

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058727.D
 Acq On : 12 Oct 2019 1:33
 Operator : JC/SP
 Sample : VN1013WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 12 05:46:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	394933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	646494	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	602160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	285677	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	291100	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
35) Dibromofluoromethane	7.57	113	209002	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	
50) Toluene-d8	10.08	98	814164	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
62) 4-Bromofluorobenzene	12.41	95	297844	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	107907	21.938	ug/l	98
3) Chloromethane	2.04	50	119203	20.380	ug/l	99
4) Vinyl Chloride	2.17	62	121239	20.812	ug/l	100
5) Bromomethane	2.54	94	74838	21.118	ug/l	100
6) Chloroethane	2.69	64	74348	20.691	ug/l	94
7) Trichlorofluoromethane	3.00	101	145726	20.902	ug/l	99
8) Diethyl Ether	3.39	74	52546	20.399	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	84132	21.164	ug/l	97
10) Methyl Iodide	3.93	142	108735	20.045	ug/l	99
11) Tert butyl alcohol	4.76	59	92008	102.753	ug/l	100
12) 1,1-Dichloroethene	3.72	96	80063	21.109	ug/l	95
13) Acrolein	3.59	56	66239	91.979	ug/l	99
14) Allyl chloride	4.30	41	135821	17.745	ug/l	92
15) Acrylonitrile	4.96	53	235374	104.234	ug/l	100
16) Acetone	3.79	43	211710	92.491	ug/l	99
17) Carbon Disulfide	4.03	76	244680	20.182	ug/l	99
18) Methyl Acetate	4.30	43	120097	20.684	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	278040	20.530	ug/l	96
20) Methylene Chloride	4.53	84	93914	19.631	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	88082	20.762	ug/l	97
22) Diisopropyl ether	5.93	45	309504	20.797	ug/l	94
23) Vinyl Acetate	5.87	43	1278665	106.481	ug/l	100
24) 1,1-Dichloroethane	5.82	63	179068	21.127	ug/l	99
25) 2-Butanone	6.81	43	324673	98.134	ug/l	99
26) 2,2-Dichloropropane	6.80	77	121730	15.733	ug/l	97
27) cis-1,2-Dichloroethene	6.81	96	99907	20.194	ug/l	96
28) Bromochloromethane	7.17	49	62953	21.350	ug/l	99
29) Tetrahydrofuran	7.19	42	219452	102.642	ug/l	99
30) Chloroform	7.36	83	173887	20.420	ug/l	96
31) Cyclohexane	7.64	56	161054	19.859	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	151379	20.844	ug/l	99
36) 1,1-Dichloropropene	7.78	75	132144	20.216	ug/l	100
37) Ethyl Acetate	6.91	43	139960	21.172	ug/l	99
38) Carbon Tetrachloride	7.76	117	135359	21.248	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	148048	19.519	ug/l	98
40) Benzene	8.03	78	380193	20.252	ug/l	100
41) Methacrylonitrile	7.19	41	201693	65.179	ug/l #	1
42) 1,2-Dichloroethane	8.11	62	147444	20.444	ug/l	100
43) Isopropyl Acetate	8.15	43	222555	19.763	ug/l	100
44) Trichloroethene	8.82	130	94537	20.279	ug/l	97
45) 1,2-Dichloropropane	9.11	63	104068	20.708	ug/l	99
46) Dibromomethane	9.20	93	66175	20.769	ug/l	99
47) Bromodichloromethane	9.39	83	134246	20.691	ug/l	96
48) Methyl methacrylate	9.19	41	105239	20.616	ug/l	97
49) 1,4-Dioxane	9.19	88	31195	395.012	ug/l	92
51) 4-Methyl-2-Pentanone	9.98	43	687338	108.678	ug/l	99
52) Toluene	10.15	92	231829	20.191	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	143909	19.338	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	154551	19.561	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	93521	19.900	ug/l	98
56) Ethyl methacrylate	10.43	69	139446	20.311	ug/l	100
57) 1,3-Dichloropropane	10.71	76	164485	20.540	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	335885	101.518	ug/l	99
59) 2-Hexanone	10.75	43	501159	102.536	ug/l	99
60) Dibromochloromethane	10.90	129	98982	20.418	ug/l	100
61) 1,2-Dibromoethane	11.00	107	94980	20.174	ug/l	100
64) Tetrachloroethene	10.63	164	85847	20.371	ug/l	94
65) Chlorobenzene	11.43	112	244680	20.009	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	90803	20.081	ug/l	99
67) Ethyl Benzene	11.51	91	448174	20.560	ug/l	100
68) m/p-Xylenes	11.62	106	329171	40.239	ug/l	99
69) o-Xylene	11.95	106	157798	19.937	ug/l	98
70) Styrene	11.97	104	254854	19.646	ug/l	99
71) Bromoform	12.13	173	66251	19.989	ug/l #	99
73) Isopropylbenzene	12.25	105	436345	21.090	ug/l	98
74) N-amyl acetate	12.07	43	187172	20.143	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	140752	20.651	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	186233	29.716	ug/l #	100
77) Bromobenzene	12.53	156	103873	20.641	ug/l	97
78) n-propylbenzene	12.60	91	506720	21.018	ug/l	100
79) 2-Chlorotoluene	12.68	91	303357	20.273	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	365549	20.695	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	41083	17.560	ug/l	91
82) 4-Chlorotoluene	12.78	91	304991	19.863	ug/l	98
83) tert-Butylbenzene	13.00	119	311526	20.588	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	364229	20.771	ug/l	99
85) sec-Butylbenzene	13.18	105	414929	20.810	ug/l	100
86) p-Isopropyltoluene	13.29	119	368709	20.347	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	185882	20.029	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	183835	19.482	ug/l	98
89) n-Butylbenzene	13.62	91	327913	19.570	ug/l	99
90) Hexachloroethane	13.88	117	68447	21.109	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	182809	20.210	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	30870	19.387	ug/l	96

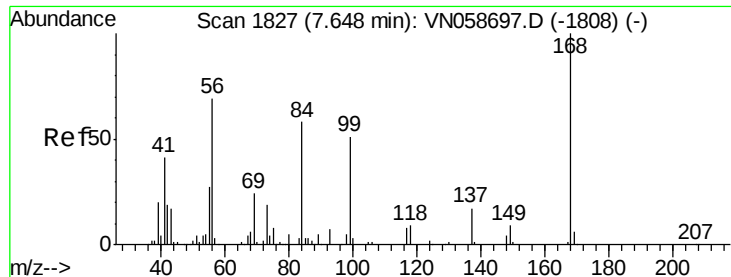
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	105354	19.094	ug/l	98
94) Hexachlorobutadiene	15.01	225	55130	18.973	ug/l	99
95) Naphthalene	15.13	128	308366	19.446	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	102424	19.013	ug/l	100

(#) = 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: VN058727.D

Acq: 12 Oct 2019 1:33

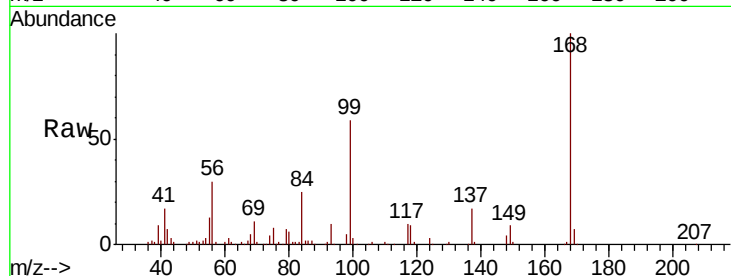
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 394933

Ion Ratio Lower Upper

168 100

99 58.6 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

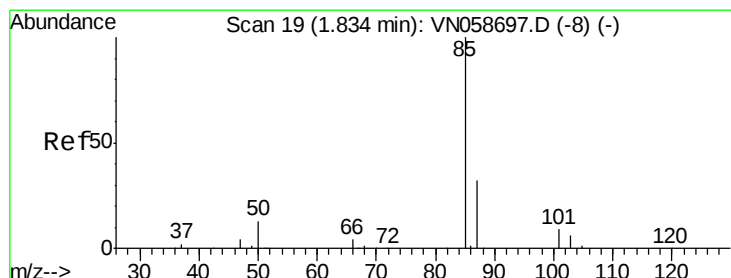
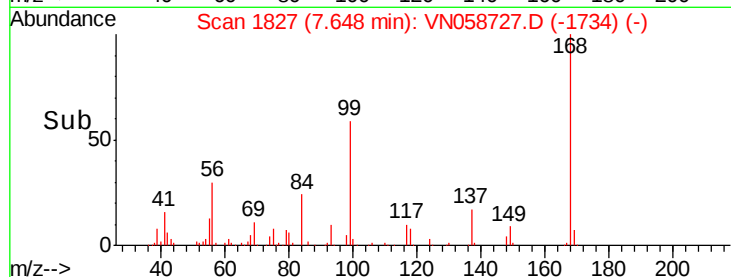
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 21.938 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058727.D

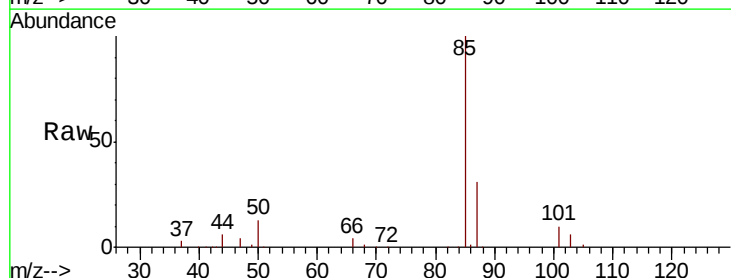
Acq: 12 Oct 2019 1:33

Tgt Ion: 85 Resp: 107907

Ion Ratio Lower Upper

85 100

87 31.2 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

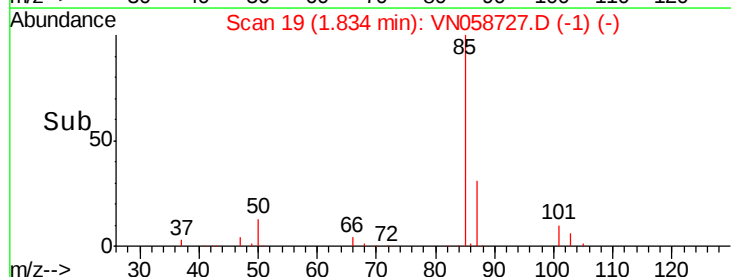
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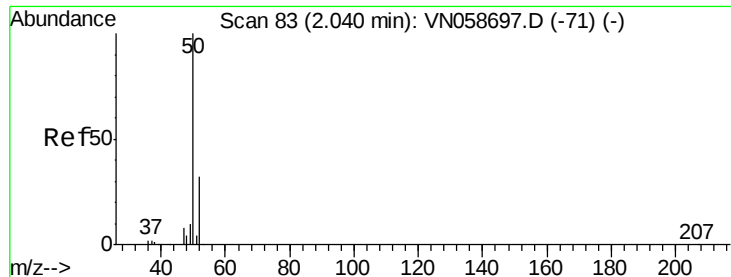
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->

