

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103019\
 Data File : VN059021.D
 Acq On : 30 Oct 2019 11:38
 Operator : JC/SP
 Sample : VN1030WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 31 01:25:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	378106	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	605152	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	560599	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	260160	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	260775	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	
35) Dibromofluoromethane	7.57	113	198624	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
50) Toluene-d8	10.08	98	741215	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
62) 4-Bromofluorobenzene	12.40	95	272077	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	84539	17.933	ug/l	97
3) Chloromethane	2.04	50	109405	18.738	ug/l	100
4) Vinyl Chloride	2.17	62	111916	19.305	ug/l	98
5) Bromomethane	2.54	94	65623	18.077	ug/l	98
6) Chloroethane	2.69	64	69926	18.809	ug/l	100
7) Trichlorofluoromethane	3.00	101	137871	19.221	ug/l	100
8) Diethyl Ether	3.39	74	54636	22.041	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	82668	20.789	ug/l	98
10) Methyl Iodide	3.93	142	96915	18.530	ug/l	99
11) Tert butyl alcohol	4.75	59	104337	113.378	ug/l	98
12) 1,1-Dichloroethene	3.72	96	77314	20.742	ug/l	94
13) Acrolein	3.58	56	36519	57.755	ug/l	95
14) Allyl chloride	4.30	41	156358	20.730	ug/l	96
15) Acrylonitrile	4.96	53	266806	115.260	ug/l	99
16) Acetone	3.79	43	280494	102.360	ug/l	100
17) Carbon Disulfide	4.03	76	211184	17.588	ug/l	99
18) Methyl Acetate	4.30	43	146894	23.578	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	283689	21.736	ug/l	97
20) Methylene Chloride	4.53	84	95770	20.468	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	82865	20.130	ug/l	96
22) Diisopropyl ether	5.93	45	326465	22.129	ug/l	98
23) Vinyl Acetate	5.87	43	1334856	112.618	ug/l	99
24) 1,1-Dichloroethane	5.82	63	176476	20.630	ug/l	100
25) 2-Butanone	6.81	43	383699	107.867	ug/l	99
26) 2,2-Dichloropropane	6.80	77	153190	20.703	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	98592	20.966	ug/l	99
28) Bromochloromethane	7.17	49	59344	20.830	ug/l	96
29) Tetrahydrofuran	7.19	42	239989	110.287	ug/l	99
30) Chloroform	7.35	83	171197	19.951	ug/l	99
31) Cyclohexane	7.63	56	151650	19.029	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	146733	20.287	ug/l	99
36) 1,1-Dichloropropene	7.77	75	124400	20.079	ug/l	100
37) Ethyl Acetate	6.91	43	150430	22.284	ug/l	99
38) Carbon Tetrachloride	7.76	117	127349	19.953	ug/l	98

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 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 31 01:25:51 2019
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	134978	19.403	ug/l	97
40) Benzene	8.02	78	377631	20.757	ug/l	98
41) Methacrylonitrile	7.19	41	217766	72.428	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	140054	19.984	ug/l	99
43) Isopropyl Acetate	8.15	43	233902	21.604	ug/l	99
44) Trichloroethene	8.82	130	92477	20.867	ug/l	98
45) 1,2-Dichloropropane	9.10	63	106018	21.251	ug/l	98
46) Dibromomethane	9.19	93	65687	20.828	ug/l	98
47) Bromodichloromethane	9.39	83	137249	21.115	ug/l	100
48) Methyl methacrylate	9.19	41	103408	21.052	ug/l	97
49) 1,4-Dioxane	9.19	88	35323	438.057	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	748044	118.290	ug/l	99
52) Toluene	10.15	92	229081	21.233	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	152230	21.155	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	162641	21.156	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	94459	21.253	ug/l	99
56) Ethyl methacrylate	10.43	69	140501	20.128	ug/l	97
57) 1,3-Dichloropropane	10.70	76	166820	21.386	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	301404	99.104	ug/l	99
59) 2-Hexanone	10.75	43	564671	115.555	ug/l	100
60) Dibromochloromethane	10.90	129	101228	21.161	ug/l	100
61) 1,2-Dibromoethane	11.00	107	95300	20.953	ug/l	99
64) Tetrachloroethene	10.63	164	78931	20.104	ug/l	98
65) Chlorobenzene	11.43	112	240475	21.070	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	94389	21.916	ug/l	98
67) Ethyl Benzene	11.51	91	434993	21.727	ug/l	98
68) m/p-Xylenes	11.62	106	319754	43.066	ug/l	99
69) o-Xylene	11.95	106	152411	21.523	ug/l	99
70) Styrene	11.97	104	249517	20.149	ug/l	98
71) Bromoform	12.13	173	72454	21.695	ug/l #	98
73) Isopropylbenzene	12.25	105	417486	21.958	ug/l	99
74) N-amyl acetate	12.07	43	189177	21.947	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	149478	22.359	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	196759	32.633	ug/l #	100
77) Bromobenzene	12.53	156	101571	21.674	ug/l	98
78) n-propylbenzene	12.59	91	484696	21.567	ug/l	100
79) 2-Chlorotoluene	12.68	91	293189	21.315	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	349745	21.894	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	50689	21.900	ug/l	98
82) 4-Chlorotoluene	12.78	91	295726	21.038	ug/l	99
83) tert-Butylbenzene	13.00	119	300129	21.971	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	348437	22.114	ug/l	98
85) sec-Butylbenzene	13.18	105	400324	21.981	ug/l	98
86) p-Isopropyltoluene	13.29	119	358141	22.287	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	180199	21.505	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	174756	20.830	ug/l	98
89) n-Butylbenzene	13.62	91	307835	20.853	ug/l	99
90) Hexachloroethane	13.88	117	70930	21.783	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	177745	21.582	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31061	20.542	ug/l	96

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Quant Title : SW846 8260
QLast Update : Sat Oct 19 00:16:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	95747	20.057	ug/l	97
94) Hexachlorobutadiene	15.01	225	56516	21.172	ug/l	98
95) Naphthalene	15.13	128	260857	18.951	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	95932	20.490	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

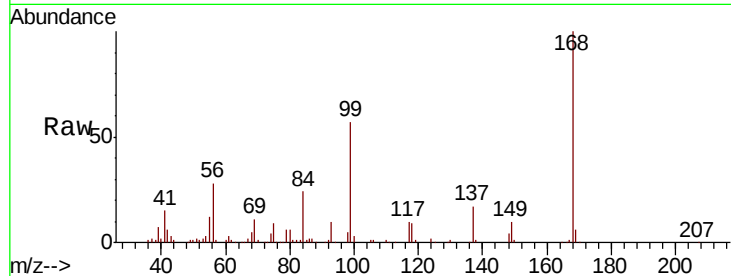
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 378106

Ion Ratio Lower Upper

168 100

99 57.2 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

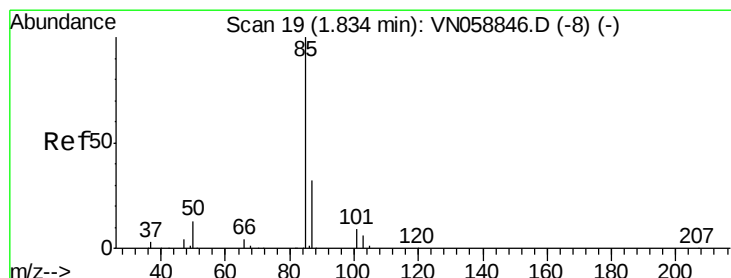
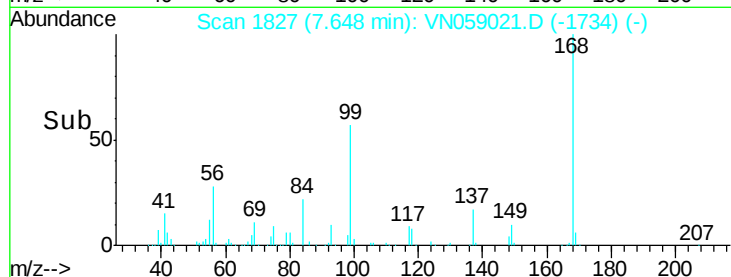
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 17.933 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059021.D

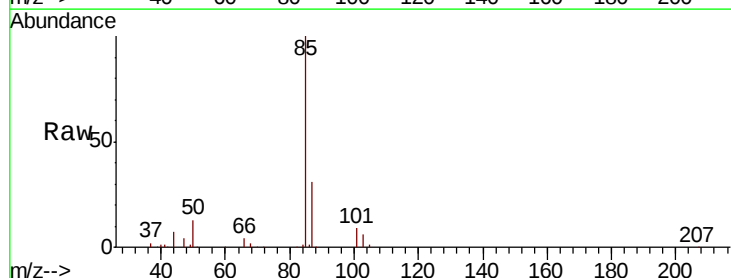
Acq: 30 Oct 2019 11:38

Tgt Ion: 85 Resp: 84539

Ion Ratio Lower Upper

85 100

87 30.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

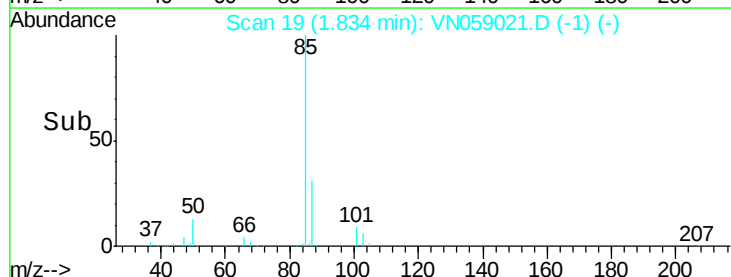
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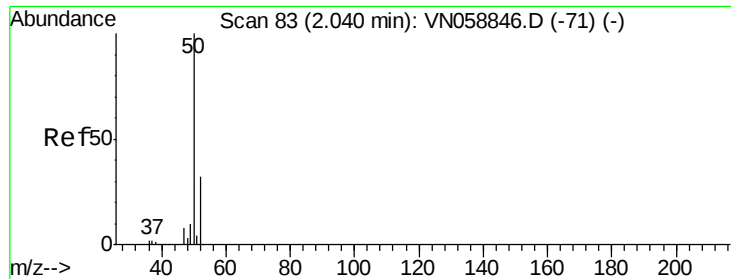
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.738 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

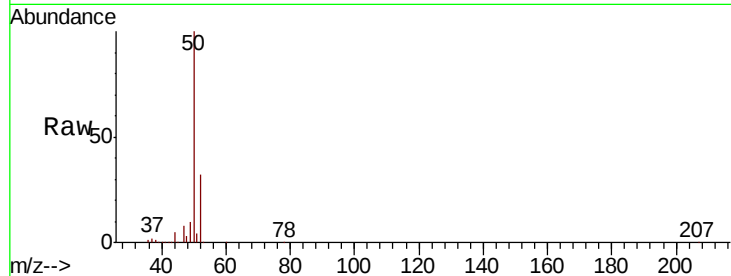
ClientSampleId :

Tot Ion: 50 Resp: 109405

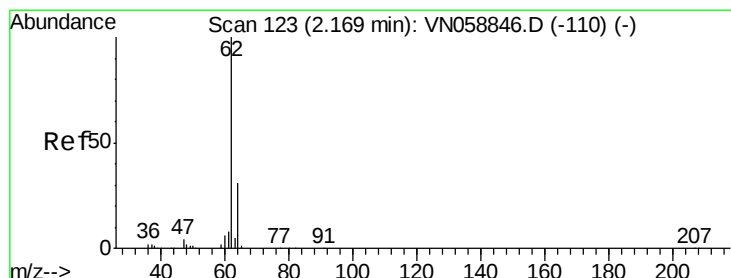
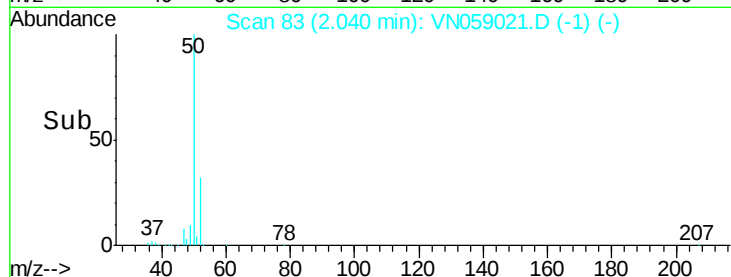
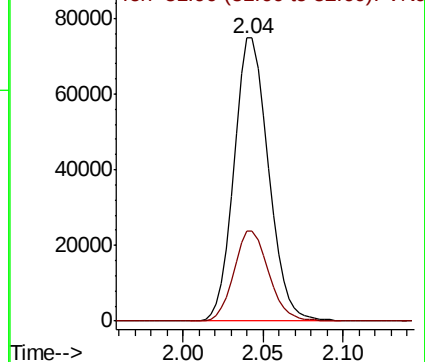
Ion Ratio Lower Upper

50 100

52 31.9 25.7 38.5



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



#4

Vinyl Chloride

Concen: 19.305 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059021.D

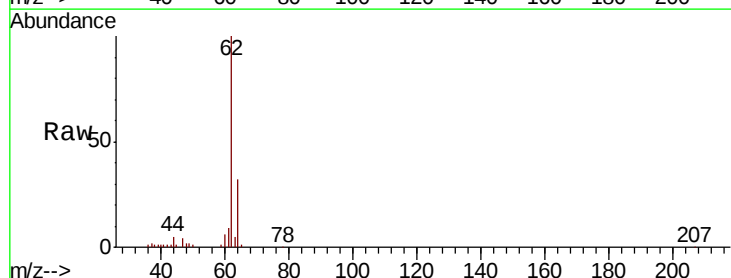
Acq: 30 Oct 2019 11:38

Tgt Ion: 62 Resp: 111916

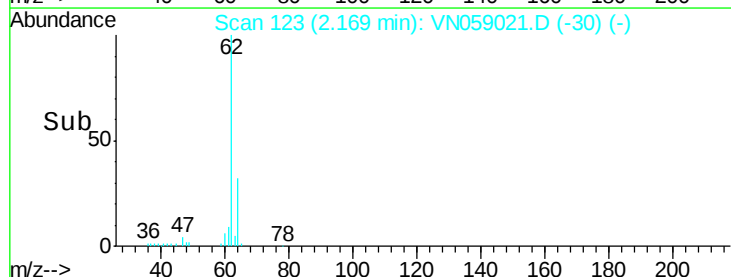
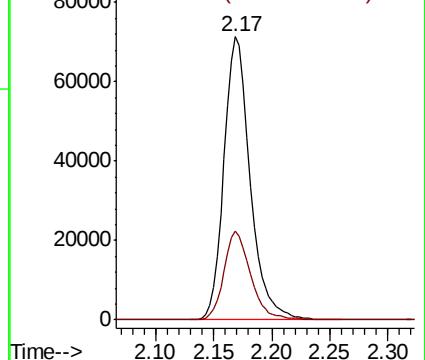
Ion Ratio Lower Upper

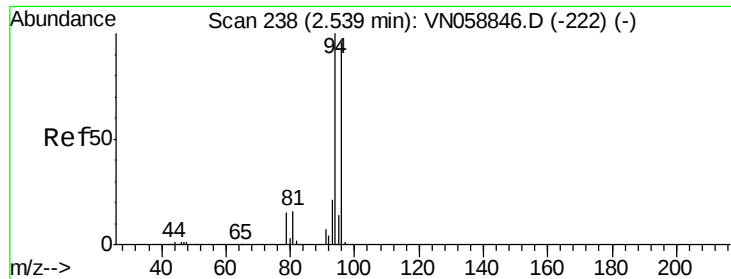
62 100

64 31.6 24.6 36.8



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





#5

Bromomethane

Concen: 18.077 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

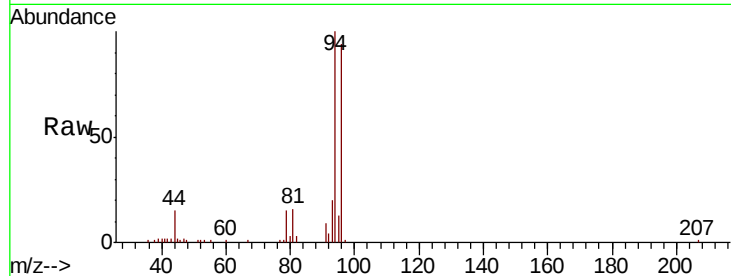
ClientSampleId :

Tot Ion: 94 Resp: 65623

Ion Ratio Lower Upper

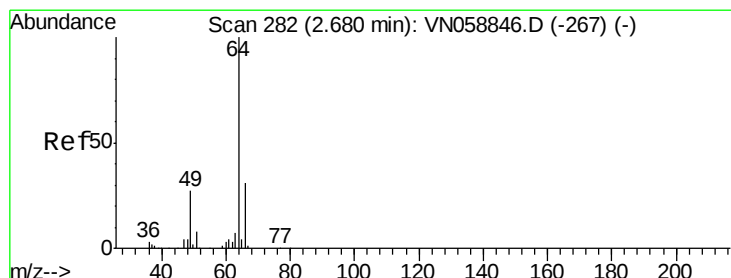
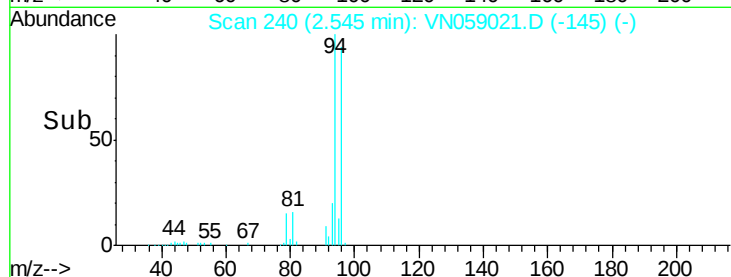
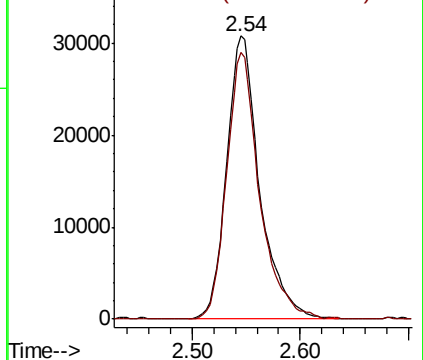
94 100

96 94.2 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.809 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN059021.D

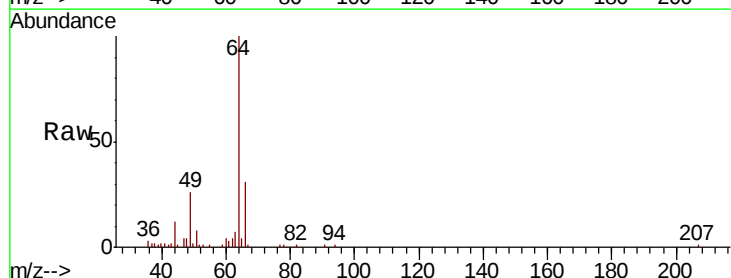
Acq: 30 Oct 2019 11:38

Tgt Ion: 64 Resp: 69926

Ion Ratio Lower Upper

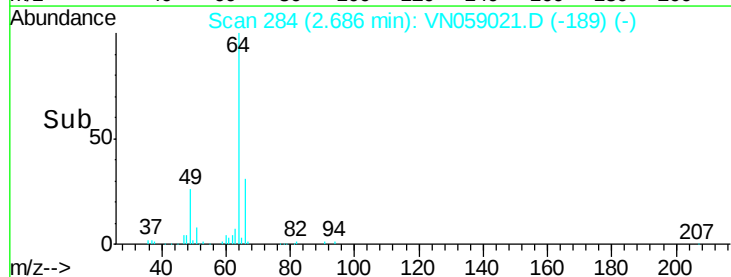
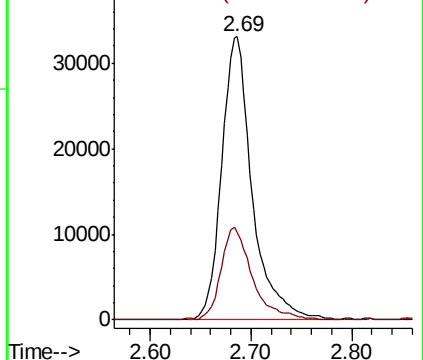
64 100

66 30.9 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



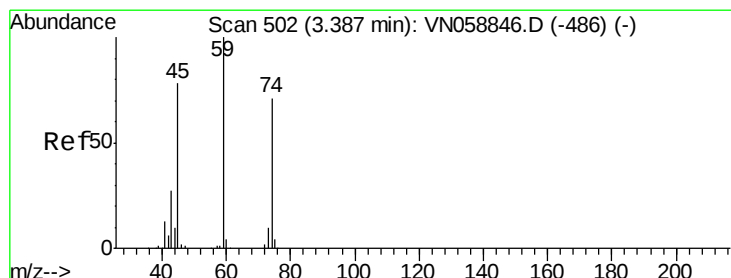
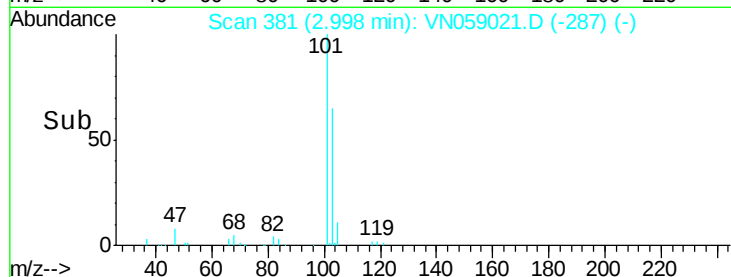
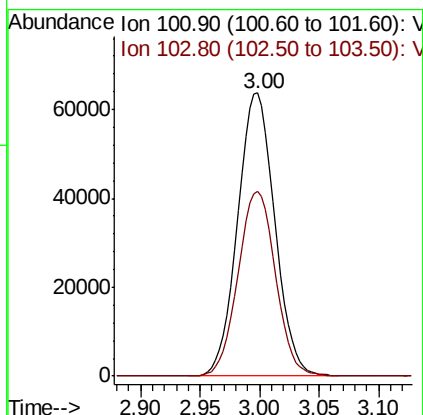
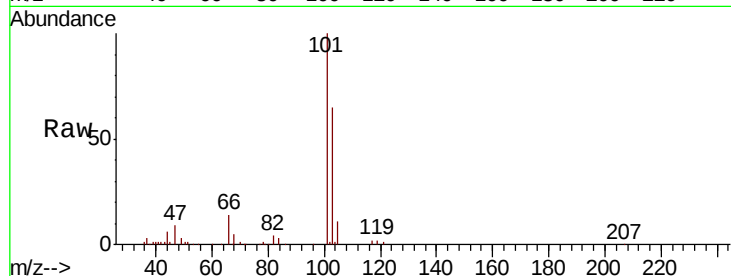


#7

Trichlorofluoromethane
Concen: 19.221 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Instrument :
MSVOA_N
ClientSampleId :

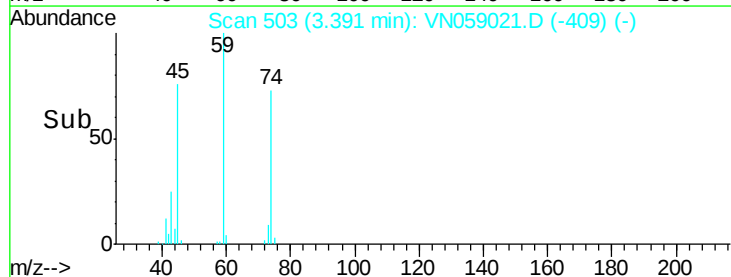
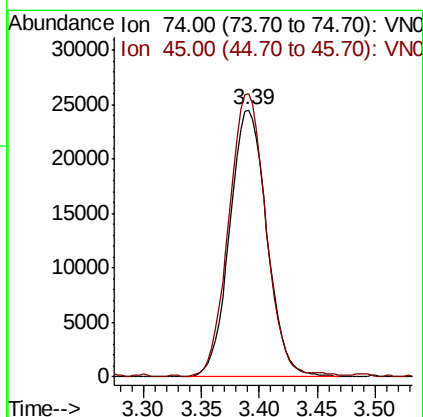
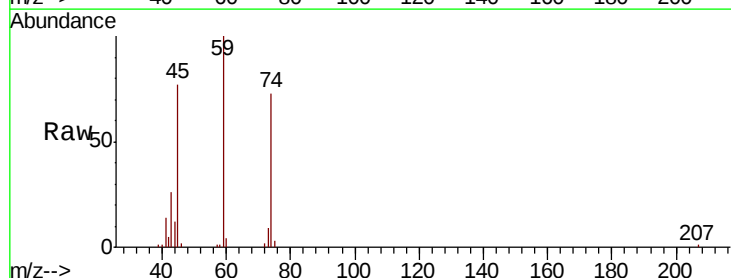
Tot Ion:101 Resp: 137871
Ion Ratio Lower Upper
101 100
103 65.2 52.2 78.2

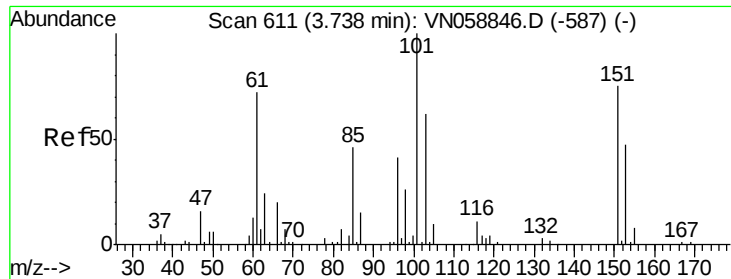


#8

Diethyl Ether
Concen: 22.041 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Tgt Ion: 74 Resp: 54636
Ion Ratio Lower Upper
74 100
45 105.8 54.9 164.5

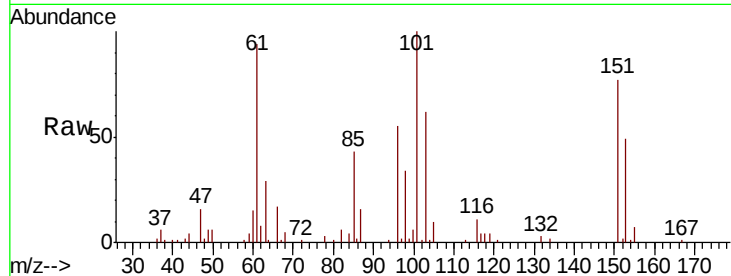




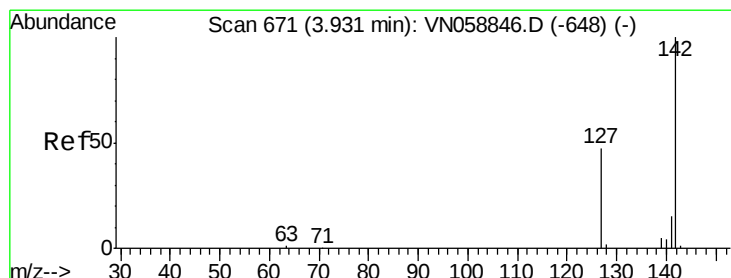
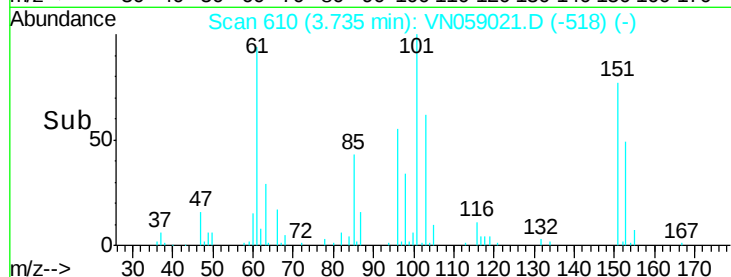
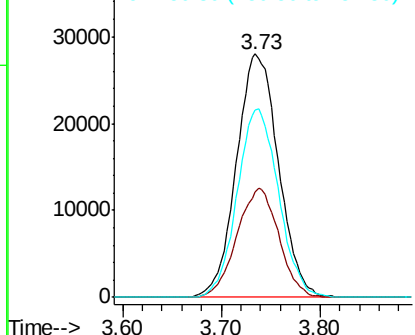
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.789 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN059021.D
 Acq: 30 Oct 2019 11:38

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:101 Resp: 82668
 Ion Ratio Lower Upper
 101 100
 85 44.7 37.2 55.8
 151 76.2 59.9 89.9

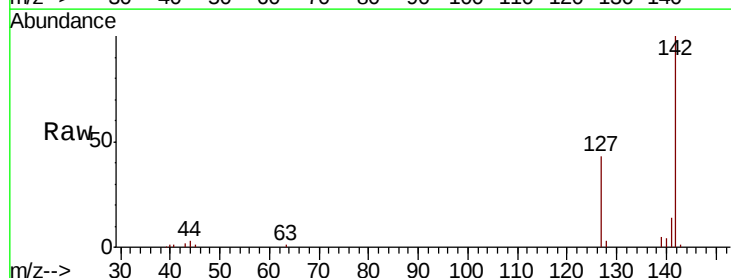


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

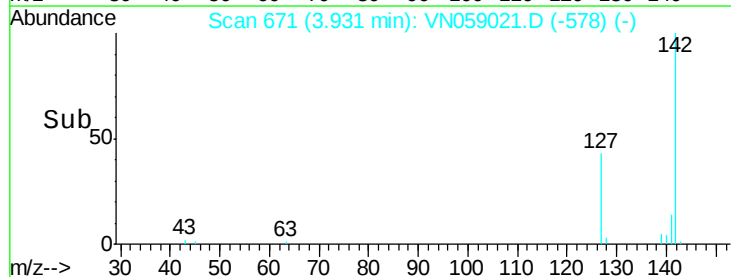
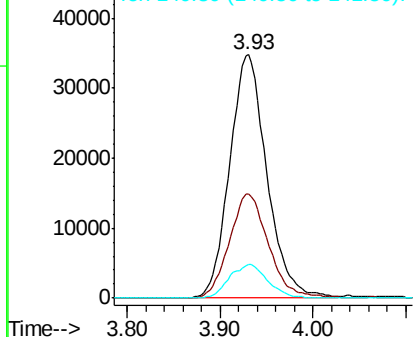


#10
 Methyl Iodide
 Concen: 18.530 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: VN059021.D
 Acq: 30 Oct 2019 11:38

Tgt Ion:142 Resp: 96915
 Ion Ratio Lower Upper
 142 100
 127 44.6 36.6 54.8
 141 14.0 11.4 17.2



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: 113.378 ug/l

RT: 4.75 min Scan# 927

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

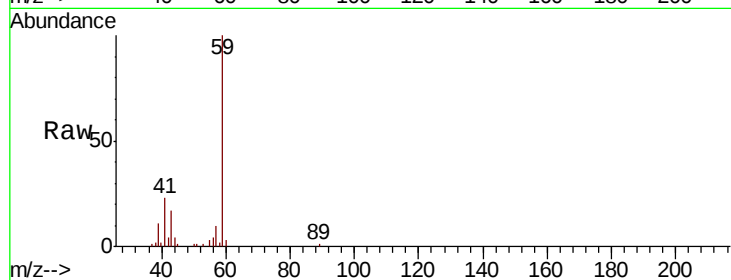
ClientSampleId :

