

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040319\
 Data File : VN054918.D
 Acq On : 3 Apr 2019 11:37
 Operator : JC/SP
 Sample : VN0403MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 04 01:10:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	407111	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	685295	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	591390	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	243746	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	289350	52.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.44%	
35) Dibromofluoromethane	7.59	113	231244	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
50) Toluene-d8	10.09	98	839297	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
62) 4-Bromofluorobenzene	12.40	95	275042	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	80642	19.583	ug/l 99
3) Chloromethane	2.06	50	112943	19.836	ug/l 98
4) Vinyl Chloride	2.19	62	103609	20.263	ug/l 98
5) Bromomethane	2.58	94	57815	20.228	ug/l 96
6) Chloroethane	2.71	64	58002	20.315	ug/l 98
7) Trichlorofluoromethane	3.02	101	132561	21.087	ug/l 99
8) Diethyl Ether	3.41	74	45529	22.493	ug/l 72
9) 1,1,2-Trichlorotrifluoroet	3.75	101	71754	21.683	ug/l 94
10) Methyl Iodide	3.95	142	92755	20.475	ug/l # 89
11) Tert butyl alcohol	4.82	59	32743	114.513	ug/l # 70
12) 1,1-Dichloroethene	3.73	96	68101	21.281	ug/l # 79
13) Acrolein	3.61	56	23597	92.313	ug/l 94
14) Allyl chloride	4.32	41	165692	21.021	ug/l # 90
15) Acrylonitrile	4.99	53	181298	114.074	ug/l 99
16) Acetone	3.82	43	154377	117.963	ug/l # 84
17) Carbon Disulfide	4.04	76	186703	17.988	ug/l 97
18) Methyl Acetate	4.33	43	82427	23.698	ug/l # 88
19) Methyl tert-butyl Ether	5.06	73	244616	21.852	ug/l 93
20) Methylene Chloride	4.54	84	100379	21.745	ug/l # 83
21) trans-1,2-Dichloroethene	5.04	96	87757	20.878	ug/l 85
22) Diisopropyl ether	5.96	45	348812	22.374	ug/l # 91
23) Vinyl Acetate	5.90	43	1198578	110.477	ug/l # 93
24) 1,1-Dichloroethane	5.85	63	183036	22.009	ug/l 97
25) 2-Butanone	6.85	43	230581	119.195	ug/l # 85
26) 2,2-Dichloropropane	6.83	77	122765	21.062	ug/l 98
27) cis-1,2-Dichloroethene	6.83	96	104559	22.020	ug/l 88
28) Bromochloromethane	7.20	49	99170	23.848	ug/l # 71
29) Tetrahydrofuran	7.22	42	148062	110.198	ug/l # 85
30) Chloroform	7.37	83	178126	22.462	ug/l 98
31) Cyclohexane	7.65	56	167265	20.873	ug/l 86
32) 1,1,1-Trichloroethane	7.57	97	144888	22.047	ug/l 95
36) 1,1-Dichloropropene	7.79	75	123890	19.401	ug/l 96
37) Ethyl Acetate	6.94	43	98816	21.102	ug/l 96
38) Carbon Tetrachloride	7.77	117	123707	19.946	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	140632	20.032	ug/l	88
40) Benzene	8.04	78	383718	21.001	ug/l	99
41) Methacrylonitrile	7.18	41	64804	24.635	ug/l #	83
42) 1,2-Dichloroethane	8.12	62	138201	21.183	ug/l	97
43) Isopropyl Acetate	8.17	43	165876	21.801	ug/l #	94
44) Trichloroethene	8.83	130	98190	20.702	ug/l	89
45) 1,2-Dichloropropane	9.12	63	112277	21.550	ug/l	100
46) Dibromomethane	9.21	93	64091	21.868	ug/l	86
47) Bromodichloromethane	9.40	83	131534	21.594	ug/l	94
48) Methyl methacrylate	9.20	41	84369	20.455	ug/l #	86
49) 1,4-Dioxane	9.20	88	18308	447.359	ug/l #	86
51) 4-Methyl-2-Pentanone	9.99	43	484227	113.194	ug/l	92
52) Toluene	10.16	92	232812	21.413	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	117888	20.575	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	148072	21.634	ug/l	91
55) 1,1,2-Trichloroethane	10.56	97	89353	22.102	ug/l	97
56) Ethyl methacrylate	10.43	69	112140	21.145	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	151007	21.726	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	218304	101.958	ug/l	89
59) 2-Hexanone	10.75	43	300962	109.900	ug/l	90
60) Dibromochloromethane	10.90	129	87885	21.460	ug/l	99
61) 1,2-Dibromoethane	11.00	107	83721	21.670	ug/l	97
64) Tetrachloroethene	10.63	164	93799	20.669	ug/l	97
65) Chlorobenzene	11.43	112	238253	20.577	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	90054	20.779	ug/l	98
67) Ethyl Benzene	11.51	91	435888	20.861	ug/l	97
68) m/p-Xylenes	11.62	106	313766	40.579	ug/l	93
69) o-Xylene	11.95	106	154810	20.417	ug/l	94
70) Styrene	11.96	104	256556	21.162	ug/l	96
71) Bromoform	12.13	173	51418	20.251	ug/l #	99
73) Isopropylbenzene	12.25	105	416901	20.926	ug/l	98
74) N-amyl acetate	12.07	43	122964	19.811	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	107741	23.628	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	120875	28.546	ug/l #	100
77) Bromobenzene	12.53	156	102109	21.236	ug/l	85
78) n-propylbenzene	12.59	91	453798	20.724	ug/l	96
79) 2-Chlorotoluene	12.67	91	279082	20.601	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	342366	20.943	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	21098	19.381	ug/l #	81
82) 4-Chlorotoluene	12.77	91	270463	20.555	ug/l	96
83) tert-Butylbenzene	12.99	119	293305	21.987	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	330083	21.194	ug/l	97
85) sec-Butylbenzene	13.17	105	370049	20.838	ug/l	97
86) p-Isopropyltoluene	13.29	119	323920	20.681	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	162971	20.244	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	157897	19.998	ug/l	97
89) n-Butylbenzene	13.61	91	255868	20.023	ug/l	95
90) Hexachloroethane	13.87	117	52232	19.641	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	165610	20.384	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14588	21.419	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	68158	17.401	ug/l	98
94) Hexachlorobutadiene	15.01	225	50393	20.482	ug/l	97
95) Naphthalene	15.13	128	156990	17.871	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	72952	18.442	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

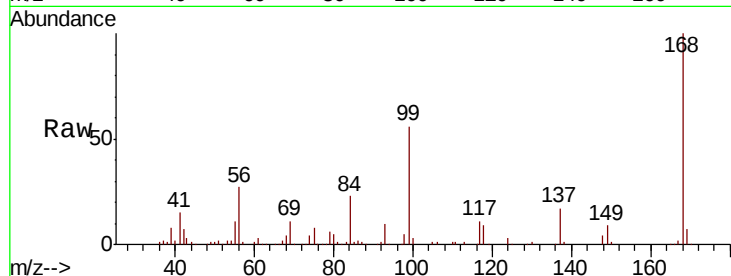
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 407111

Ion Ratio Lower Upper

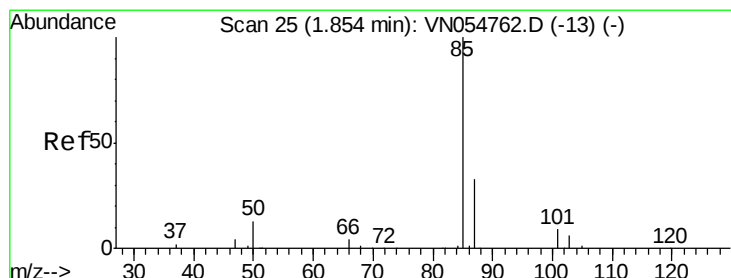
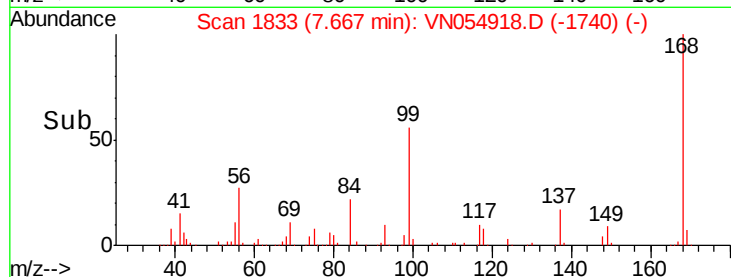
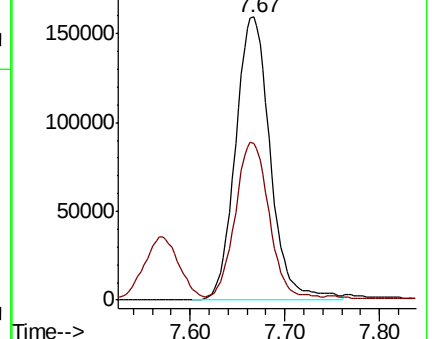
168 100

99 54.5 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 19.583 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054918.D

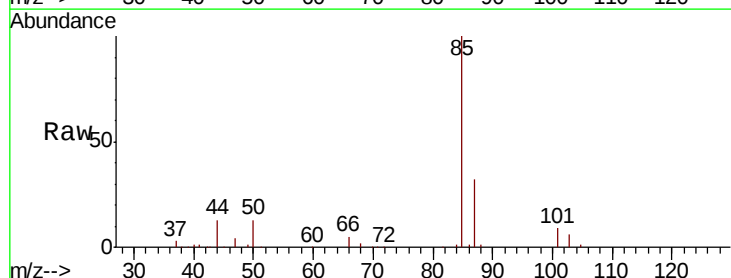
Acq: 3 Apr 2019 11:37

Tgt Ion: 85 Resp: 80642

Ion Ratio Lower Upper

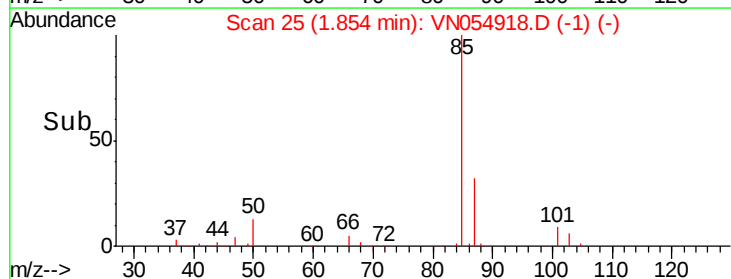
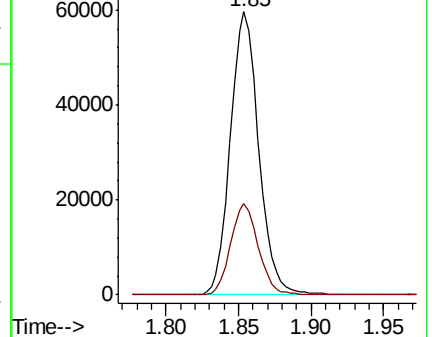
85 100

87 32.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 19.836 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :

MSVOA_N

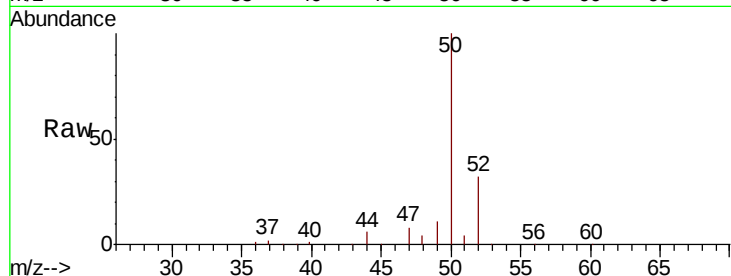
ClientSampled :

Tot Ion: 50 Resp: 112943

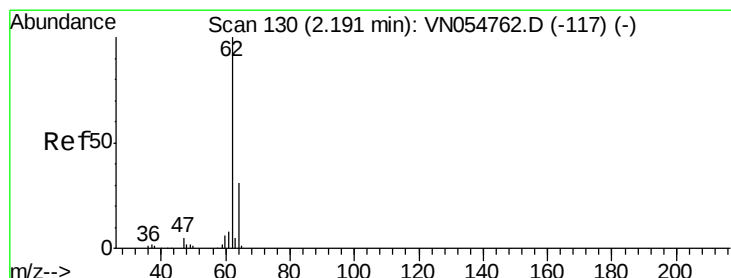
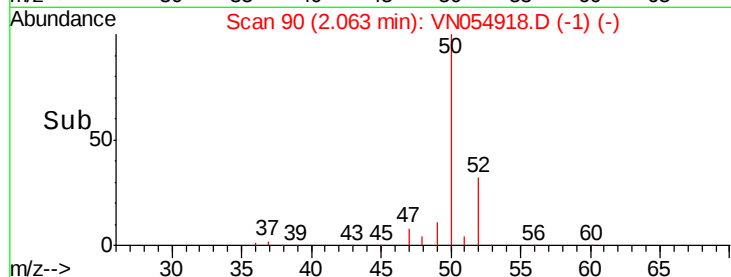
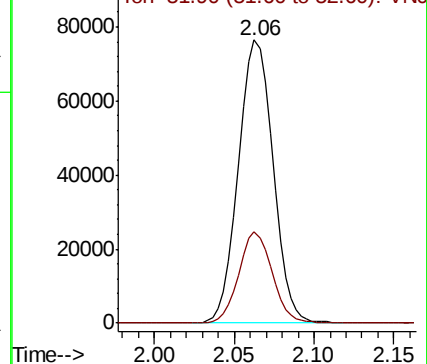
Ion Ratio Lower Upper

50 100

52 32.1 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 20.263 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN054918.D

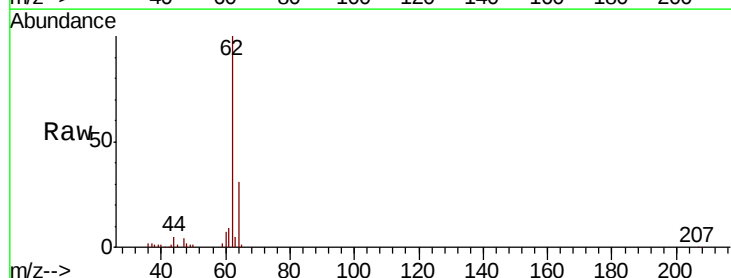
Acq: 3 Apr 2019 11:37

Tgt Ion: 62 Resp: 103609

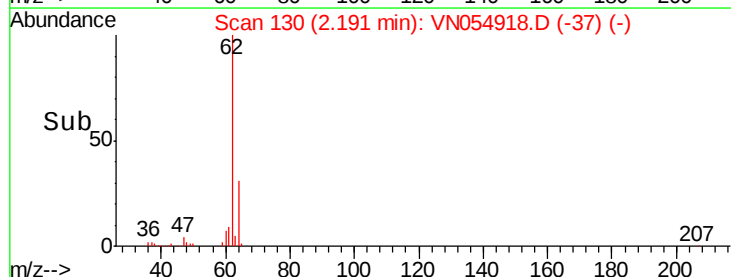
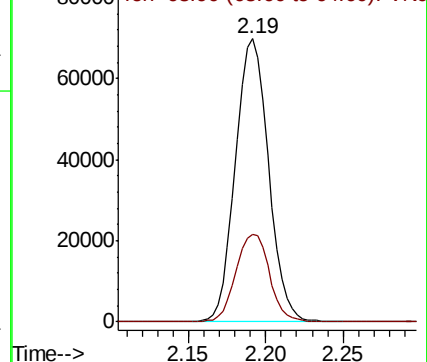
Ion Ratio Lower Upper

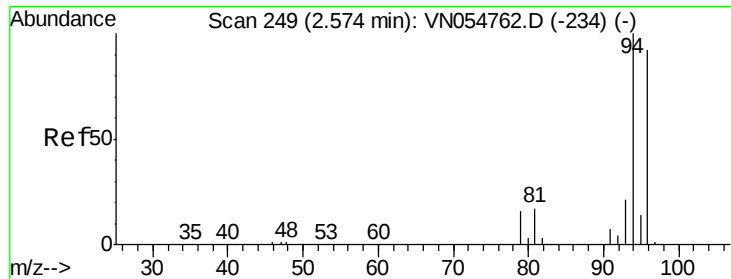
62 100

64 31.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 20.228 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

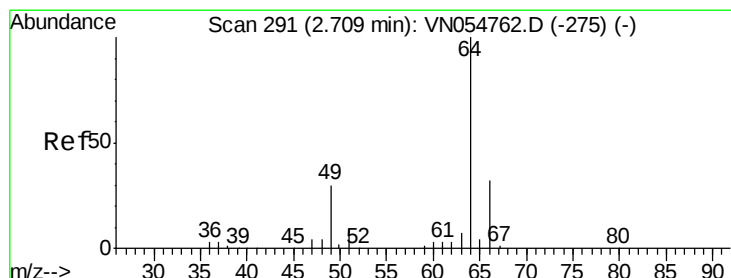
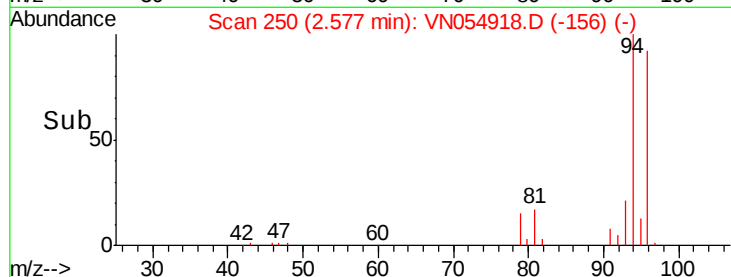
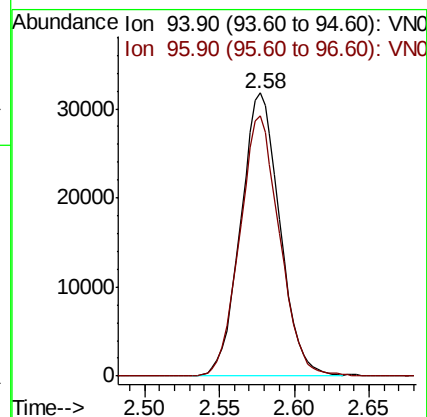
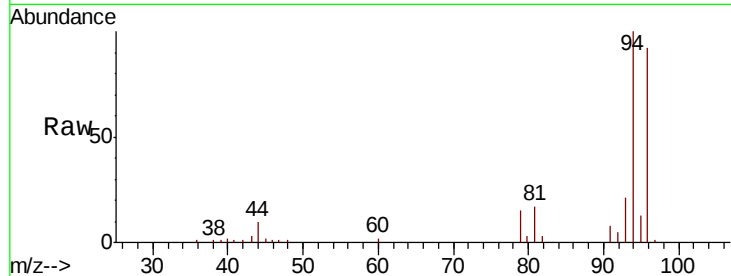
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 57815

Ion Ratio Lower Upper

94 100

96 91.9 77.0 115.4



#6

Chloroethane

Concen: 20.315 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054918.D

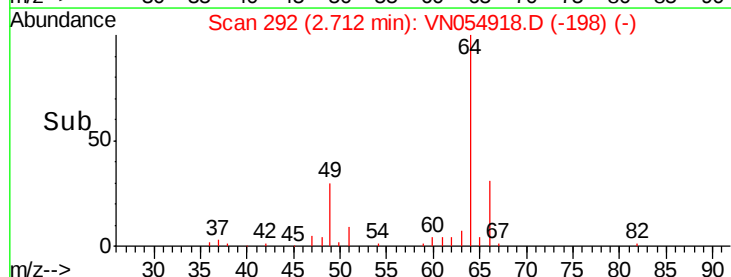
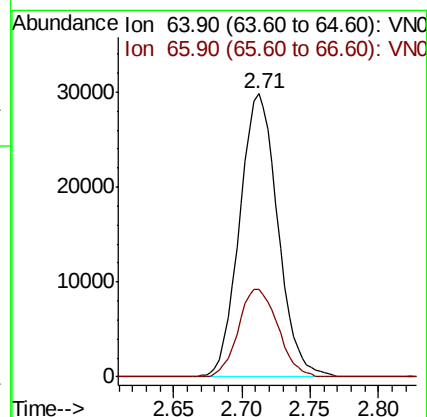
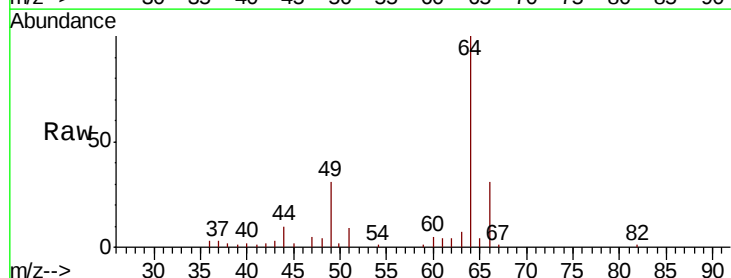
Acq: 3 Apr 2019 11:37

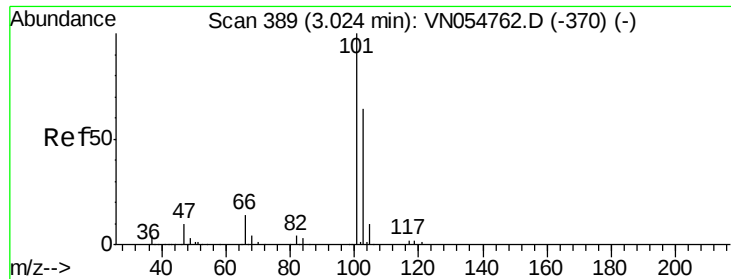
Tgt Ion: 64 Resp: 58002

Ion Ratio Lower Upper

64 100

66 30.8 25.7 38.5



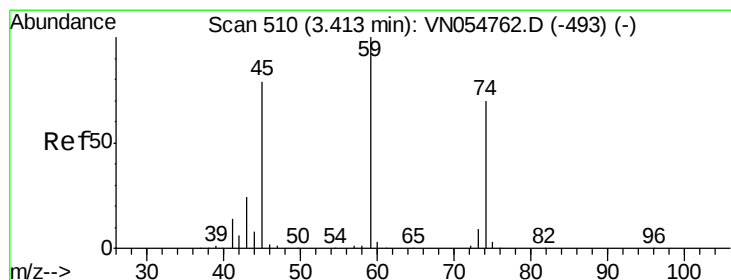
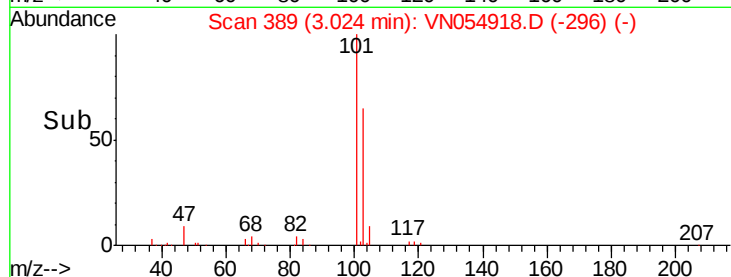
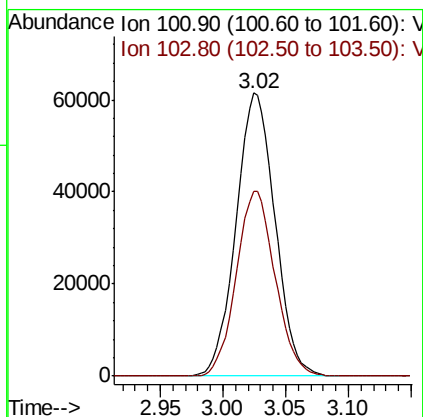
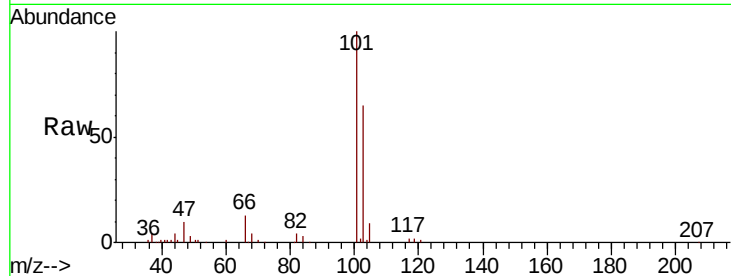


#7

Trichlorofluoromethane
 Concen: 21.087 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054918.D
 Acq: 3 Apr 2019 11:37

Instrument :
 MSVOA_N
 ClientSampled :

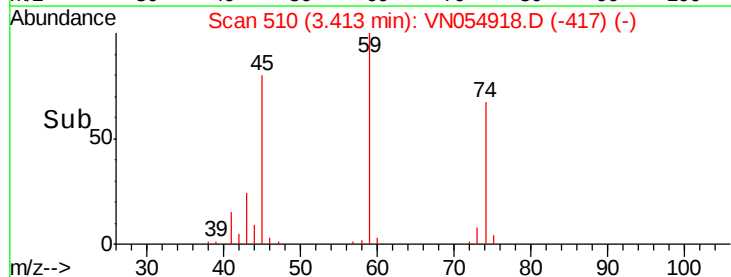
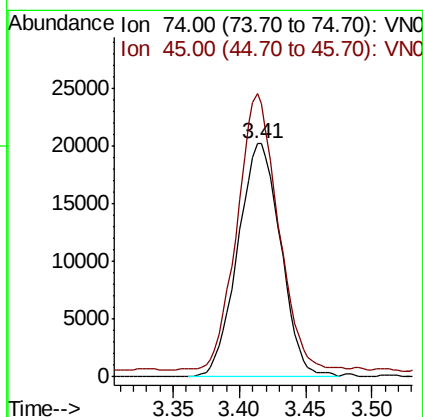
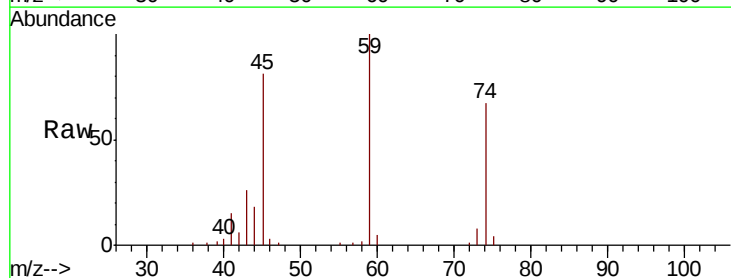
Tot Ion:101 Resp: 132561
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.4 77.2

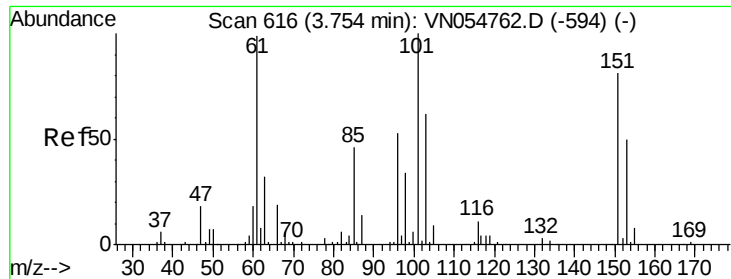


#8

Diethyl Ether
 Concen: 22.493 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN054918.D
 Acq: 3 Apr 2019 11:37

Tgt Ion: 74 Resp: 45529
 Ion Ratio Lower Upper
 74 100
 45 111.8 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.683 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

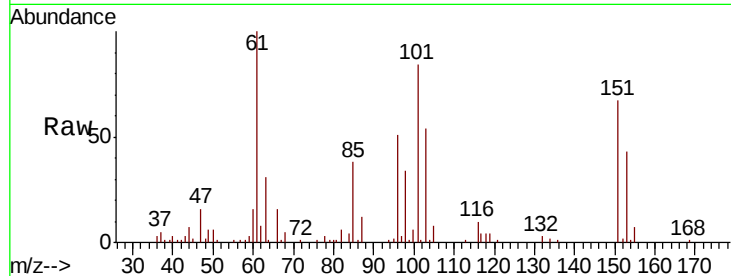
Tot Ion:101 Resp: 71754

Ion Ratio Lower Upper

101 100

85 46.3 32.4 48.6

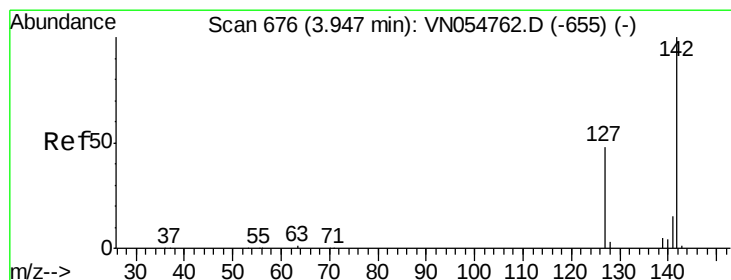
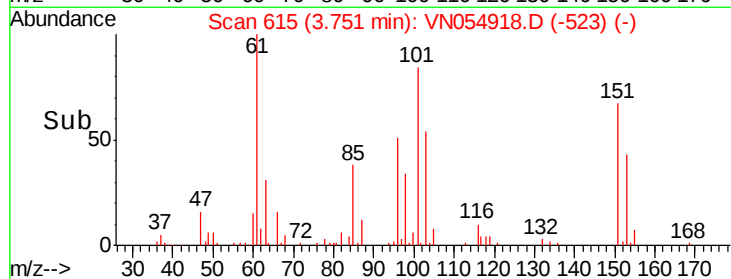
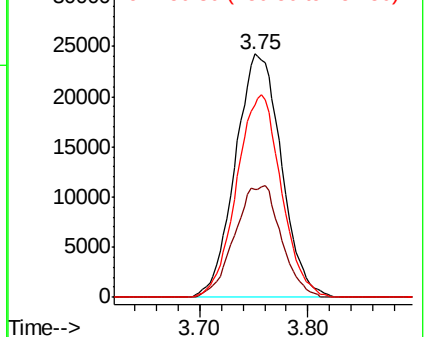
151 80.8 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.475 ug/l

RT: 3.95 min Scan# 676

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

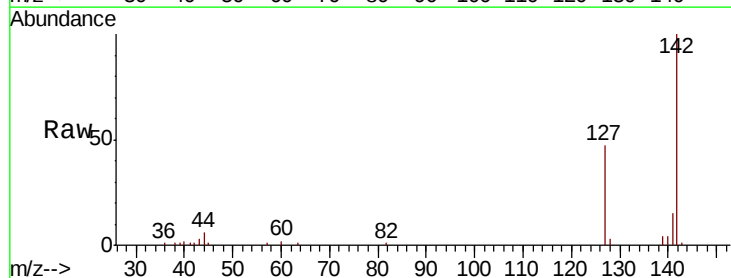
Tgt Ion:142 Resp: 92755

Ion Ratio Lower Upper

142 100

127 46.8 30.3 45.5#

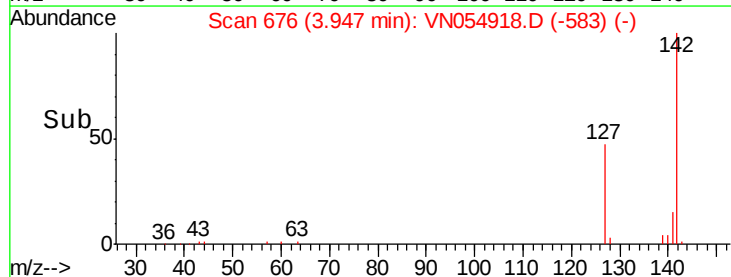
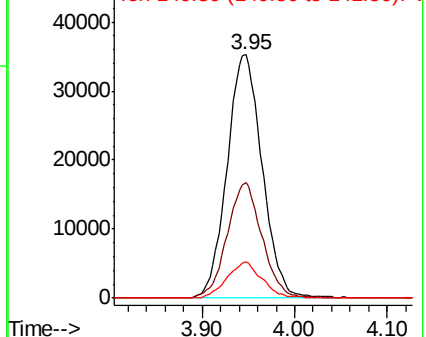
141 14.8 11.2 16.8