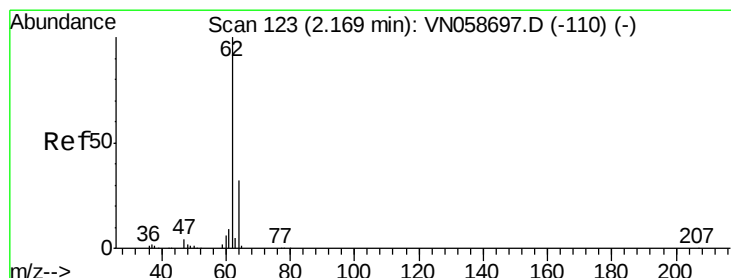
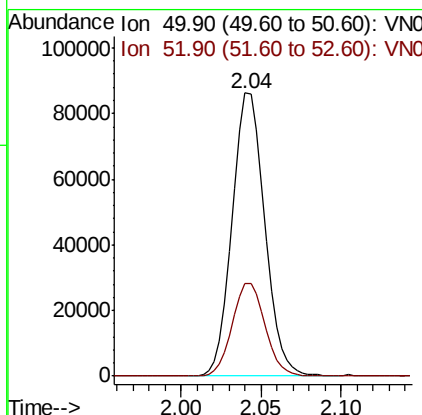
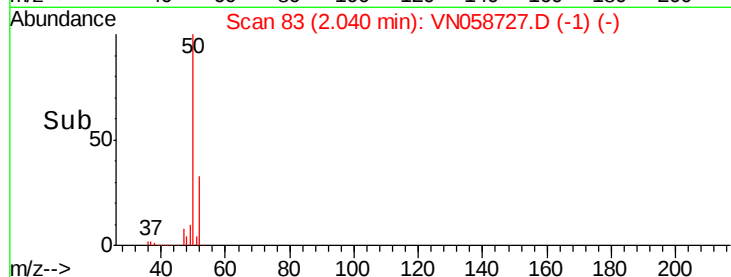
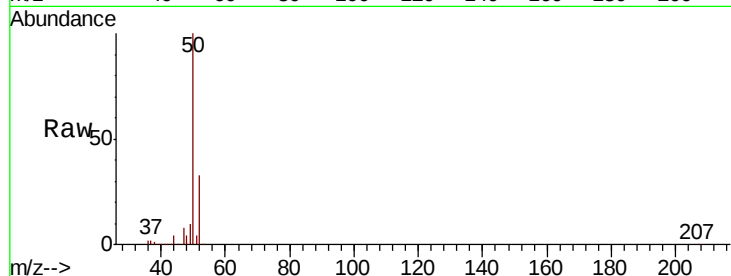




#3
Chloromethane
Concen: 20.380 ug/l
RT: 2.04 min Scan# 83
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

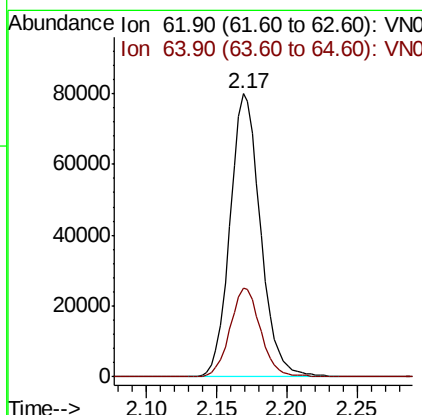
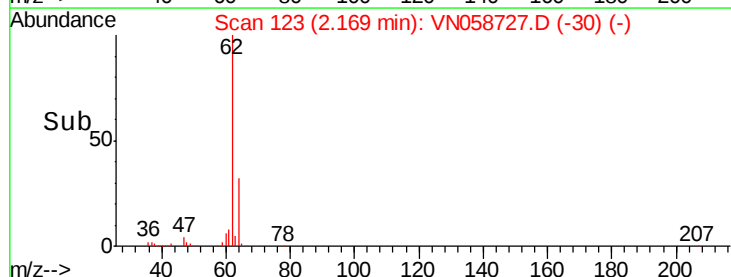
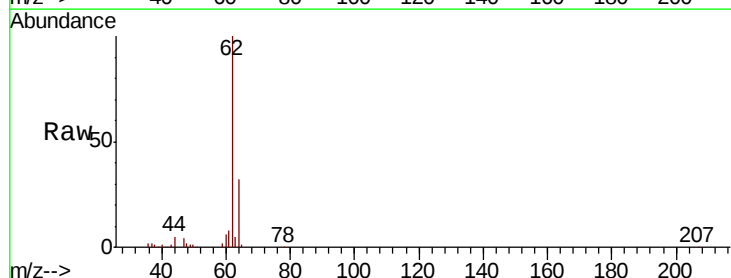
Instrument :
MSVOA_N
ClientSampleId :

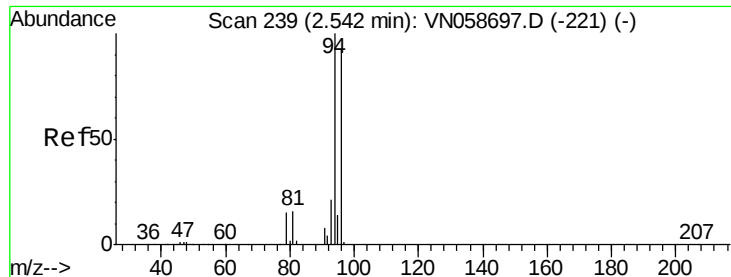
Tot Ion: 50 Resp: 119203
Ion Ratio Lower Upper
50 100
52 32.5 25.8 38.6



#4
Vinyl Chloride
Concen: 20.812 ug/l
RT: 2.17 min Scan# 123
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Tgt Ion: 62 Resp: 121239
Ion Ratio Lower Upper
62 100
64 31.5 25.3 37.9





#5

Bromomethane

Concen: 21.118 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

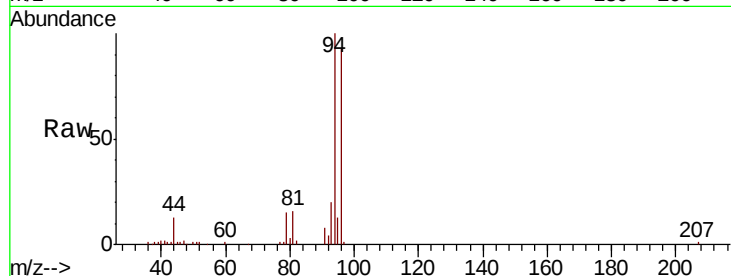
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 74838

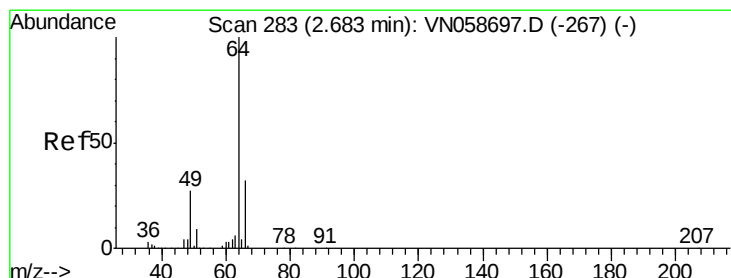
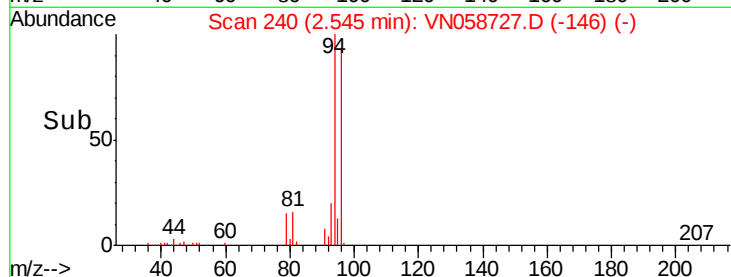
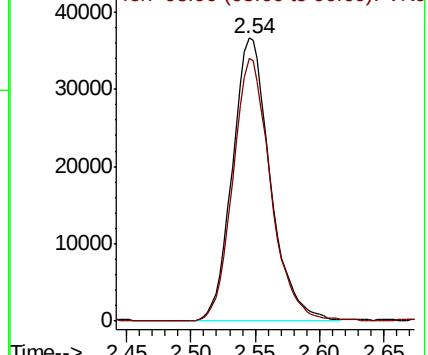
Ion Ratio Lower Upper

94 100

96 92.8 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VN0
Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.691 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058727.D

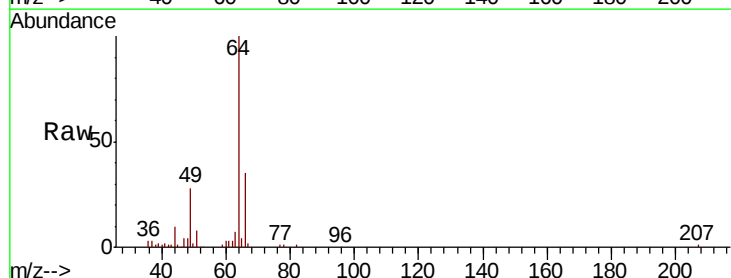
Acq: 12 Oct 2019 1:33

Tgt Ion: 64 Resp: 74348

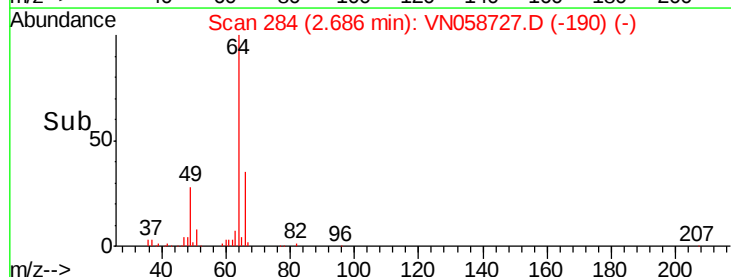
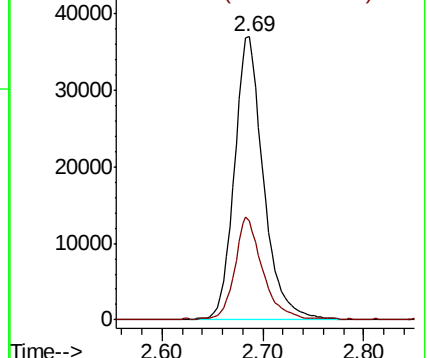
Ion Ratio Lower Upper

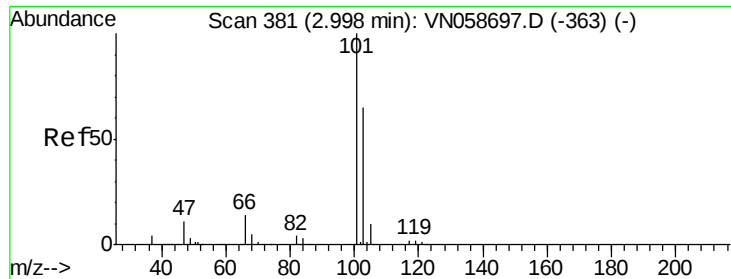
64 100

66 35.0 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0
Ion 65.90 (65.60 to 66.60): VN0