Tot Ion: 59 Resp: 104337

Ion Ratio Lower Upper

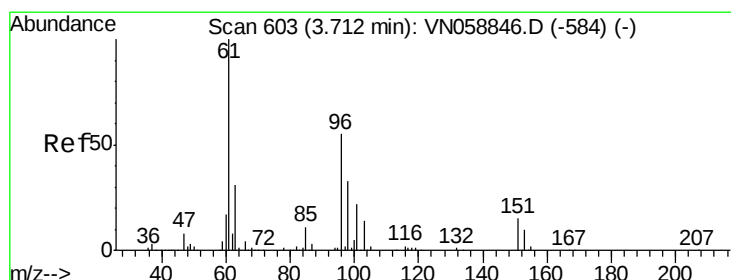
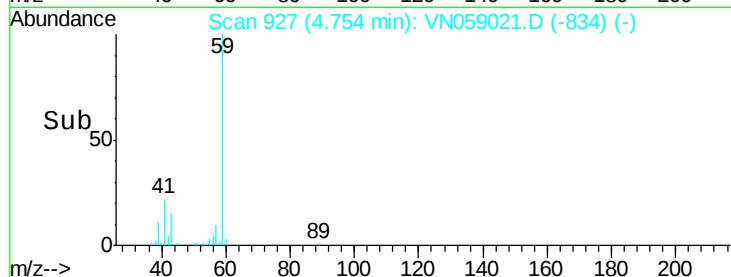
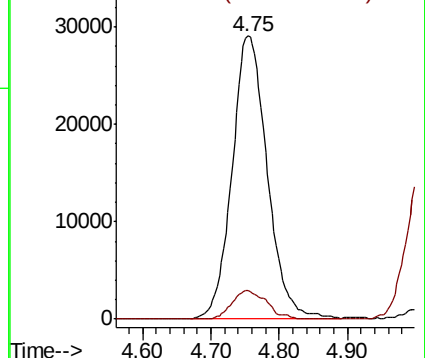
59 100

57 10.0 8.6 12.8



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 20.742 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

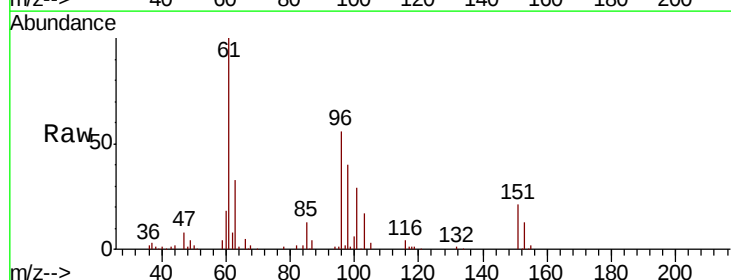
Tgt Ion: 96 Resp: 77314

Ion Ratio Lower Upper

96 100

61 177.0 146.2 219.2

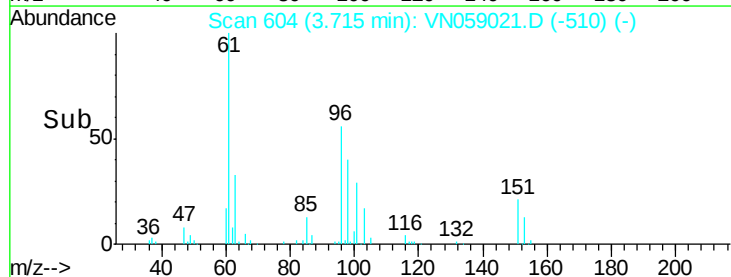
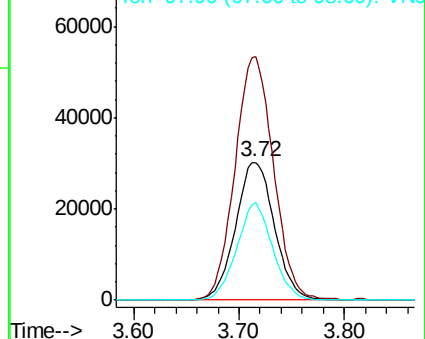
98 70.8 48.7 73.1

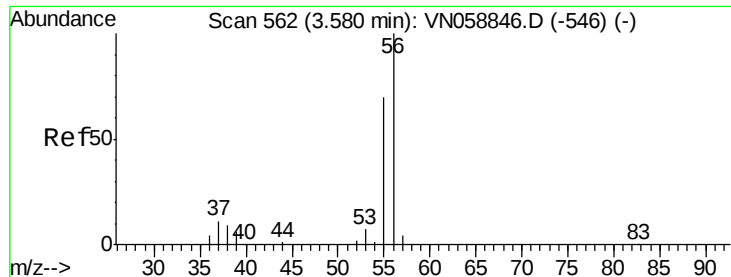


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 57.755 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

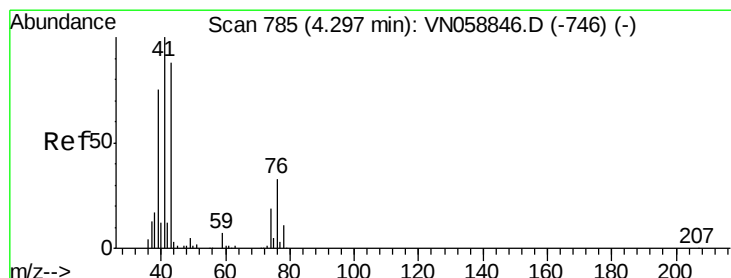
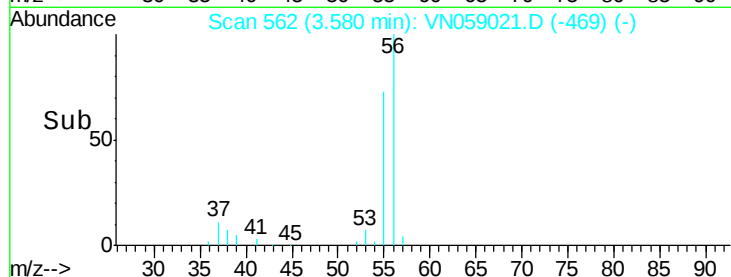
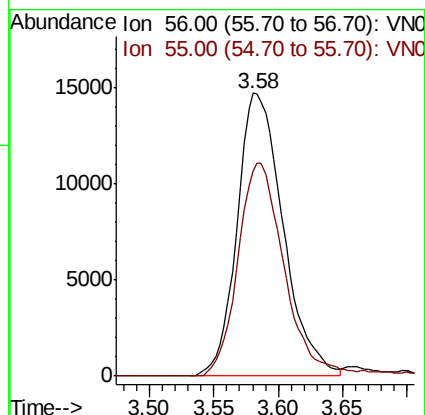
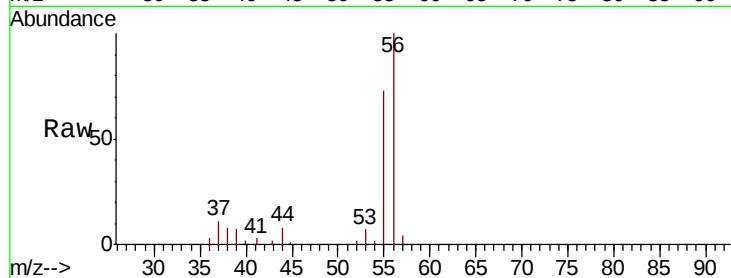
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 36519

Ion Ratio Lower Upper

56 100

55 75.3 56.6 85.0



#14

Allyl chloride

Concen: 20.730 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

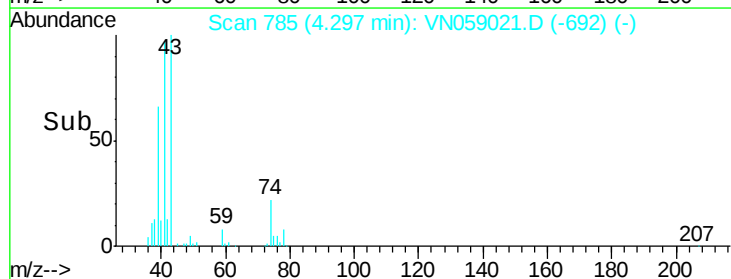
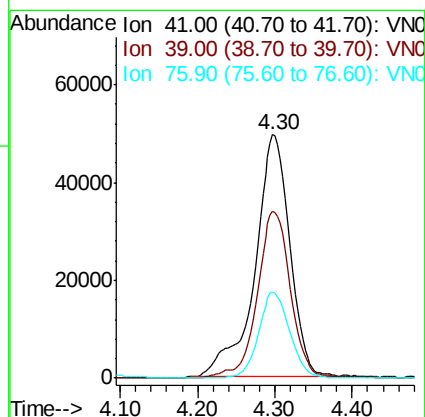
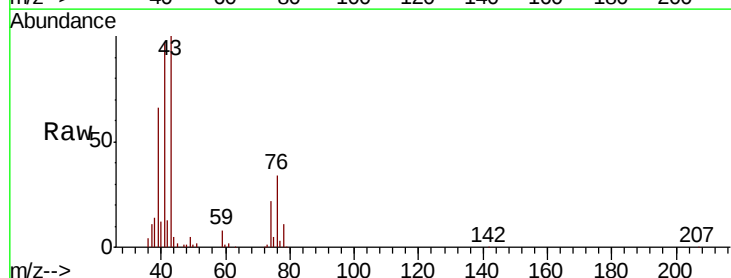
Tgt Ion: 41 Resp: 156358

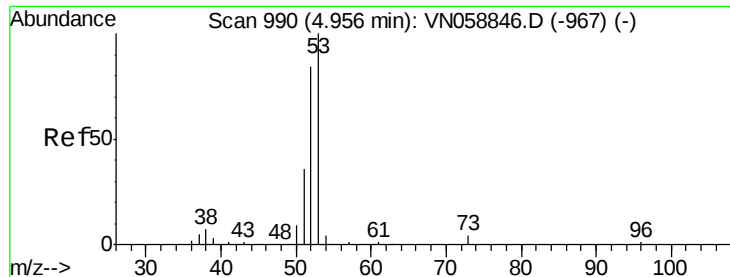
Ion Ratio Lower Upper

41 100

39 65.7 55.9 83.9

76 31.5 24.1 36.1





#15

Acrylonitrile

Concen: 115.260 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

ClientSampled :

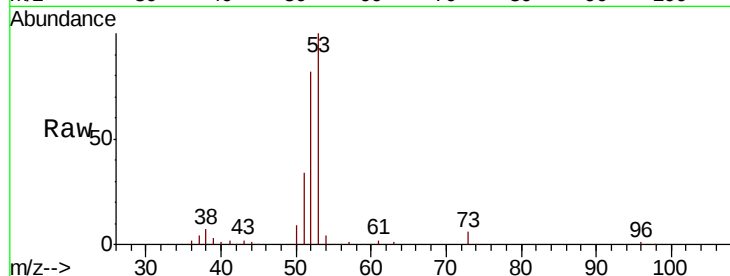
Tot Ion: 53 Resp: 266806

Ion Ratio Lower Upper

53 100

52 82.3 66.6 99.8

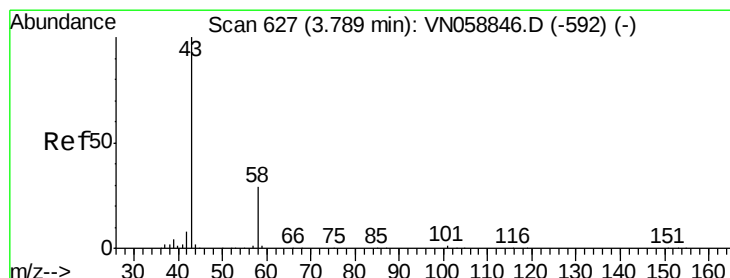
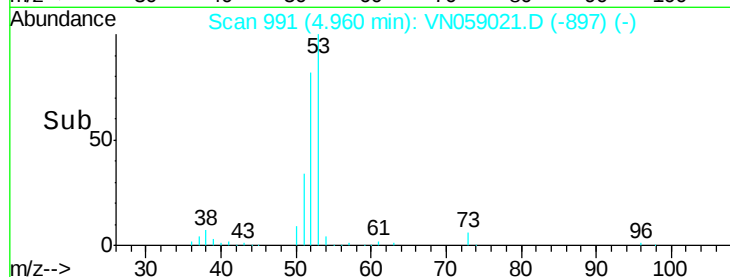
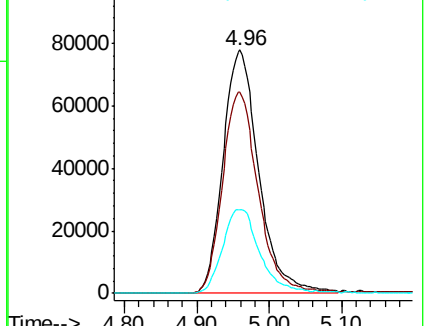
51 35.7 29.2 43.8



Abundance Ion 53.00 (52.70 to 53.70): VN058846.D (-967) (-)

Ion 52.00 (51.70 to 52.70): VN058846.D (-967) (-)

Ion 51.00 (50.70 to 51.70): VN058846.D (-967) (-)



#16

Acetone

Concen: 102.360 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN059021.D

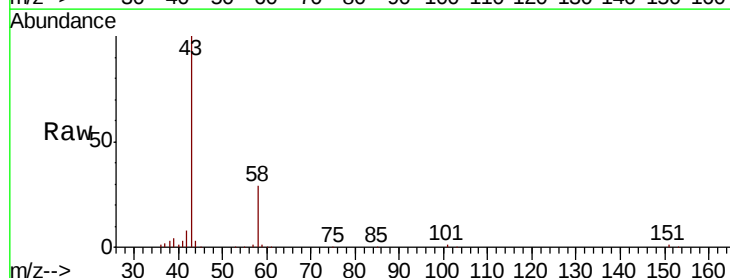
Acq: 30 Oct 2019 11:38

Tgt Ion: 43 Resp: 280494

Ion Ratio Lower Upper

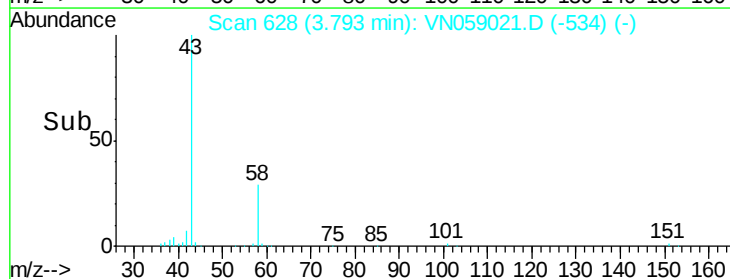
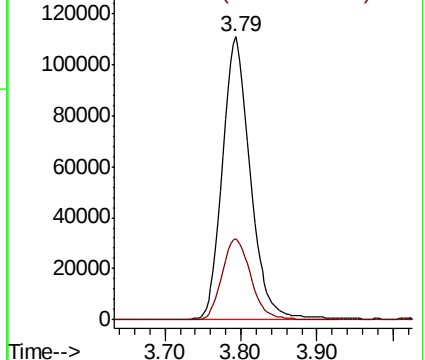
43 100

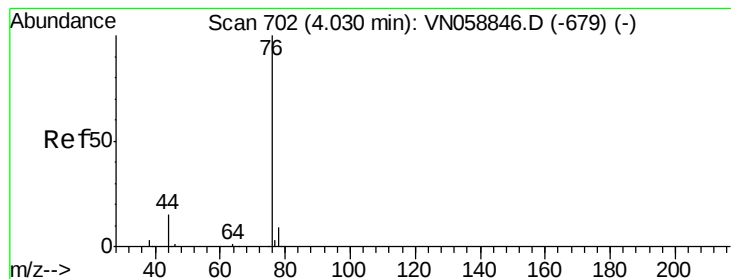
58 28.9 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-592) (-)

Ion 58.00 (57.70 to 58.70): VN058846.D (-592) (-)





#17

Carbon Disulfide

Concen: 17.588 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

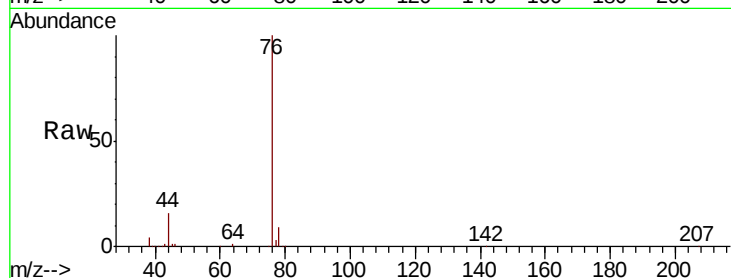
ClientSampleId :

Tot Ion: 76 Resp: 211184

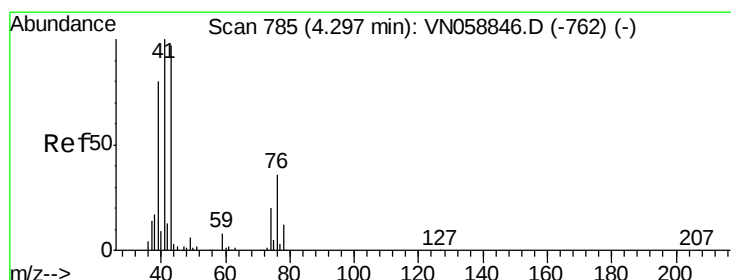
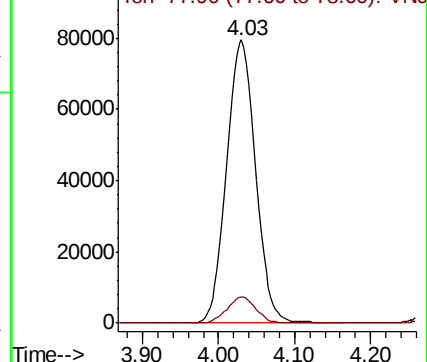
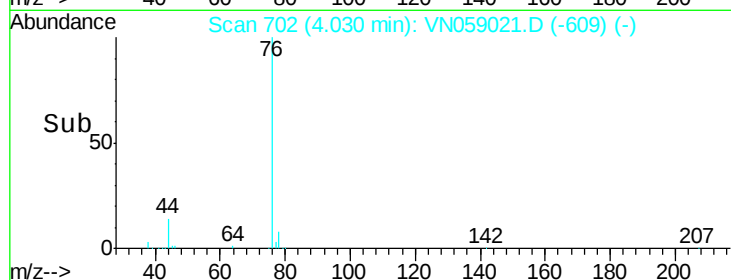
Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN059021.D (-609) (-)



#18

Methyl Acetate

Concen: 23.578 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN059021.D

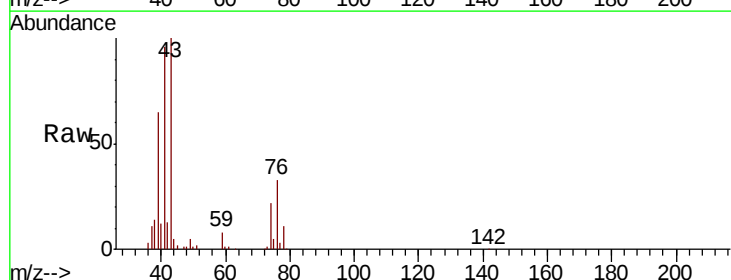
Acq: 30 Oct 2019 11:38

Tgt Ion: 43 Resp: 146894

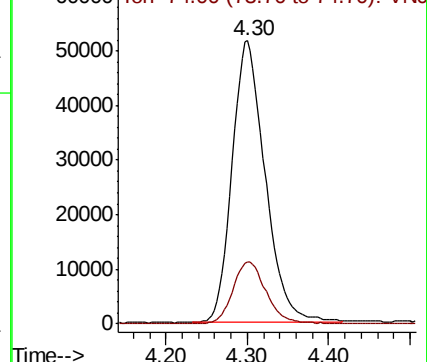
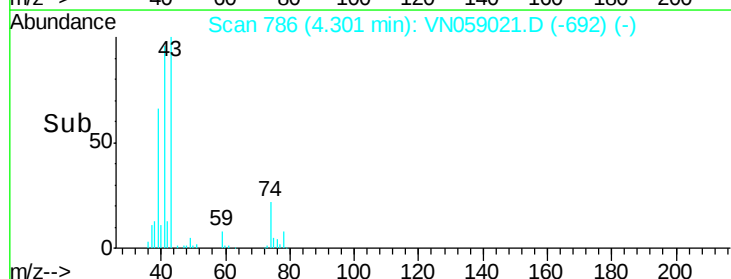
Ion Ratio Lower Upper

43 100

74 22.1 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): VN059021.D (-692) (-)

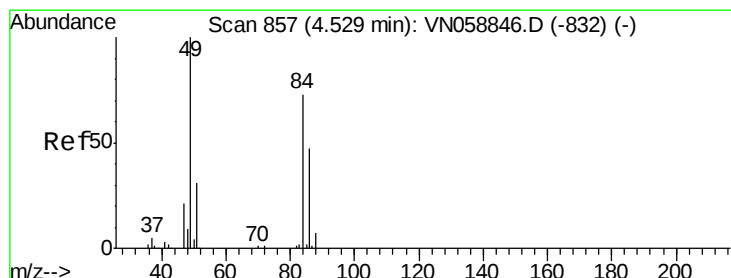
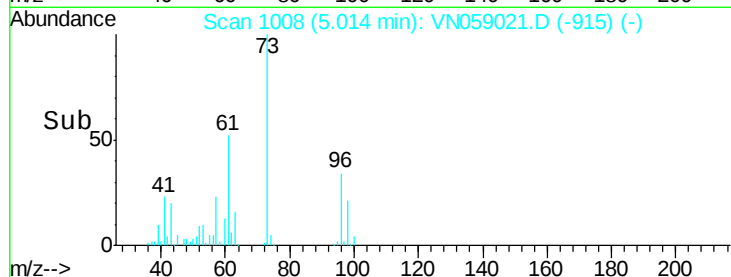
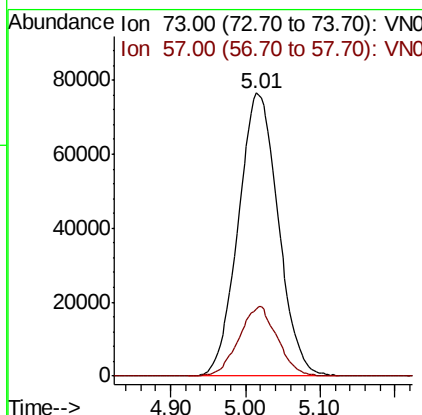
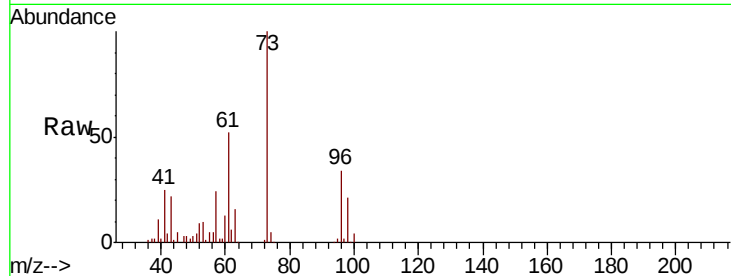




#19
Methvl tert-butvl Ether
Concen: 21.736 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

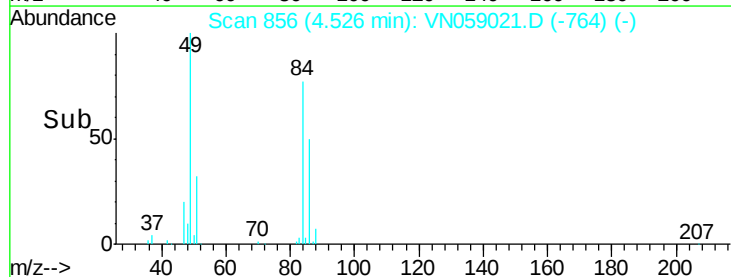
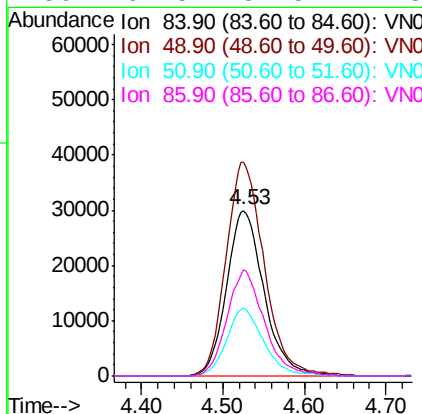
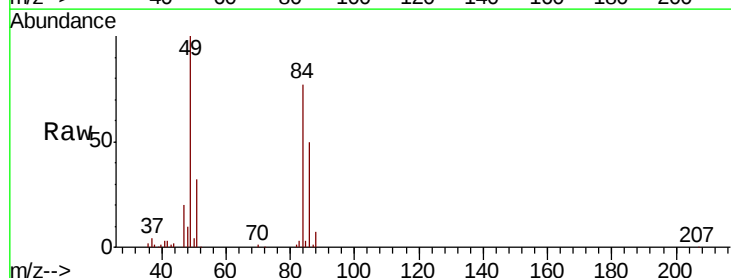
Instrument :
MSVOA_N
ClientSampled :

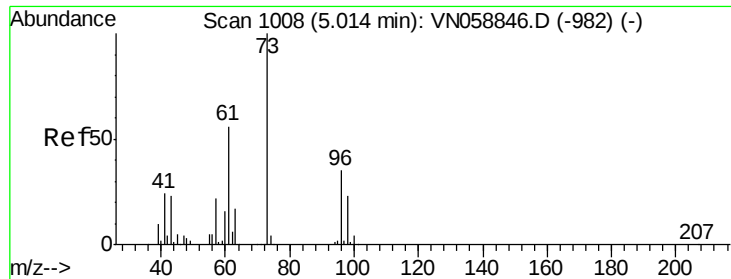
Tot Ion: 73 Resp: 283689
Ion Ratio Lower Upper
73 100
57 23.6 17.9 26.9



#20
Methylene Chloride
Concen: 20.468 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Tgt Ion: 84 Resp: 95770
Ion Ratio Lower Upper
84 100
49 129.1 109.6 164.4
51 40.8 33.8 50.6
86 64.5 51.5 77.3

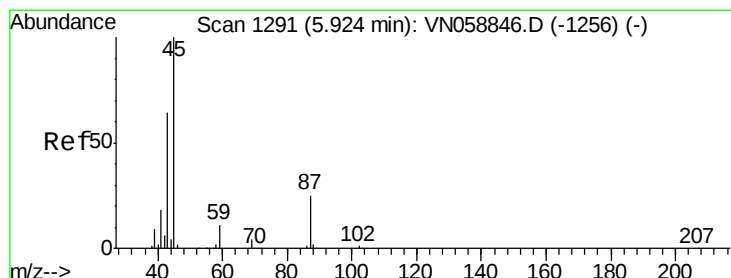
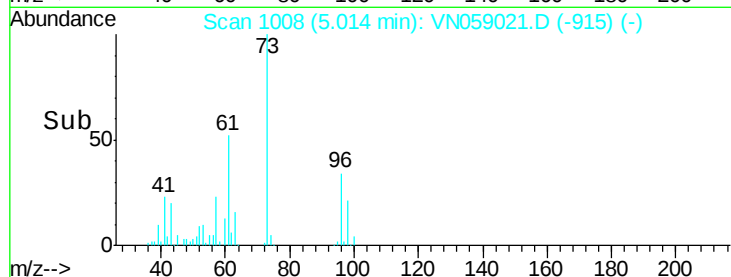
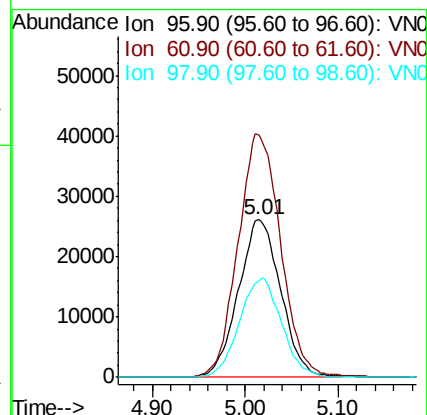
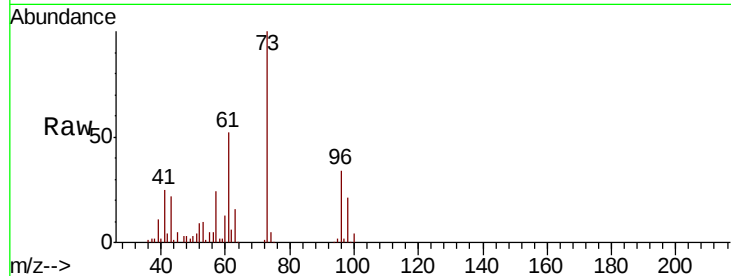




#21
trans-1,2-Dichloroethene
Concen: 20.130 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

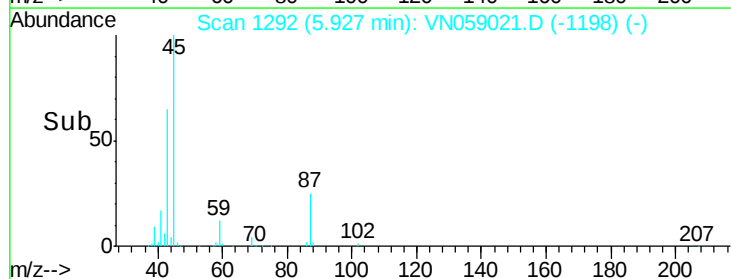
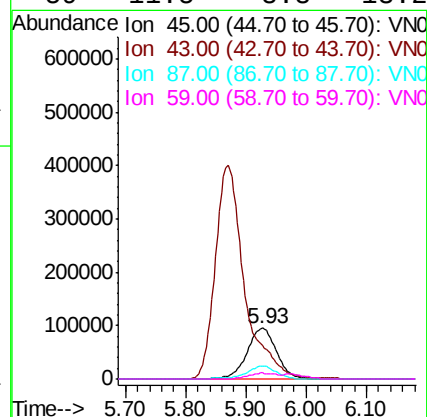
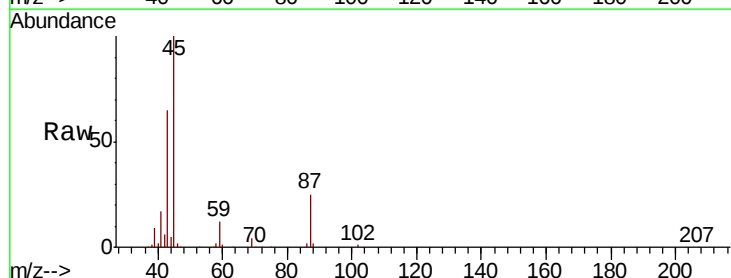
Instrument :
MSVOA_N
ClientSampleId :

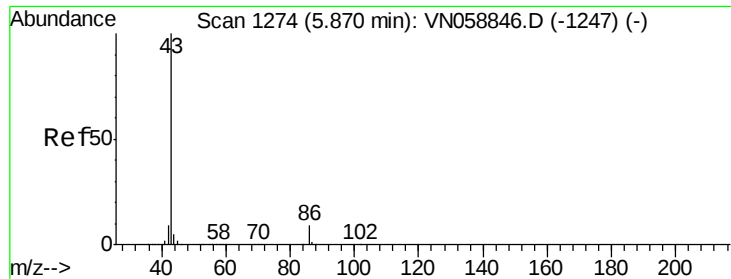
Tot Ion: 96 Resp: 82865
Ion Ratio Lower Upper
96 100
61 153.2 126.7 190.1
98 61.4 52.0 78.0



#22
Diisopropyl ether
Concen: 22.129 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Tgt Ion: 45 Resp: 326465
Ion Ratio Lower Upper
45 100
43 63.9 52.9 79.3
87 25.4 20.2 30.4
59 11.5 8.8 13.2





#23

Vinyl Acetate

Concen: 112.618 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

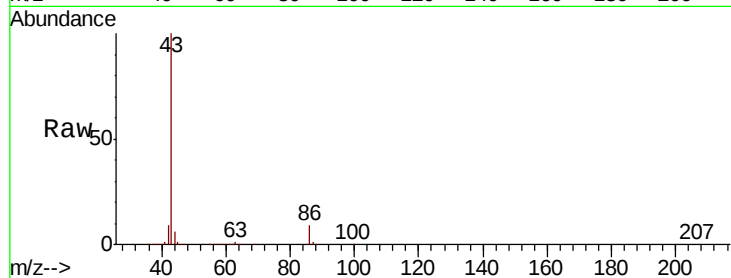
ClientSampled :