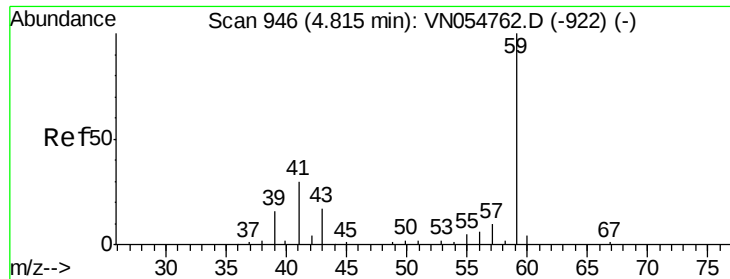


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

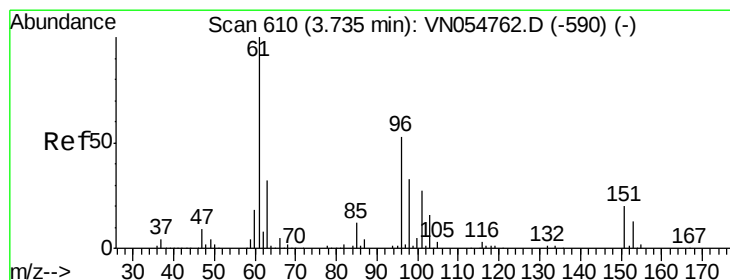
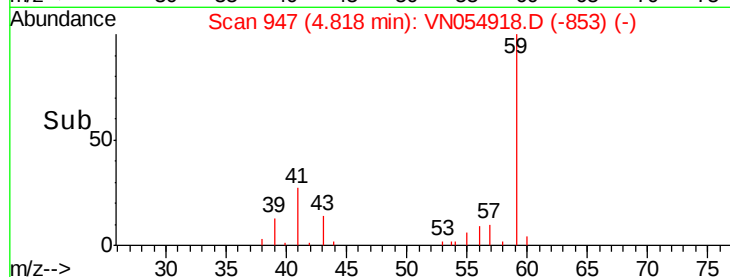
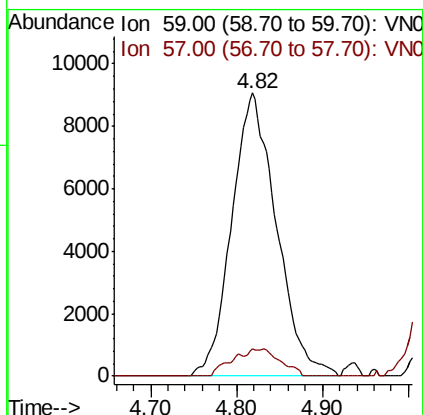
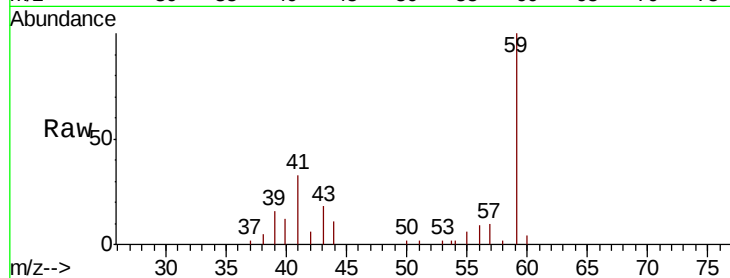




#11
Tert butyl alcohol
Concen: 114.513 ug/l
RT: 4.82 min Scan# 947
Delta R.T. 0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

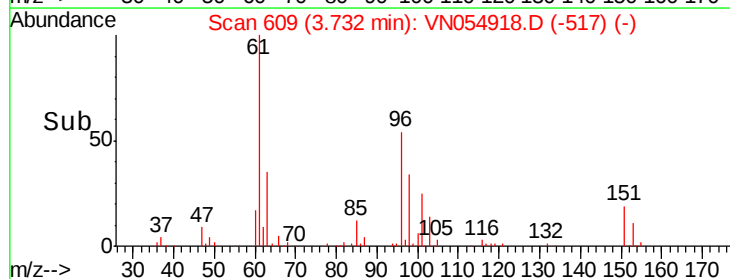
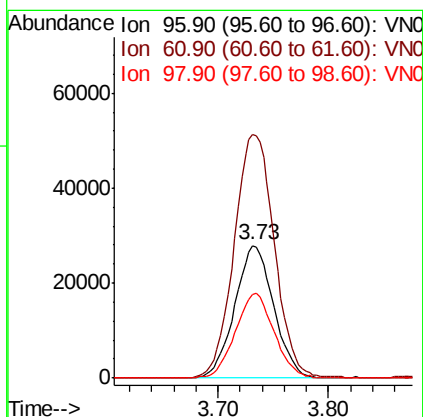
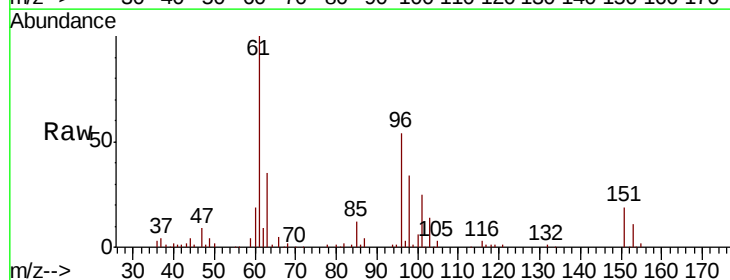
Instrument :
MSVOA_N
ClientSampled :

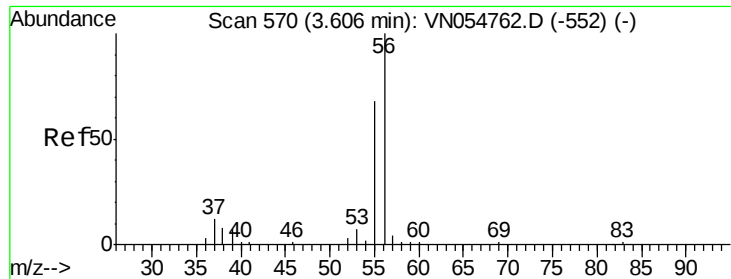
Tot Ion: 59 Resp: 32743
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#



#12
1,1-Dichloroethene
Concen: 21.281 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Tgt Ion: 96 Resp: 68101
Ion Ratio Lower Upper
96 100
61 183.7 116.5 174.7#
98 63.1 51.0 76.4

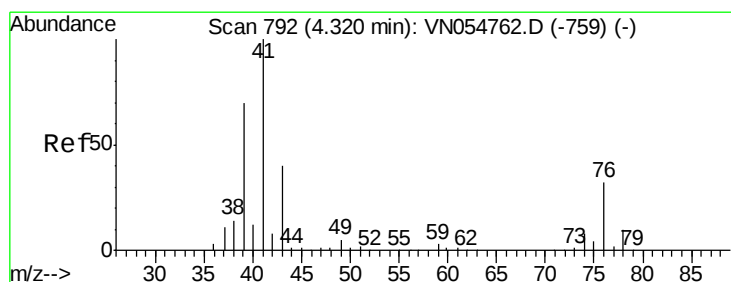
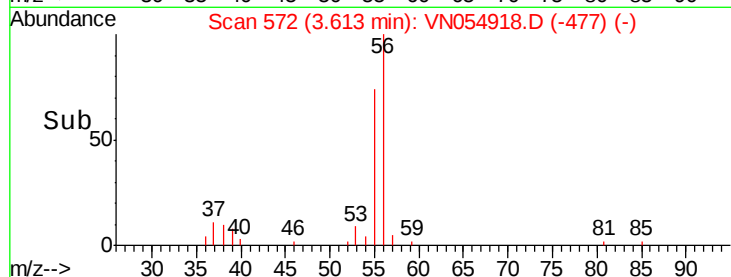
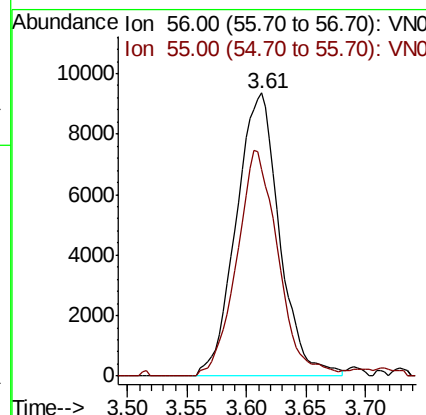
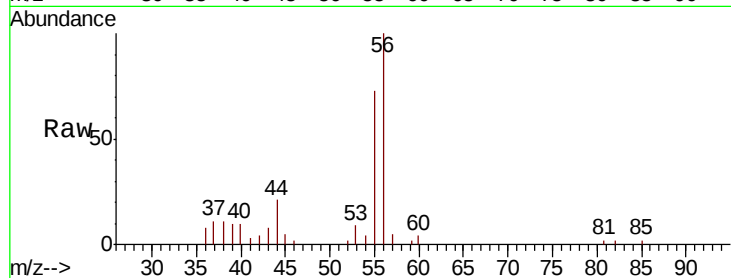




#13
 Acrolein
 Concen: 92.313 ug/l
 RT: 3.61 min Scan# 572
 Delta R.T. 0.01 min
 Lab File: VN054918.D
 Acq: 3 Apr 2019 11:37

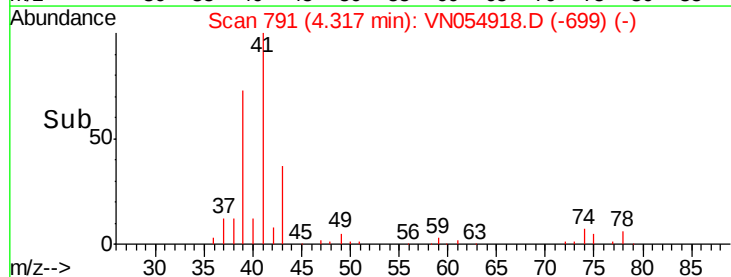
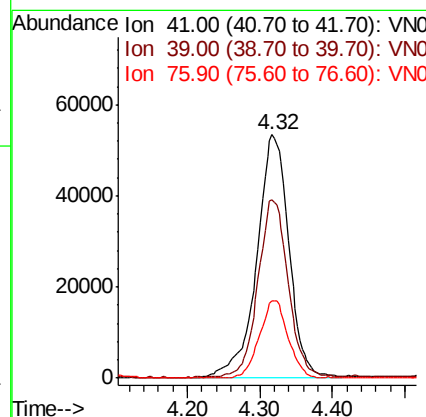
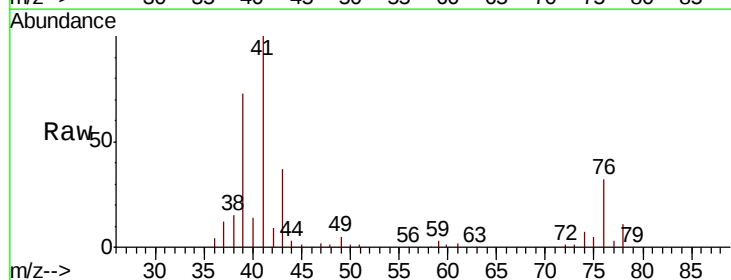
Instrument :
 MSVOA_N
 ClientSampled :

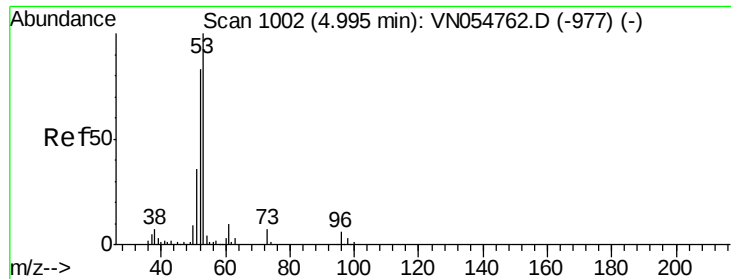
Tot Ion: 56 Resp: 23597
 Ion Ratio Lower Upper
 56 100
 55 76.1 56.7 85.1



#14
 Allyl chloride
 Concen: 21.021 ug/l
 RT: 4.32 min Scan# 791
 Delta R.T. -0.00 min
 Lab File: VN054918.D
 Acq: 3 Apr 2019 11:37

Tgt Ion: 41 Resp: 165692
 Ion Ratio Lower Upper
 41 100
 39 67.7 58.2 87.4
 76 28.4 31.7 47.5#





#15

Acrylonitrile

Concen: 114.074 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :

MSVOA_N

ClientSampled :

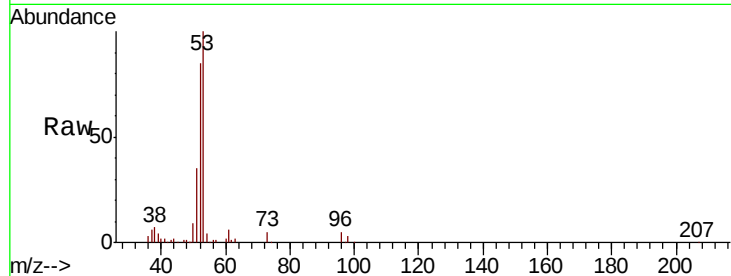
Tot Ion: 53 Resp: 181298

Ion Ratio Lower Upper

53 100

52 84.2 66.4 99.6

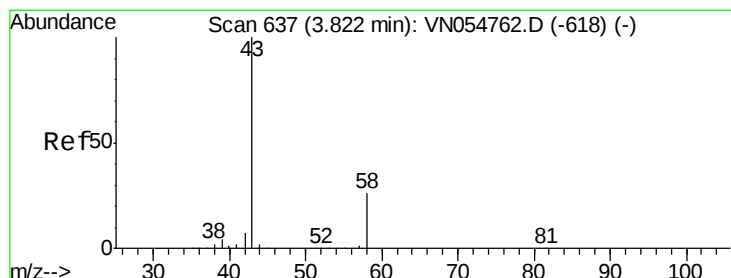
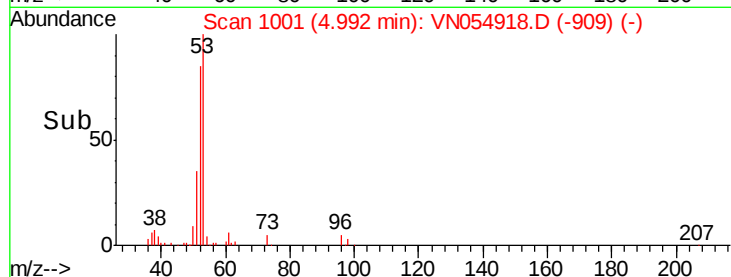
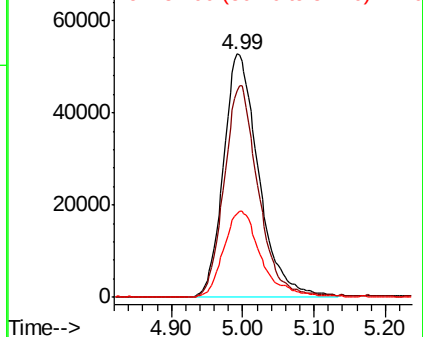
51 37.7 29.6 44.4



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



#16

Acetone

Concen: 117.963 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN054918.D

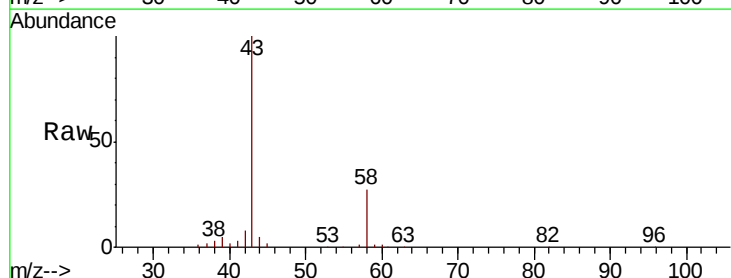
Acq: 3 Apr 2019 11:37

Tgt Ion: 43 Resp: 154377

Ion Ratio Lower Upper

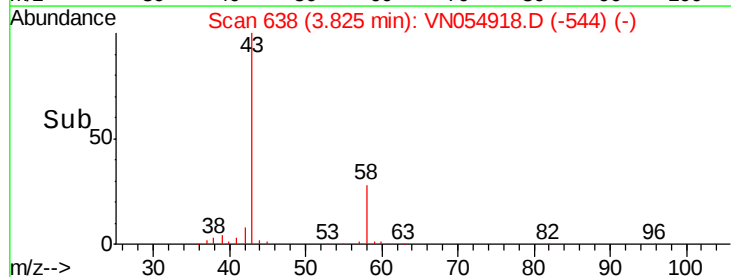
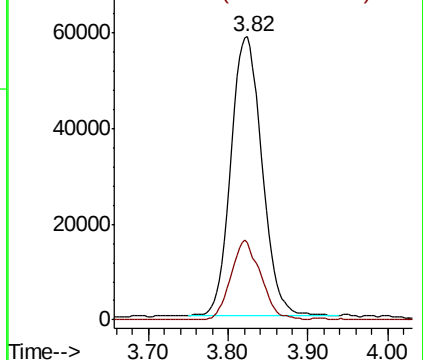
43 100

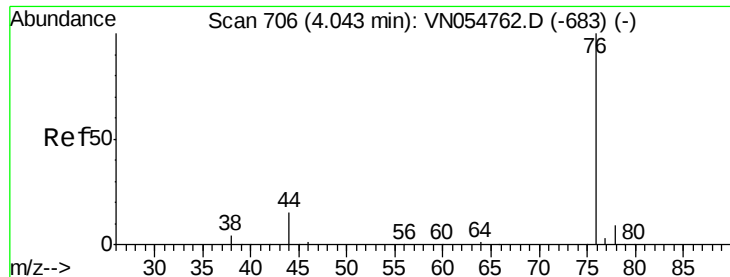
58 27.5 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

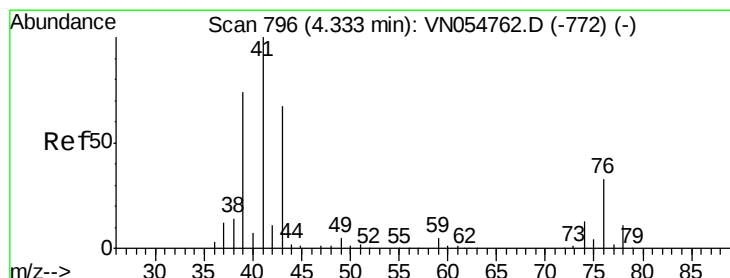
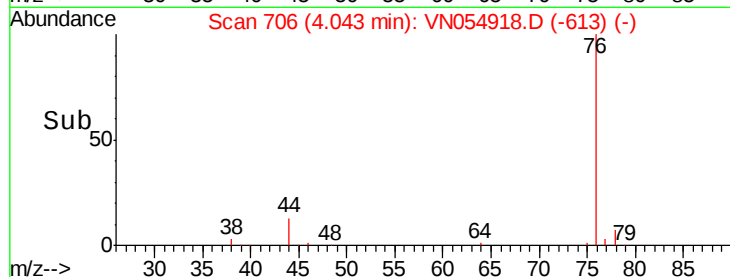
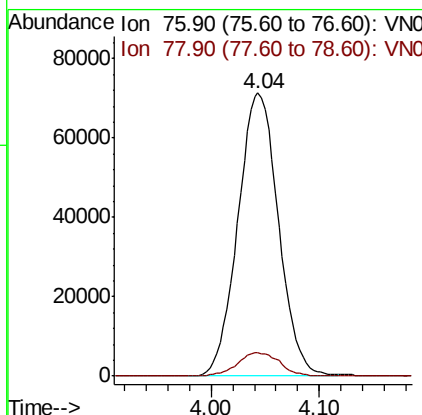
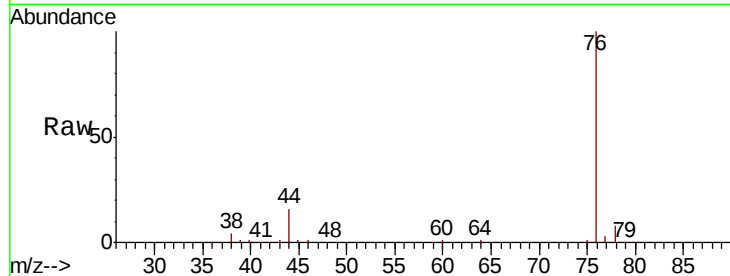




#17
Carbon Disulfide
Concen: 17.988 ug/l
RT: 4.04 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

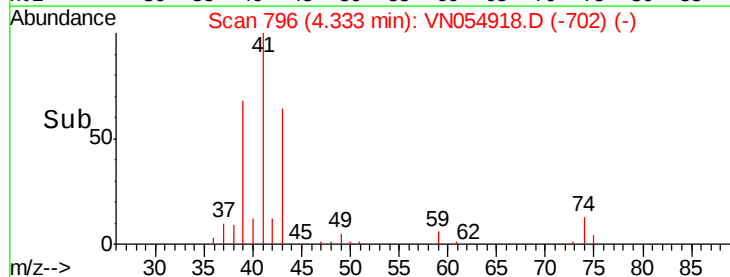
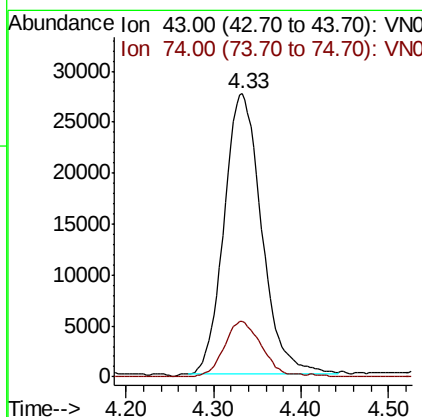
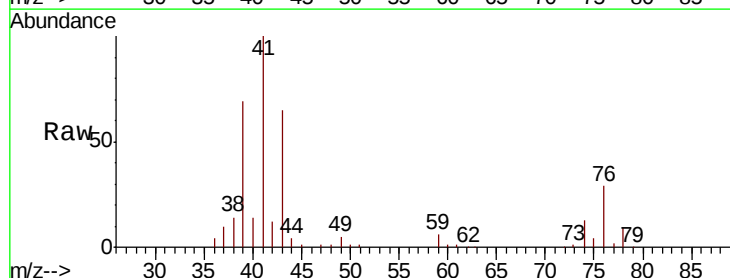
Instrument :
MSVOA_N
ClientSampleId :

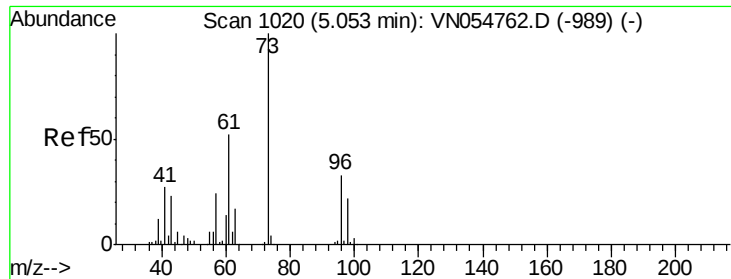
Tot Ion: 76 Resp: 186703
Ion Ratio Lower Upper
76 100
78 8.3 7.5 11.3



#18
Methyl Acetate
Concen: 23.698 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Tgt Ion: 43 Resp: 82427
Ion Ratio Lower Upper
43 100
74 19.7 20.8 31.2#

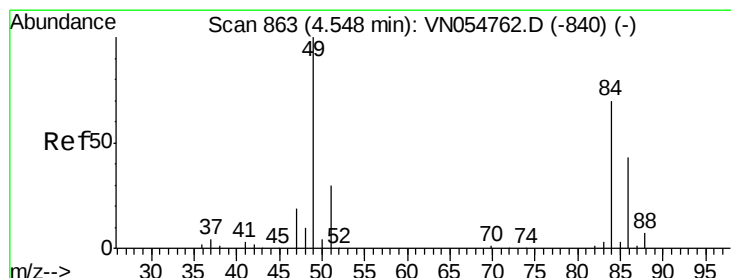
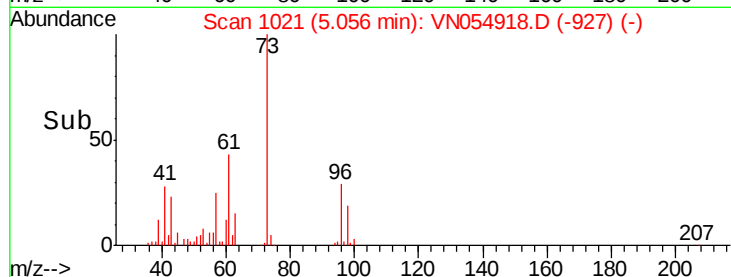
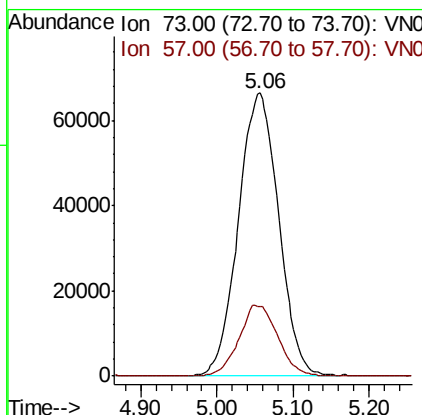
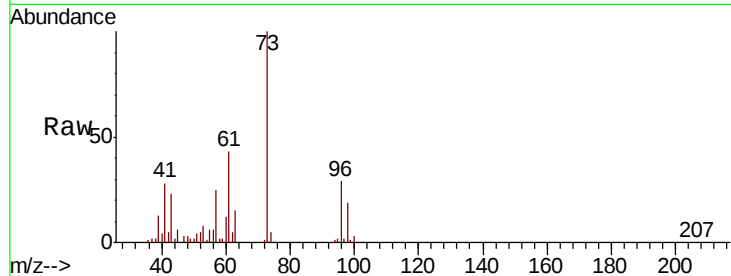




#19
Methvl tert-butvl Ether
Concen: 21.852 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

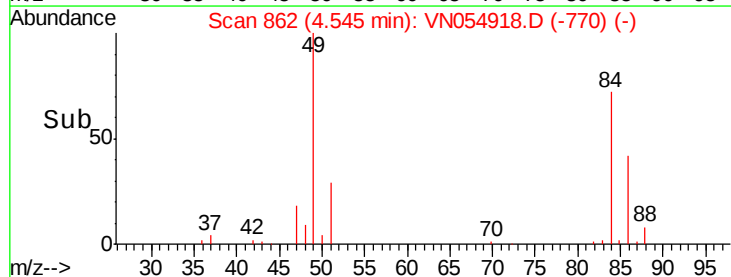
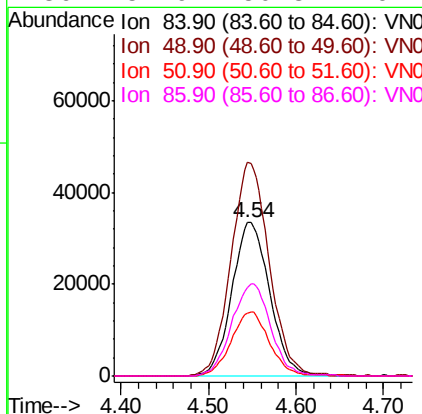
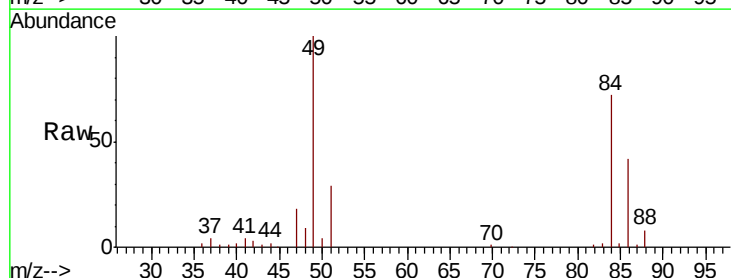
Instrument :
MSVOA_N
ClientSampled :

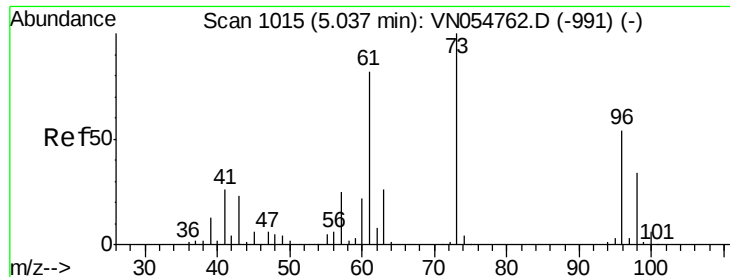
Tot Ion: 73 Resp: 244616
Ion Ratio Lower Upper
73 100
57 24.3 16.8 25.2



#20
Methylene Chloride
Concen: 21.745 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Tgt Ion: 84 Resp: 100379
Ion Ratio Lower Upper
84 100
49 139.5 89.7 134.5#
51 40.7 28.2 42.4
86 57.9 50.8 76.2

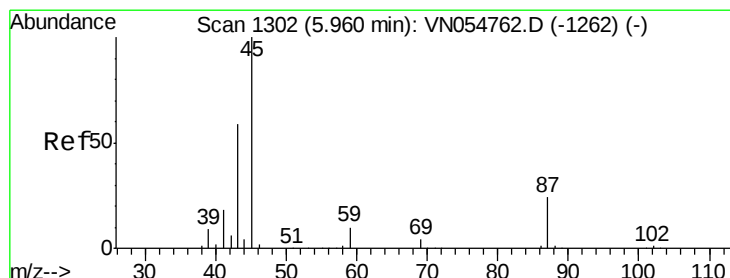
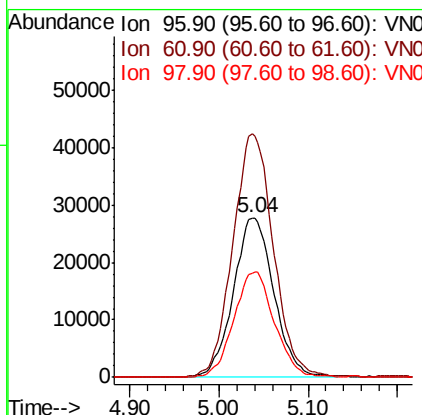
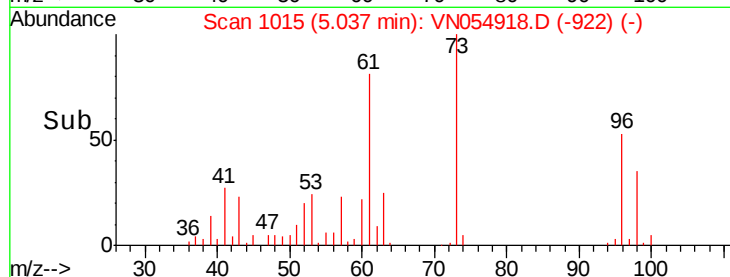
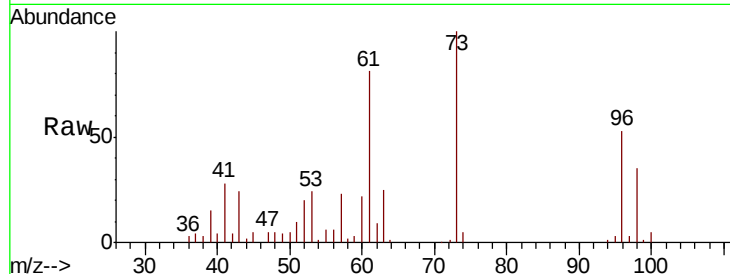




#21
trans-1,2-Dichloroethene
Concen: 20.878 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

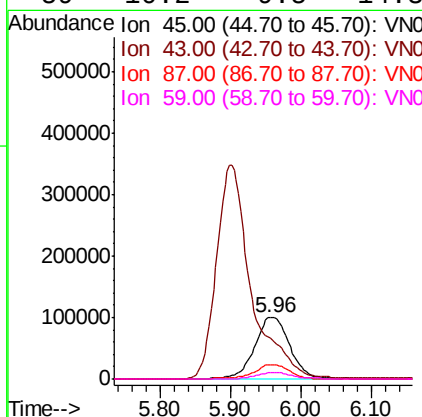
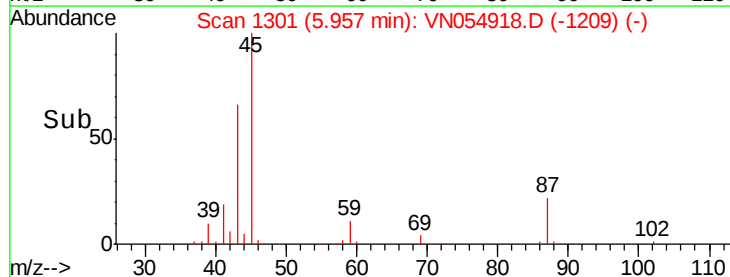
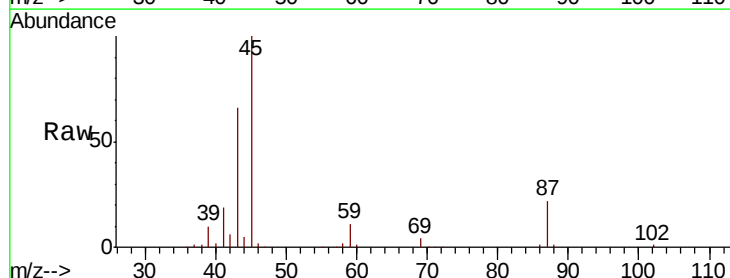
Instrument :
MSVOA_N
ClientSampled :

