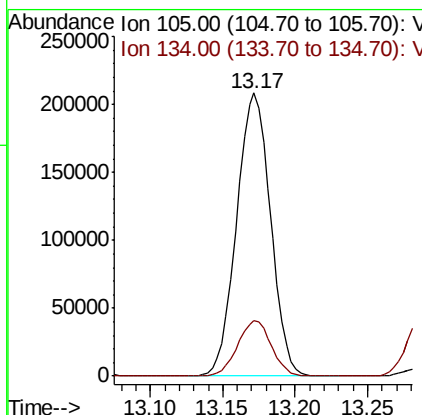
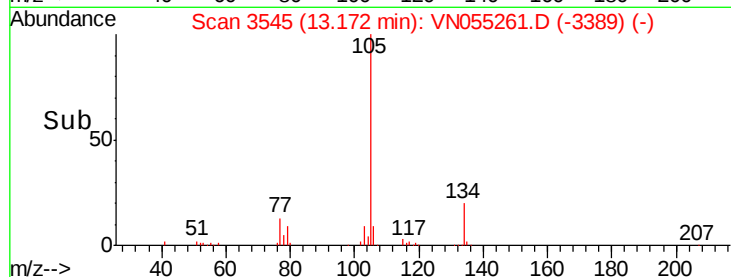
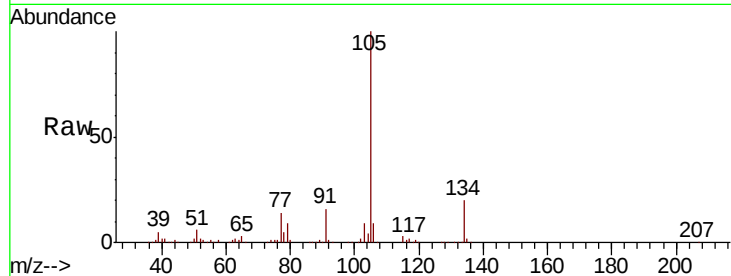




#81
 sec-Butylbenzene
 Concen: 19.621 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN055261.D
 Acq: 25 Apr 2019 23:29

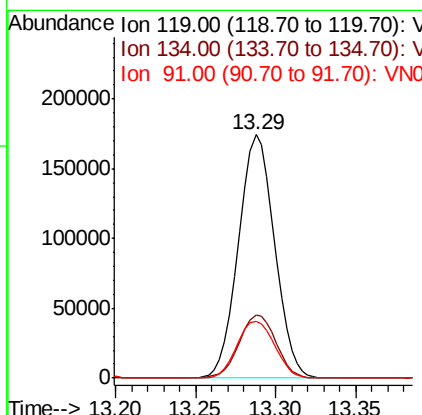
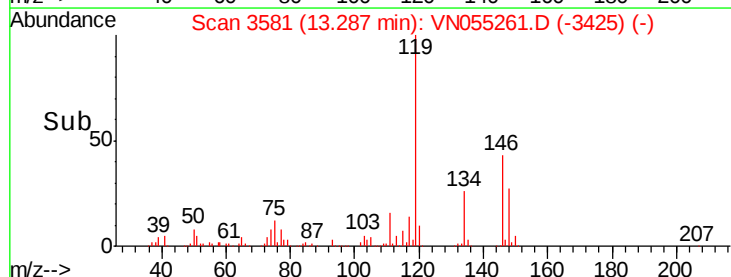
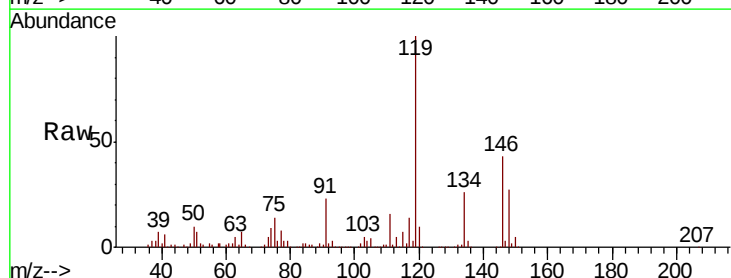
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0426WBSD01