Tot Ion: 43 Resp: 1334856

Ion Ratio Lower Upper

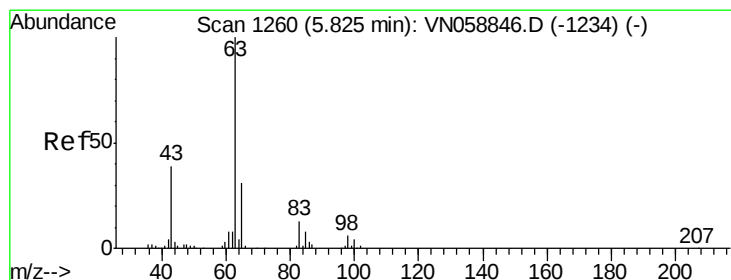
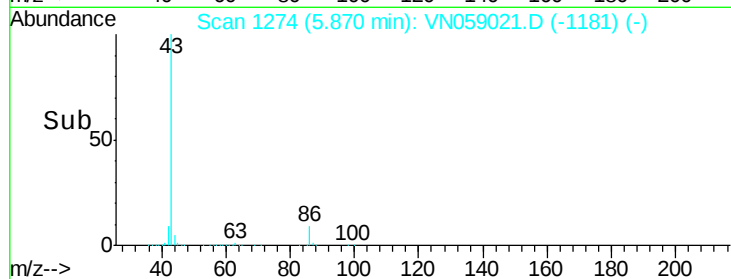
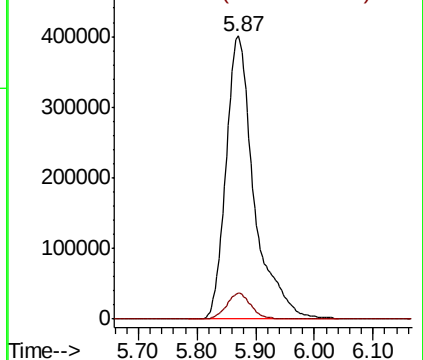
43 100

86 9.2 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.630 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

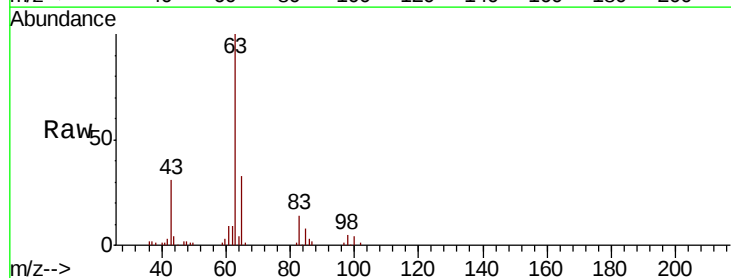
Tgt Ion: 63 Resp: 176476

Ion Ratio Lower Upper

63 100

98 5.5 2.8 8.4

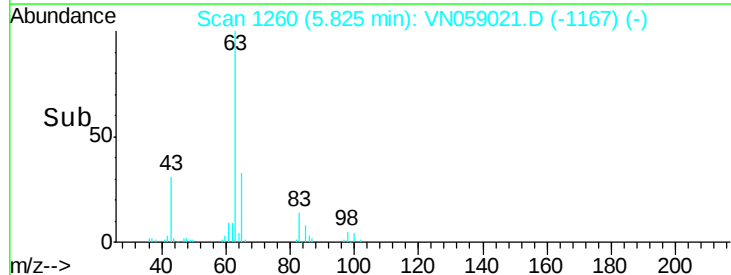
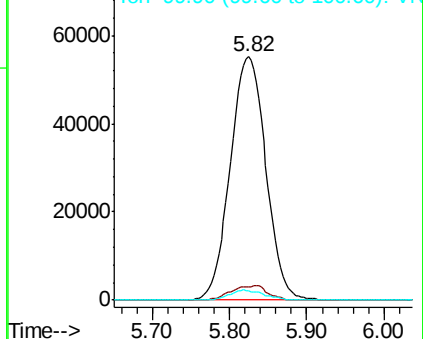
100 3.6 1.9 5.7

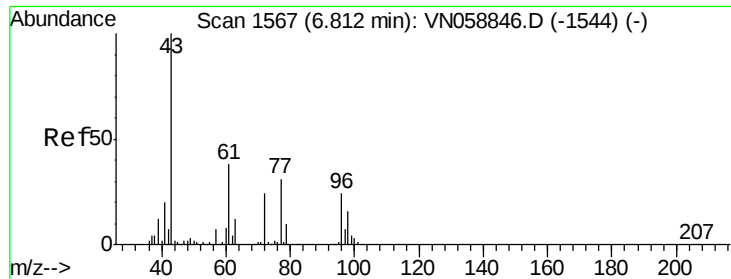


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 107.867 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

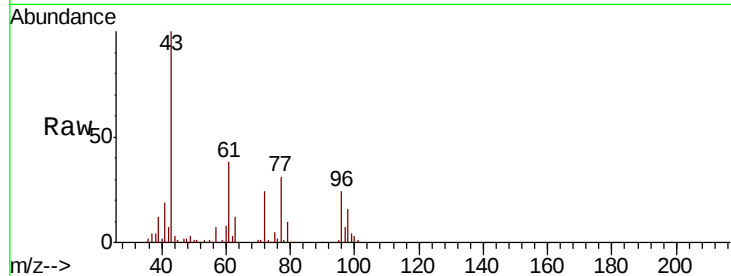
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 383699

Ion Ratio Lower Upper

43 100

72 24.4 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-1544) (-)

Ion 72.00 (71.70 to 72.70): VN058846.D (-1544) (-)

6.81

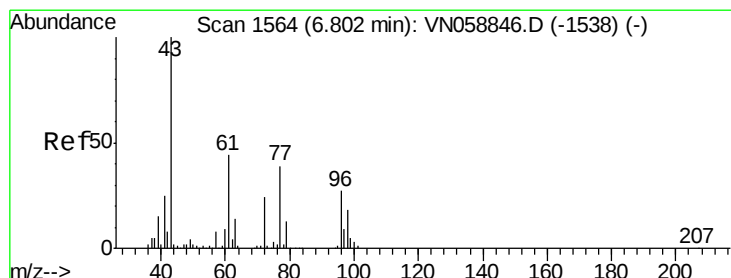
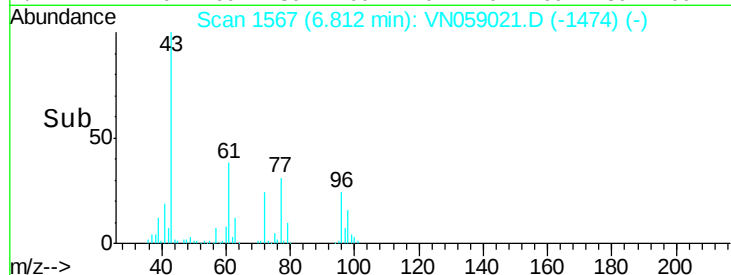
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 20.703 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059021.D

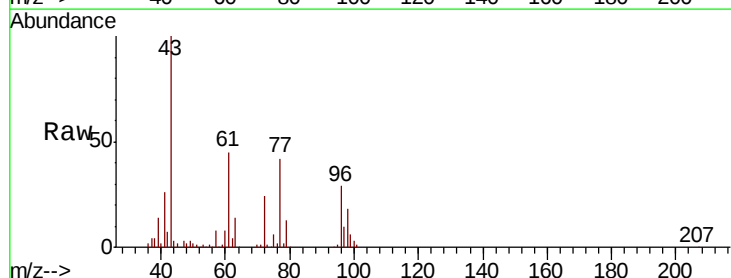
Acq: 30 Oct 2019 11:38

Tgt Ion: 77 Resp: 153190

Ion Ratio Lower Upper

77 100

97 22.1 10.6 31.8



Abundance Ion 76.90 (76.60 to 77.60): VN058846.D (-1538) (-)

Ion 96.90 (96.60 to 97.60): VN058846.D (-1538) (-)

6.80

50000

40000

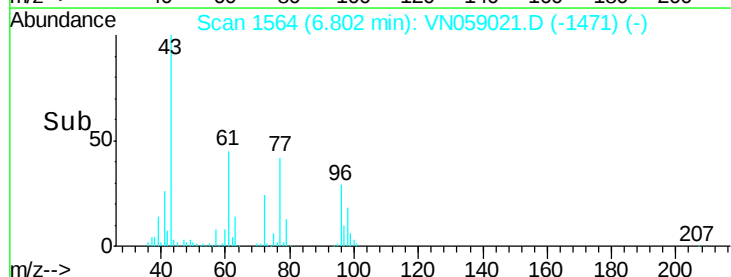
30000

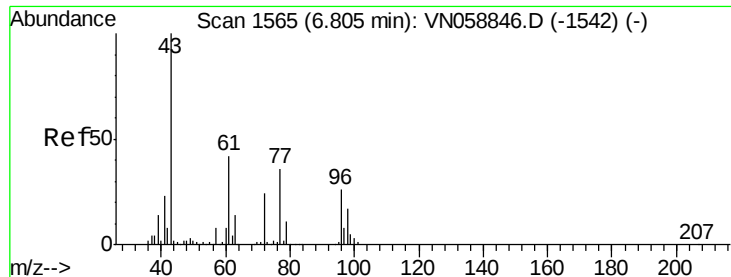
20000

10000

0

Time-->

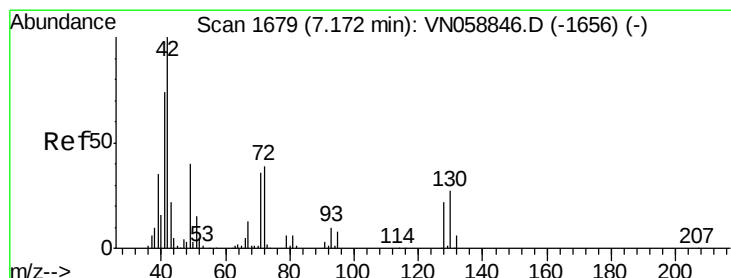
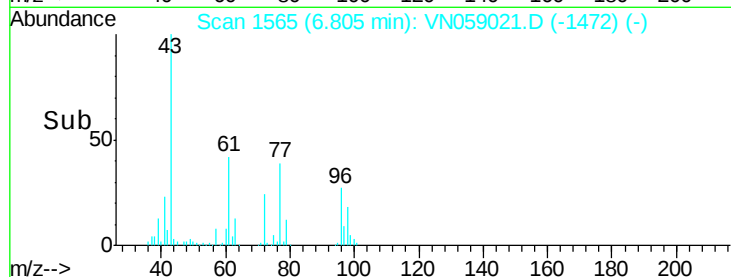
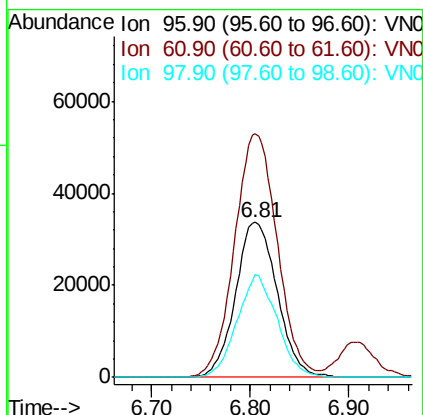
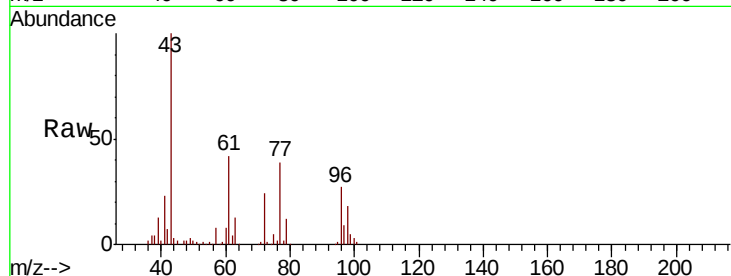




#27
 cis-1,2-Dichloroethene
 Concen: 20.966 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VN059021.D
 Acq: 30 Oct 2019 11:38

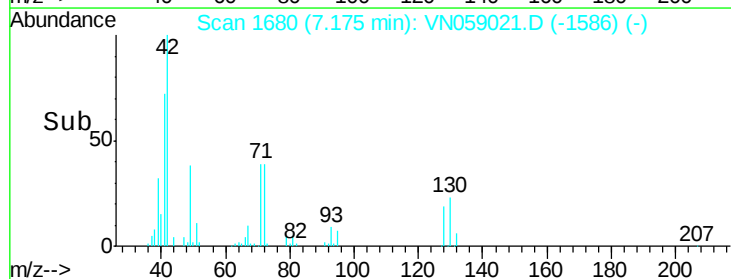
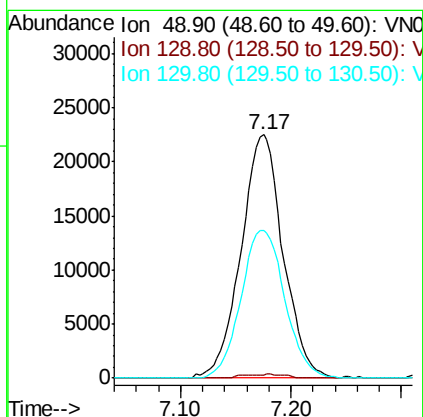
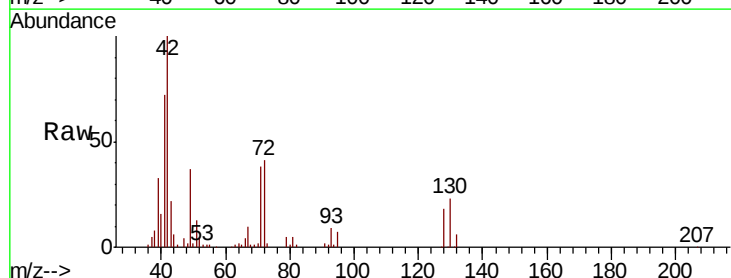
Instrument :
 MSVOA_N
 ClientSampleId :

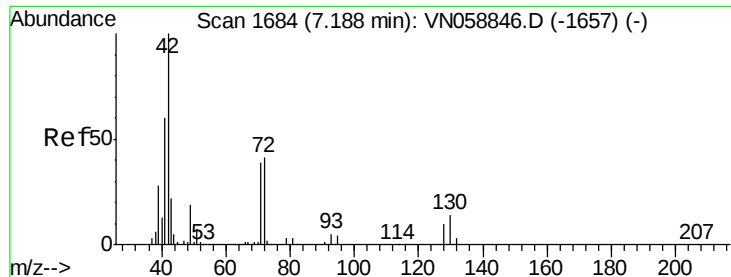
Tot Ion: 96 Resp: 98592
 Ion Ratio Lower Upper
 96 100
 61 161.3 0.0 325.0
 98 63.7 0.0 128.0



#28
 Bromochloromethane
 Concen: 20.830 ug/l
 RT: 7.17 min Scan# 1680
 Delta R.T. 0.00 min
 Lab File: VN059021.D
 Acq: 30 Oct 2019 11:38

Tgt Ion: 49 Resp: 59344
 Ion Ratio Lower Upper
 49 100
 129 0.8 0.0 3.2
 130 63.4 53.5 80.3

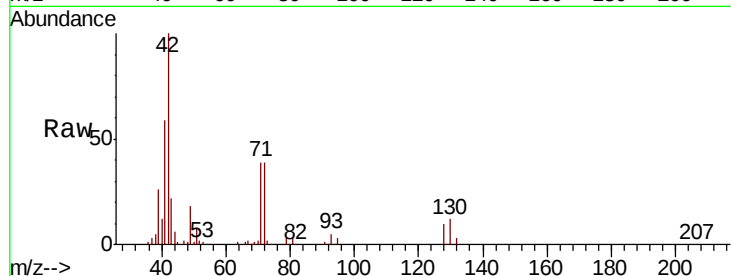




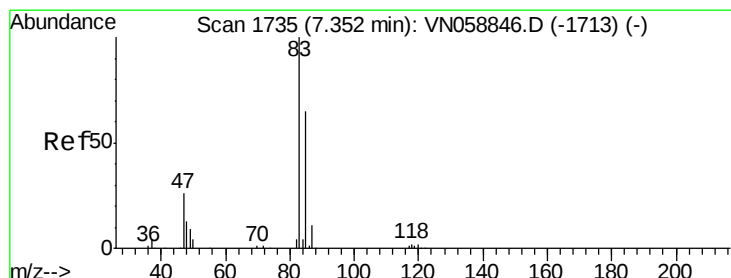
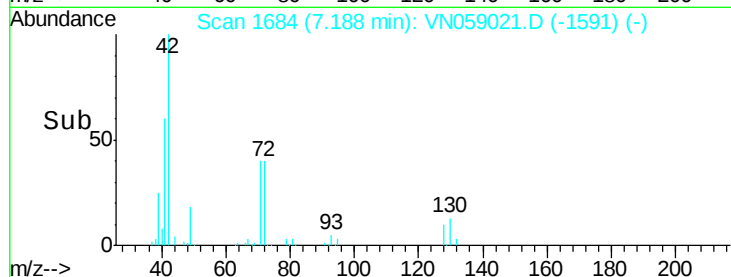
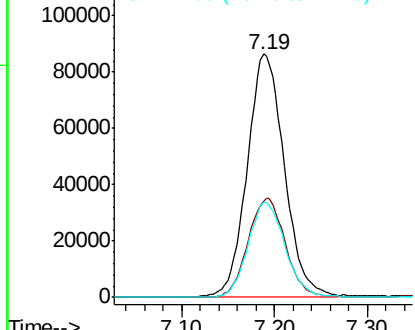
#29
Tetrahydrofuran
Concen: 110.287 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	42	Resp	239989
Ion Ratio	Lower	Upper	
42	100		
72	41.0	32.2	48.2
71	39.2	30.6	45.8

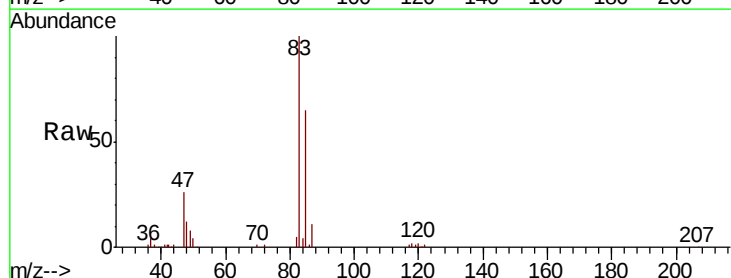


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

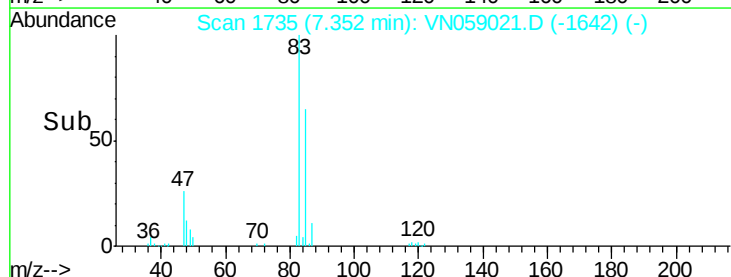
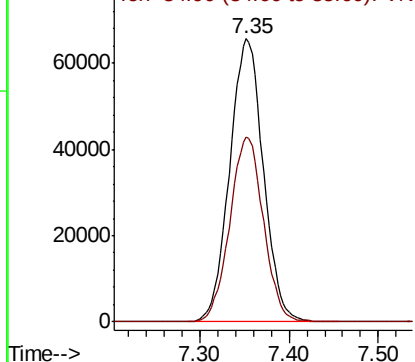


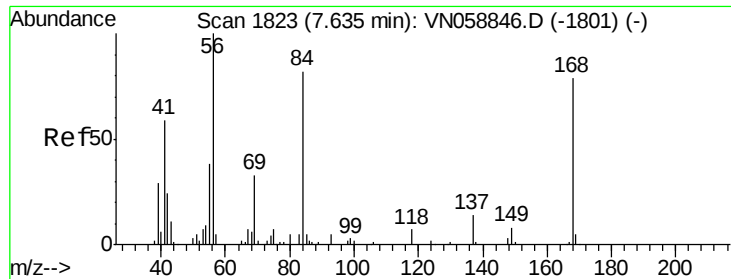
#30
Chloroform
Concen: 19.951 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Tgt Ion	83	Resp	171197
Ion Ratio	Lower	Upper	
83	100		
85	65.5	51.9	77.9



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

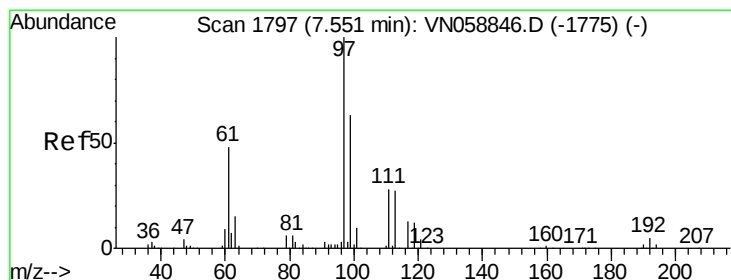
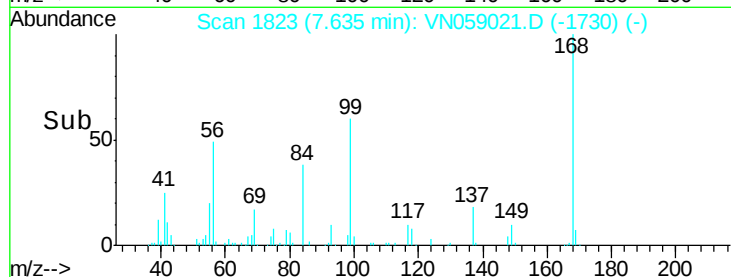
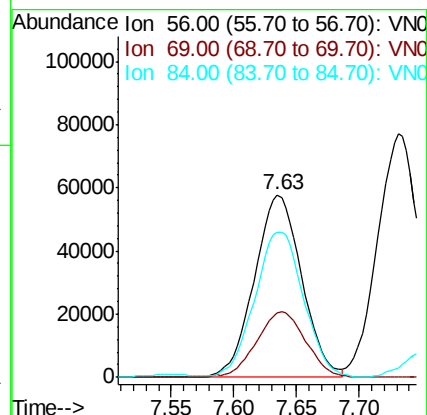
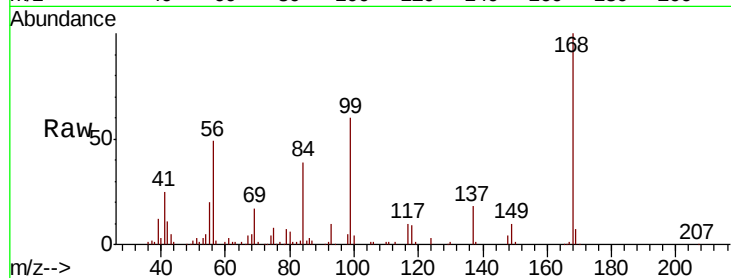




#31
Cyclohexane
Concen: 19.029 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

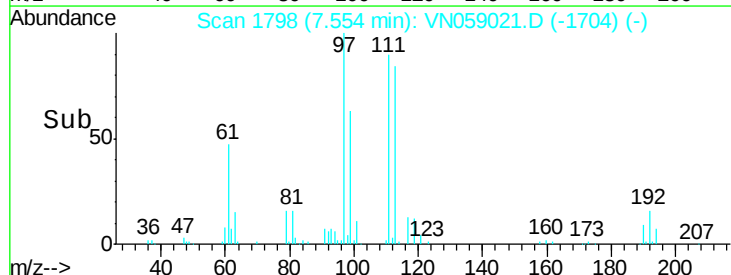
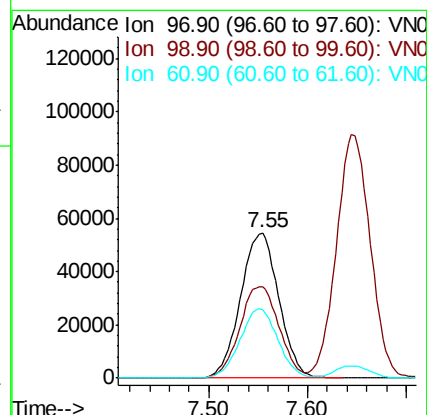
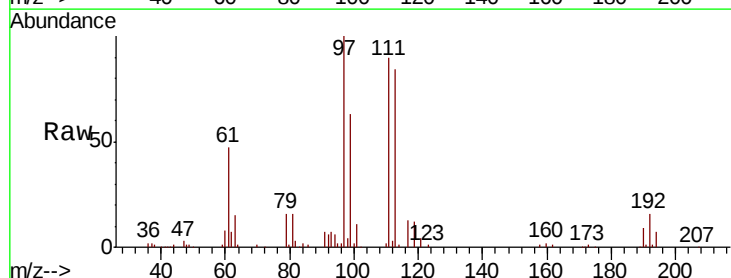
Instrument :
MSVOA_N
ClientSampled :

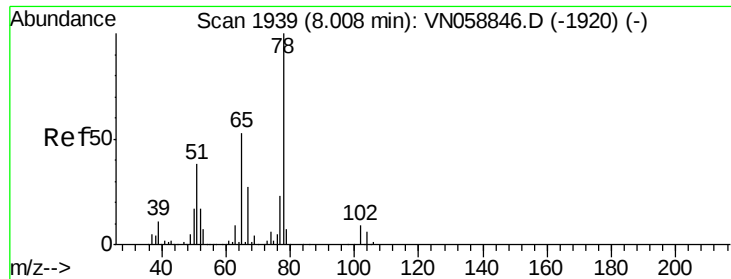
Tot Ion: 56 Resp: 151650
Ion Ratio Lower Upper
56 100
69 35.3 26.2 39.4
84 78.4 65.6 98.4



#32
1,1,1-Trichloroethane
Concen: 20.287 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Tgt Ion: 97 Resp: 146733
Ion Ratio Lower Upper
97 100
99 64.9 51.0 76.4
61 47.5 38.6 58.0

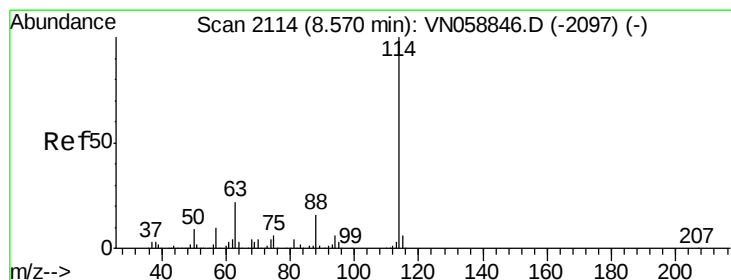
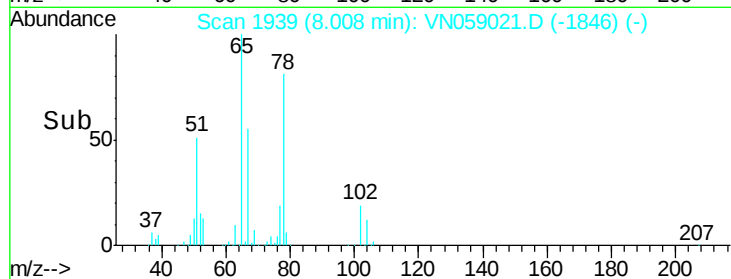
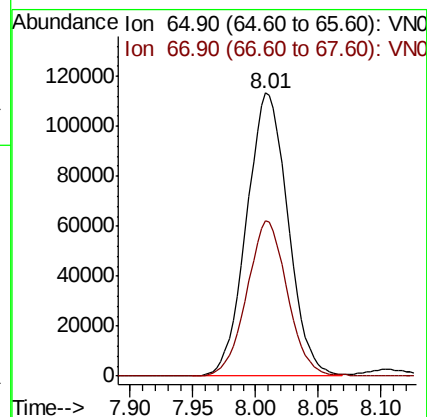
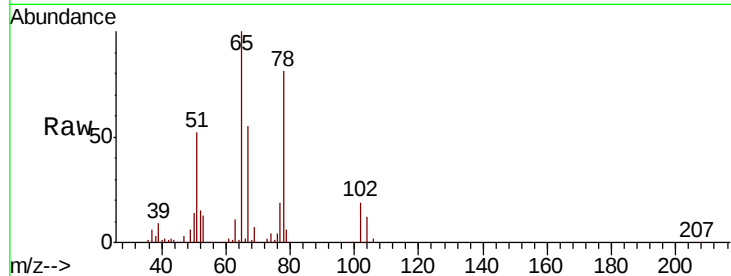




#33
 1,2-Dichloroethane-d4
 Concen: 47.025 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059021.D
 Acq: 30 Oct 2019 11:38

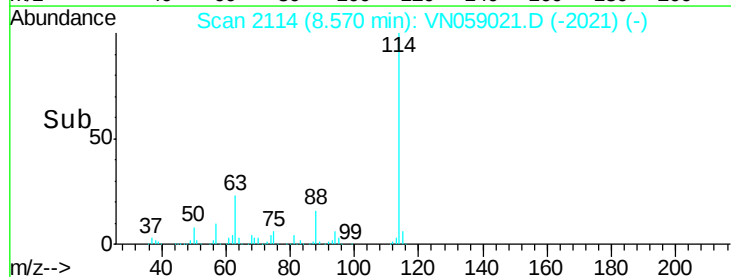
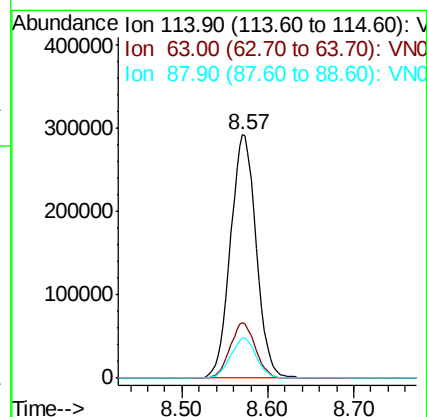
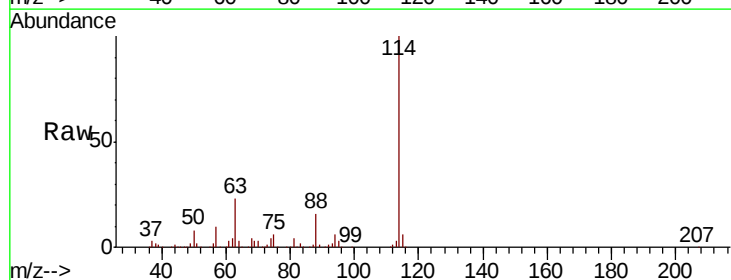
Instrument :
 MSVOA_N
 ClientSampleId :

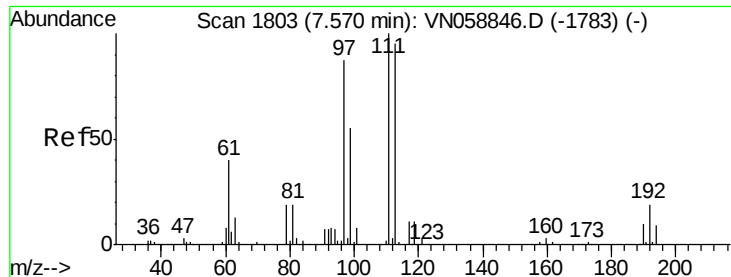
Tot Ion: 65 Resp: 260775
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059021.D
 Acq: 30 Oct 2019 11:38

Tgt Ion: 114 Resp: 605152
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 44.4
 88 16.4 0.0 31.4