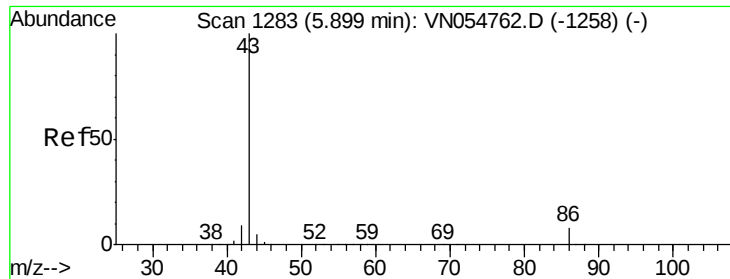
Tot Ion: 96 Resp: 87757
Ion Ratio Lower Upper
96 100
61 152.0 102.8 154.2
98 65.3 50.0 75.0



#22
Diisopropyl ether
Concen: 22.374 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Tgt Ion: 45 Resp: 348812
Ion Ratio Lower Upper
45 100
43 64.6 48.2 72.2
87 21.9 24.9 37.3#
59 10.2 9.5 14.3





#23

Vinyl Acetate

Concen: 110.477 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :

MSVOA_N

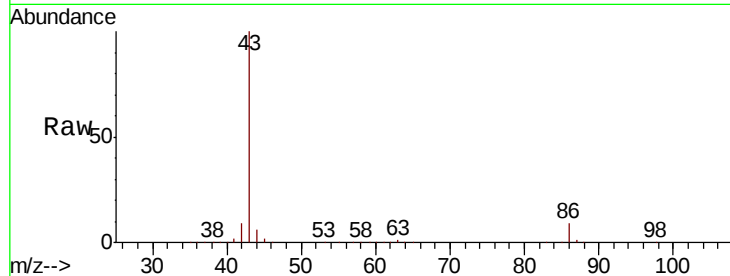
ClientSampled :

Tot Ion: 43 Resp: 1198578

Ion Ratio Lower Upper

43 100

86 8.6 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VN054918.D (-1190) (-)

Ion 86.00 (85.70 to 86.70): VN054918.D (-1190) (-)

5.90

400000

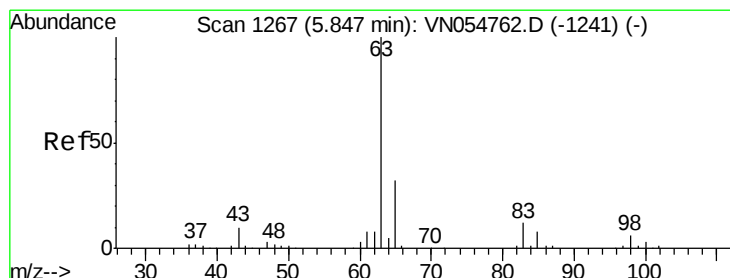
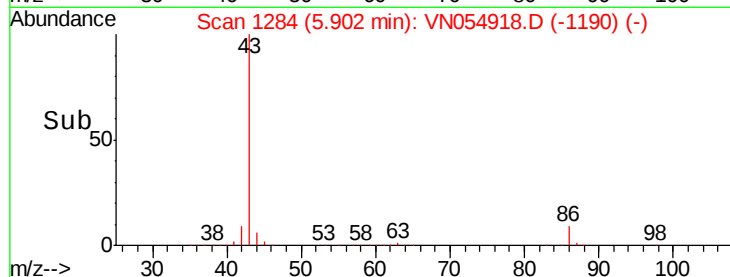
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 22.009 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

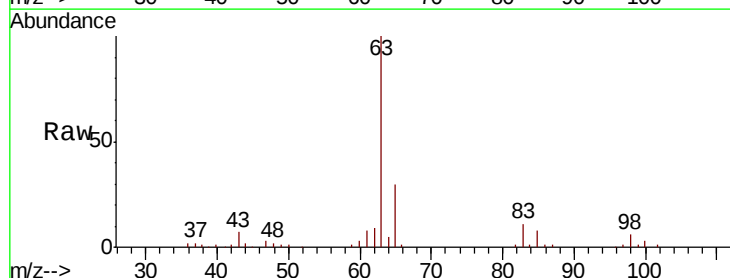
Tgt Ion: 63 Resp: 183036

Ion Ratio Lower Upper

63 100

98 6.0 3.5 10.5

100 3.4 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN054918.D (-1174) (-)

Ion 97.90 (97.60 to 98.60): VN054918.D (-1174) (-)

Ion 99.90 (99.60 to 100.60): VN054918.D (-1174) (-)

80000

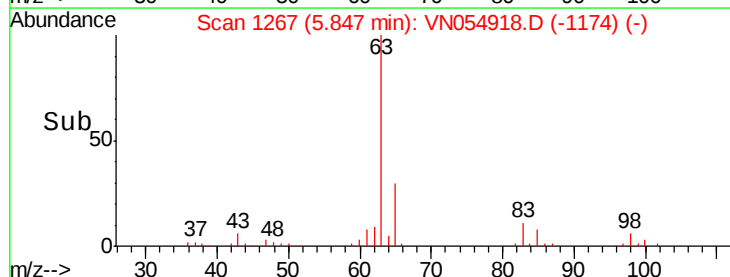
60000

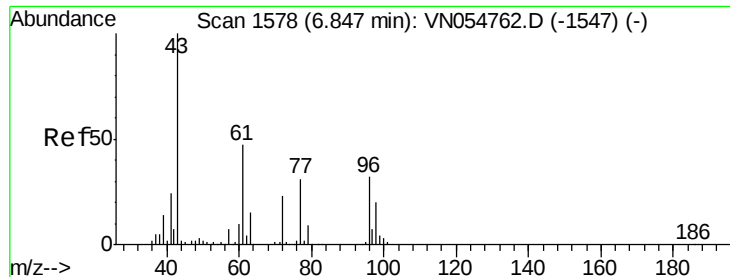
40000

20000

0

Time--> 5.70 5.80 5.90 6.00

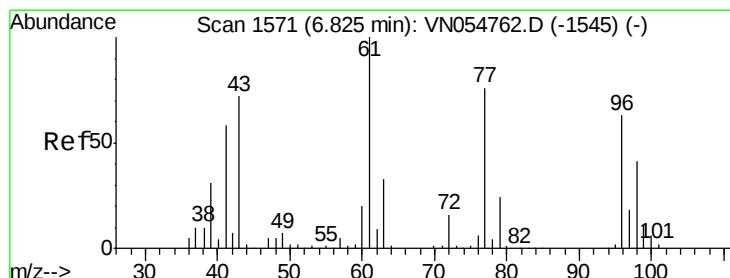
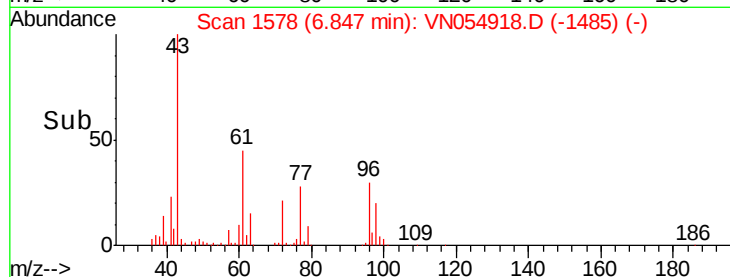
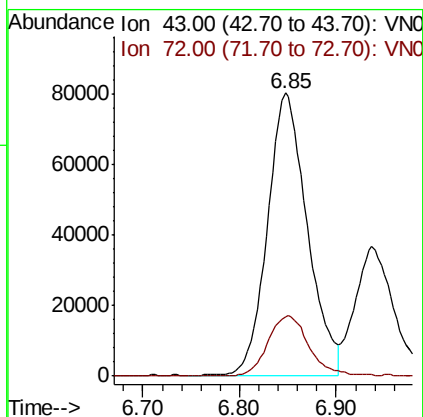
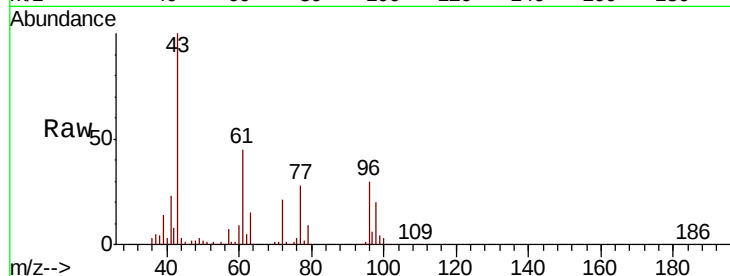




#25
2-Butanone
Concen: 119.195 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

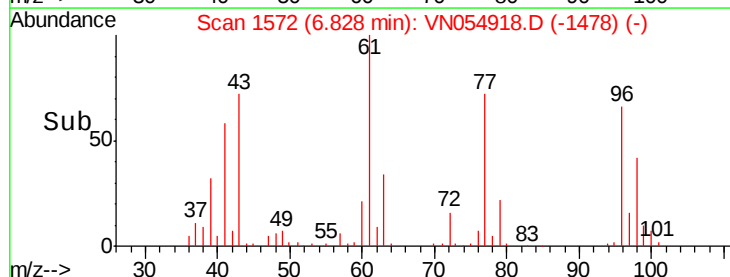
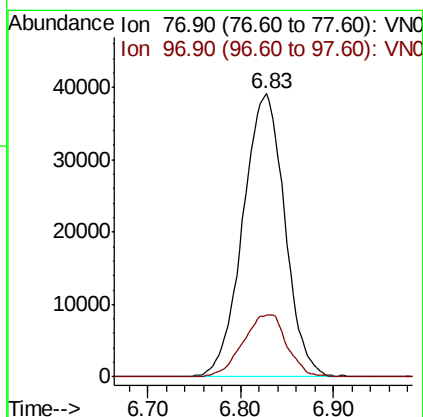
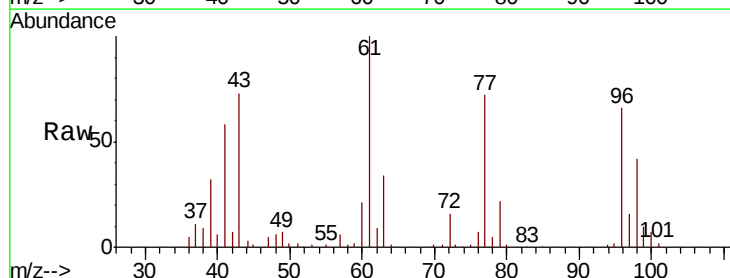
Instrument :
MSVOA_N
ClientSampled :

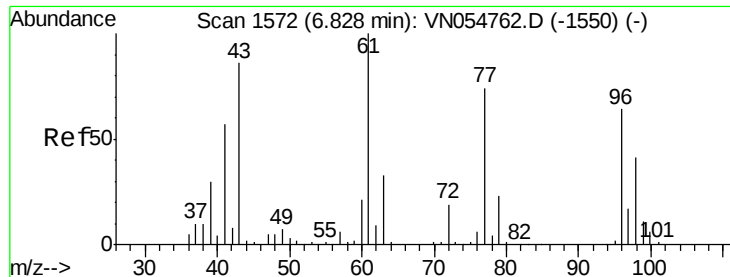
Tot Ion: 43 Resp: 230581
Ion Ratio Lower Upper
43 100
72 20.8 23.0 34.6#



#26
2,2-Dichloropropane
Concen: 21.062 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Tgt Ion: 77 Resp: 122765
Ion Ratio Lower Upper
77 100
97 23.0 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 22.020 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :
MSVOA_N
ClientSampled :

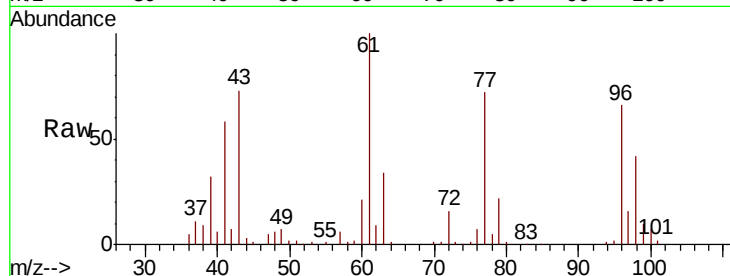
Tot Ion: 96 Resp: 104559

Ion Ratio Lower Upper

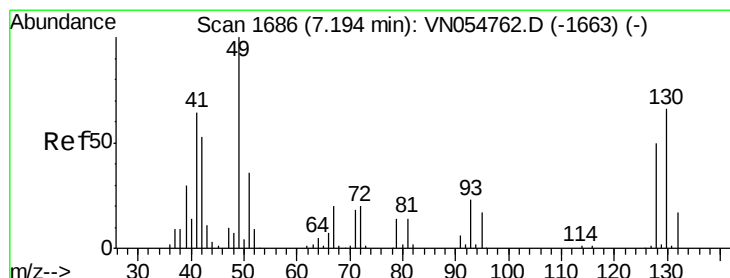
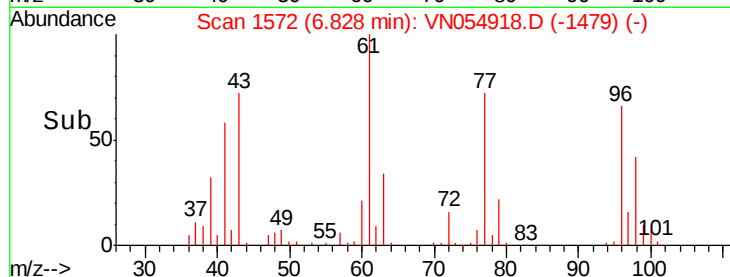
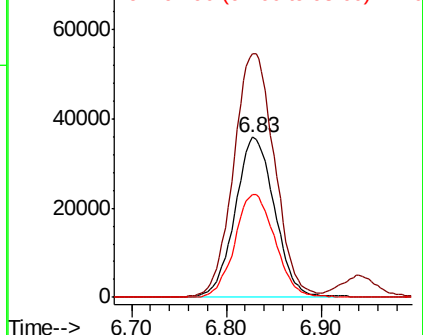
96 100

61 157.6 0.0 273.0

98 65.4 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 23.848 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

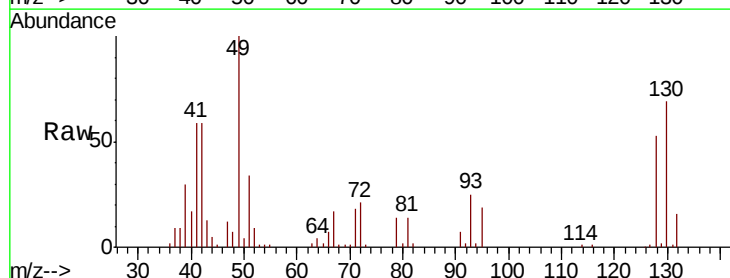
Tgt Ion: 49 Resp: 99170

Ion Ratio Lower Upper

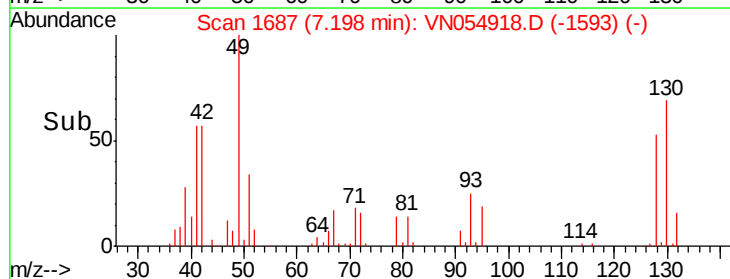
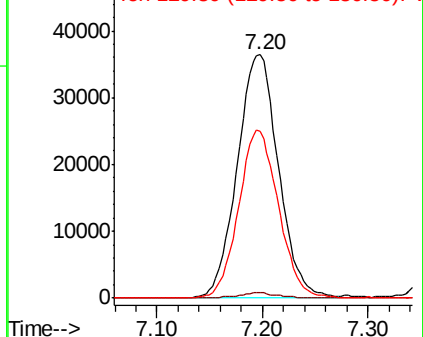
49 100

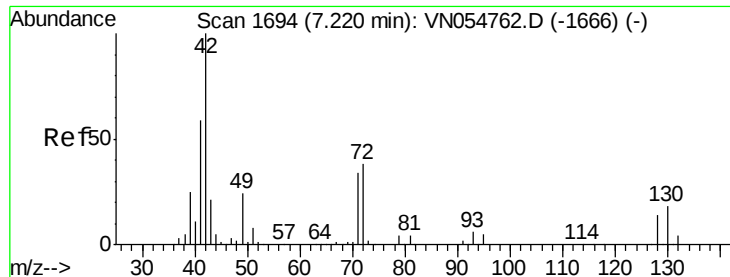
129 2.0 0.0 4.6

130 66.6 76.7 115.1#



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

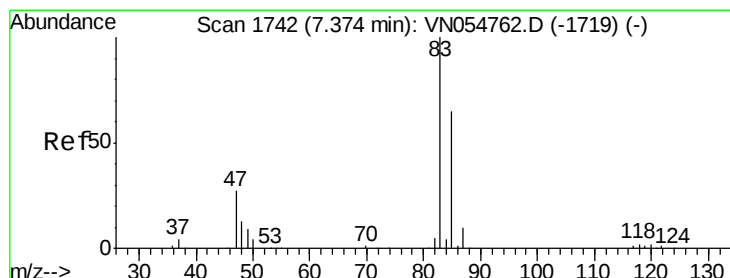
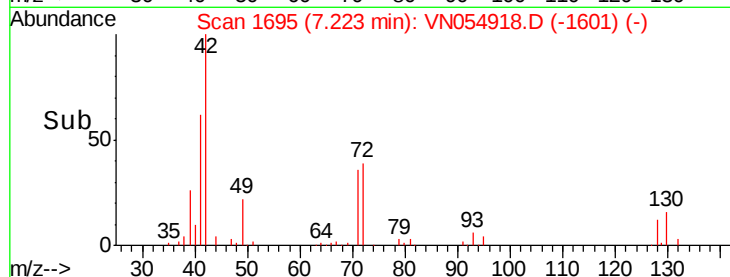
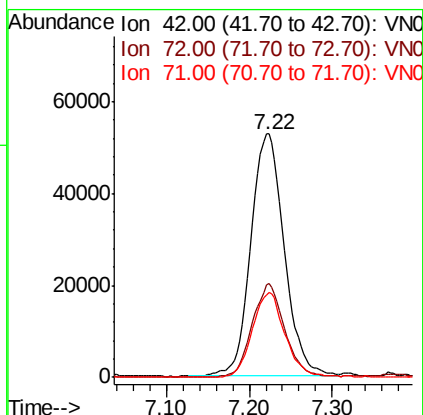
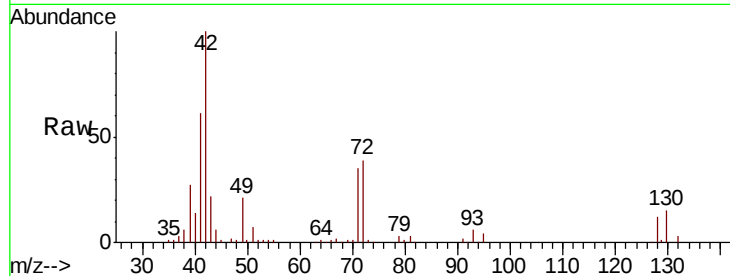




#29
Tetrahydrofuran
Concen: 110.198 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

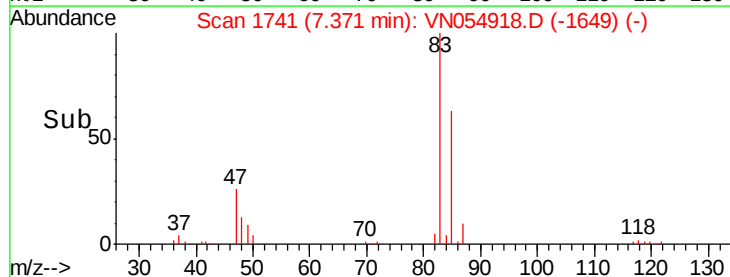
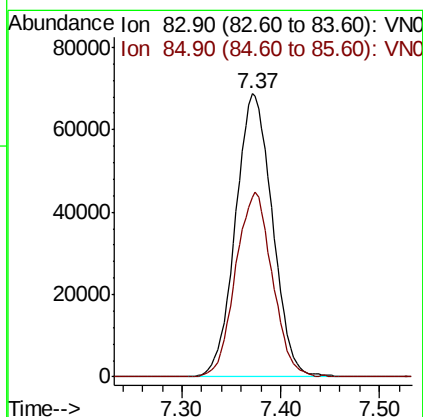
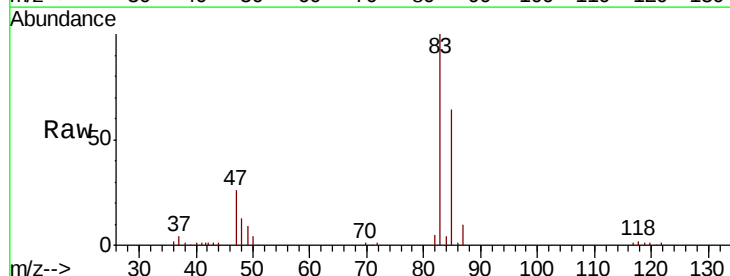
Instrument :
MSVOA_N
ClientSampleId :

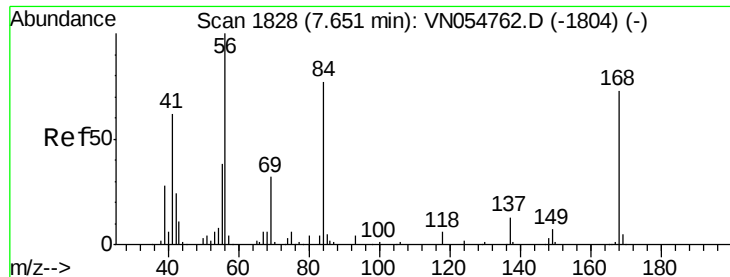
Tot Ion: 42 Resp: 148062
Ion Ratio Lower Upper
42 100
72 37.7 37.8 56.6#
71 34.3 36.2 54.2#



#30
Chloroform
Concen: 22.462 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Tgt Ion: 83 Resp: 178126
Ion Ratio Lower Upper
83 100
85 63.5 52.2 78.4





#31

Cyclohexane

Concen: 20.873 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :
MSVOA_N
ClientSampled :

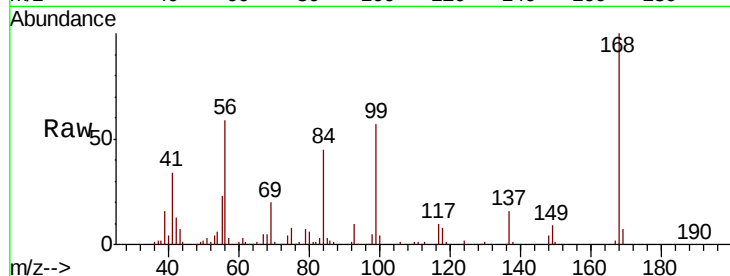
Tot Ion: 56 Resp: 167265

Ion Ratio Lower Upper

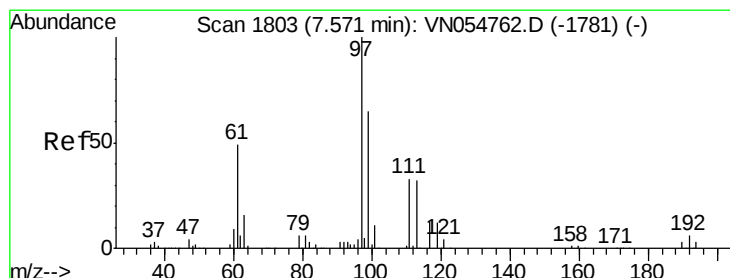
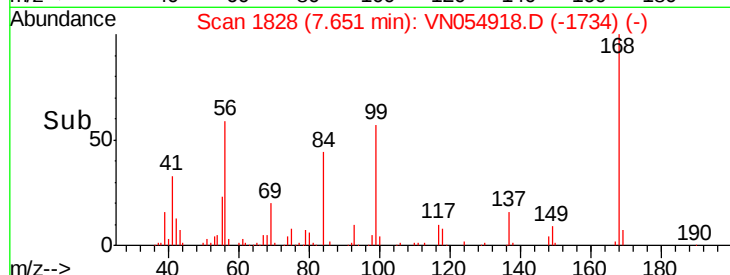
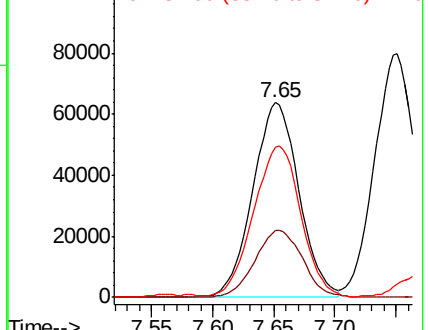
56 100

69 34.3 27.8 41.6

84 75.6 74.6 111.8



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 22.047 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

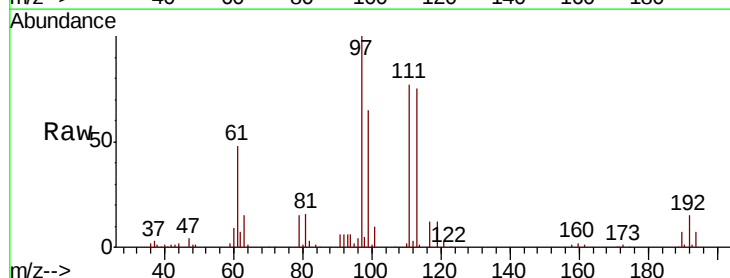
Tgt Ion: 97 Resp: 144888

Ion Ratio Lower Upper

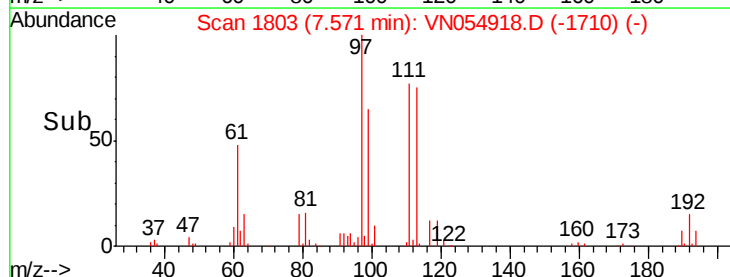
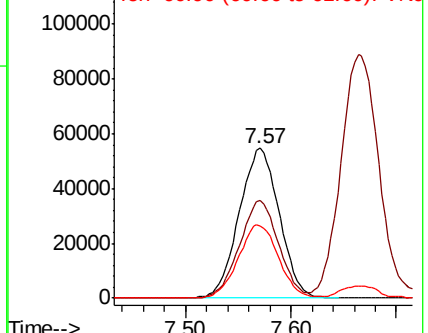
97 100

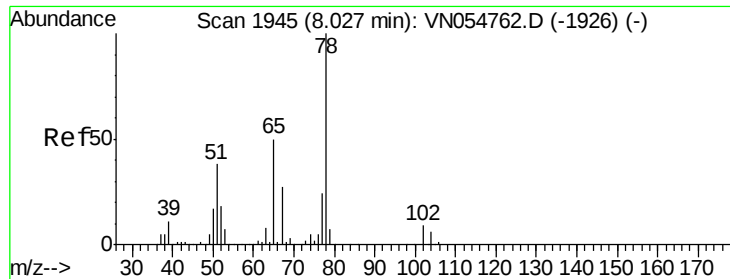
99 63.8 51.5 77.3

61 49.0 33.6 50.4



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

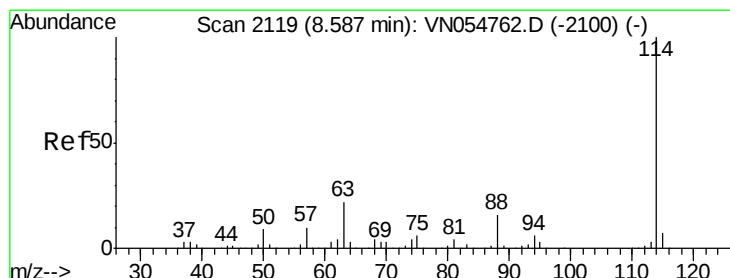
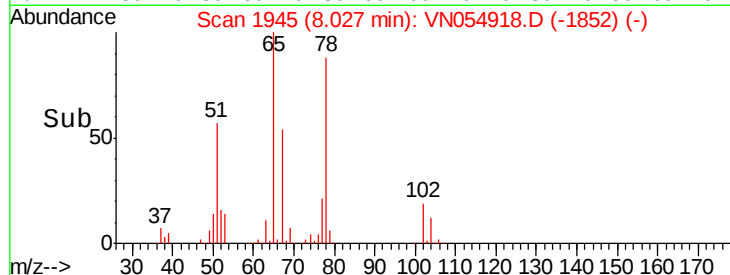
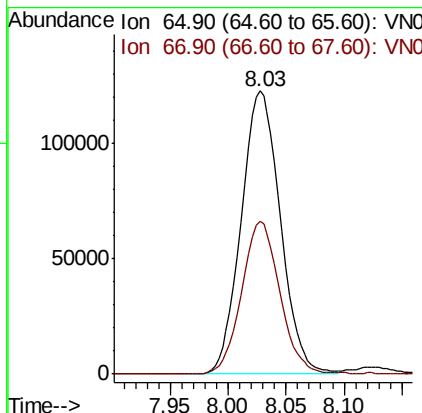
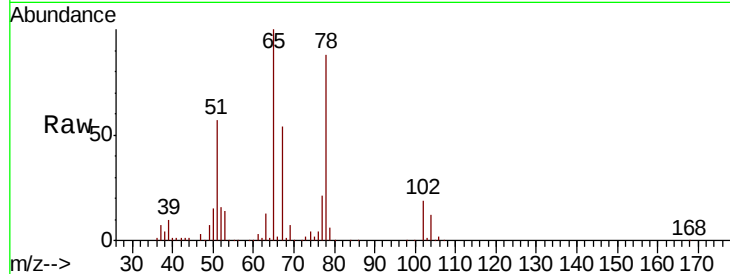




#33
 1,2-Dichloroethane-d4
 Concen: 52.725 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054918.D
 Acq: 3 Apr 2019 11:37

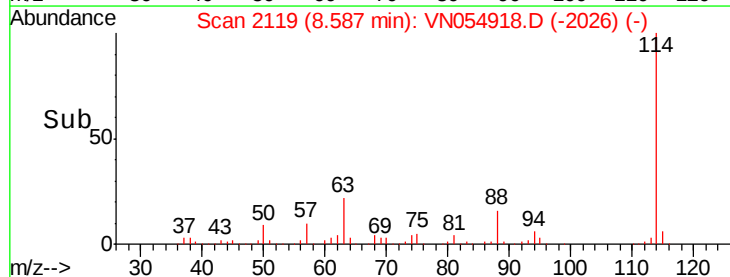
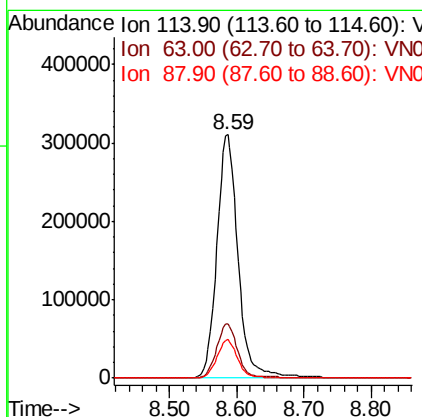
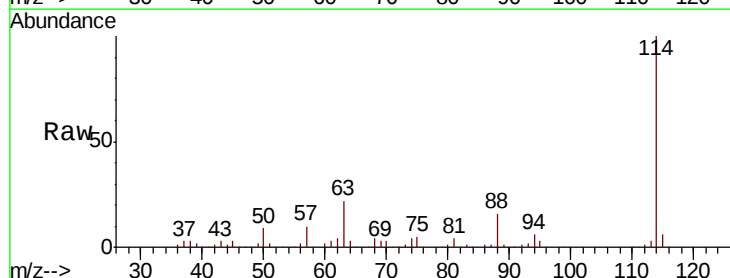
Instrument :
 MSVOA_N
 ClientSampleId :