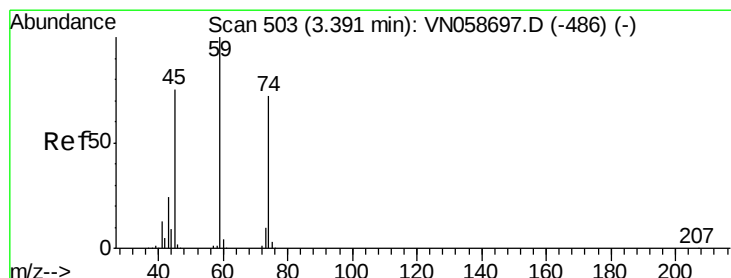
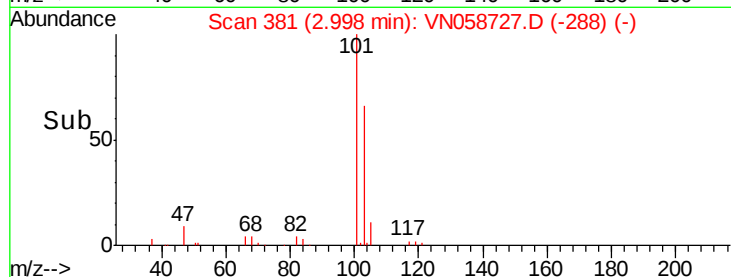
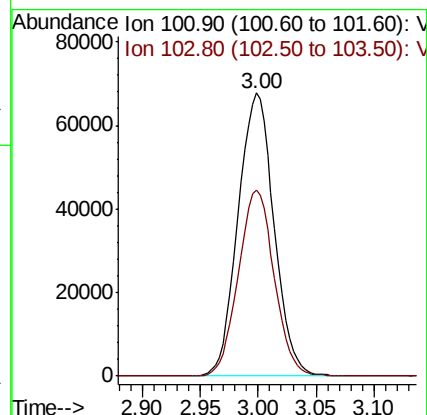
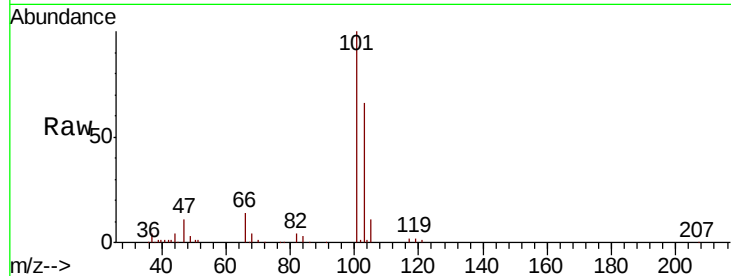


#7

Trichlorofluoromethane
 Concen: 20.902 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

Instrument :
 MSVOA_N
 ClientSampleId :

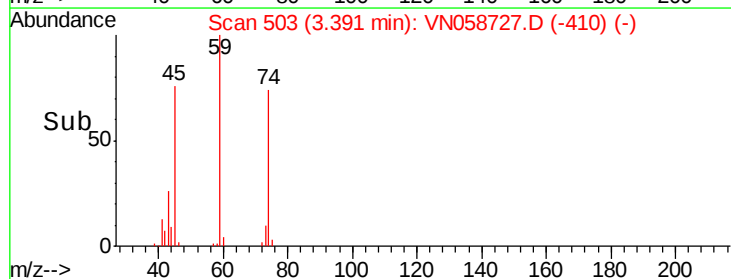
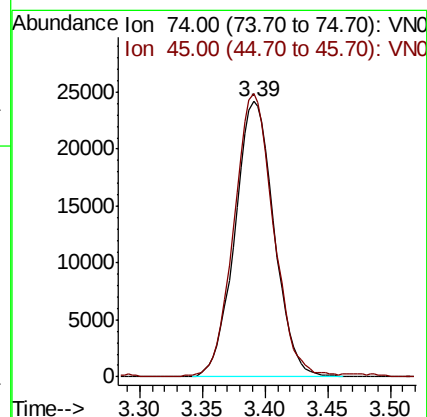
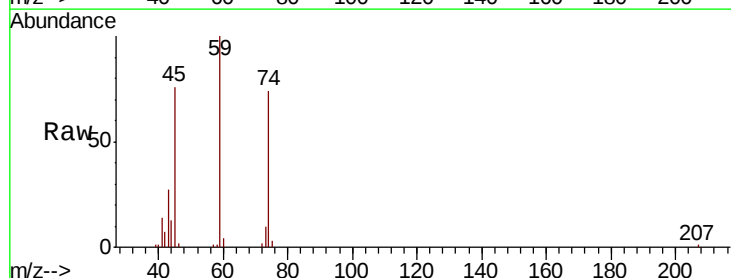
Tot Ion:101 Resp: 145726
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.8 77.6

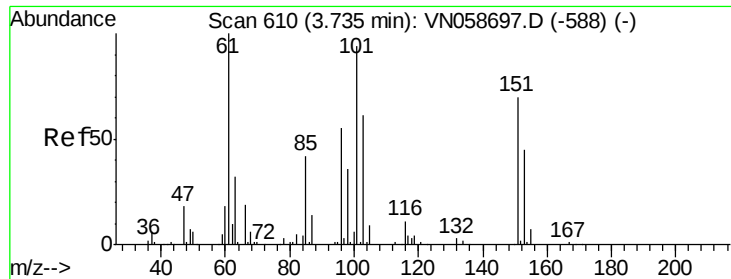


#8

Diethyl Ether
 Concen: 20.399 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

Tgt Ion: 74 Resp: 52546
 Ion Ratio Lower Upper
 74 100
 45 103.8 51.3 154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.164 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Instrument :

MSVOA_N

ClientSampleId :

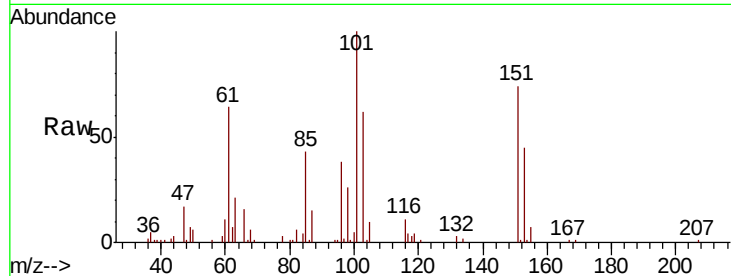
Tot Ion:101 Resp: 84132

Ion Ratio Lower Upper

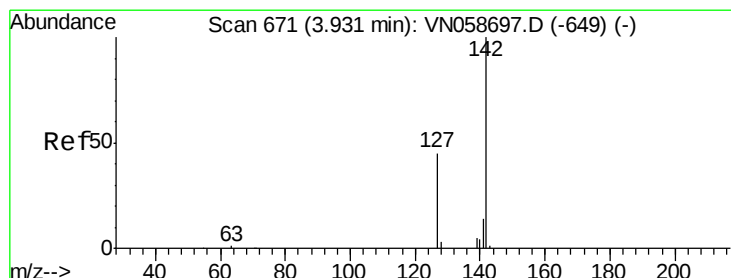
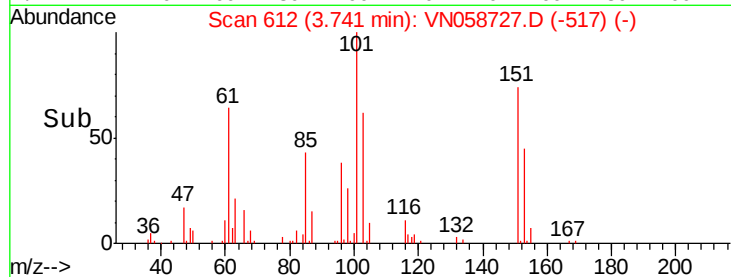
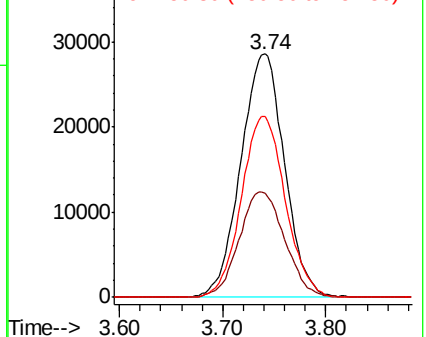
101 100

85 45.1 37.0 55.6

151 74.6 61.8 92.6



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



#10

Methyl Iodide

Concen: 20.045 ug/l

RT: 3.93 min Scan# 671

Delta R.T. -0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

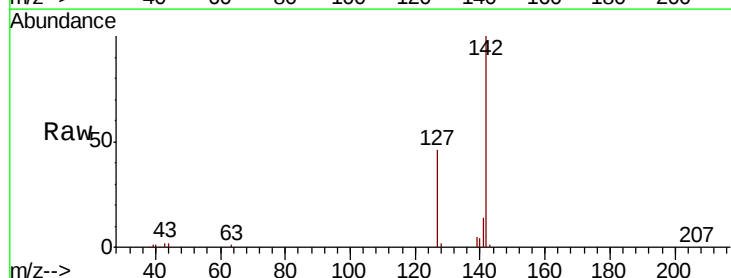
Tgt Ion:142 Resp: 108735

Ion Ratio Lower Upper

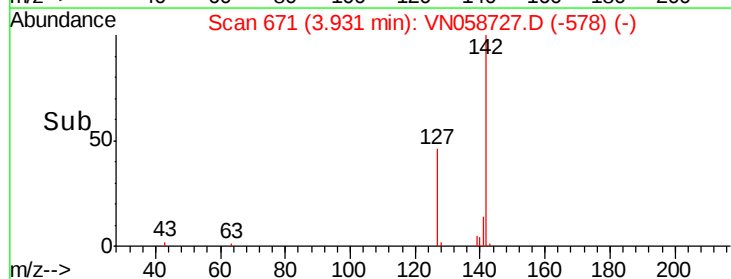
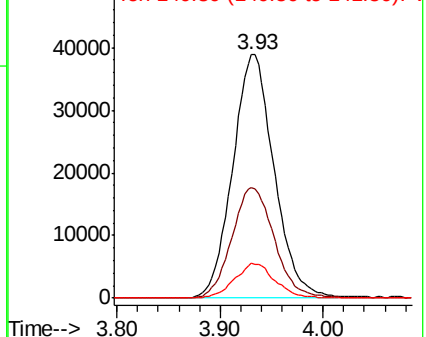
142 100

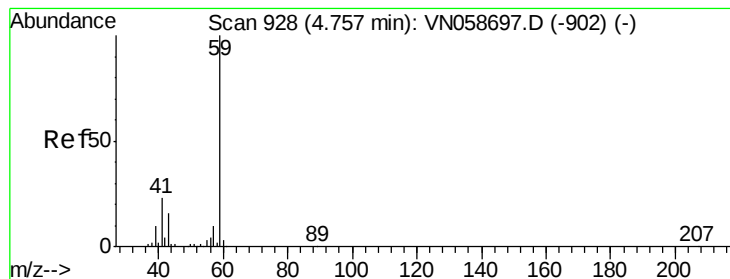
127 46.3 36.4 54.6

141 13.8 11.1 16.7



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



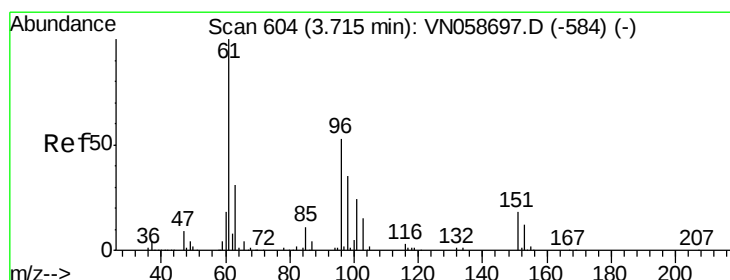
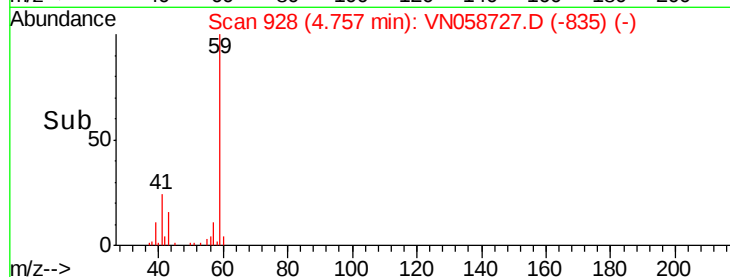
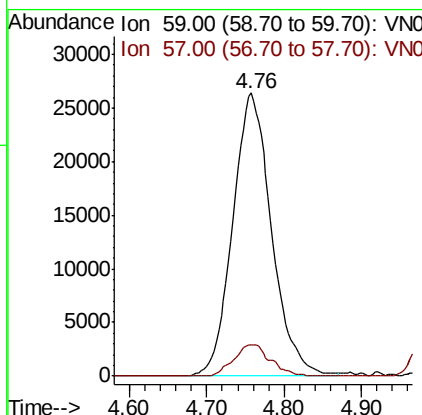
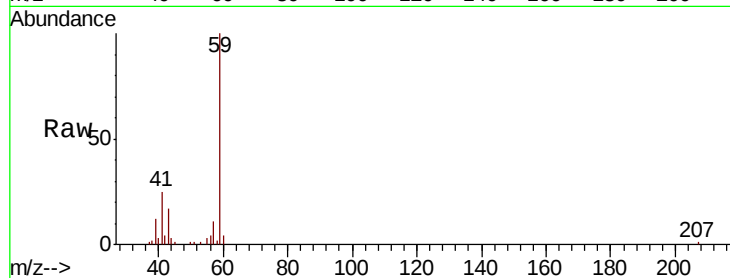