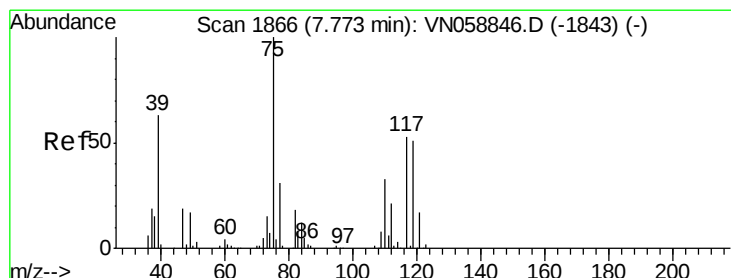
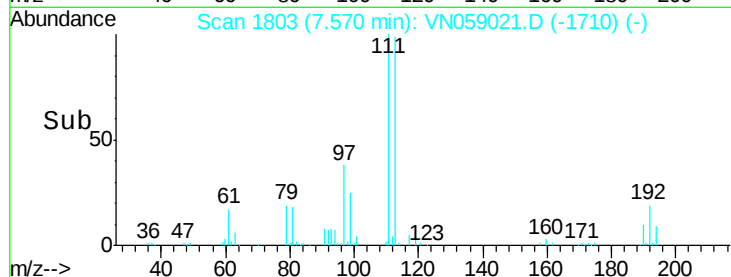
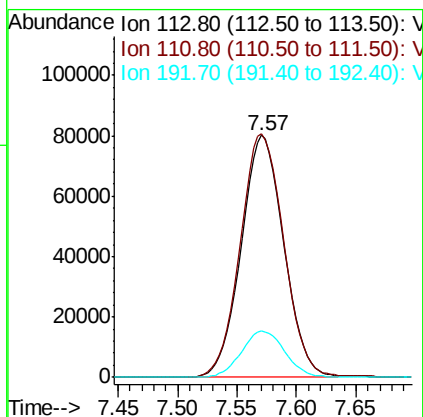
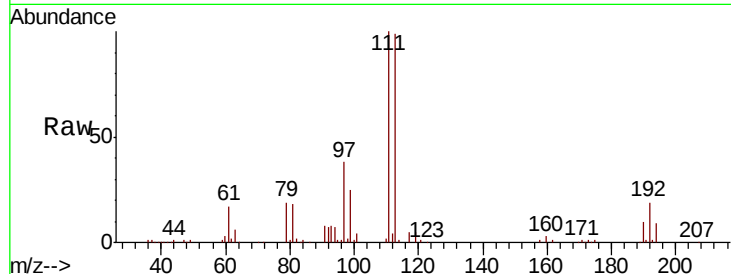




#35
 Dibromofluoromethane
 Concen: 49.922 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059021.D
 Acq: 30 Oct 2019 11:38

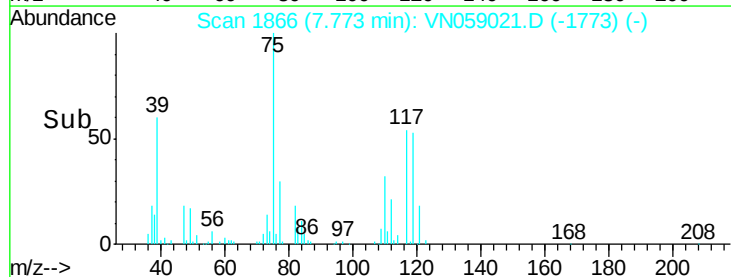
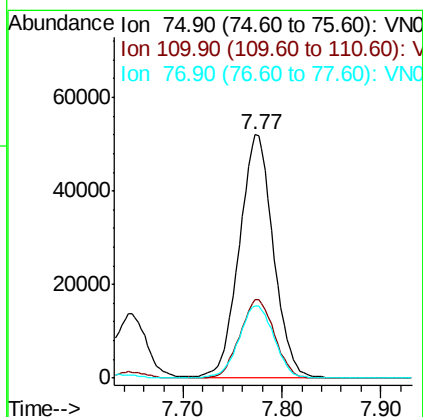
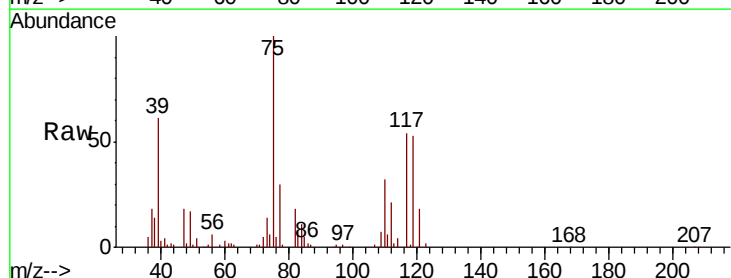
Instrument :
 MSVOA_N
 ClientSampled :

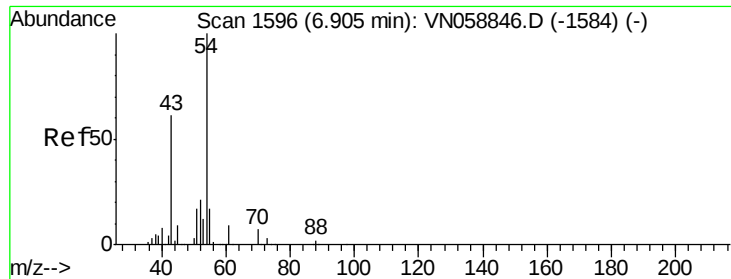
Tot Ion:113 Resp: 198624
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.0 123.0
 192 19.6 15.0 22.6



#36
 1,1-Dichloropropene
 Concen: 20.079 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN059021.D
 Acq: 30 Oct 2019 11:38

Tgt Ion: 75 Resp: 124400
 Ion Ratio Lower Upper
 75 100
 110 32.4 16.3 48.9
 77 30.8 24.6 36.8

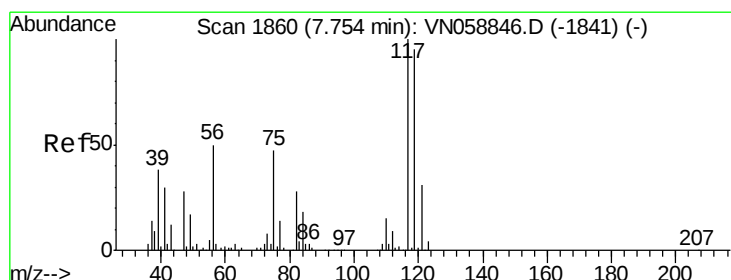
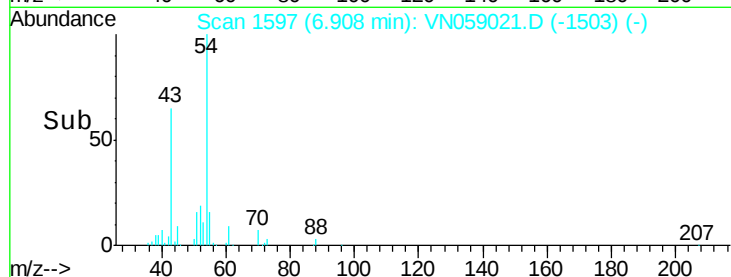
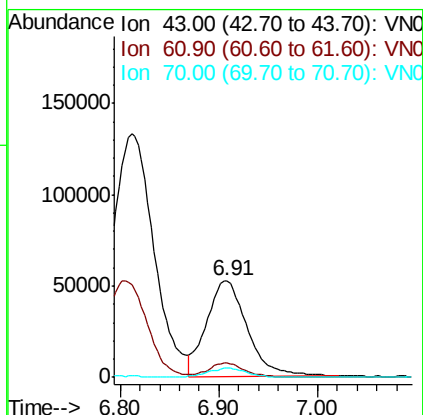
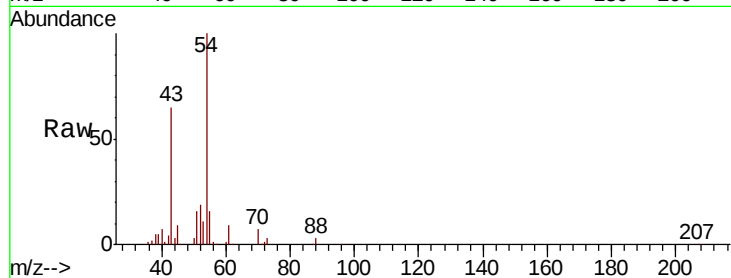




#37
Ethyl Acetate
Concen: 22.284 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

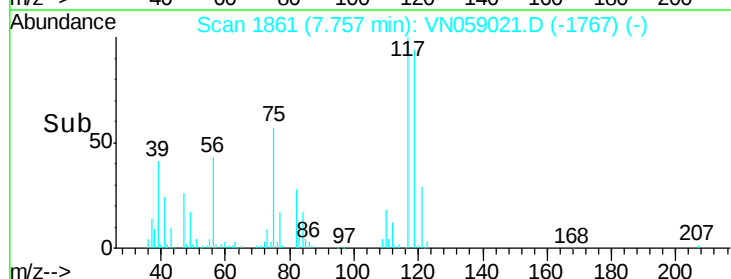
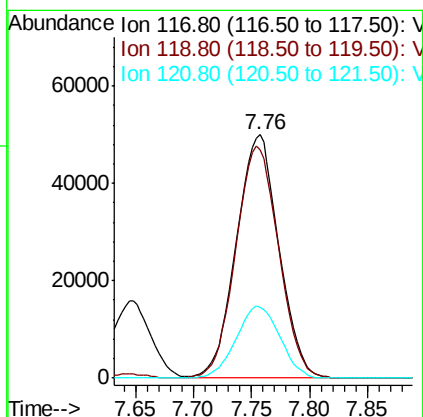
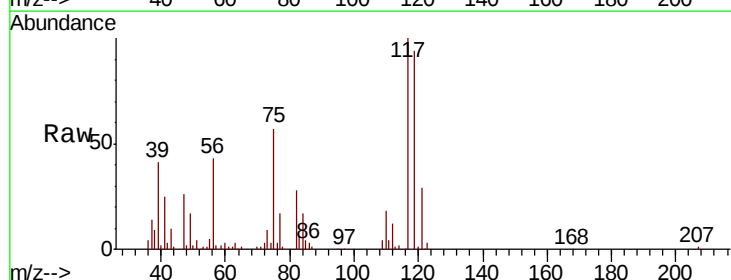
Instrument :
MSVOA_N
ClientSampleId :

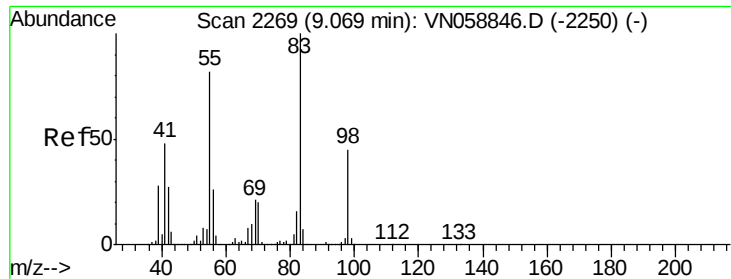
Tot Ion: 43 Resp: 150430
Ion Ratio Lower Upper
43 100
61 12.5 10.5 15.7
70 9.4 7.6 11.4



#38
Carbon Tetrachloride
Concen: 19.953 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Tgt Ion: 117 Resp: 127349
Ion Ratio Lower Upper
117 100
119 93.7 75.7 113.5
121 29.2 25.0 37.6

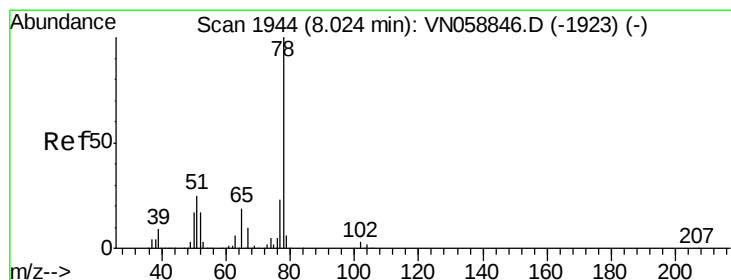
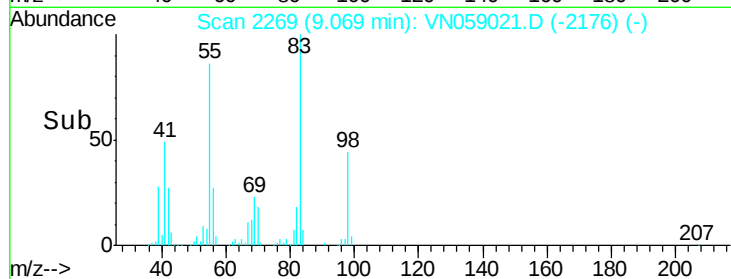
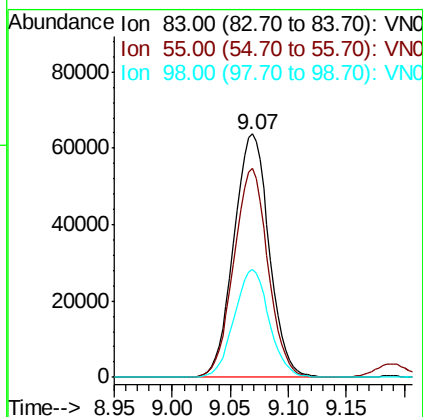
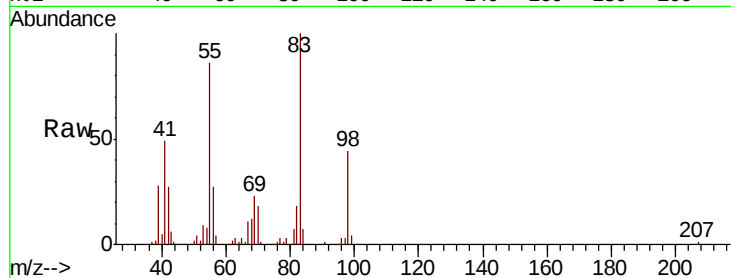




#39
Methvlcvclohexane
Concen: 19.403 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

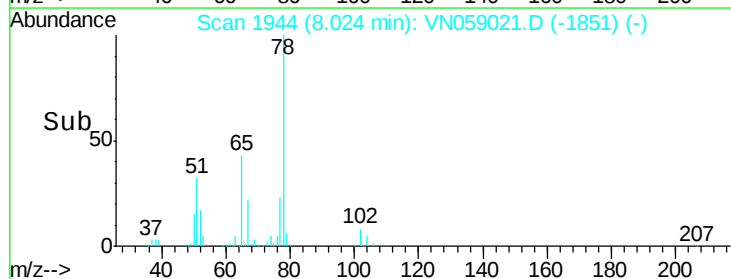
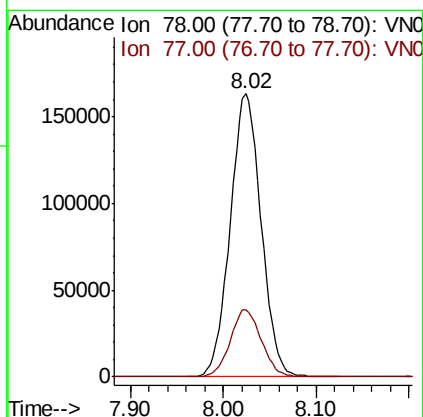
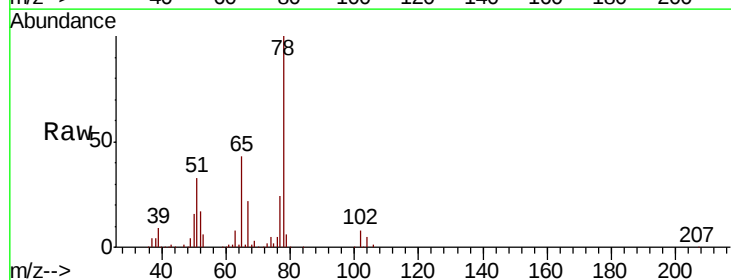
Instrument :
MSVOA_N
ClientSampled :

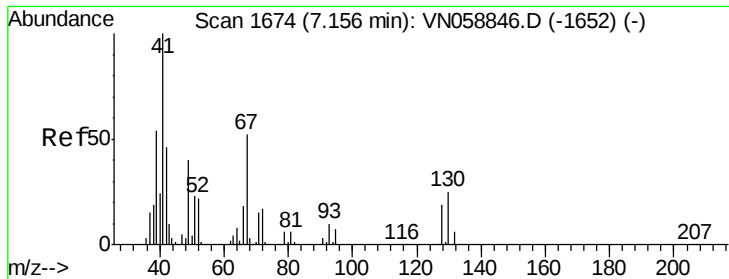
Tot Ion: 83 Resp: 134978
Ion Ratio Lower Upper
83 100
55 86.0 65.5 98.3
98 44.3 35.7 53.5



#40
Benzene
Concen: 20.757 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Tgt Ion: 78 Resp: 377631
Ion Ratio Lower Upper
78 100
77 23.6 18.2 27.2

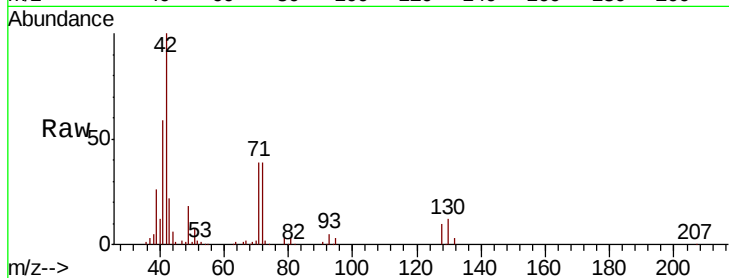




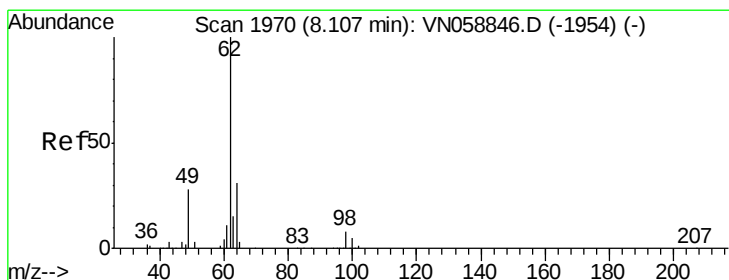
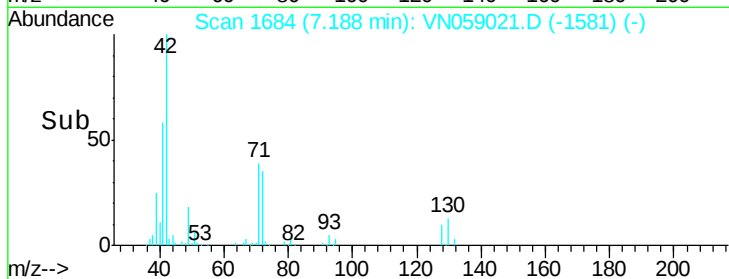
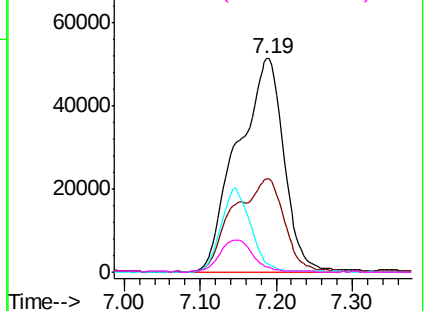
#41
Methacrylonitrile
Concen: 72.428 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	217766
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

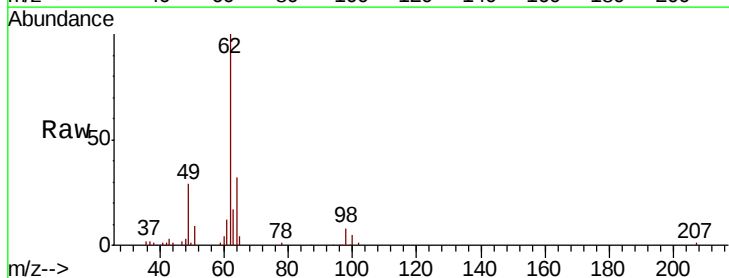


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

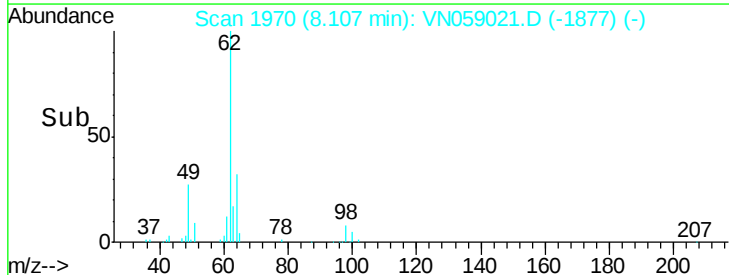
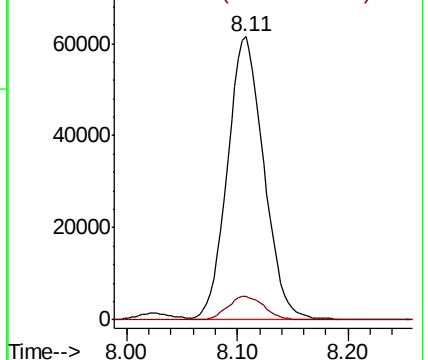


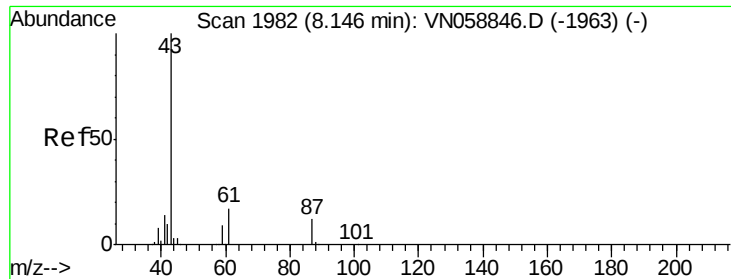
#42
1,2-Dichloroethane
Concen: 19.984 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Tgt Ion:	62	Resp:	140054
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.2



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





#43

Isopropyl Acetate

Concen: 21.604 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

ClientSampled :

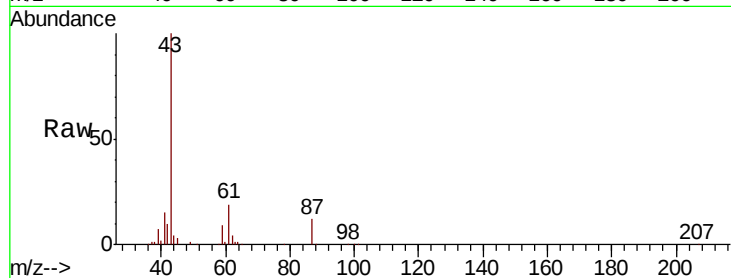
Tot Ion: 43 Resp: 233902

Ion Ratio Lower Upper

43 100

61 25.5 20.2 30.2

87 12.1 9.5 14.3

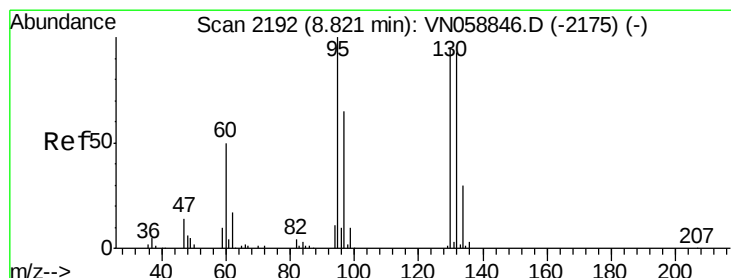
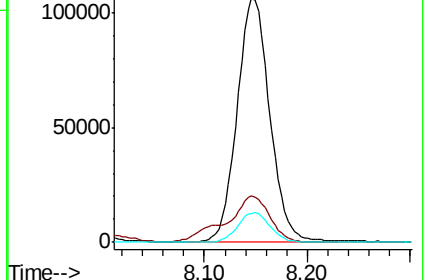
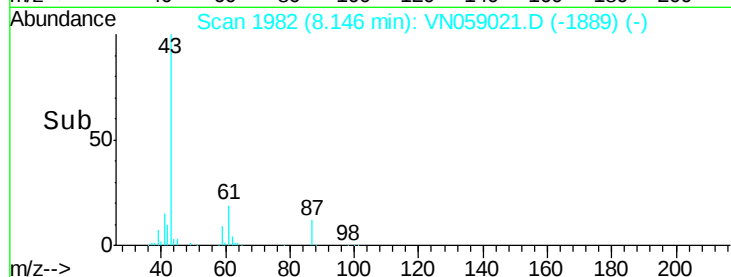


Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-1963) (-)

Ion 61.00 (60.70 to 61.70): VN058846.D (-1963) (-)

Ion 87.00 (86.70 to 87.70): VN058846.D (-1963) (-)

Time-->



#44

Trichloroethene

Concen: 20.867 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN059021.D

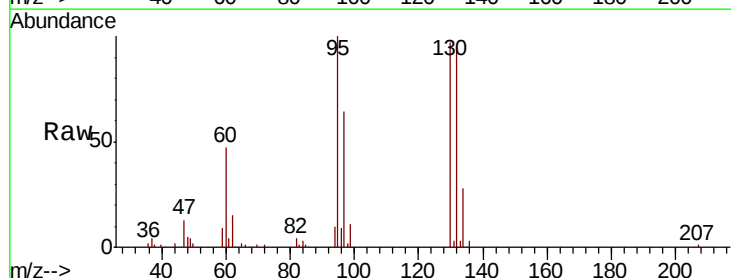
Acq: 30 Oct 2019 11:38

Tgt Ion:130 Resp: 92477

Ion Ratio Lower Upper

130 100

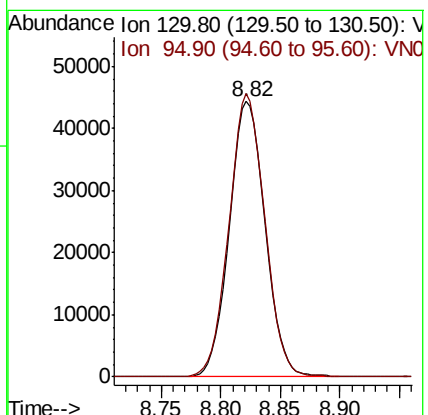
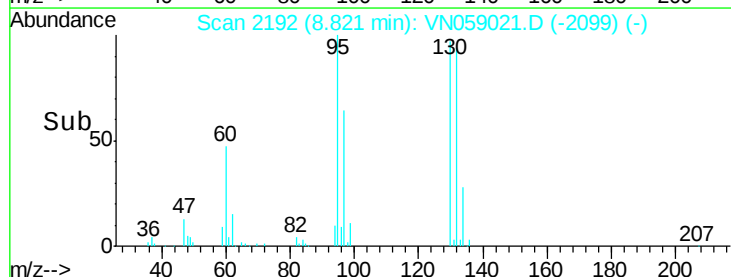
95 102.7 0.0 209.6

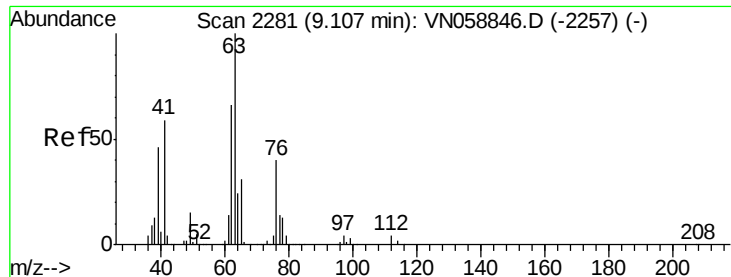


Abundance Ion 129.80 (129.50 to 130.50): VN058846.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN058846.D (-2175) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 21.251 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

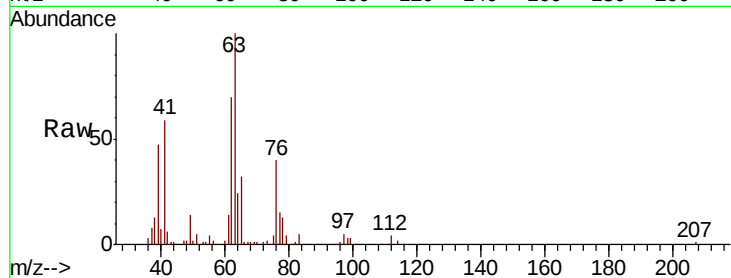
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 63 Resp: 106018

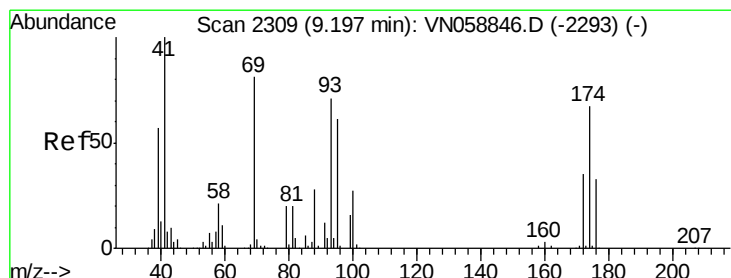
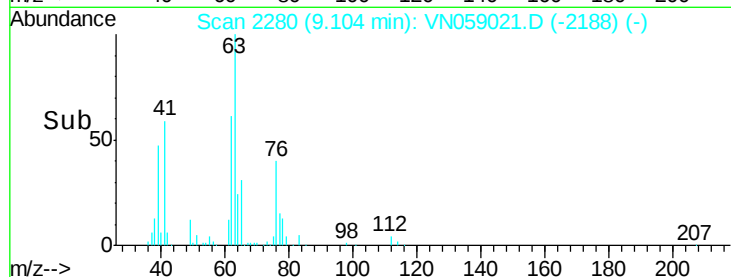
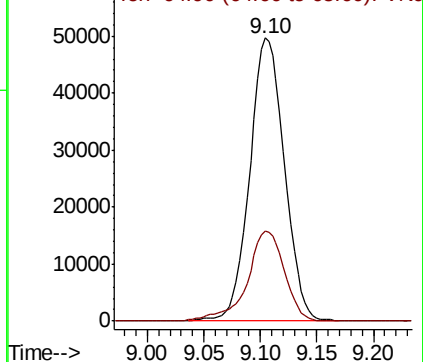
Ion Ratio Lower Upper

63 100

65 31.7 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.828 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

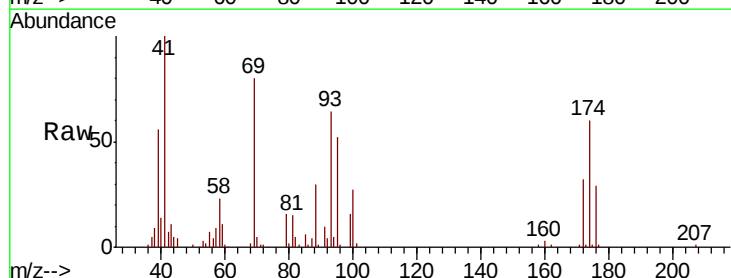
Tgt Ion: 93 Resp: 65687

Ion Ratio Lower Upper

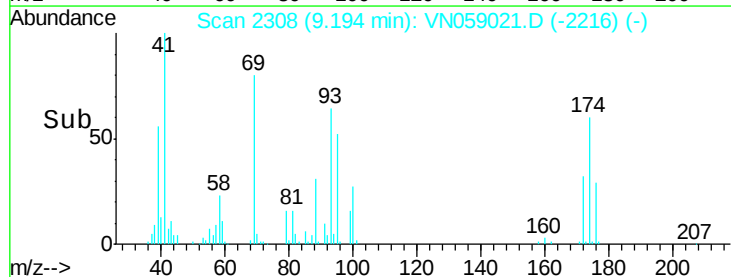
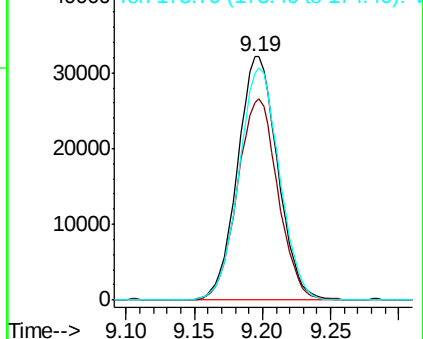
93 100

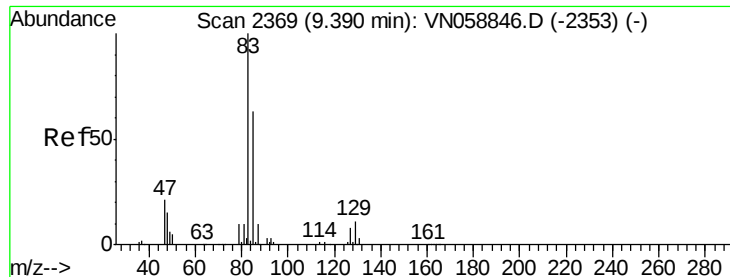
95 83.4 67.6 101.4

174 95.8 74.1 111.1



Abundance Ion 92.80 (92.50 to 93.50): VN0
Ion 94.80 (94.50 to 95.50): VN0
Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.115 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :
MSVOA_N
ClientSampleId :