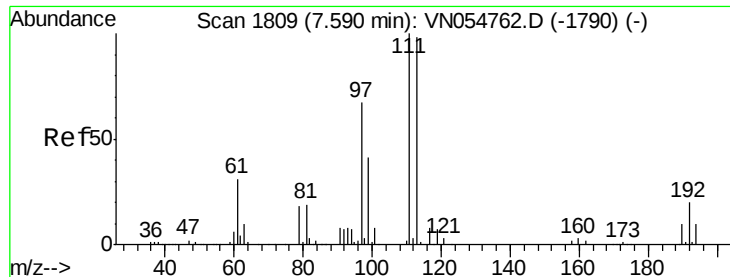
Tot Ion: 65 Resp: 289350
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054918.D
 Acq: 3 Apr 2019 11:37

Tgt Ion: 114 Resp: 685295
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 35.2
 88 15.7 0.0 30.2

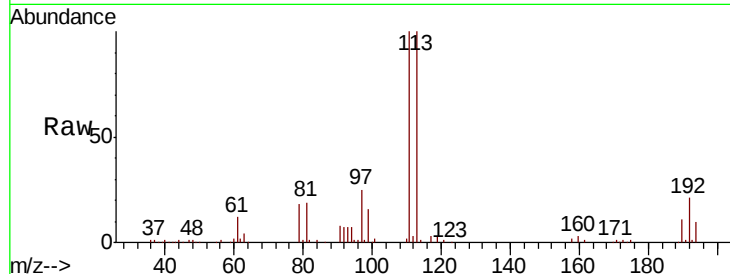




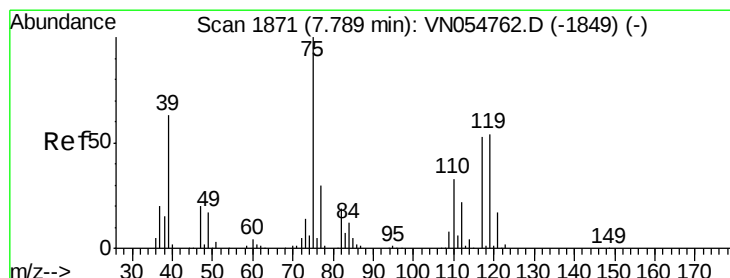
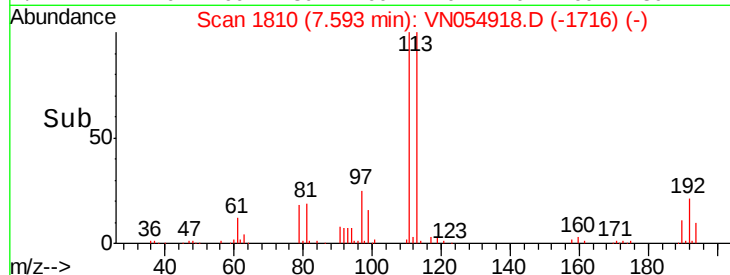
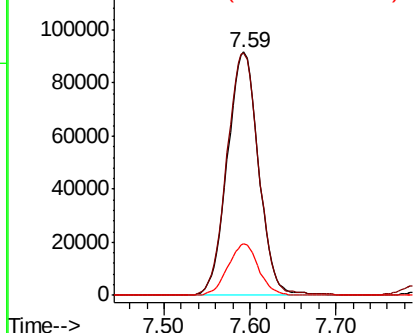
#35
 Dibromofluoromethane
 Concen: 50.614 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054918.D
 Acq: 3 Apr 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 231244
 Ion Ratio Lower Upper
 113 100
 111 101.4 82.2 123.4
 192 20.6 19.2 28.8

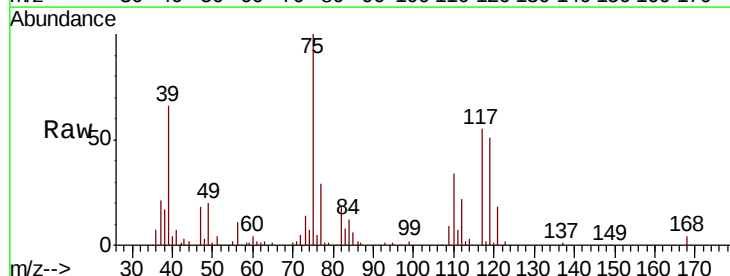


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

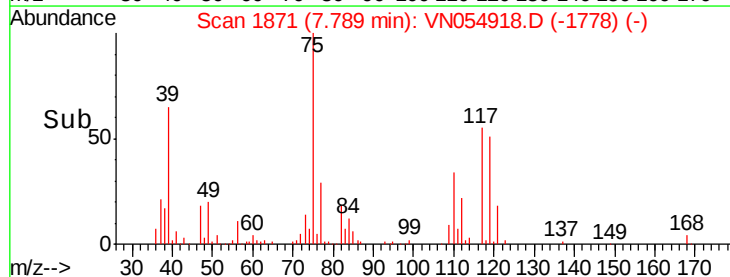
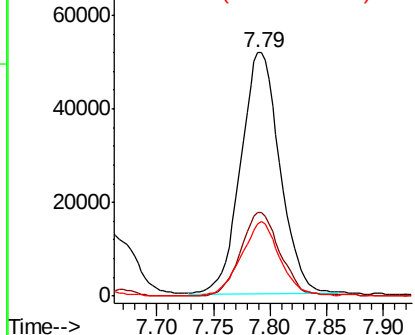


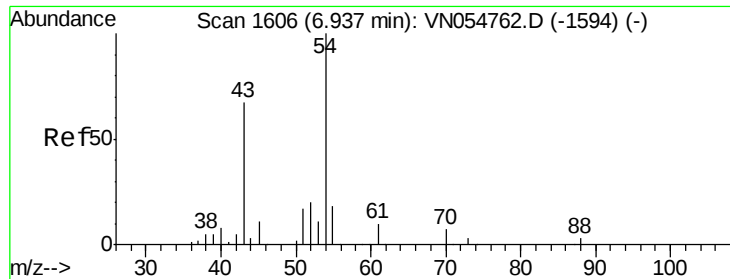
#36
 1,1-Dichloropropene
 Concen: 19.401 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN054918.D
 Acq: 3 Apr 2019 11:37

Tgt Ion: 75 Resp: 123890
 Ion Ratio Lower Upper
 75 100
 110 34.9 19.1 57.5
 77 30.7 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

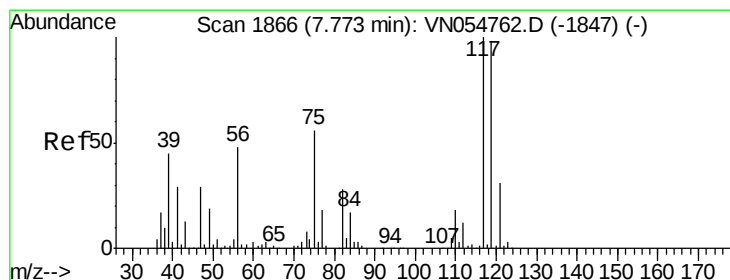
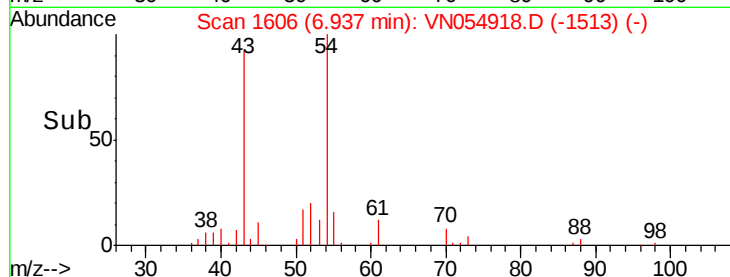
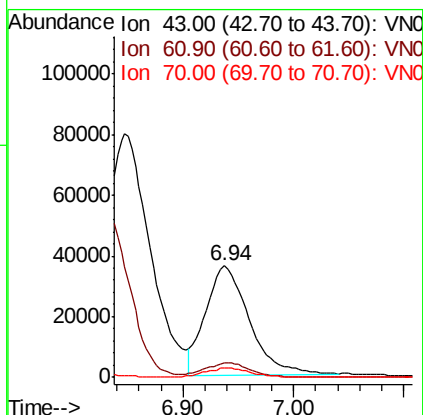
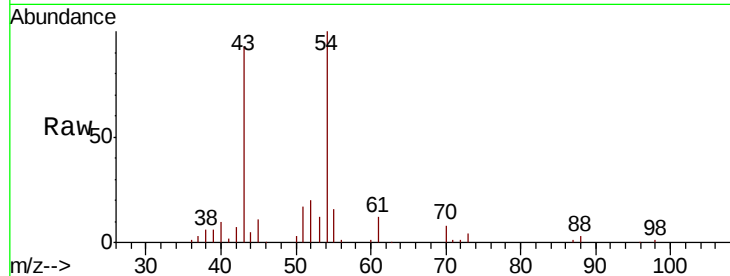




#37
Ethyl Acetate
Concen: 21.102 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

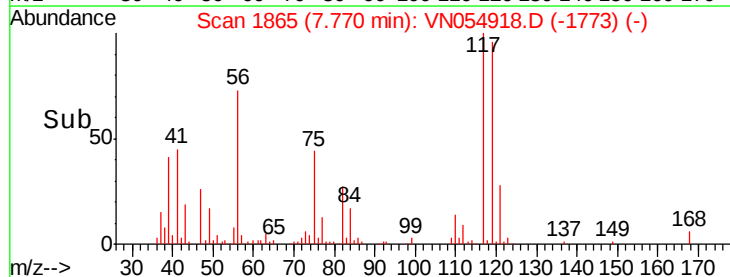
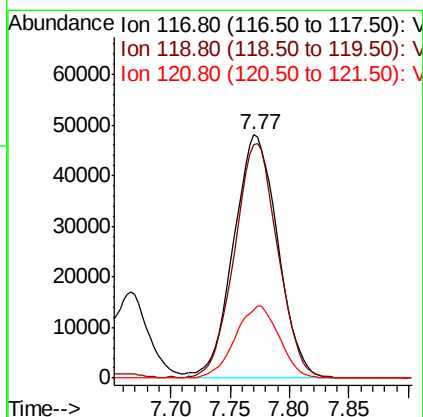
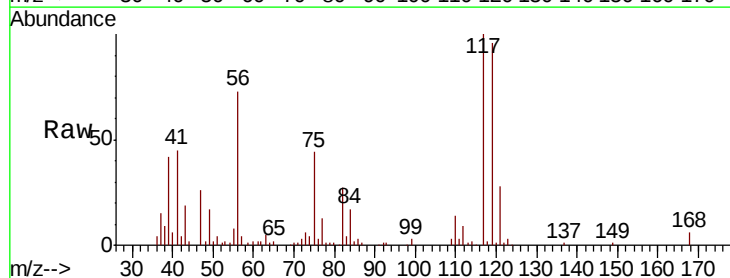
Instrument :
MSVOA_N
ClientSampled :

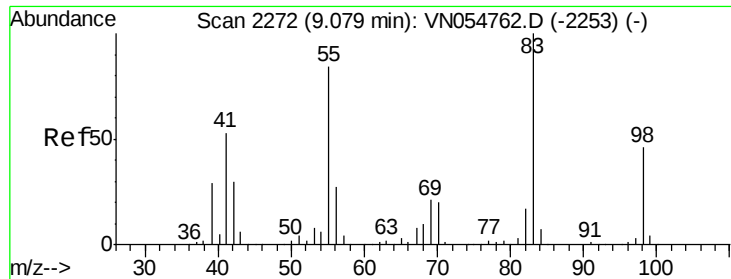
Tot Ion: 43 Resp: 98816
Ion Ratio Lower Upper
43 100
61 12.7 11.8 17.6
70 9.1 8.4 12.6



#38
Carbon Tetrachloride
Concen: 19.946 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Tgt Ion: 117 Resp: 123707
Ion Ratio Lower Upper
117 100
119 95.4 76.3 114.5
121 28.2 24.6 36.8

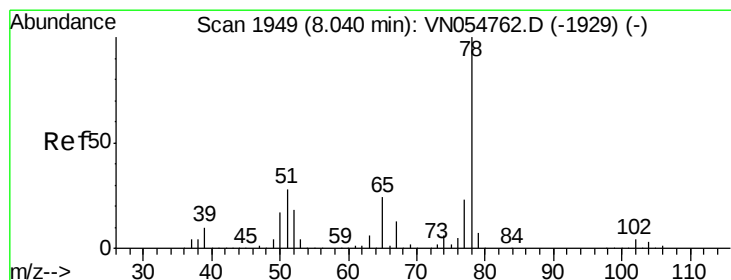
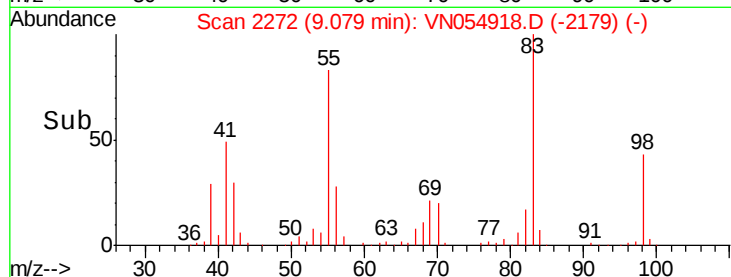
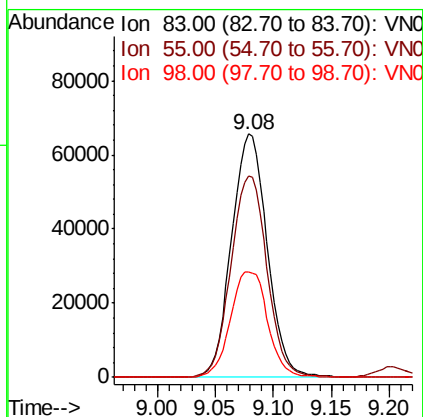
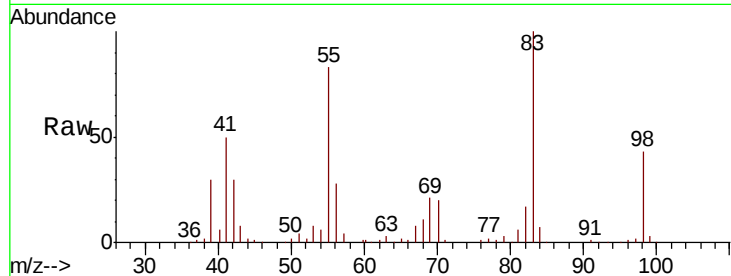




#39
Methvlcvclohexane
Concen: 20.032 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

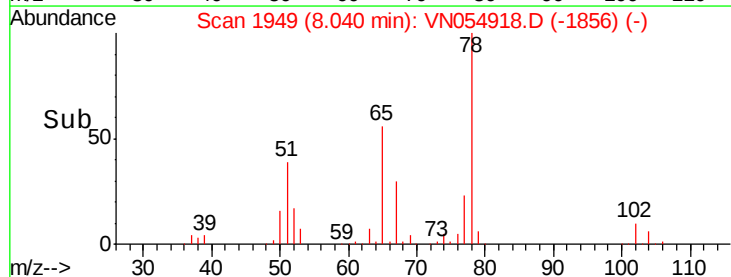
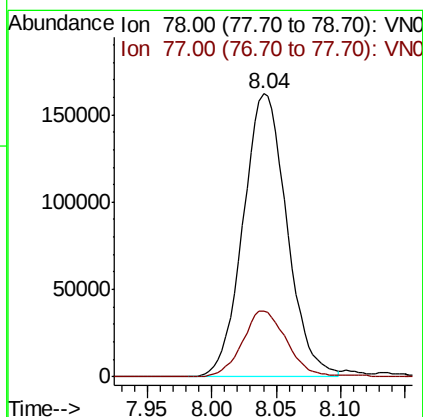
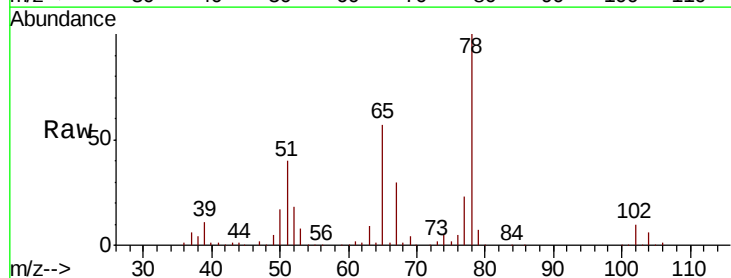
Instrument :
MSVOA_N
ClientSampled :

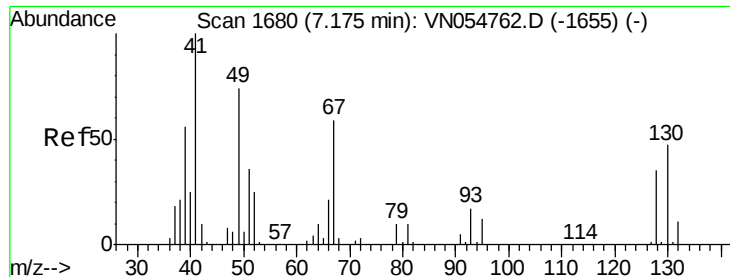
Tot Ion: 83 Resp: 140632
Ion Ratio Lower Upper
83 100
55 82.7 56.6 84.8
98 43.1 38.4 57.6



#40
Benzene
Concen: 21.001 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Tgt Ion: 78 Resp: 383718
Ion Ratio Lower Upper
78 100
77 23.4 19.1 28.7





#41

Methacrylonitrile

Concen: 24.635 ug/l

RT: 7.18 min Scan# 1680

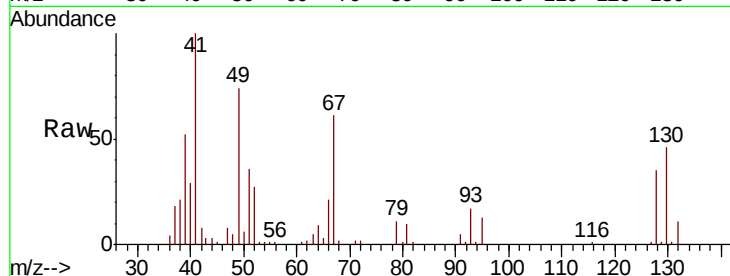
Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	64804
Ion	Ratio	Lower	Upper
41	100		
39	50.7	46.8	70.2
67	61.4	67.0	100.4#
52	28.5	26.5	39.7



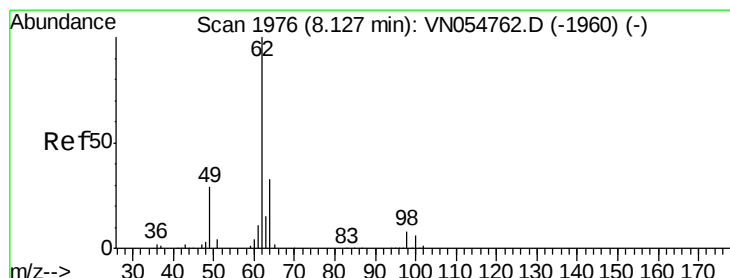
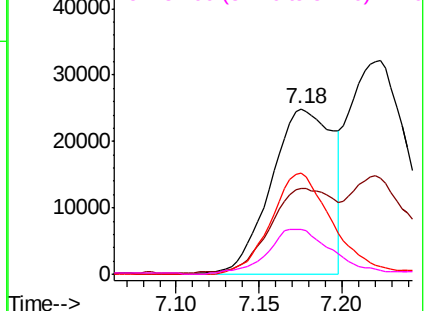
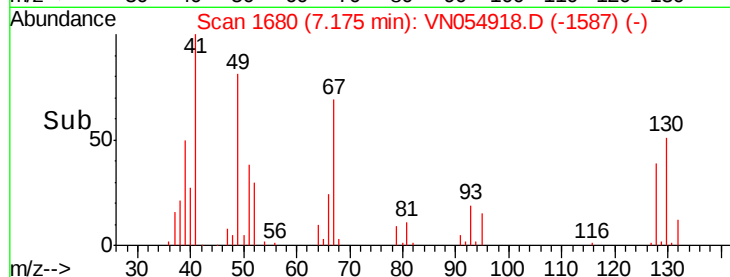
Abundance

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



#42

1,2-Dichloroethane

Concen: 21.183 ug/l

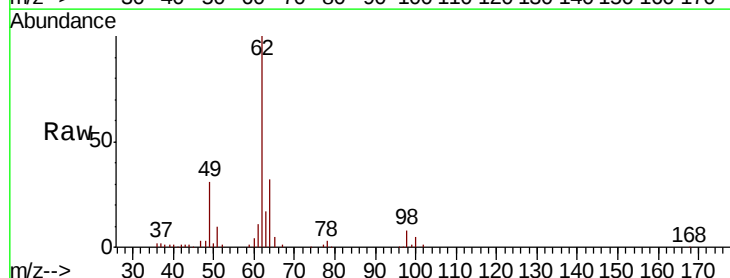
RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

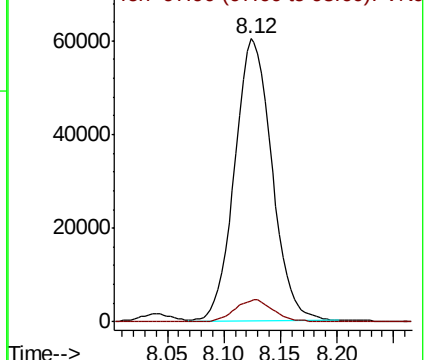
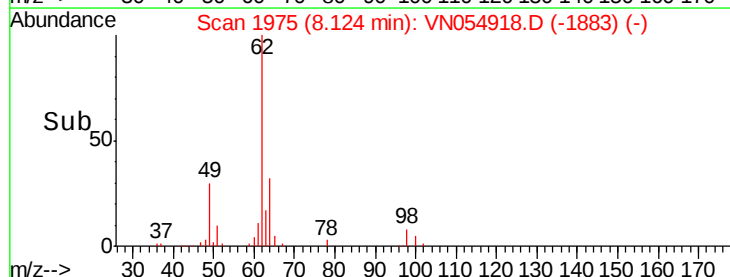
Tgt Ion:	62	Resp:	138201
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	18.4

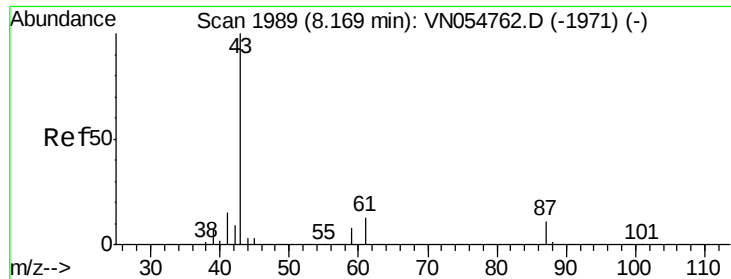


Abundance

Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 21.801 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :

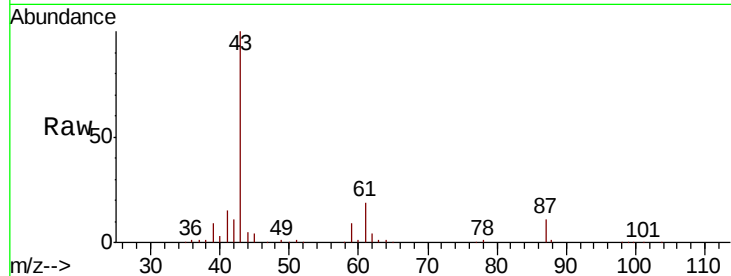
Tot Ion: 43 Resp: 165876

Ion Ratio Lower Upper

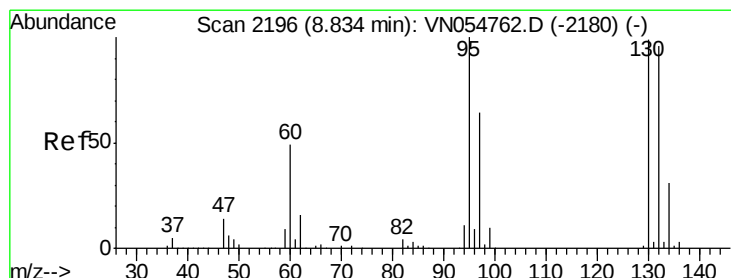
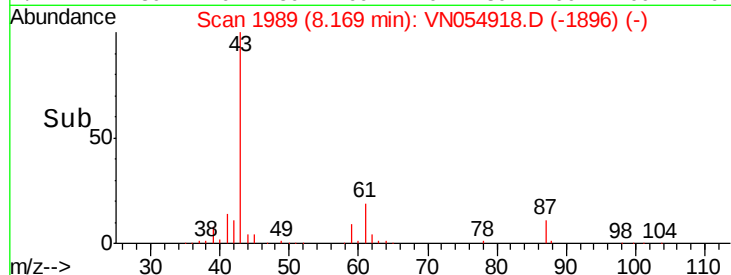
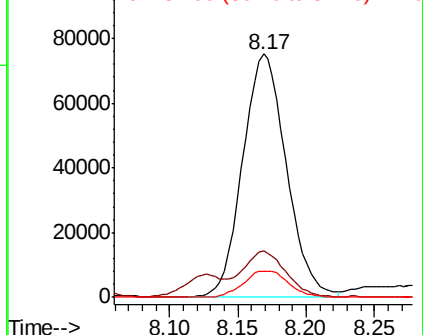
43 100

61 18.3 15.8 23.8

87 11.2 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 20.702 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054918.D

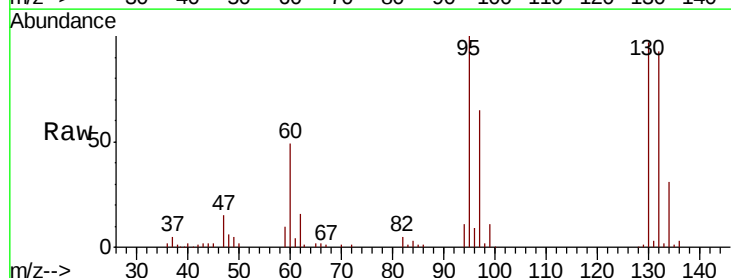
Acq: 3 Apr 2019 11:37

Tgt Ion:130 Resp: 98190

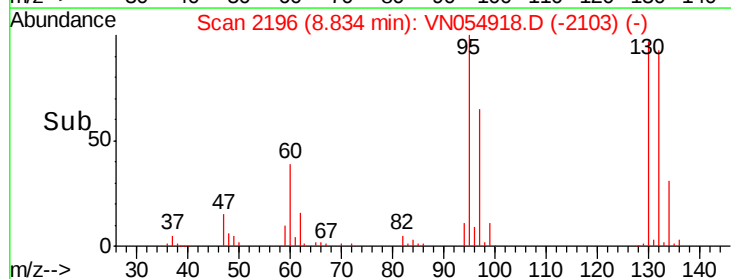
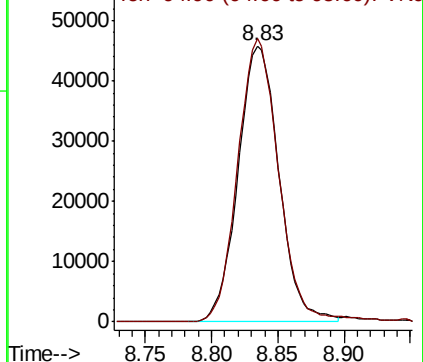
Ion Ratio Lower Upper

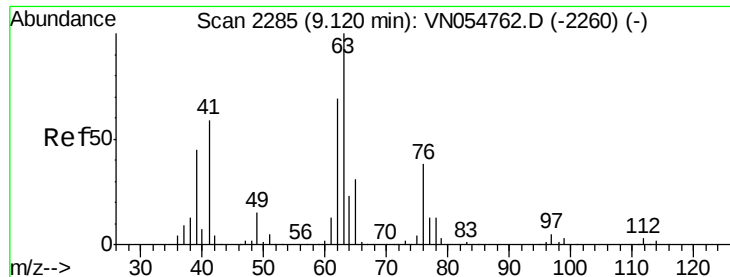
130 100

95 102.7 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 21.550 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :

MSVOA_N

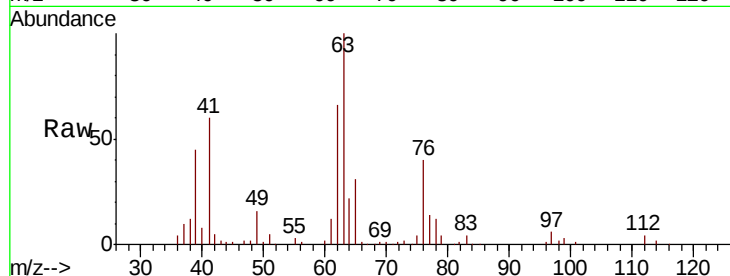
ClientSampleId :

Tot Ion: 63 Resp: 112277

Ion Ratio Lower Upper

63 100

65 31.4 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN054918.D (-2192) (-)

Ion 64.90 (64.60 to 65.60): VN054918.D (-2192) (-)

9.12

60000

50000

40000

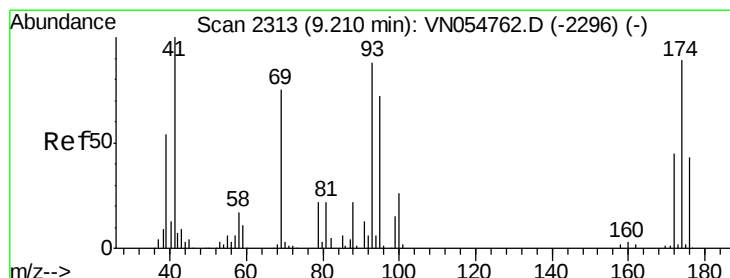
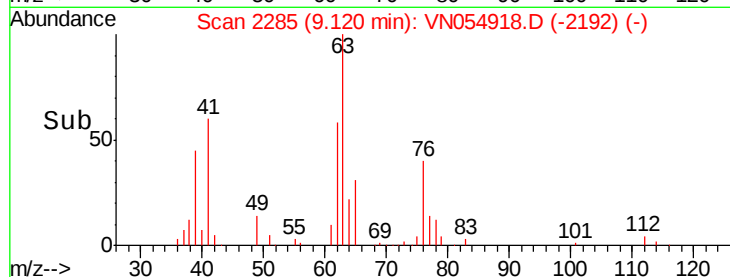
30000

20000

10000

0

Time-->



#46

Dibromomethane

Concen: 21.868 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

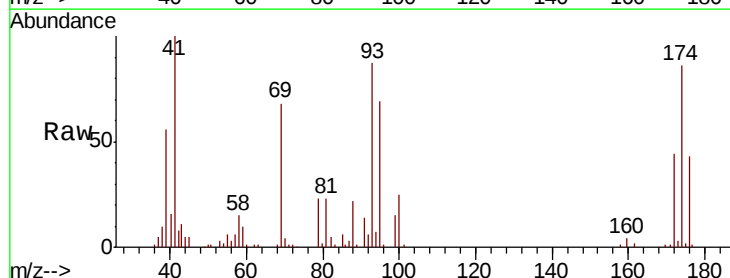
Tgt Ion: 93 Resp: 64091

Ion Ratio Lower Upper

93 100

95 81.6 66.7 100.1

174 98.6 98.5 147.7



Abundance Ion 92.80 (92.50 to 93.50): VN054918.D (-2220) (-)

Ion 94.80 (94.50 to 95.50): VN054918.D (-2220) (-)

Ion 173.70 (173.40 to 174.40): VN054918.D (-2220) (-)