#11

Tert butyl alcohol
 Concen: 102.753 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. -0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

Instrument :
 MSVOA_N
 ClientSampled :

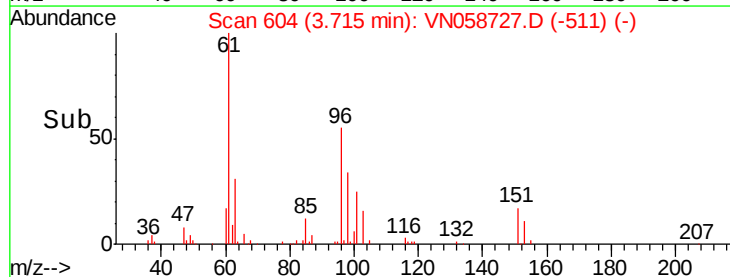
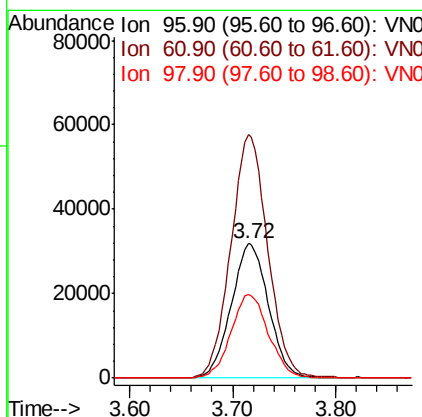
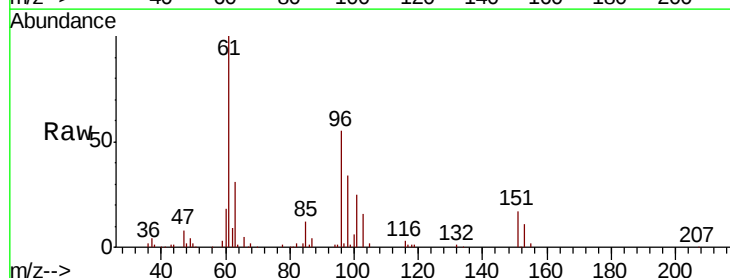
Tot Ion: 59 Resp: 92008
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.4 12.6

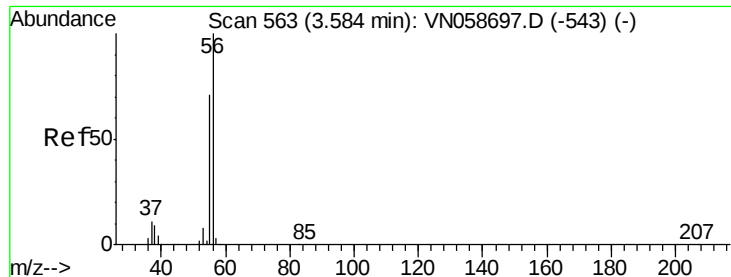


#12

1,1-Dichloroethene
 Concen: 21.109 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

Tgt Ion: 96 Resp: 80063
 Ion Ratio Lower Upper
 96 100
 61 180.8 151.3 226.9
 98 62.1 52.6 78.8





#13

Acrolein

Concen: 91.979 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

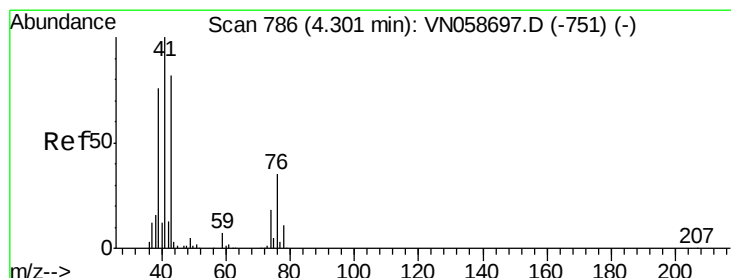
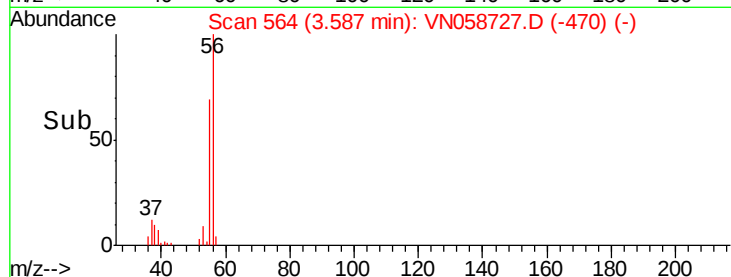
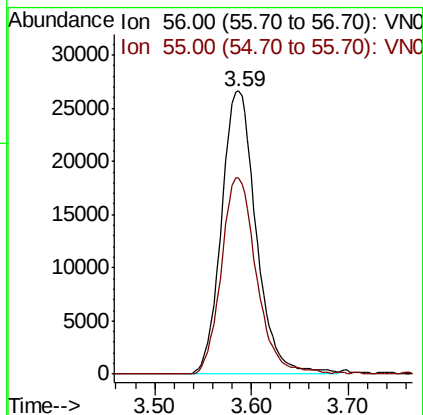
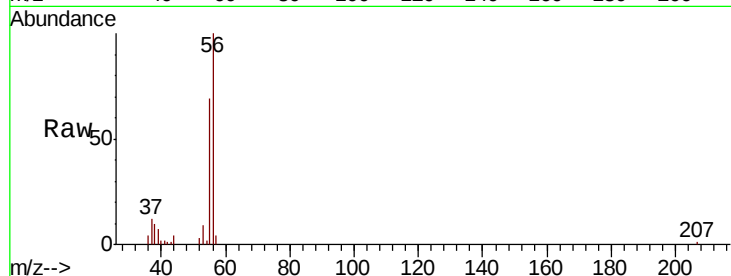
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 66239

Ion Ratio Lower Upper

56 100

55 69.7 56.7 85.1



#14

Allyl chloride

Concen: 17.745 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

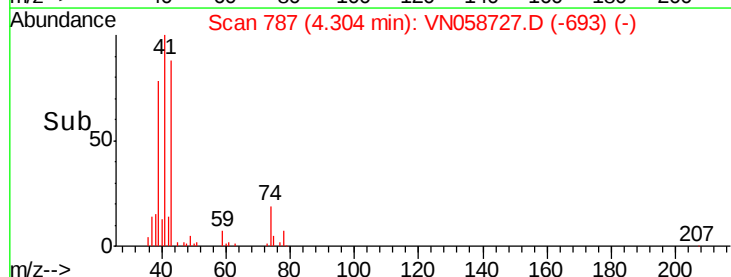
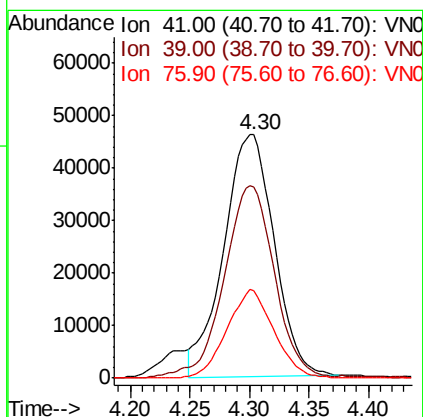
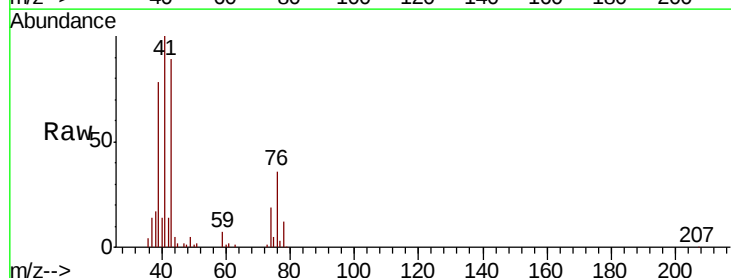
Tgt Ion: 41 Resp: 135821

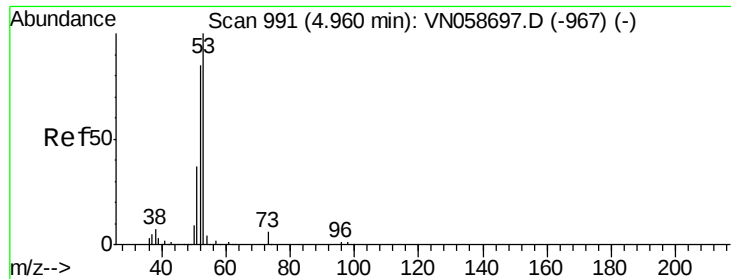
Ion Ratio Lower Upper

41 100

39 79.4 57.2 85.8

76 33.9 25.0 37.6





#15

Acrylonitrile

Concen: 104.234 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :

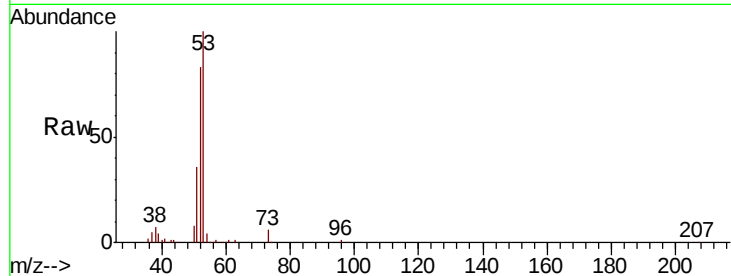
Tot Ion: 53 Resp: 235374

Ion Ratio Lower Upper

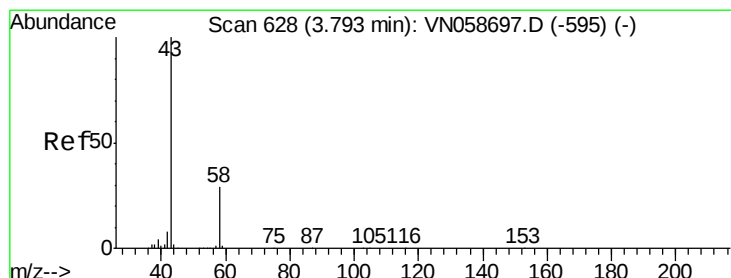
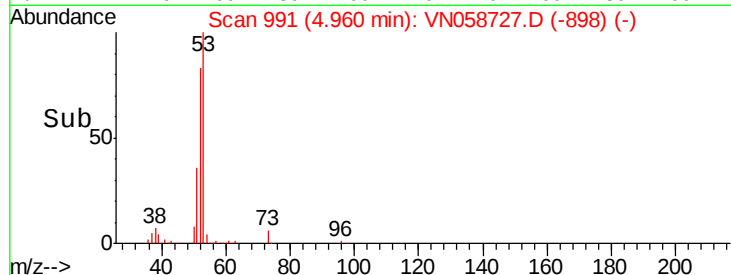
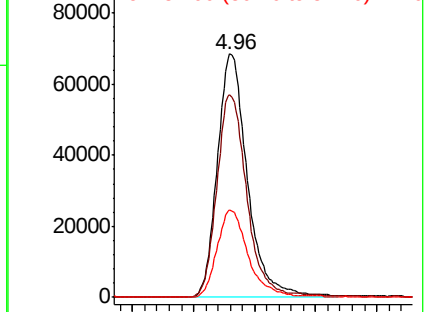
53 100

