

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080519\
 Data File : VN057088.D
 Acq On : 5 Aug 2019 17:34
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 06 01:12:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	451473	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	651961	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	587765	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	246971	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	240638	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
35) Dibromofluoromethane	7.58	113	220721	52.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.76%	
50) Toluene-d8	10.08	98	819949	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	
62) 4-Bromofluorobenzene	12.40	95	274811	53.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	223499	48.969	ug/l	97
3) Chloromethane	2.05	50	237864	43.522	ug/l	100
4) Vinyl Chloride	2.18	62	229518	44.787	ug/l	100
5) Bromomethane	2.54	94	132776	41.676	ug/l	98
6) Chloroethane	2.69	64	126771	44.875	ug/l	100
7) Trichlorofluoromethane	3.00	101	336408	50.148	ug/l	100
8) Diethyl Ether	3.40	74	127321	50.713	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	198495	47.726	ug/l	98
10) Methyl Iodide	3.94	142	256298	46.118	ug/l	98
11) Tert butyl alcohol	4.77	59	156564	250.633	ug/l	97
12) 1,1-Dichloroethene	3.72	96	190685	48.051	ug/l	99
13) Acrolein	3.59	56	63945	199.041	ug/l	97
14) Allyl chloride	4.31	41	309518	47.948	ug/l	97
15) Acrylonitrile	4.97	53	475729	259.693	ug/l	99
16) Acetone	3.81	43	379242	226.514	ug/l	100
17) Carbon Disulfide	4.04	76	434766	41.230	ug/l	100
18) Methyl Acetate	4.31	43	264474	49.518	ug/l	100
19) Methyl tert-butyl Ether	5.03	73	624252	52.756	ug/l	96
20) Methylene Chloride	4.54	84	226750	47.017	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	199298	47.287	ug/l	98
22) Diisopropyl ether	5.94	45	657803	49.458	ug/l	97
23) Vinyl Acetate	5.88	43	2335063	253.390	ug/l	98
24) 1,1-Dichloroethane	5.83	63	385954	49.183	ug/l	100
25) 2-Butanone	6.82	43	582083	245.181	ug/l	97
26) 2,2-Dichloropropane	6.81	77	301097	50.461	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	245521	49.253	ug/l	99
28) Bromochloromethane	7.18	49	176227	47.776	ug/l	98
29) Tetrahydrofuran	7.20	42	380728	245.794	ug/l	99
30) Chloroform	7.36	83	395955	49.350	ug/l	100
31) Cyclohexane	7.64	56	326931	43.053	ug/l	97
32) 1,1,1-Trichloroethane	7.56	97	332622	51.958	ug/l	98
36) 1,1-Dichloropropene	7.78	75	278858	48.609	ug/l	99
37) Ethyl Acetate	6.92	43	234606	51.060	ug/l	98
38) Carbon Tetrachloride	7.76	117	289301	53.313	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	336358	45.874	ug/l	100
40) Benzene	8.03	78	873187	49.418	ug/l	100
41) Methacrylonitrile	7.16	41	112627	53.024	ug/l	92
42) 1,2-Dichloroethane	8.11	62	289598	52.295	ug/l	98
43) Isopropyl Acetate	8.16	43	424050	55.839	ug/l #	89
44) Trichloroethene	8.83	130	244940	50.317	ug/l	99
45) 1,2-Dichloropropane	9.11	63	235927	49.919	ug/l	99
46) Dibromomethane	9.20	93	151015	52.983	ug/l	98
47) Bromodichloromethane	9.39	83	302639	54.005	ug/l	99
48) Methyl methacrylate	9.19	41	193843	52.869	ug/l	99
49) 1,4-Dioxane	9.19	88	79386	1050.663	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1170056	259.310	ug/l	100
52) Toluene	10.15	92	545063	51.343	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	315057	54.178	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	360742	53.353	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	220005	51.676	ug/l	98
56) Ethyl methacrylate	10.42	69	316693	49.283	ug/l	99
57) 1,3-Dichloropropane	10.70	76	363852	51.539	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	506675	198.600	ug/l	98
59) 2-Hexanone	10.74	43	830388	239.083	ug/l	100
60) Dibromochloromethane	10.90	129	247172	56.668	ug/l	99
61) 1,2-Dibromoethane	11.00	107	225030	54.162	ug/l	99
64) Tetrachloroethene	10.63	164	252376	49.827	ug/l	98
65) Chlorobenzene	11.43	112	605254	50.524	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	238211	52.832	ug/l	99
67) Ethyl Benzene	11.51	91	1042194	50.337	ug/l	99
68) m/p-Xylenes	11.62	106	782175	102.365	ug/l	100
69) o-Xylene	11.94	106	386404	51.689	ug/l	99
70) Styrene	11.96	104	639731	48.475	ug/l	100
71) Bromoform	12.12	173	177264	56.311	ug/l #	99
73) Isopropylbenzene	12.25	105	1033203	48.406	ug/l	100
74) N-amyl acetate	12.07	43	313940	50.655	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	288253	53.614	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	352053	70.192	ug/l #	100
77) Bromobenzene	12.52	156	277216	49.763	ug/l	97
78) n-propylbenzene	12.59	91	1114111	48.886	ug/l	99
79) 2-Chlorotoluene	12.67	91	670810	47.802	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	865150	49.386	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	84511	54.138	ug/l	100
82) 4-Chlorotoluene	12.77	91	647625	49.314	ug/l	99
83) tert-Butylbenzene	12.99	119	771895	49.775	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	850205	50.440	ug/l	100
85) sec-Butylbenzene	13.17	105	971640	48.575	ug/l	99
86) p-Isopropyltoluene	13.29	119	889764	50.102	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	423605	49.990	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	401604	49.231	ug/l	100
89) n-Butylbenzene	13.61	91	666914	48.726	ug/l	99
90) Hexachloroethane	13.87	117	157353	51.457	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	417449	50.055	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	45556	53.662	ug/l	96

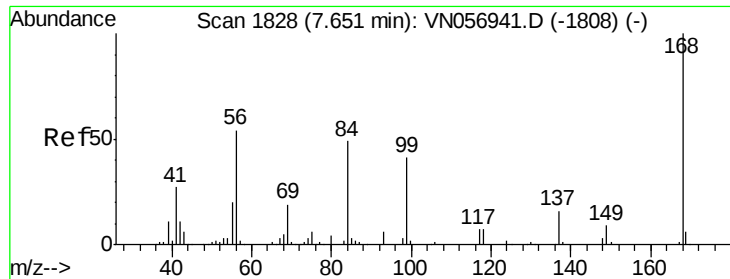
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	171018	40.306	ug/l	99
94) Hexachlorobutadiene	15.00	225	158996	54.904	ug/l	98
95) Naphthalene	15.12	128	445521	42.998	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	196140	45.315	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Instrument :

MSVOA_N

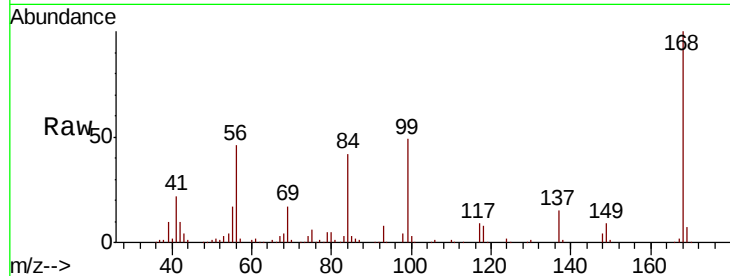
ClientSampled :

Tot Ion:168 Resp: 451473

Ion Ratio Lower Upper

168 100

99 49.3 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

200000

150000

100000

50000

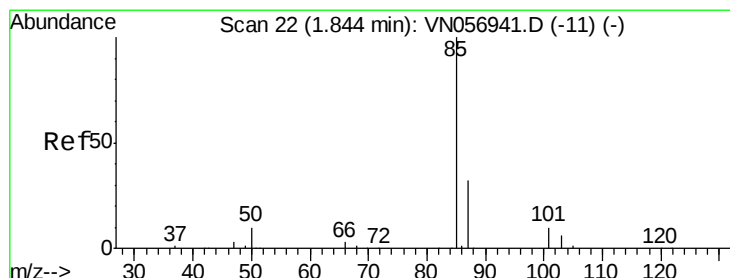
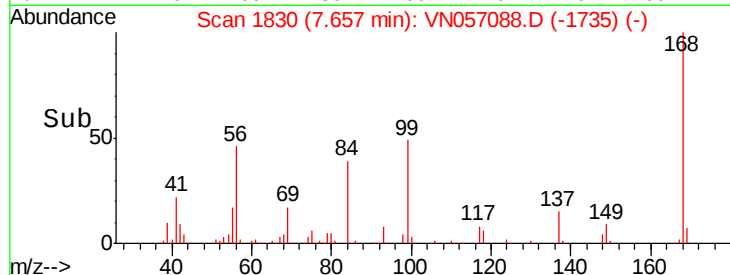
0

7.66

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 48.969 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057088.D

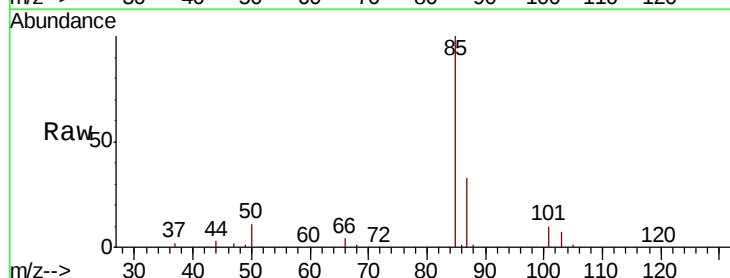
Acq: 5 Aug 2019 17:34

Tgt Ion: 85 Resp: 223499

Ion Ratio Lower Upper

85 100

87 33.0 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

150000

100000

50000

0

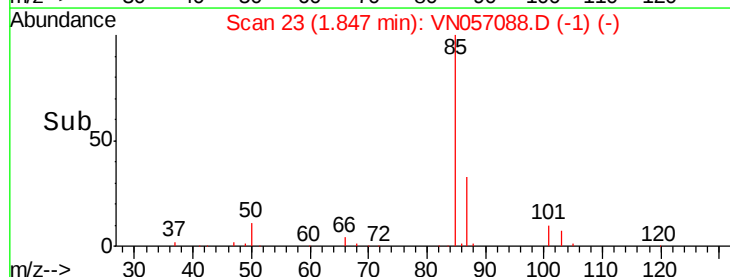
1.85

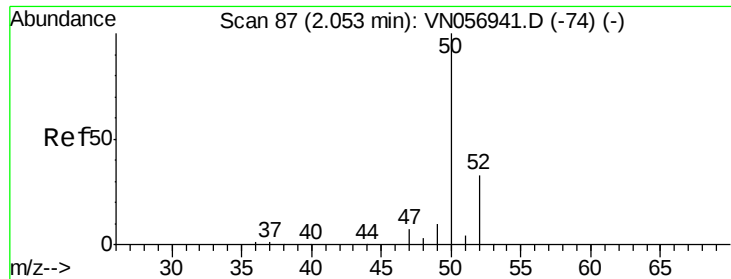
1.80

1.90

1.95

Time-->





#3

Chloromethane

Concen: 43.522 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Instrument :

MSVOA_N

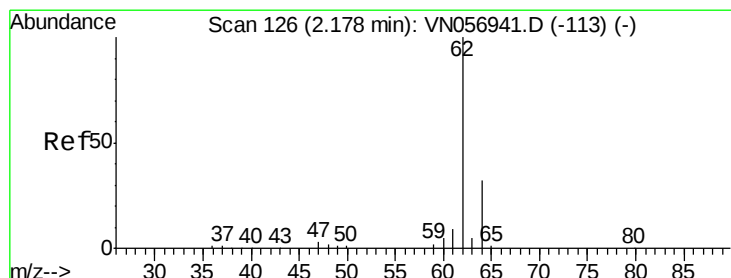
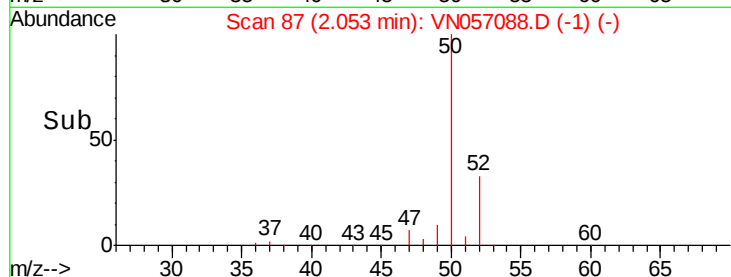
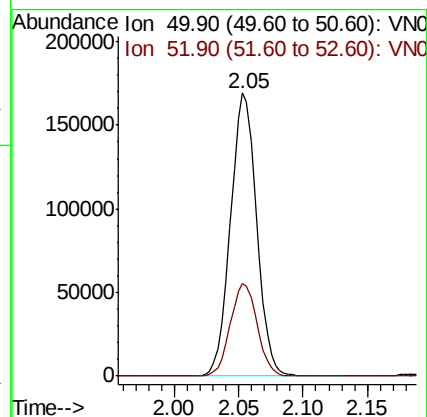
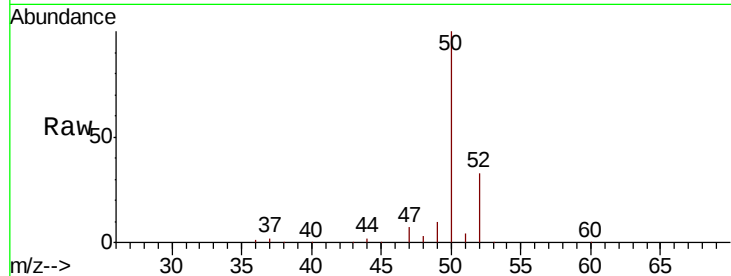
ClientSampleId :

Tot Ion: 50 Resp: 237864

Ion Ratio Lower Upper

50 100

52 32.8 26.2 39.2



#4

Vinyl Chloride

Concen: 44.787 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057088.D

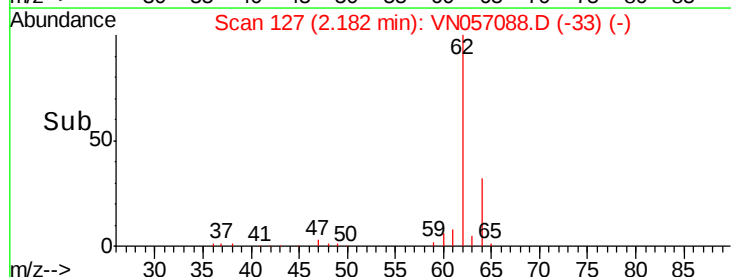
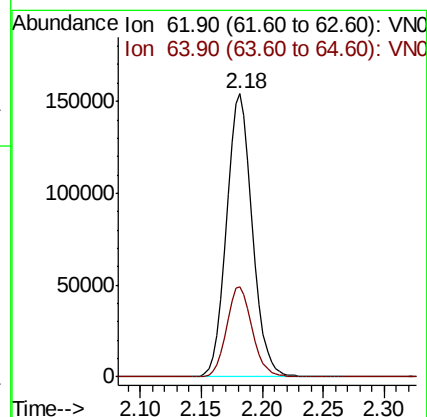
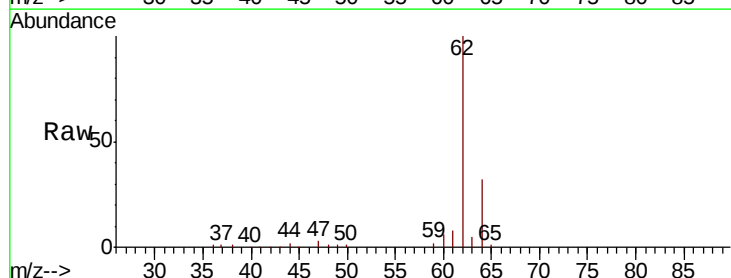
Acq: 5 Aug 2019 17:34

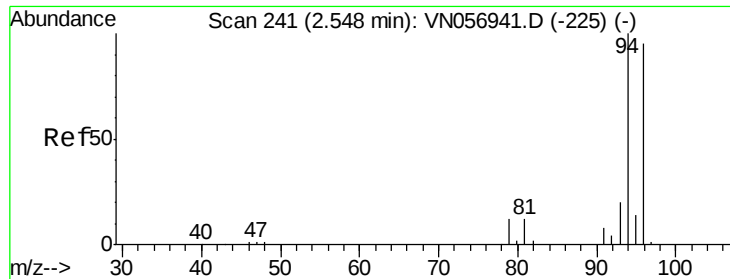
Tgt Ion: 62 Resp: 229518

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.0





#5

Bromomethane

Concen: 41.676 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.01 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Instrument :

MSVOA_N

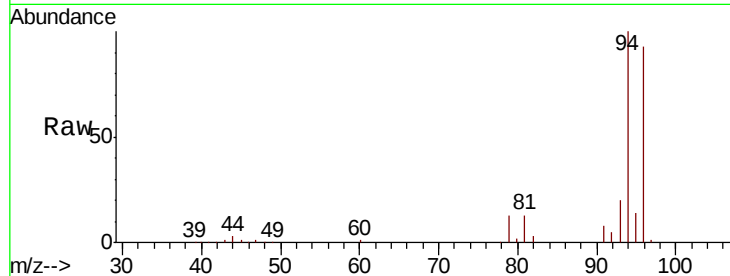
ClientSampleId :

Tot Ion: 94 Resp: 132776

Ion Ratio Lower Upper

94 100

96 93.4 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN056941.D (-225) (-)

Ion 95.90 (95.60 to 96.60): VN056941.D (-225) (-)

2.54

60000

40000

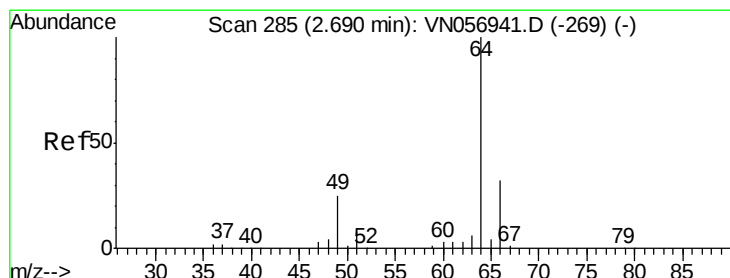
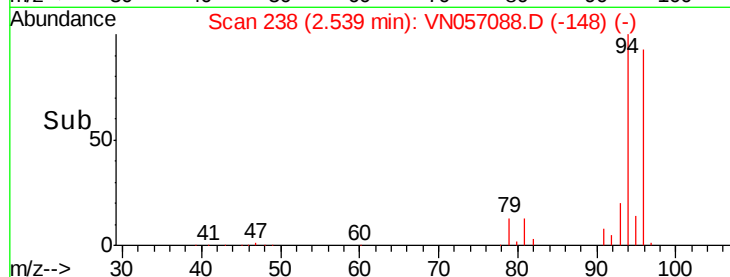
20000

0

Time-->

2.50

2.60



#6

Chloroethane

Concen: 44.875 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN057088.D

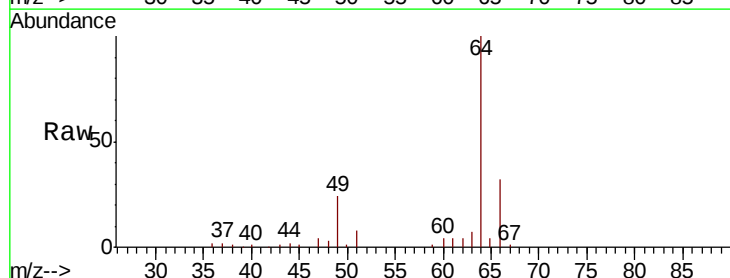
Acq: 5 Aug 2019 17:34

Tgt Ion: 64 Resp: 126771

Ion Ratio Lower Upper

64 100

66 32.4 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN056941.D (-269) (-)

Ion 65.90 (65.60 to 66.60): VN056941.D (-269) (-)

2.69

60000

40000

20000

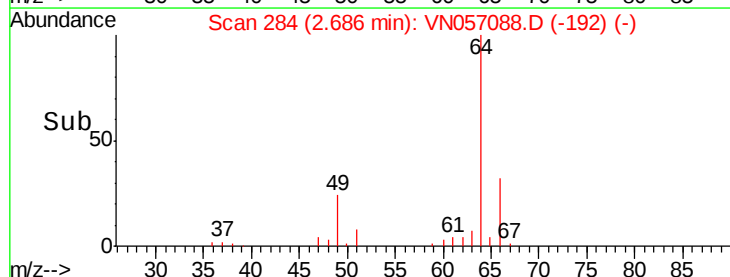
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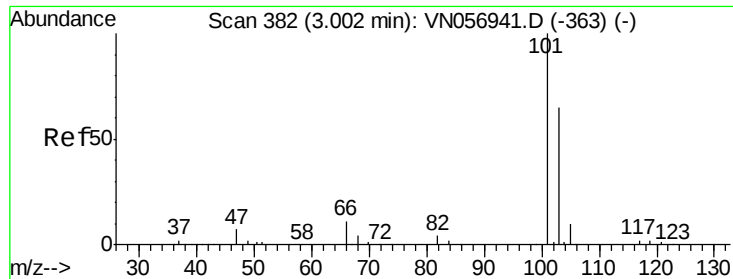
Time-->

2.60

2.70

2.80



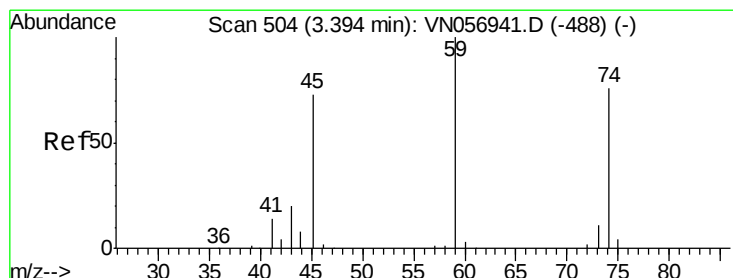
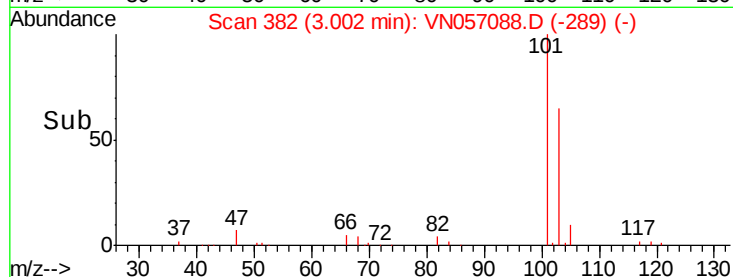
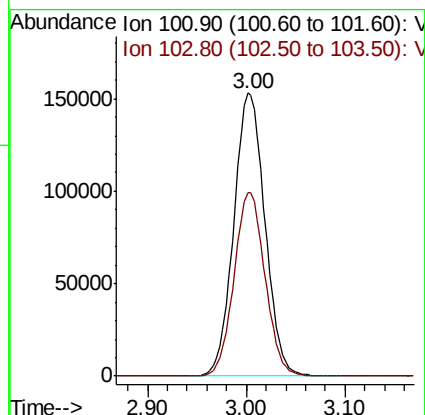
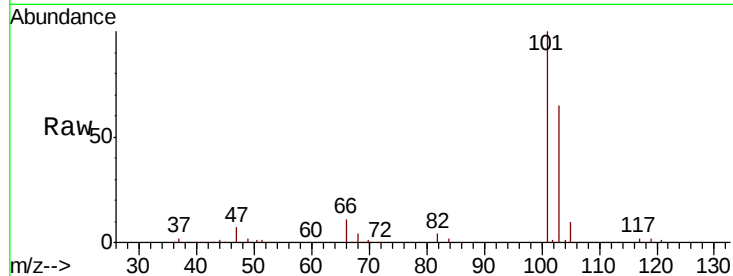


#7

Trichlorofluoromethane
Concen: 50.148 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.00 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Instrument :
MSVOA_N
ClientSampled :

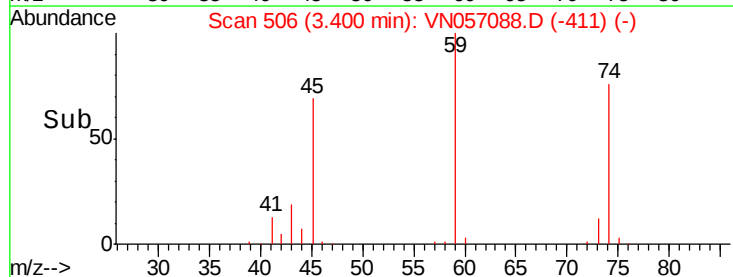
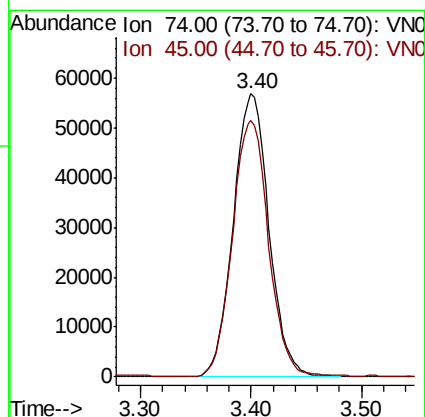
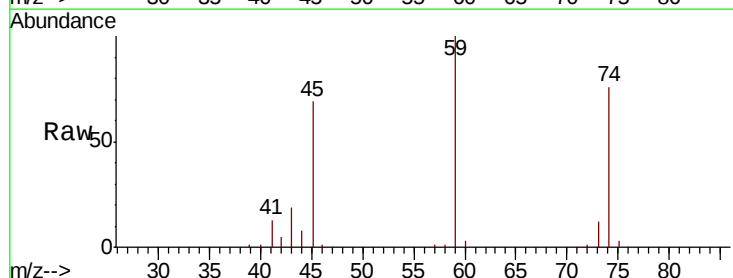
Tot Ion:101 Resp: 336408
Ion Ratio Lower Upper
101 100
103 64.9 52.1 78.1

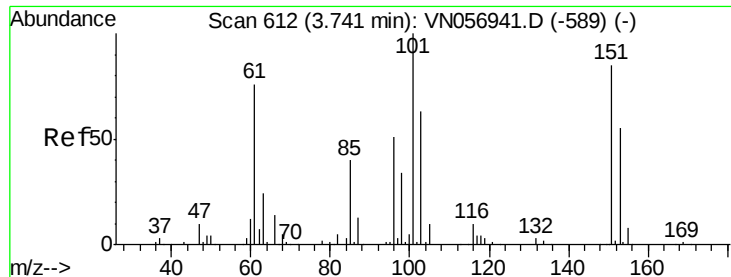


#8

Diethyl Ether
Concen: 50.713 ug/l
RT: 3.40 min Scan# 506
Delta R.T. 0.01 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Tgt Ion: 74 Resp: 127321
Ion Ratio Lower Upper
74 100
45 91.8 48.1 144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.726 ug/l

RT: 3.75 min Scan# 614

Delta R.T. 0.01 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Instrument :

MSVOA_N

ClientSampleId :

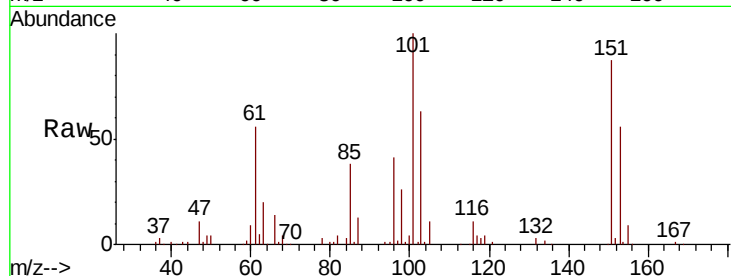
Tot Ion:101 Resp: 198495

Ion Ratio Lower Upper

101 100

85 40.8 32.3 48.5

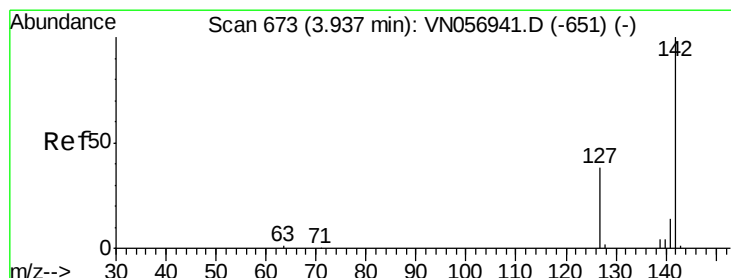
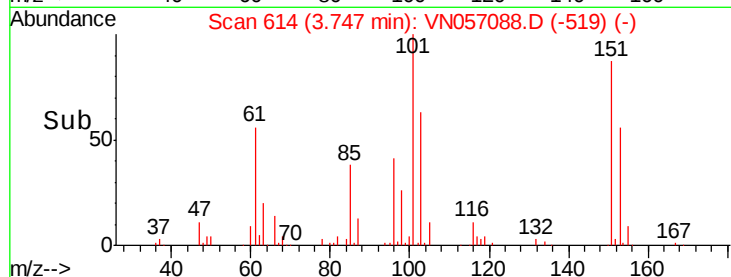
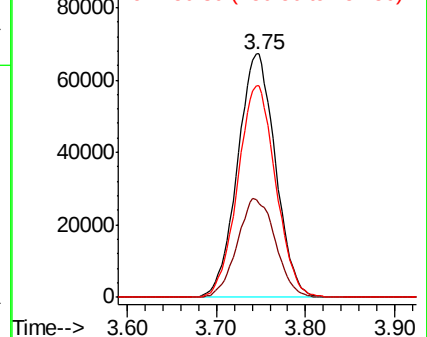
151 87.0 68.0 102.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.118 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

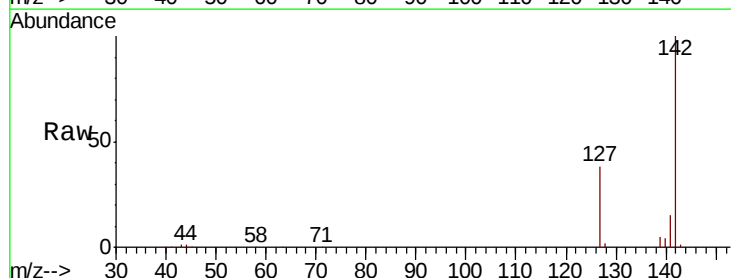
Tgt Ion:142 Resp: 256298

Ion Ratio Lower Upper

142 100

127 39.6 30.4 45.6

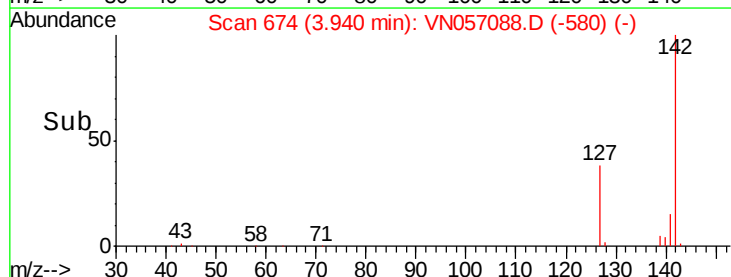
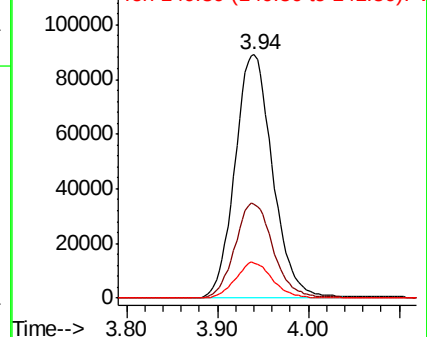
141 14.4 11.1 16.7