9.21

40000

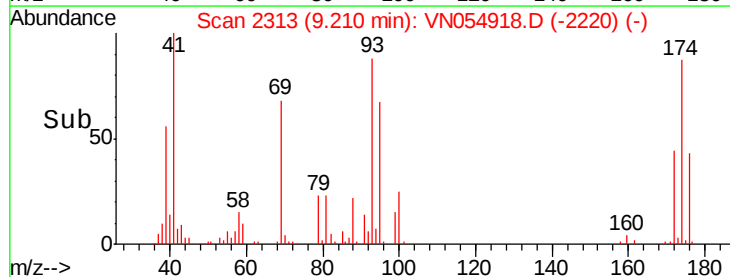
30000

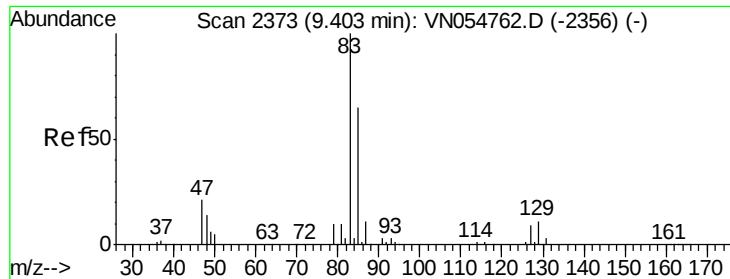
20000

10000

0

Time-->





#47

Bromodichloromethane

Concen: 21.594 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

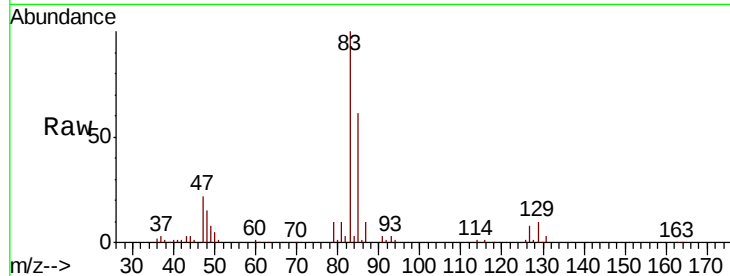
Tot Ion: 83 Resp: 131534

Ion Ratio Lower Upper

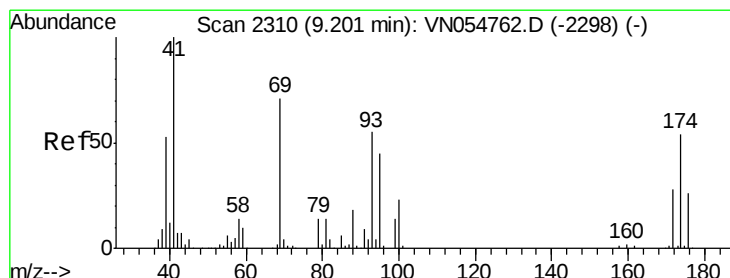
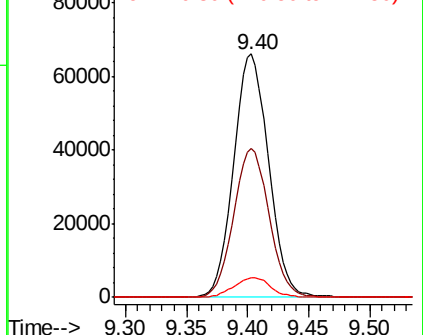
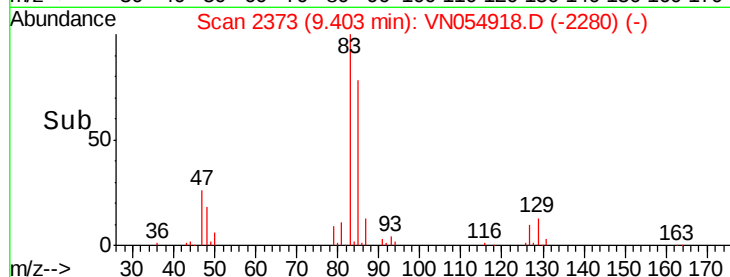
83 100

85 61.2 52.8 79.2

127 8.2 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN054918.D (-2280) (-)



#48

Methyl methacrylate

Concen: 20.455 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

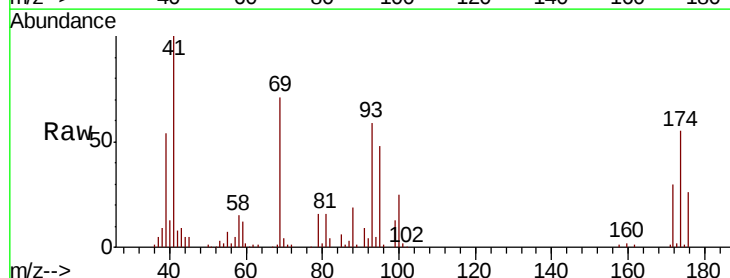
Tgt Ion: 41 Resp: 84369

Ion Ratio Lower Upper

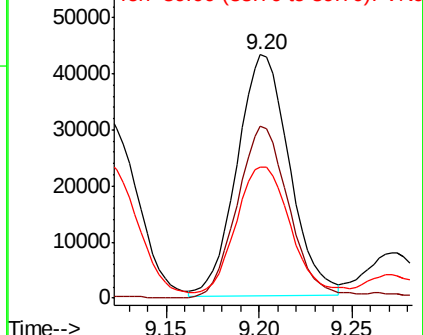
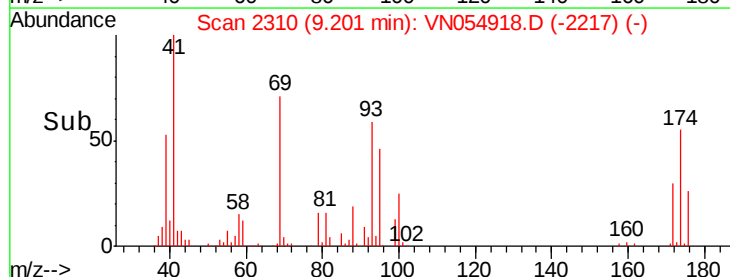
41 100

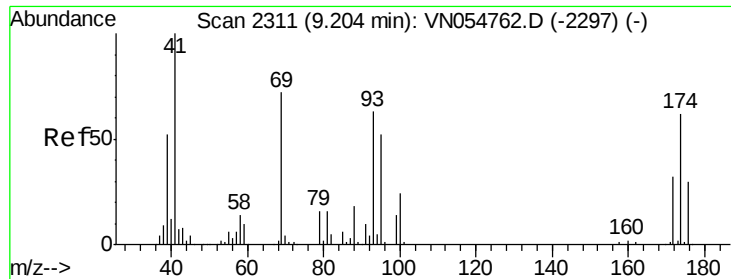
69 70.7 72.6 108.8#

39 56.2 47.5 71.3



Abundance Ion 41.00 (40.70 to 41.70): VN054918.D (-2217) (-)

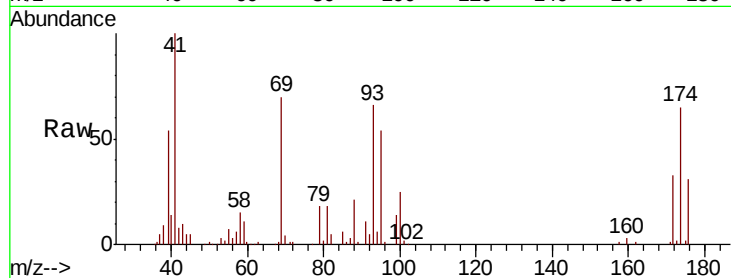




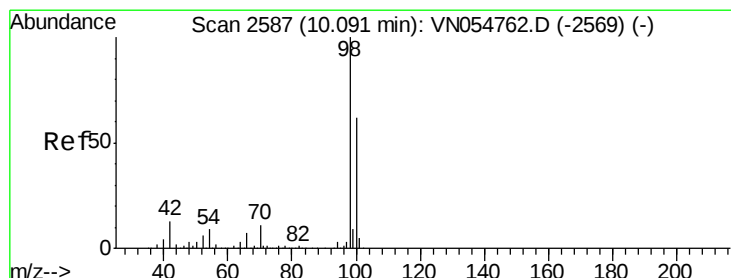
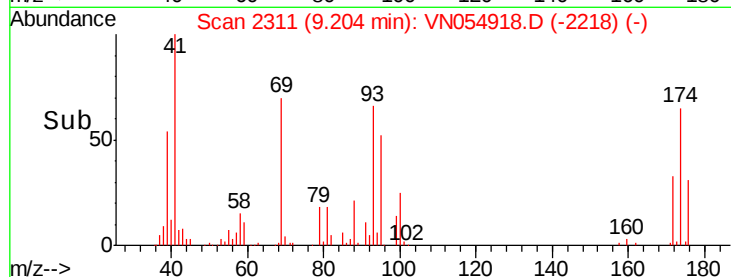
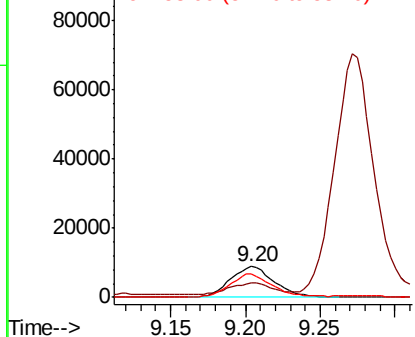
#49
 1,4-Dioxane
 Concen: 447.359 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN054918.D
 Acq: 3 Apr 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 18308
 Ion Ratio Lower Upper
 88 100
 43 38.3 24.1 36.1#
 58 73.5 50.8 76.2

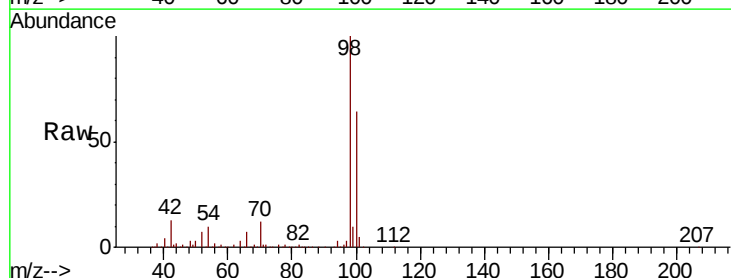


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

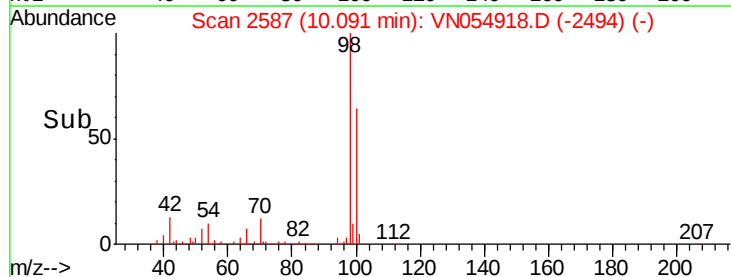
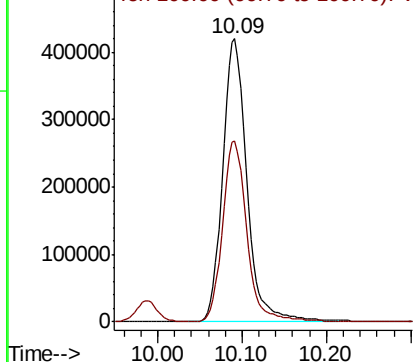


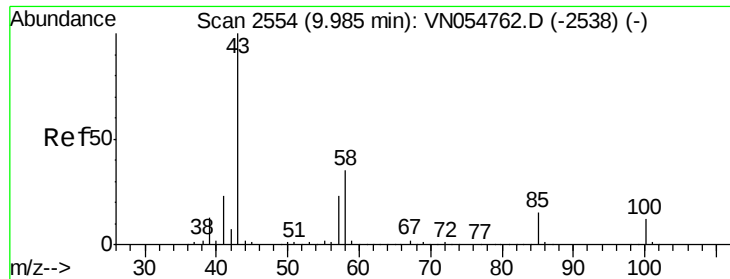
#50
 Toluene-d8
 Concen: 49.412 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN054918.D
 Acq: 3 Apr 2019 11:37

Tgt Ion: 98 Resp: 839297
 Ion Ratio Lower Upper
 98 100
 100 63.8 51.2 76.8



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





#51

4-Methyl-2-Pentanone

Concen: 113.194 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :

MSVOA_N

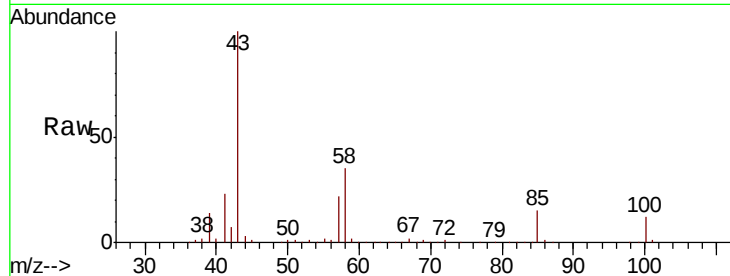
ClientSampled :

Tot Ion: 43 Resp: 484227

Ion Ratio Lower Upper

43 100

58 34.7 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN054762.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN054762.D (-2538) (-)

9.99

250000

200000

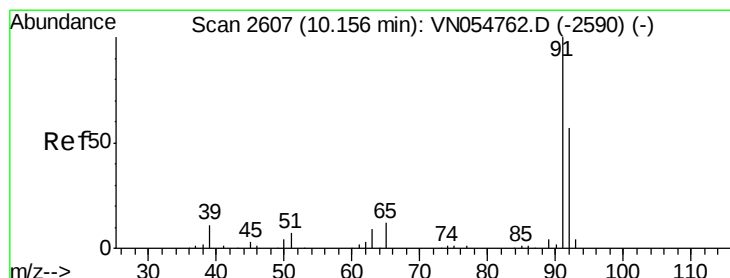
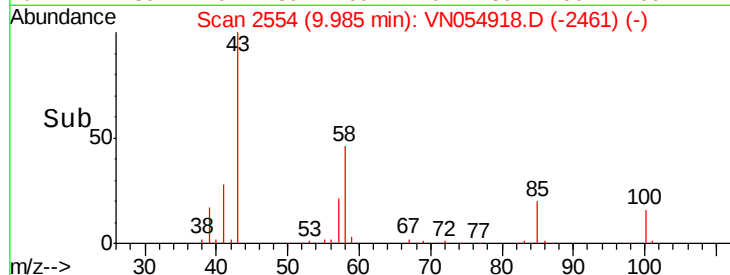
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 21.413 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054918.D

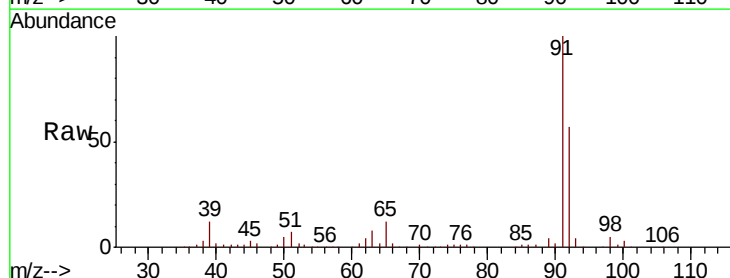
Acq: 3 Apr 2019 11:37

Tgt Ion: 92 Resp: 232812

Ion Ratio Lower Upper

92 100

91 175.5 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN054762.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN054762.D (-2590) (-)

10.16

200000

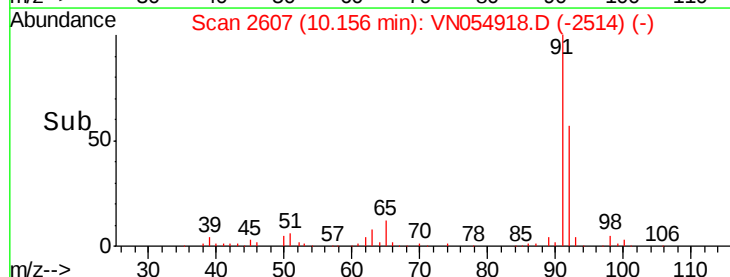
150000

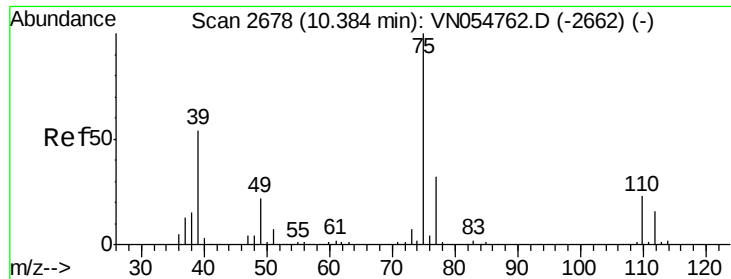
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.575 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :

MSVOA_N

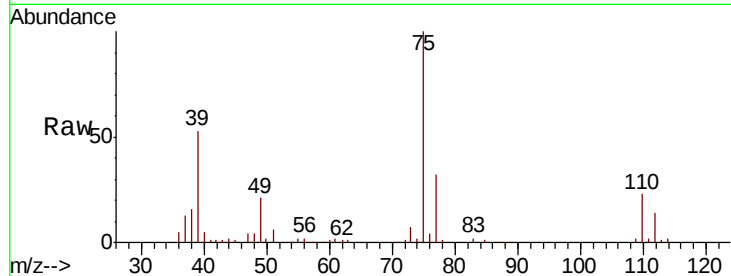
ClientSampled :

Tot Ion: 75 Resp: 117888

Ion Ratio Lower Upper

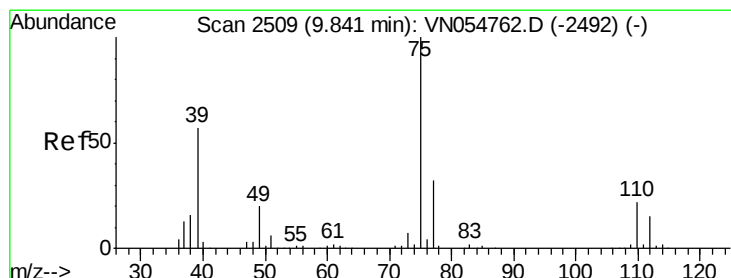
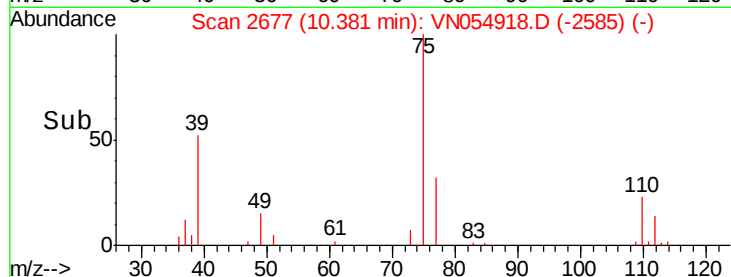
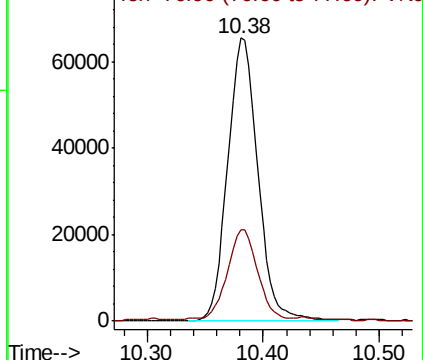
75 100

77 31.8 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 21.634 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

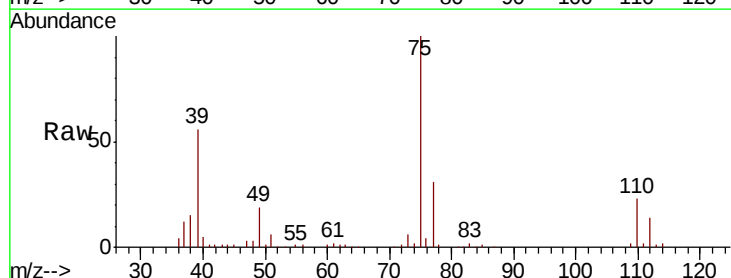
Tgt Ion: 75 Resp: 148072

Ion Ratio Lower Upper

75 100

77 31.0 25.4 38.0

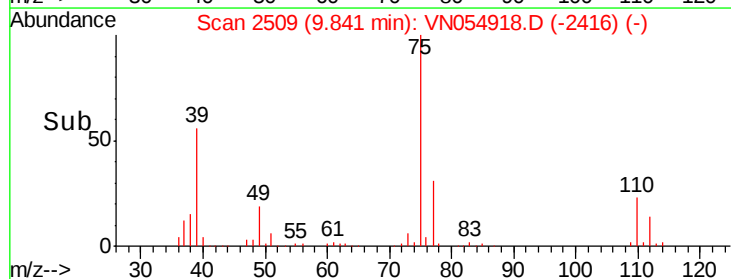
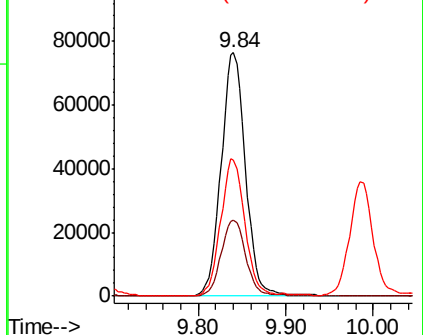
39 55.7 37.2 55.8

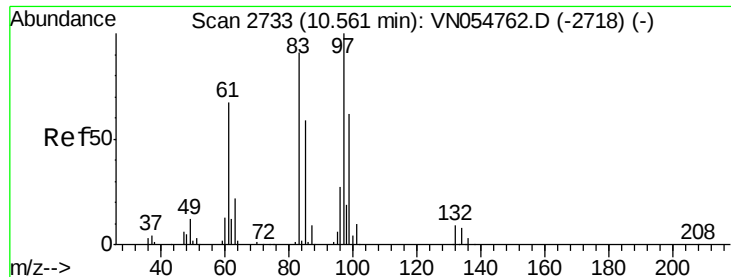


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 22.102 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 89353

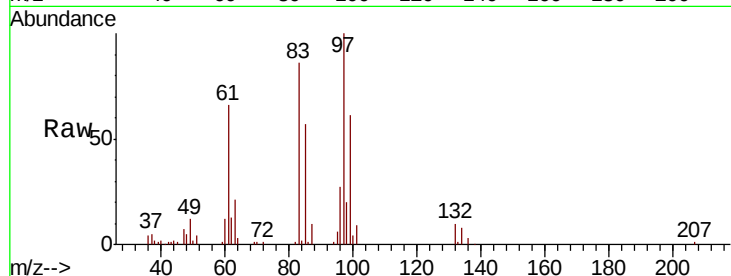
Ion Ratio Lower Upper

97 100

83 86.1 66.6 100.0

85 57.0 44.4 66.6

99 60.8 50.8 76.2

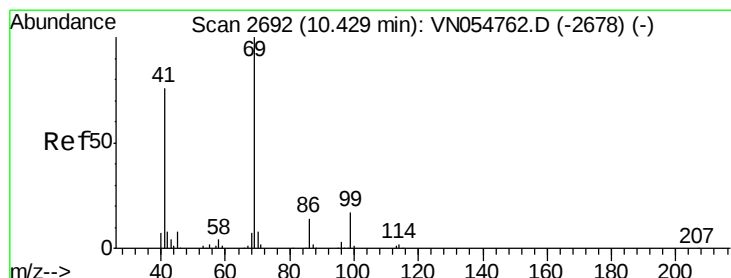
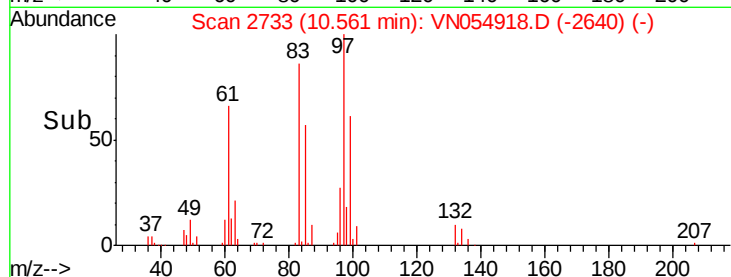
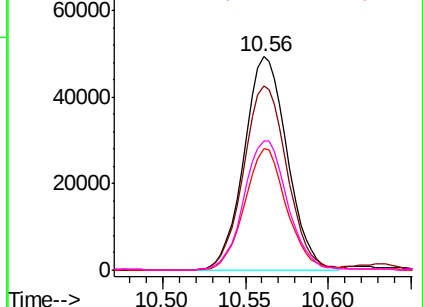


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 21.145 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

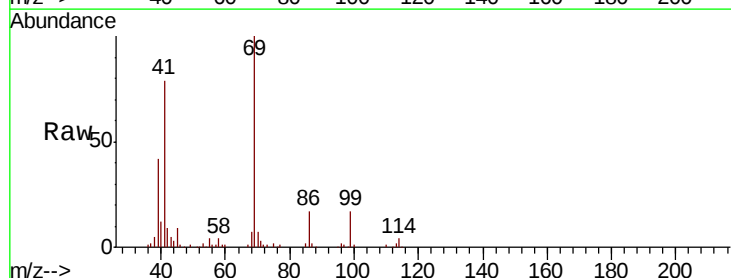
Tgt Ion: 69 Resp: 112140

Ion Ratio Lower Upper

69 100

41 76.7 49.4 74.2#

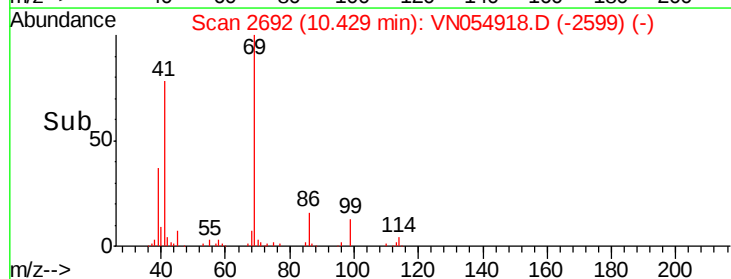
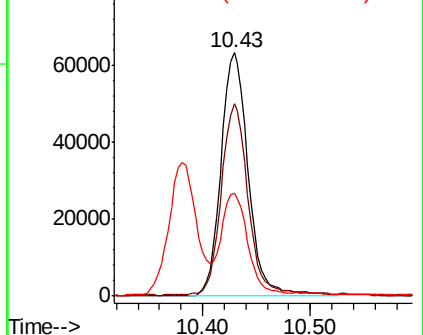
39 39.7 28.3 42.5

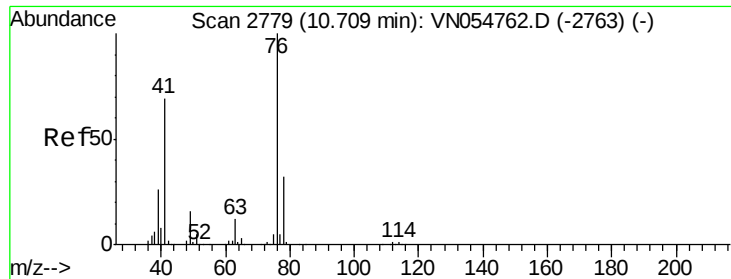


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

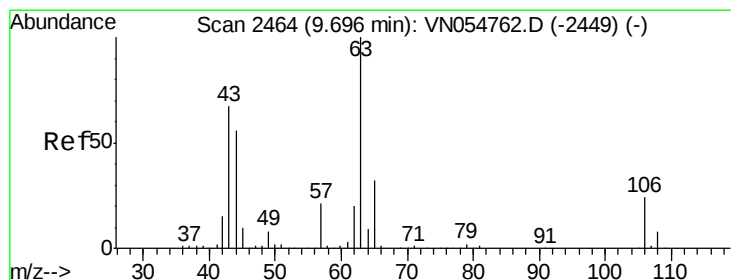
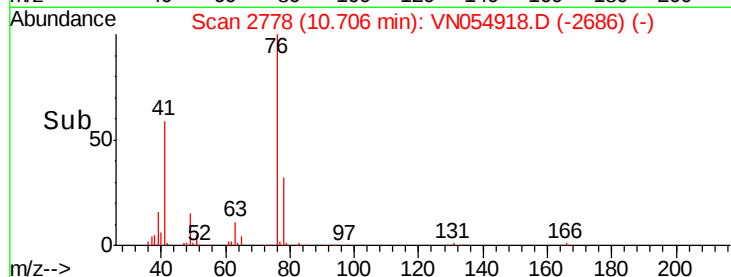
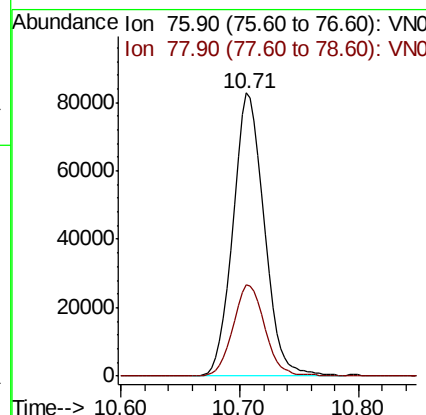
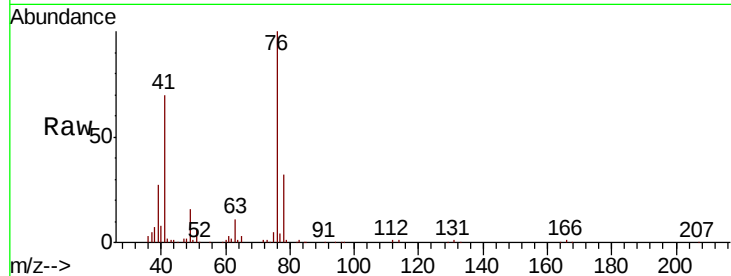




#57
 1,3-Dichloropropane
 Concen: 21.726 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN054918.D
 Acq: 3 Apr 2019 11:37

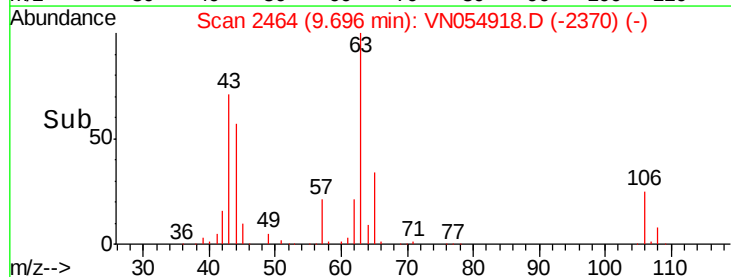
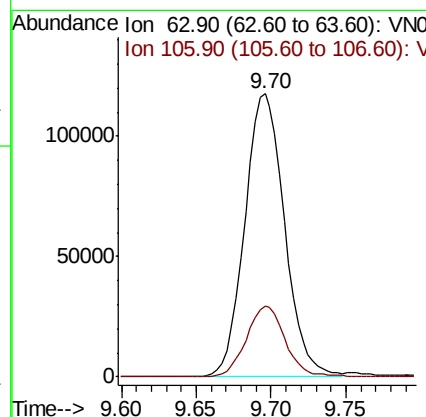
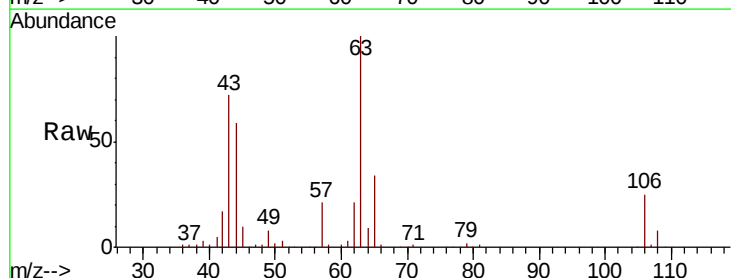
Instrument :
 MSVOA_N
 ClientSampled :

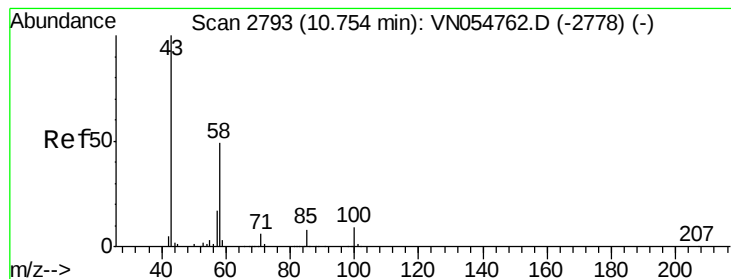
Tot Ion: 76 Resp: 151007
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.958 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054918.D
 Acq: 3 Apr 2019 11:37