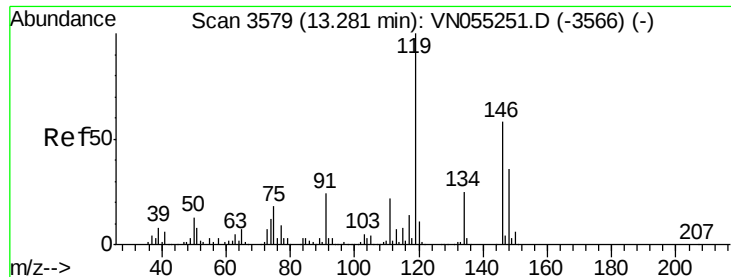
Tot Ion:105 Resp: 338728
 Ion Ratio Lower Upper
 105 100
 134 19.4 0.0 39.8



#82
 p-Isopropyltoluene
 Concen: 18.721 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN055261.D
 Acq: 25 Apr 2019 23:29

Tgt Ion:119 Resp: 268093
 Ion Ratio Lower Upper
 119 100
 134 26.4 0.0 53.2
 91 24.3 0.0 47.6

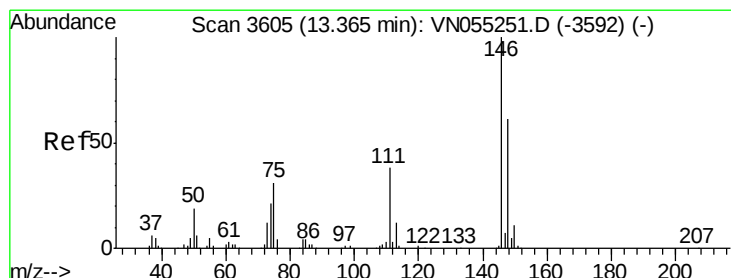
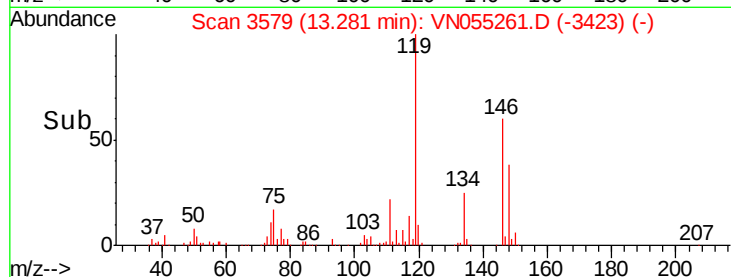
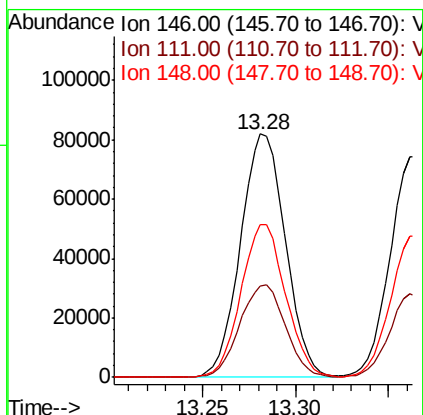
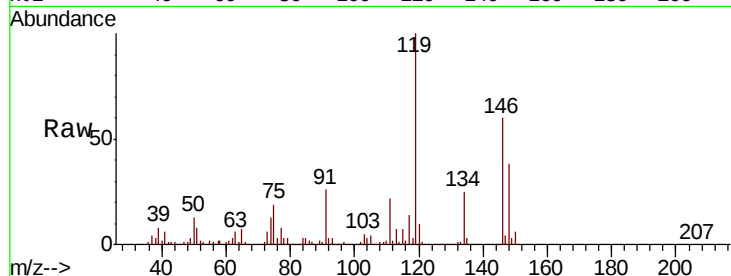




#83
 1,3-Dichlorobenzene
 Concen: 19.341 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN055261.D
 Acq: 25 Apr 2019 23:29