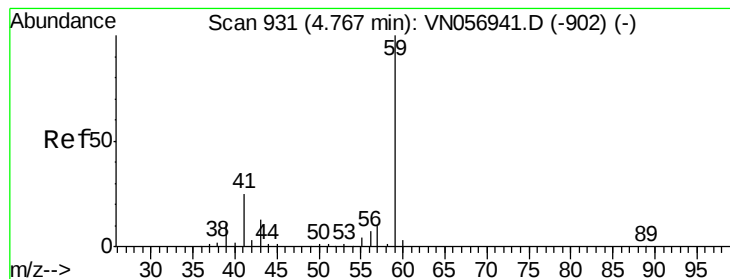


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



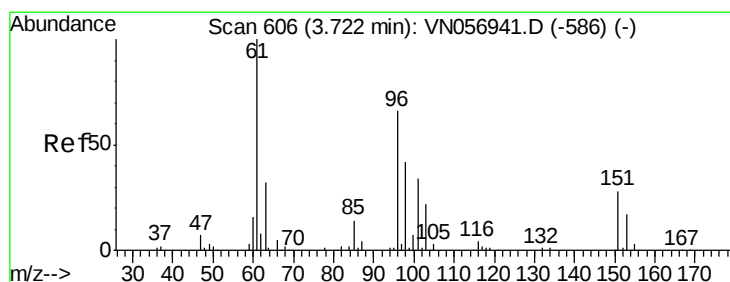
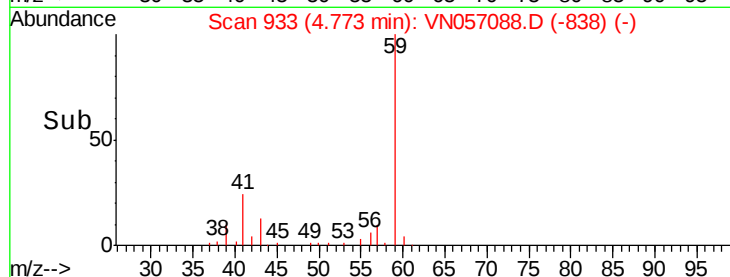
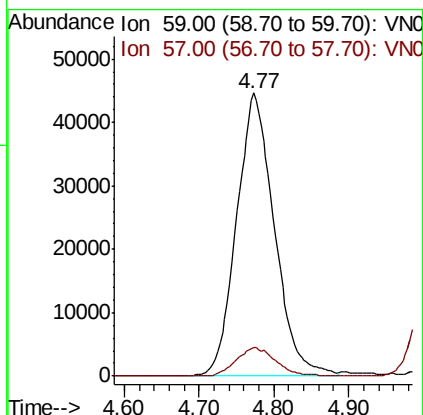
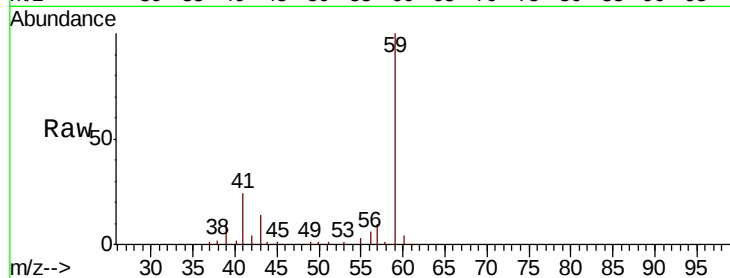


#11

Tert butyl alcohol
 Concen: 250.633 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. 0.01 min
 Lab File: VN057088.D
 Acq: 5 Aug 2019 17:34

Instrument :
 MSVOA_N
 ClientSampleId :

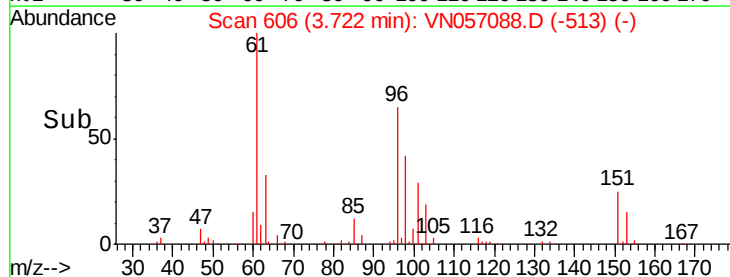
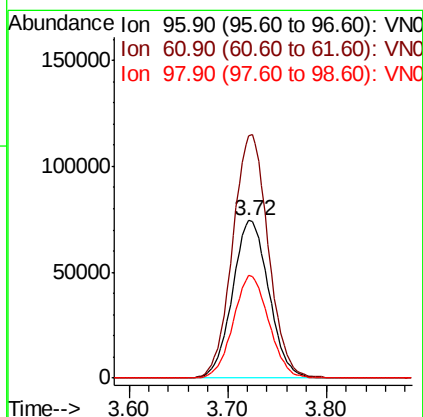
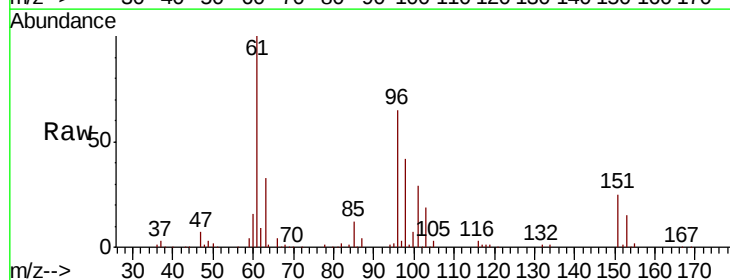
Tot Ion: 59 Resp: 156564
 Ion Ratio Lower Upper
 59 100
 57 10.4 7.5 11.3

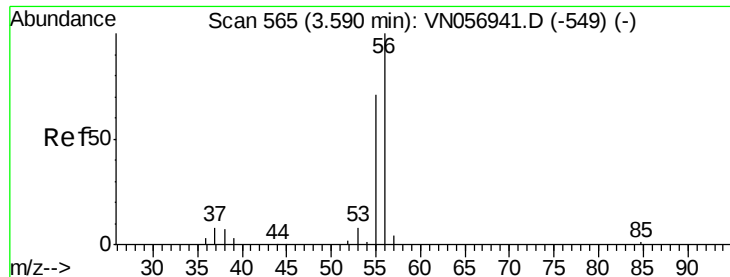


#12

1,1-Dichloroethene
 Concen: 48.051 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VN057088.D
 Acq: 5 Aug 2019 17:34

Tgt Ion: 96 Resp: 190685
 Ion Ratio Lower Upper
 96 100
 61 153.6 121.8 182.8
 98 65.0 51.7 77.5





#13

Acrolein

Concen: 199.041 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

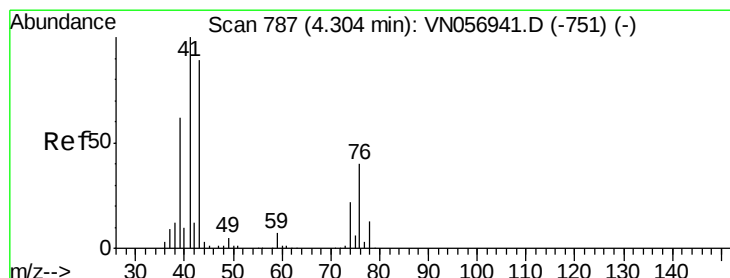
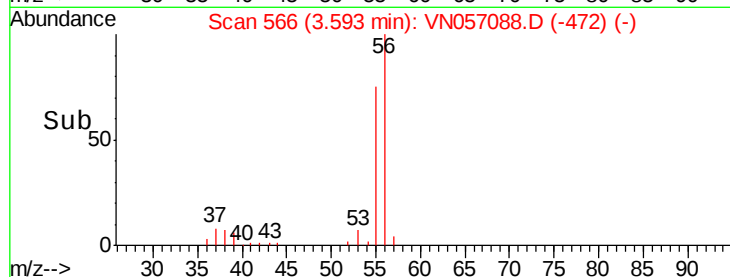
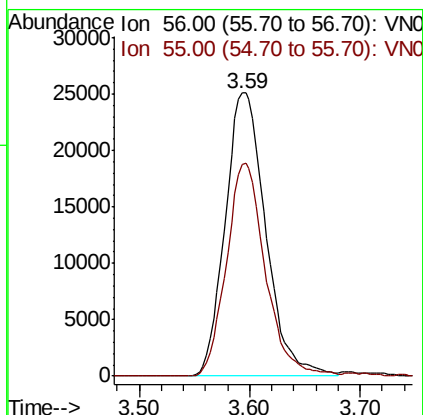
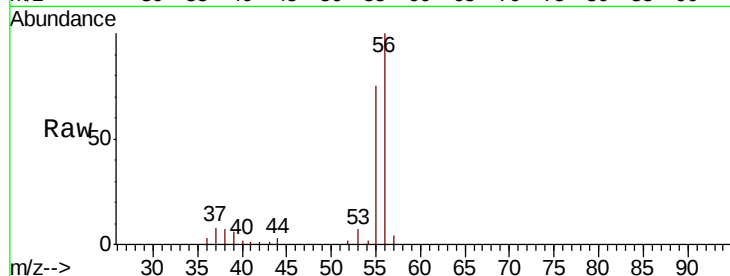
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 63945

Ion Ratio Lower Upper

56 100

55 72.2 55.8 83.6



#14

Allyl chloride

Concen: 47.948 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

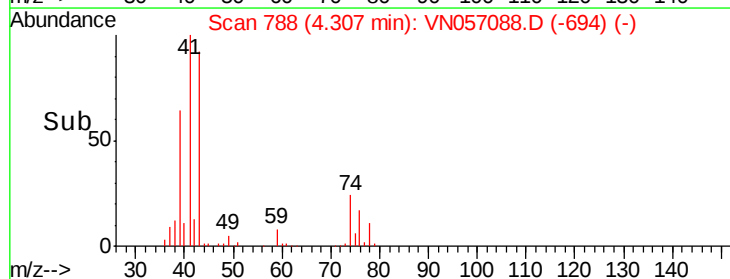
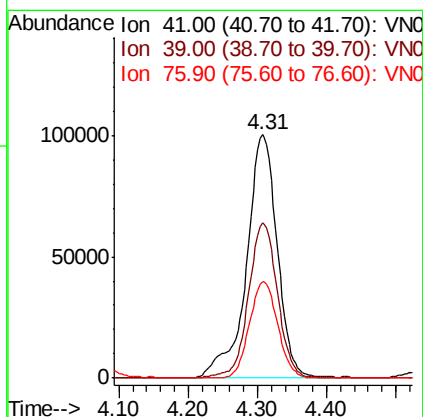
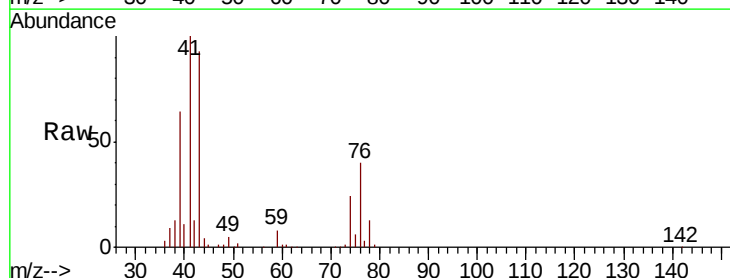
Tgt Ion: 41 Resp: 309518

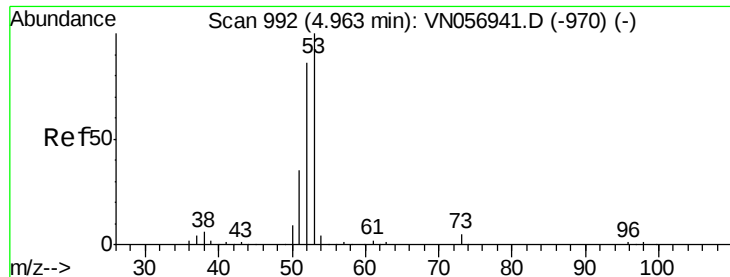
Ion Ratio Lower Upper

41 100

39 60.3 46.4 69.6

76 36.4 28.4 42.6





#15

Acrylonitrile

Concen: 259.693 ug/l

RT: 4.97 min Scan# 994

Delta R.T. 0.01 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

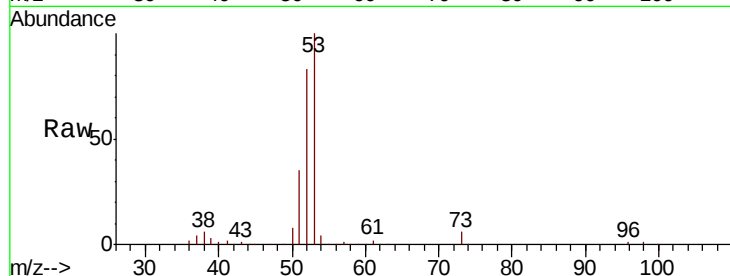
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 53 Resp: 475729

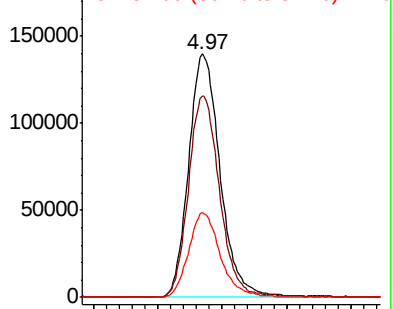
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.5	99.7
51	35.1	28.4	42.6



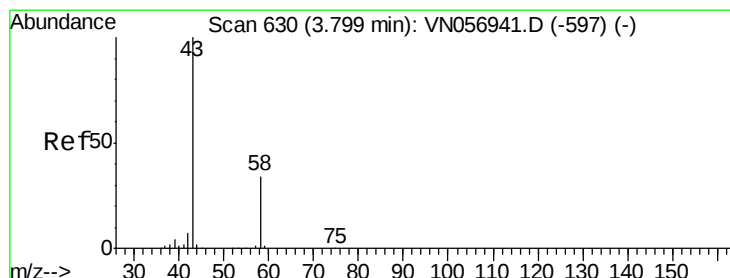
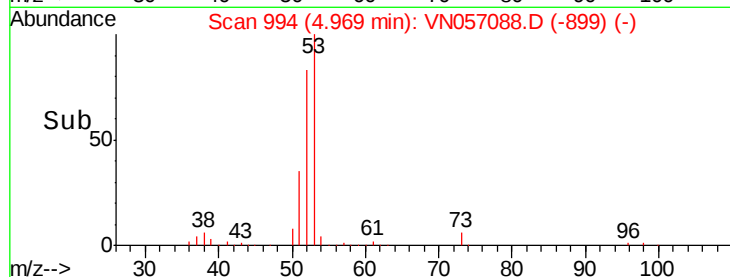
Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



Time-->



#16

Acetone

Concen: 226.514 ug/l

RT: 3.81 min Scan# 632

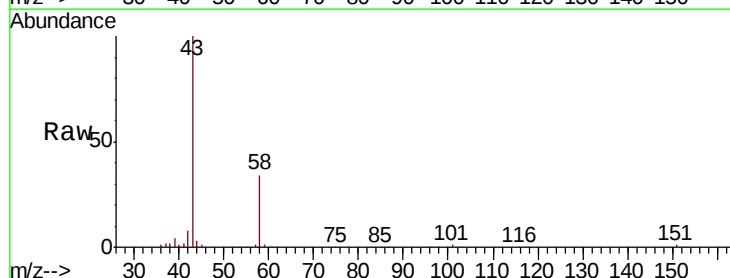
Delta R.T. 0.01 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

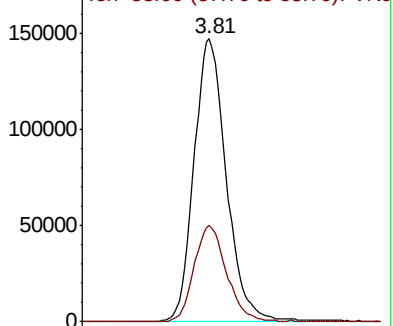
Tgt Ion: 43 Resp: 379242

Ion	Ratio	Lower	Upper
43	100		
58	34.0	27.2	40.8

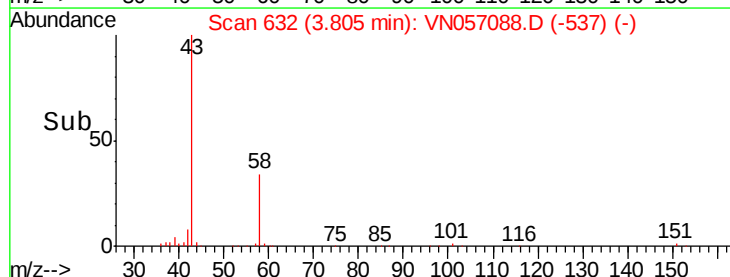


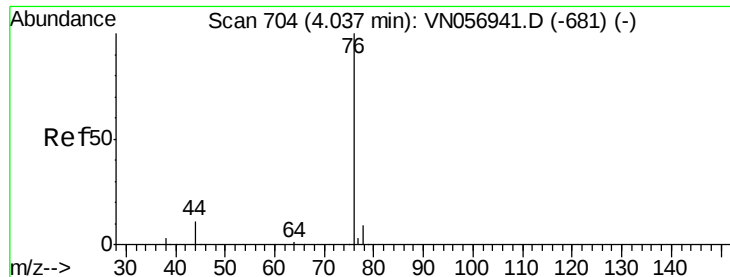
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->

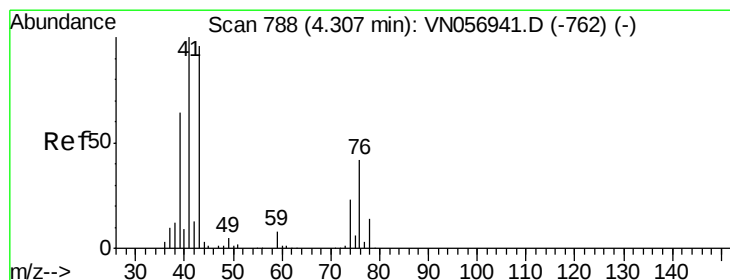
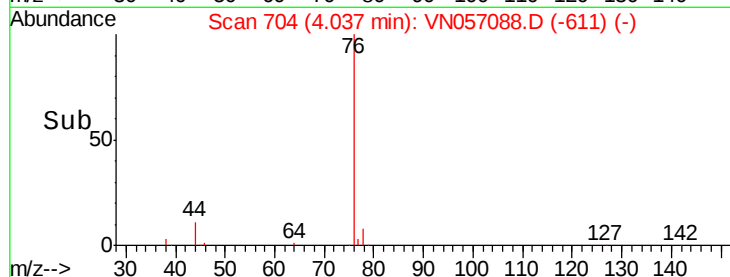
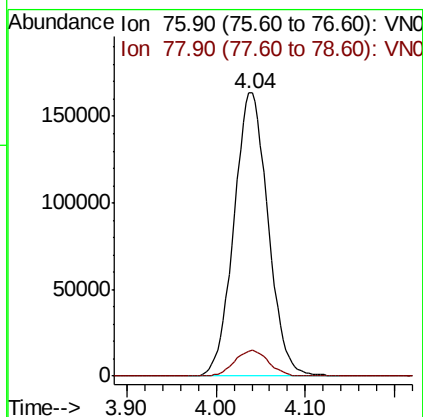
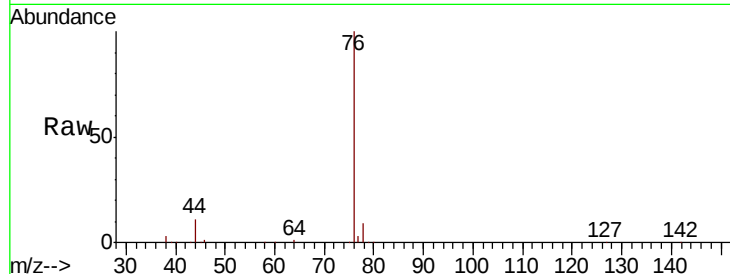




#17
Carbon Disulfide
Concen: 41.230 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

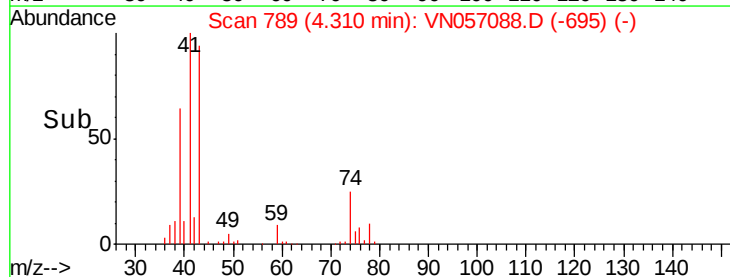
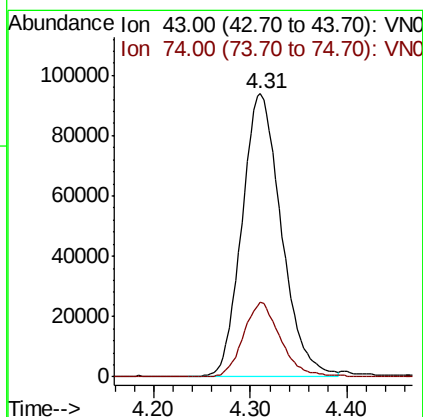
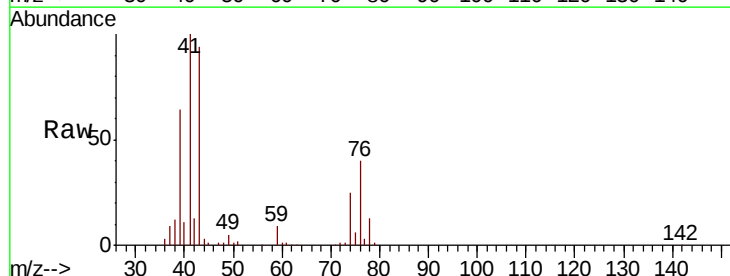
Instrument :
MSVOA_N
ClientSampleId :

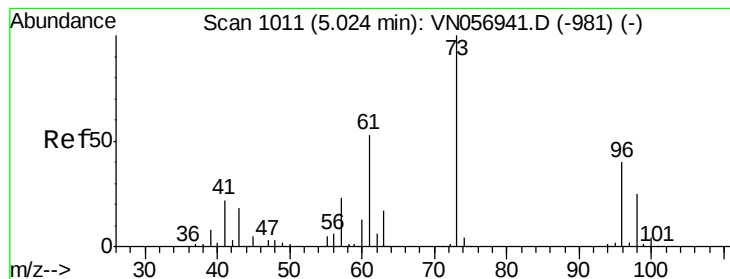
Tot Ion: 76 Resp: 434766
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8



#18
Methyl Acetate
Concen: 49.518 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Tgt Ion: 43 Resp: 264474
Ion Ratio Lower Upper
43 100
74 24.8 19.7 29.5



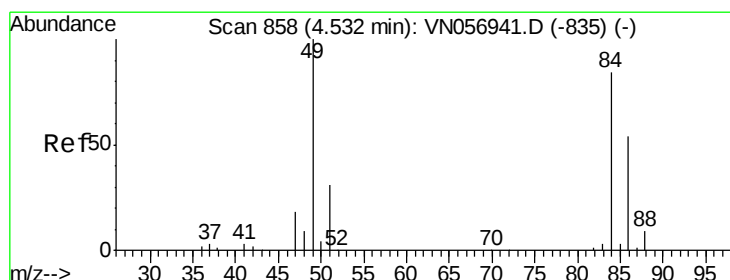
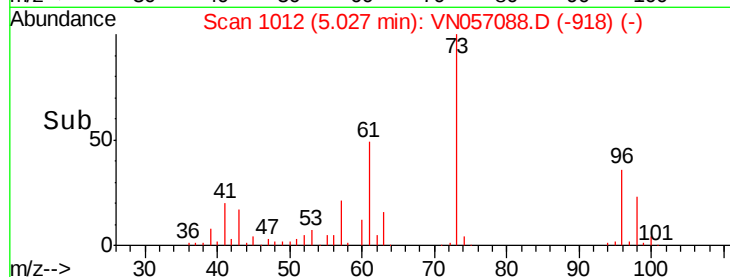
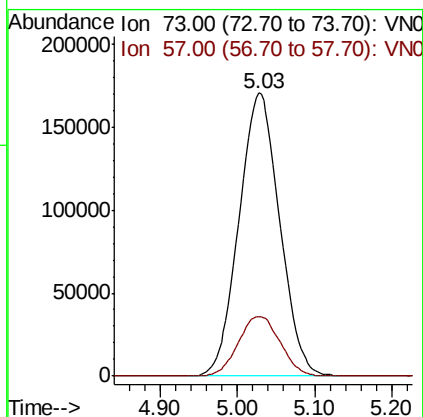
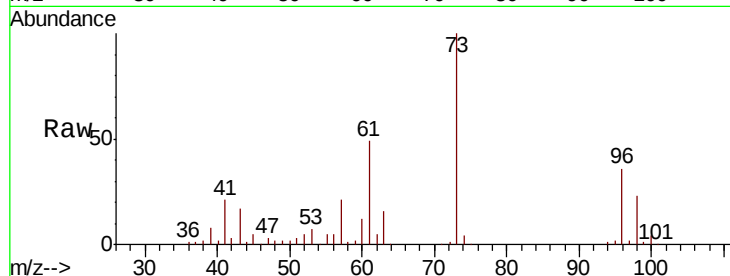


#19

Methyl tert-butyl Ether
 Concen: 52.756 ug/l
 RT: 5.03 min Scan# 1012
 Delta R.T. 0.00 min
 Lab File: VN057088.D
 Acq: 5 Aug 2019 17:34

Instrument :
 MSVOA_N
 ClientSampled :

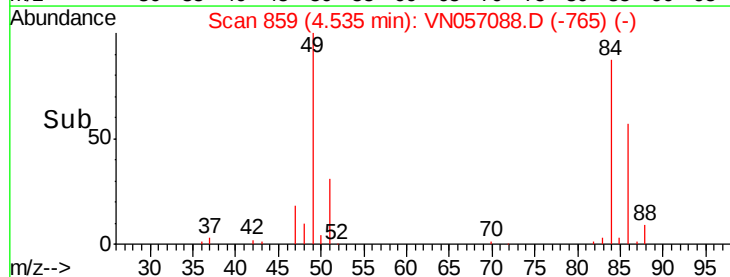
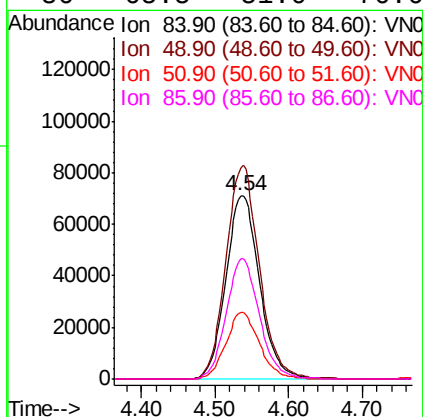
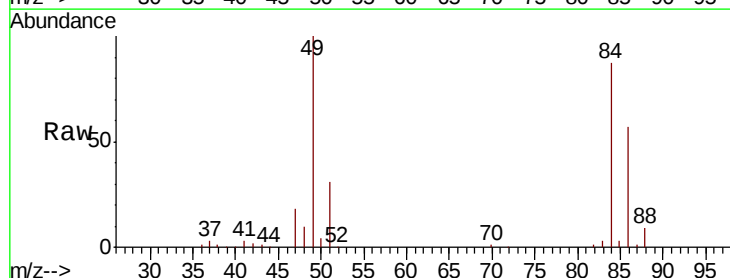
Tot Ion: 73 Resp: 624252
 Ion Ratio Lower Upper
 73 100
 57 21.1 18.3 27.5

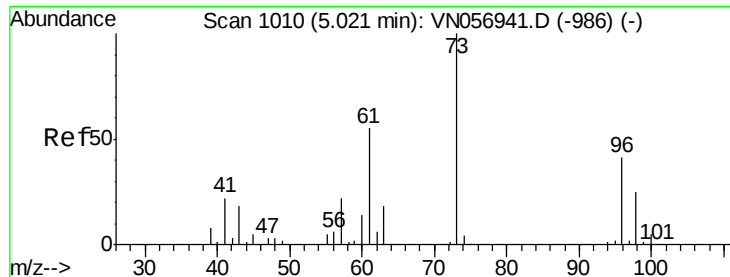


#20

Methylene Chloride
 Concen: 47.017 ug/l
 RT: 4.54 min Scan# 859
 Delta R.T. 0.00 min
 Lab File: VN057088.D
 Acq: 5 Aug 2019 17:34

Tgt Ion: 84 Resp: 226750
 Ion Ratio Lower Upper
 84 100
 49 114.9 95.2 142.8
 51 36.1 29.7 44.5
 86 65.5 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 47.287 ug/l

RT: 5.02 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Instrument :
MSVOA_N
ClientSampled :

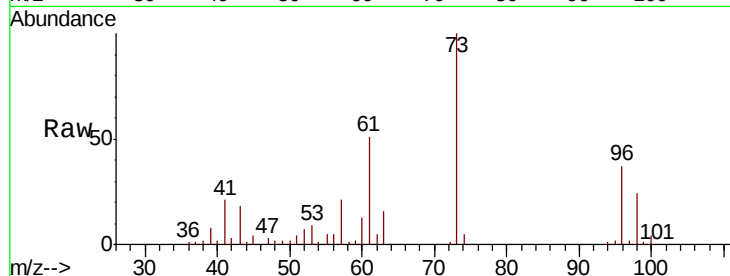
Tot Ion: 96 Resp: 199298

Ion Ratio Lower Upper

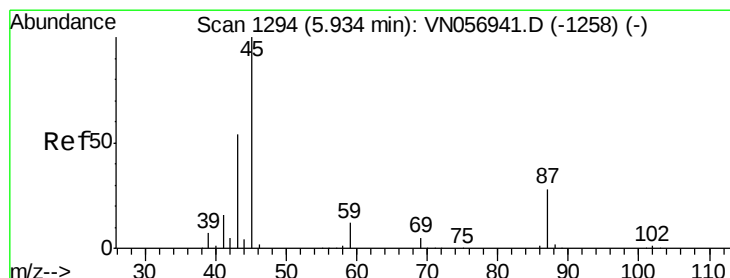
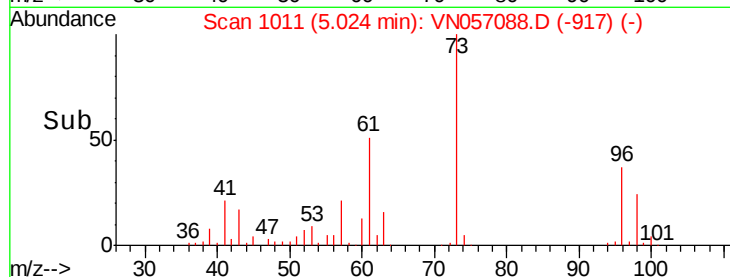
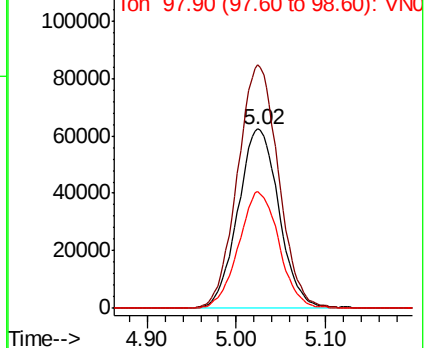
96 100

61 135.6 107.5 161.3

98 65.1 49.9 74.9



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



#22

Diisopropyl ether

Concen: 49.458 ug/l

RT: 5.94 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Tgt Ion: 45 Resp: 657803

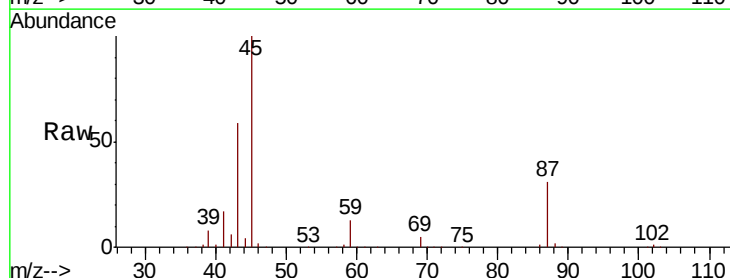
Ion Ratio Lower Upper

45 100

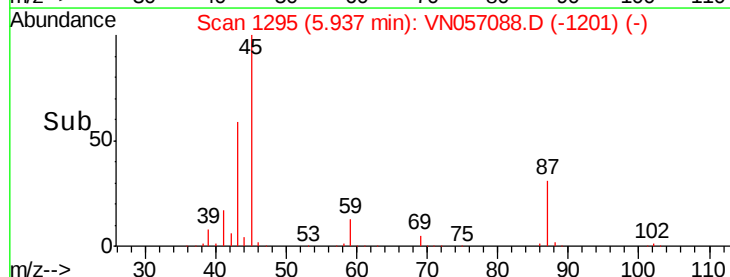
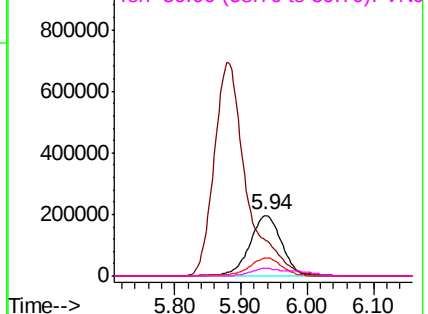
43 58.0 44.7 67.1