Tgt Ion: 63 Resp: 218304
 Ion Ratio Lower Upper
 63 100
 106 24.5 24.4 36.6





#59

2-Hexanone

Concen: 109.900 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :

MSVOA_N

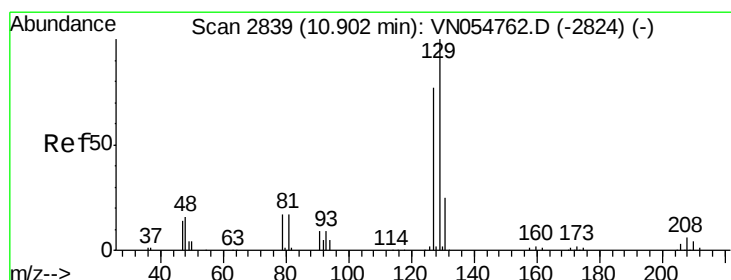
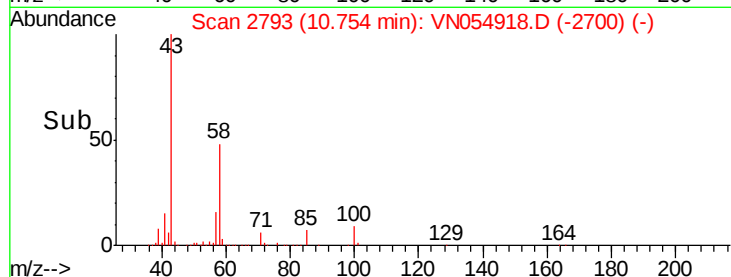
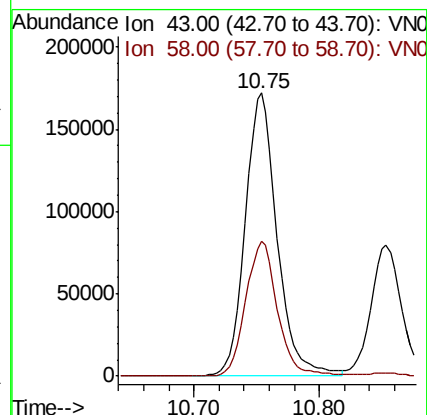
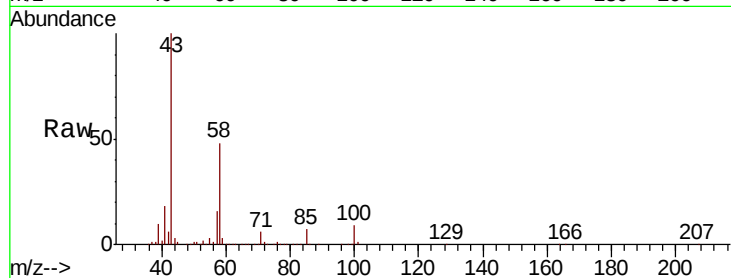
ClientSampleId :

Tot Ion: 43 Resp: 300962

Ion Ratio Lower Upper

43 100

58 48.3 28.0 83.9



#60

Dibromochloromethane

Concen: 21.460 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN054918.D

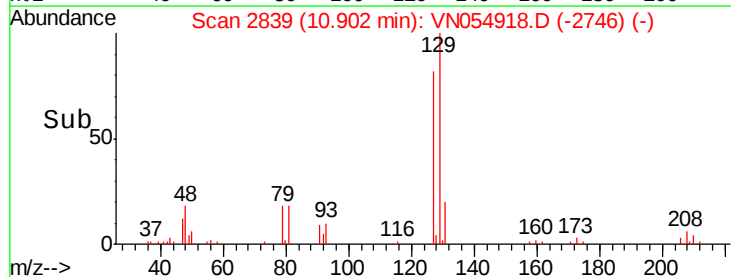
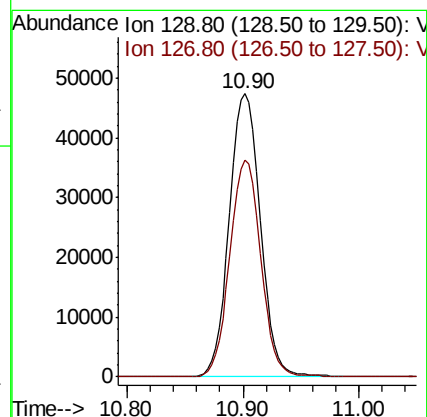
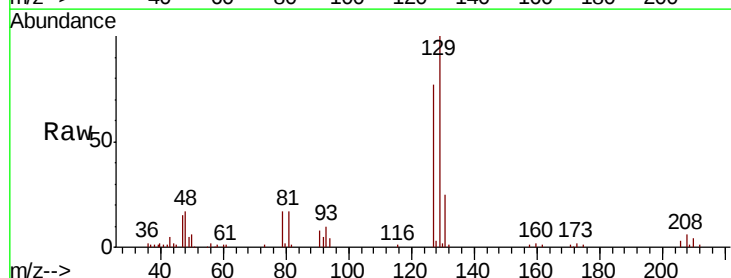
Acq: 3 Apr 2019 11:37

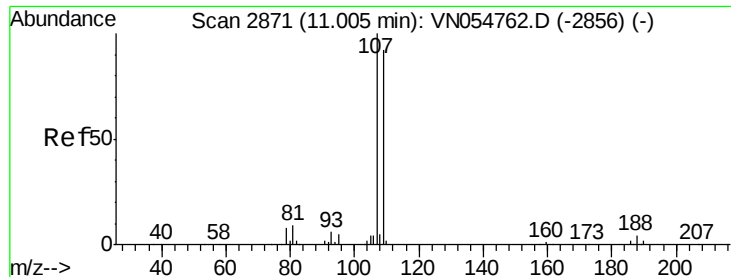
Tgt Ion: 129 Resp: 87885

Ion Ratio Lower Upper

129 100

127 76.1 38.6 115.8





#61

1,2-Dibromoethane

Concen: 21.670 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :

MSVOA_N

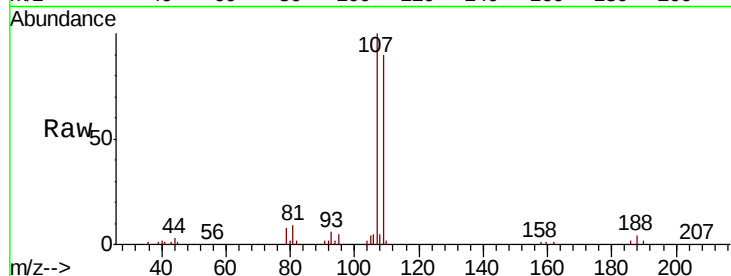
ClientSampled :

Tot Ion:107 Resp: 83721

Ion Ratio Lower Upper

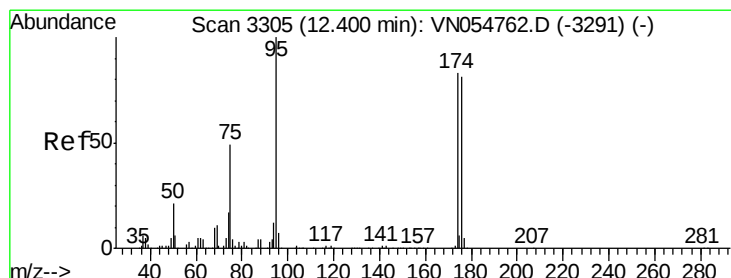
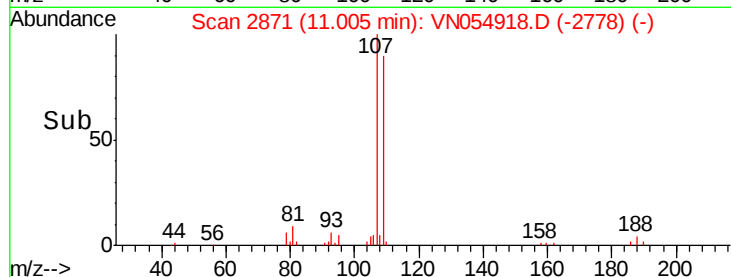
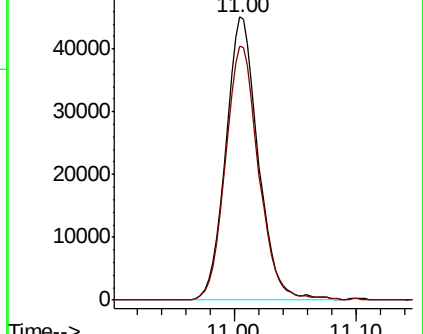
107 100

109 92.1 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.688 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

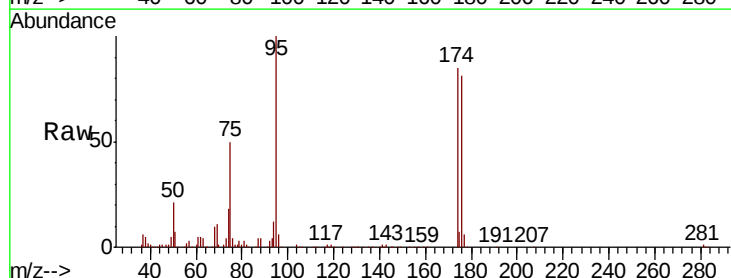
Tgt Ion: 95 Resp: 275042

Ion Ratio Lower Upper

95 100

174 84.1 0.0 191.0

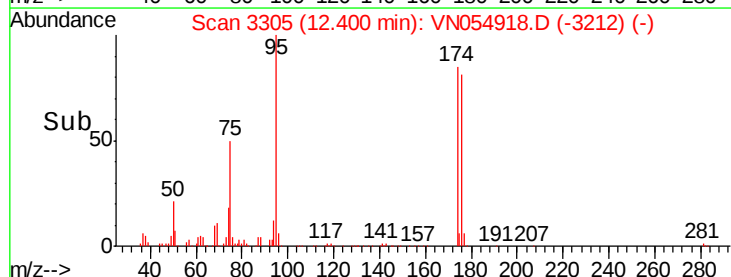
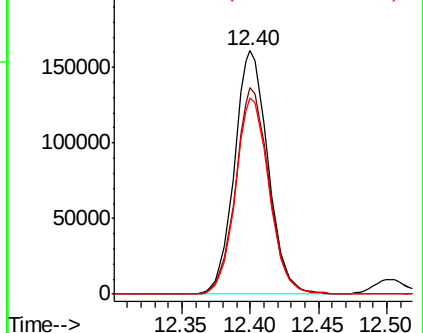
176 80.6 0.0 187.4

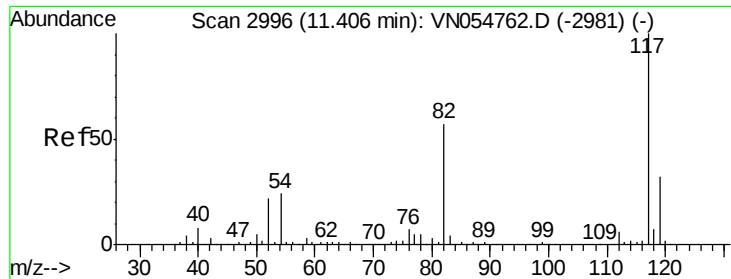


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

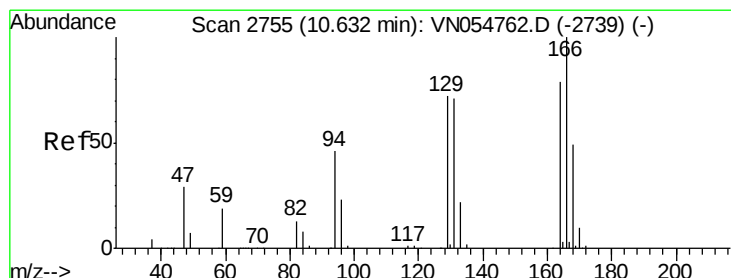
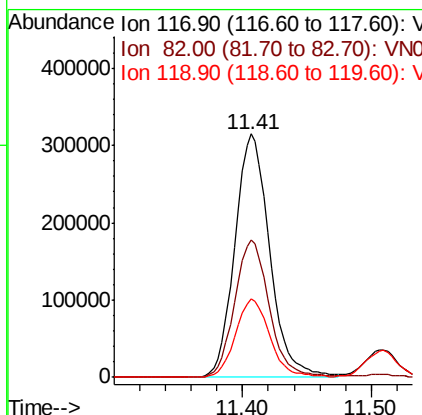
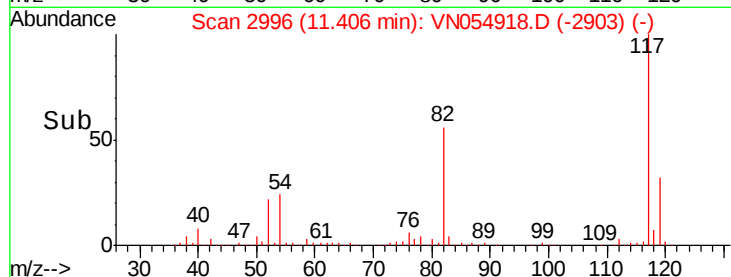
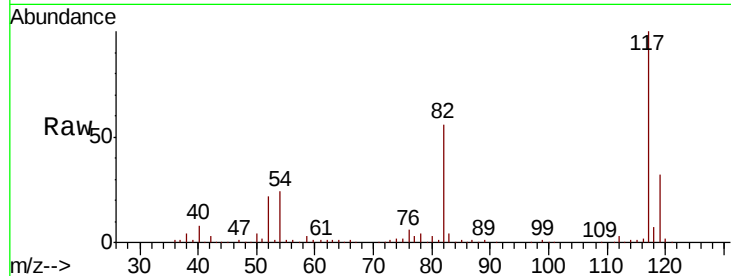




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

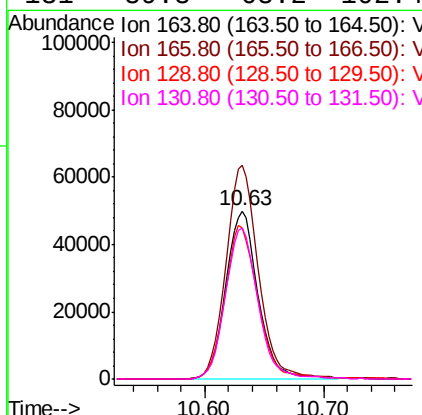
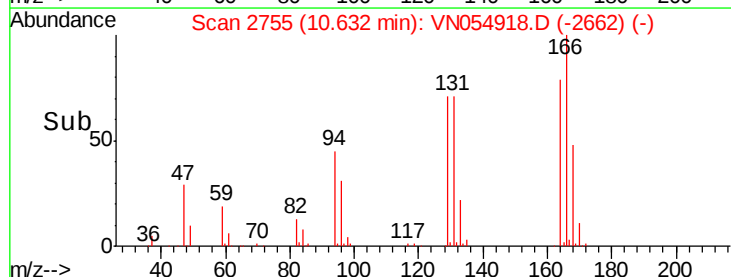
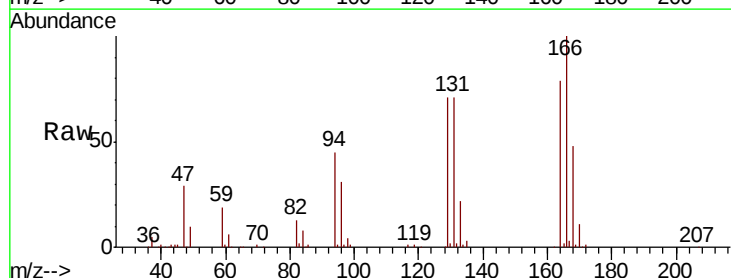
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 591390
Ion Ratio Lower Upper
117 100
82 56.5 40.0 60.0
119 32.1 25.8 38.6



#64
Tetrachloroethene
Concen: 20.669 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Tgt Ion:164 Resp: 93799
Ion Ratio Lower Upper
164 100
166 126.9 103.9 155.9
129 90.0 71.1 106.7
131 89.8 68.2 102.4

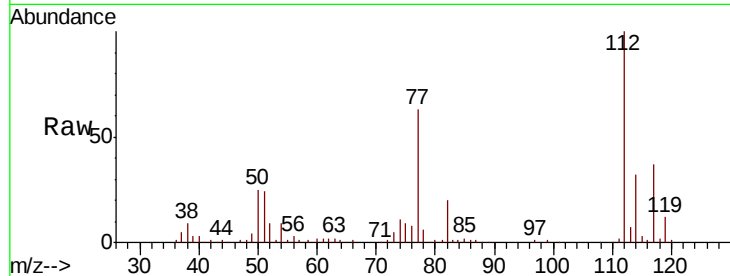




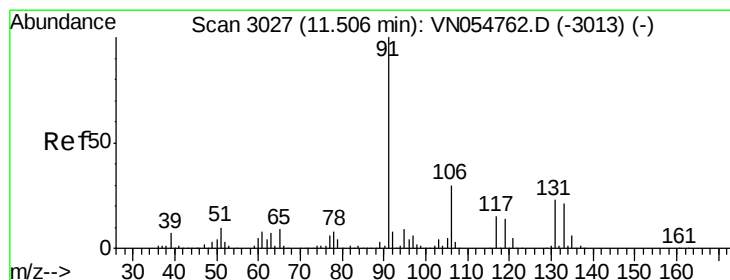
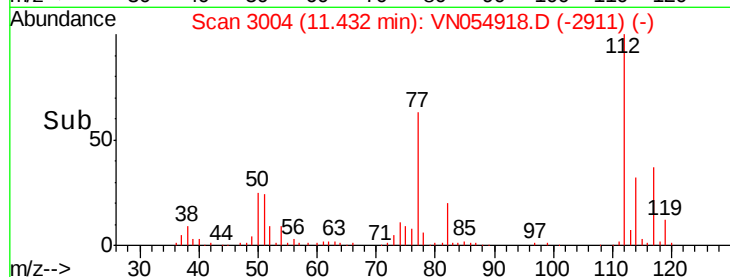
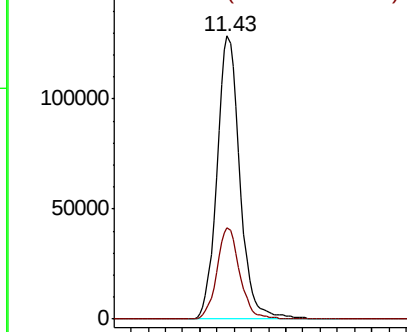
#65
Chlorobenzene
Concen: 20.577 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:112 Resp: 238253
Ion Ratio Lower Upper
112 100
114 32.1 25.9 38.9

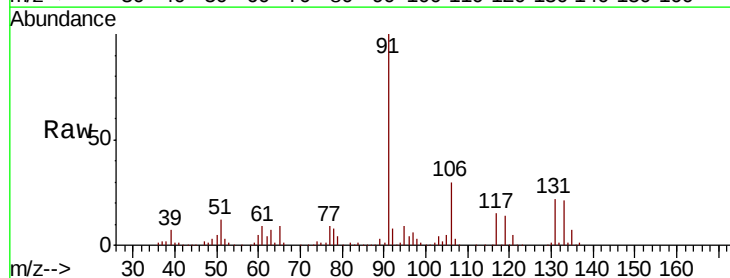


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

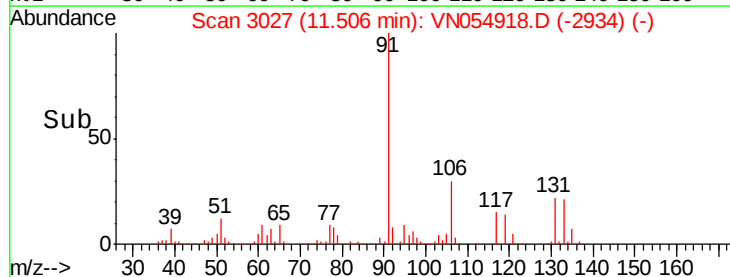
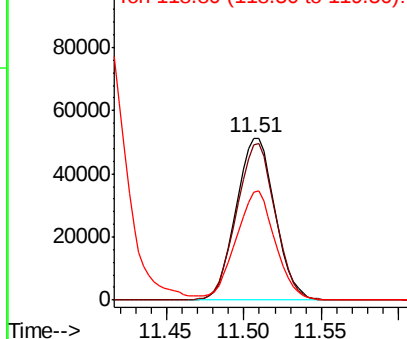


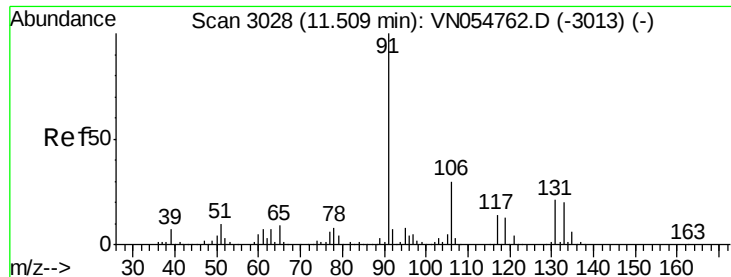
#66
1,1,1,2-Tetrachloroethane
Concen: 20.779 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Tgt Ion:131 Resp: 90054
Ion Ratio Lower Upper
131 100
133 96.5 47.6 142.9
119 67.9 32.4 97.0



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V

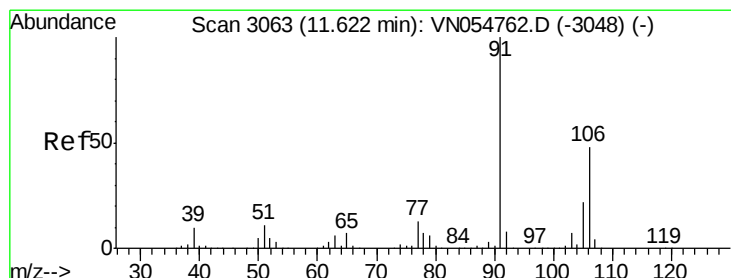
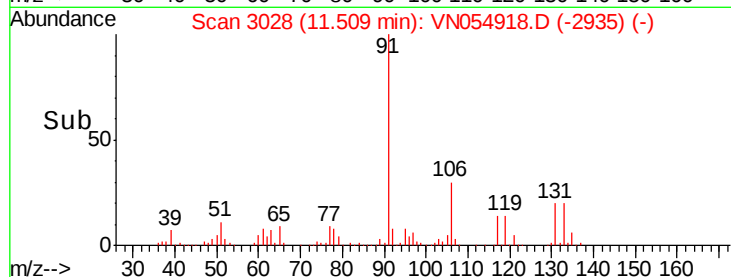
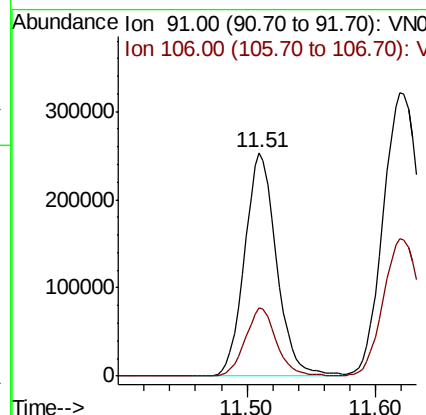
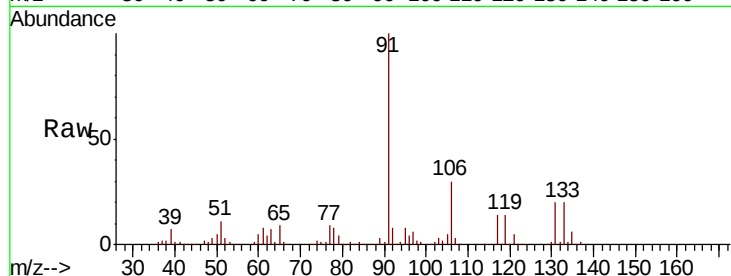




#67
Ethyl Benzene
Concen: 20.861 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

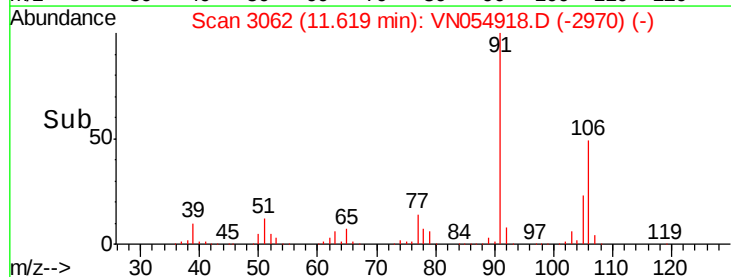
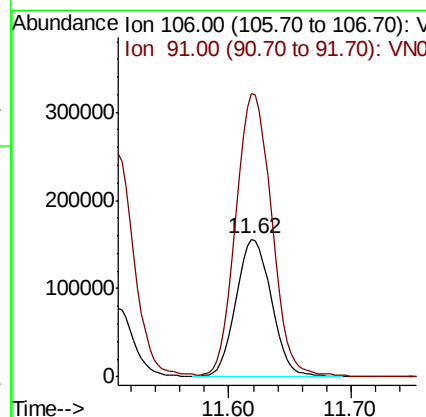
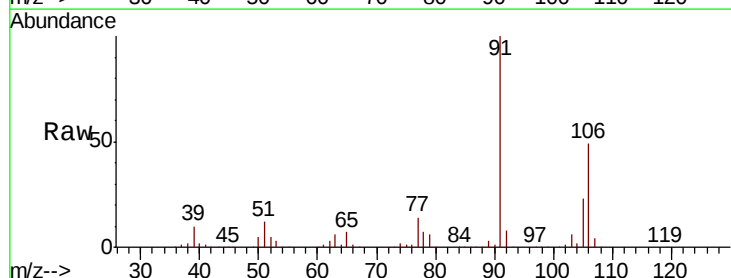
Instrument :
MSVOA_N
ClientSampleId :

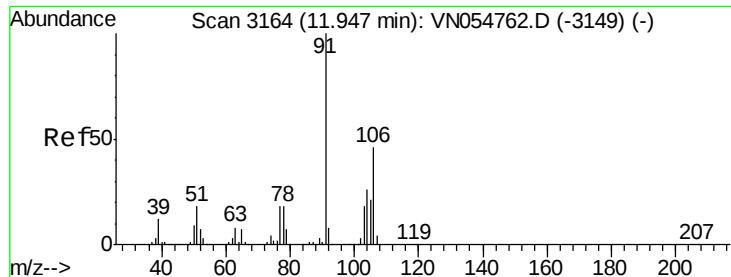
Tot Ion: 91 Resp: 435888
Ion Ratio Lower Upper
91 100
106 30.4 25.5 38.3



#68
m/p-Xylenes
Concen: 40.579 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Tgt Ion: 106 Resp: 313766
Ion Ratio Lower Upper
106 100
91 210.3 159.4 239.2

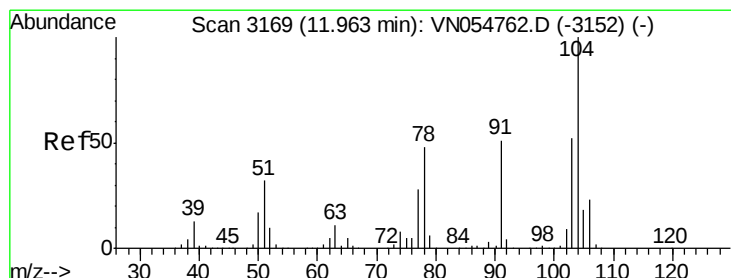
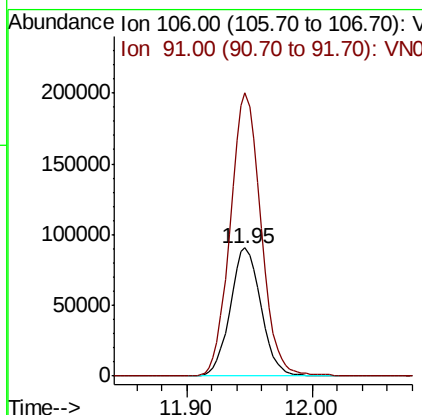
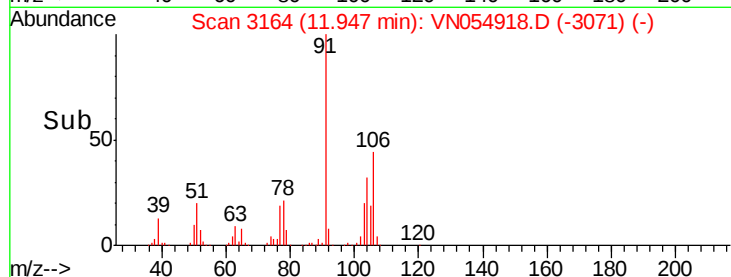
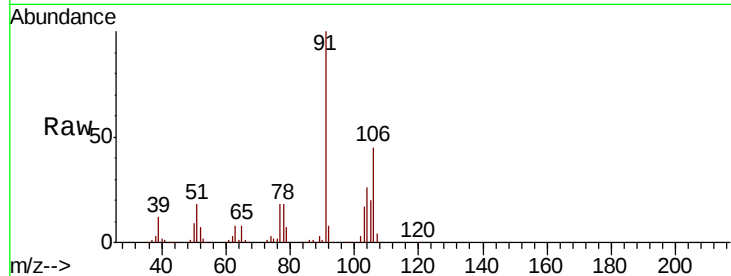




#69
o-Xylene
Concen: 20.417 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

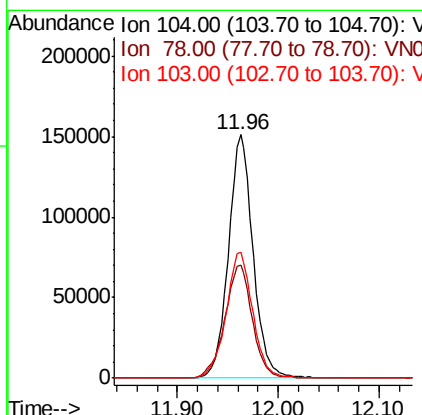
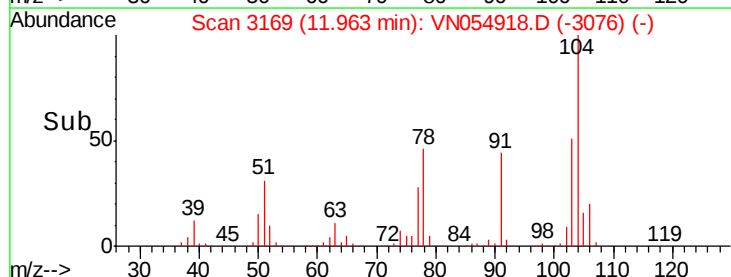
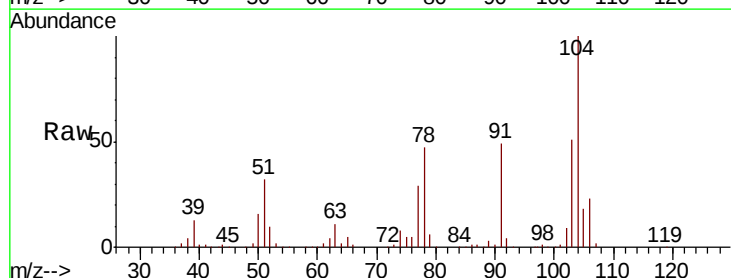
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 154810
Ion Ratio Lower Upper
106 100
91 220.4 105.7 317.1



#70
Styrene
Concen: 21.162 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Tgt Ion:104 Resp: 256556
Ion Ratio Lower Upper
104 100
78 52.2 38.2 57.2
103 56.3 44.4 66.6