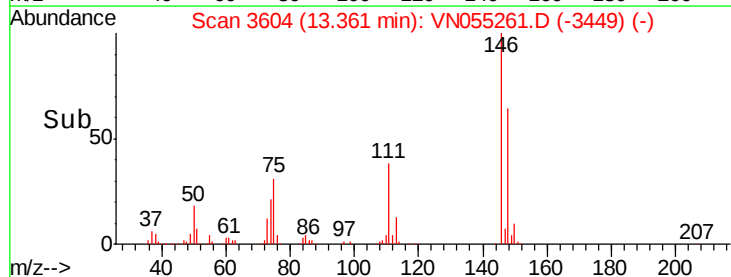
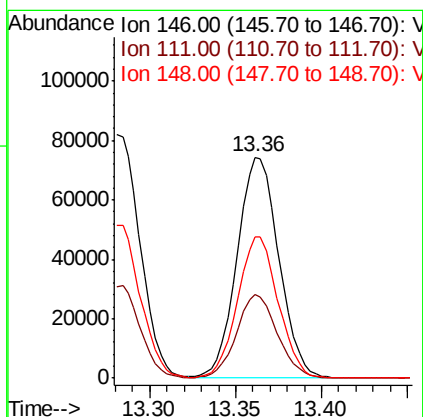
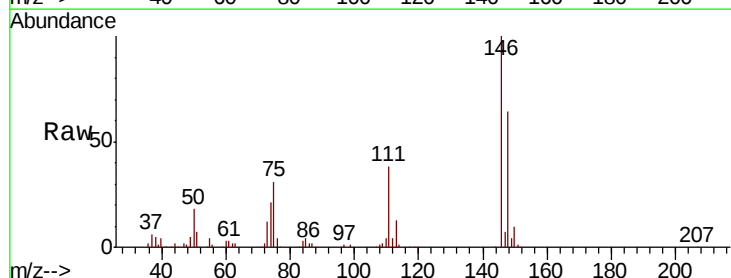
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0426WBSD01

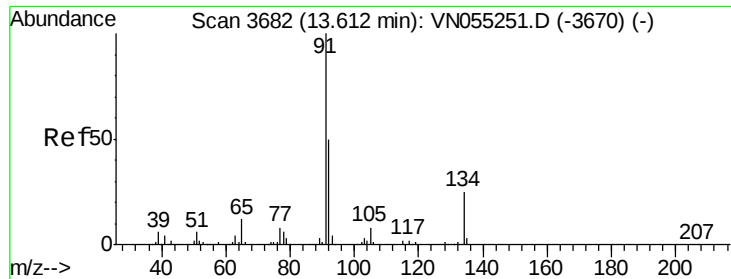
Tot Ion:146 Resp: 137782
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.9 59.7
 148 62.4 32.8 98.3



#84
 1,4-Dichlorobenzene
 Concen: 18.585 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055261.D
 Acq: 25 Apr 2019 23:29

Tgt Ion:146 Resp: 124965
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.9 56.5
 148 62.6 31.4 94.3