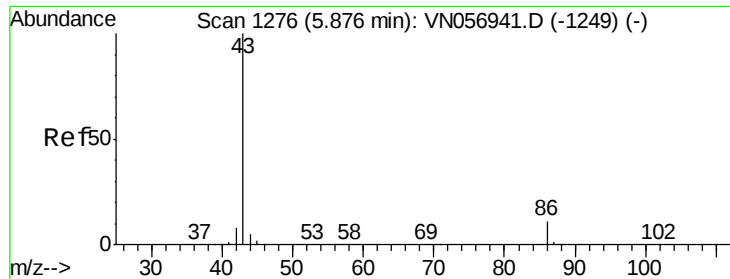
87 30.6 23.0 34.6

59 12.3 9.8 14.8



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

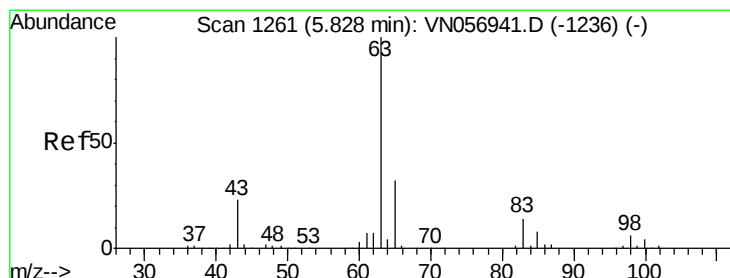
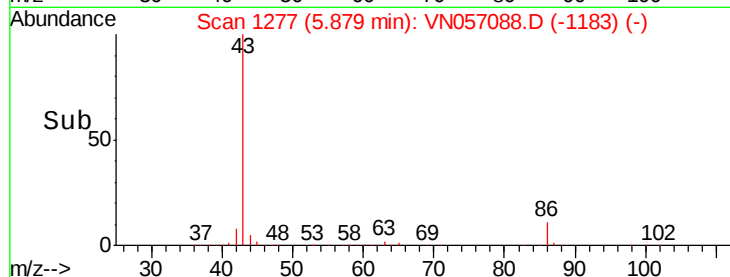
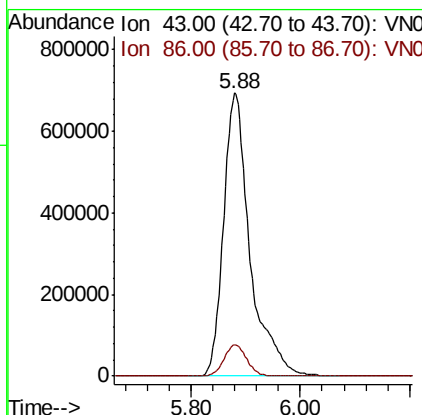
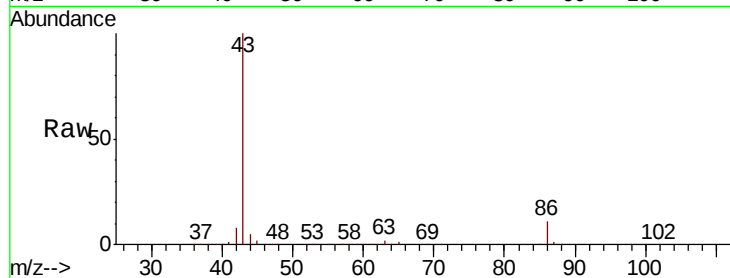




#23
 Vinyl Acetate
 Concen: 253.390 ug/l
 RT: 5.88 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN057088.D
 Acq: 5 Aug 2019 17:34

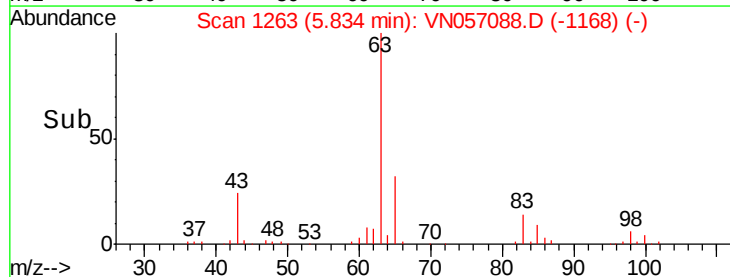
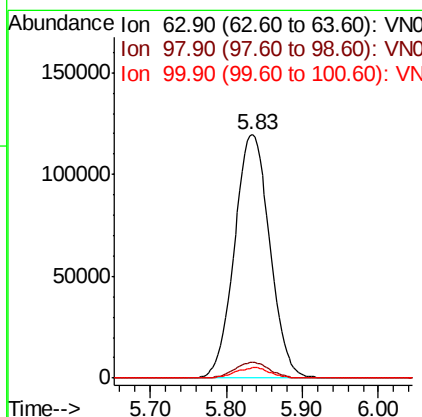
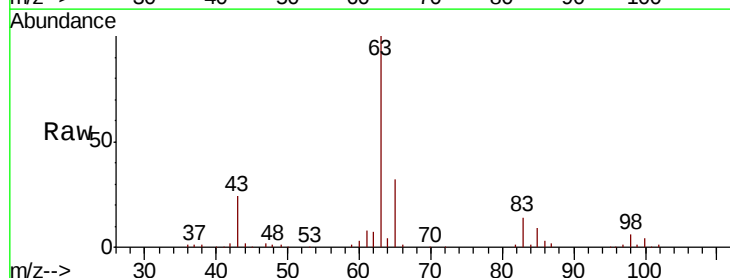
Instrument :
 MSVOA_N
 ClientSampleId :

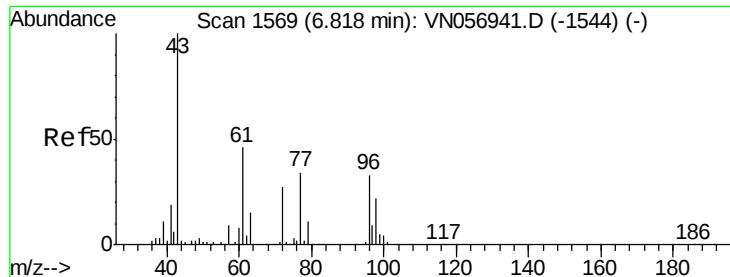
Tot Ion: 43 Resp: 2335063
 Ion Ratio Lower Upper
 43 100
 86 11.2 8.5 12.7



#24
 1,1-Dichloroethane
 Concen: 49.183 ug/l
 RT: 5.83 min Scan# 1263
 Delta R.T. 0.01 min
 Lab File: VN057088.D
 Acq: 5 Aug 2019 17:34

Tgt Ion: 63 Resp: 385954
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.2 9.6
 100 4.2 2.1 6.3

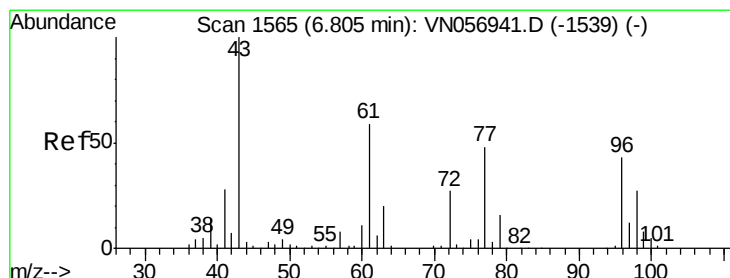
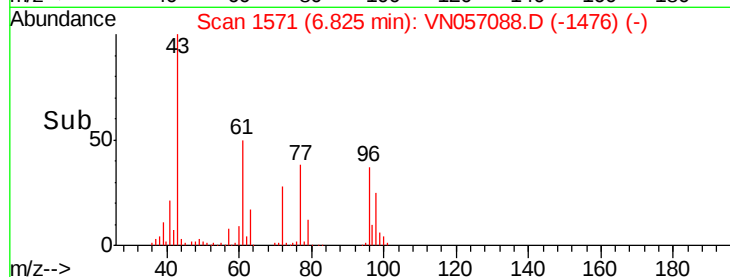
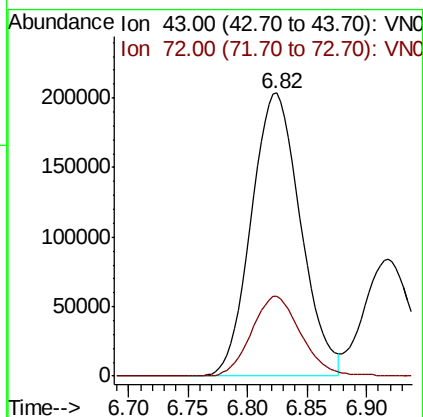
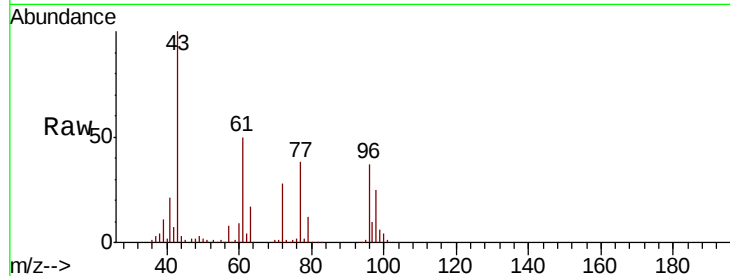




#25
2-Butanone
Concen: 245.181 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

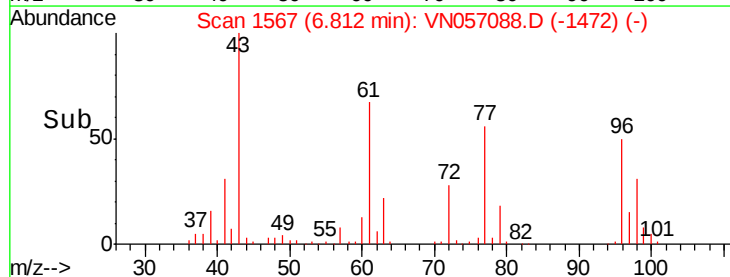
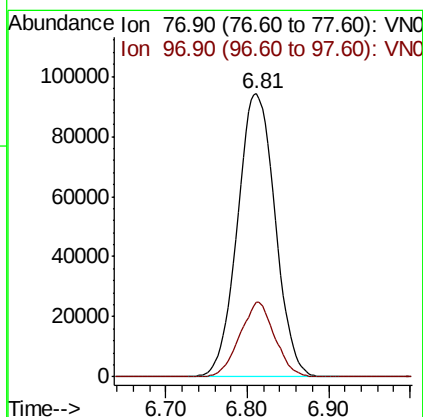
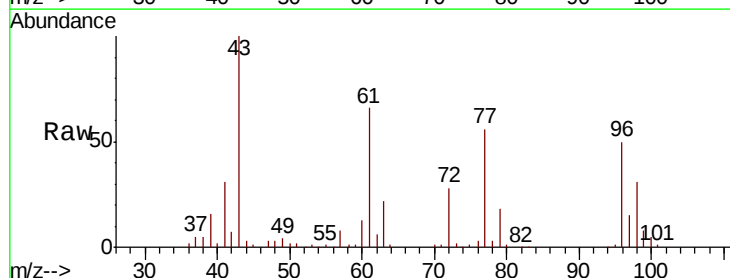
Instrument :
MSVOA_N
ClientSampled :

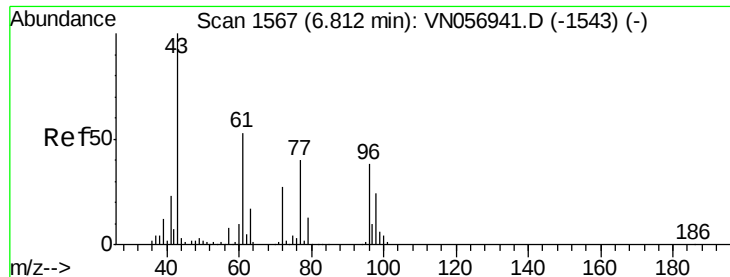
Tot Ion: 43 Resp: 582083
Ion Ratio Lower Upper
43 100
72 28.2 21.5 32.3



#26
2,2-Dichloropropane
Concen: 50.461 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Tgt Ion: 77 Resp: 301097
Ion Ratio Lower Upper
77 100
97 24.4 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 49.253 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Instrument :

MSVOA_N

ClientSampleId :

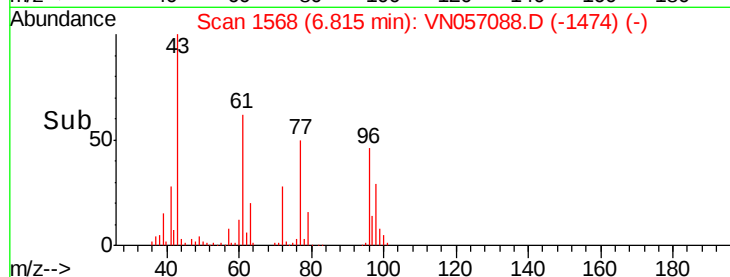
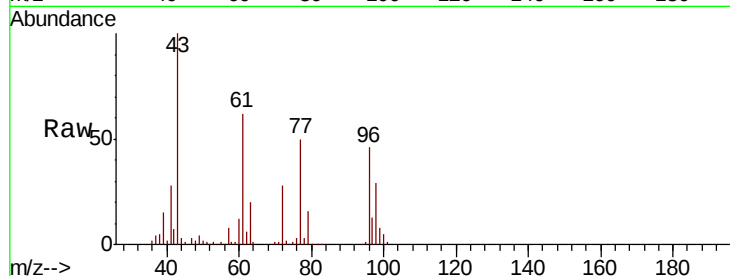
Tot Ion: 96 Resp: 245521

Ion Ratio Lower Upper

96 100

61 136.4 0.0 277.2

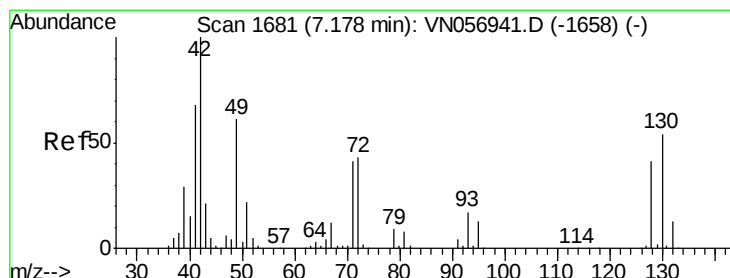
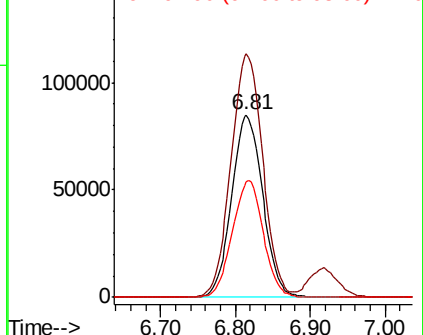
98 63.7 0.0 128.4



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: 47.776 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

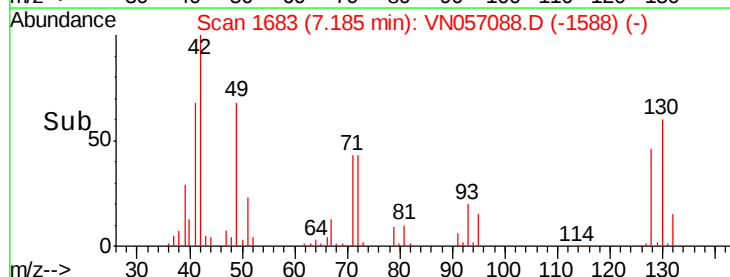
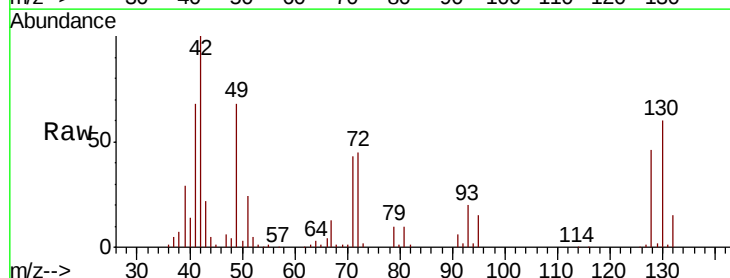
Tgt Ion: 49 Resp: 176227

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.6

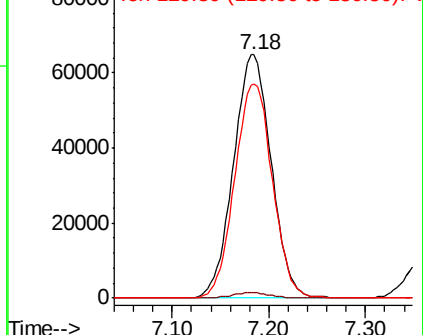
130 87.9 69.0 103.4

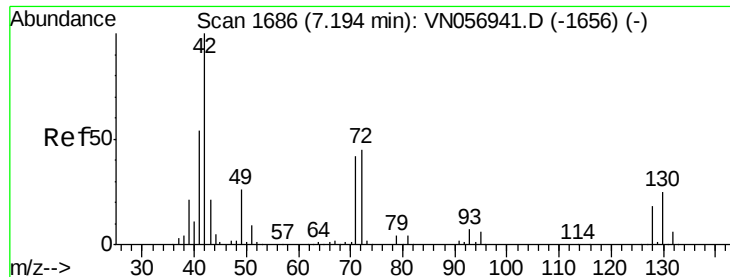


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

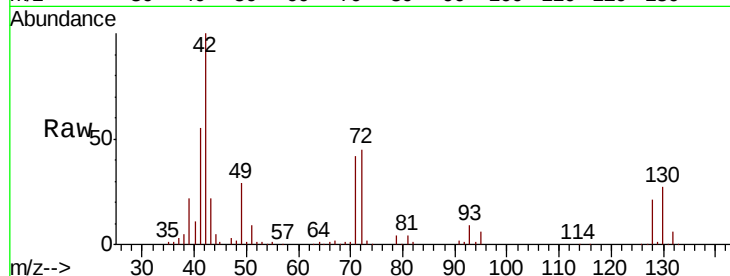




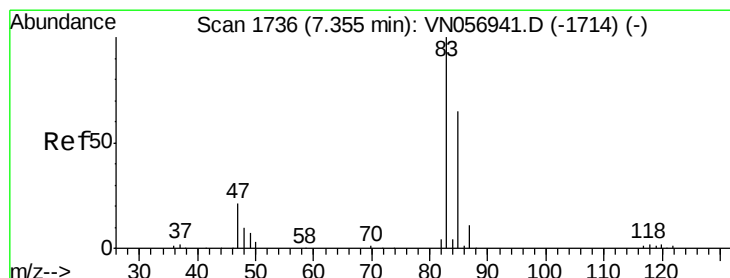
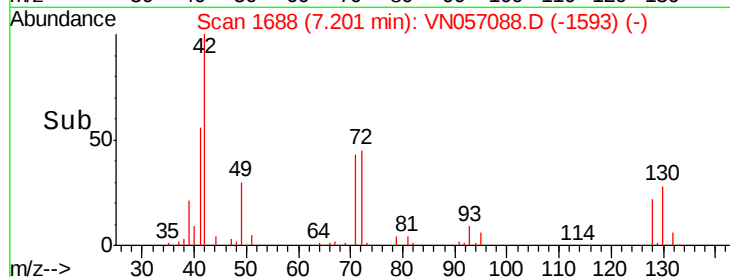
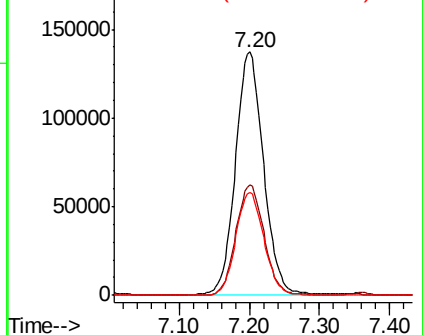
#29
Tetrahydrofuran
Concen: 245.794 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.01 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 380728
Ion Ratio Lower Upper
42 100
72 45.7 35.6 53.4
71 42.4 33.5 50.3

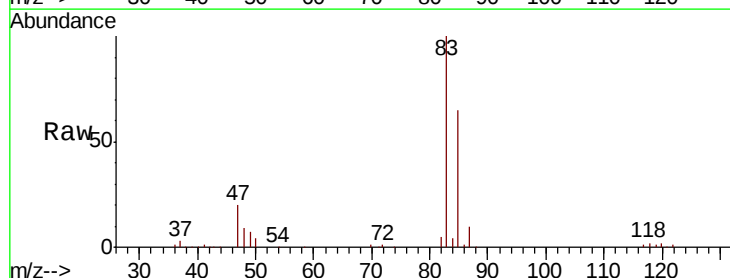


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

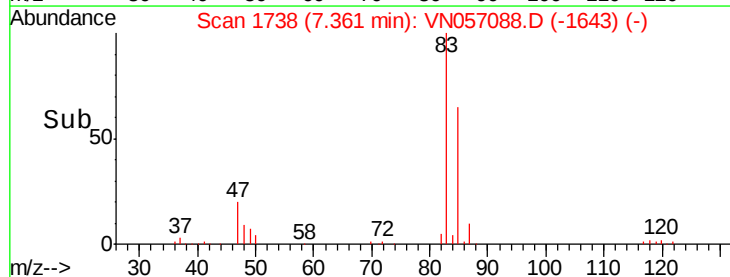
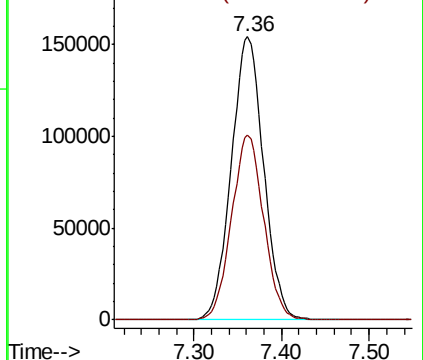


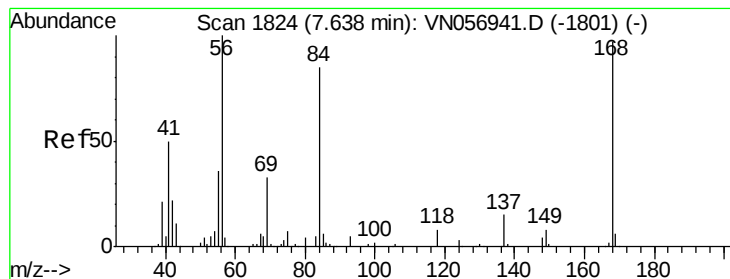
#30
Chloroform
Concen: 49.350 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. 0.01 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Tgt Ion: 83 Resp: 395955
Ion Ratio Lower Upper
83 100
85 65.3 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 43.053 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Instrument :
MSVOA_N
ClientSampled :

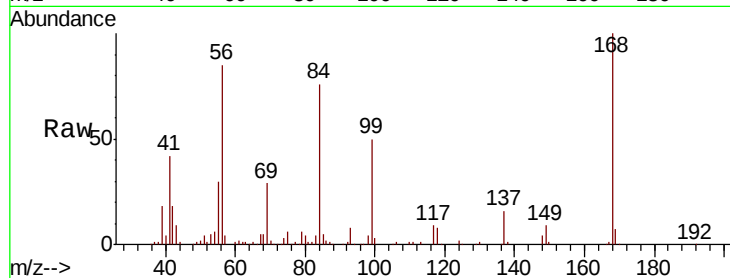
Tot Ion: 56 Resp: 326931

Ion Ratio Lower Upper

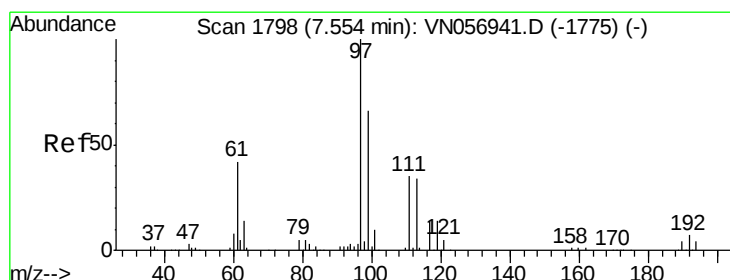
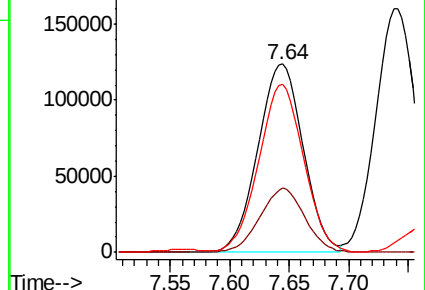
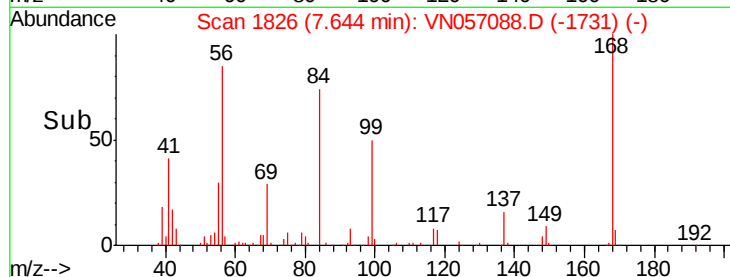
56 100

69 34.1 26.2 39.2

84 87.9 68.2 102.2



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: 51.958 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. 0.01 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

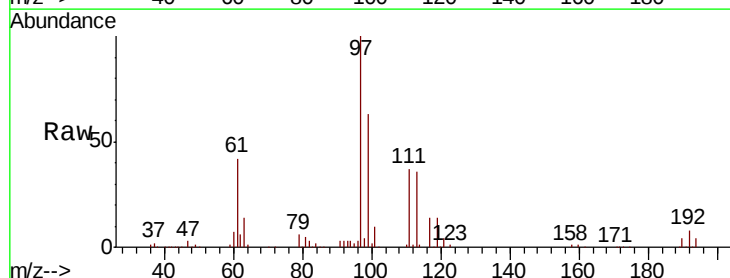
Tgt Ion: 97 Resp: 332622

Ion Ratio Lower Upper

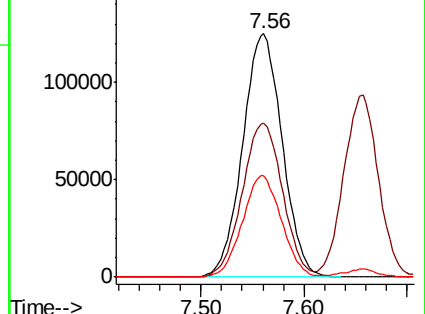
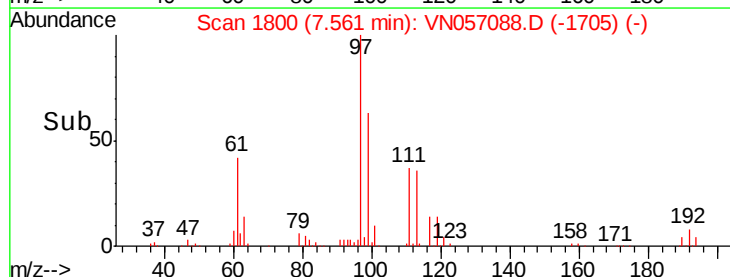
97 100

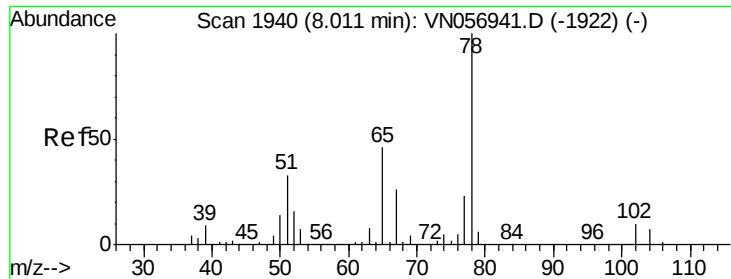
99 64.4 52.3 78.5

61 41.2 33.9 50.9



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: 52.070 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. 0.01 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

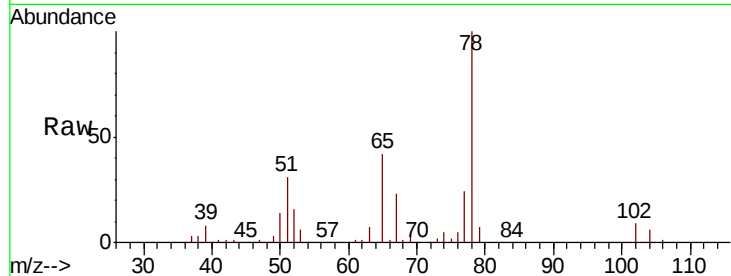
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 65 Resp: 240638

Ion Ratio Lower Upper

65 100

67 55.1 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VN056941.D (-1922) (-)

Ion 66.90 (66.60 to 67.60): VN056941.D (-1922) (-)

8.02

100000

80000

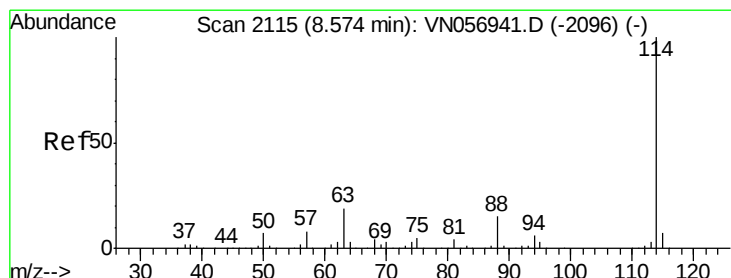
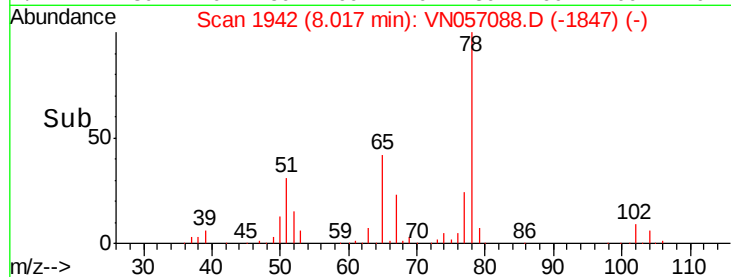
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

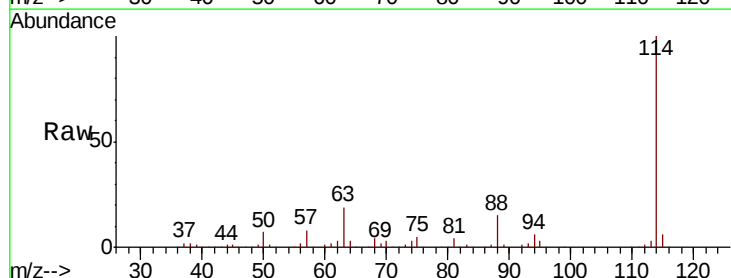
Tgt Ion: 114 Resp: 651961

Ion Ratio Lower Upper

114 100

63 18.6 0.0 38.0

88 15.5 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): VN056941.D (-2096) (-)

Ion 63.00 (62.70 to 63.70): VN056941.D (-2096) (-)

Ion 87.90 (87.60 to 88.60): VN056941.D (-2096) (-)

8.58

400000

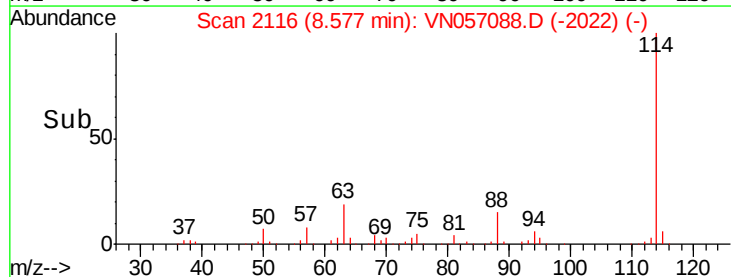
300000

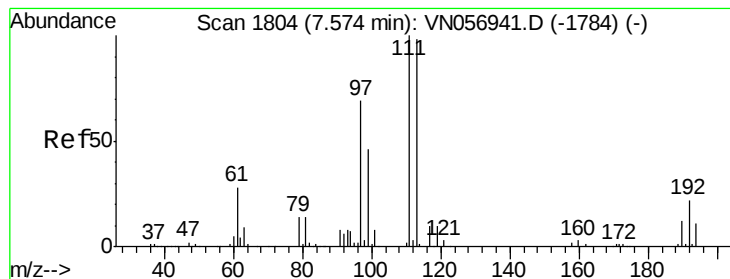
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 52.885 ug/l

RT: 7.58 min Scan# 1806

Delta R.T. 0.01 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Instrument :

MSVOA_N

ClientSampled :