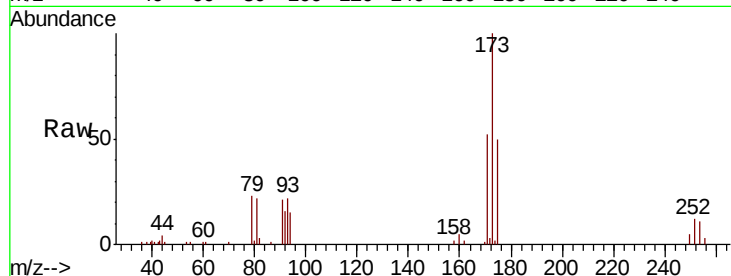




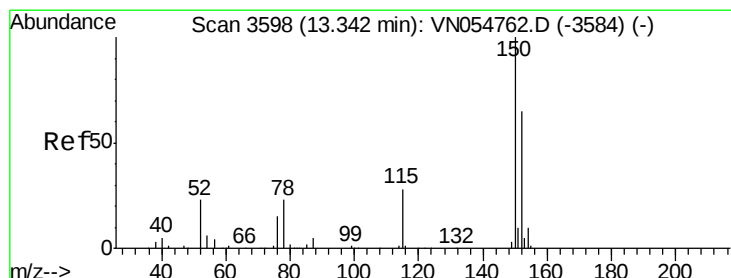
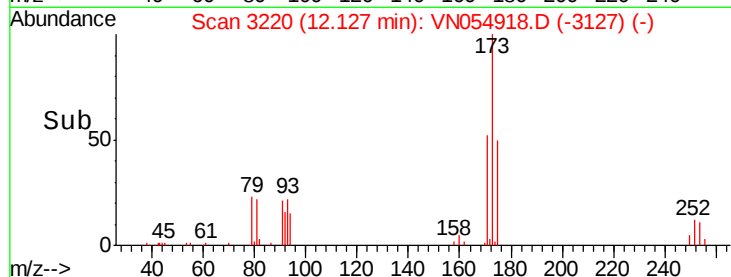
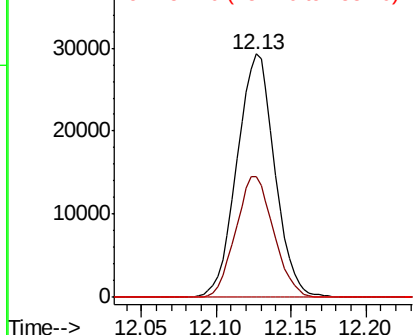
#71
Bromoform
Concen: 20.251 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 51418
Ion Ratio Lower Upper
173 100
175 49.8 24.4 73.2
254 0.0 0.1 0.1#

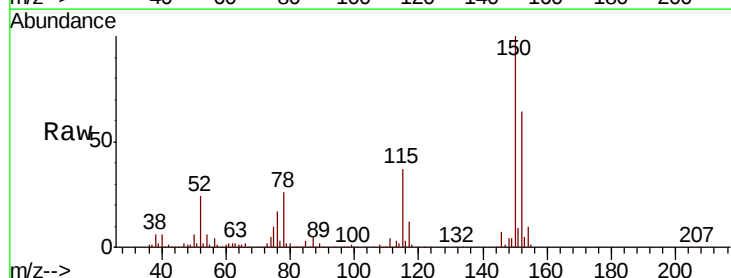


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

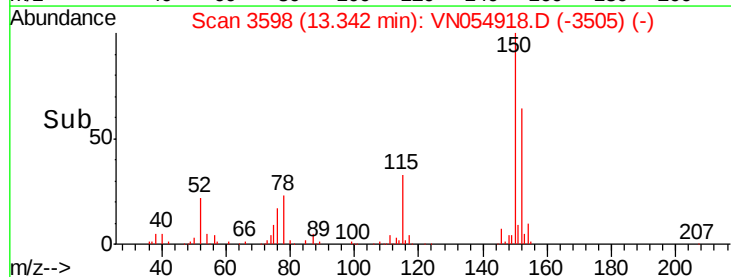
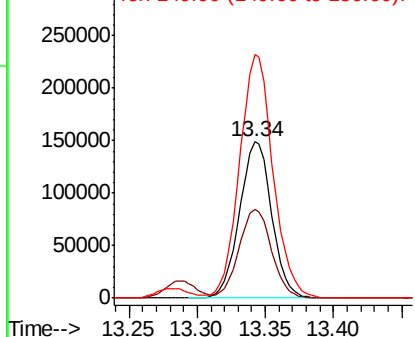


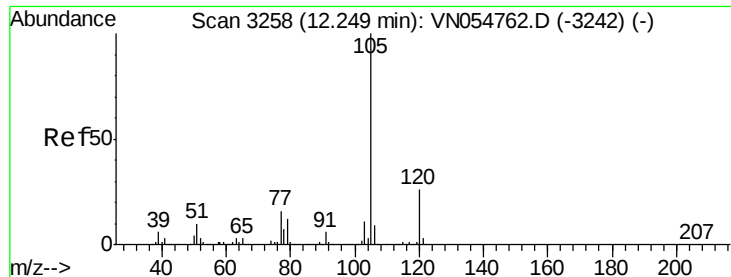
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Tgt Ion:152 Resp: 243746
Ion Ratio Lower Upper
152 100
115 57.6 27.2 81.6
150 161.7 0.0 349.2



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





#73

Isopropylbenzene

Concen: 20.926 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :

MSVOA_N

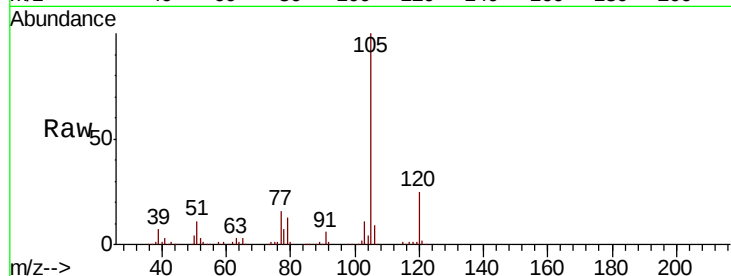
ClientSampled :

Tot Ion:105 Resp: 416901

Ion Ratio Lower Upper

105 100

120 26.4 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

250000

200000

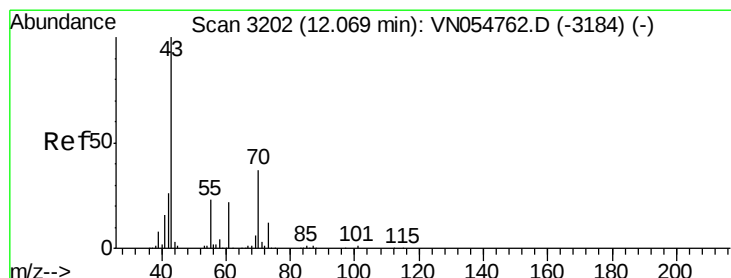
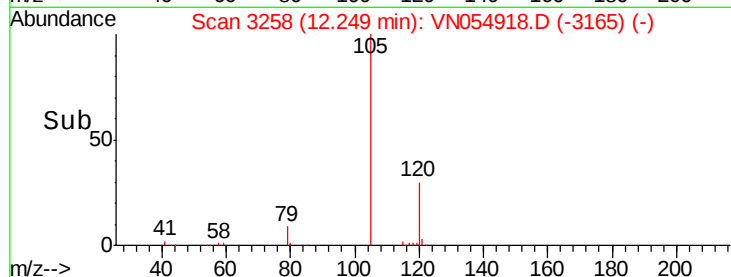
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 19.811 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Tgt Ion: 43 Resp: 122964

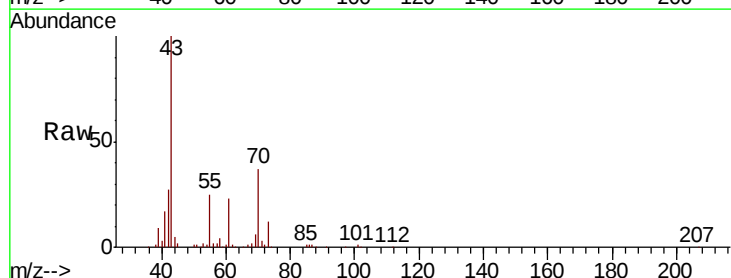
Ion Ratio Lower Upper

43 100

70 36.4 35.4 53.0

55 24.9 19.8 29.6

61 22.5 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

120000

100000

80000

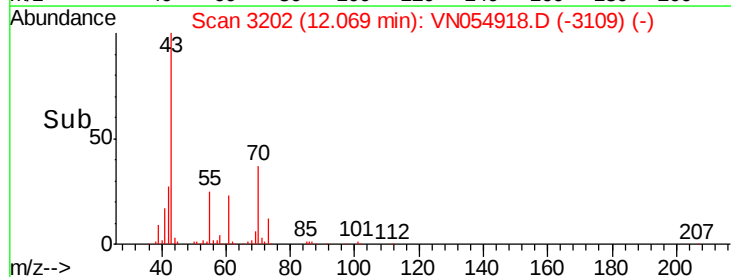
60000

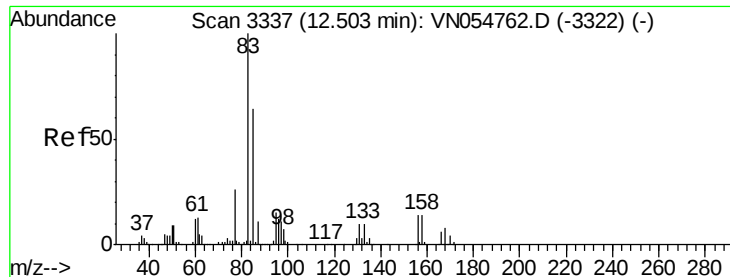
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 23.628 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

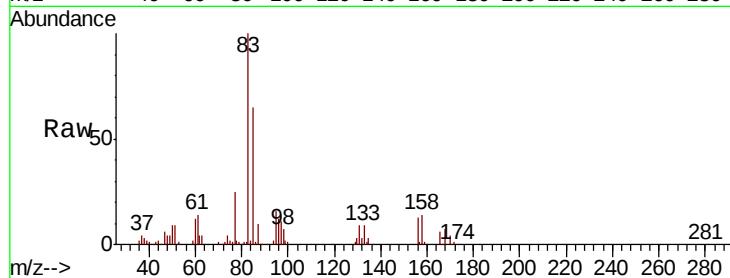
Tot Ion: 83 Resp: 107741

Ion Ratio Lower Upper

83 100

131 9.6 5.8 17.4

85 63.8 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN054918.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN054918.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN054918.D (-3243) (-)

12.50

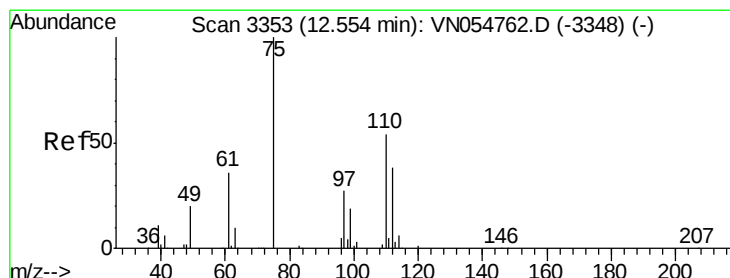
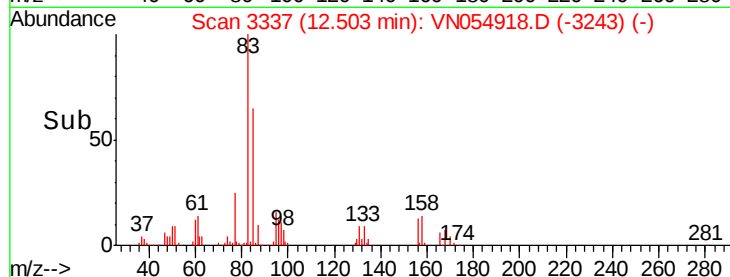
60000

40000

20000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 28.546 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054918.D

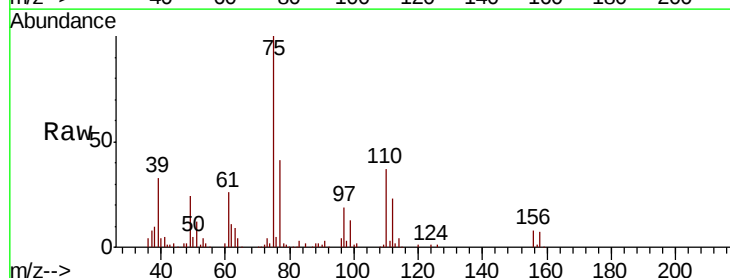
Acq: 3 Apr 2019 11:37

Tgt Ion: 75 Resp: 120875

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054918.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN054918.D (-3260) (-)

12.55

100000

80000

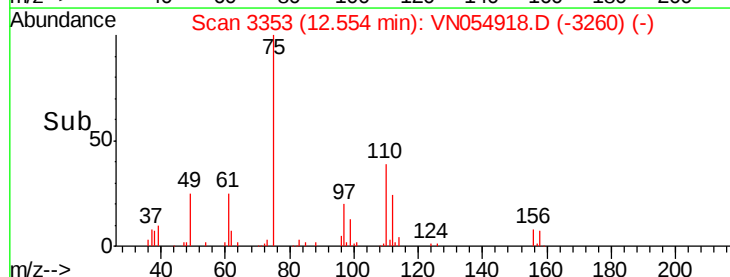
60000

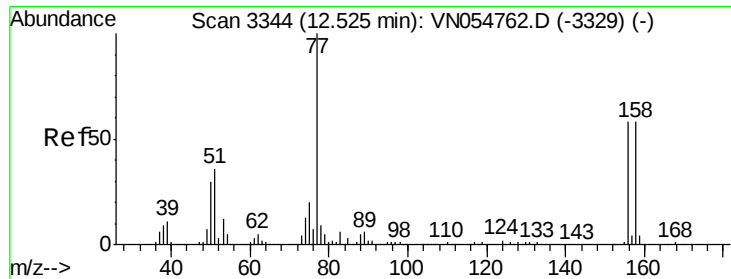
40000

20000

0

Time-->





#77

Bromobenzene

Concen: 21.236 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

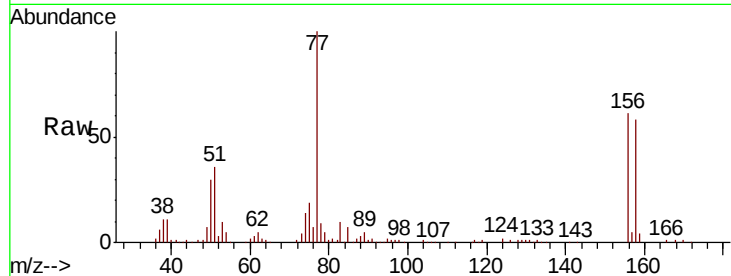
Tot Ion:156 Resp: 102109

Ion Ratio Lower Upper

156 100

77 192.2 81.5 244.4

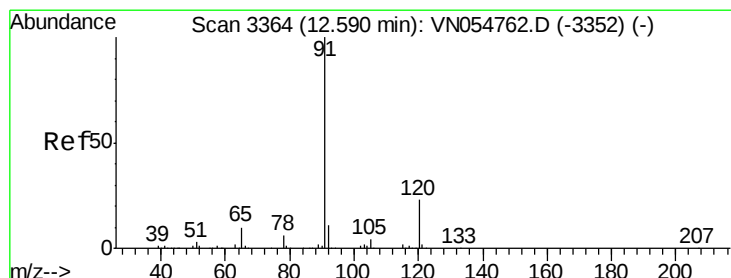
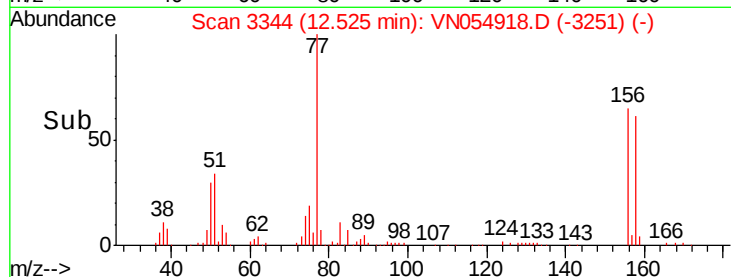
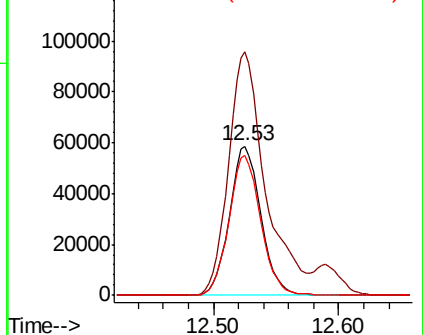
158 94.7 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.724 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054918.D

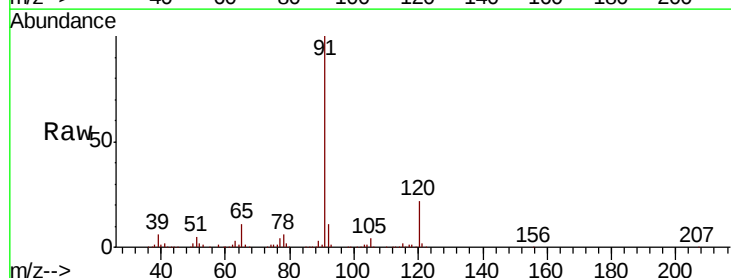
Acq: 3 Apr 2019 11:37

Tgt Ion: 91 Resp: 453798

Ion Ratio Lower Upper

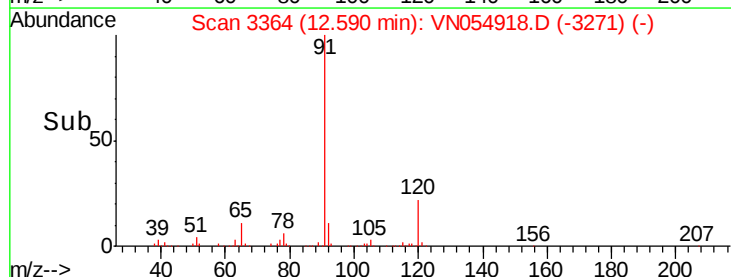
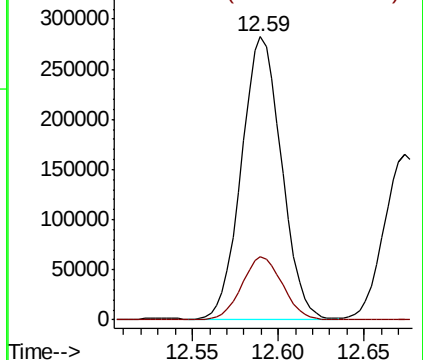
91 100

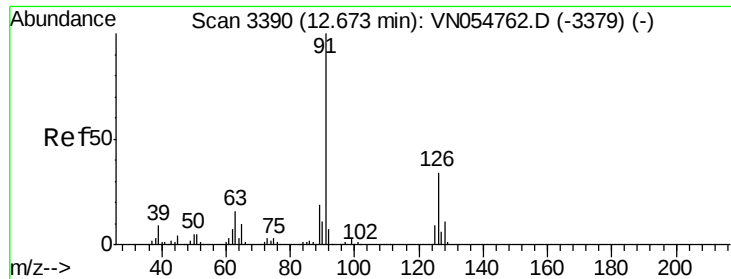
120 22.7 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.601 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :

MSVOA_N

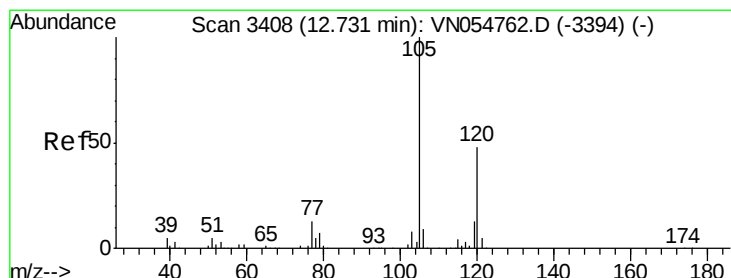
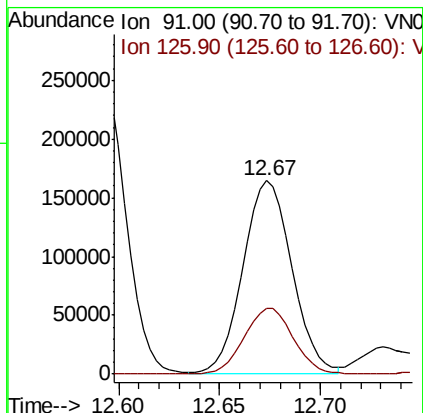
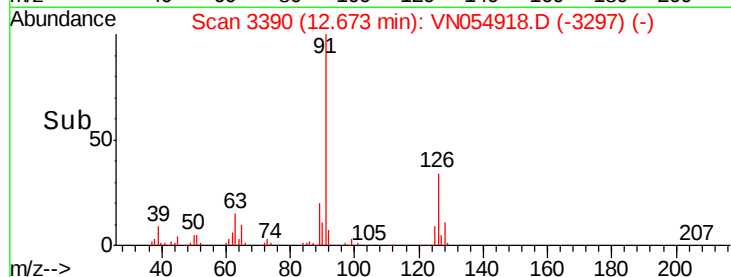
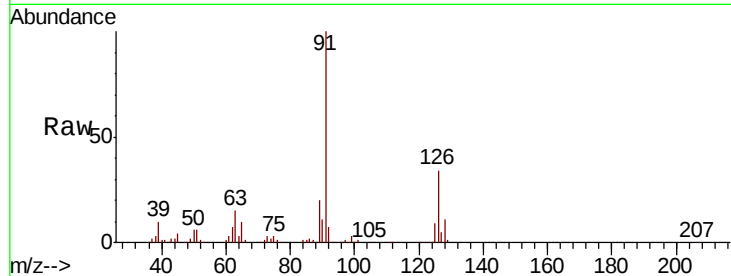
ClientSampled :

Tot Ion: 91 Resp: 279082

Ion Ratio Lower Upper

91 100

126 34.5 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 20.943 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054918.D

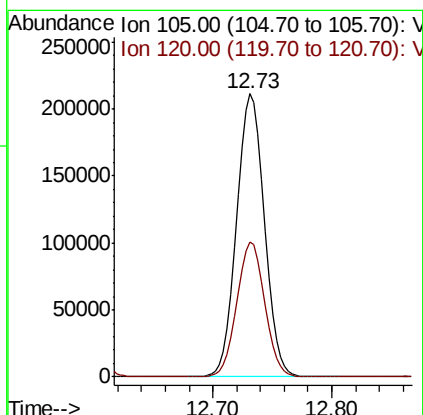
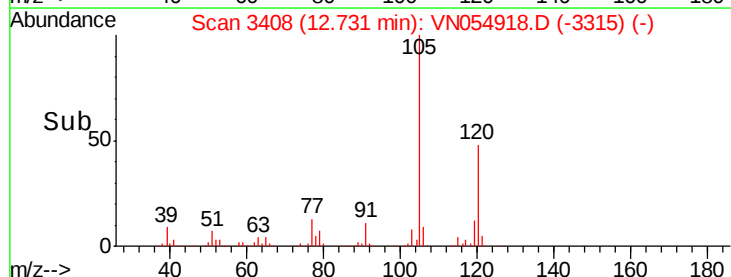
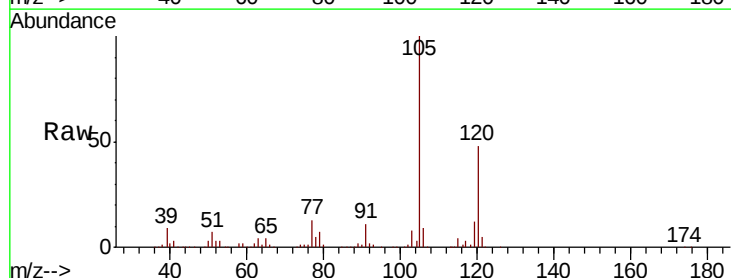
Acq: 3 Apr 2019 11:37

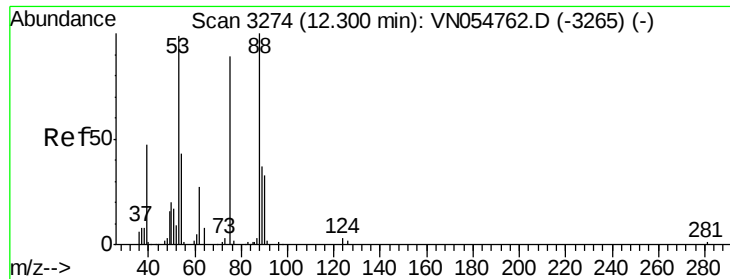
Tgt Ion:105 Resp: 342366

Ion Ratio Lower Upper

105 100

120 48.0 25.0 75.0

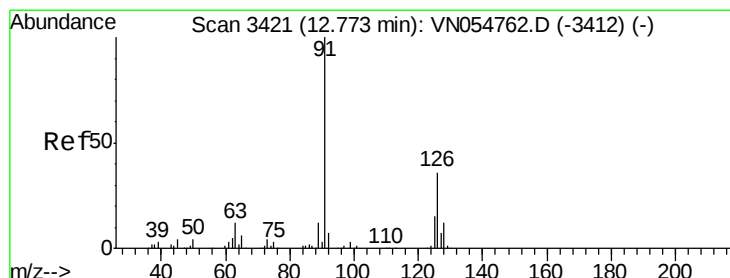
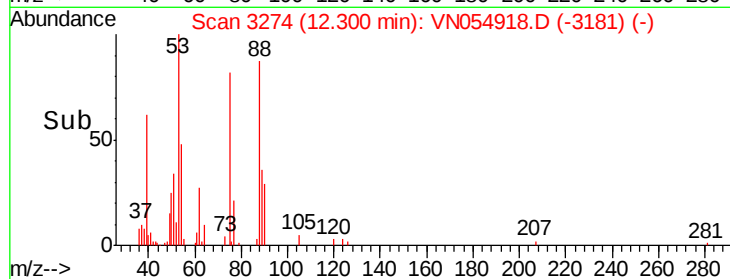
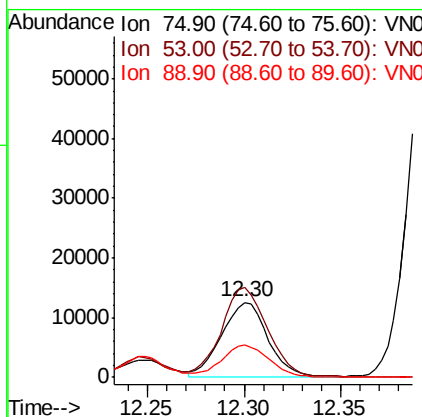
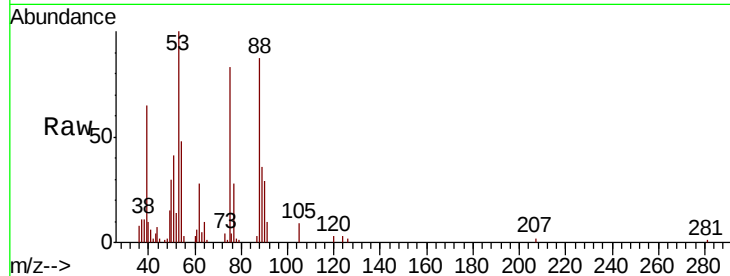




#81
trans-1,4-Dichloro-2-butene
Concen: 19.381 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

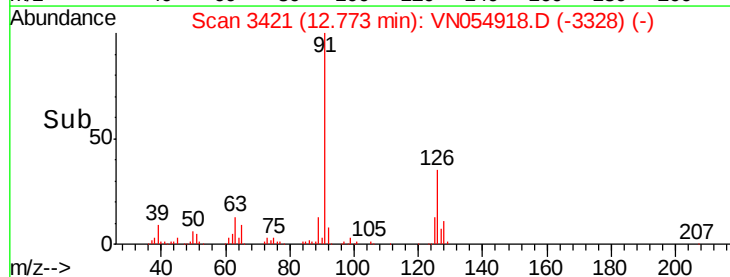
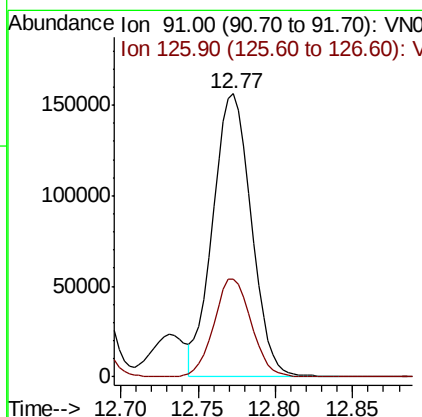
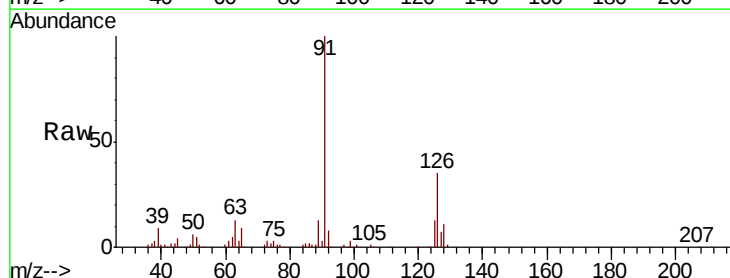
Instrument :
MSVOA_N
ClientSampled :

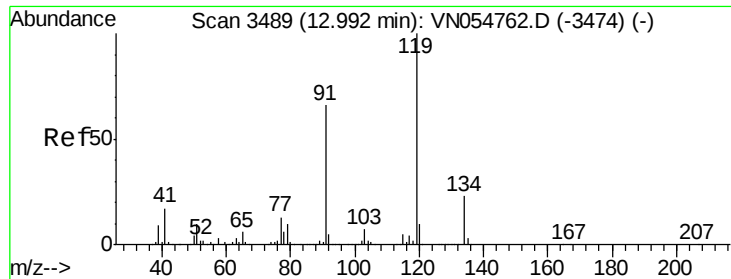
Tot Ion: 75 Resp: 21098
Ion Ratio Lower Upper
75 100
53 119.2 76.2 114.2#
89 44.2 39.2 58.8



#82
4-Chlorotoluene
Concen: 20.555 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Tgt Ion: 91 Resp: 270463
Ion Ratio Lower Upper
91 100
126 33.7 18.1 54.1

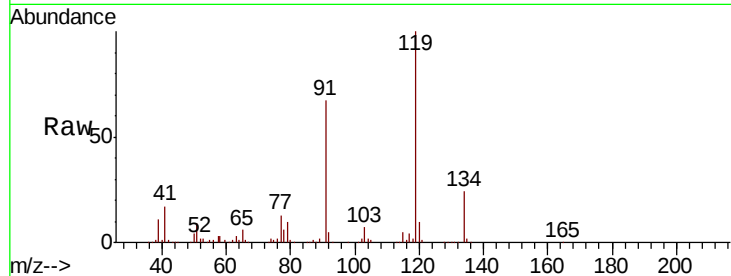




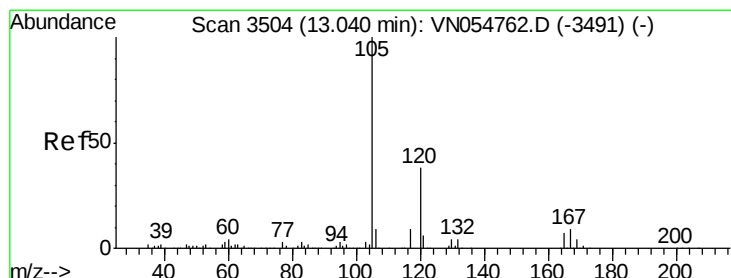
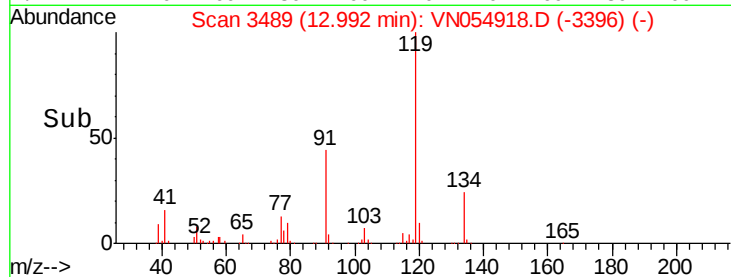
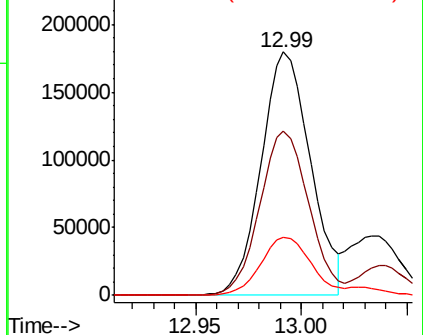
#83
tert-Butylbenzene
Concen: 21.987 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.1	30.9	92.8
134	24.4	13.2	39.6