52 82.5 66.2 99.2

51 36.9 29.4 44.2



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 92.491 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058727.D

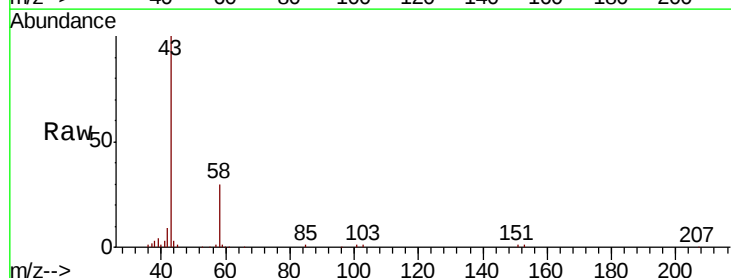
Acq: 12 Oct 2019 1:33

Tgt Ion: 43 Resp: 211710

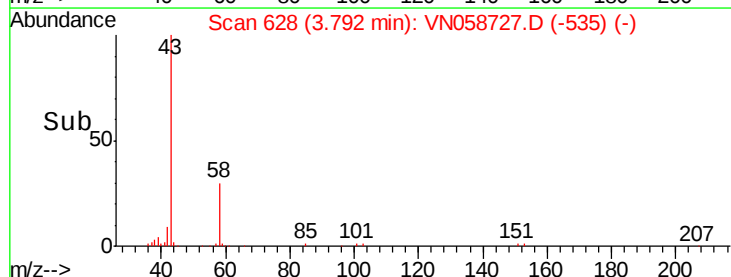
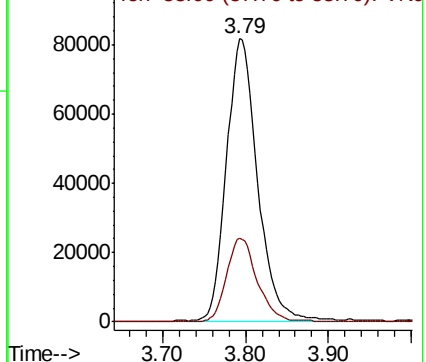
Ion Ratio Lower Upper

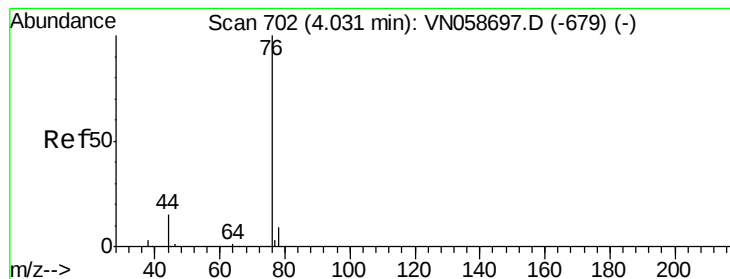
43 100

58 29.6 23.3 34.9



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





#17

Carbon Disulfide

Concen: 20.182 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Instrument :

MSVOA_N

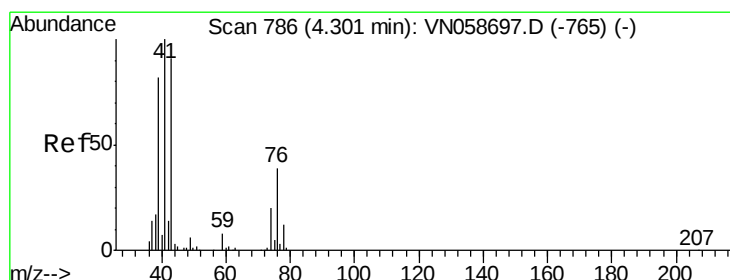
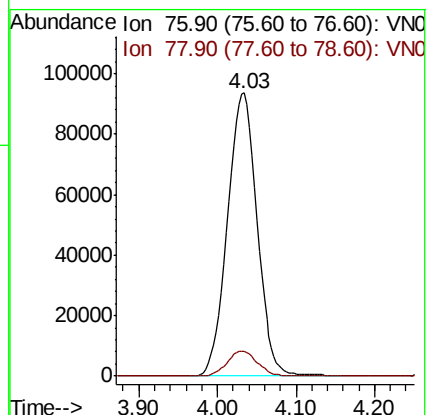
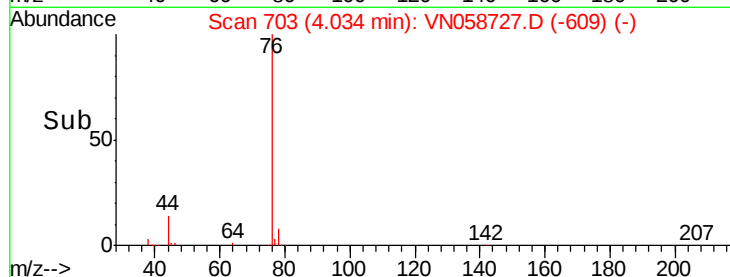
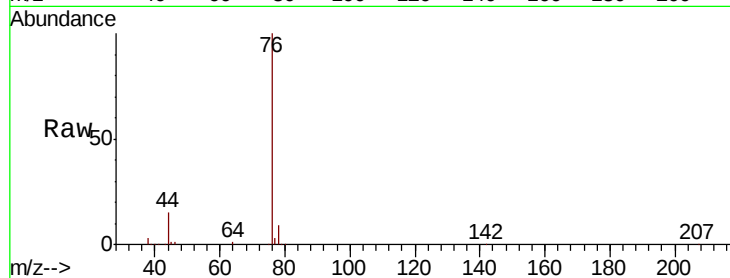
ClientSampleId :

Tot Ion: 76 Resp: 244680

Ion Ratio Lower Upper

76 100

78 8.7 7.1 10.7



#18

Methyl Acetate

Concen: 20.684 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058727.D

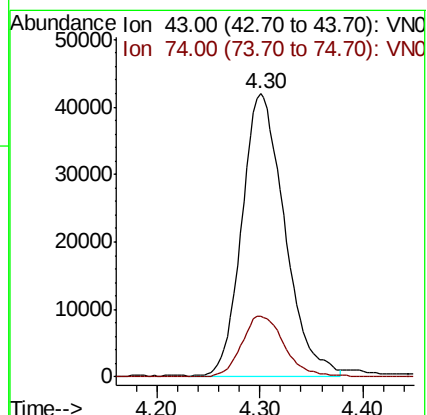
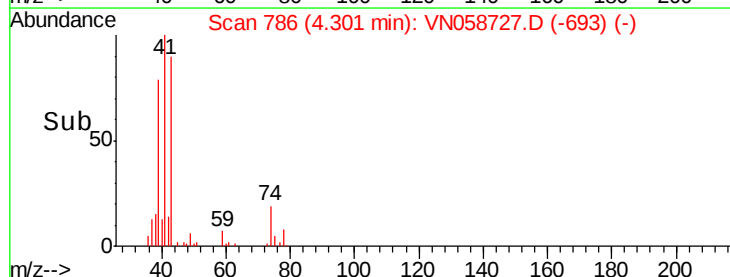
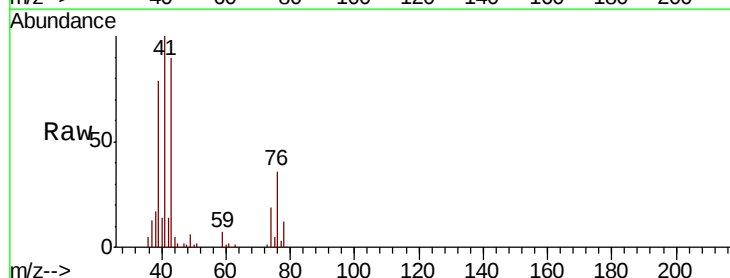
Acq: 12 Oct 2019 1:33

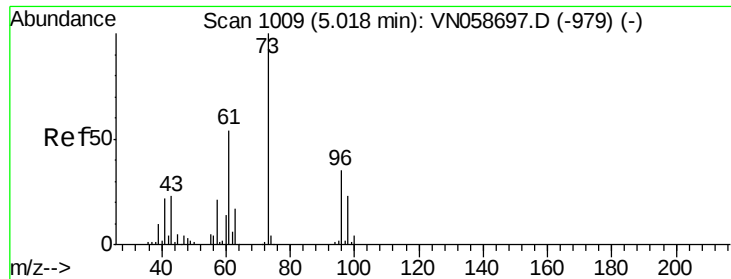
Tgt Ion: 43 Resp: 120097

Ion Ratio Lower Upper

43 100

74 21.6 17.2 25.8

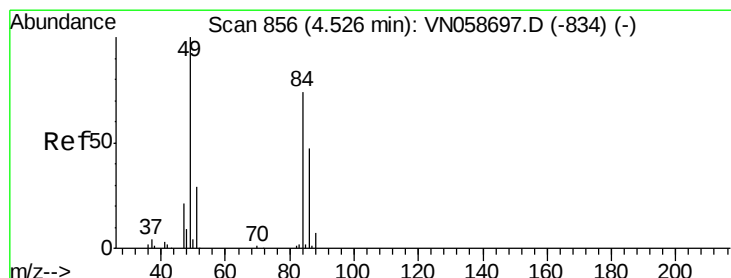
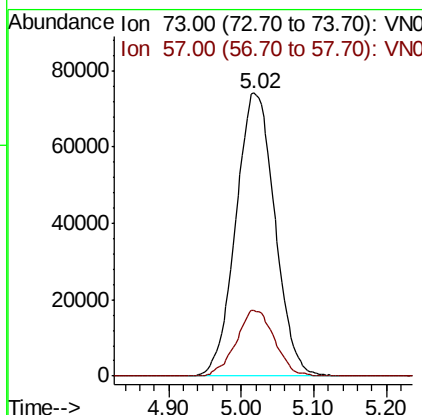
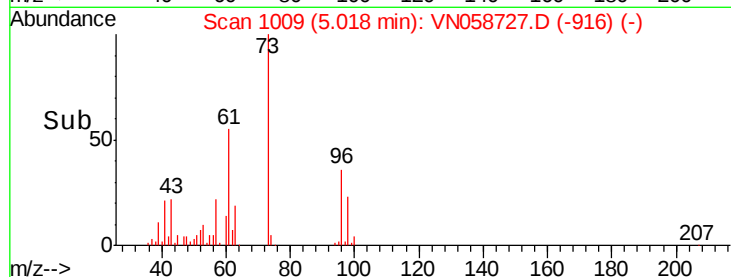
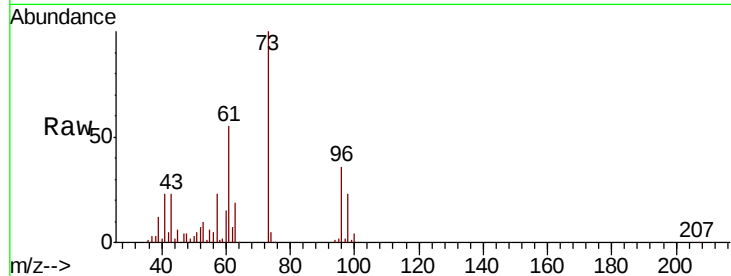