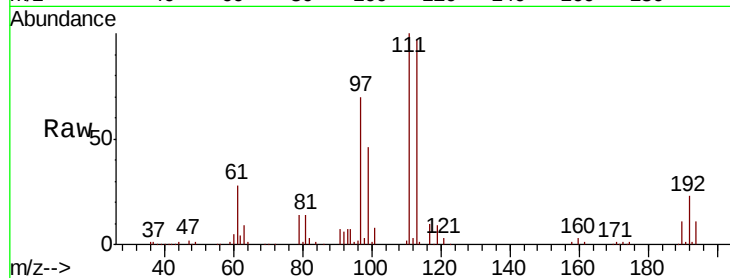
Tot Ion:113 Resp: 220721

Ion Ratio Lower Upper

113 100

111 103.8 82.0 123.0

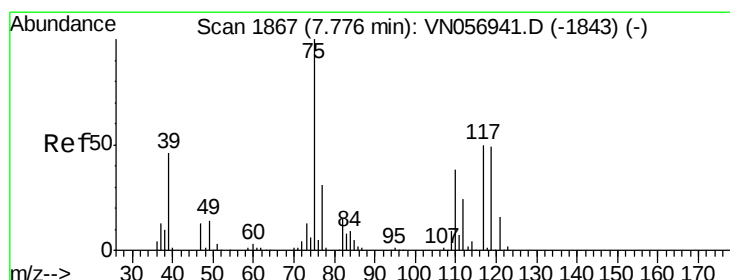
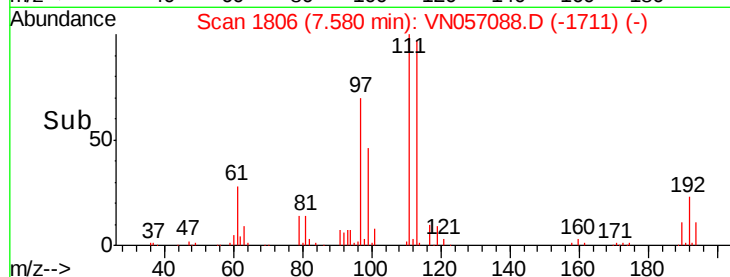
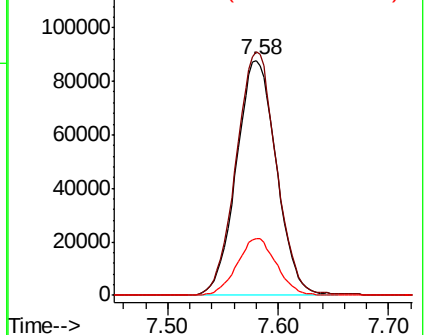
192 23.8 18.4 27.6



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: 48.609 ug/l

RT: 7.78 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

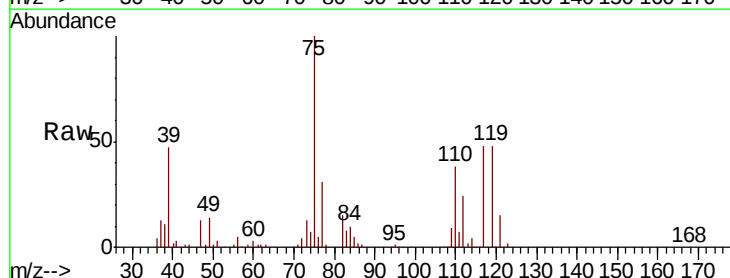
Tgt Ion: 75 Resp: 278858

Ion Ratio Lower Upper

75 100

110 37.7 18.6 55.8

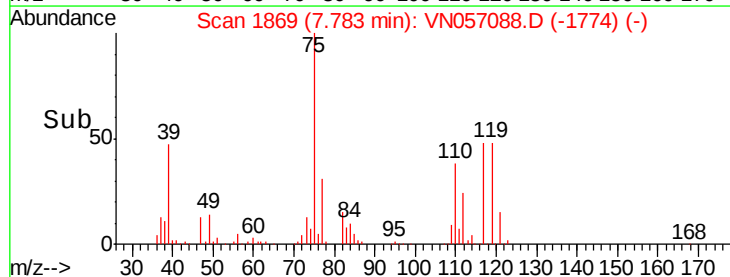
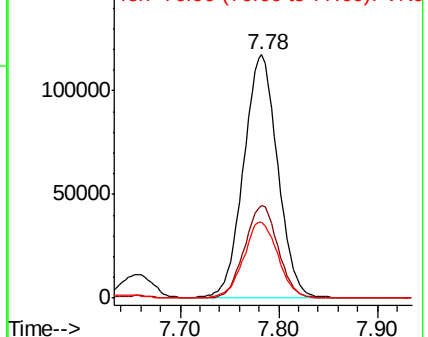
77 31.7 25.2 37.8

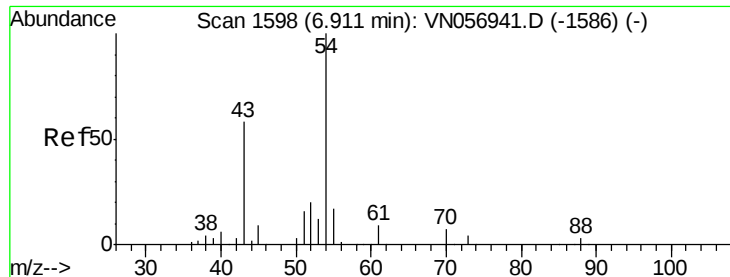


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

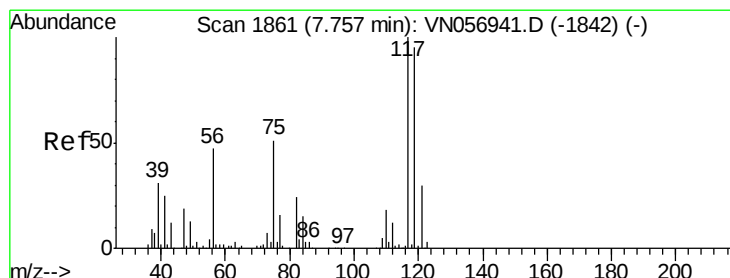
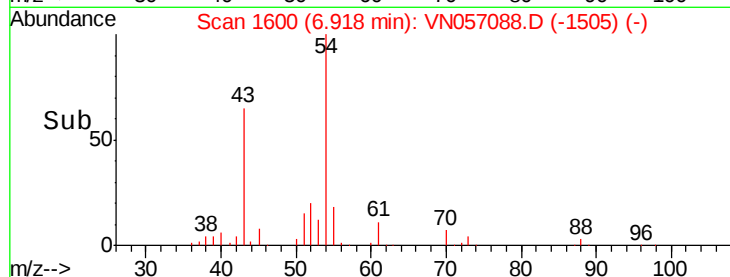
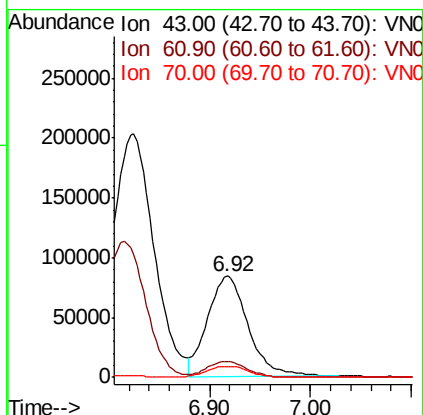
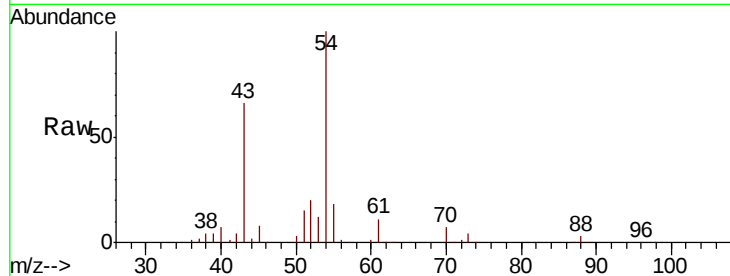




#37
Ethyl Acetate
Concen: 51.060 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

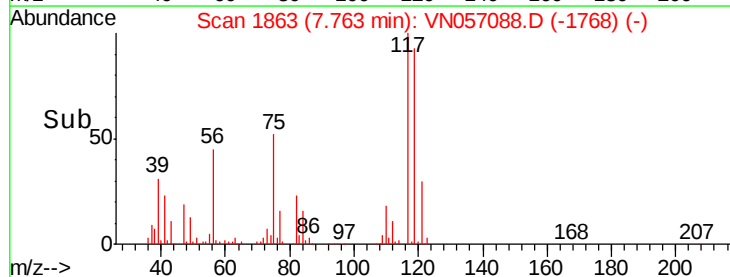
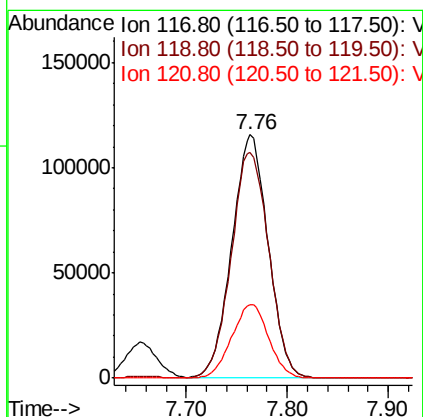
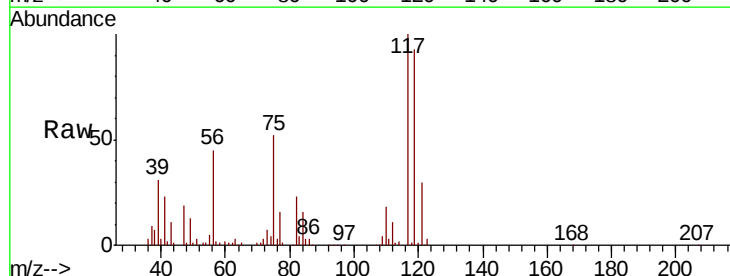
Instrument :
MSVOA_N
ClientSampled :

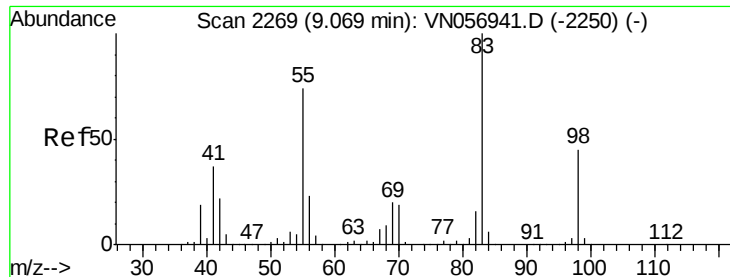
Tot Ion: 43 Resp: 234606
Ion Ratio Lower Upper
43 100
61 15.2 11.8 17.6
70 11.6 8.5 12.7



#38
Carbon Tetrachloride
Concen: 53.313 ug/l
RT: 7.76 min Scan# 1863
Delta R.T. 0.01 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Tgt Ion: 117 Resp: 289301
Ion Ratio Lower Upper
117 100
119 92.8 75.3 112.9
121 30.4 24.2 36.4

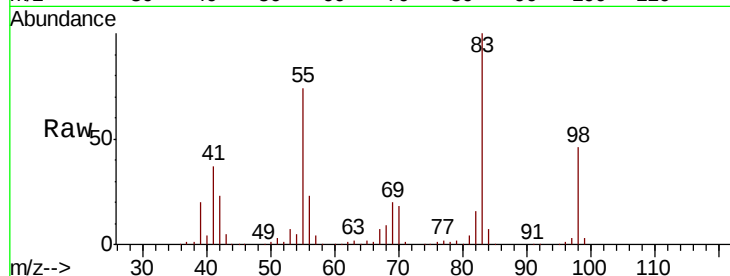




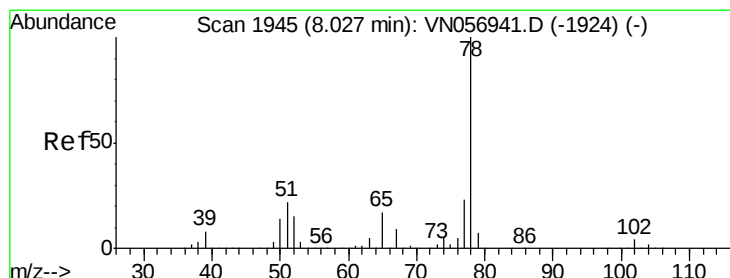
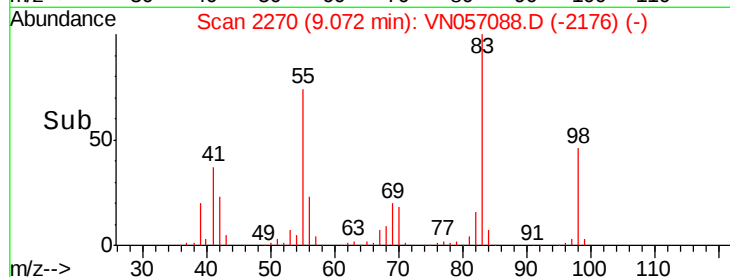
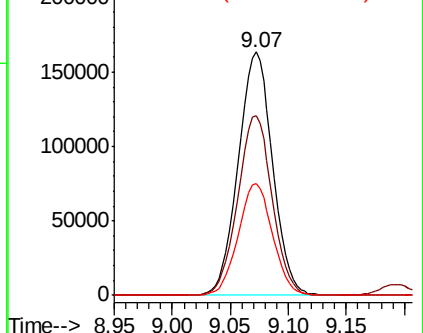
#39
Methvlcvclohexane
Concen: 45.874 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 336358
Ion Ratio Lower Upper
83 100
55 73.8 59.0 88.6
98 45.7 36.2 54.4

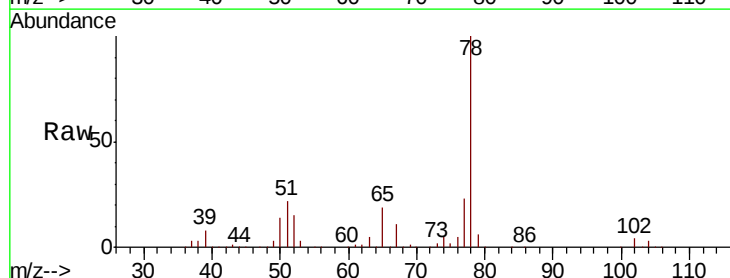


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

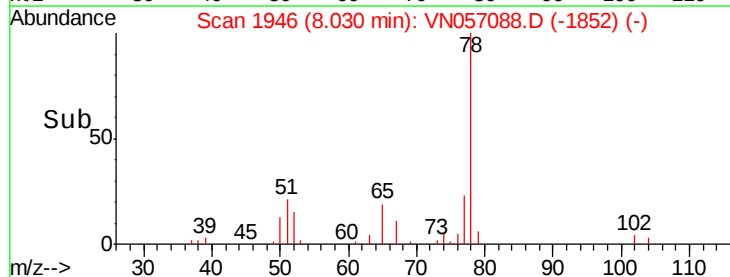
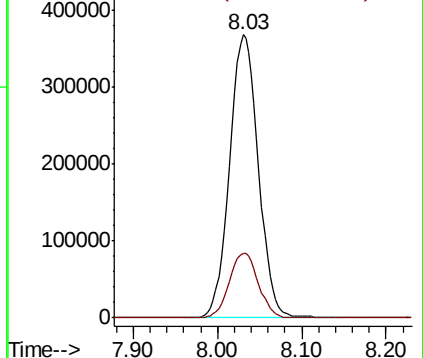


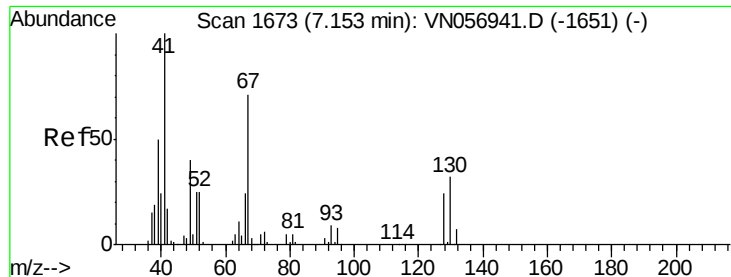
#40
Benzene
Concen: 49.418 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Tgt Ion: 78 Resp: 873187
Ion Ratio Lower Upper
78 100
77 23.0 18.3 27.5



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

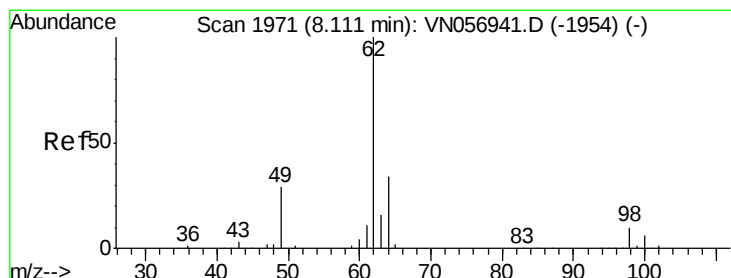
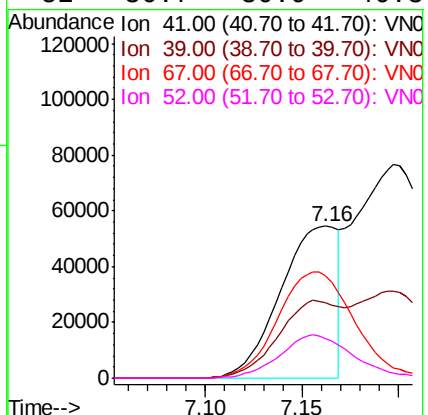
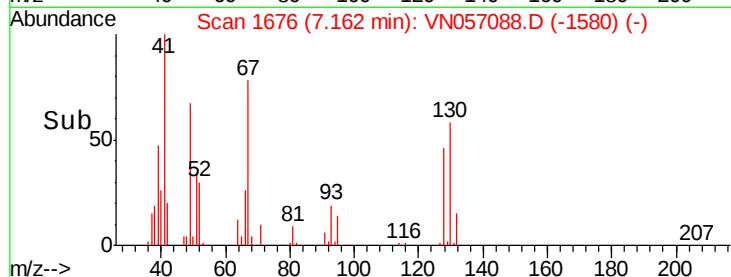
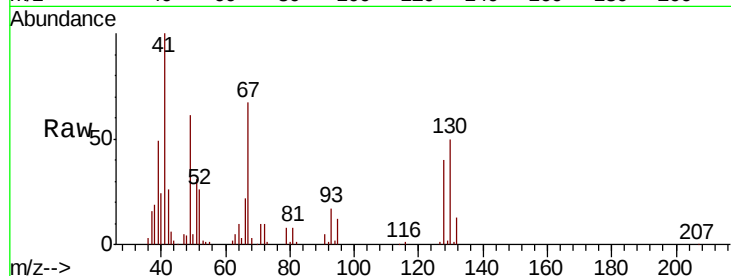




#41
Methacrylonitrile
Concen: 53.024 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

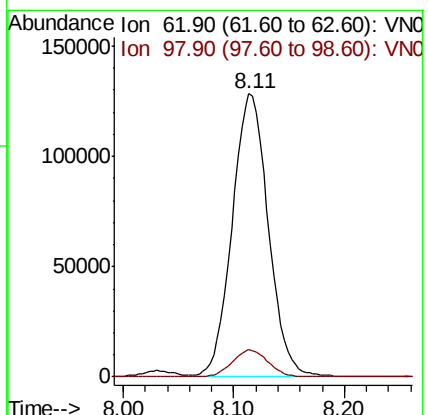
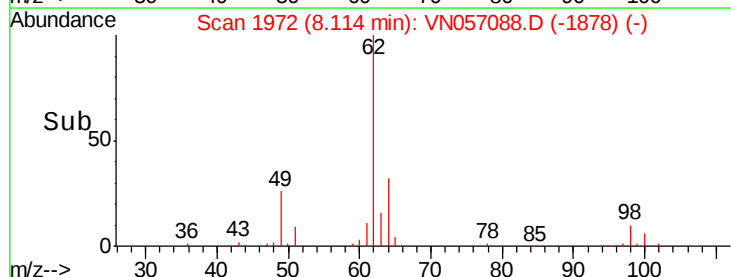
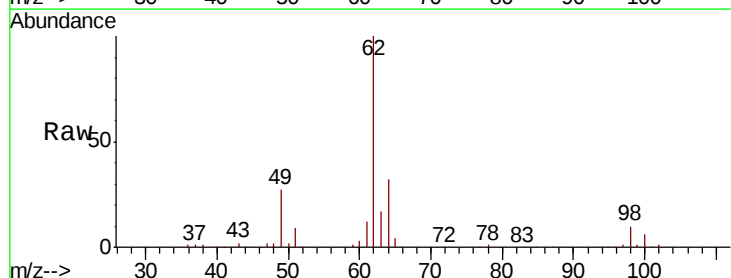
Instrument :
MSVOA_N
ClientSampled :

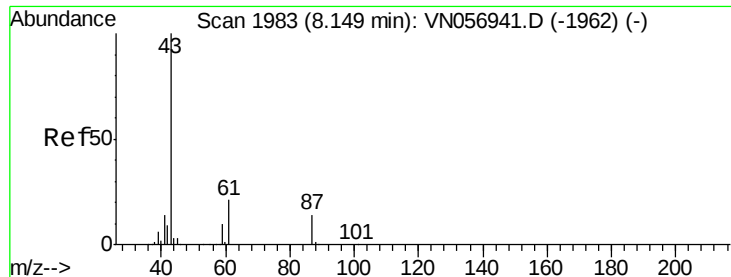
Tot Ion:	41	Resp:	112627
Ion	Ratio	Lower	Upper
41	100		
39	55.8	48.9	73.3
67	93.6	83.4	125.0
52	36.7	30.9	46.3



#42
1,2-Dichloroethane
Concen: 52.295 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Tgt Ion:	62	Resp:	289598
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	20.6





#43

Isopropyl Acetate

Concen: 55.839 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.01 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Instrument :

MSVOA_N

ClientSampleId :

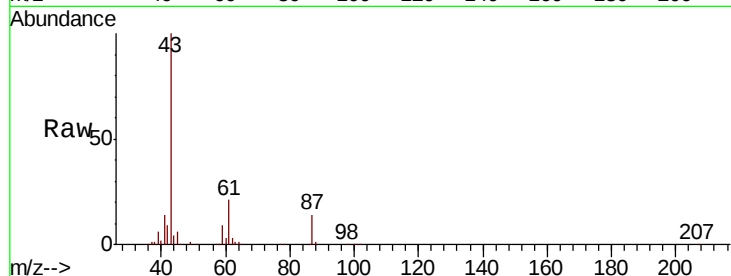
Tot Ion: 43 Resp: 424050

Ion Ratio Lower Upper

43 100

61 20.8 23.0 34.6#

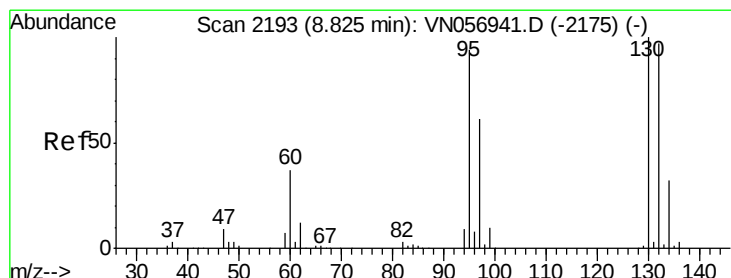
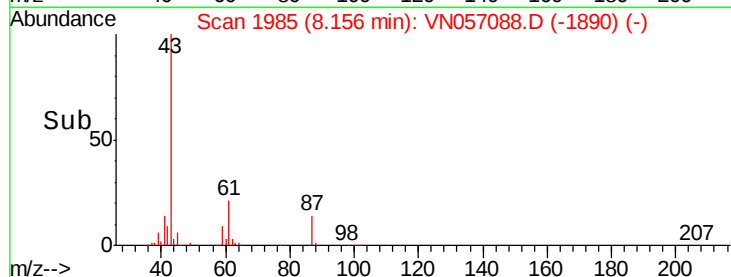
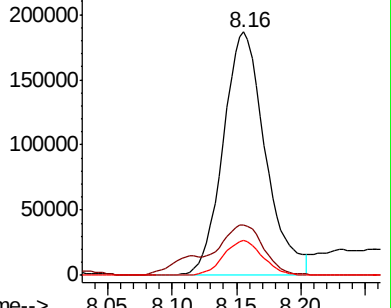
87 13.5 11.7 17.5



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN056941.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN056941.D (-1962) (-)



#44

Trichloroethene

Concen: 50.317 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN057088.D

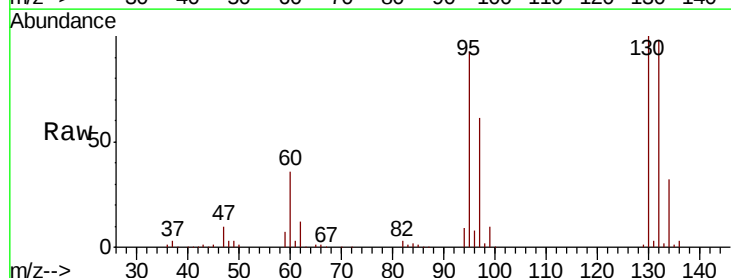
Acq: 5 Aug 2019 17:34

Tgt Ion:130 Resp: 244940

Ion Ratio Lower Upper

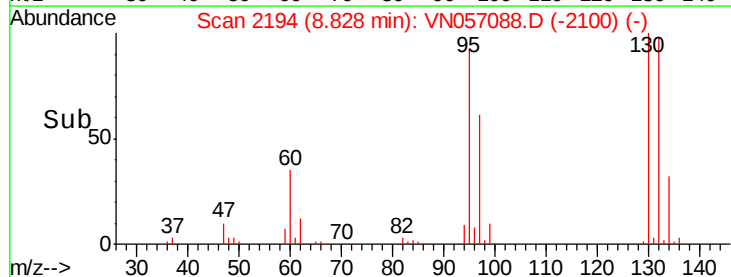
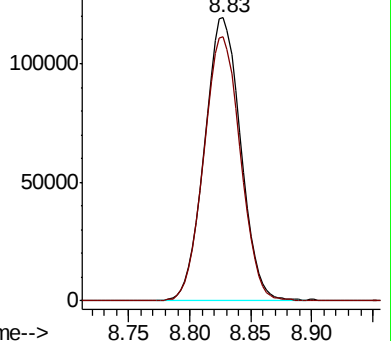
130 100

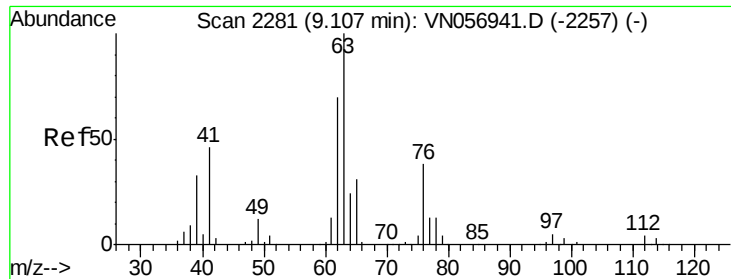
95 93.3 0.0 189.0



Abundance Ion 129.80 (129.50 to 130.50): VN056941.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN056941.D (-2175) (-)

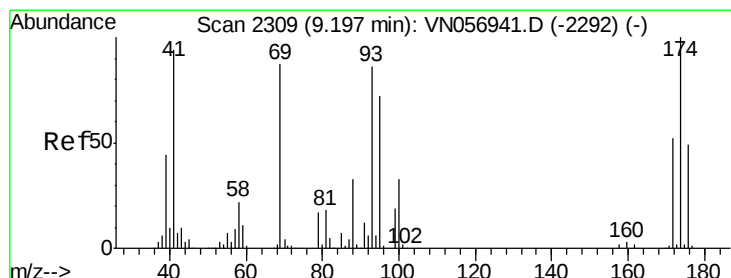
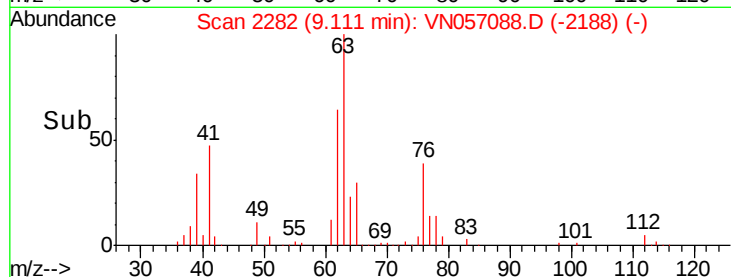
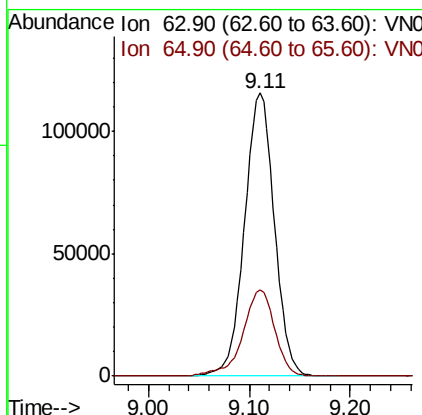
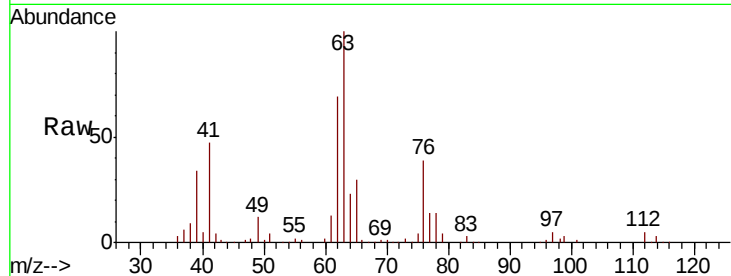




#45
 1,2-Dichloropropane
 Concen: 49.919 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057088.D
 Acq: 5 Aug 2019 17:34

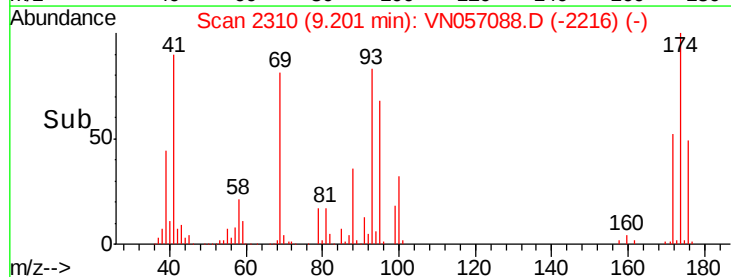
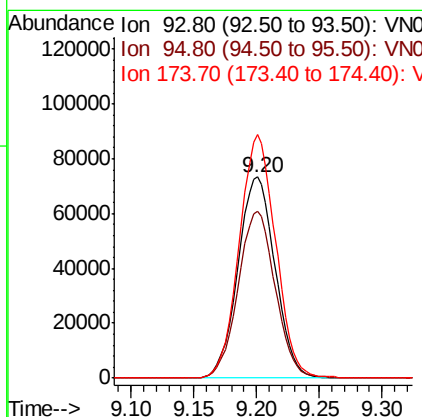
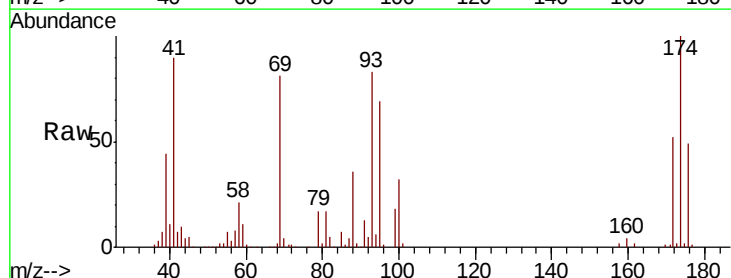
Instrument :
 MSVOA_N
 ClientSampleId :

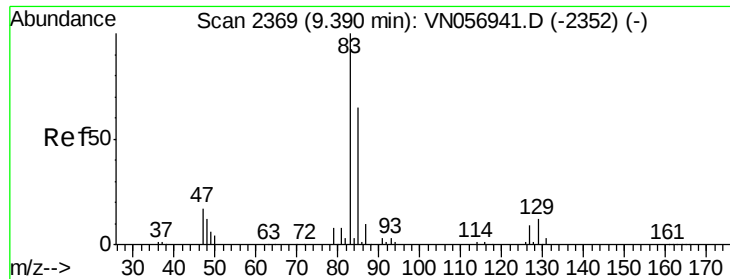
Tot Ion: 63 Resp: 235927
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.8 37.2



#46
 Dibromomethane
 Concen: 52.983 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057088.D
 Acq: 5 Aug 2019 17:34

Tgt Ion: 93 Resp: 151015
 Ion Ratio Lower Upper
 93 100
 95 82.9 67.0 100.6
 174 119.0 92.7 139.1