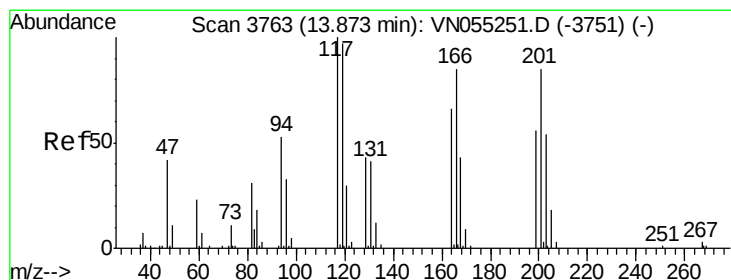
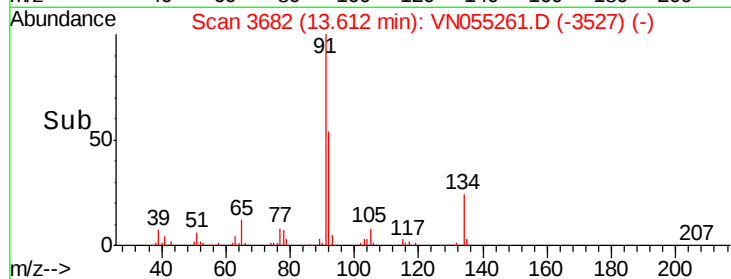
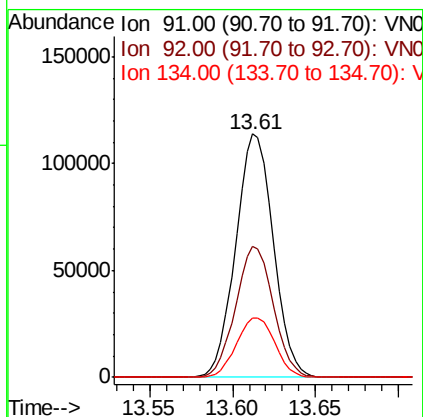
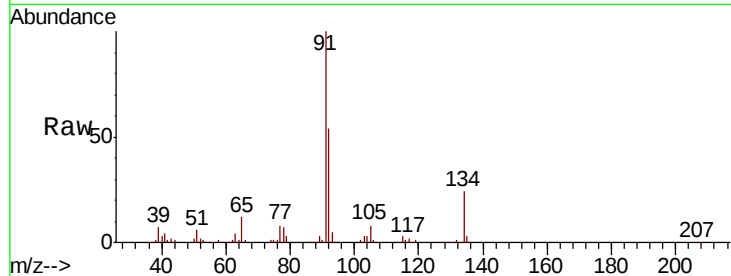




#85
n-Butylbenzene
Concen: 16.452 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

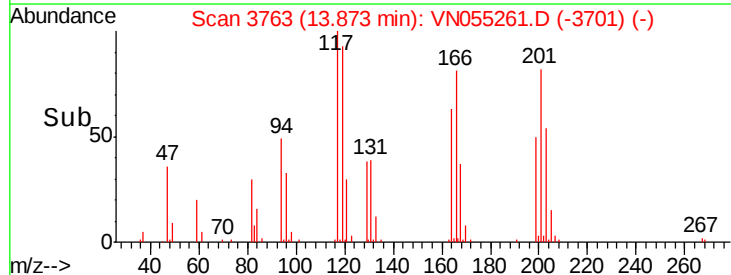
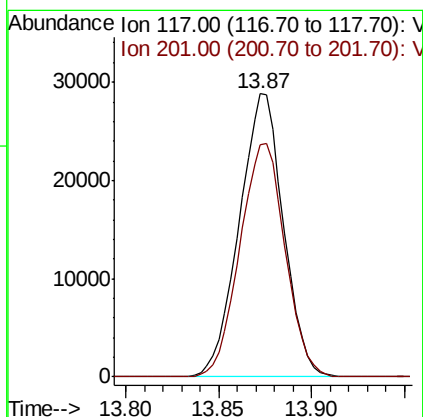
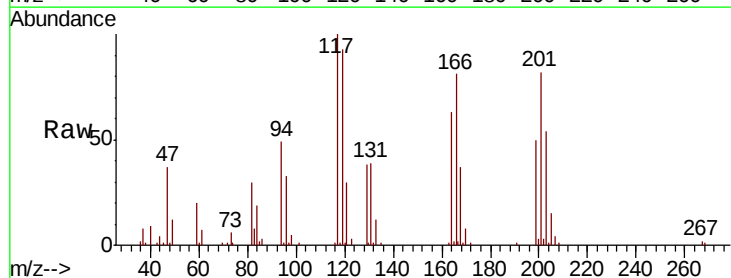
Instrument :
MSVOA_N
ClientSampled :
VN0426WBSD01