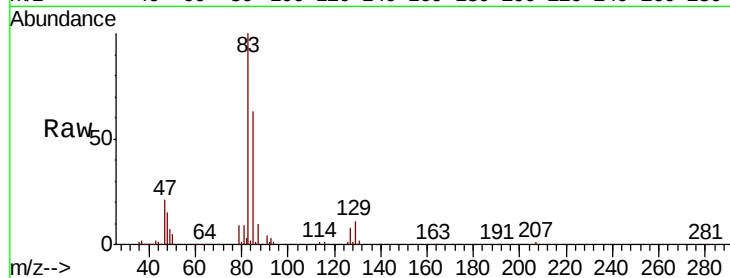
Tot Ion: 83 Resp: 137249

Ion Ratio Lower Upper

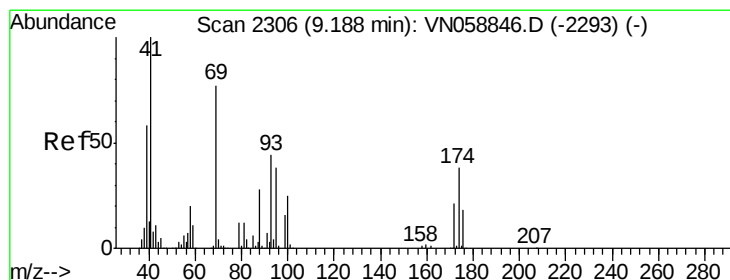
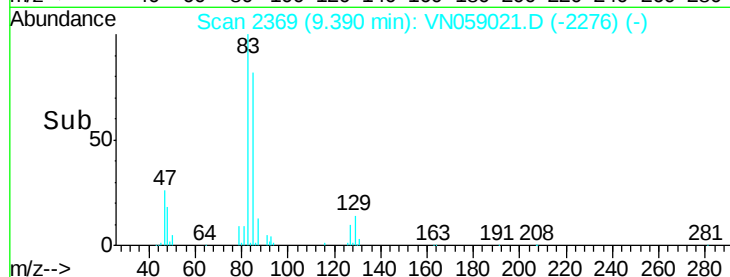
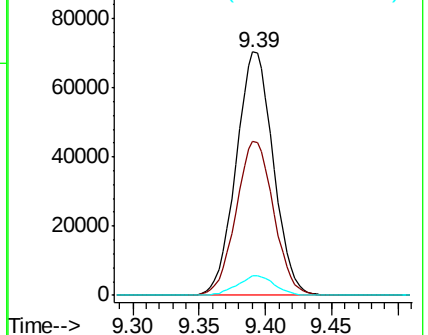
83 100

85 63.1 50.6 75.8

127 7.9 6.5 9.7



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



#48

Methyl methacrylate

Concen: 21.052 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

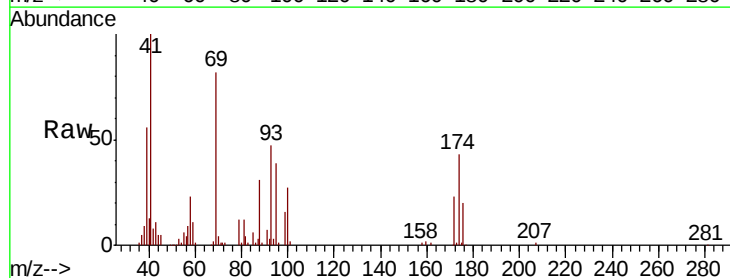
Tgt Ion: 41 Resp: 103408

Ion Ratio Lower Upper

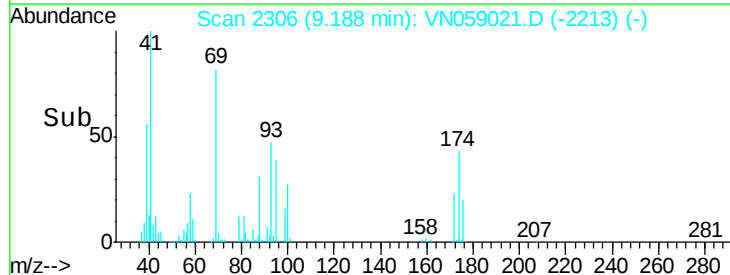
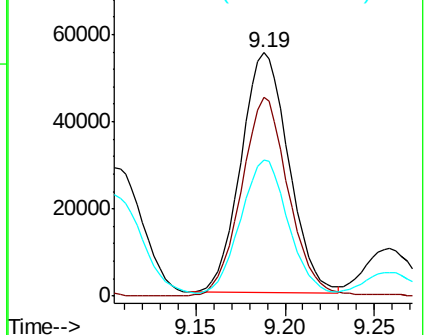
41 100

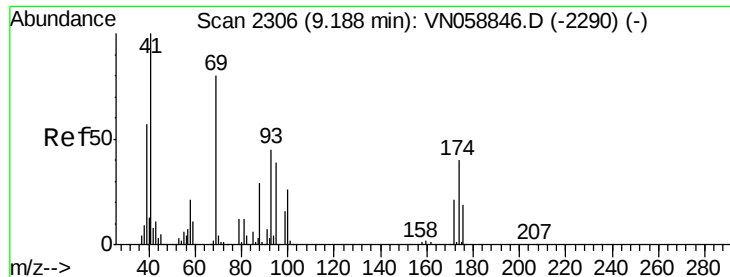
69 82.1 63.8 95.6

39 56.7 47.8 71.8



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





#49

1,4-Dioxane

Concen: 438.057 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :
MSVOA_N
ClientSampled :

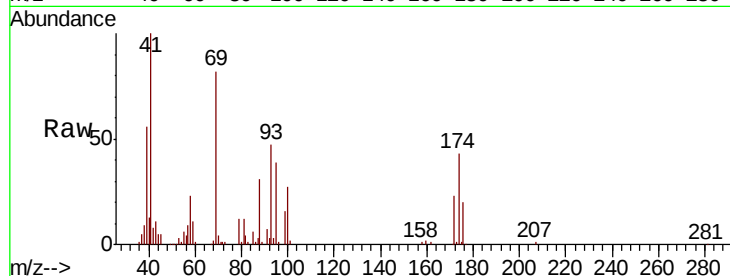
Tot Ion: 88 Resp: 35323

Ion Ratio Lower Upper

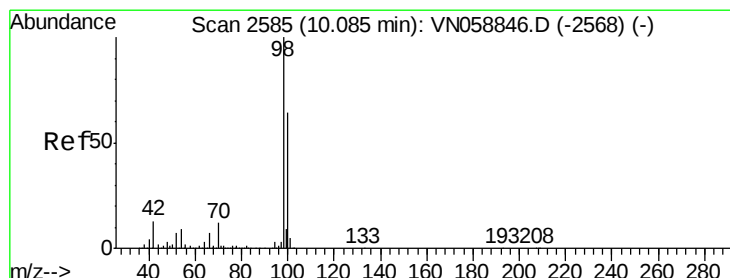
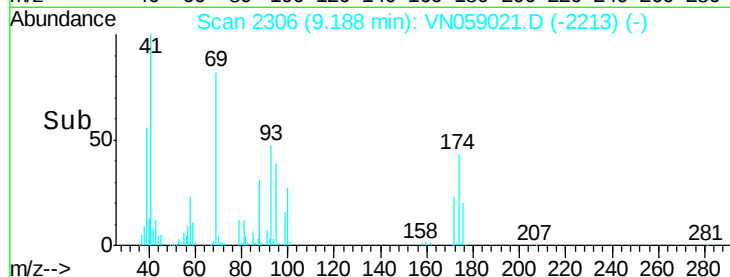
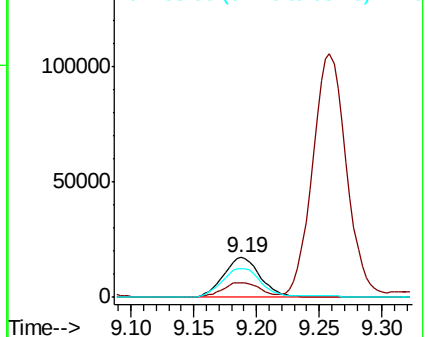
88 100

43 37.8 29.1 43.7

58 76.3 59.4 89.0



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: 47.991 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN059021.D

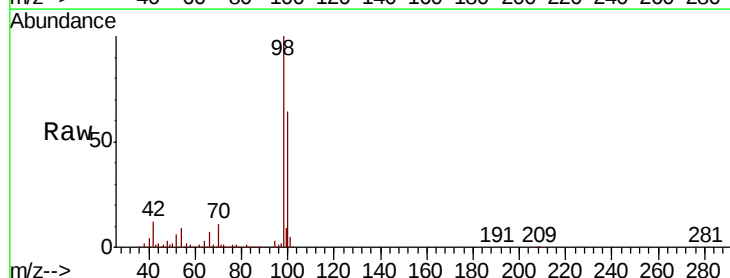
Acq: 30 Oct 2019 11:38

Tgt Ion: 98 Resp: 741215

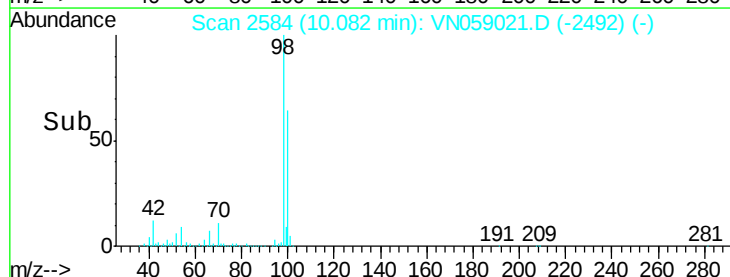
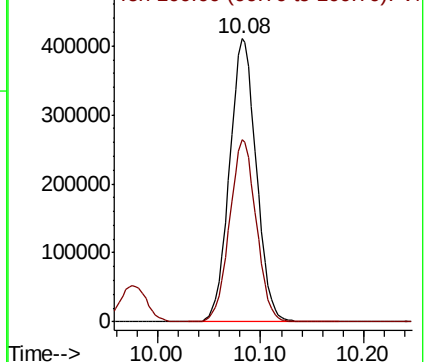
Ion Ratio Lower Upper

98 100

100 64.0 51.4 77.2



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: 118.290 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

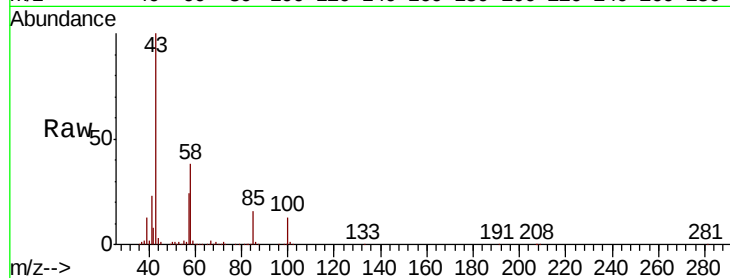
ClientSampleId :

Tot Ion: 43 Resp: 748044

Ion Ratio Lower Upper

43 100

58 37.9 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN058846.D (-2533) (-)

9.98

400000

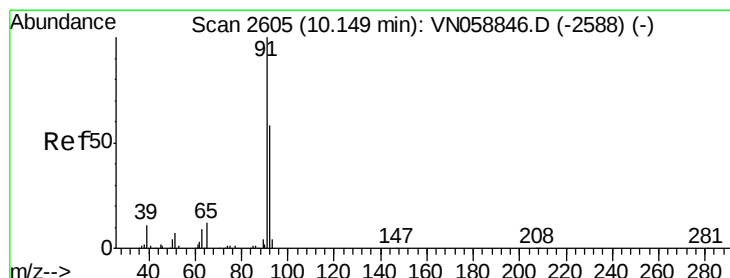
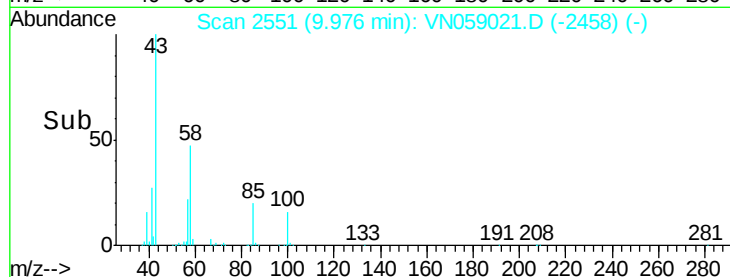
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 21.233 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN059021.D

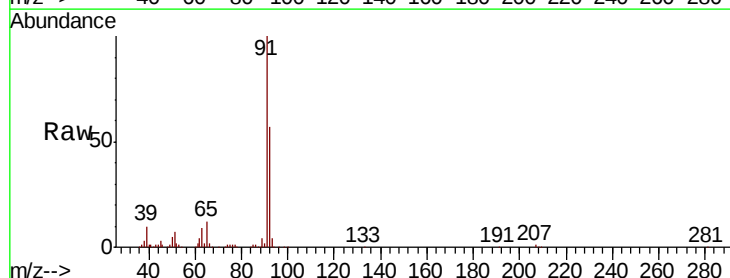
Acq: 30 Oct 2019 11:38

Tgt Ion: 92 Resp: 229081

Ion Ratio Lower Upper

92 100

91 174.0 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN058846.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN058846.D (-2588) (-)

10.15

250000

200000

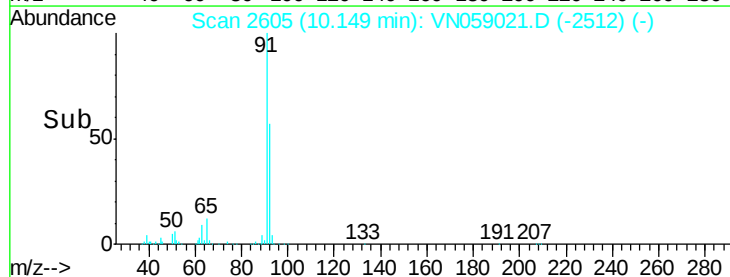
150000

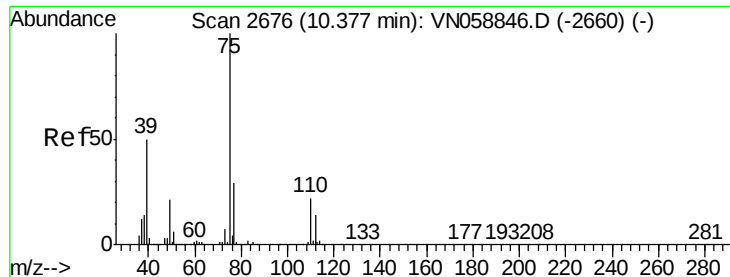
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.155 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

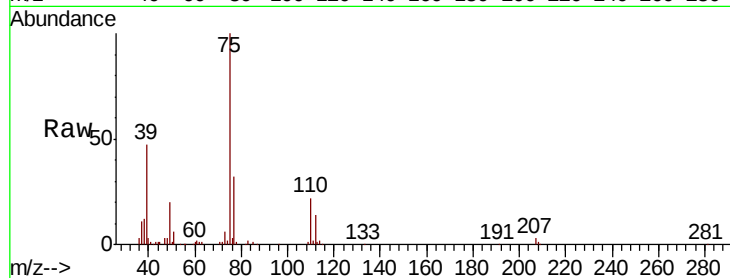
ClientSampleId :

Tot Ion: 75 Resp: 152230

Ion Ratio Lower Upper

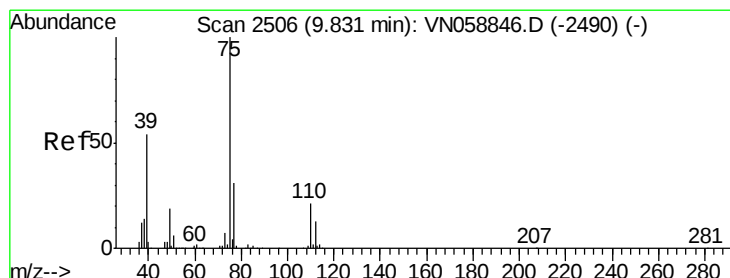
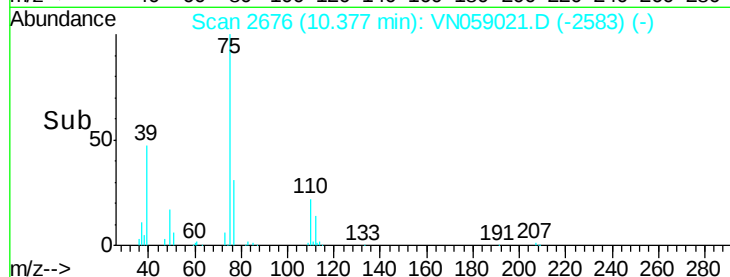
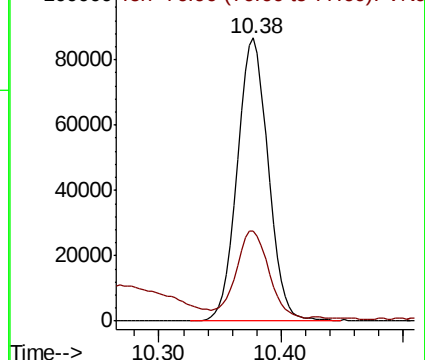
75 100

77 30.8 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 21.156 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

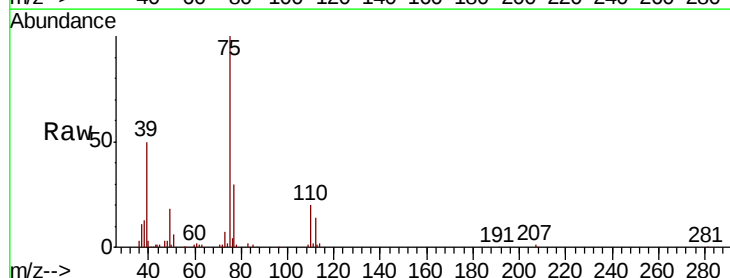
Tgt Ion: 75 Resp: 162641

Ion Ratio Lower Upper

75 100

77 29.7 24.7 37.1

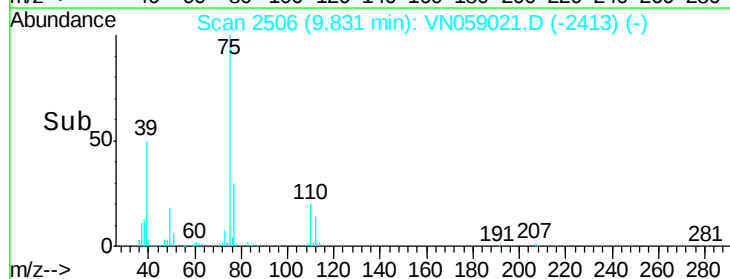
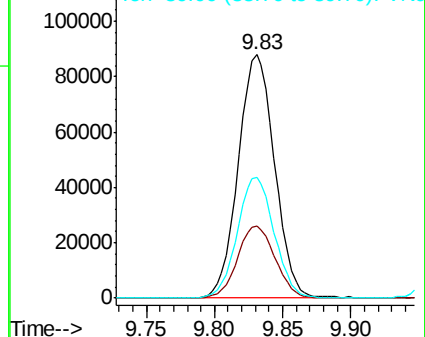
39 49.3 43.5 65.3

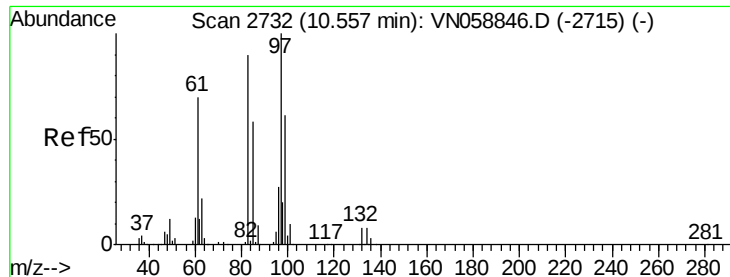


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 21.253 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 94459

Ion	Ratio	Lower	Upper
97	100		
83	89.9	72.2	108.4
85	58.3	46.2	69.2
99	62.0	48.7	73.1

Abundance

Ion 96.90 (96.60 to 97.60): VN0

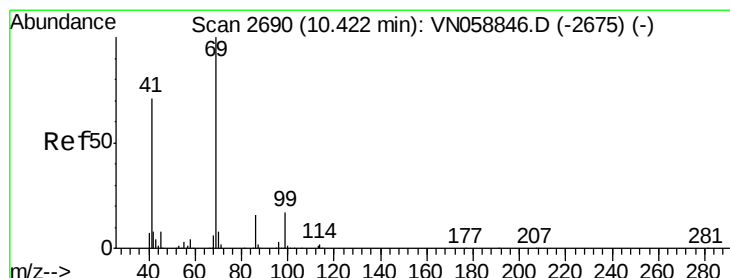
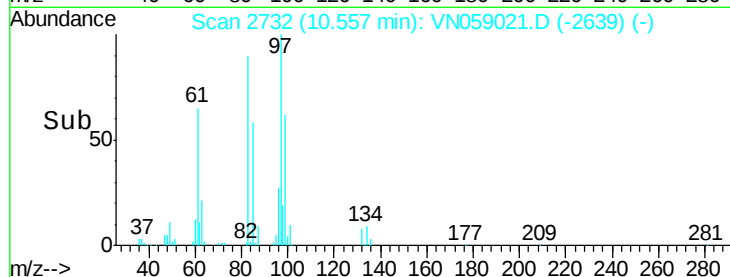
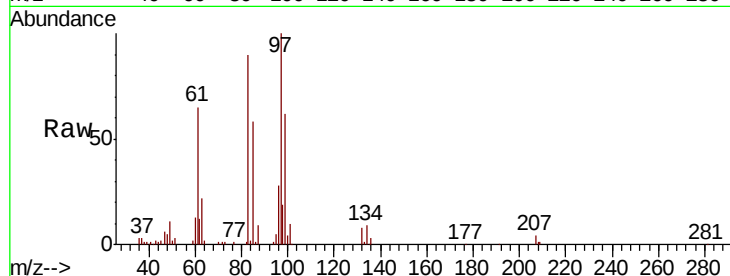
Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

10.56

Time-->



#56

Ethyl methacrylate

Concen: 20.128 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Tgt Ion: 69 Resp: 140501

Ion	Ratio	Lower	Upper
69	100		
41	69.0	57.2	85.8
39	37.0	31.0	46.4

Abundance

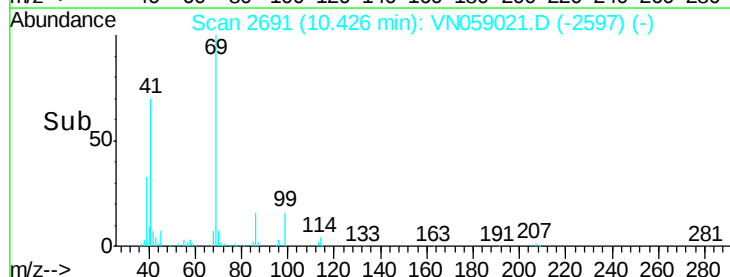
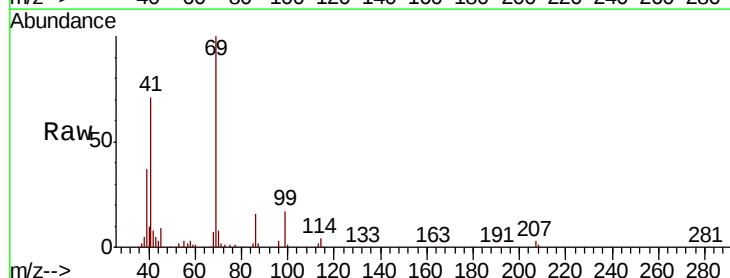
Ion 69.00 (68.70 to 69.70): VN0

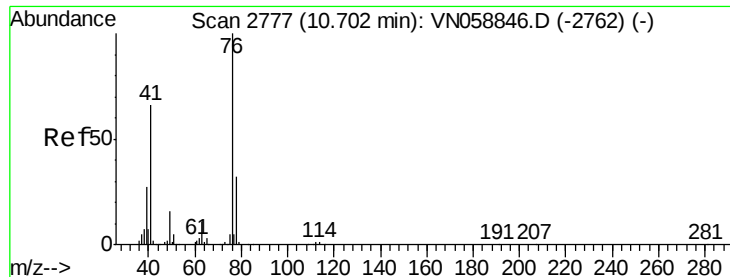
Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

10.43

Time-->





#57

1,3-Dichloropropane

Concen: 21.386 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

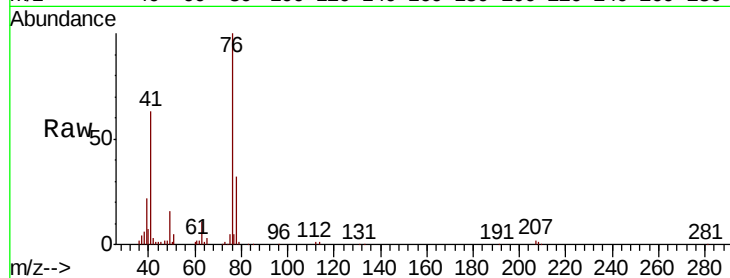
ClientSampled :

Tot Ion: 76 Resp: 166820

Ion Ratio Lower Upper

76 100

78 32.5 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN059021.D (-2684) (-)

Ion 77.90 (77.60 to 78.60): VN059021.D (-2684) (-)

10.70

80000

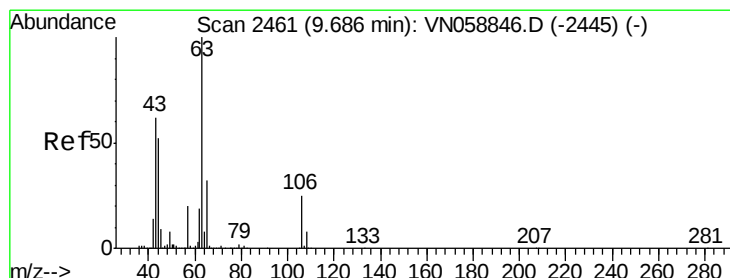
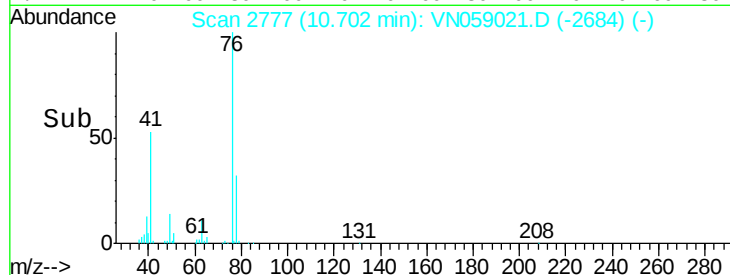
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 99.104 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN059021.D

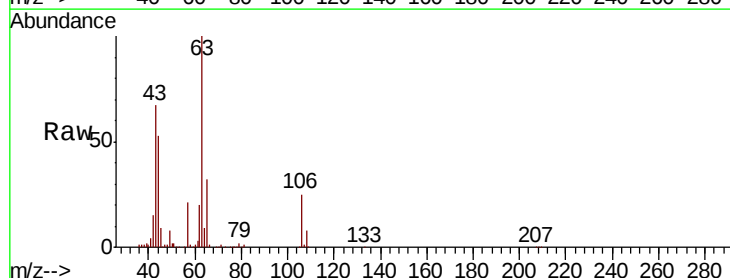
Acq: 30 Oct 2019 11:38

Tgt Ion: 63 Resp: 301404

Ion Ratio Lower Upper

63 100

106 24.5 19.8 29.8



Abundance Ion 62.90 (62.60 to 63.60): VN059021.D (-2368) (-)

Ion 105.90 (105.60 to 106.60): VN059021.D (-2368) (-)

9.69

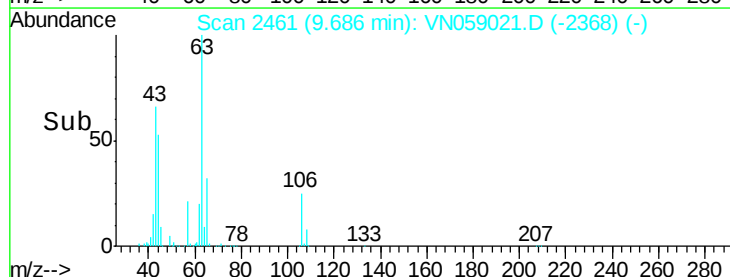
150000

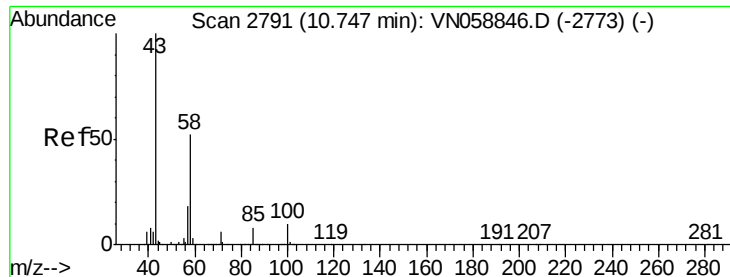
100000

50000

0

Time-->

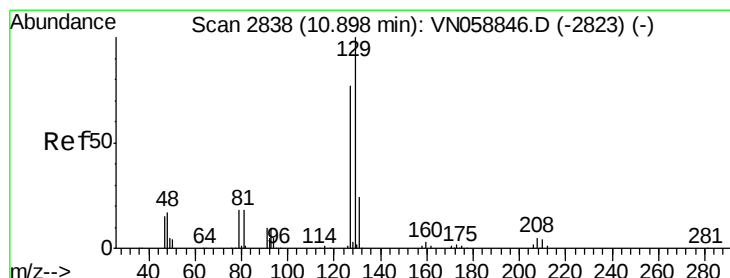
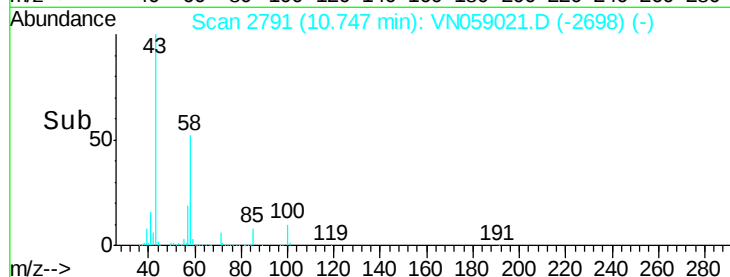
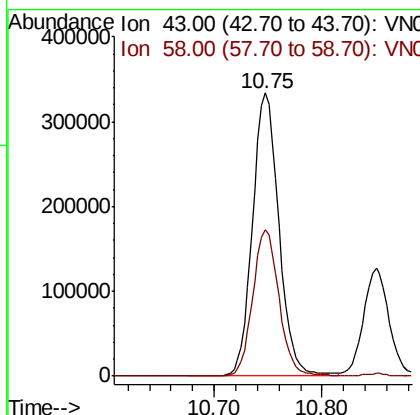
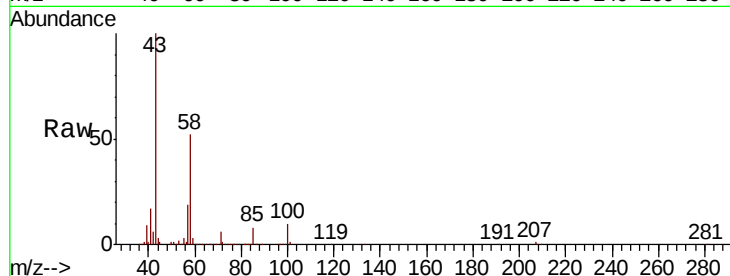




#59
2-Hexanone
Concen: 115.555 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