#47

Bromodichloromethane

Concen: 54.005 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Instrument :
MSVOA_N
ClientSampleId :

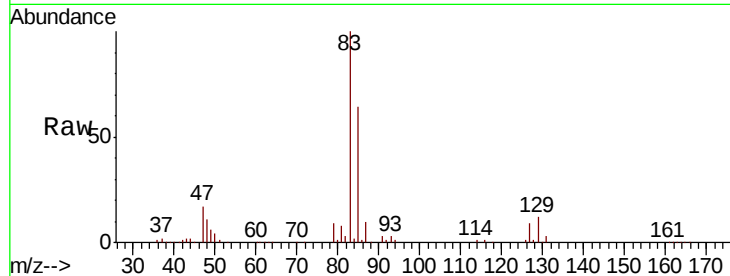
Tot Ion: 83 Resp: 302639

Ion Ratio Lower Upper

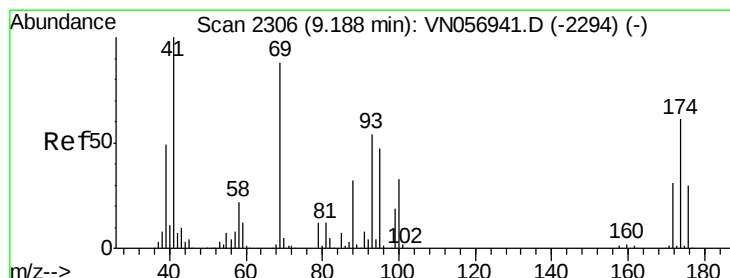
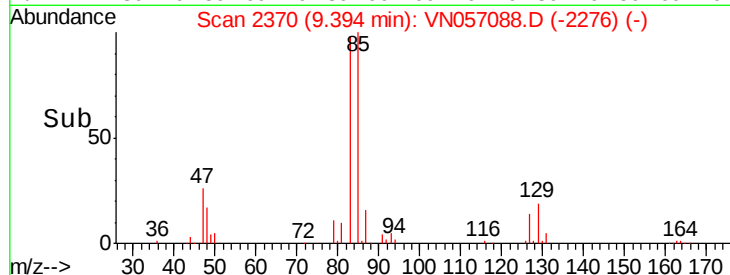
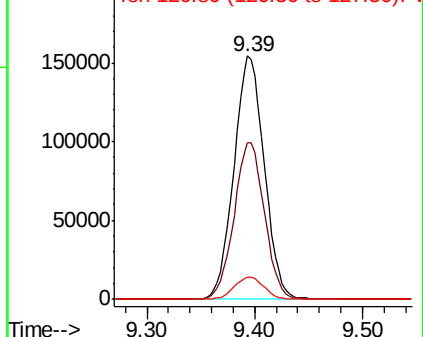
83 100

85 64.1 51.6 77.4

127 9.0 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 52.869 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

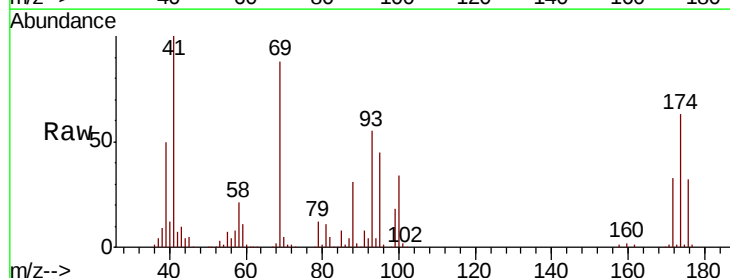
Tgt Ion: 41 Resp: 193843

Ion Ratio Lower Upper

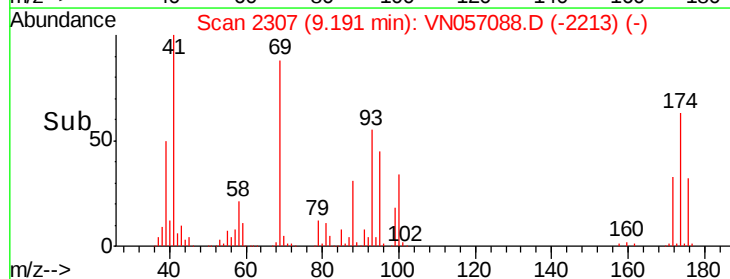
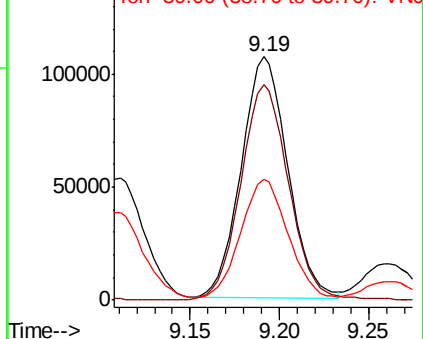
41 100

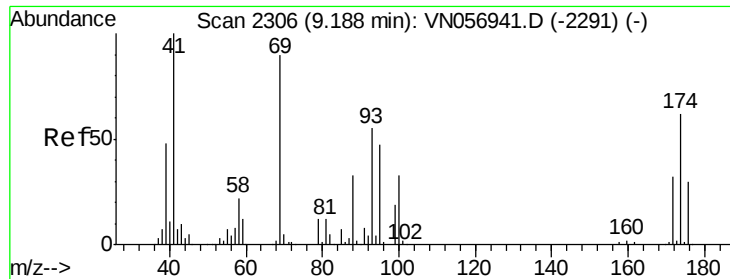
69 92.5 73.4 110.0

39 51.6 39.9 59.9



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

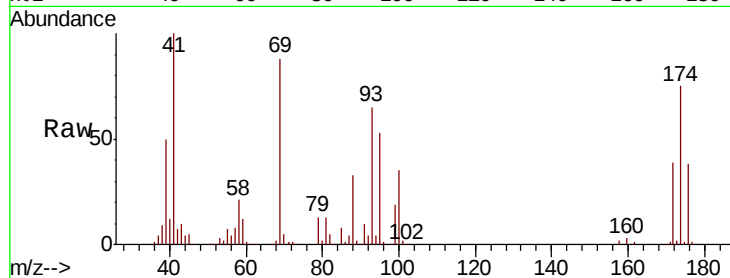




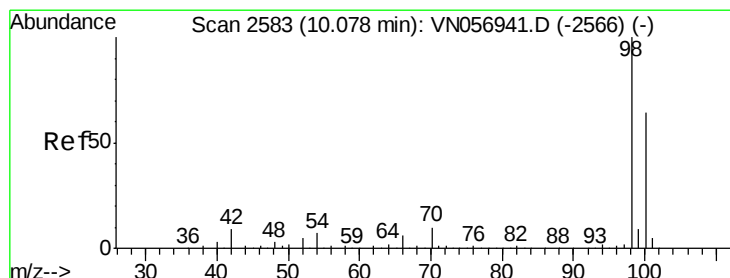
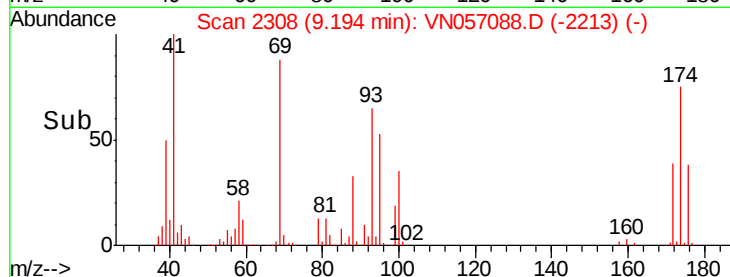
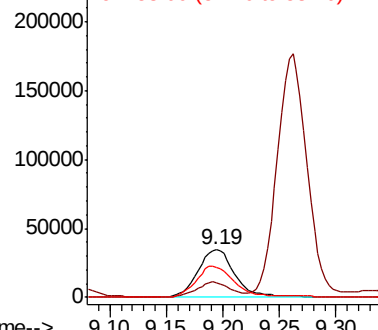
#49
1,4-Dioxane
Concen: 1050.663 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.01 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 79386
Ion Ratio Lower Upper
88 100
43 27.4 22.2 33.2
58 66.0 54.1 81.1

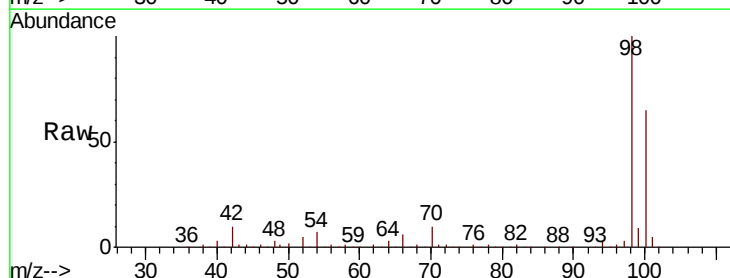


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

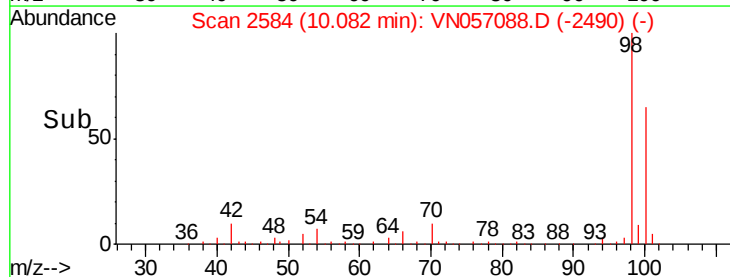
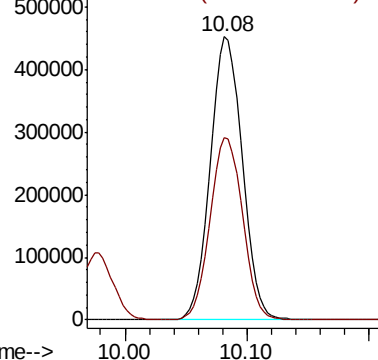


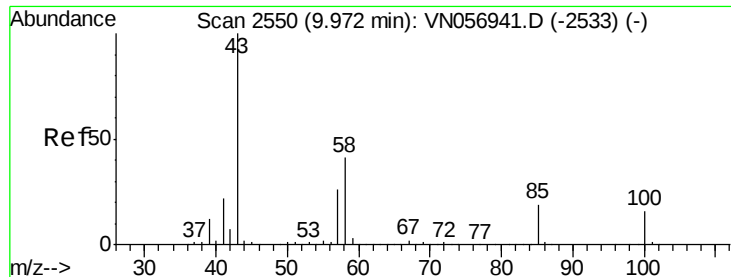
#50
Toluene-d8
Concen: 51.517 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Tgt Ion: 98 Resp: 819949
Ion Ratio Lower Upper
98 100
100 65.2 51.3 76.9



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: 259.310 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

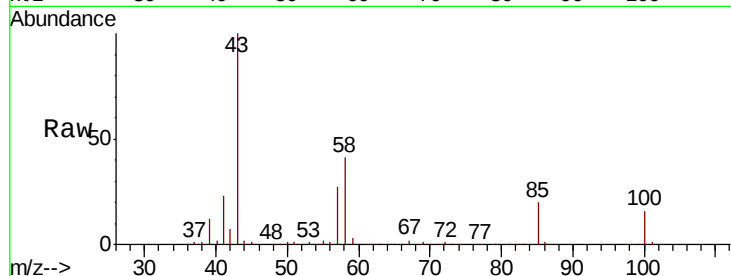
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1170056

Ion Ratio Lower Upper

43 100

58 41.6 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN056941.D (-2533) (-)

9.98

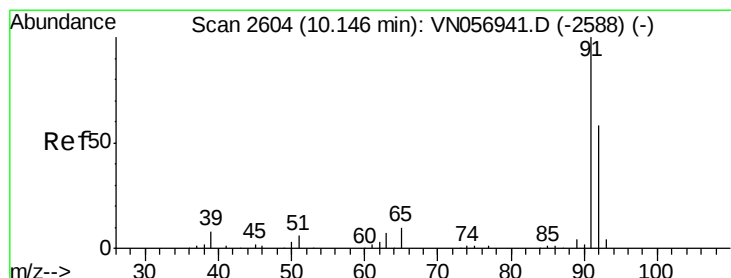
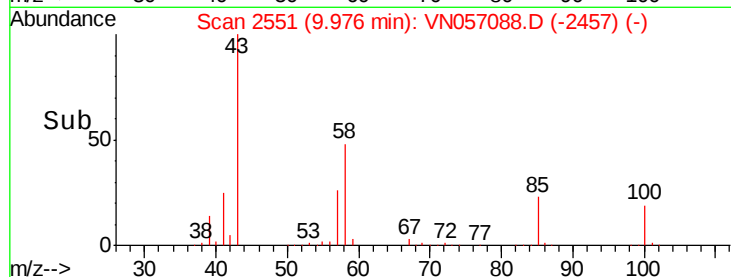
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 51.343 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN057088.D

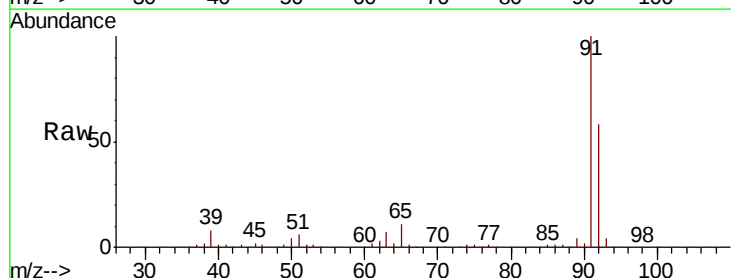
Acq: 5 Aug 2019 17:34

Tgt Ion: 92 Resp: 545063

Ion Ratio Lower Upper

92 100

91 174.3 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VN056941.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN056941.D (-2588) (-)

10.15

600000

500000

400000

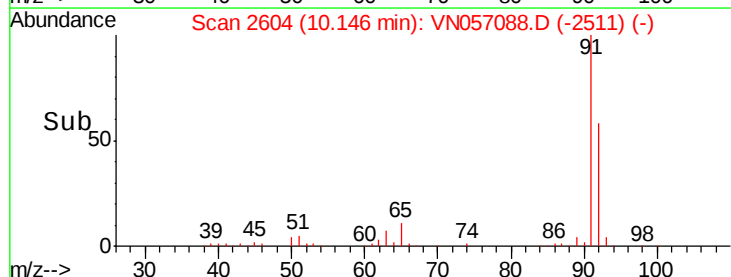
300000

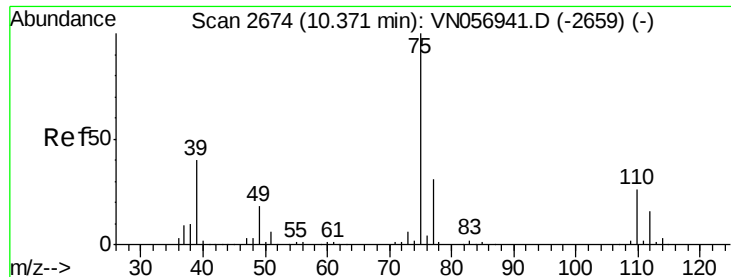
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 54.178 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Instrument :

MSVOA_N

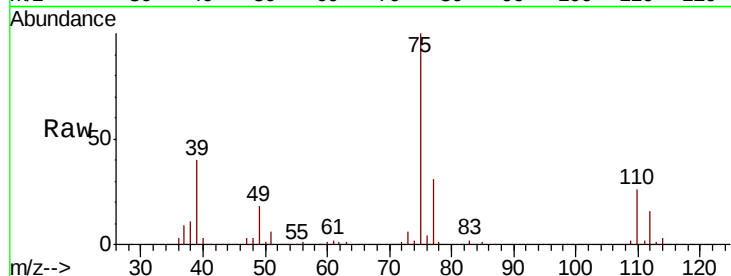
ClientSampled :

Tot Ion: 75 Resp: 315057

Ion Ratio Lower Upper

75 100

77 30.8 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

200000

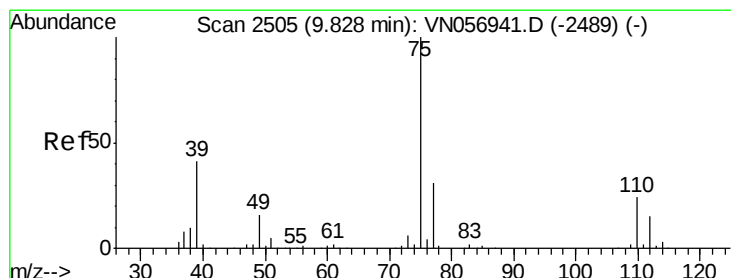
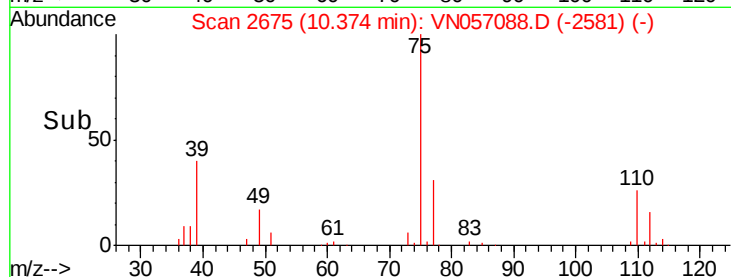
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 53.353 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

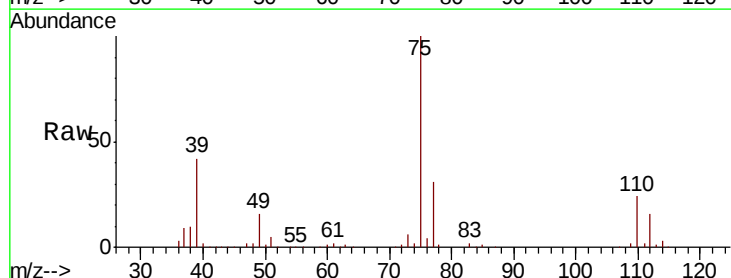
Tgt Ion: 75 Resp: 360742

Ion Ratio Lower Upper

75 100

77 31.4 25.0 37.6

39 41.8 32.6 49.0



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

9.83

250000

200000

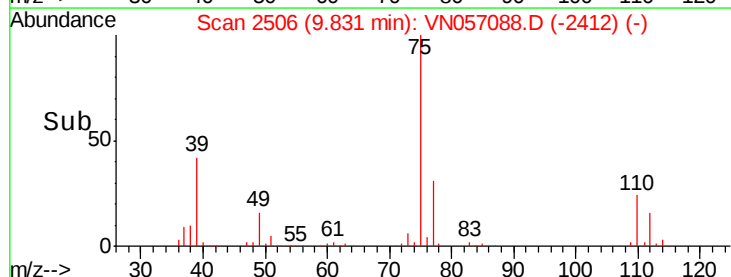
150000

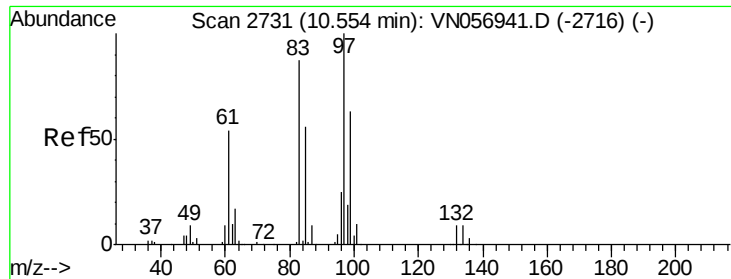
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 51.676 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 220005

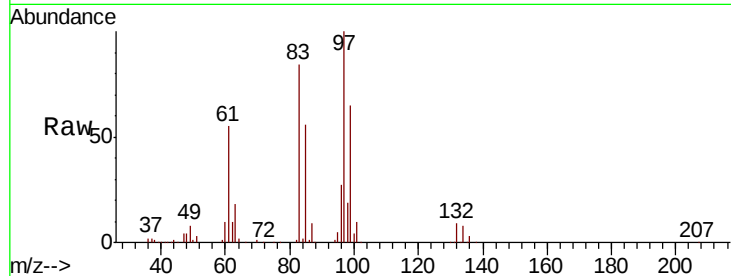
Ion Ratio Lower Upper

97 100

83 84.4 69.4 104.0

85 56.0 44.7 67.1

99 64.9 50.1 75.1

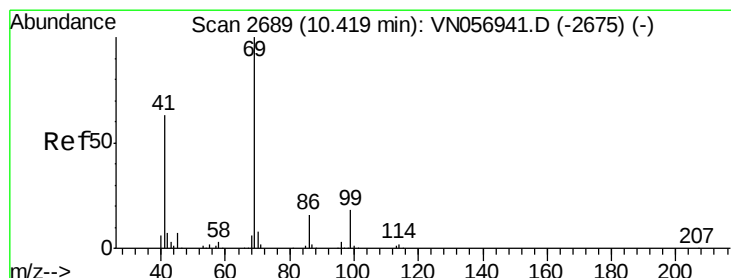
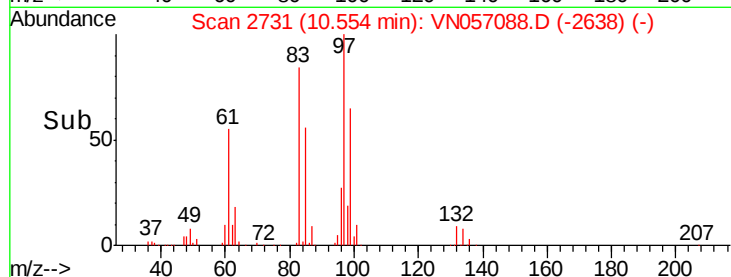
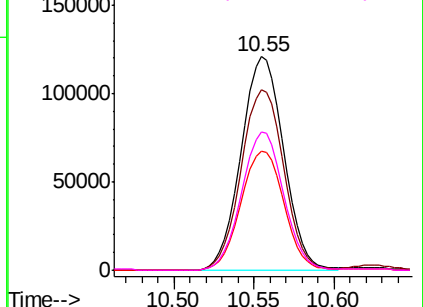


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 49.283 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

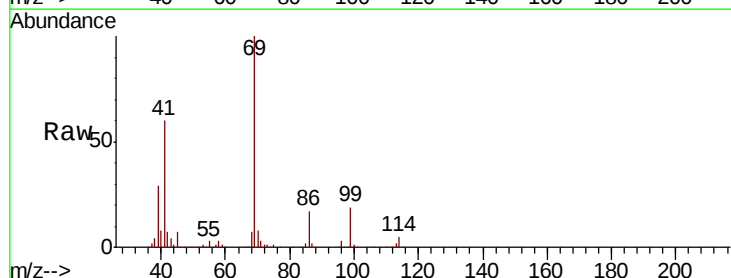
Tgt Ion: 69 Resp: 316693

Ion Ratio Lower Upper

69 100

41 60.5 49.2 73.8

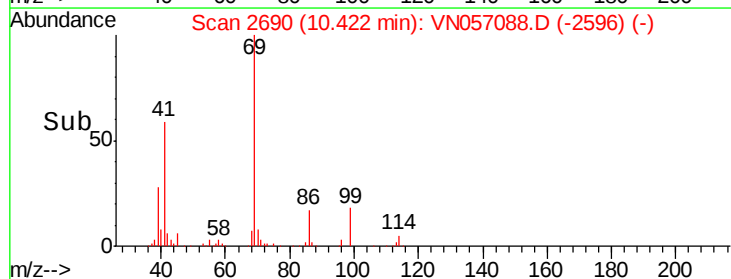
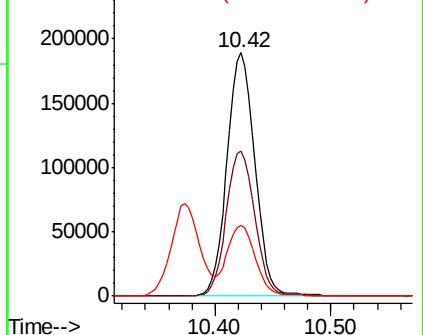
39 28.6 23.1 34.7

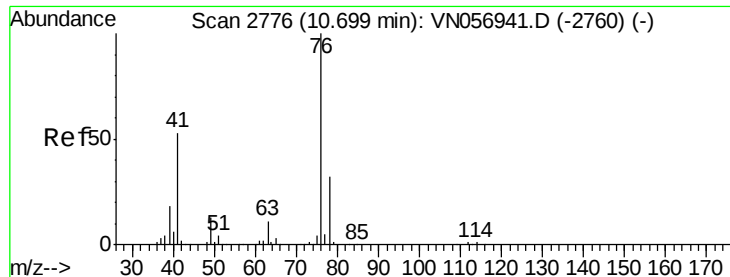


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

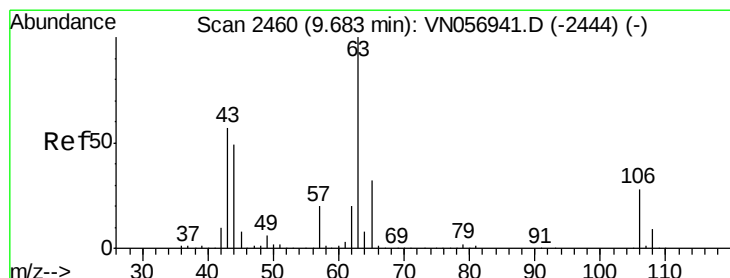
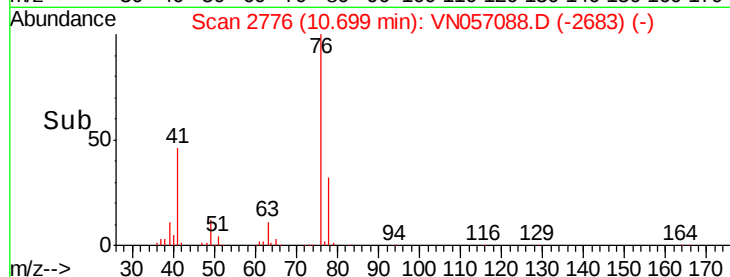
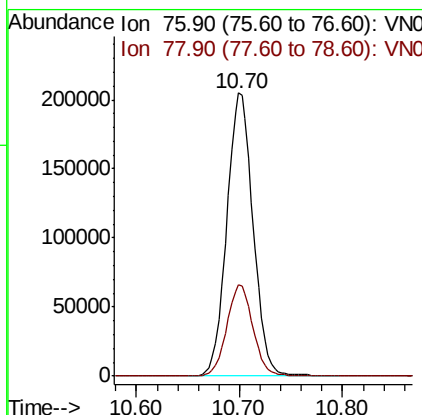
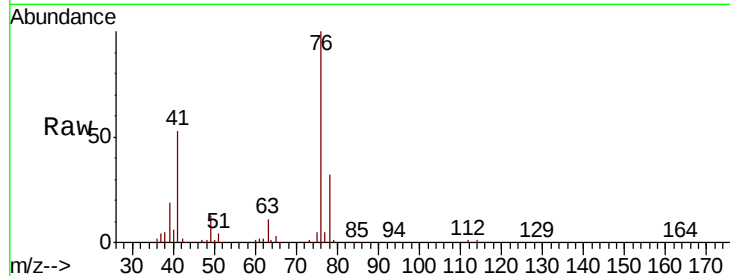




#57
 1,3-Dichloropropane
 Concen: 51.539 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. -0.00 min
 Lab File: VN057088.D
 Acq: 5 Aug 2019 17:34

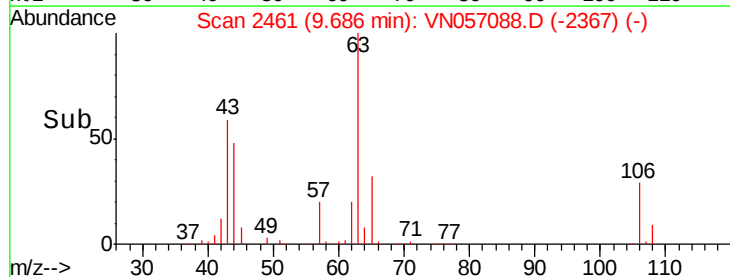
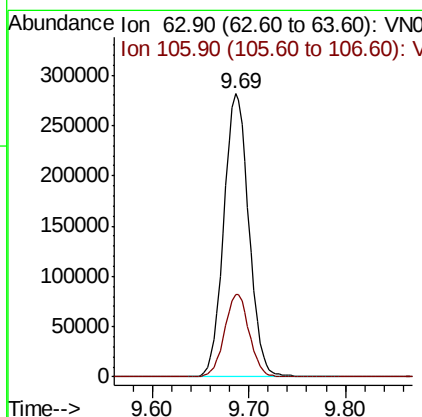
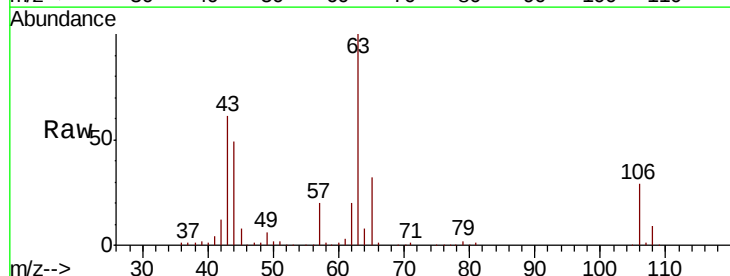
Instrument :
 MSVOA_N
 ClientSampled :

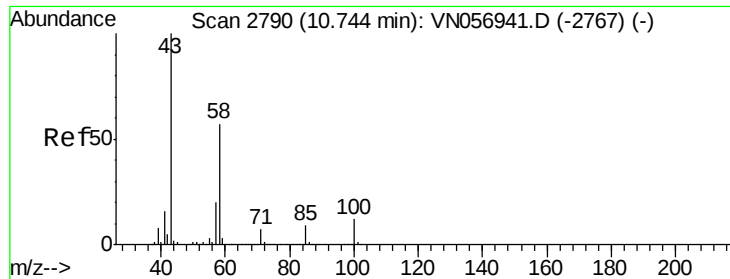
Tot Ion: 76 Resp: 363852
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 198.600 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN057088.D
 Acq: 5 Aug 2019 17:34

Tgt Ion: 63 Resp: 506675
 Ion Ratio Lower Upper
 63 100
 106 28.7 22.0 33.0

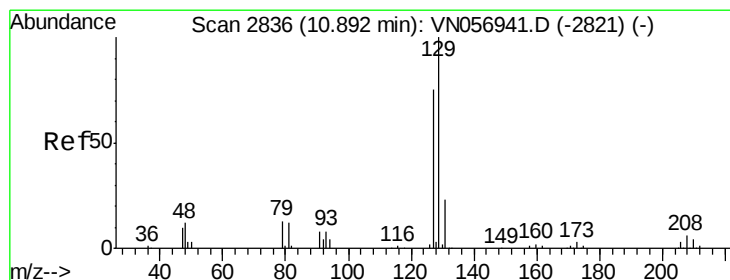
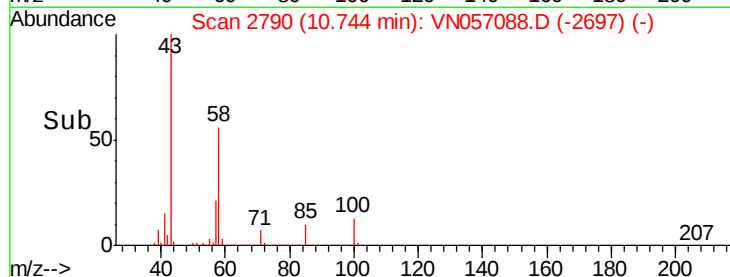
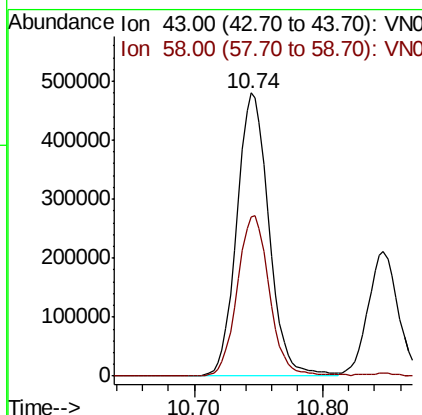
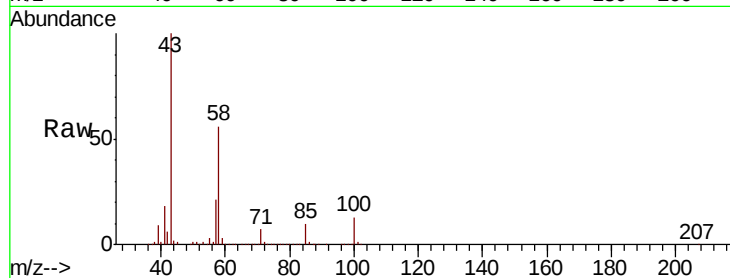