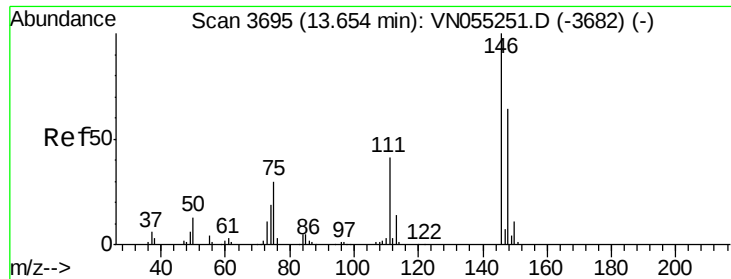
Tot Ion: 91 Resp: 179638
Ion Ratio Lower Upper
91 100
92 53.8 0.0 102.8
134 25.0 0.0 50.0



#86
Hexachloroethane
Concen: 19.506 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

Tgt Ion: 117 Resp: 47651
Ion Ratio Lower Upper
117 100
201 84.3 44.5 133.7





#87

1,2-Dichlorobenzene

Concen: 19.564 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

ClientSampleId :

VN0426WBSD01

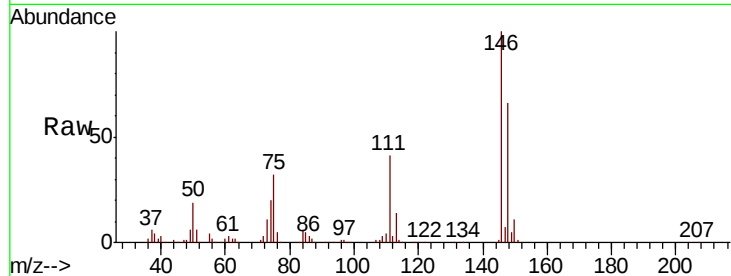
Tot Ion:146 Resp: 139464

Ion Ratio Lower Upper

146 100

111 40.1 20.8 62.2

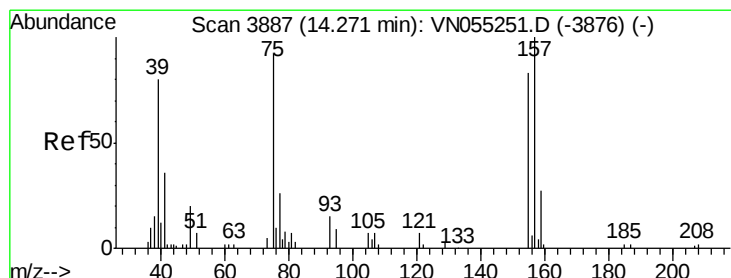
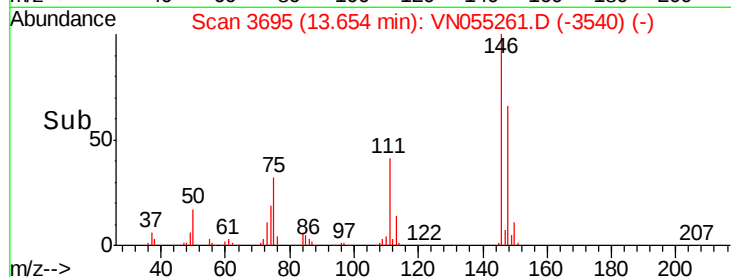
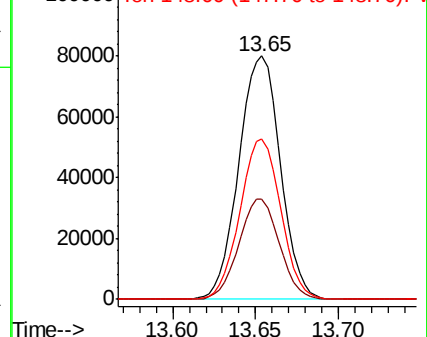
148 64.6 31.9 95.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 16.829 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