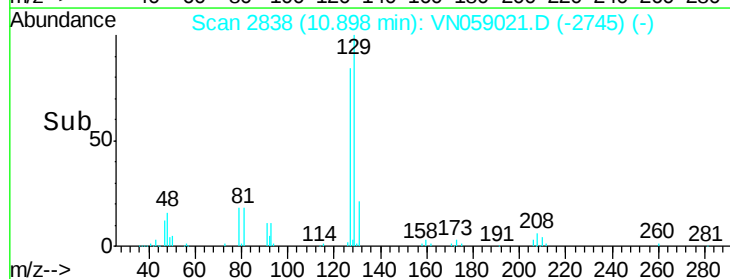
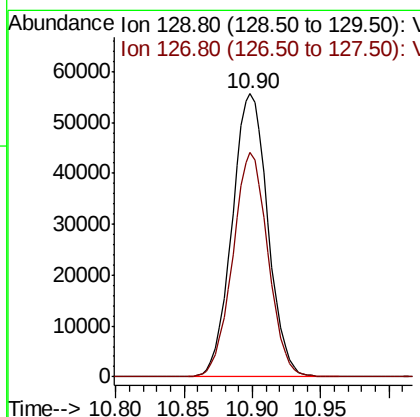
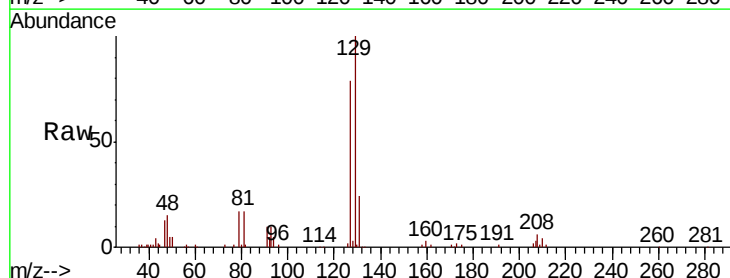
Instrument :
MSVOA_N
ClientSampleId :

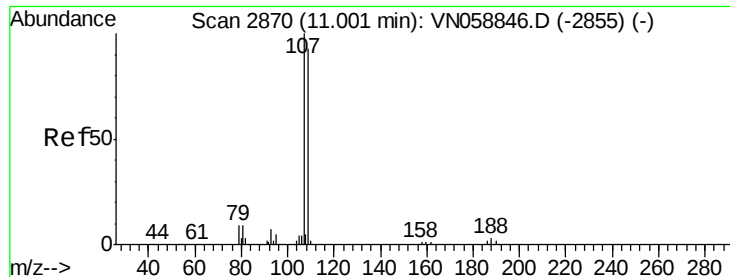
Tot Ion: 43 Resp: 564671
Ion Ratio Lower Upper
43 100
58 51.8 25.9 77.7



#60
Dibromochloromethane
Concen: 21.161 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Tgt Ion: 129 Resp: 101228
Ion Ratio Lower Upper
129 100
127 77.9 39.1 117.3

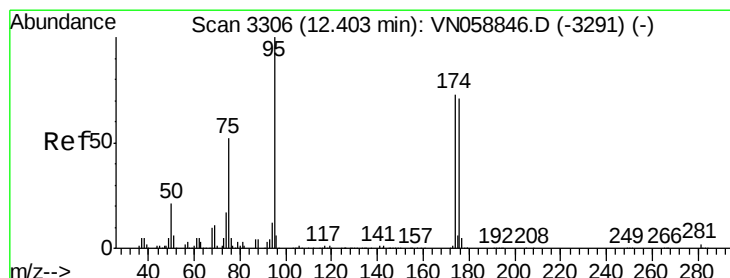
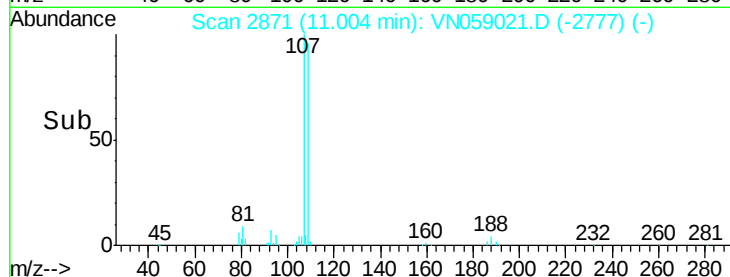
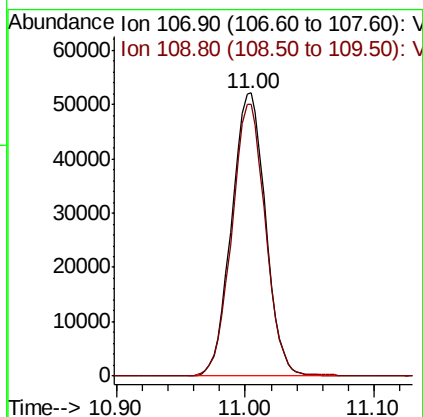
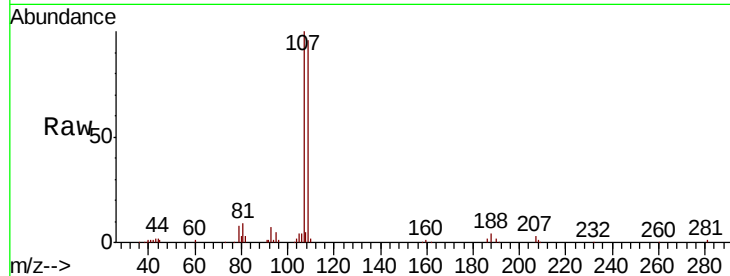




#61
 1,2-Dibromoethane
 Concen: 20.953 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN059021.D
 Acq: 30 Oct 2019 11:38

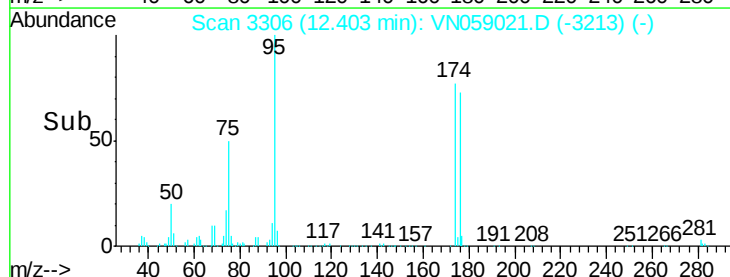
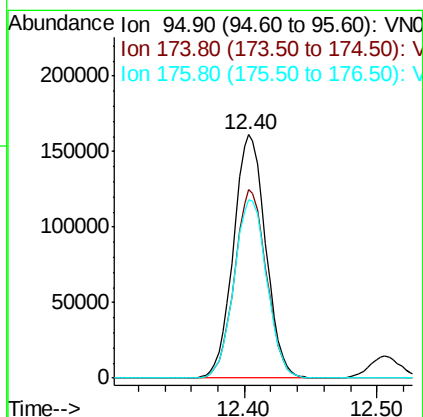
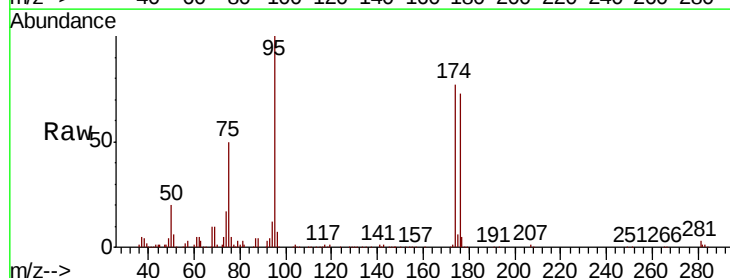
Instrument :
 MSVOA_N
 ClientSampleId :

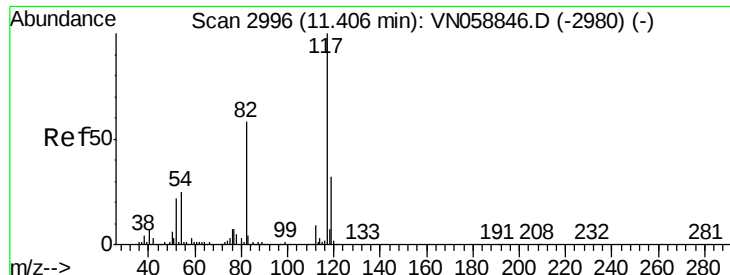
Tot Ion:107 Resp: 95300
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 47.971 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059021.D
 Acq: 30 Oct 2019 11:38

Tgt Ion: 95 Resp: 272077
 Ion Ratio Lower Upper
 95 100
 174 76.8 0.0 147.6
 176 74.5 0.0 143.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

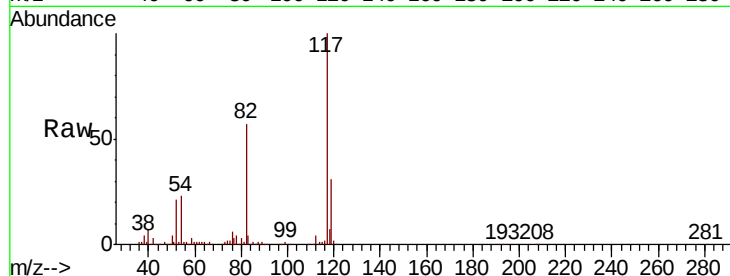
Tot Ion:117 Resp: 560599

Ion Ratio Lower Upper

117 100

82 57.3 46.6 69.8

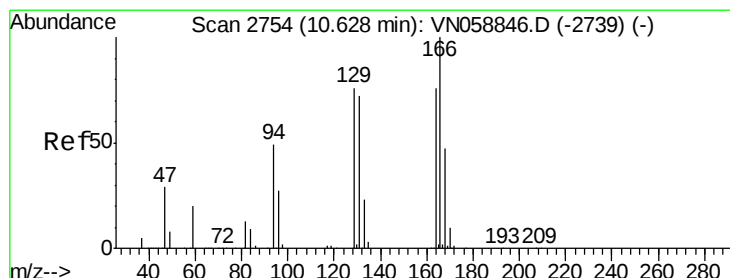
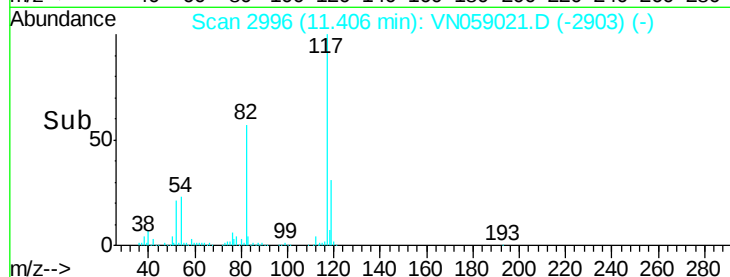
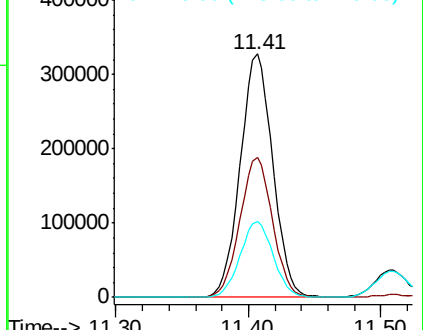
119 31.2 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.104 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Tgt Ion:164 Resp: 78931

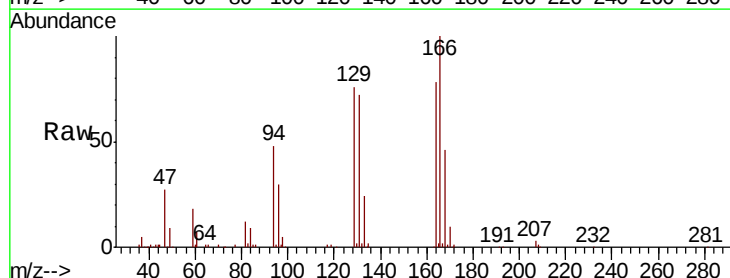
Ion Ratio Lower Upper

164 100

166 128.3 104.8 157.2

129 97.7 79.3 118.9

131 92.9 75.8 113.6

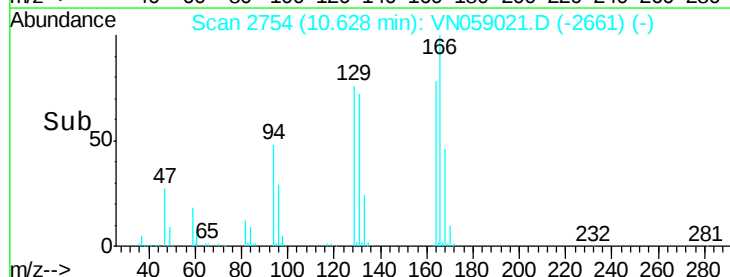
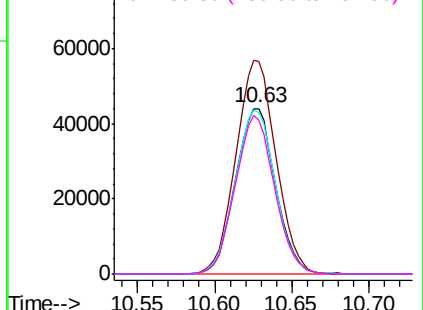


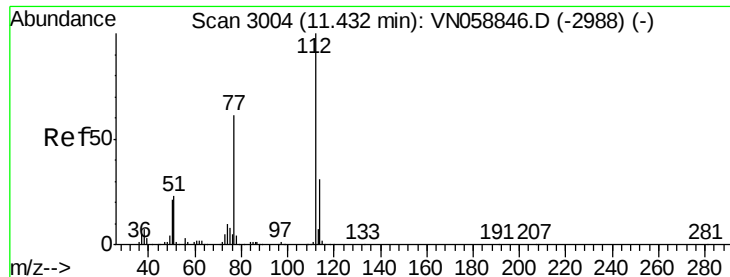
Abundance Ion 163.80 (163.50 to 164.50): V

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: 21.070 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

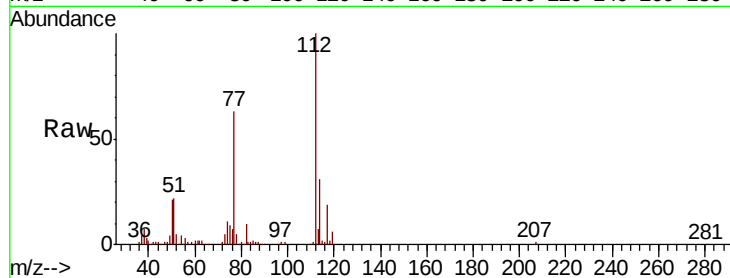
ClientSampled :

Tot Ion:112 Resp: 240475

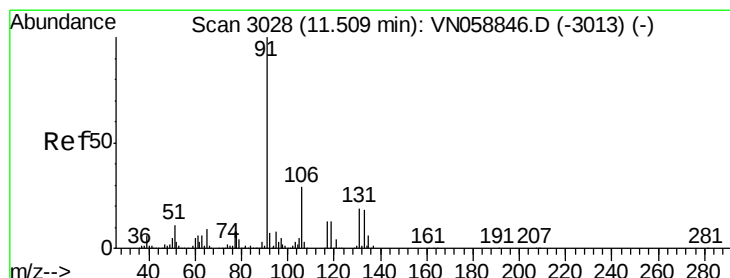
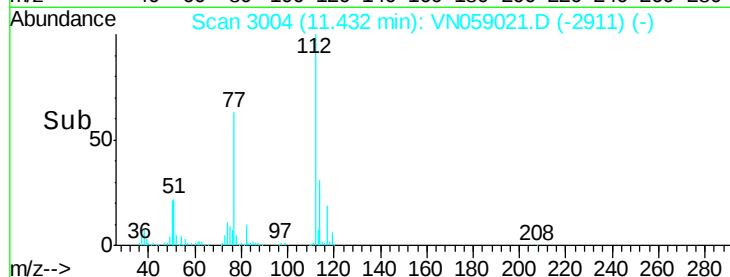
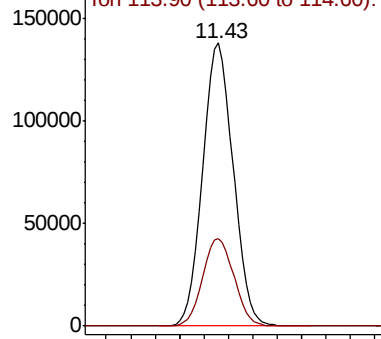
Ion Ratio Lower Upper

112 100

114 31.0 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.916 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

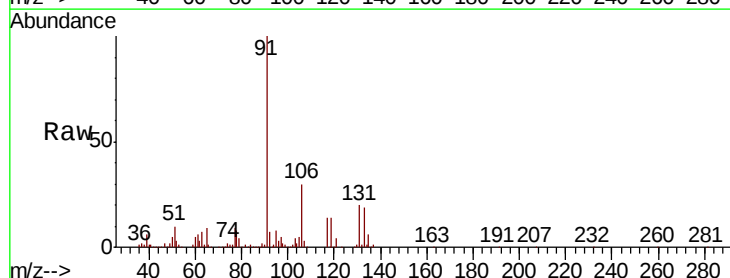
Tgt Ion:131 Resp: 94389

Ion Ratio Lower Upper

131 100

133 94.8 48.4 145.2

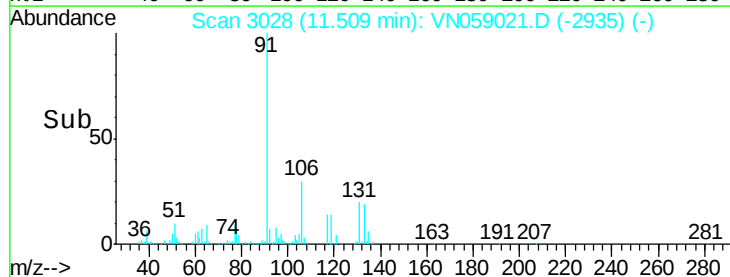
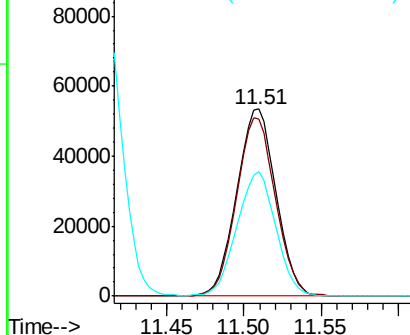
119 66.2 33.6 100.8

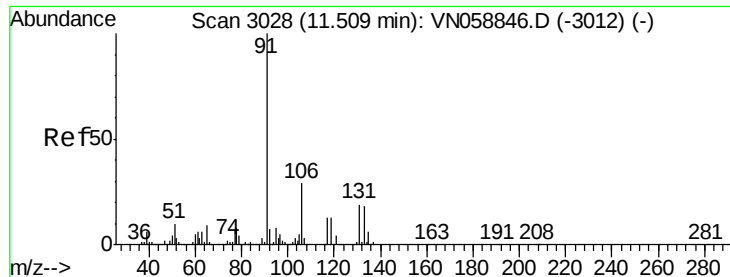


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 21.727 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

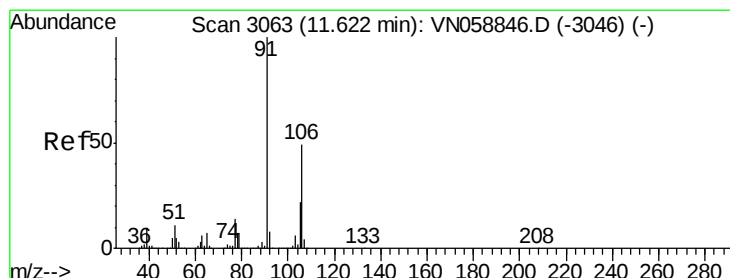
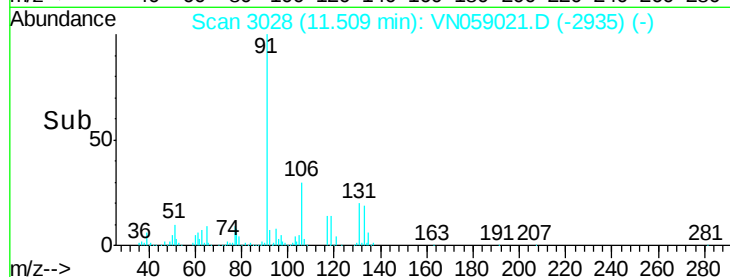
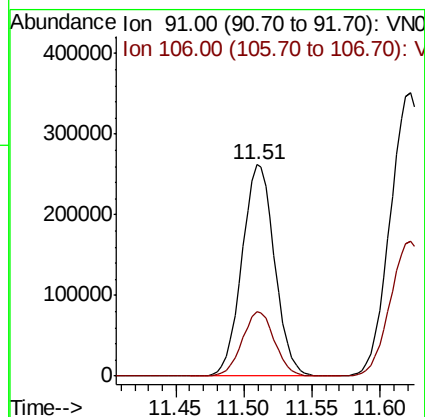
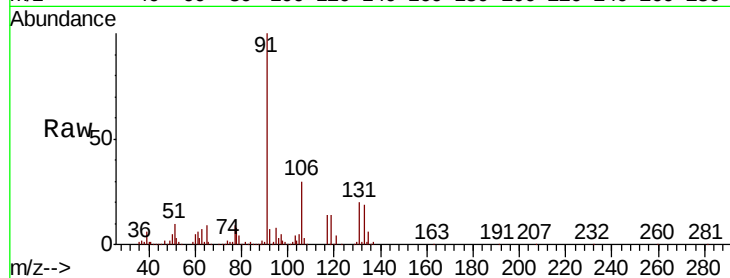
ClientSampled :

Tot Ion: 91 Resp: 434993

Ion Ratio Lower Upper

91 100

106 30.2 23.4 35.0



#68

m/p-Xylenes

Concen: 43.066 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN059021.D

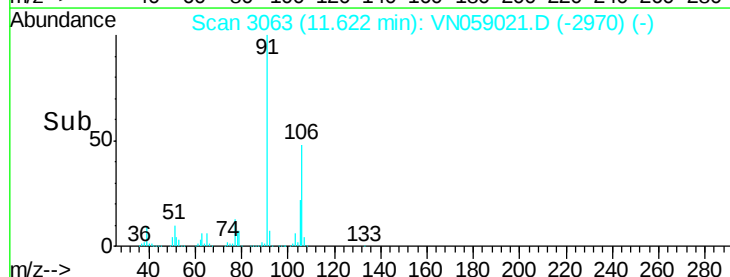
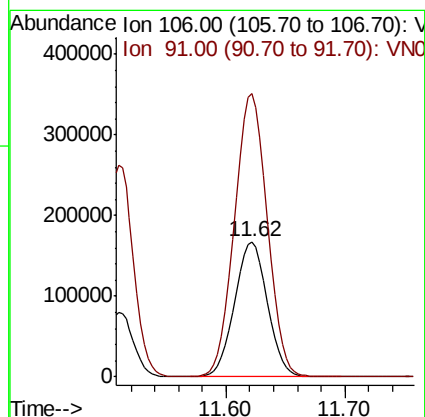
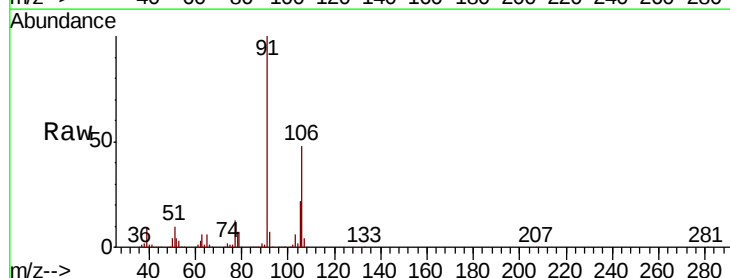
Acq: 30 Oct 2019 11:38

Tgt Ion: 106 Resp: 319754

Ion Ratio Lower Upper

106 100

91 210.3 166.6 249.8

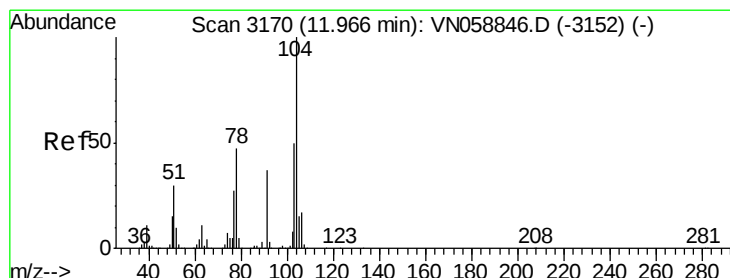
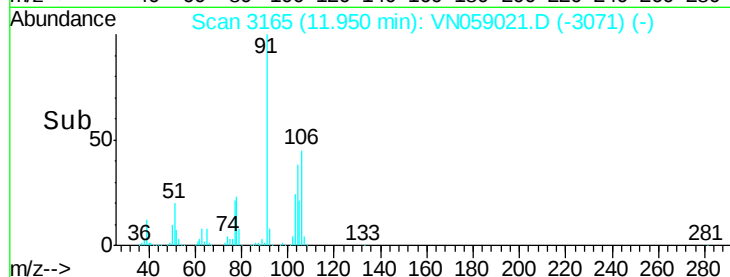
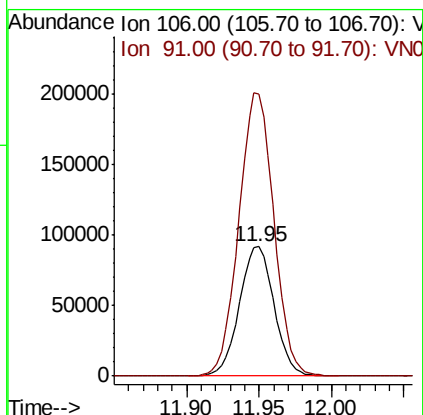
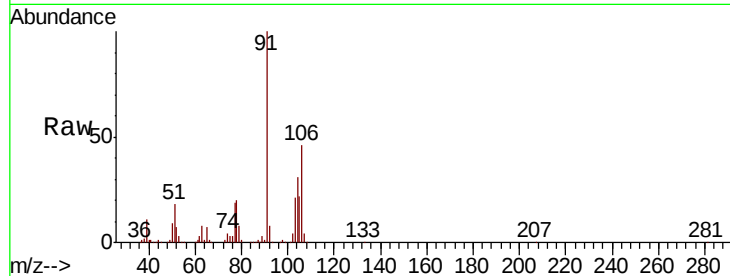




#69
o-Xylene
Concen: 21.523 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

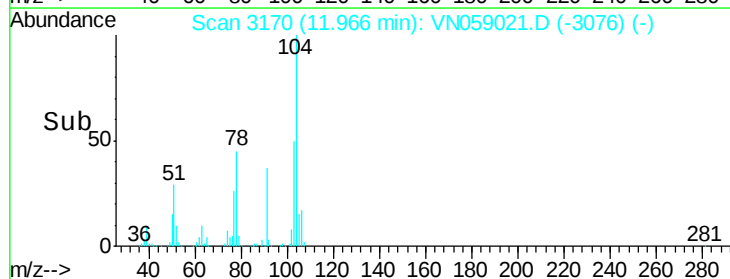
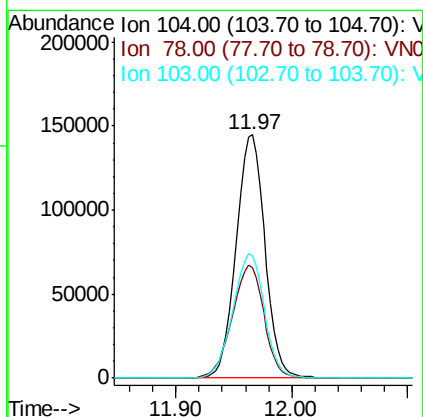
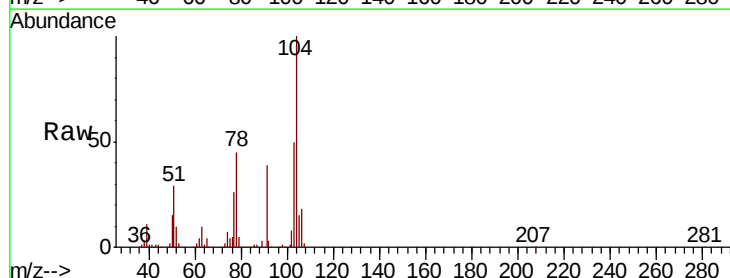
Instrument :
MSVOA_N
ClientSampled :

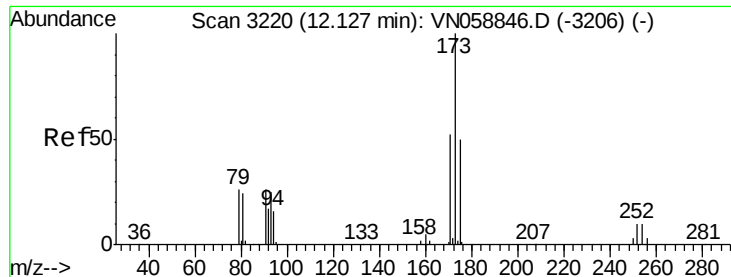
Tot Ion:106 Resp: 152411
Ion Ratio Lower Upper
106 100
91 221.4 111.5 334.4



#70
Styrene
Concen: 20.149 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Tgt Ion:104 Resp: 249517
Ion Ratio Lower Upper
104 100
78 51.2 42.8 64.2
103 56.0 44.3 66.5





#71

Bromoform

Concen: 21.695 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

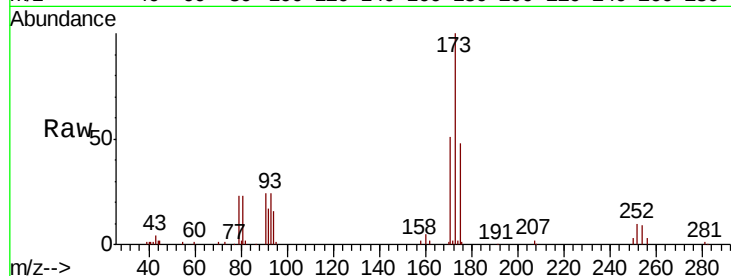
Tot Ion:173 Resp: 72454

Ion Ratio Lower Upper

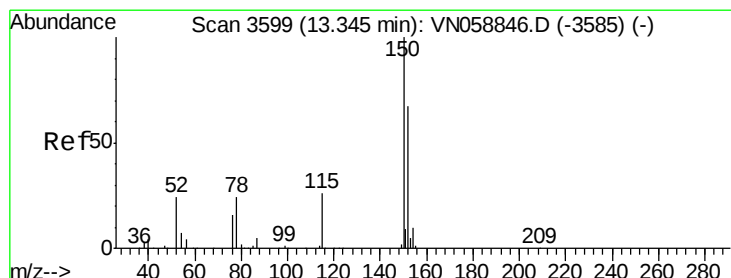
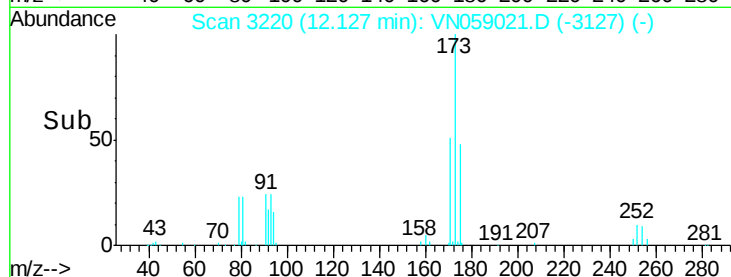
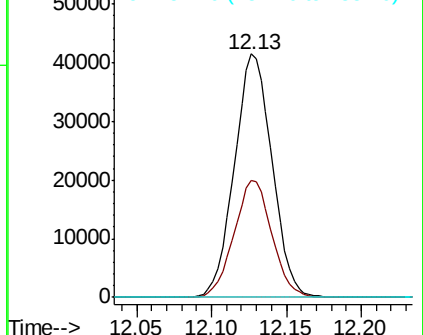
173 100

175 48.3 24.7 74.1

254 0.0 0.0 0.0



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: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