#59
2-Hexanone
Concen: 239.083 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

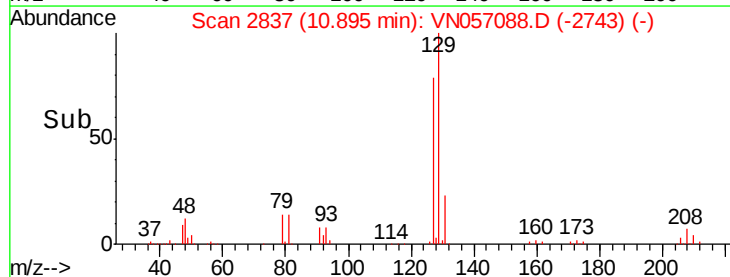
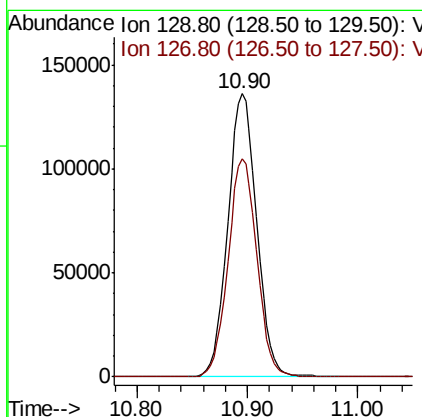
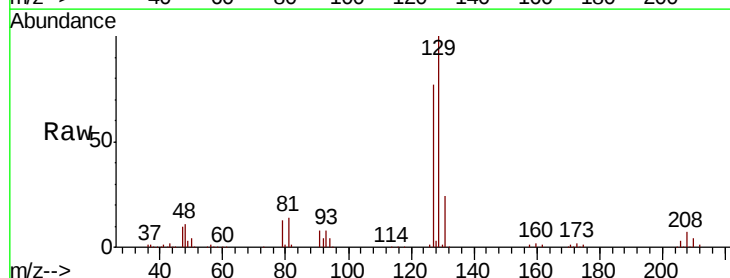
Instrument :
MSVOA_N
ClientSampleId :

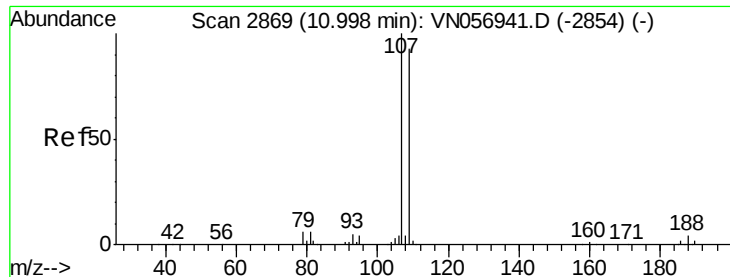
Tot Ion: 43 Resp: 830388
Ion Ratio Lower Upper
43 100
58 57.0 28.5 85.5



#60
Dibromochloromethane
Concen: 56.668 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Tgt Ion: 129 Resp: 247172
Ion Ratio Lower Upper
129 100
127 76.8 38.0 113.9

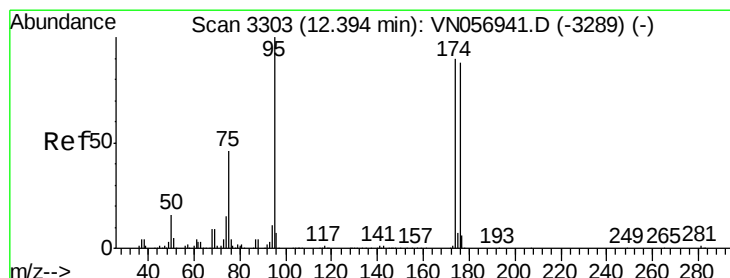
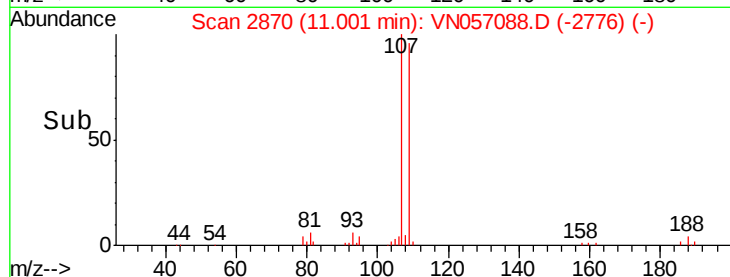
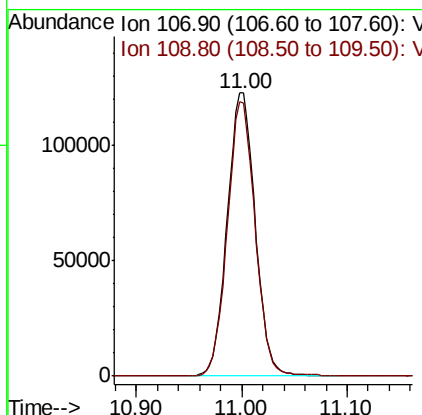
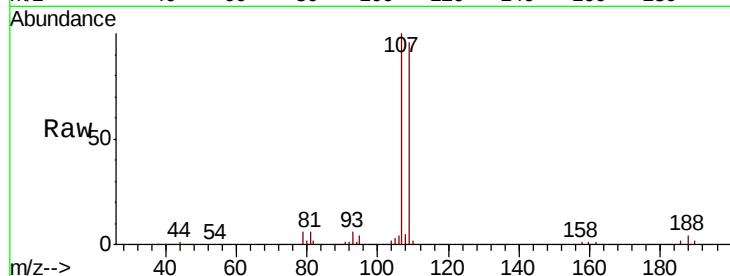




#61
 1,2-Dibromoethane
 Concen: 54.162 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN057088.D
 Acq: 5 Aug 2019 17:34

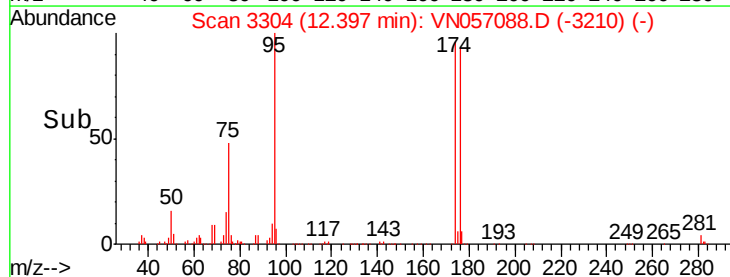
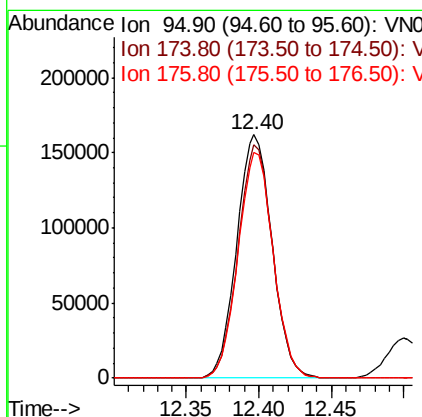
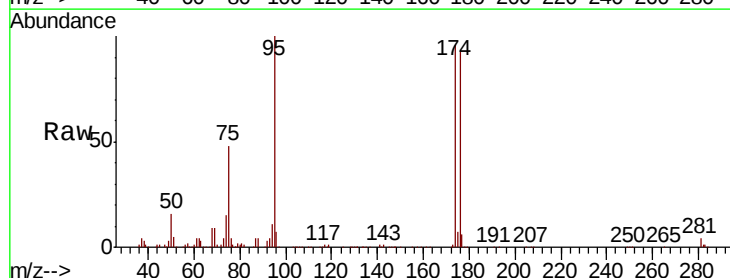
Instrument :
 MSVOA_N
 ClientSampled :

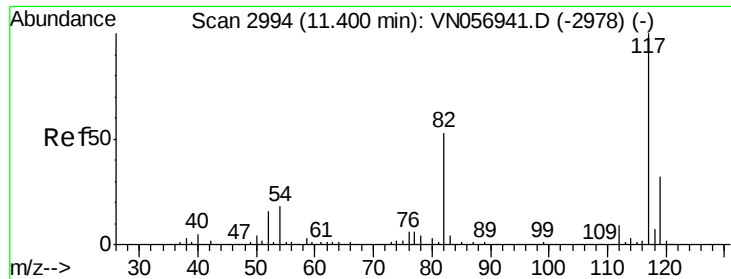
Tot Ion: 107 Resp: 225030
 Ion Ratio Lower Upper
 107 100
 109 96.1 76.0 114.0



#62
 4-Bromofluorobenzene
 Concen: 53.038 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN057088.D
 Acq: 5 Aug 2019 17:34

Tgt Ion: 95 Resp: 274811
 Ion Ratio Lower Upper
 95 100
 174 93.8 0.0 182.2
 176 92.1 0.0 179.4

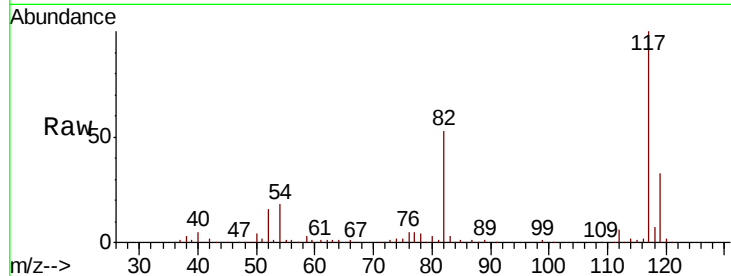




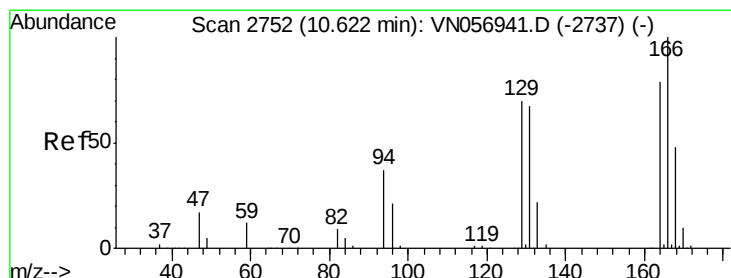
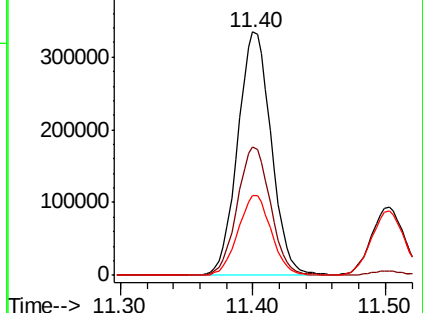
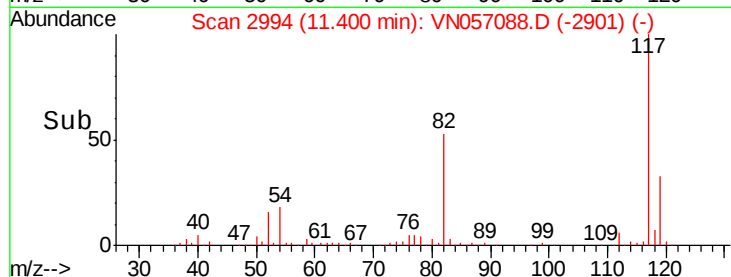
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 587765
Ion Ratio Lower Upper
117 100
82 52.8 42.2 63.4
119 32.7 25.8 38.6

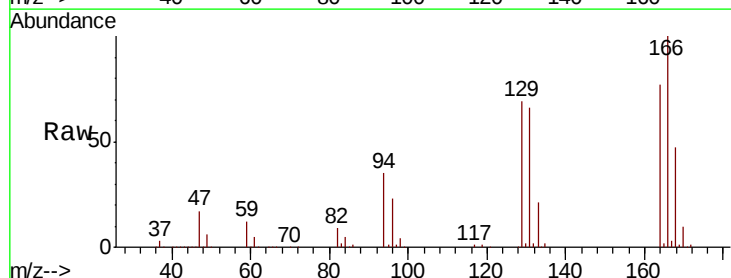


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

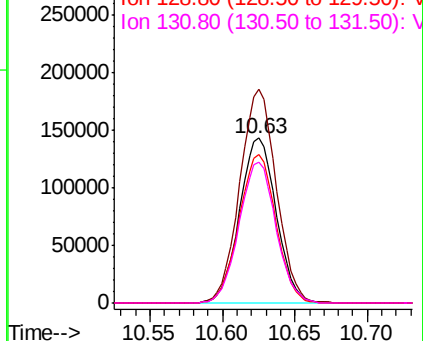
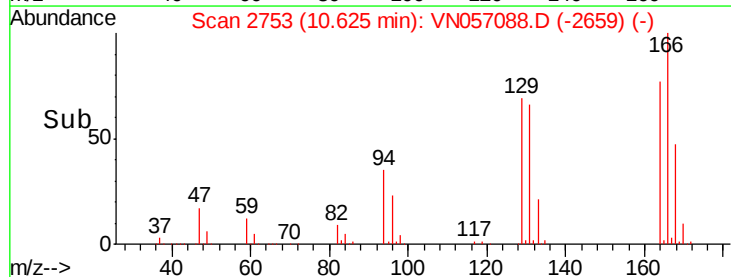


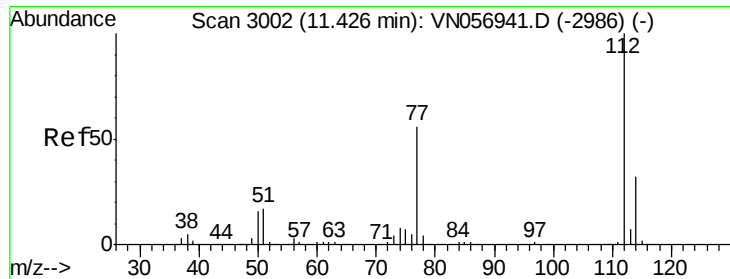
#64
Tetrachloroethene
Concen: 49.827 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Tgt Ion:164 Resp: 252376
Ion Ratio Lower Upper
164 100
166 129.8 101.1 151.7
129 90.2 70.9 106.3
131 85.8 67.7 101.5



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

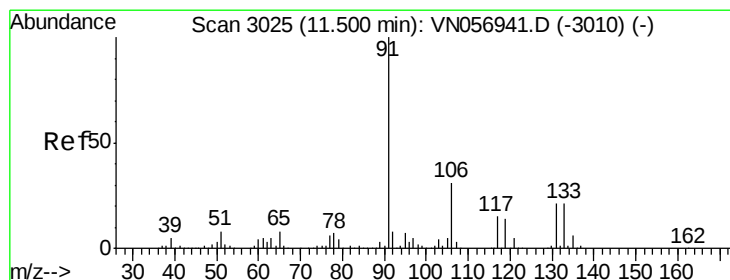
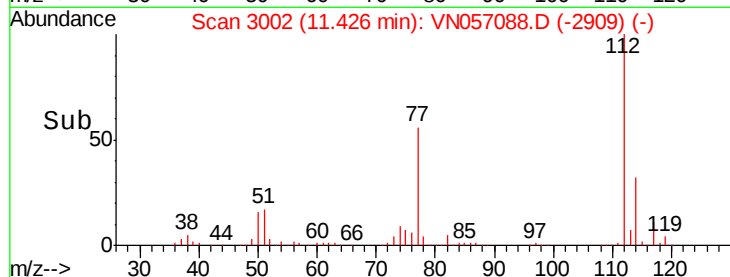
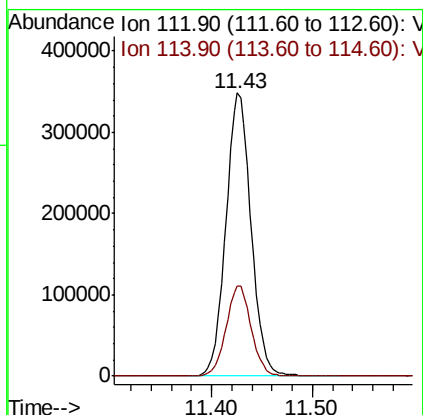
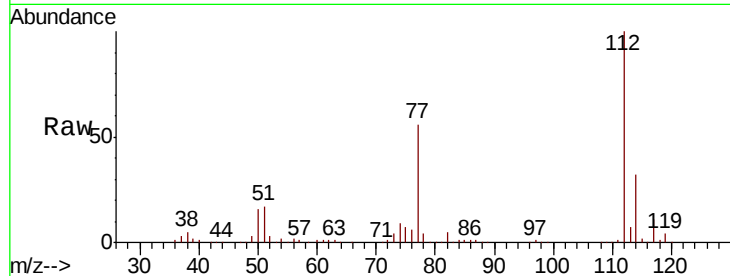




#65
Chlorobenzene
Concen: 50.524 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

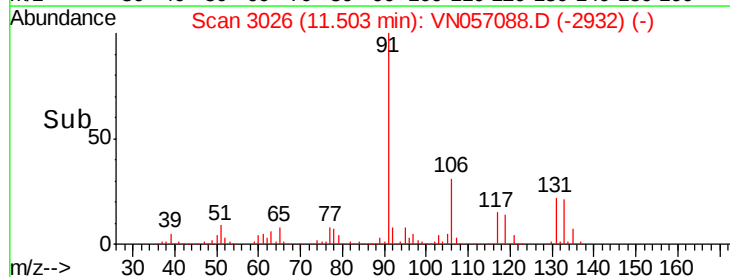
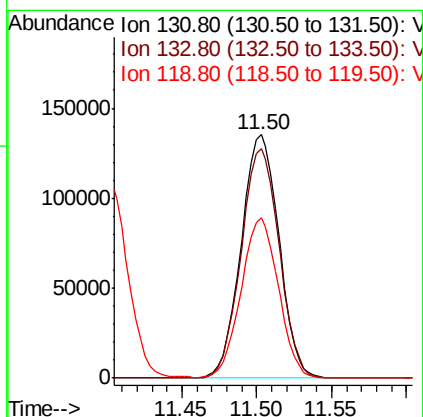
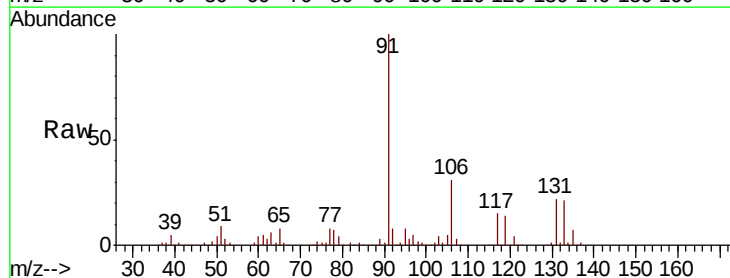
Instrument :
MSVOA_N
ClientSampled :

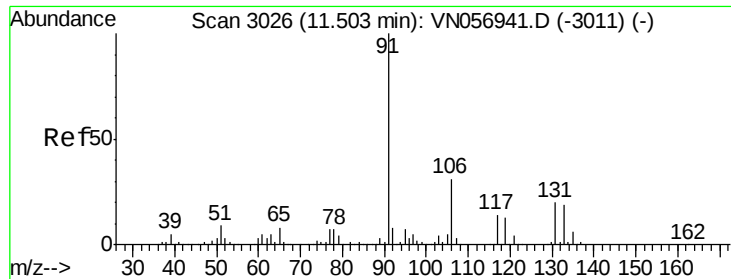
Tot Ion:112 Resp: 605254
Ion Ratio Lower Upper
112 100
114 31.9 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 52.832 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Tgt Ion:131 Resp: 238211
Ion Ratio Lower Upper
131 100
133 95.0 48.0 144.0
119 65.0 33.2 99.6

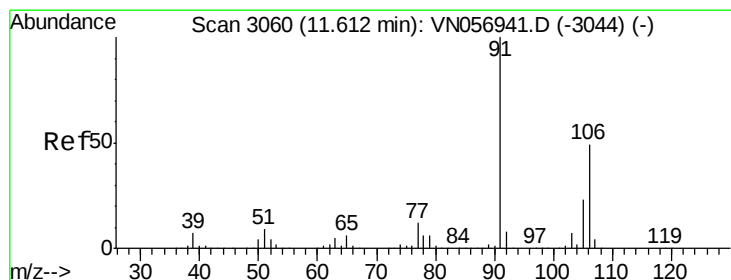
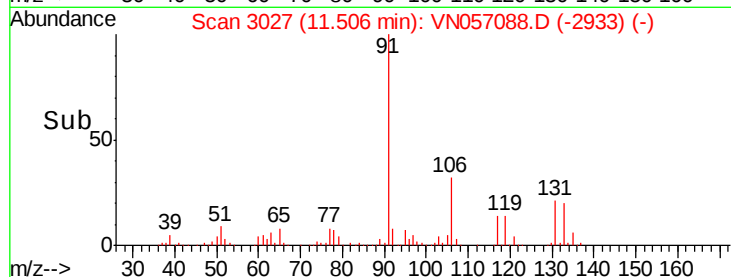
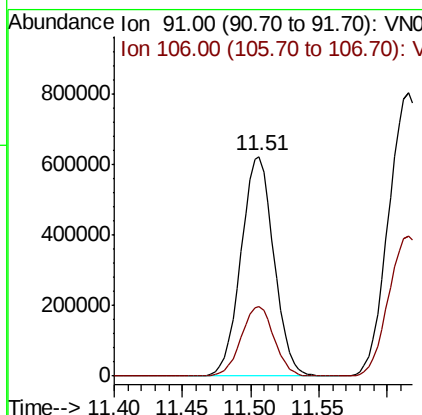
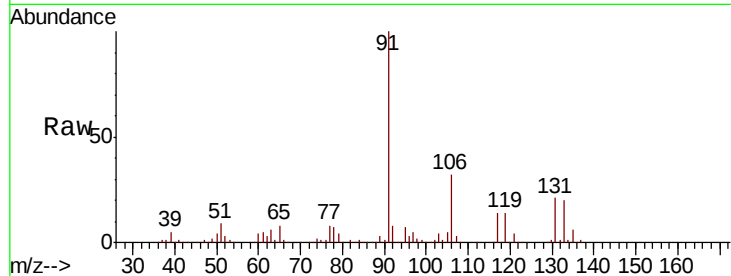




#67
Ethyl Benzene
Concen: 50.337 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

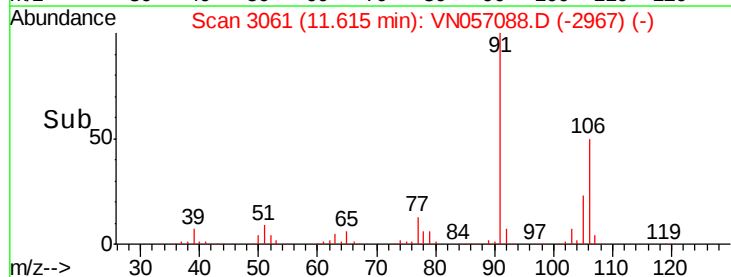
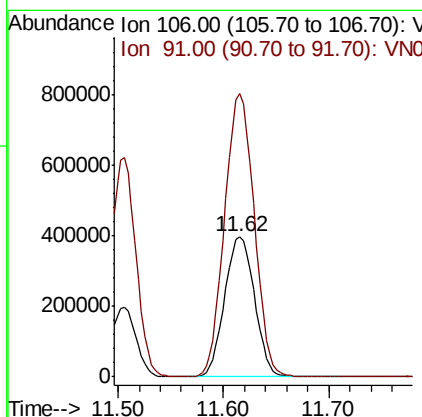
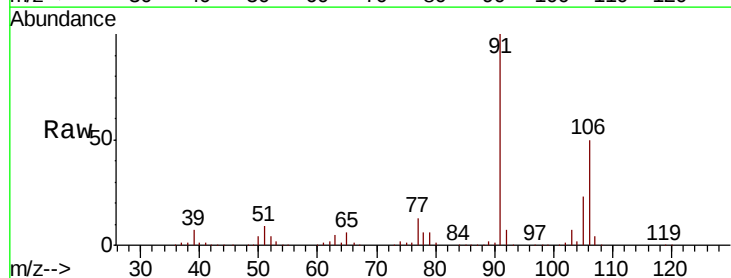
Instrument :
MSVOA_N
ClientSampled :

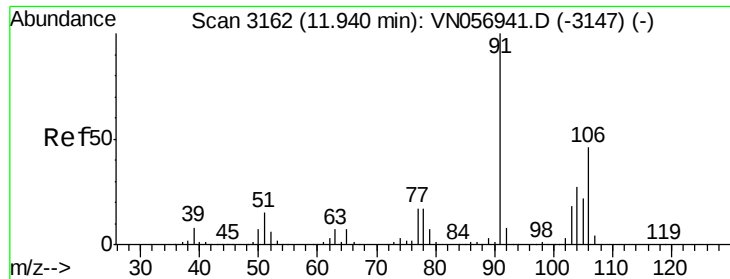
Tot Ion: 91 Resp: 1042194
Ion Ratio Lower Upper
91 100
106 31.7 25.1 37.7



#68
m/p-Xylenes
Concen: 102.365 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Tgt Ion: 106 Resp: 782175
Ion Ratio Lower Upper
106 100
91 200.3 160.0 240.0

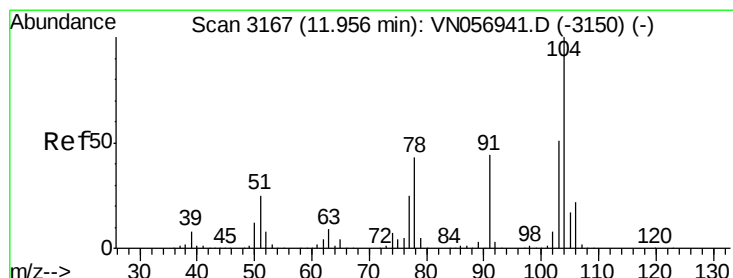
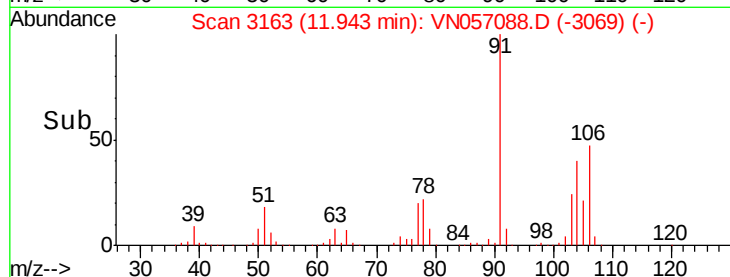
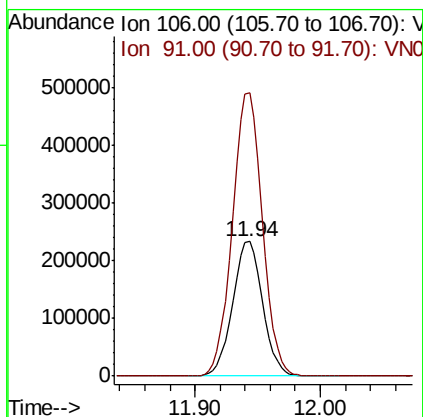
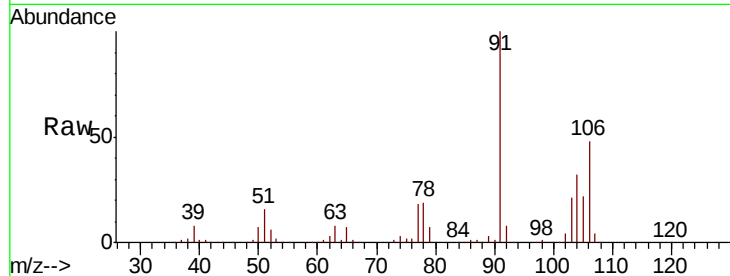




#69
o-Xylene
Concen: 51.689 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

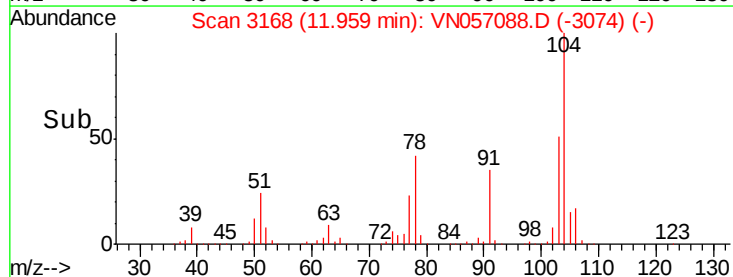
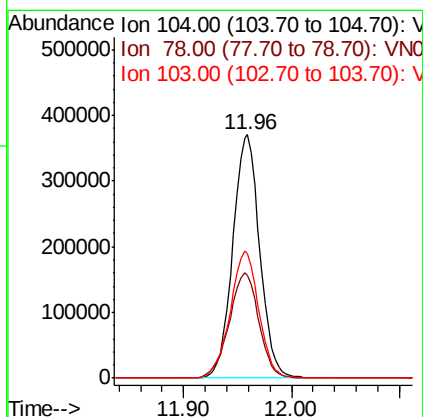
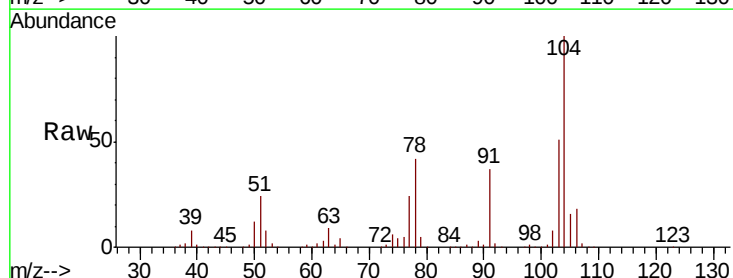
Instrument :
MSVOA_N
ClientSampled :

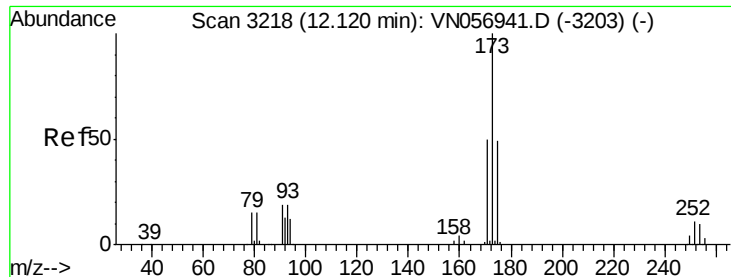
Tot Ion:106 Resp: 386404
Ion Ratio Lower Upper
106 100
91 210.5 106.2 318.6



#70
Styrene
Concen: 48.475 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Tgt Ion:104 Resp: 639731
Ion Ratio Lower Upper
104 100
78 47.7 38.1 57.1
103 55.7 44.3 66.5





#71

Bromoform

Concen: 56.311 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Instrument :

MSVOA_N

ClientSampleId :

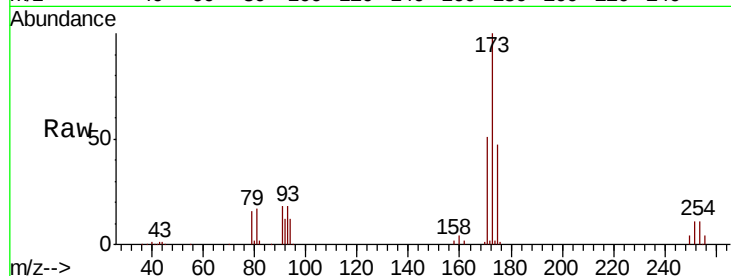
Tot Ion:173 Resp: 177264

Ion Ratio Lower Upper

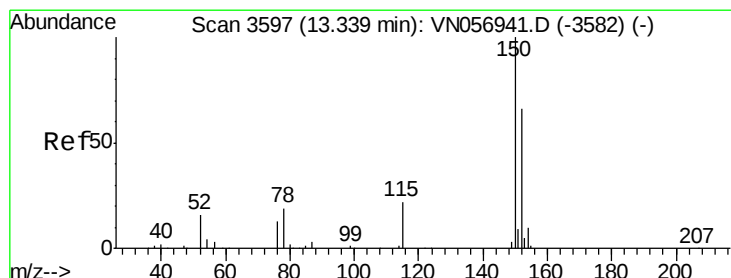
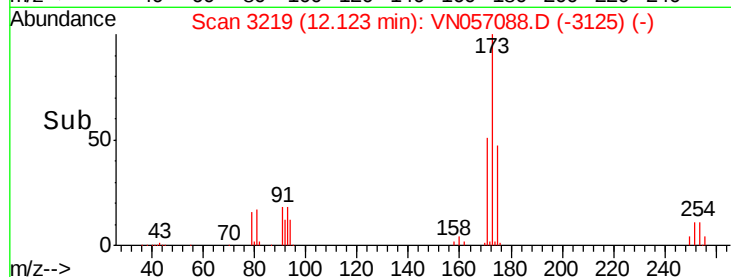
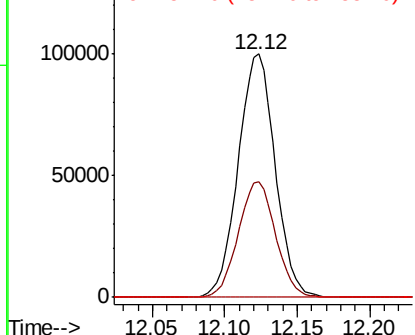
173 100