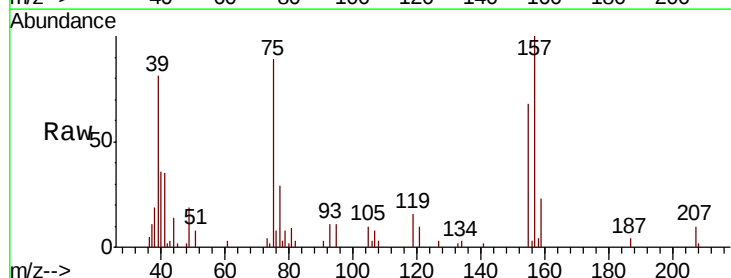
Tgt Ion: 75 Resp: 12543

Ion Ratio Lower Upper

75 100

155 80.5 70.4 105.6

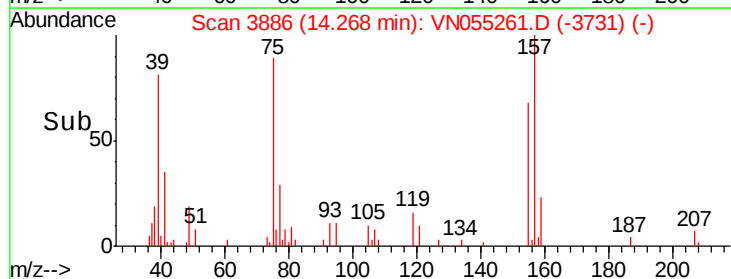
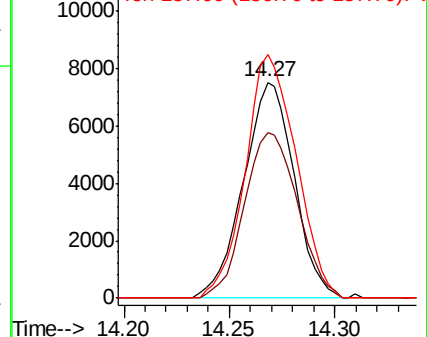
157 113.6 88.5 132.7

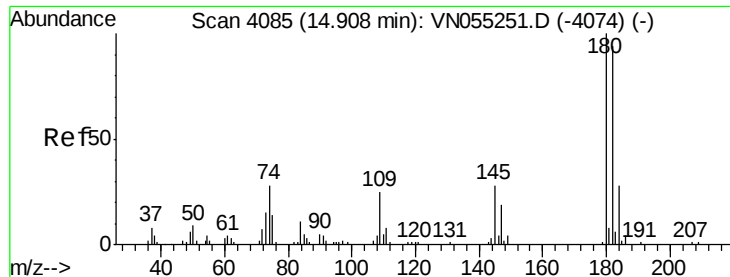


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

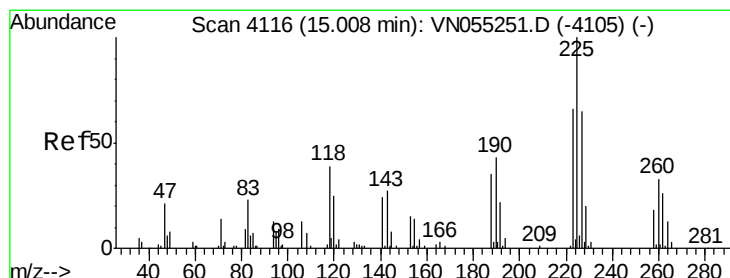
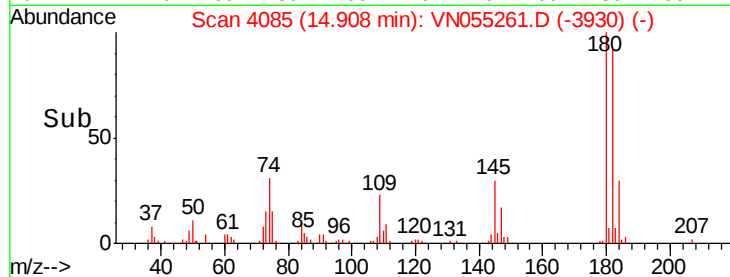
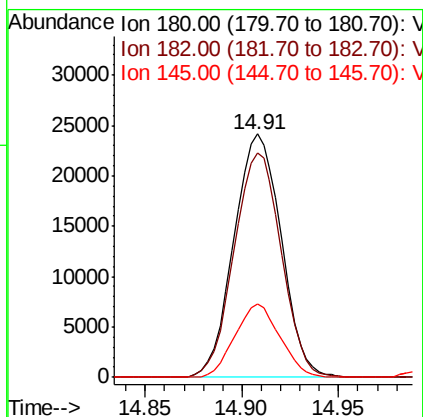
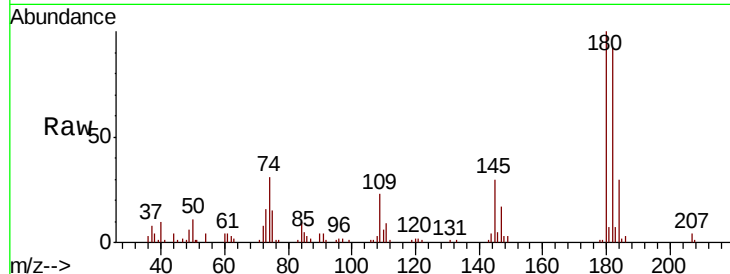