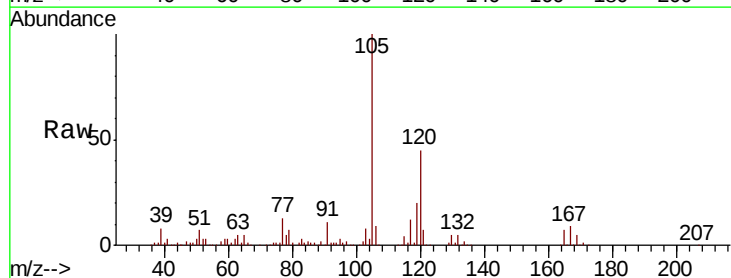


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

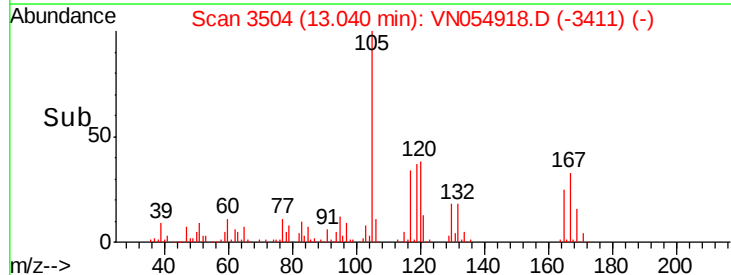
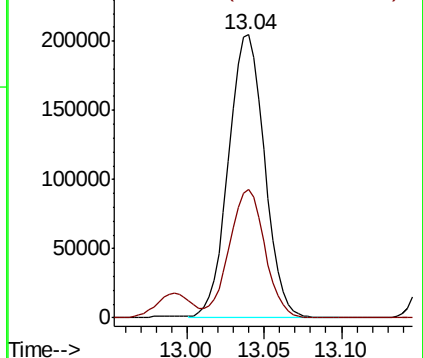


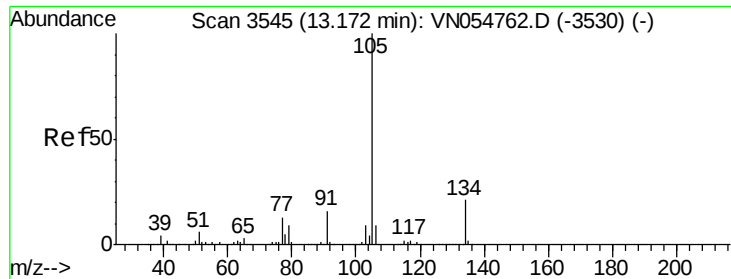
#84
1,2,4-Trimethylbenzene
Concen: 21.194 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054918.D
Acq: 3 Apr 2019 11:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	23.4	70.3



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





#85

sec-Butylbenzene

Concen: 20.838 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :

MSVOA_N

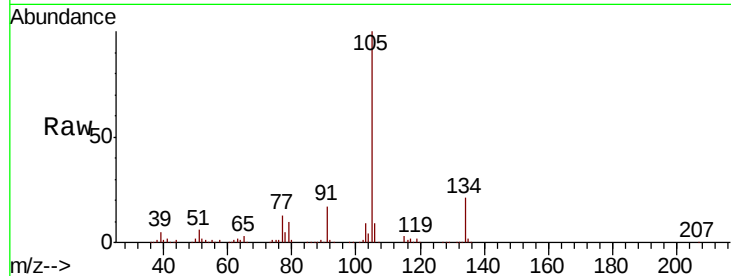
ClientSampled :

Tot Ion:105 Resp: 370049

Ion Ratio Lower Upper

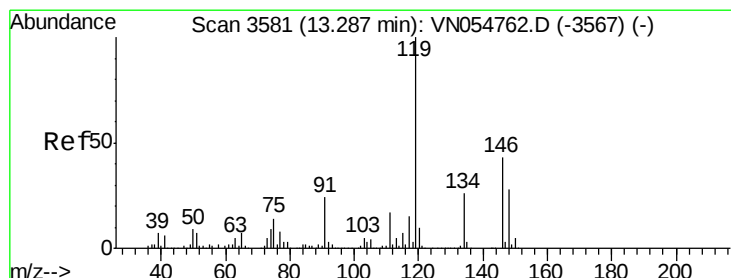
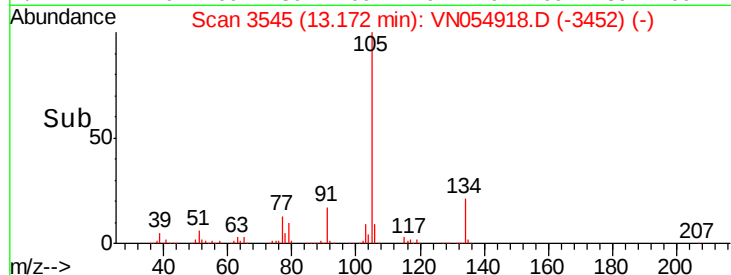
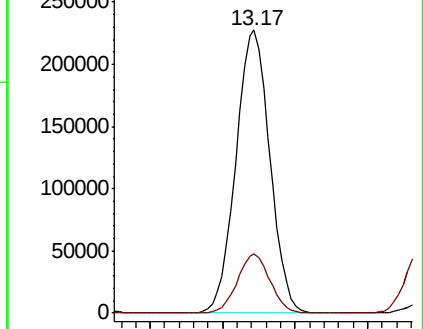
105 100

134 20.2 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.681 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

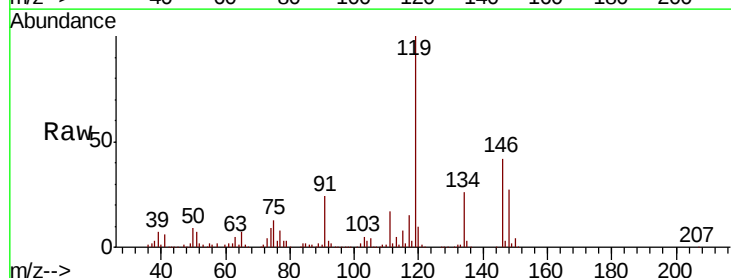
Tgt Ion:119 Resp: 323920

Ion Ratio Lower Upper

119 100

134 26.2 13.6 40.8

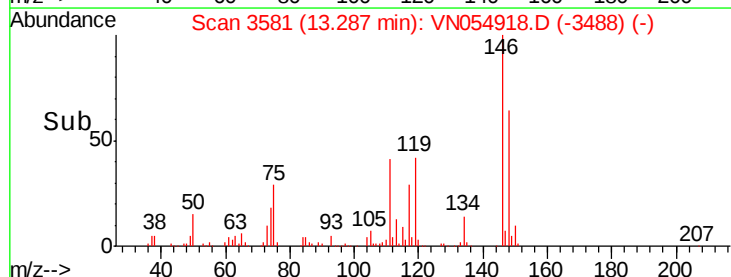
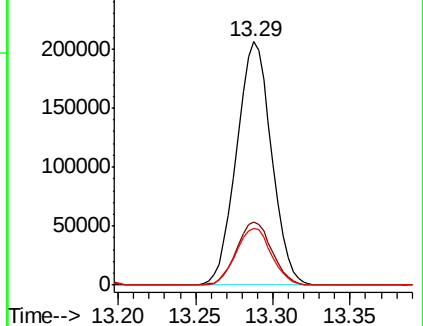
91 23.6 11.1 33.3

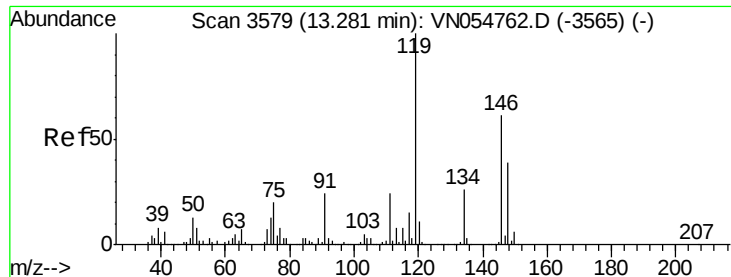


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.244 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

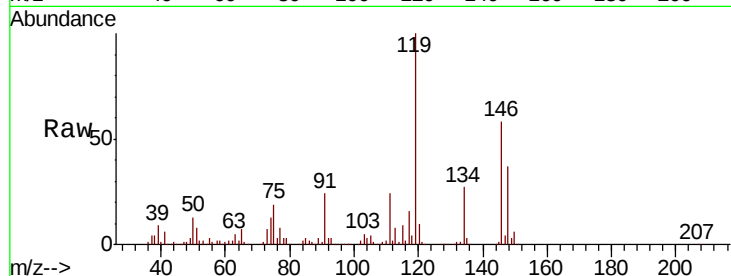
Tot Ion:146 Resp: 162971

Ion Ratio Lower Upper

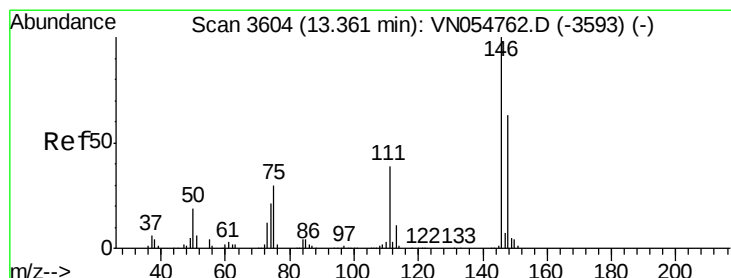
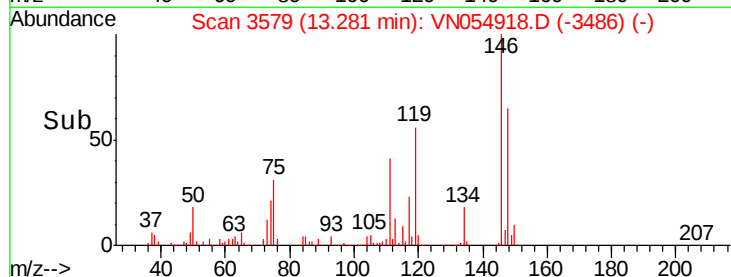
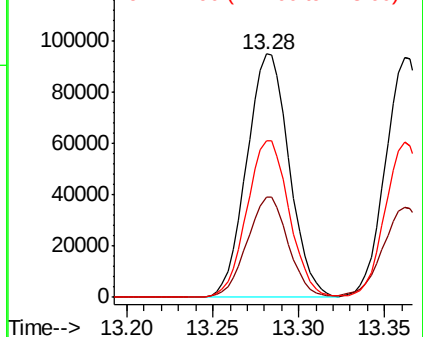
146 100

111 39.8 18.8 56.3

148 64.1 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.998 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

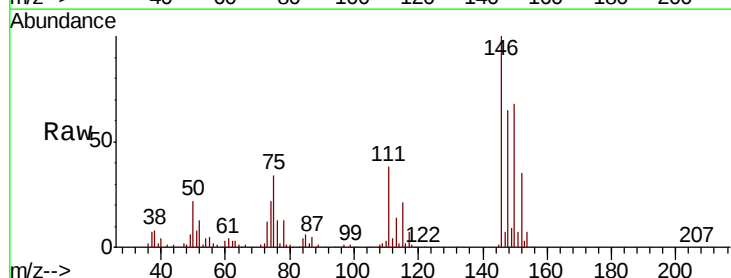
Tgt Ion:146 Resp: 157897

Ion Ratio Lower Upper

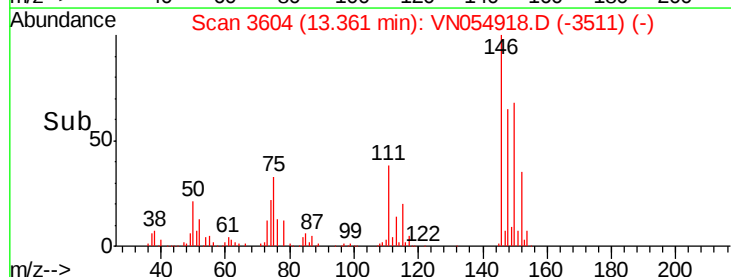
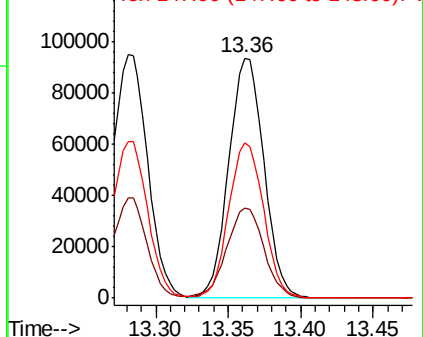
146 100

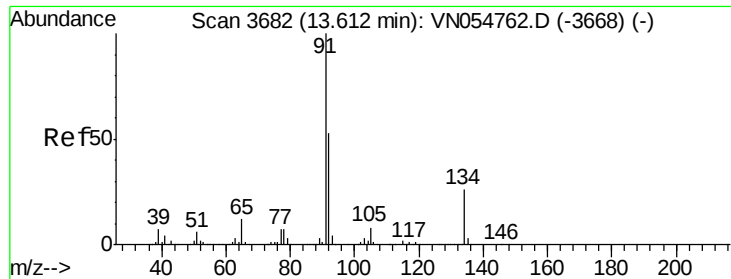
111 40.1 18.1 54.1

148 64.5 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 20.023 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

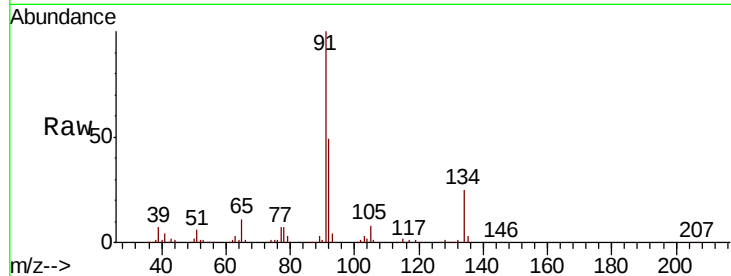
Tot Ion: 91 Resp: 255868

Ion Ratio Lower Upper

91 100

92 50.0 26.2 78.6

134 24.1 14.3 42.9

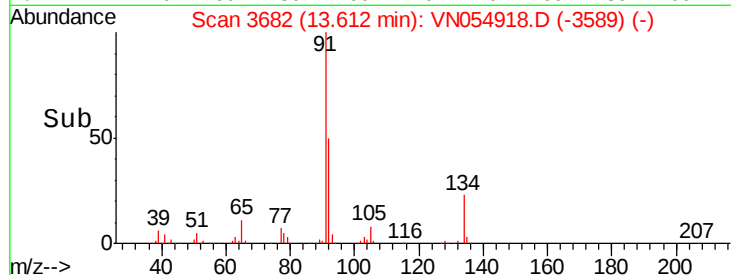


Abundance Ion 91.00 (90.70 to 91.70): VN054762.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN054762.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN054762.D (-3668) (-)

Time-->

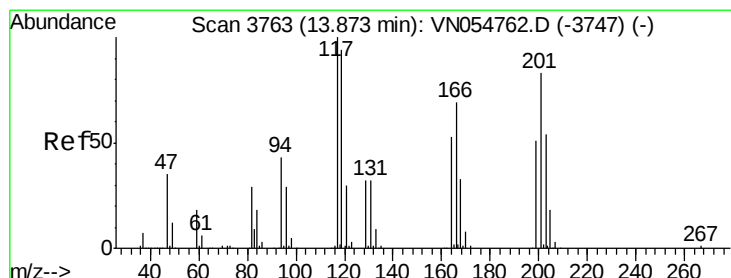


Abundance Ion 91.00 (90.70 to 91.70): VN054918.D (-3589) (-)

Ion 92.00 (91.70 to 92.70): VN054918.D (-3589) (-)

Ion 134.00 (133.70 to 134.70): VN054918.D (-3589) (-)

Time-->



#90

Hexachloroethane

Concen: 19.641 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054918.D

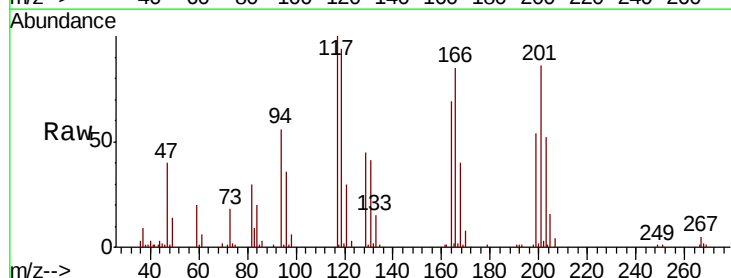
Acq: 3 Apr 2019 11:37

Tgt Ion: 117 Resp: 52232

Ion Ratio Lower Upper

117 100

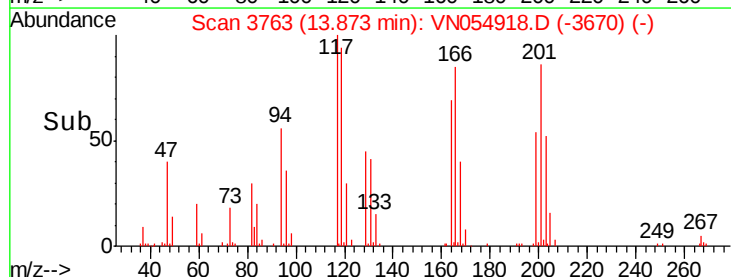
201 85.9 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054762.D (-3747) (-)

Ion 200.70 (200.40 to 201.40): VN054762.D (-3747) (-)

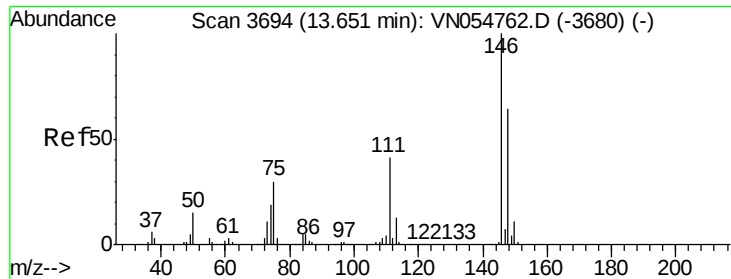
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN054918.D (-3670) (-)

Ion 200.70 (200.40 to 201.40): VN054918.D (-3670) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 20.384 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

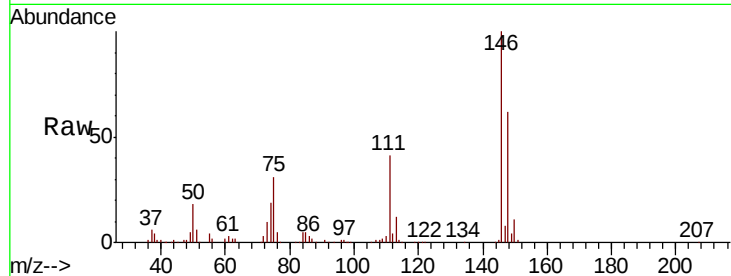
Tot Ion:146 Resp: 165610

Ion Ratio Lower Upper

146 100

111 40.4 19.1 57.3

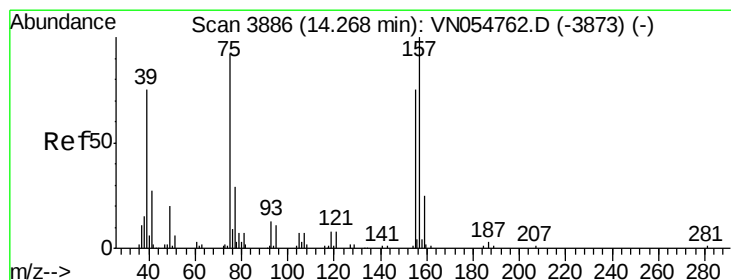
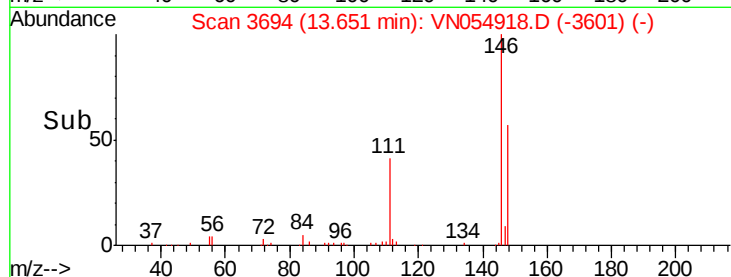
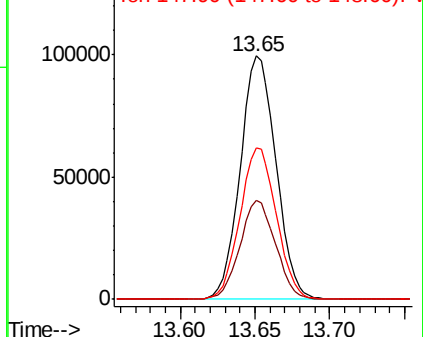
148 63.4 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.419 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

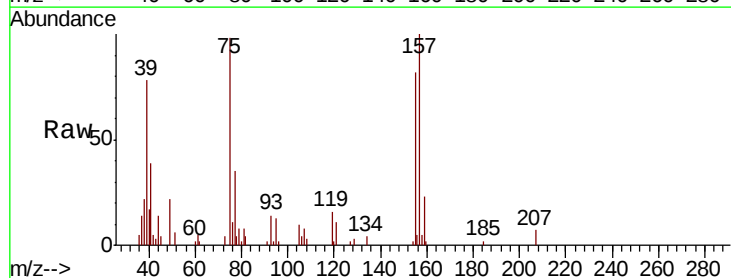
Tgt Ion: 75 Resp: 14588

Ion Ratio Lower Upper

75 100

155 80.8 50.1 150.3

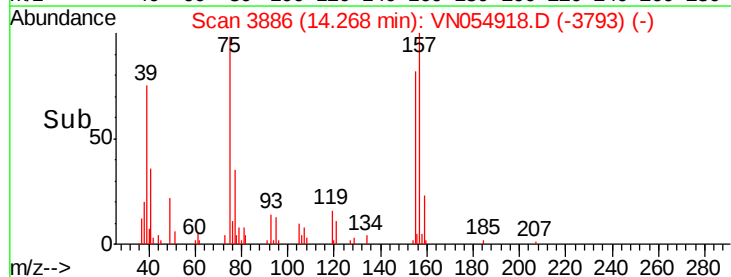
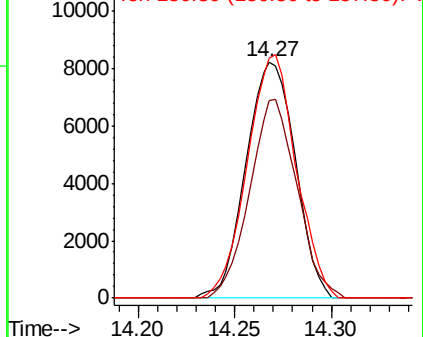
157 102.3 63.1 189.3

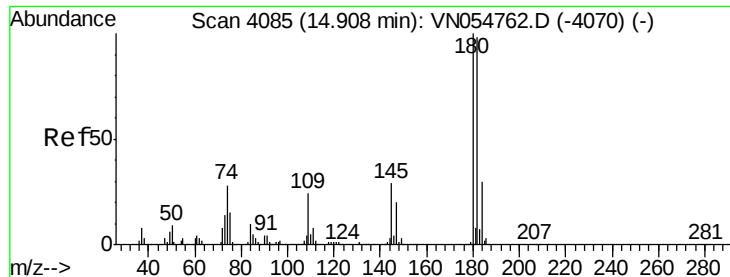


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

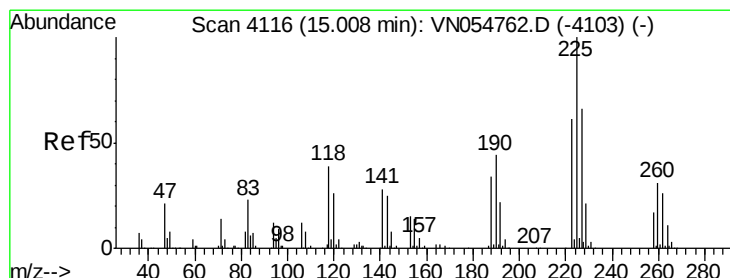
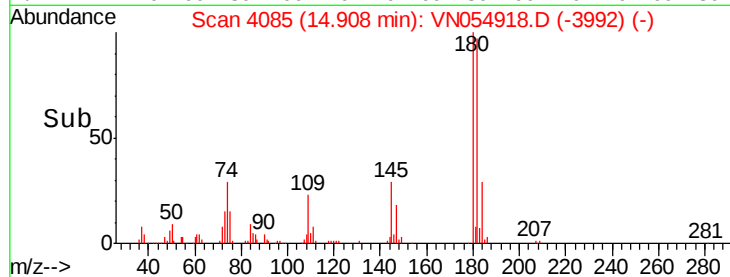
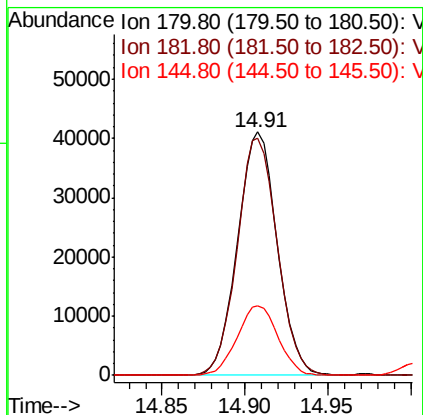
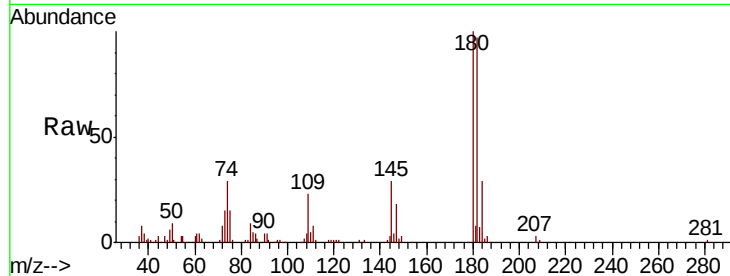




#93
 1,2,4-Trichlorobenzene
 Concen: 17.401 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054918.D
 Acq: 3 Apr 2019 11:37

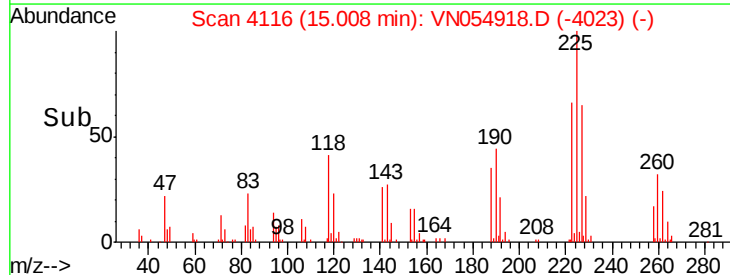
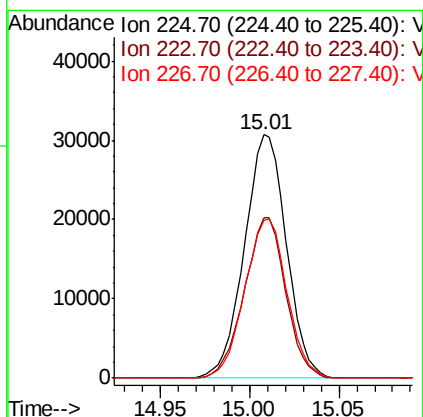
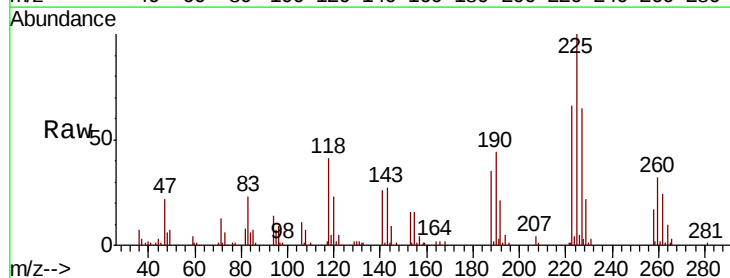
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 68158
 Ion Ratio Lower Upper
 180 100
 182 98.5 48.0 144.2
 145 29.4 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 20.482 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054918.D
 Acq: 3 Apr 2019 11:37

Tgt Ion:225 Resp: 50393
 Ion Ratio Lower Upper
 225 100
 223 64.8 31.1 93.5
 227 65.6 31.9 95.9





#95

Naphthalene

Concen: 17.871 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

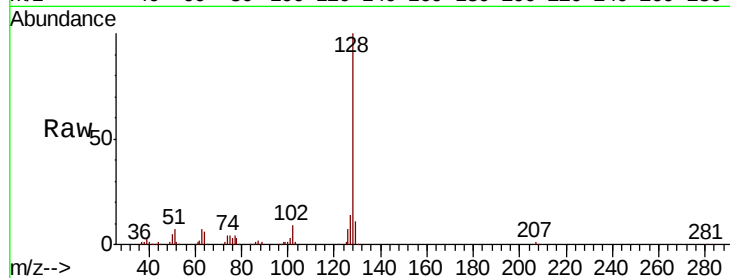
Instrument :

MSVOA_N

ClientSampled :

Tot Ion:128 Resp: 156990

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.1	15.1
129	11.0	8.7	13.1

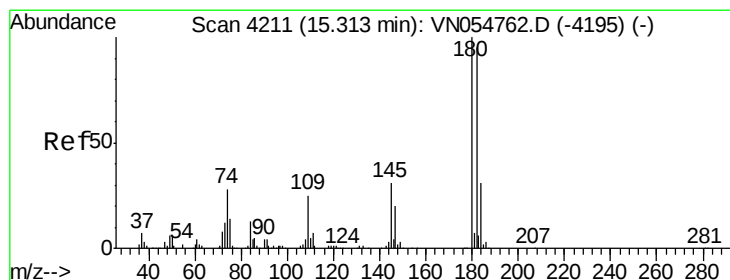
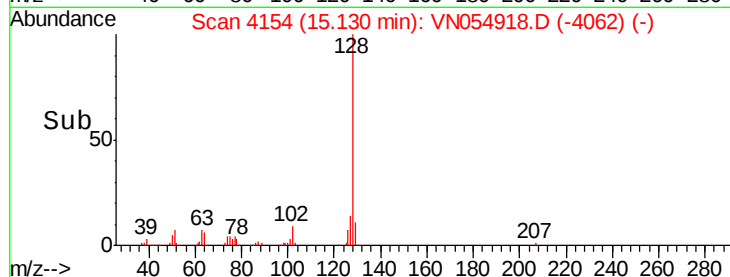
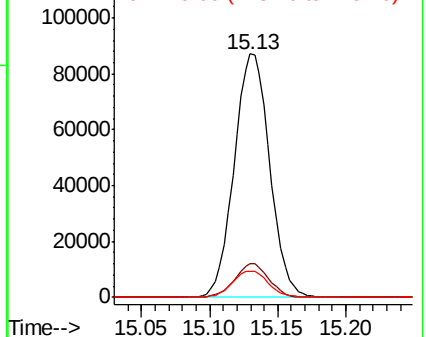


Abundance

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



#96

1,2,3-Trichlorobenzene

Concen: 18.442 ug/l

RT: 15.31 min Scan# 4211

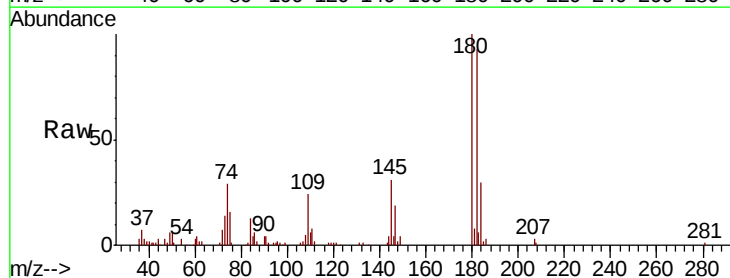
Delta R.T. 0.00 min

Lab File: VN054918.D

Acq: 3 Apr 2019 11:37

Tgt Ion:180 Resp: 72952

Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.5	142.6
145	30.3	14.8	44.3



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