175 47.9 24.1 72.4

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: VN057088.D

Acq: 5 Aug 2019 17:34

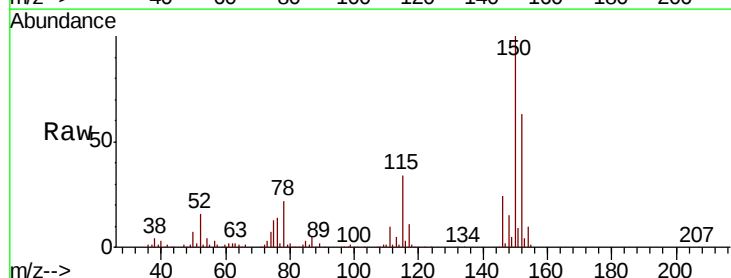
Tgt Ion:152 Resp: 246971

Ion Ratio Lower Upper

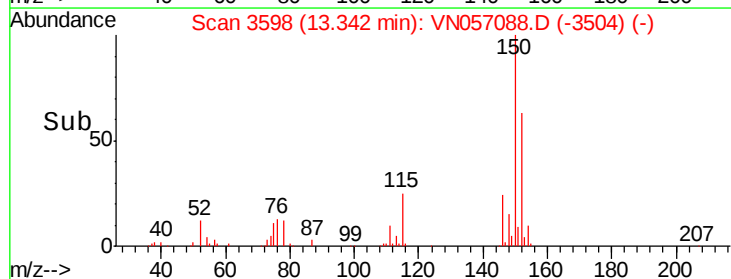
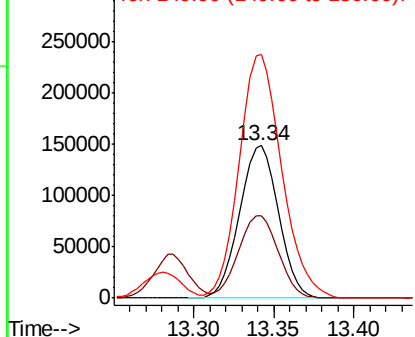
152 100

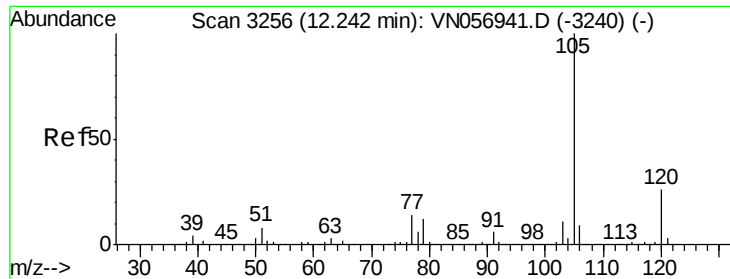
115 55.5 28.2 84.6

150 174.8 0.0 349.4



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: 48.406 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Instrument :

MSVOA_N

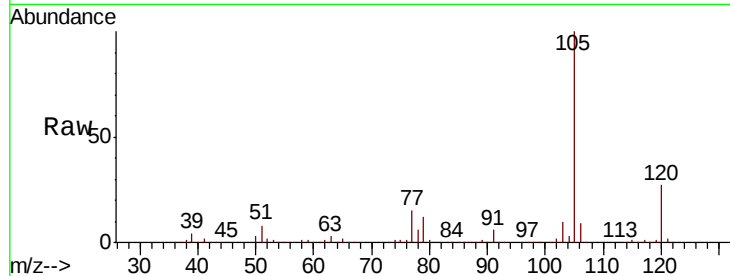
ClientSampleId :

Tot Ion:105 Resp: 1033203

Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

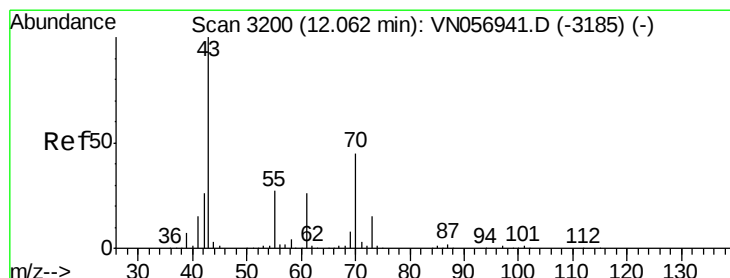
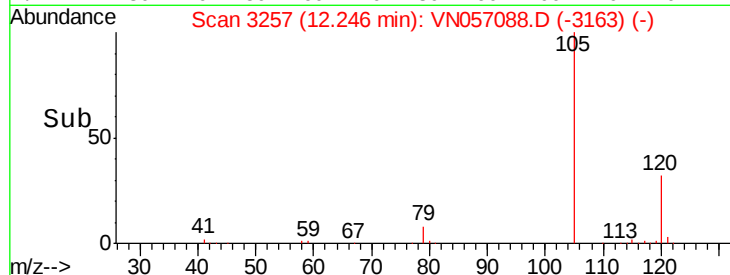
600000

400000

200000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 50.655 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Tgt Ion: 43 Resp: 313940

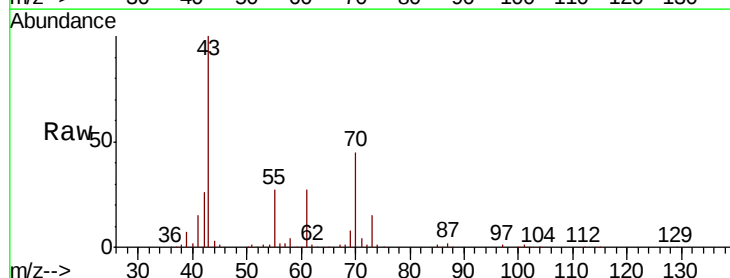
Ion Ratio Lower Upper

43 100

70 45.5 36.5 54.7

55 27.2 21.4 32.0

61 26.2 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

300000

250000

200000

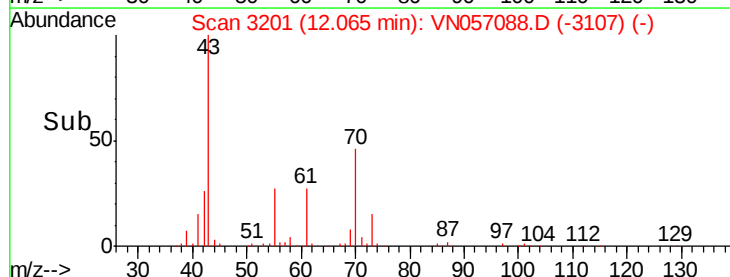
150000

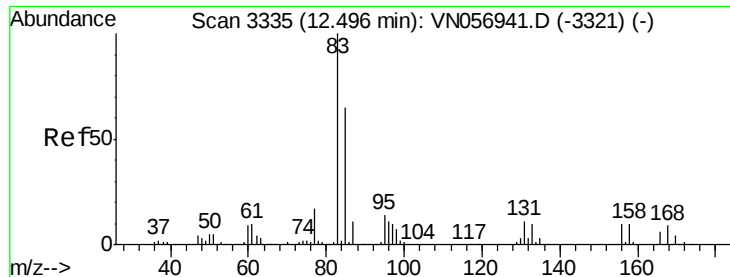
100000

50000

0

Time--> 12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 53.614 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Instrument :

MSVOA_N

ClientSampled :

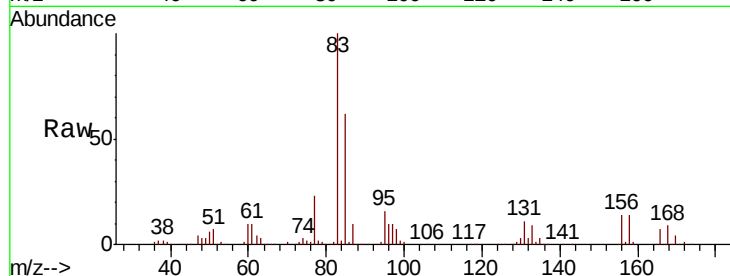
Tot Ion: 83 Resp: 288253

Ion Ratio Lower Upper

83 100

131 11.0 5.3 16.1

85 63.0 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN056941.D (-3321) (-)

Ion 130.80 (130.50 to 131.50): VN056941.D (-3321) (-)

Ion 84.90 (84.60 to 85.60): VN056941.D (-3321) (-)

12.50

150000

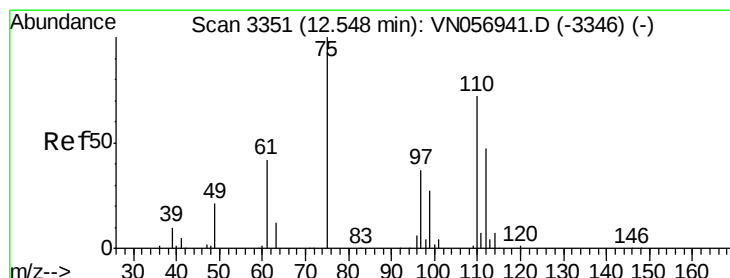
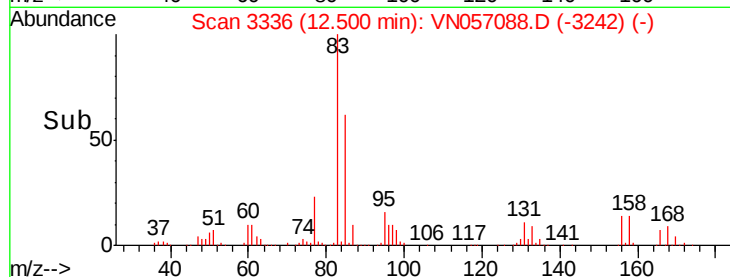
100000

50000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 70.192 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN057088.D

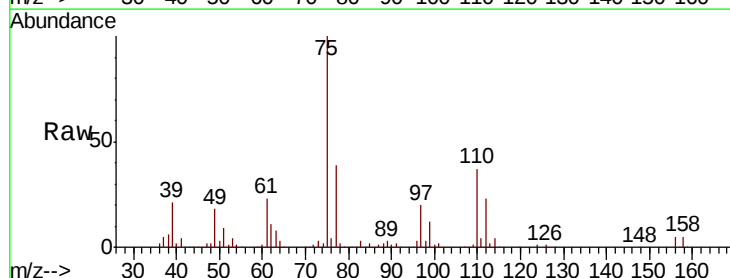
Acq: 5 Aug 2019 17:34

Tgt Ion: 75 Resp: 352053

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN056941.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN056941.D (-3346) (-)

250000

200000

150000

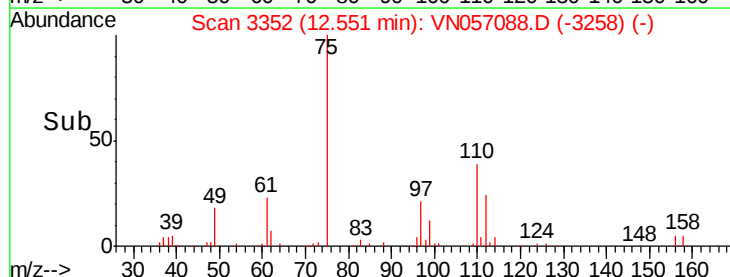
100000

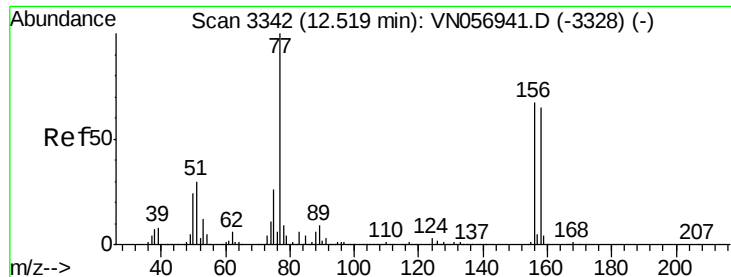
50000

0

12.40 12.50 12.60

Time-->





#77

Bromobenzene

Concen: 49.763 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Instrument :

MSVOA_N

ClientSampleId :

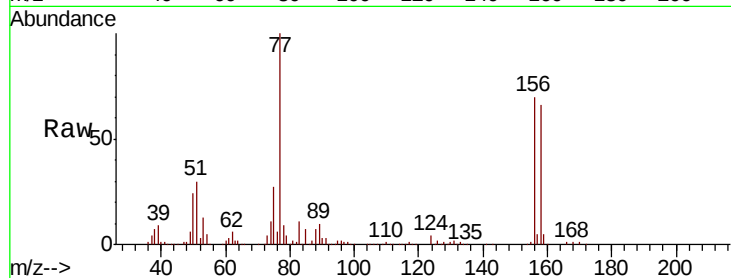
Tot Ion:156 Resp: 277216

Ion Ratio Lower Upper

156 100

77 174.8 89.5 268.5

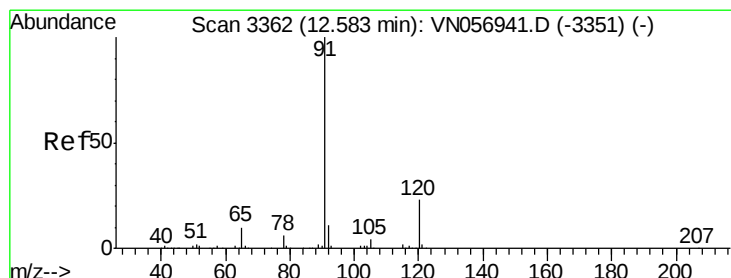
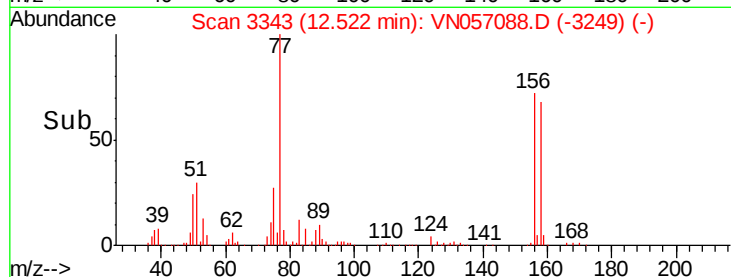
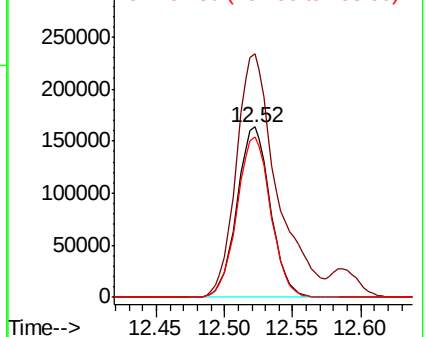
158 95.1 48.4 145.3



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: 48.886 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN057088.D

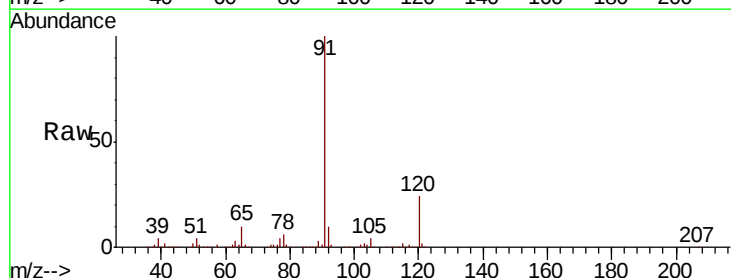
Acq: 5 Aug 2019 17:34

Tgt Ion: 91 Resp: 1114111

Ion Ratio Lower Upper

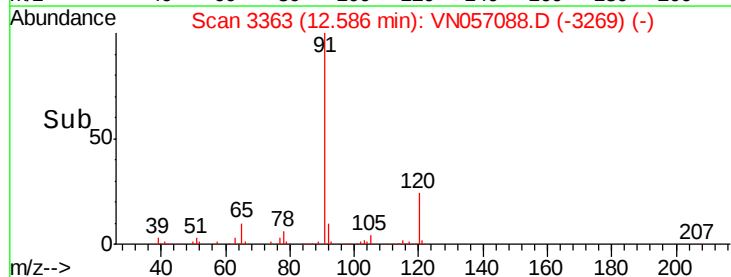
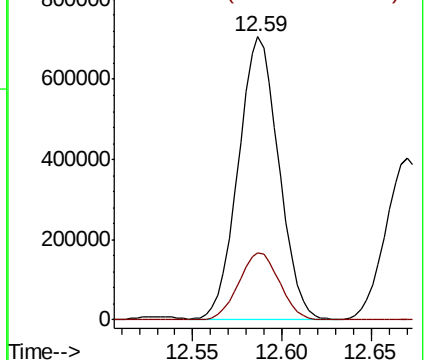
91 100

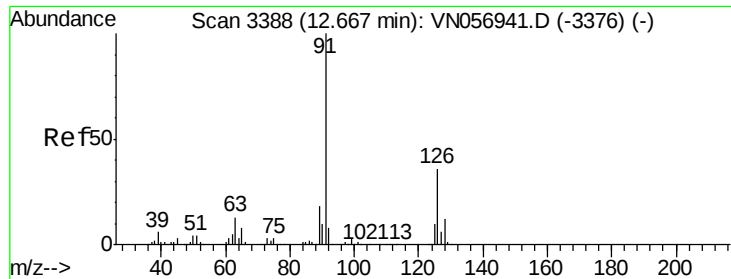
120 24.0 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.802 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Instrument :

MSVOA_N

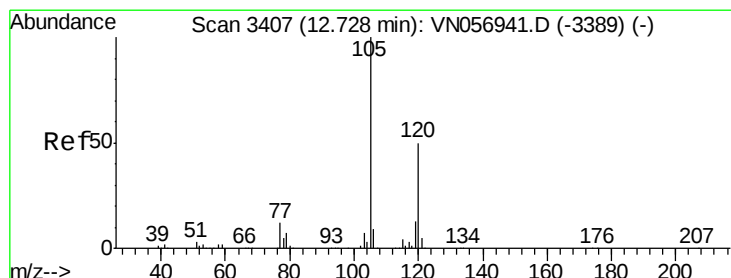
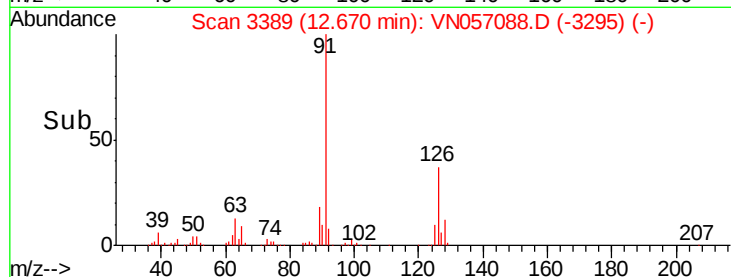
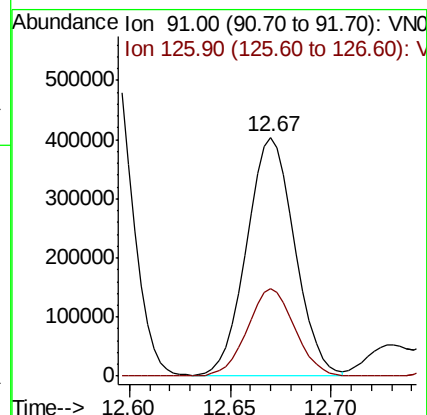
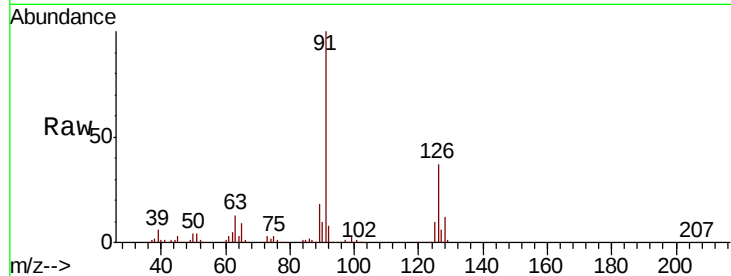
ClientSampled :

Tot Ion: 91 Resp: 670810

Ion Ratio Lower Upper

91 100

126 36.3 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 49.386 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN057088.D

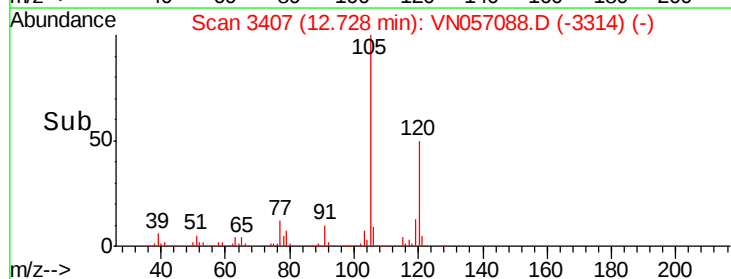
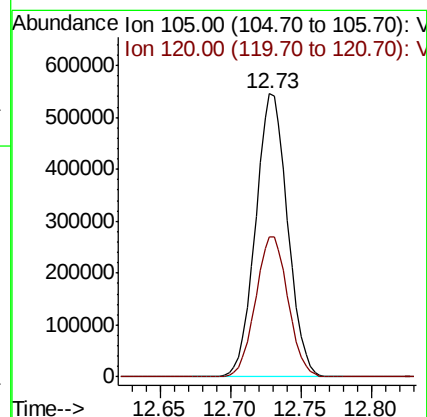
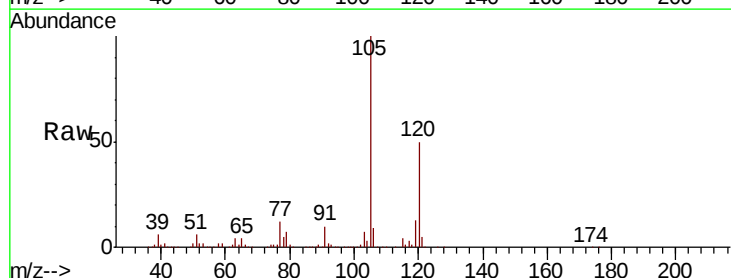
Acq: 5 Aug 2019 17:34

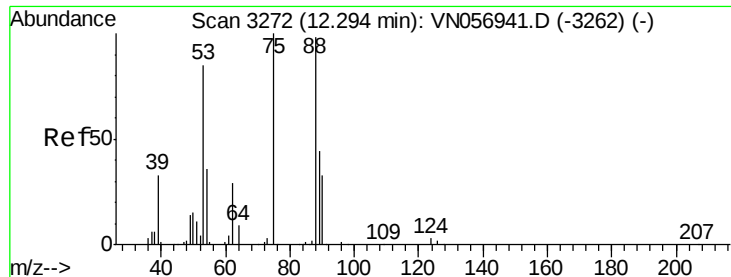
Tgt Ion:105 Resp: 865150

Ion Ratio Lower Upper

105 100

120 50.3 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 54.138 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Instrument :

MSVOA_N

ClientSampleId :

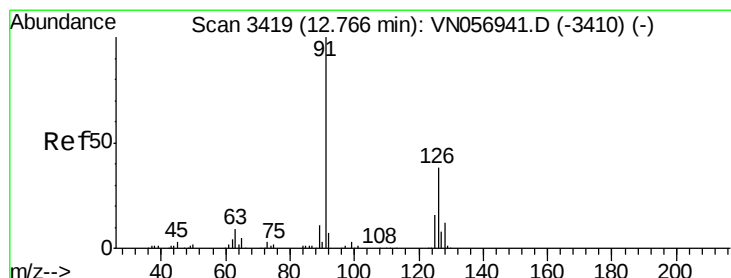
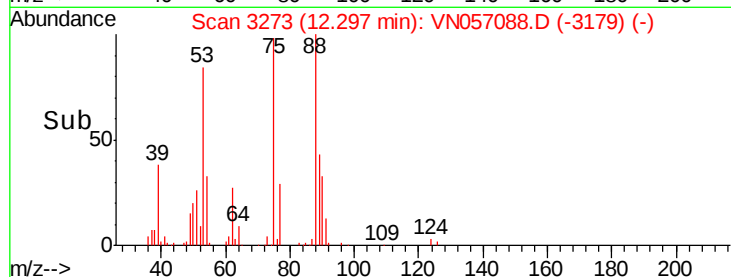
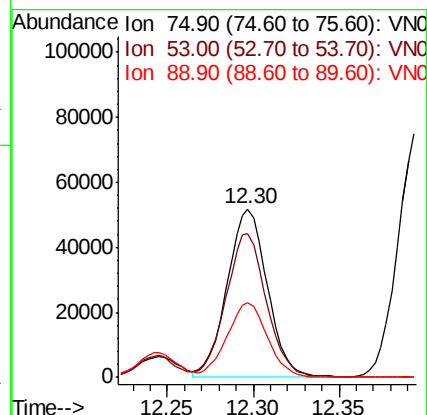
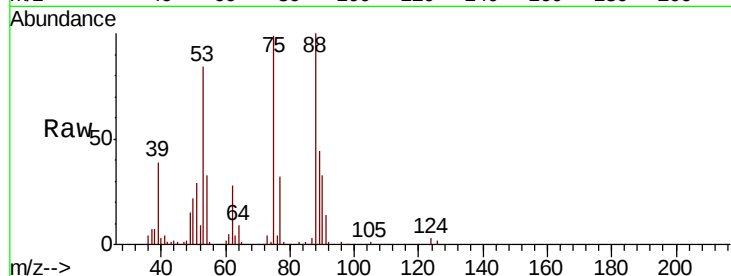
Tot Ion: 75 Resp: 84511

Ion Ratio Lower Upper

75 100

53 87.0 69.3 103.9

89 44.7 35.8 53.6



#82

4-Chlorotoluene

Concen: 49.314 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN057088.D

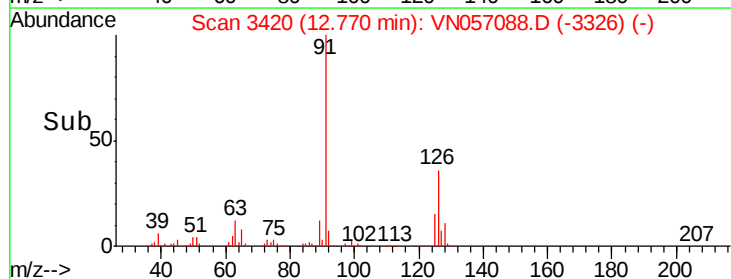
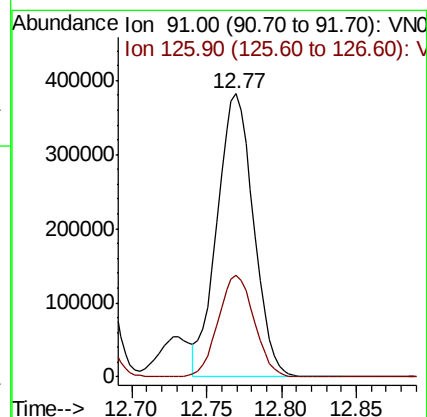
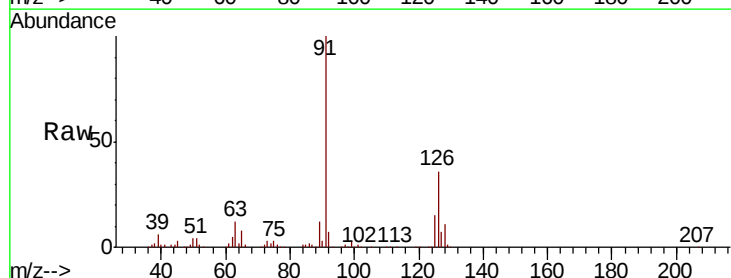
Acq: 5 Aug 2019 17:34

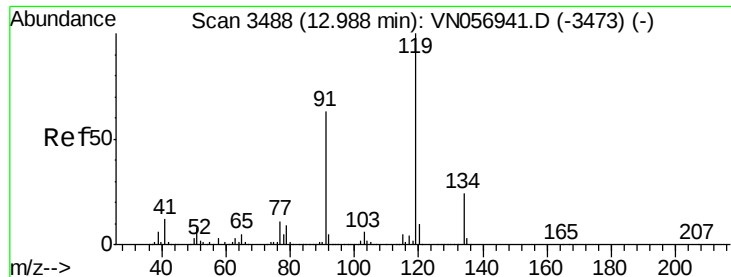
Tgt Ion: 91 Resp: 647625

Ion Ratio Lower Upper

91 100

126 35.4 17.5 52.5

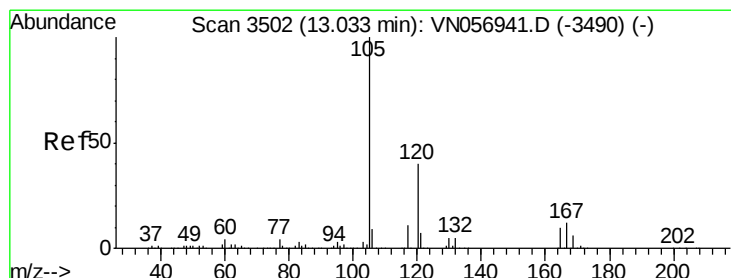
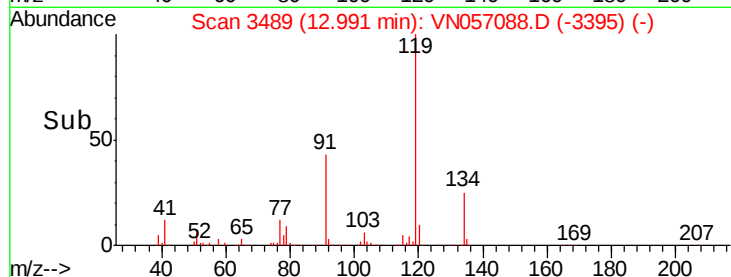
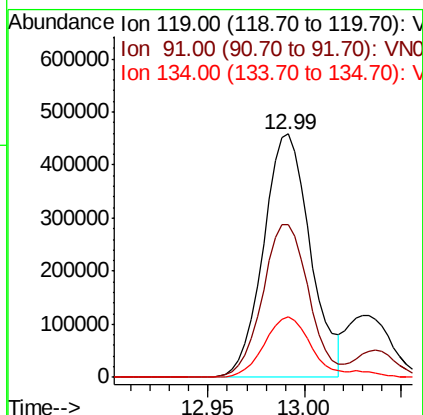
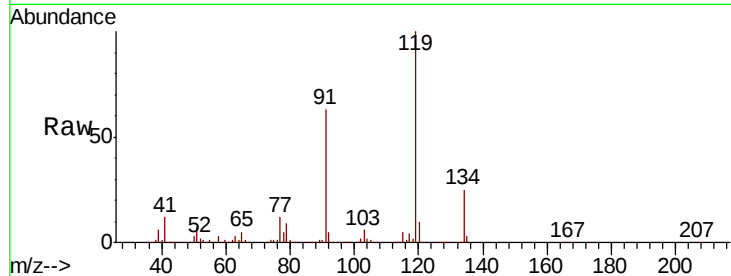




#83
 tert-Butylbenzene
 Concen: 49.775 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN057088.D
 Acq: 5 Aug 2019 17:34

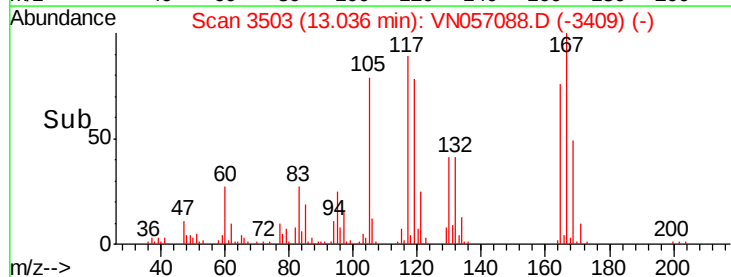
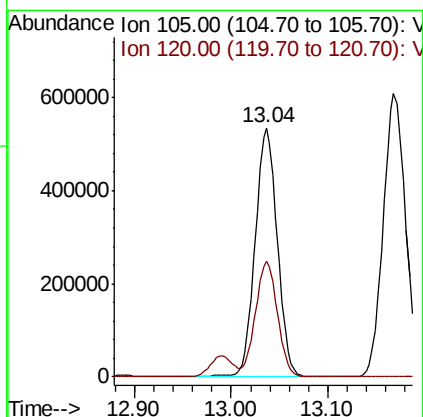
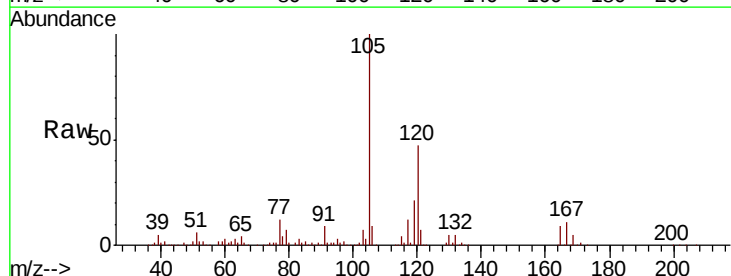
Instrument :
 MSVOA_N
 ClientSampled :