#89
 1,2,4-Trichlorobenzene
 Concen: 14.580 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN055261.D
 Acq: 25 Apr 2019 23:29

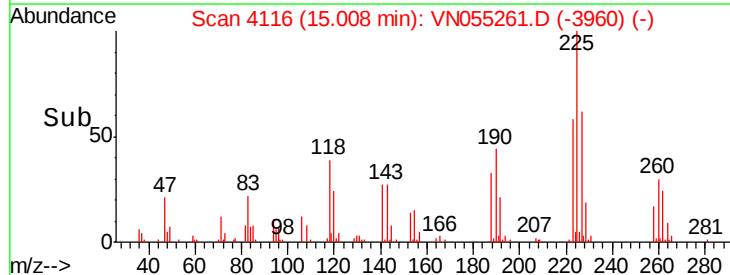
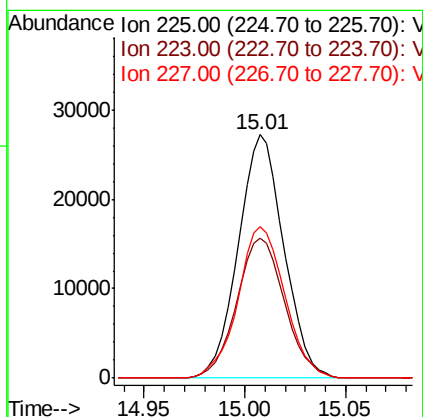
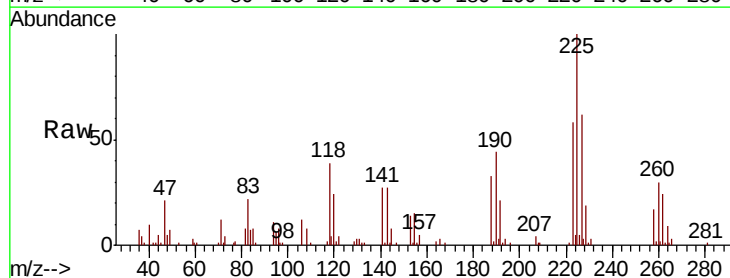
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0426WBSD01

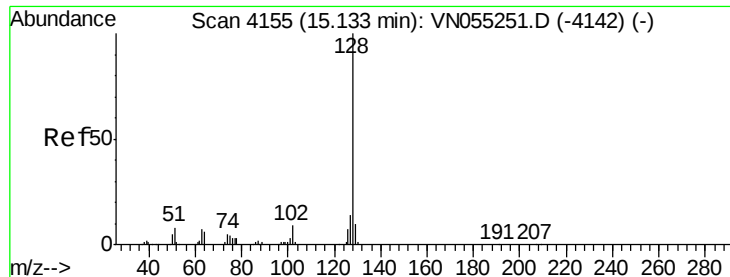
Tot Ion	Ratio	Lower	Upper
180	100		
182	91.9	74.8	112.2
145	28.6	23.2	34.8