#19
Methvl tert-butvl Ether
Concen: 20.530 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

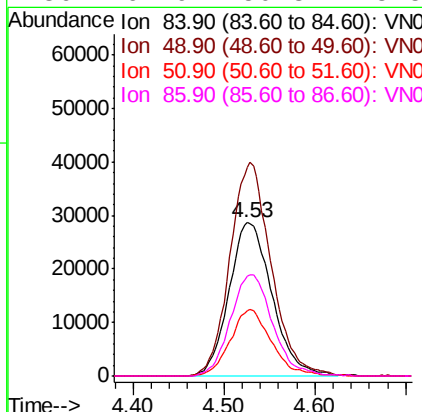
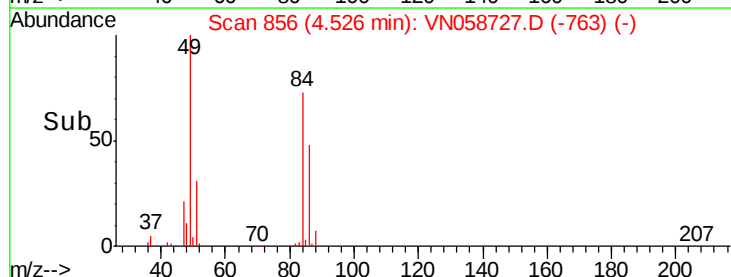
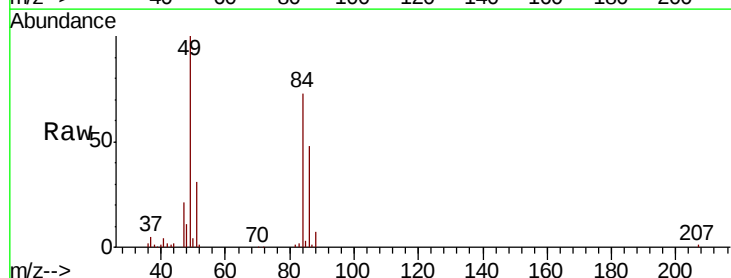
Instrument :
MSVOA_N
ClientSampled :

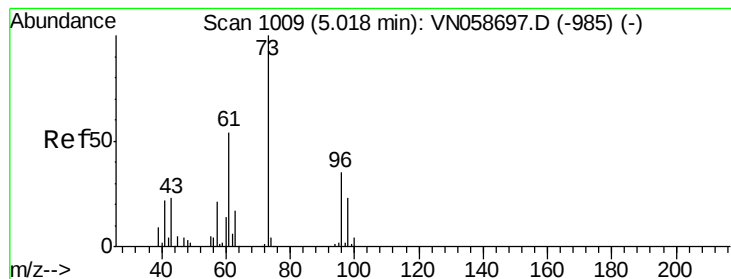
Tot Ion: 73 Resp: 278040
Ion Ratio Lower Upper
73 100
57 23.3 17.0 25.6



#20
Methylene Chloride
Concen: 19.631 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Tgt Ion: 84 Resp: 93914
Ion Ratio Lower Upper
84 100
49 136.4 107.6 161.4
51 43.0 31.4 47.0
86 64.9 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 20.762 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Instrument :

MSVOA_N

ClientSampleId :

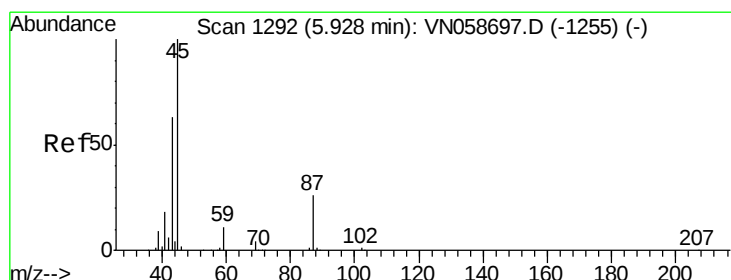
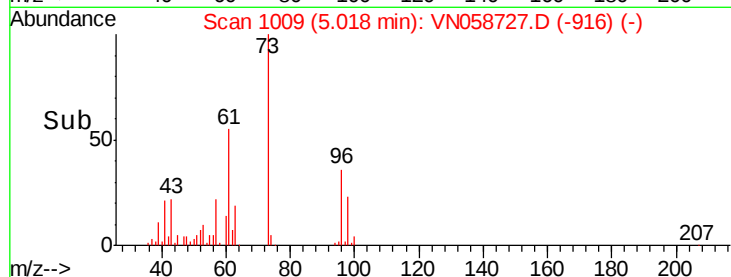
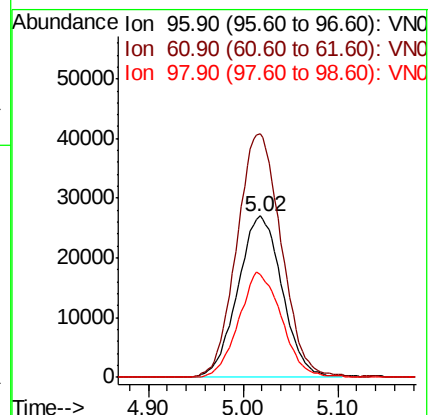
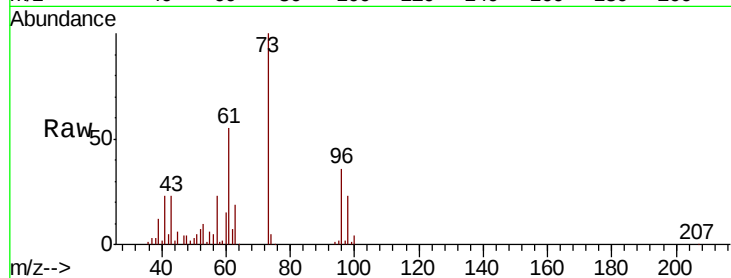
Tot Ion: 96 Resp: 88082

Ion Ratio Lower Upper

96 100

61 150.4 123.6 185.4

98 64.1 52.1 78.1



#22

Diisopropyl ether

Concen: 20.797 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Tgt Ion: 45 Resp: 309504

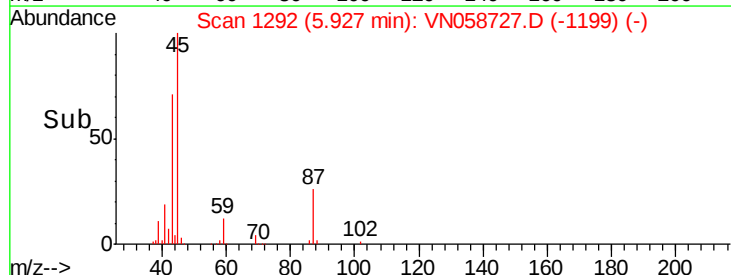
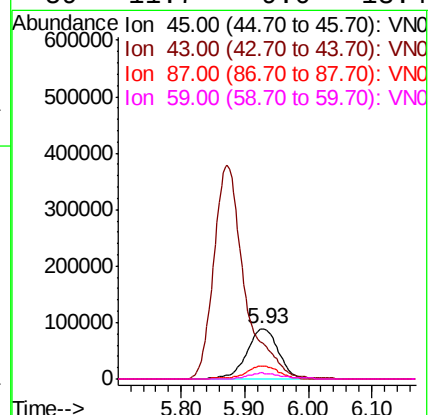
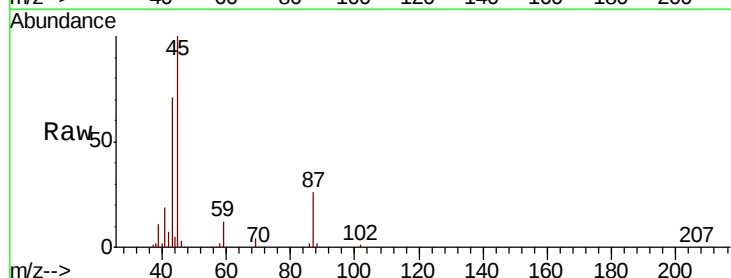
Ion Ratio Lower Upper

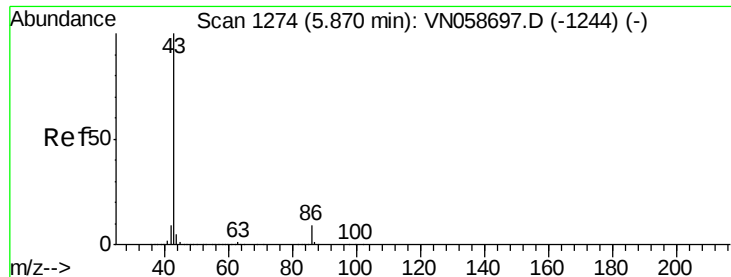
45 100

43 70.0 50.6 75.8

87 26.1 21.1 31.7

59 11.7 9.0 13.4





#23

Vinyl Acetate

Concen: 106.481 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

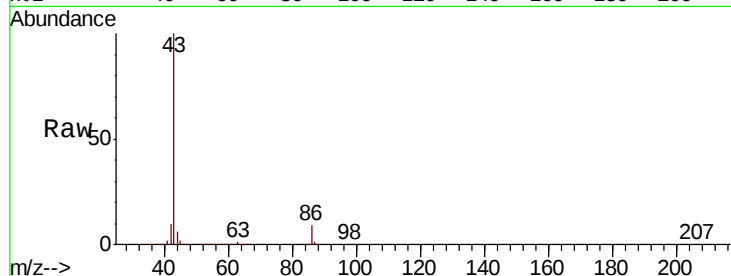
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1278665

Ion Ratio Lower Upper

43 100

86 9.2 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VN058727.D (-1181) (-)

Ion 86.00 (85.70 to 86.70): VN058727.D (-1181) (-)

5.87

400000

300000

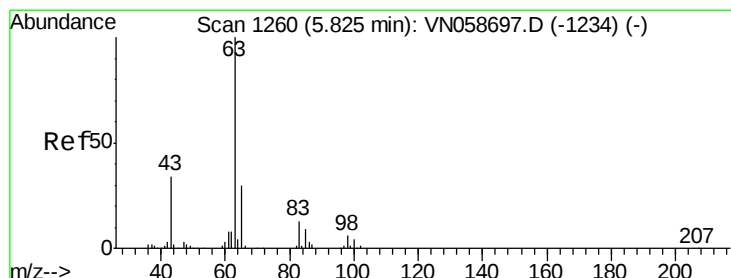
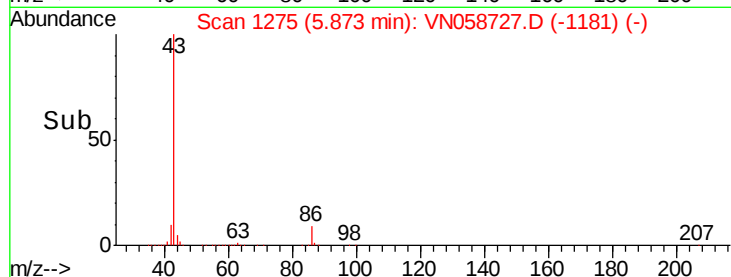
200000

100000

0

5.80 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 21.127 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