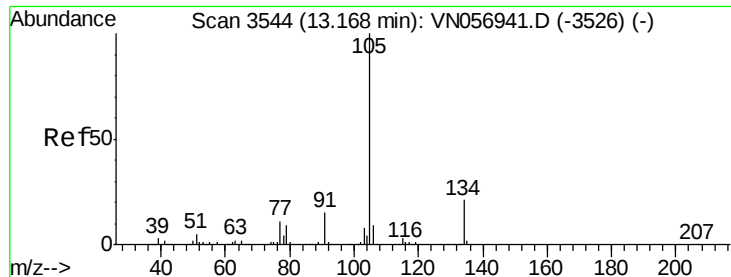
Tot Ion:119 Resp: 771895
 Ion Ratio Lower Upper
 119 100
 91 62.3 31.3 93.8
 134 26.2 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 50.440 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN057088.D
 Acq: 5 Aug 2019 17:34

Tgt Ion:105 Resp: 850205
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.2 69.6





#85

sec-Butylbenzene

Concen: 48.575 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Instrument :

MSVOA_N

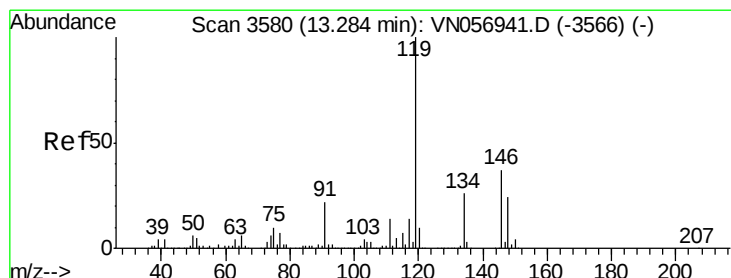
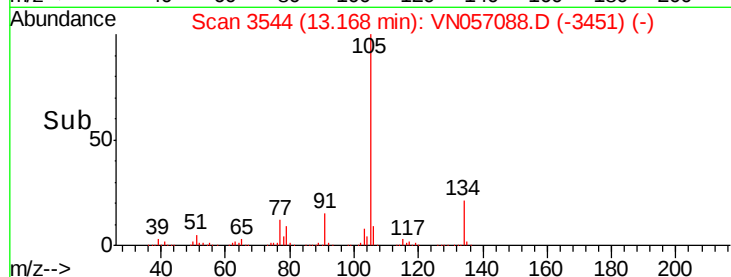
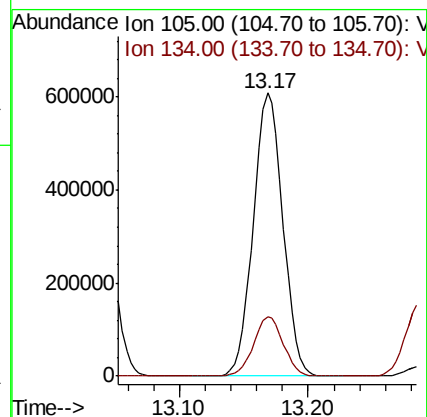
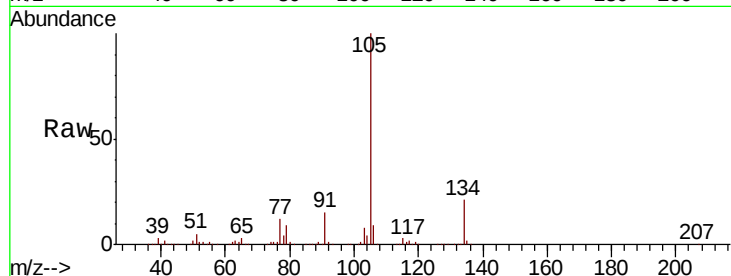
ClientSampleId :

Tot Ion:105 Resp: 971640

Ion Ratio Lower Upper

105 100

134 21.0 10.3 30.8



#86

p-Isopropyltoluene

Concen: 50.102 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

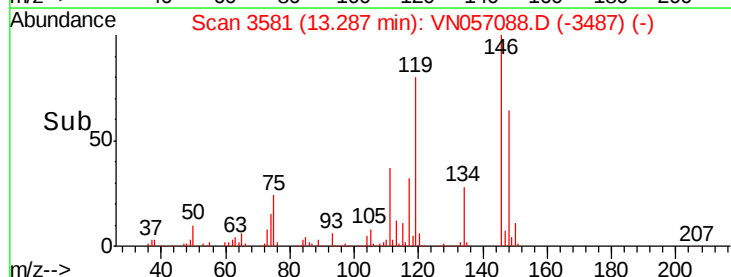
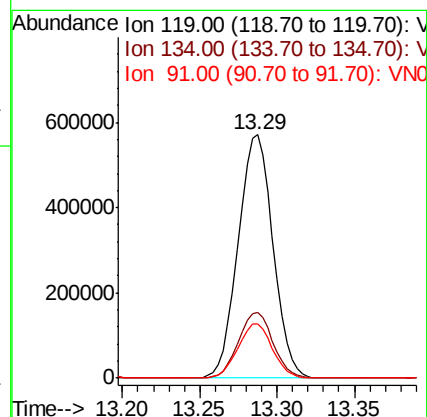
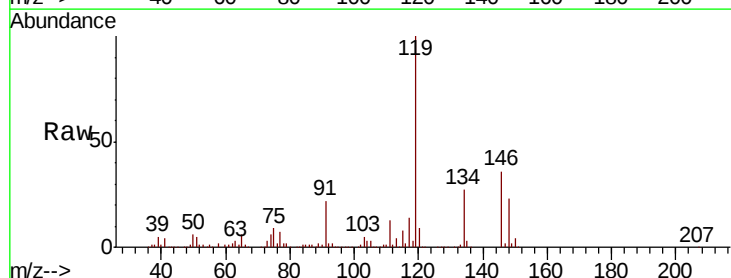
Tgt Ion:119 Resp: 889764

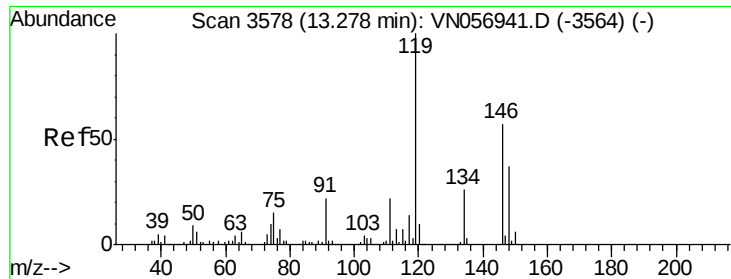
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

91 21.9 11.0 33.0

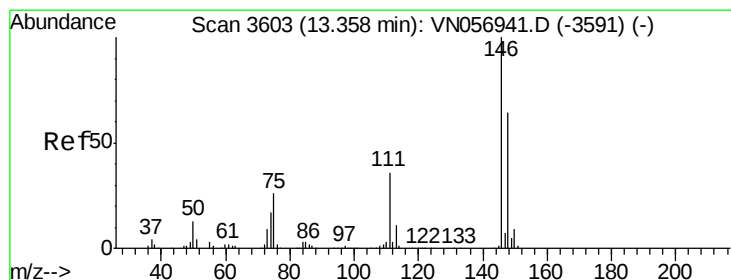
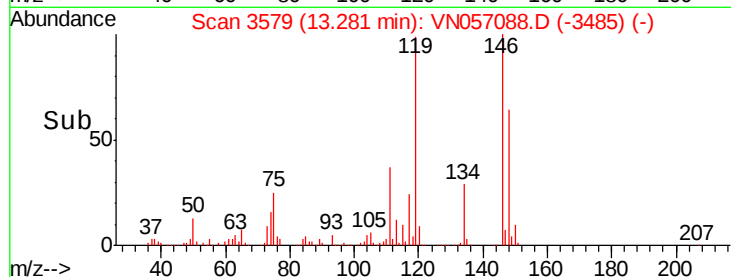
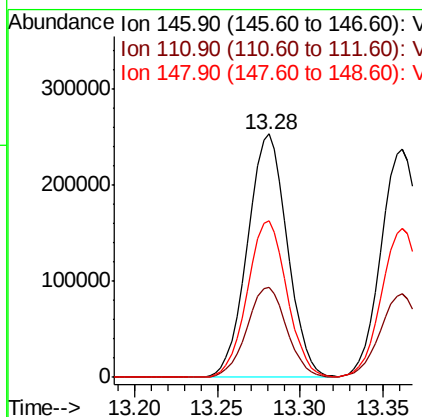
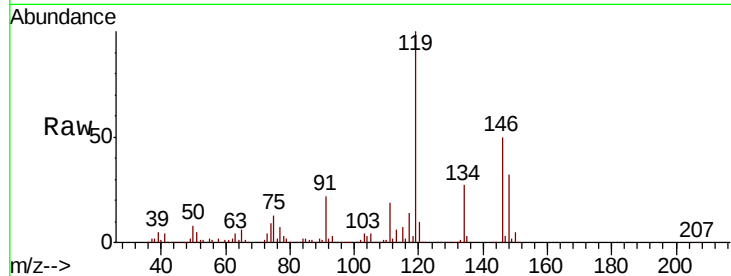




#87
 1,3-Dichlorobenzene
 Concen: 49.990 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN057088.D
 Acq: 5 Aug 2019 17:34

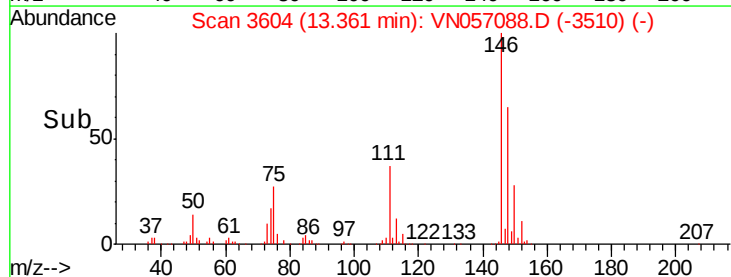
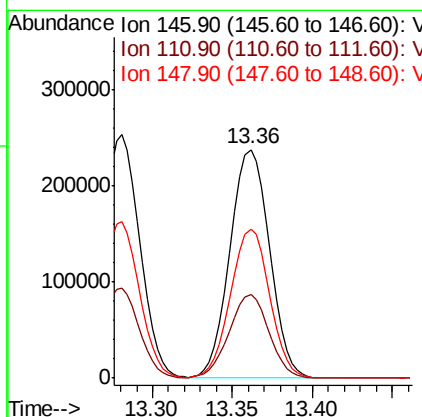
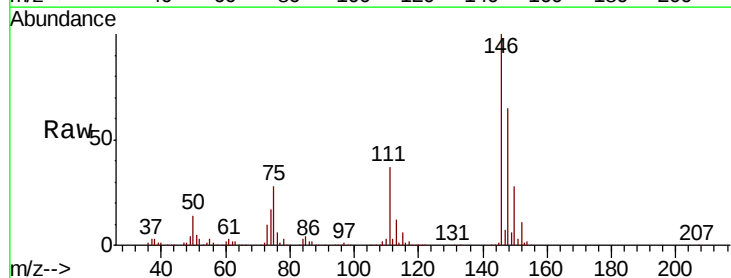
Instrument :
 MSVOA_N
 ClientSampleId :

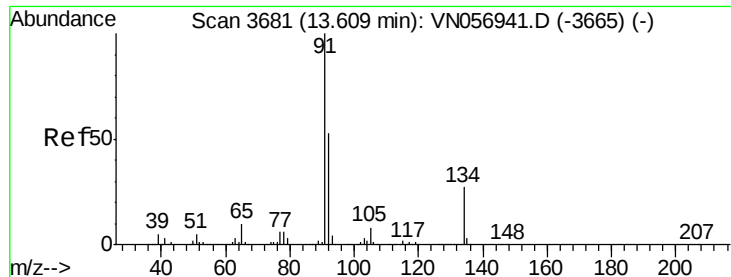
Tot Ion:146 Resp: 423605
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.6 55.8
 148 63.9 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 49.231 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN057088.D
 Acq: 5 Aug 2019 17:34

Tgt Ion:146 Resp: 401604
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.4 55.2
 148 64.4 32.3 96.9

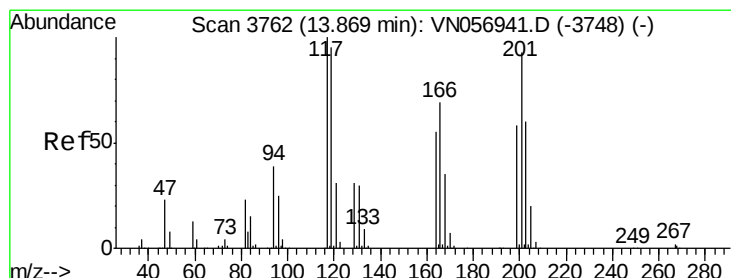
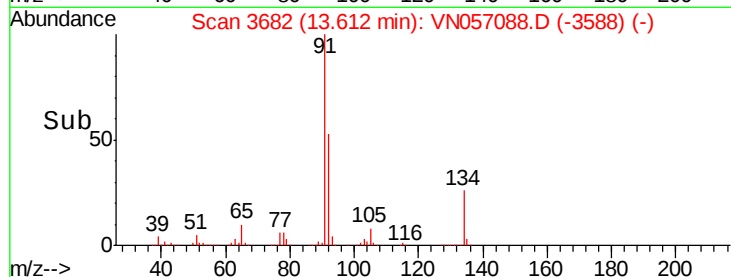
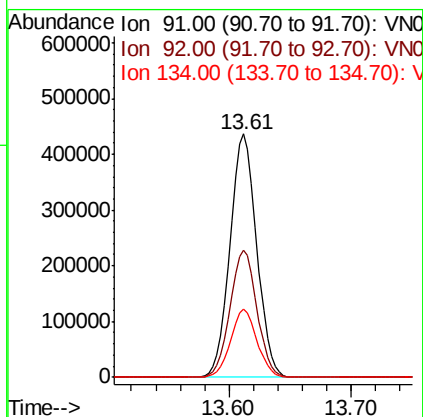
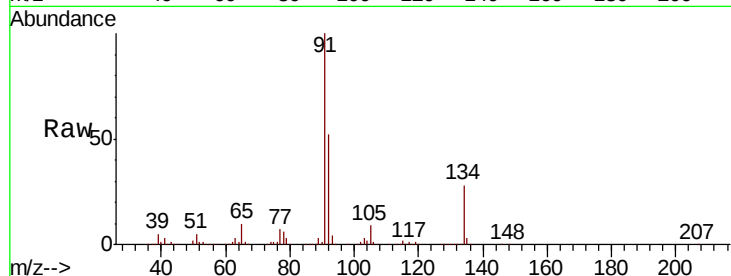




#89
n-Butylbenzene
Concen: 48.726 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

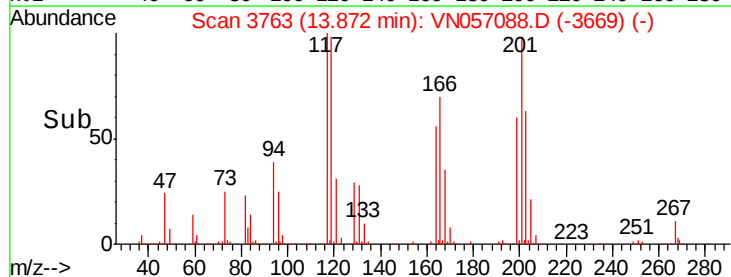
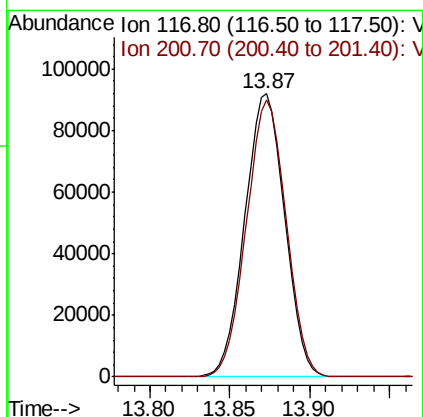
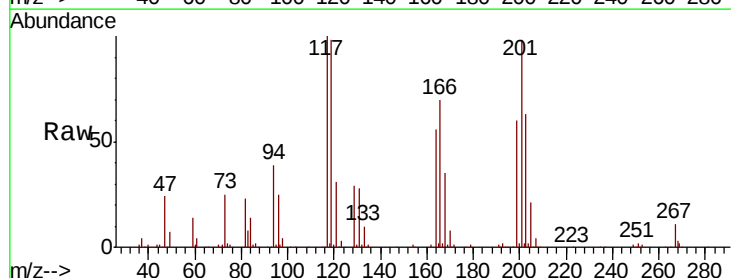
Instrument :
MSVOA_N
ClientSampled :

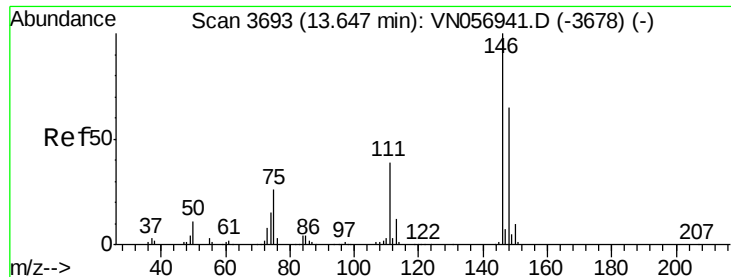
Tot Ion: 91 Resp: 666914
Ion Ratio Lower Upper
91 100
92 52.4 26.2 78.5
134 27.6 13.5 40.4



#90
Hexachloroethane
Concen: 51.457 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN057088.D
Acq: 5 Aug 2019 17:34

Tgt Ion: 117 Resp: 157353
Ion Ratio Lower Upper
117 100
201 97.2 47.0 141.2





#91

1,2-Dichlorobenzene

Concen: 50.055 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Instrument :

MSVOA_N

ClientSampleId :

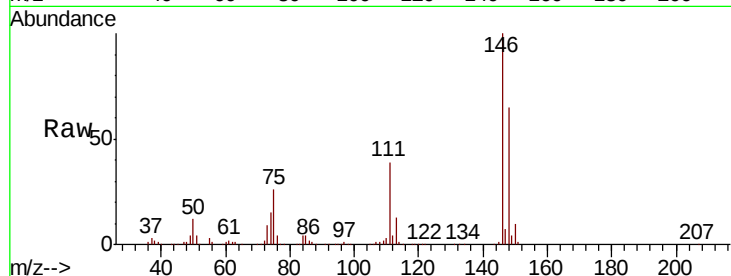
Tot Ion:146 Resp: 417449

Ion Ratio Lower Upper

146 100

111 39.4 19.4 58.4

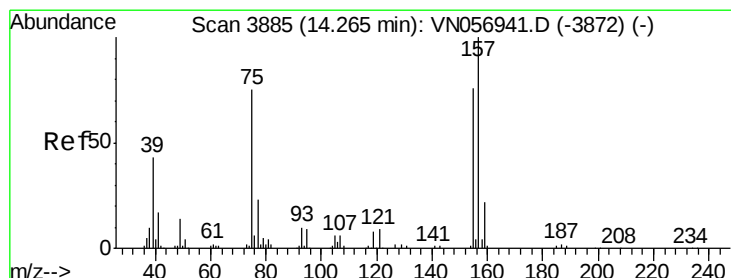
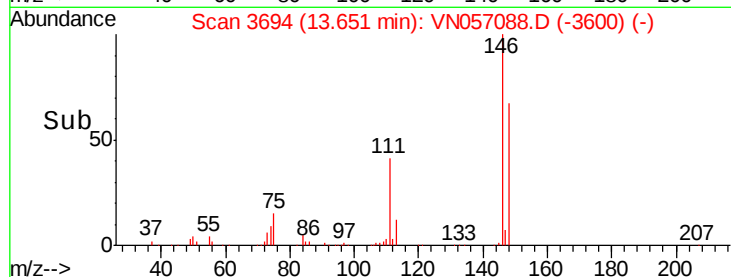
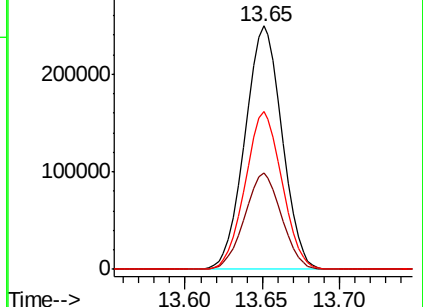
148 64.4 32.2 96.6



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.662 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

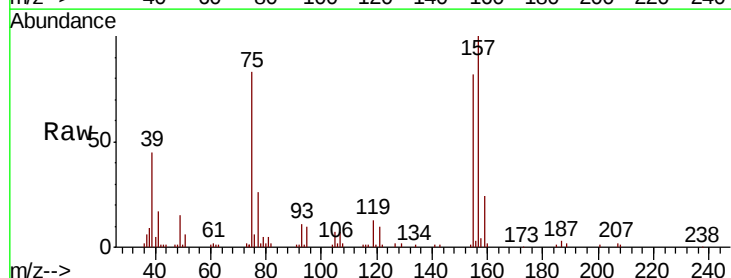
Tgt Ion: 75 Resp: 45556

Ion Ratio Lower Upper

75 100

155 103.0 50.2 150.6

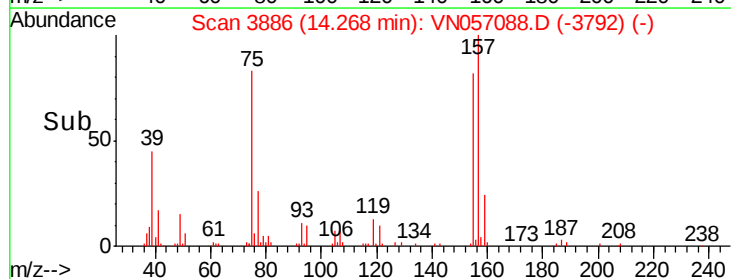
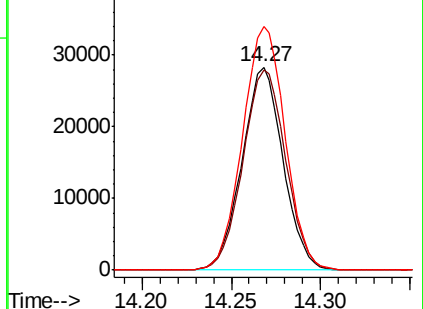
157 124.5 65.1 195.4

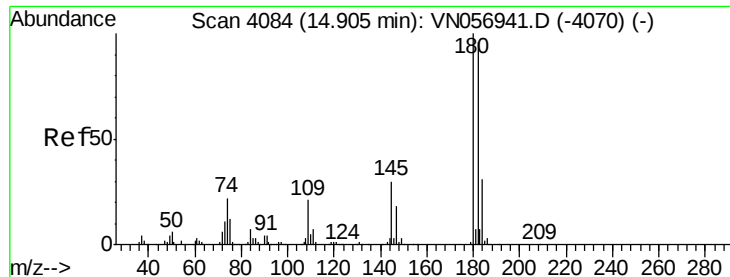


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

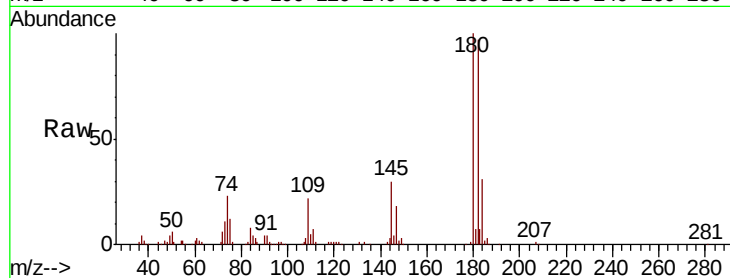




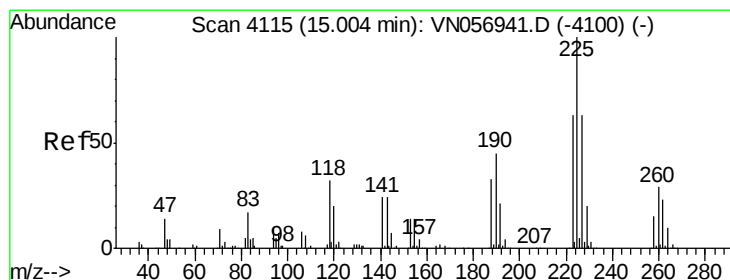
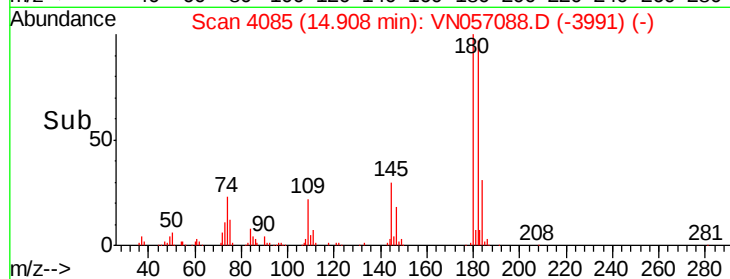
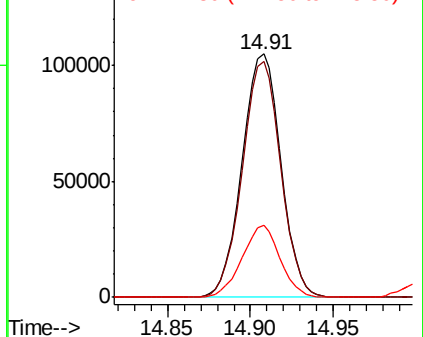
#93
 1,2,4-Trichlorobenzene
 Concen: 40.306 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN057088.D
 Acq: 5 Aug 2019 17:34

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 171018
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.6 142.8
 145 28.9 14.2 42.8

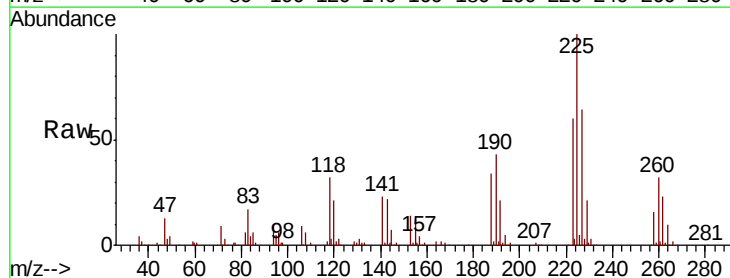


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

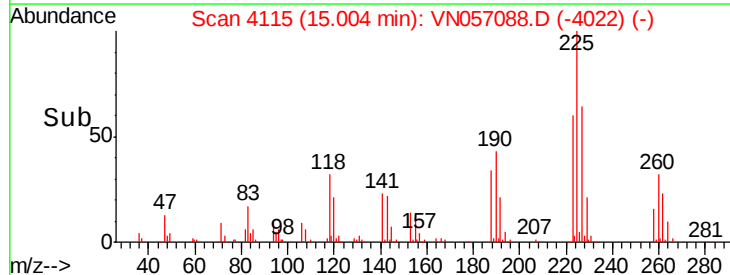
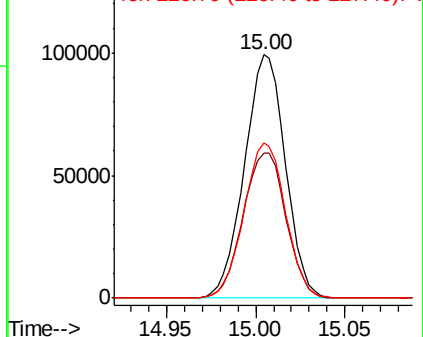


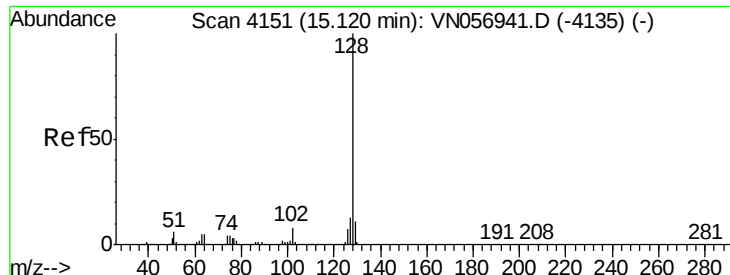
#94
 Hexachlorobutadiene
 Concen: 54.904 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN057088.D
 Acq: 5 Aug 2019 17:34

Tgt Ion:225 Resp: 158996
 Ion Ratio Lower Upper
 225 100
 223 62.7 30.8 92.4
 227 64.7 31.1 93.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 42.998 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

Instrument :

MSVOA_N

ClientSampleId :

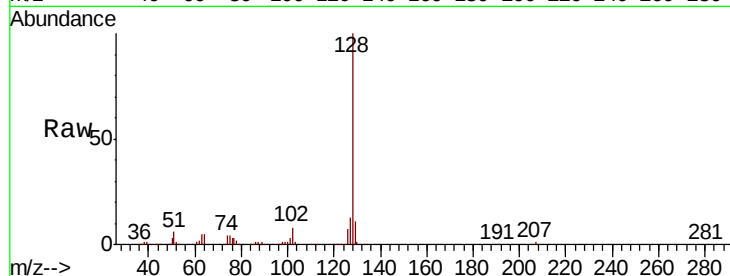
Tot Ion:128 Resp: 445521

Ion Ratio Lower Upper

128 100

127 13.0 10.0 15.0

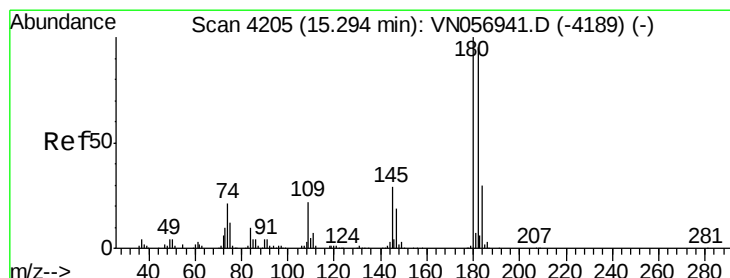
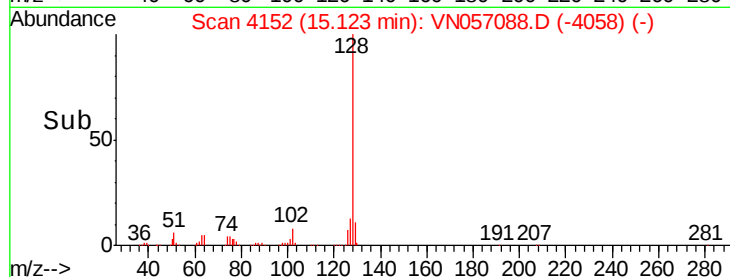
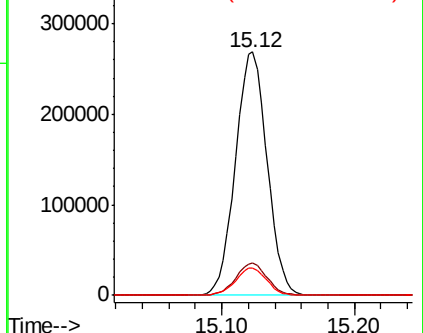
129 11.0 8.7 13.1



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: 45.315 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN057088.D

Acq: 5 Aug 2019 17:34

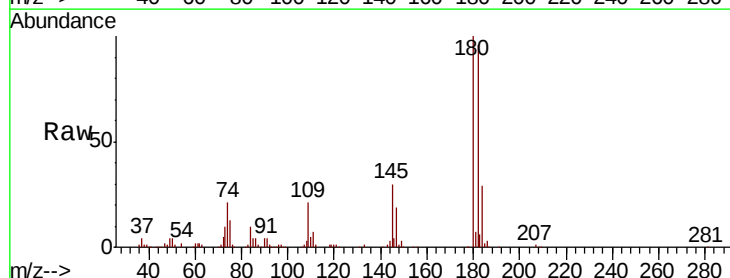
Tgt Ion:180 Resp: 196140

Ion Ratio Lower Upper

180 100

182 96.7 48.0 144.2

145 30.0 15.0 45.0



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