#90
 Hexachlorobutadiene
 Concen: 18.023 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN055261.D
 Acq: 25 Apr 2019 23:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.4	0.0	125.2
227	63.9	0.0	128.4





#91

Naphthalene

Concen: 13.540 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

ClientSampleId :

VN0426WBSD01

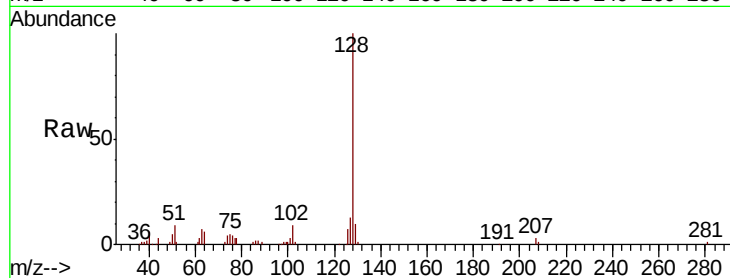
Tot Ion:128 Resp: 88249

Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

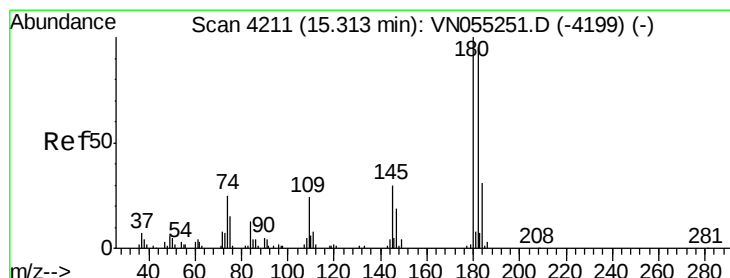
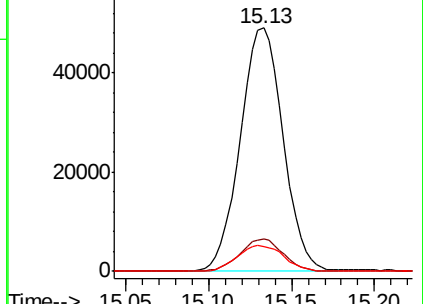
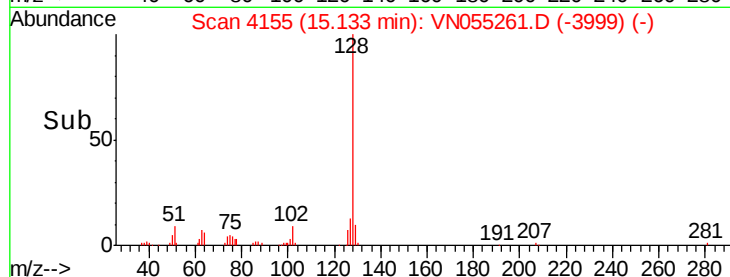
129 11.4 8.0 12.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 14.938 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

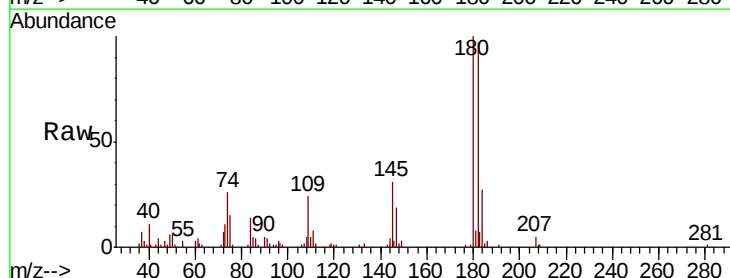
Tgt Ion:180 Resp: 43960

Ion Ratio Lower Upper

180 100

182 100.2 0.0 188.0

145 31.3 0.0 60.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