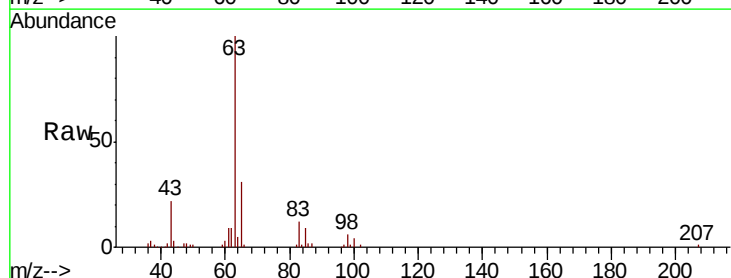
Tgt Ion: 63 Resp: 179068

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.6

100 3.6 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VN058727.D (-1167) (-)

Ion 97.90 (97.60 to 98.60): VN058727.D (-1167) (-)

Ion 99.90 (99.60 to 100.60): VN058727.D (-1167) (-)

5.82

60000

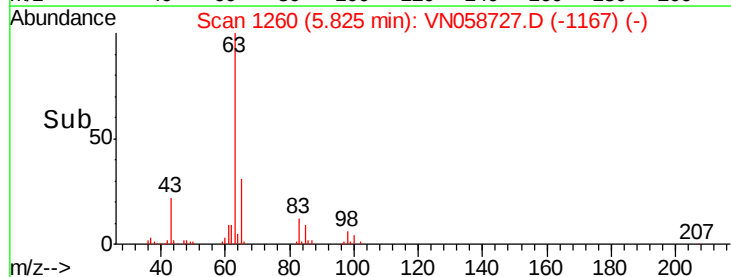
40000

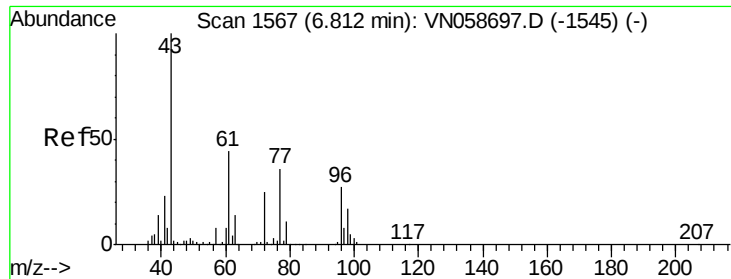
20000

0

5.70 5.80 5.90

Time-->

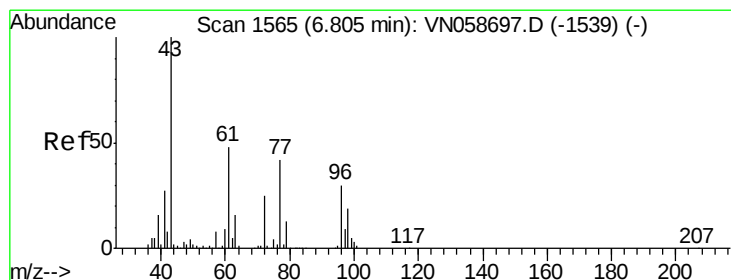
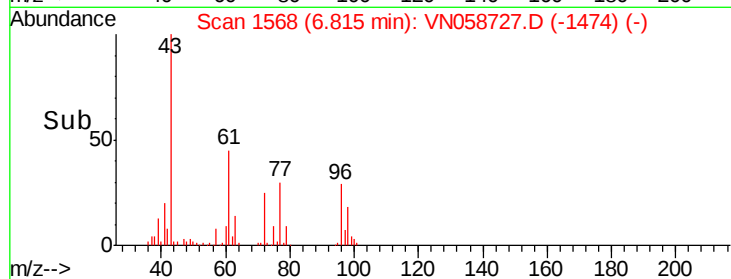
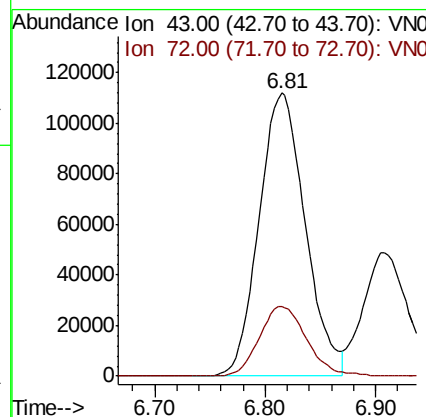
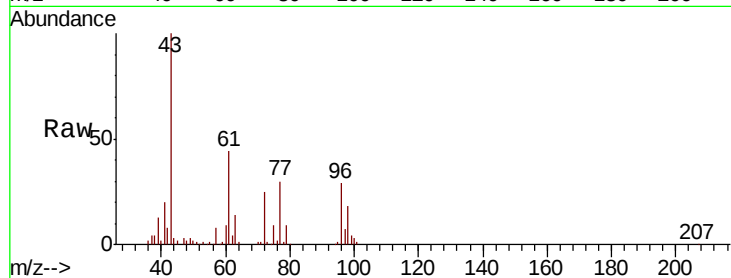




#25
2-Butanone
Concen: 98.134 ug/l
RT: 6.81 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

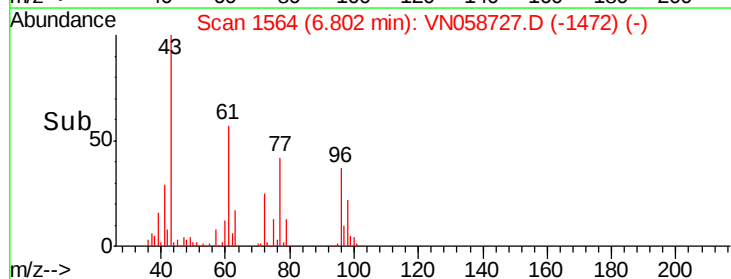
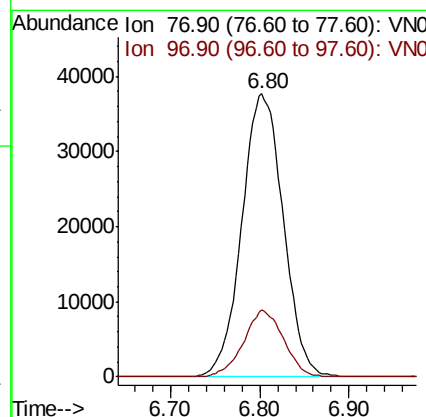
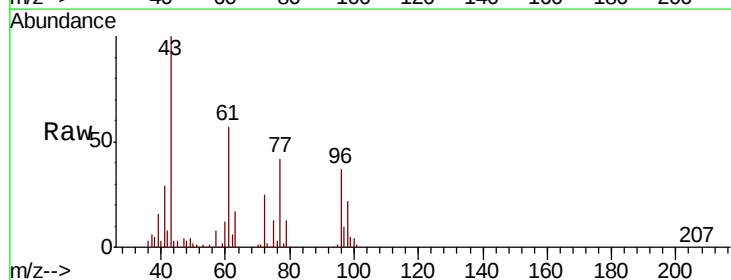
Instrument :
MSVOA_N
ClientSampled :

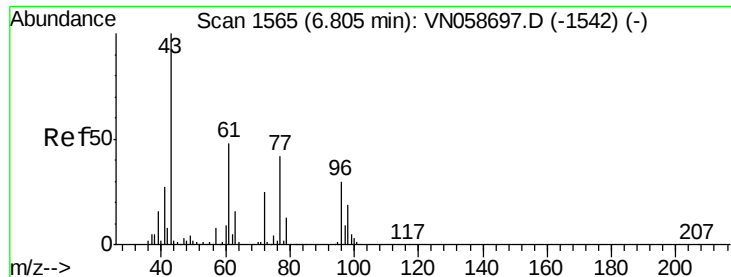
Tot Ion: 43 Resp: 324673
Ion Ratio Lower Upper
43 100
72 24.6 20.2 30.2



#26
2,2-Dichloropropane
Concen: 15.733 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Tgt Ion: 77 Resp: 121730
Ion Ratio Lower Upper
77 100
97 22.7 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 20.194 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Instrument :

MSVOA_N

ClientSampleId :

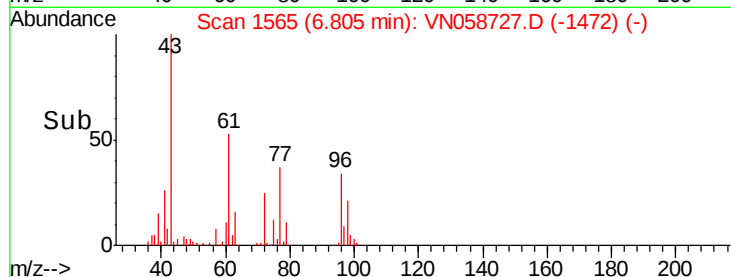
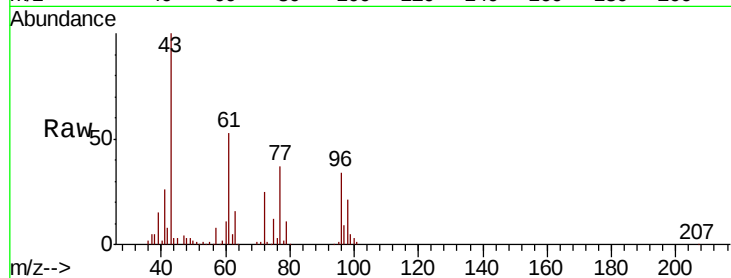
Tot Ion: 96 Resp: 99907

Ion Ratio Lower Upper

96 100

61 155.5 0.0 324.8

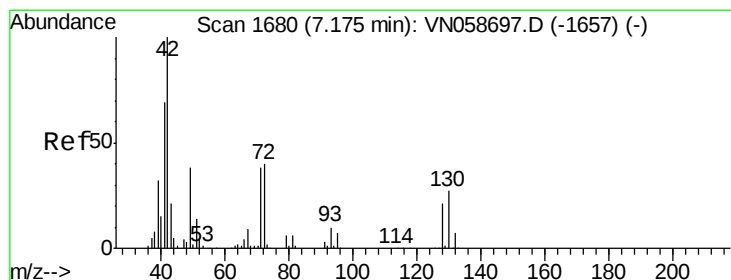
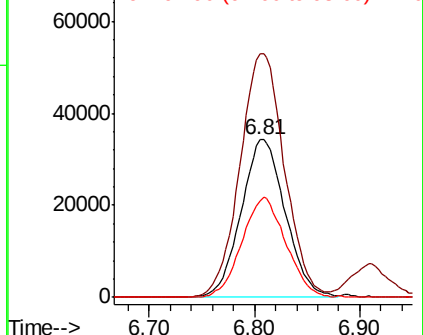
98 62.9 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 21.350 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

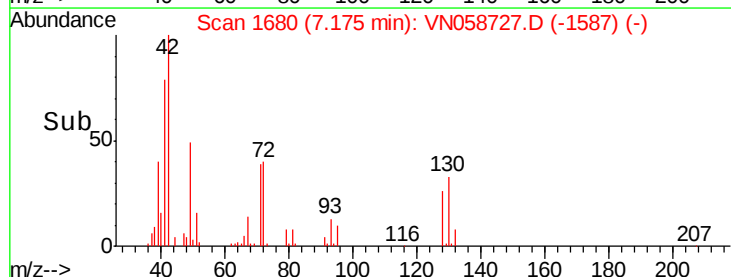
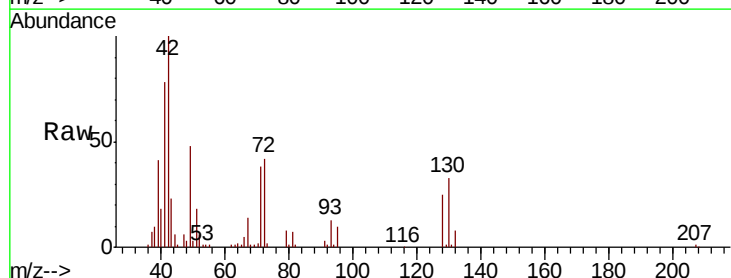
Tgt Ion: 49 Resp: 62953