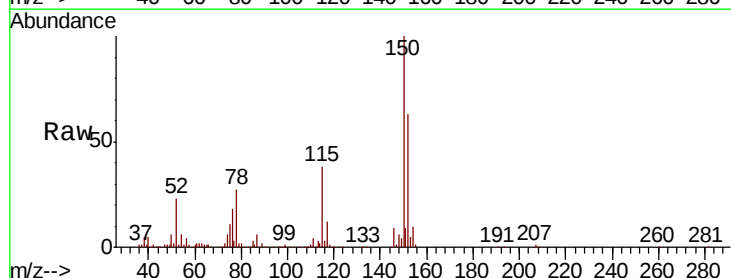
Tgt Ion:152 Resp: 260160

Ion Ratio Lower Upper

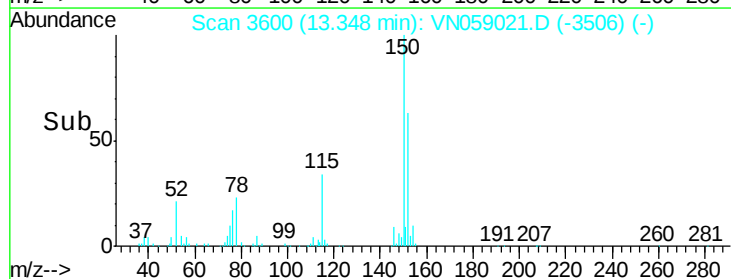
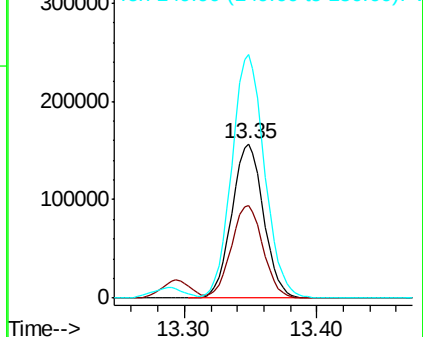
152 100

115 59.7 30.5 91.5

150 163.2 0.0 344.4



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: 21.958 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

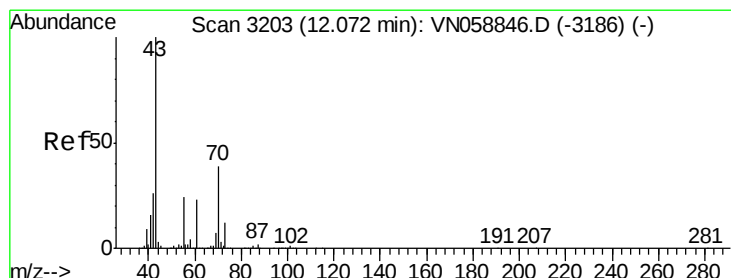
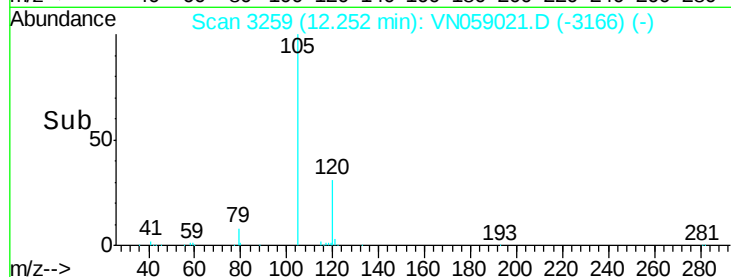
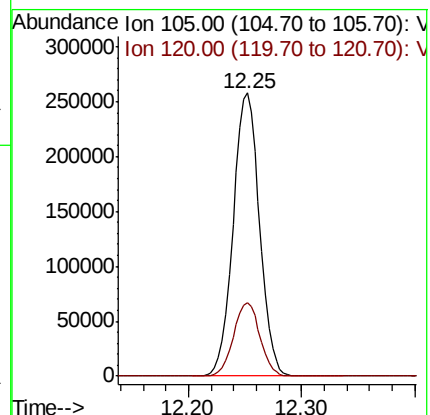
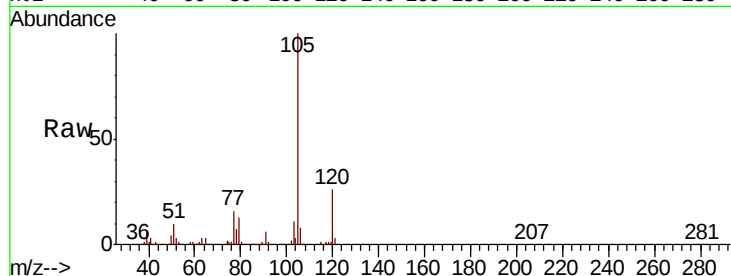
ClientSampleId :

Tot Ion:105 Resp: 417486

Ion Ratio Lower Upper

105 100

120 26.1 12.8 38.4



#74

N-ethyl acetate

Concen: 21.947 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Tgt Ion: 43 Resp: 189177

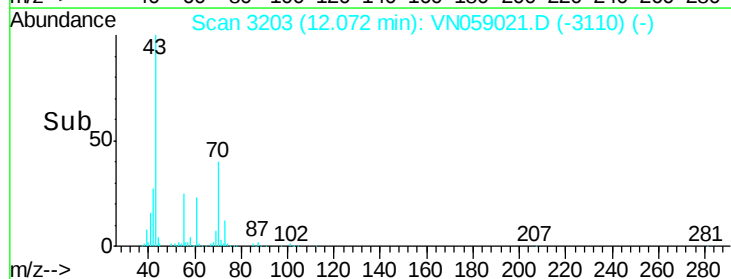
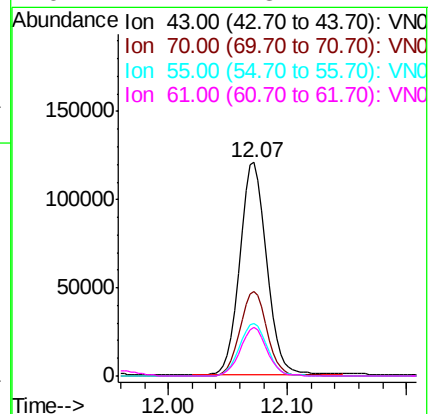
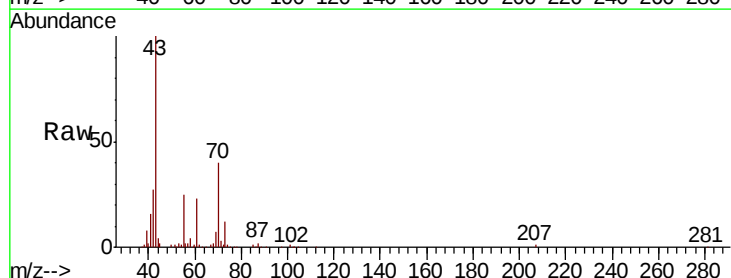
Ion Ratio Lower Upper

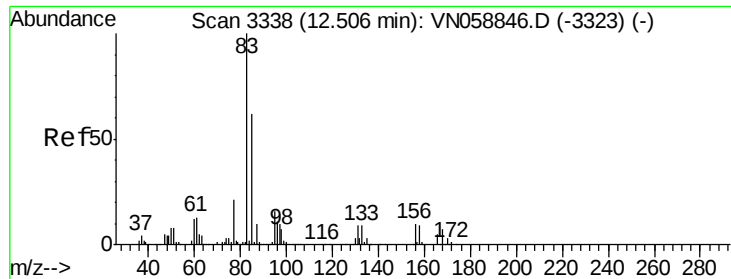
43 100

70 39.8 30.9 46.3

55 25.6 19.7 29.5

61 22.7 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 22.359 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

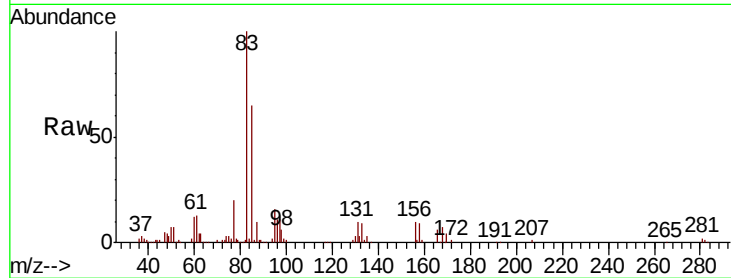
Tot Ion: 83 Resp: 149478

Ion Ratio Lower Upper

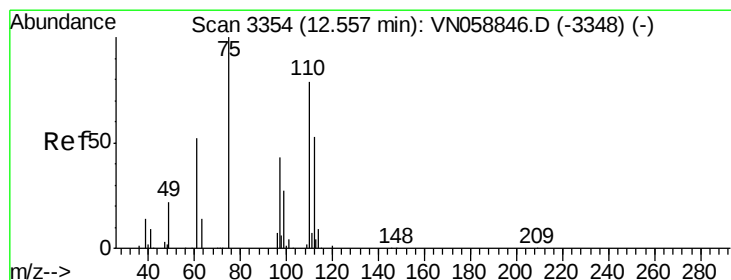
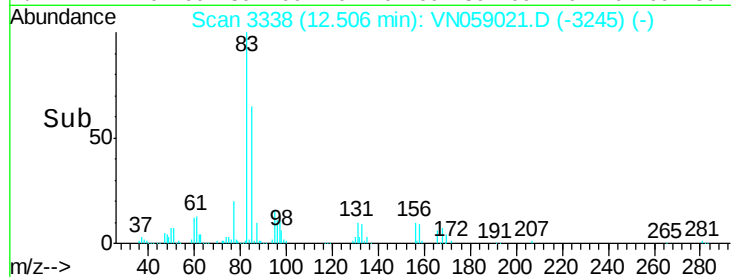
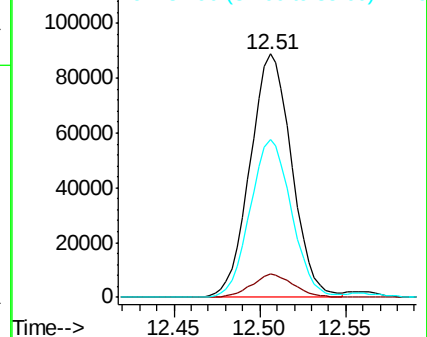
83 100

131 9.6 4.7 14.1

85 64.4 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 32.633 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN059021.D

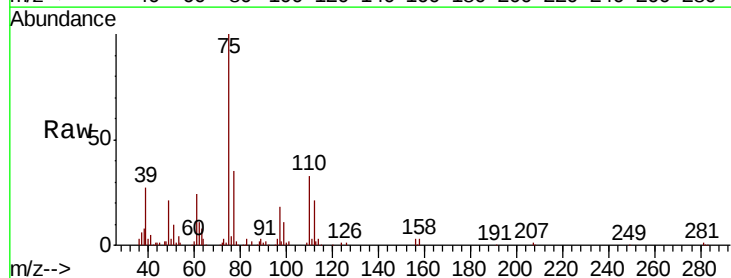
Acq: 30 Oct 2019 11:38

Tgt Ion: 75 Resp: 196759

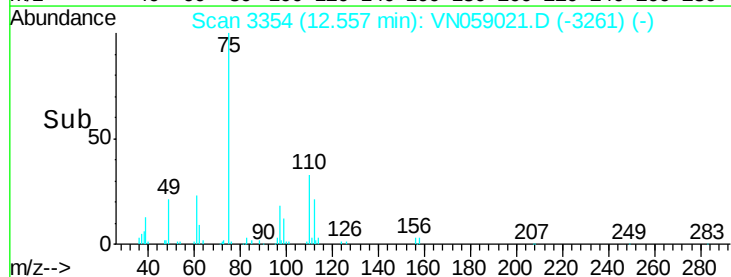
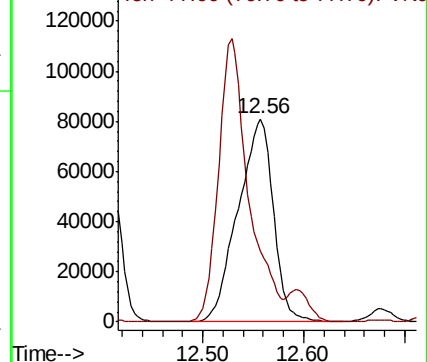
Ion Ratio Lower Upper

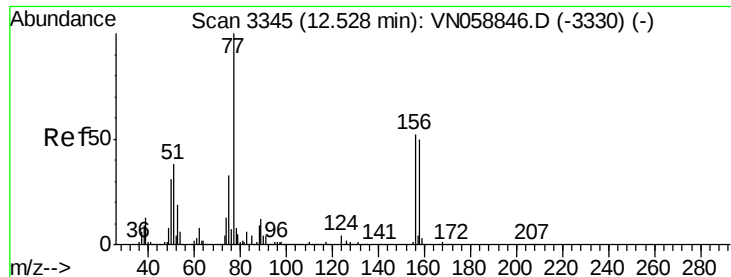
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 21.674 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

ClientSampled :

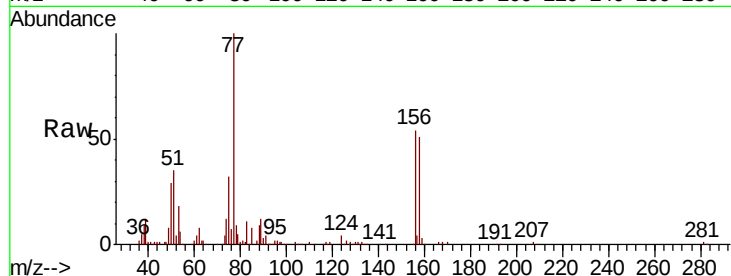
Tot Ion:156 Resp: 101571

Ion Ratio Lower Upper

156 100

77 232.6 118.0 354.0

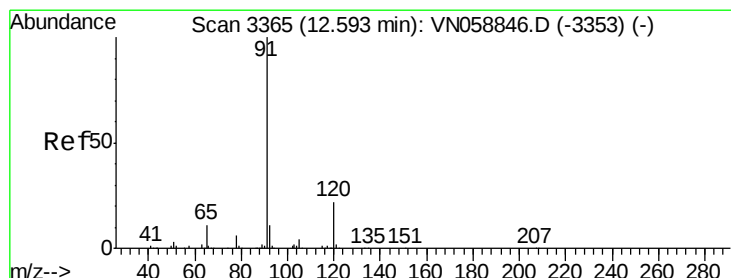
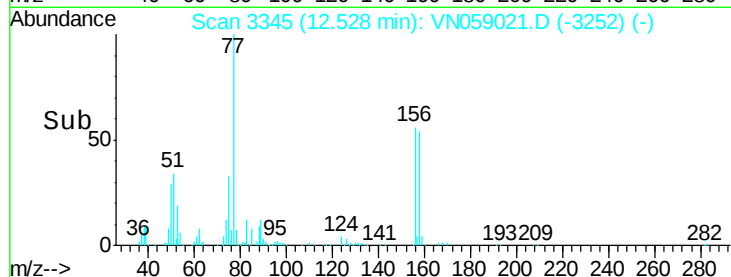
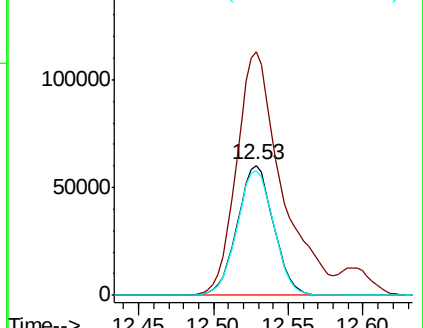
158 97.5 48.3 144.8



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: 21.567 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059021.D

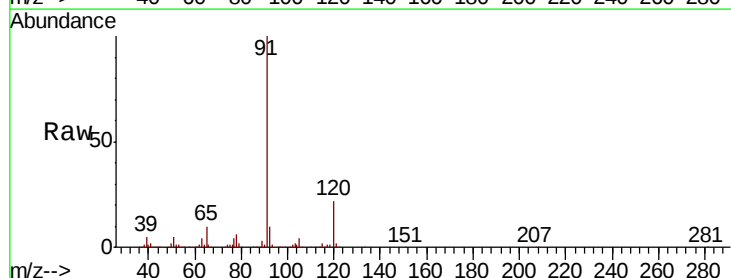
Acq: 30 Oct 2019 11:38

Tgt Ion: 91 Resp: 484696

Ion Ratio Lower Upper

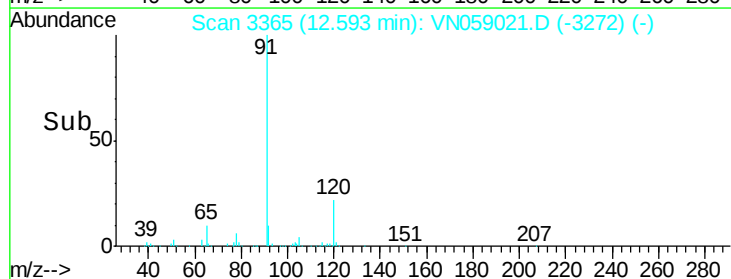
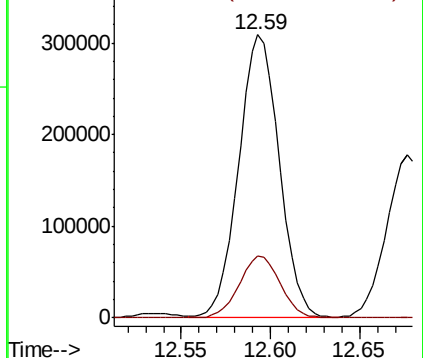
91 100

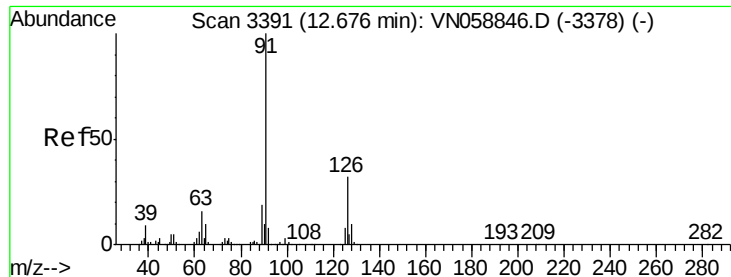
120 22.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.315 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

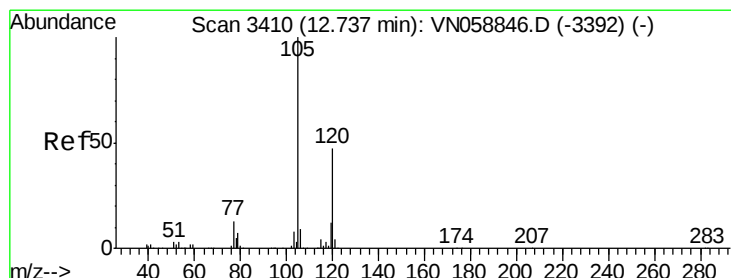
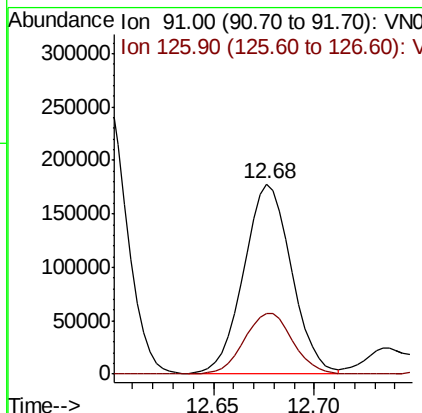
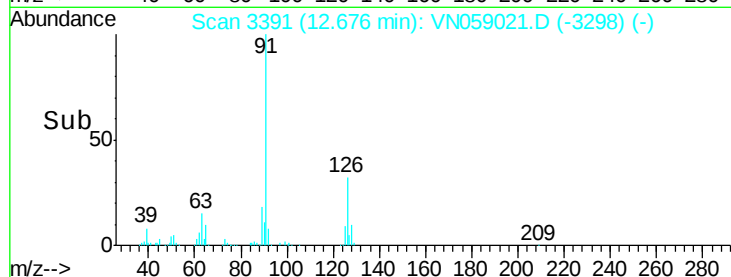
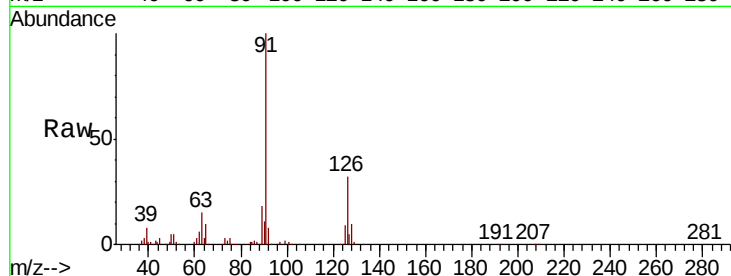
ClientSampled :

Tot Ion: 91 Resp: 293189

Ion Ratio Lower Upper

91 100

126 32.8 16.2 48.6



#80

1,3,5-Trimethylbenzene

Concen: 21.894 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN059021.D

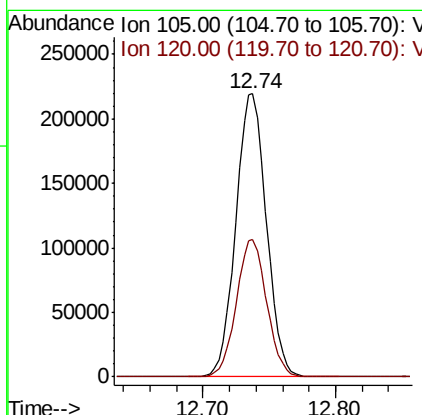
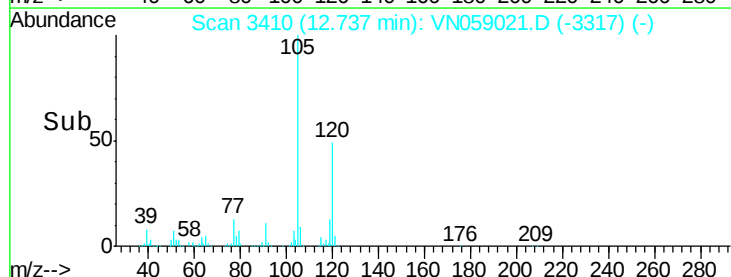
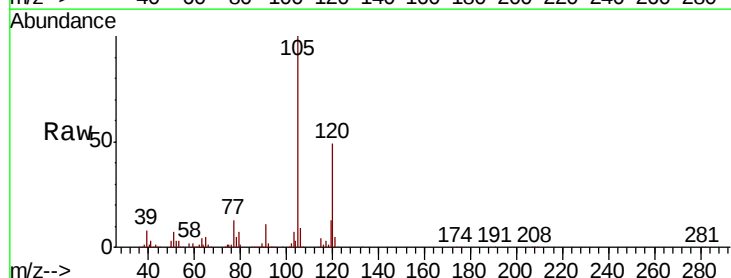
Acq: 30 Oct 2019 11:38

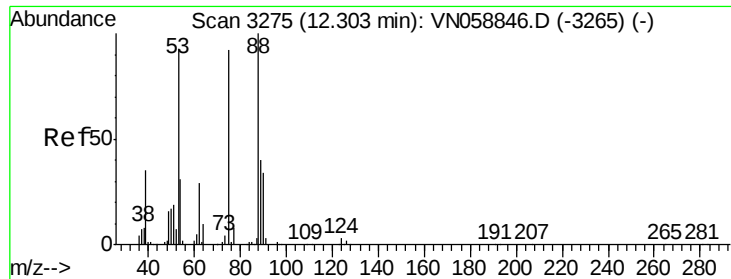
Tgt Ion: 105 Resp: 349745

Ion Ratio Lower Upper

105 100

120 48.3 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 21.900 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

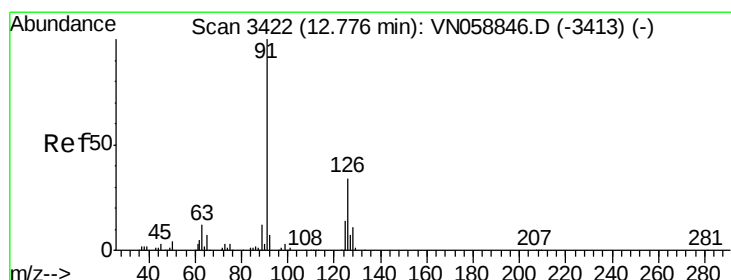
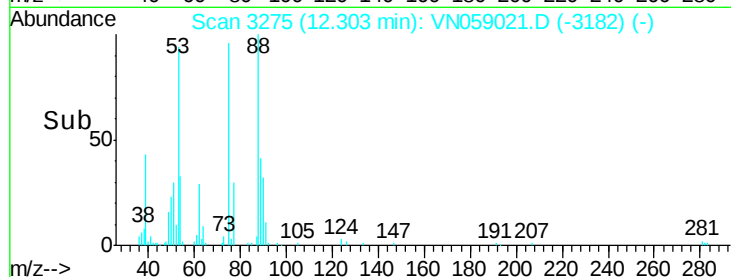
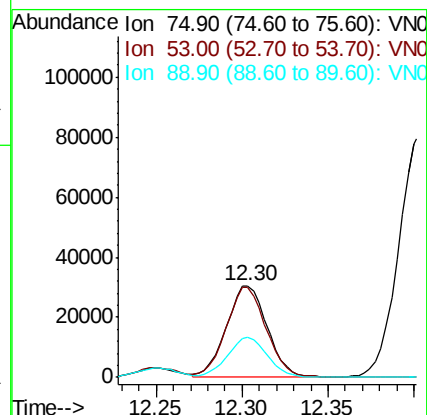
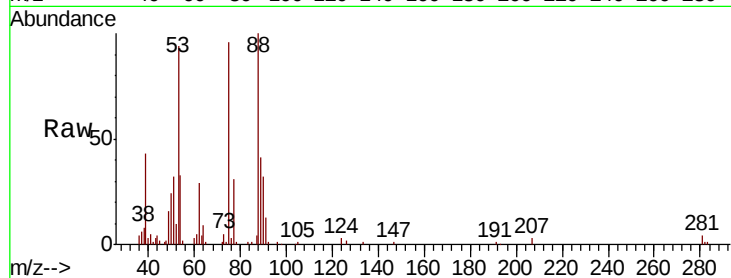
Tot Ion: 75 Resp: 50689

Ion Ratio Lower Upper

75 100

53 96.7 78.6 118.0

89 42.3 35.4 53.0



#82

4-Chlorotoluene

Concen: 21.038 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN059021.D

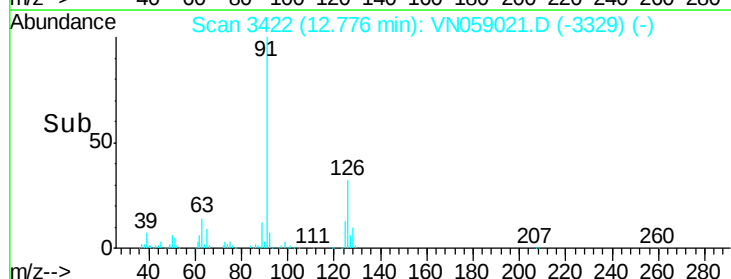
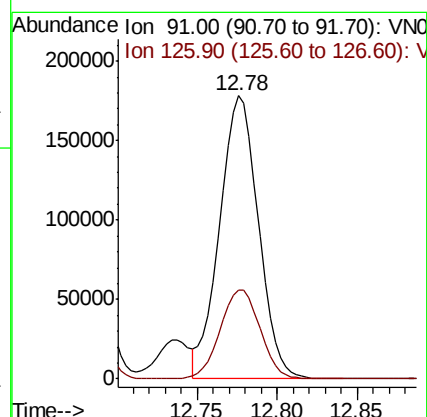
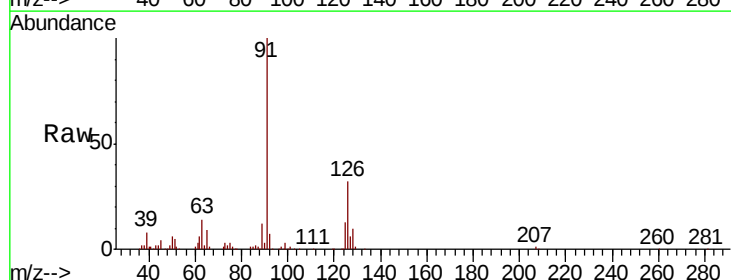
Acq: 30 Oct 2019 11:38

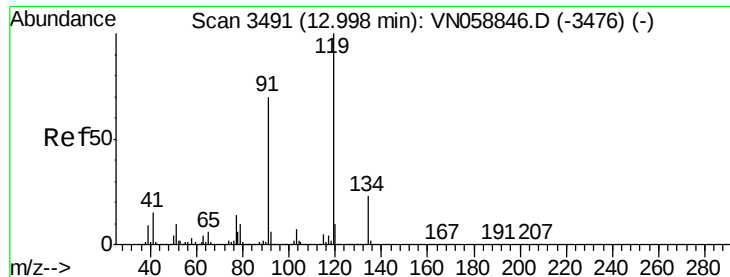
Tgt Ion: 91 Resp: 295726

Ion Ratio Lower Upper

91 100

126 32.3 16.0 47.9

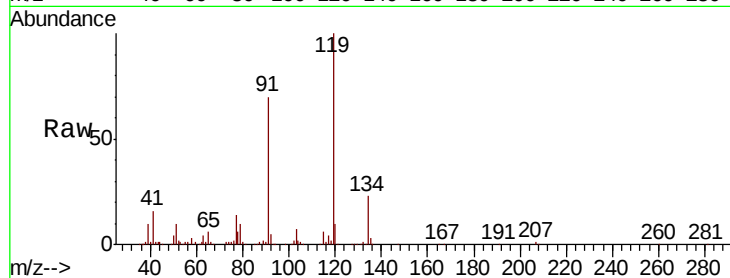




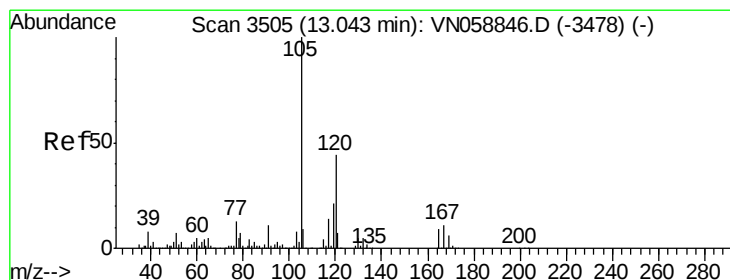
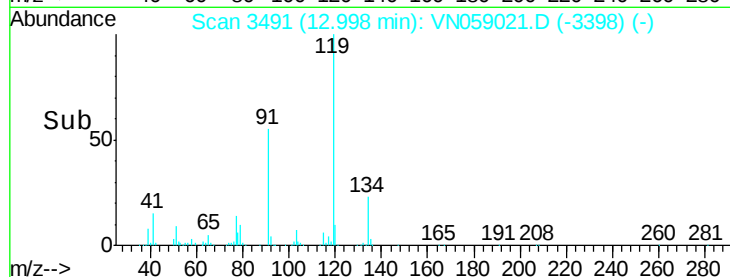
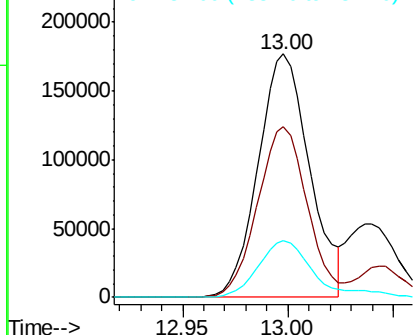
#83
tert-Butylbenzene
Concen: 21.971 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 300129
Ion Ratio Lower Upper
119 100
91 67.9 34.1 102.3
134 25.3 11.6 34.8

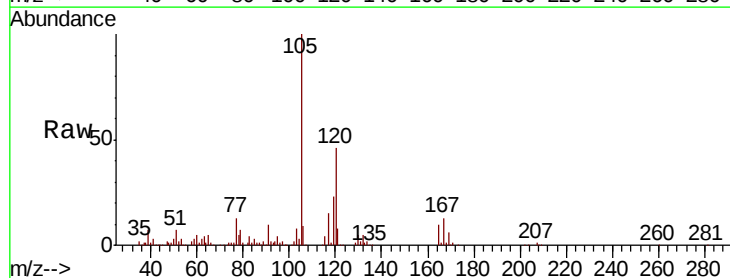


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

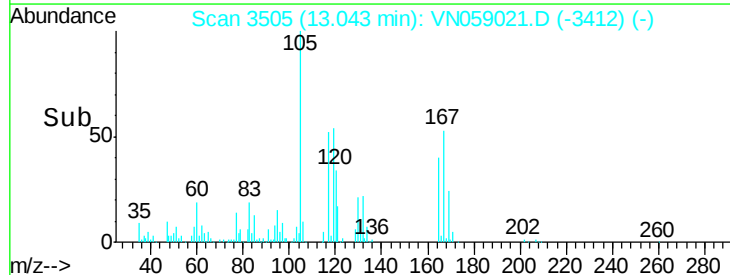
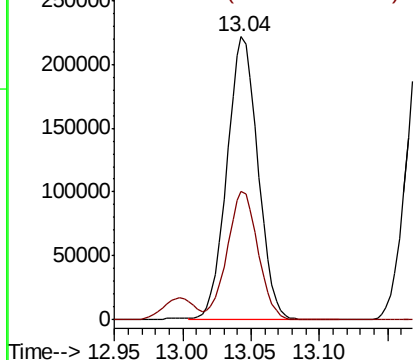


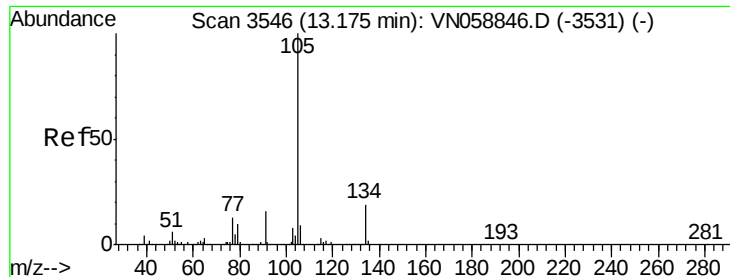
#84
1,2,4-Trimethylbenzene
Concen: 22.114 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Tgt Ion:105 Resp: 348437
Ion Ratio Lower Upper
105 100
120 45.3 21.9 65.8



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





#85

sec-Butylbenzene

Concen: 21.981 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

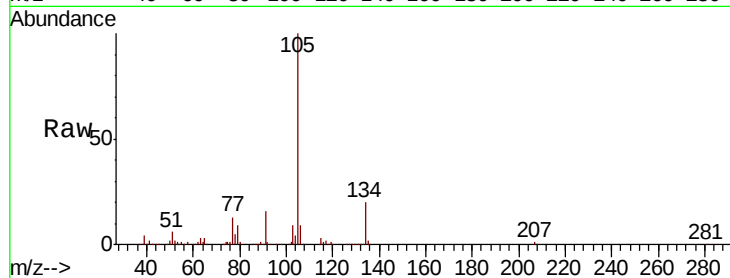
ClientSampled :

Tot Ion:105 Resp: 400324

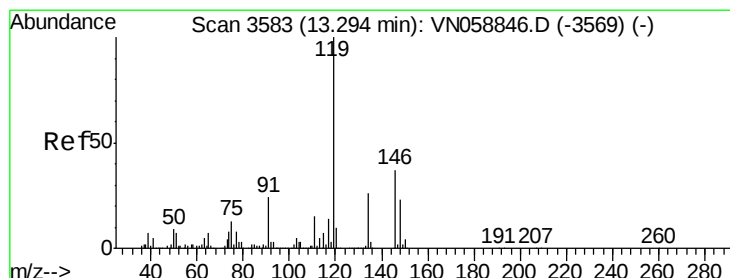
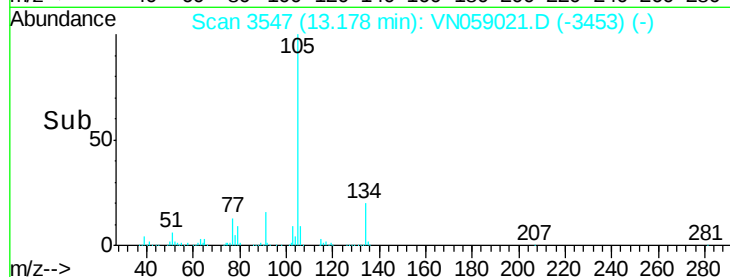
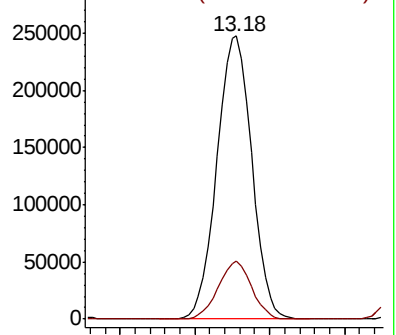
Ion Ratio Lower Upper

105 100

134 19.8 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V



#86

p-Isopropyltoluene

Concen: 22.287 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

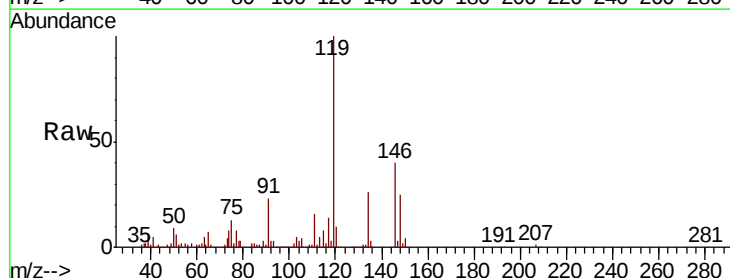
Tgt Ion:119 Resp: 358141

Ion Ratio Lower Upper

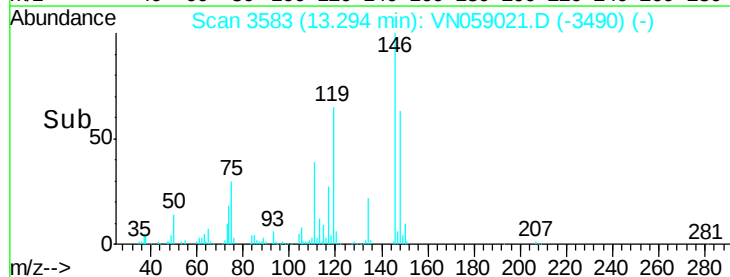
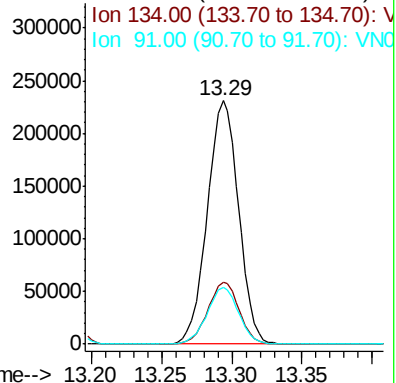
119 100

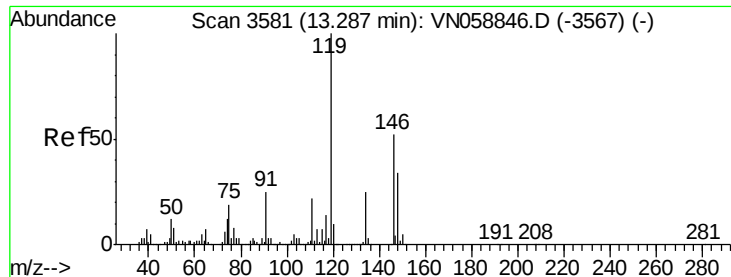
134 25.5 12.8 38.4

91 23.7 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V





#87

1,3-Dichlorobenzene

Concen: 21.505 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059021.D

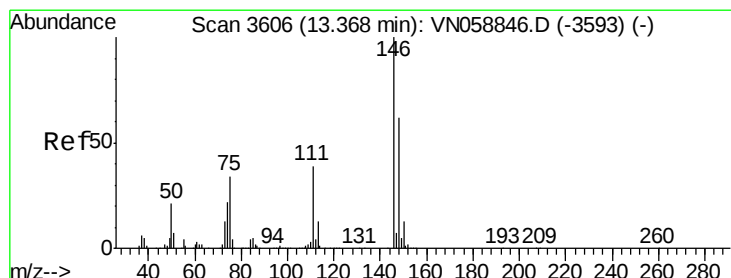
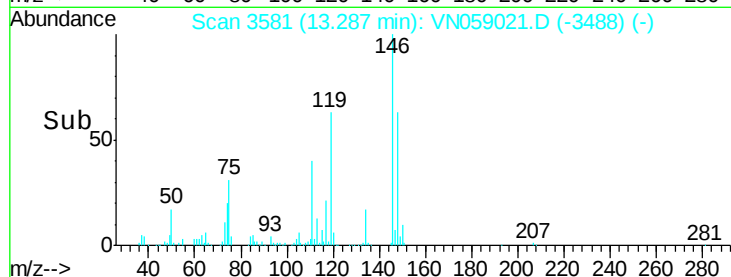
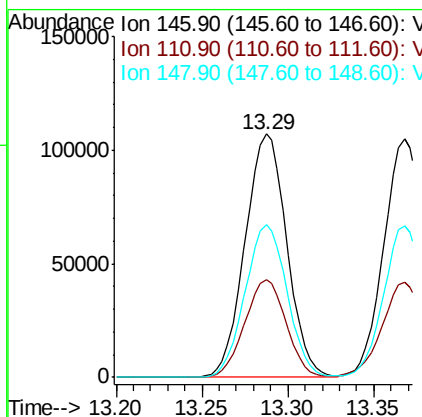
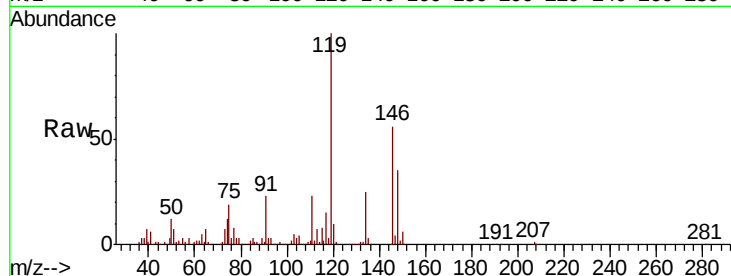
Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	146	Resp:	180199
Ion	Ratio	Lower	Upper
146	100		
111	39.8	21.0	63.0
148	63.4	32.1	96.3



#88

1,4-Dichlorobenzene

Concen: 20.830 ug/l

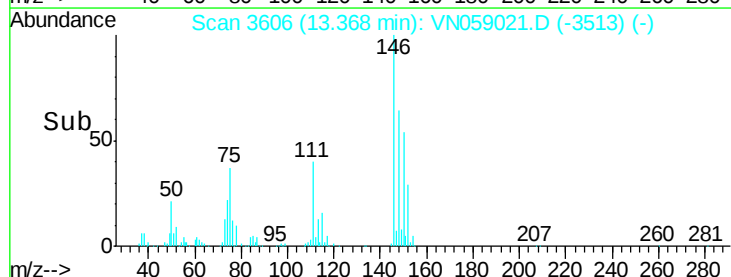
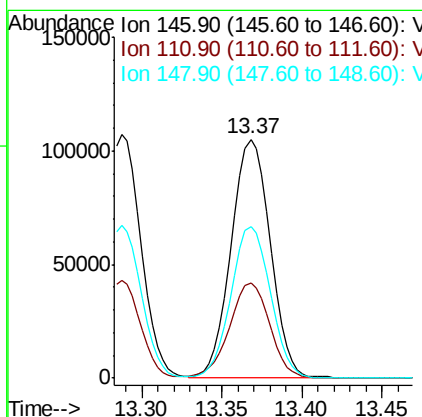
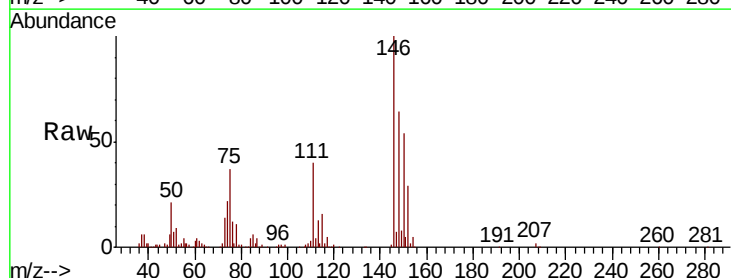
RT: 13.37 min Scan# 3606

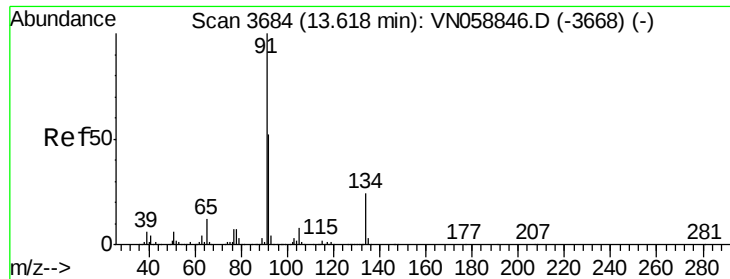
Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Tgt Ion:	146	Resp:	174756
Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.2	60.6
148	64.3	31.6	94.7

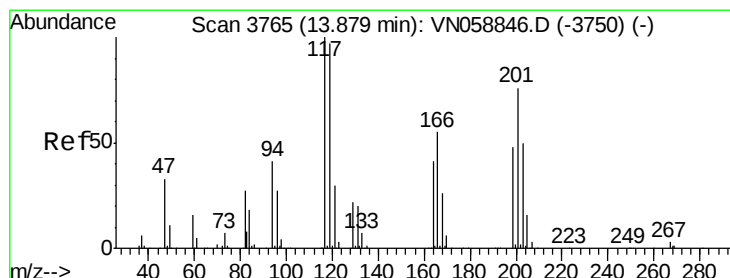
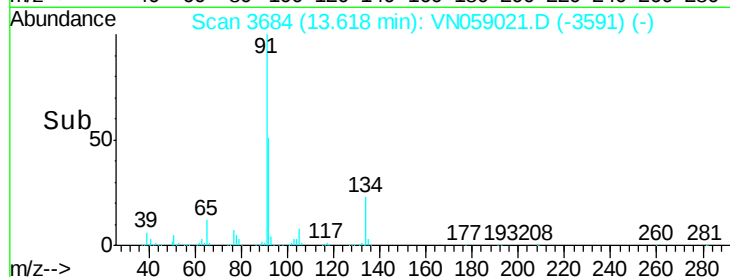
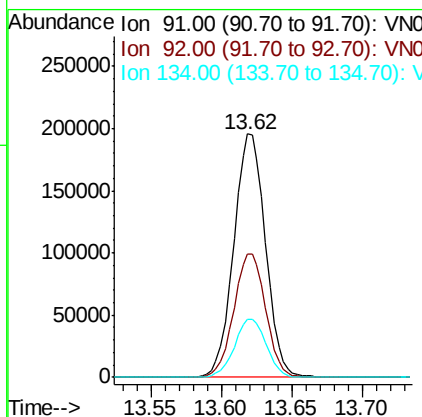
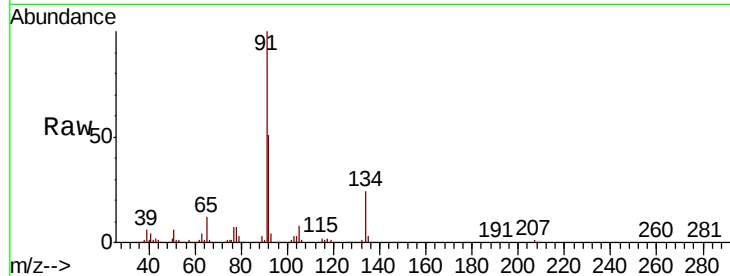




#89
n-Butylbenzene
Concen: 20.853 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

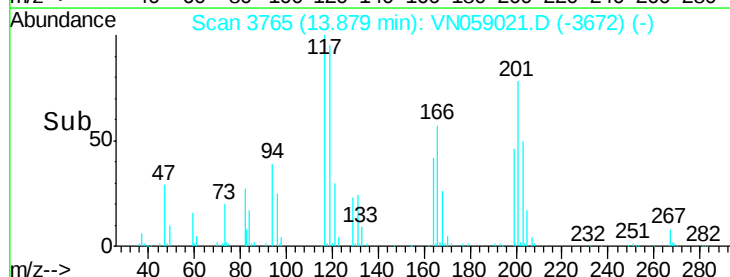
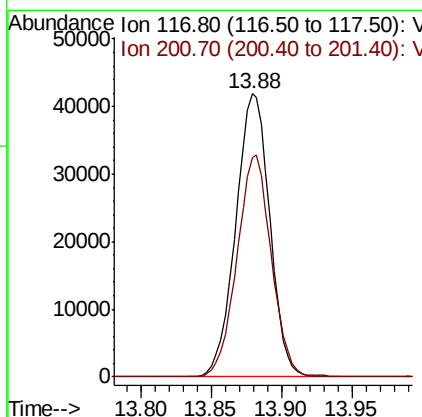
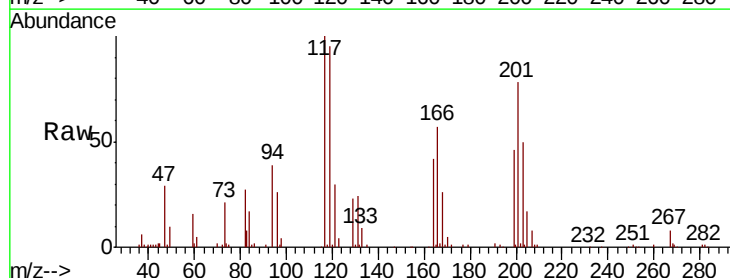
Instrument :
MSVOA_N
ClientSampled :

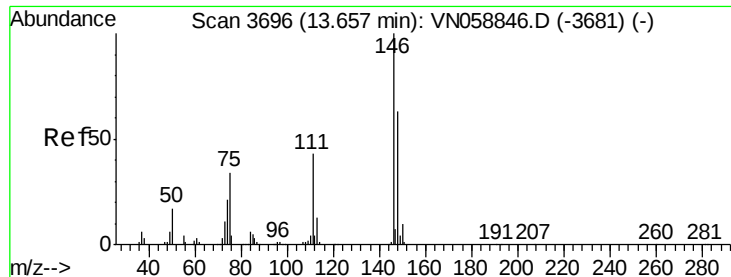
Tot Ion: 91 Resp: 307835
Ion Ratio Lower Upper
91 100
92 50.9 25.7 77.1
134 24.2 11.9 35.5



#90
Hexachloroethane
Concen: 21.783 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059021.D
Acq: 30 Oct 2019 11:38

Tgt Ion: 117 Resp: 70930
Ion Ratio Lower Upper
117 100
201 78.6 38.9 116.6





#91

1,2-Dichlorobenzene

Concen: 21.582 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

ClientSampled :

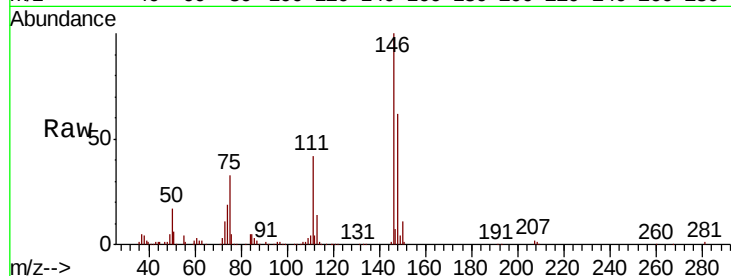
Tot Ion:146 Resp: 177745

Ion Ratio Lower Upper

146 100

111 43.5 21.6 64.8

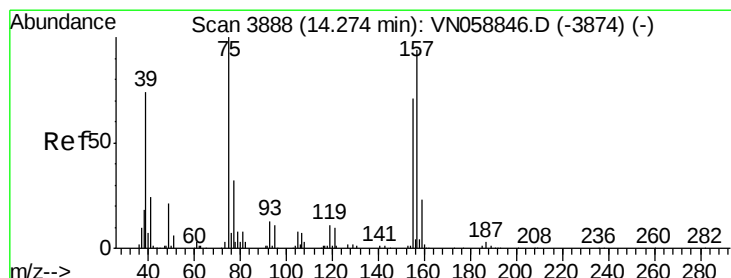
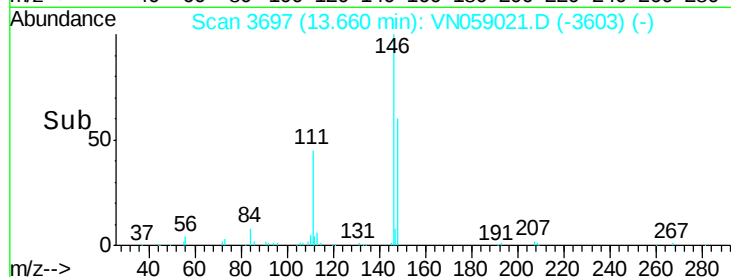
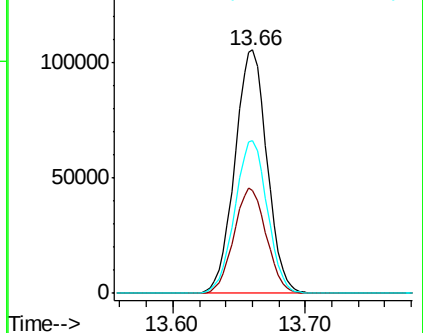
148 63.5 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.542 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

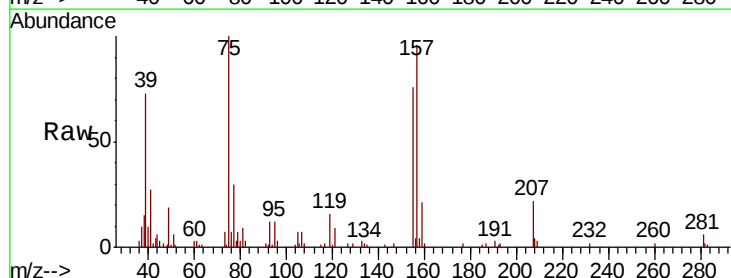
Tgt Ion: 75 Resp: 31061

Ion Ratio Lower Upper

75 100

155 74.8 35.6 106.8

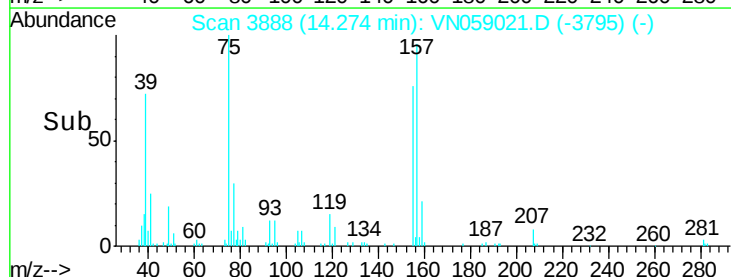
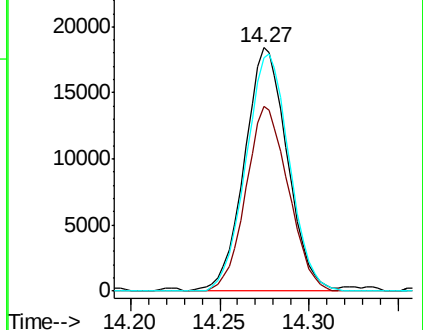
157 98.3 47.4 142.2

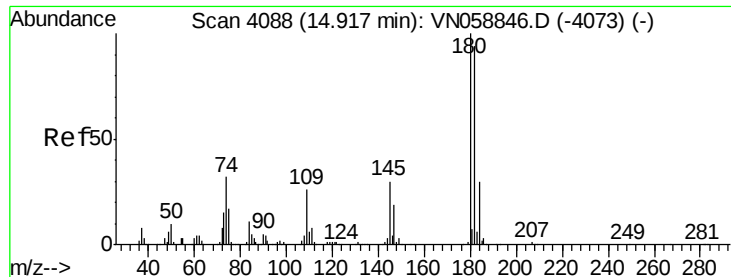


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

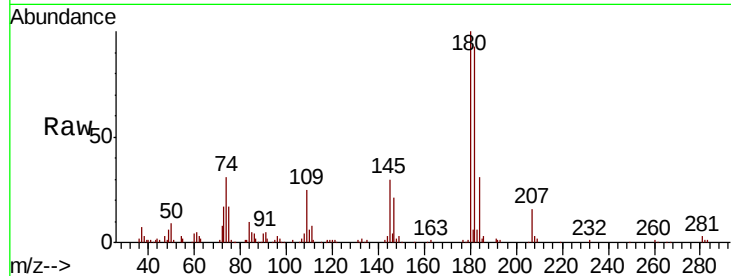




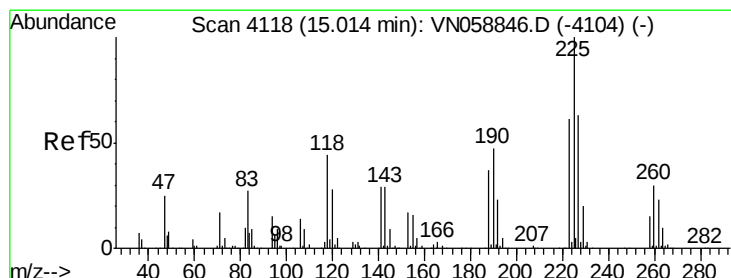
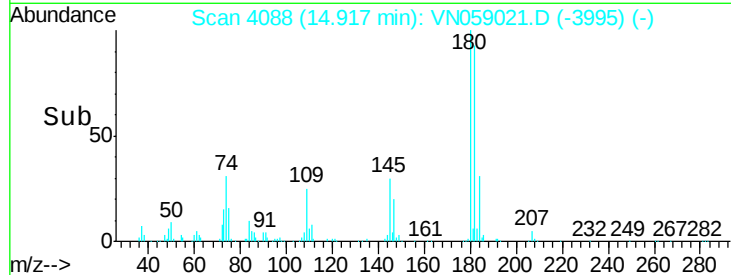
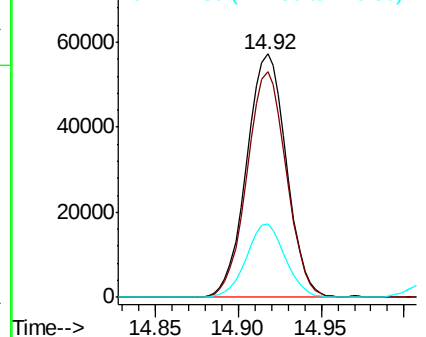
#93
 1,2,4-Trichlorobenzene
 Concen: 20.057 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN059021.D
 Acq: 30 Oct 2019 11:38

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.5	47.3	142.0
145	29.2	15.3	45.8

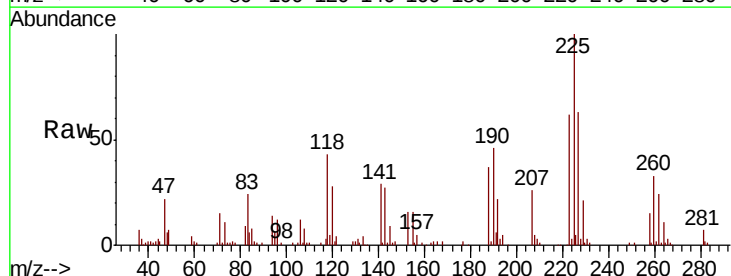


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

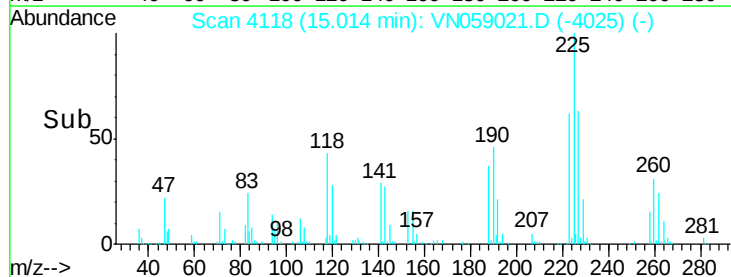
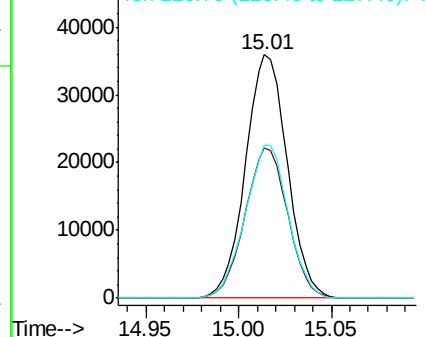


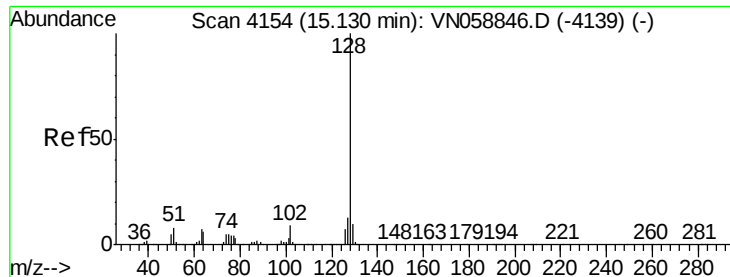
#94
 Hexachlorobutadiene
 Concen: 21.172 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059021.D
 Acq: 30 Oct 2019 11:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	30.9	92.5
227	64.6	31.6	94.7



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: 18.951 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

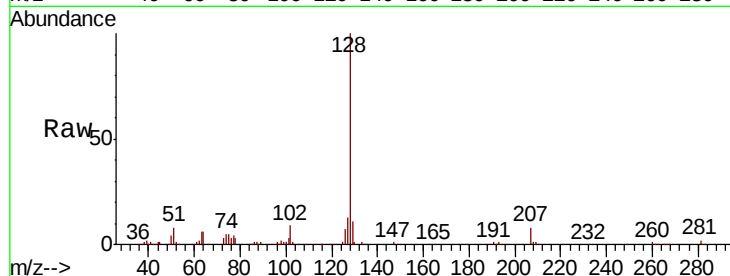
Tot Ion:128 Resp: 260857

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

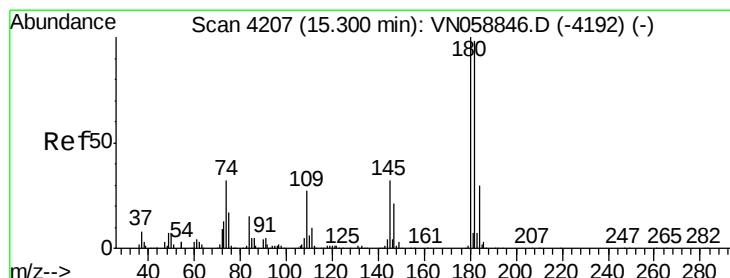
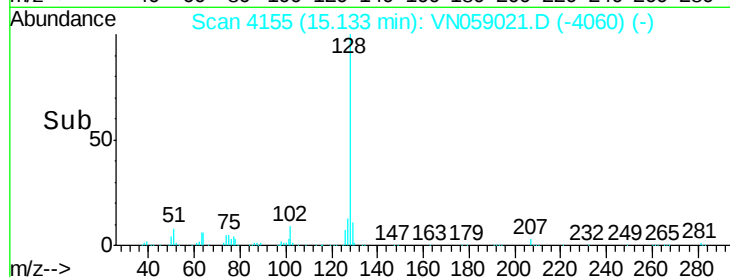
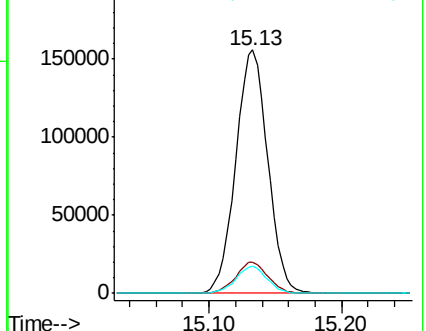
129 10.8 8.4 12.6



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: 20.490 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN059021.D

Acq: 30 Oct 2019 11:38

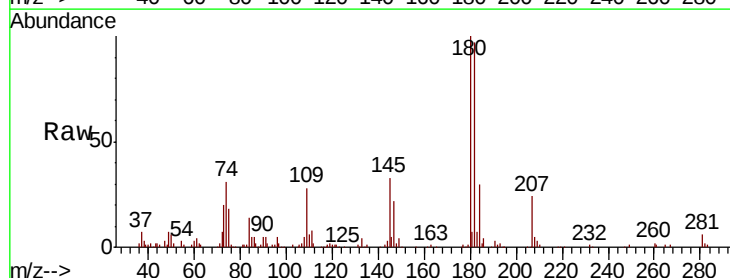
Tgt Ion:180 Resp: 95932

Ion Ratio Lower Upper

180 100

182 94.3 47.9 143.7

145 33.5 15.9 47.7



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