Ion Ratio Lower Upper

49 100

129 0.7 0.0 3.6

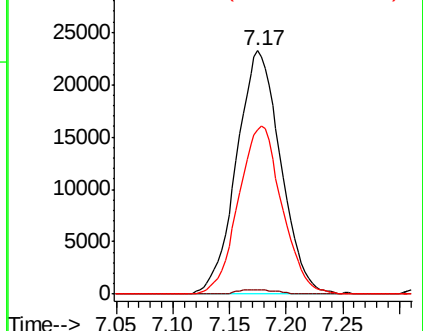
130 68.2 55.0 82.4

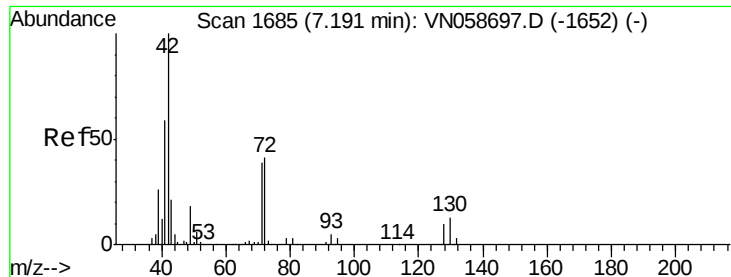


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

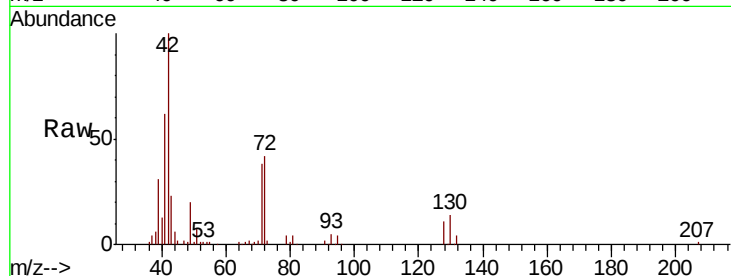




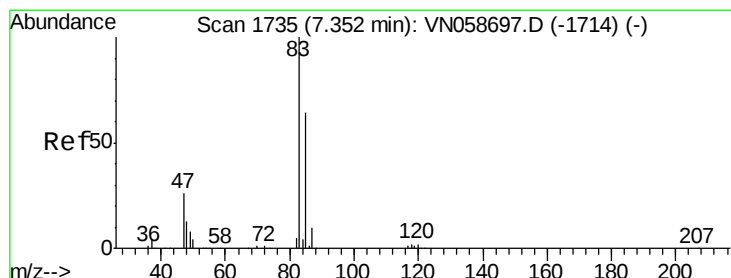
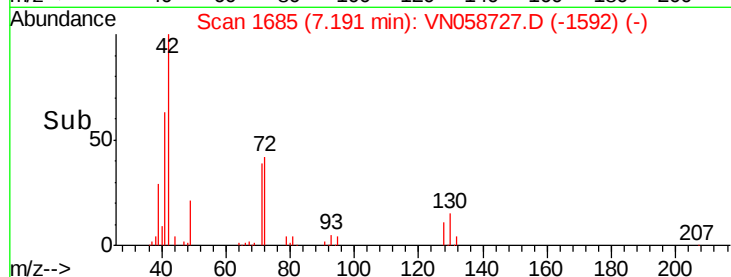
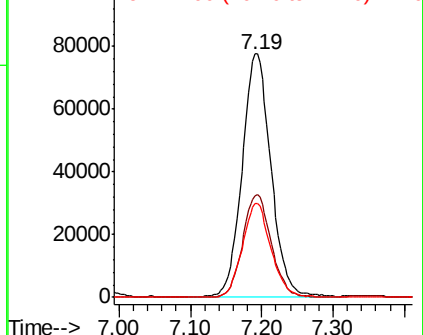
#29
Tetrahydrofuran
Concen: 102.642 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 219452
Ion Ratio Lower Upper
42 100
72 41.5 32.8 49.2
71 37.6 31.1 46.7

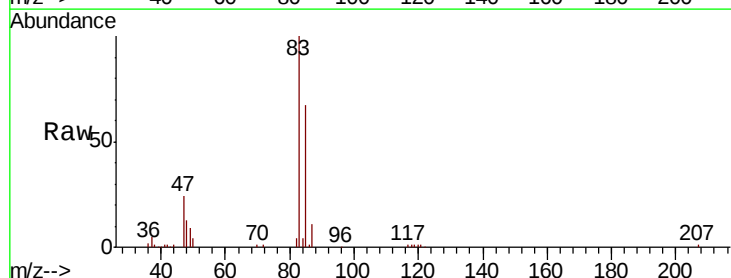


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

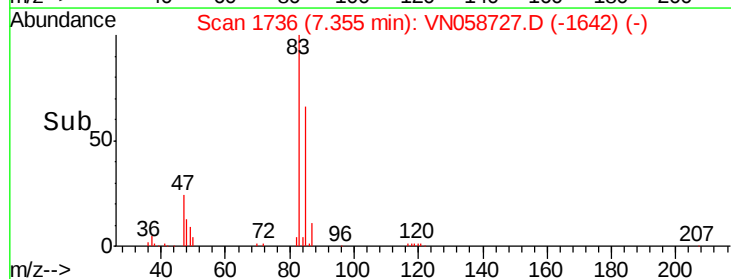
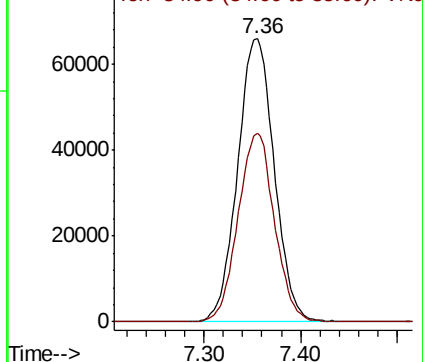


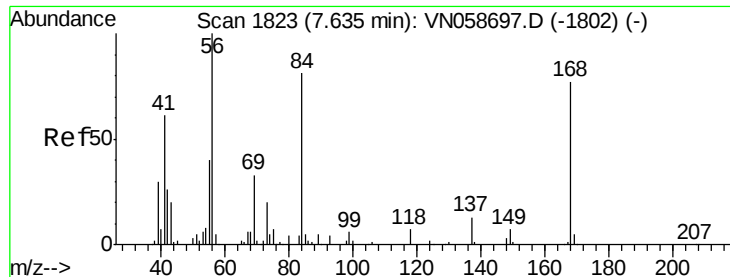
#30
Chloroform
Concen: 20.420 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Tgt Ion: 83 Resp: 173887
Ion Ratio Lower Upper
83 100
85 66.6 51.0 76.6



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

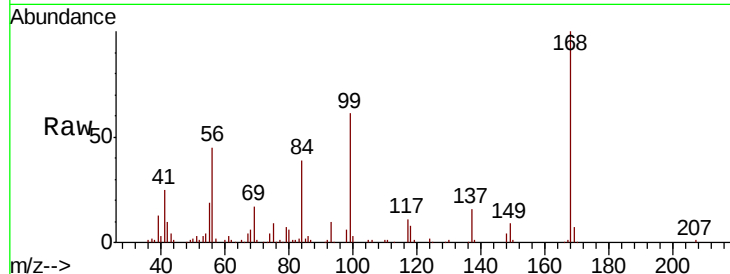




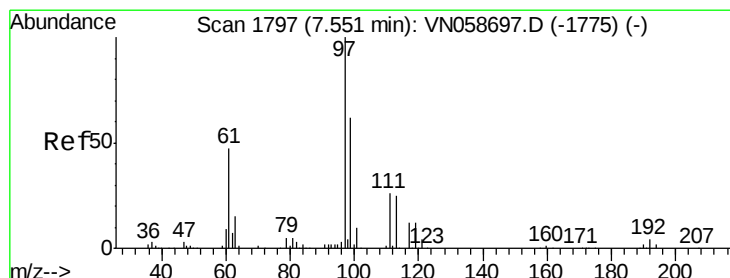
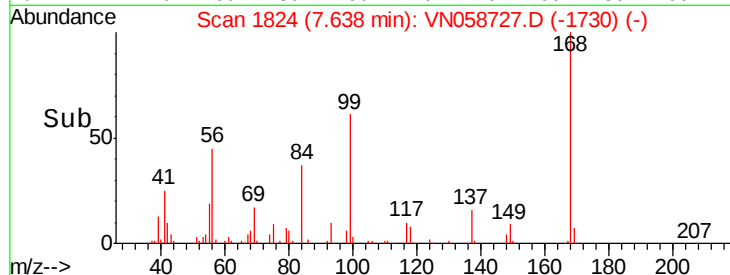
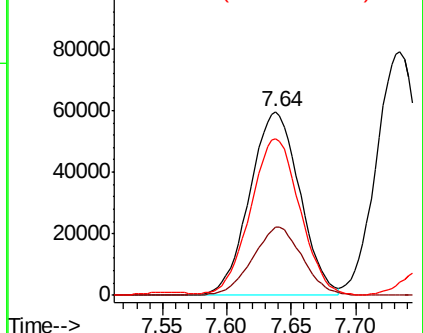
#31
Cyclohexane
Concen: 19.859 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 161054
Ion Ratio Lower Upper
56 100
69 37.1 26.2 39.4
84 84.0 64.9 97.3

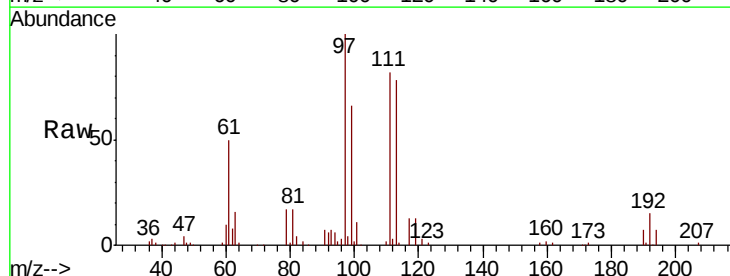


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

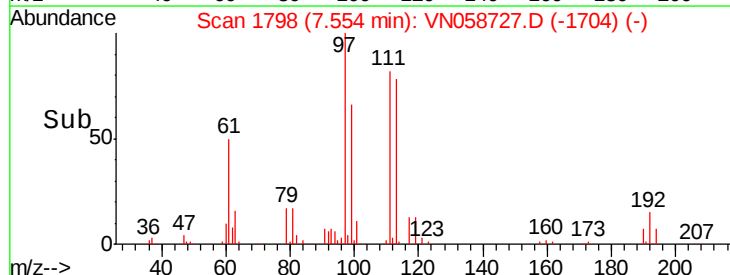
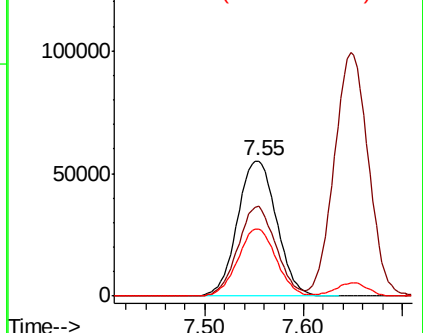


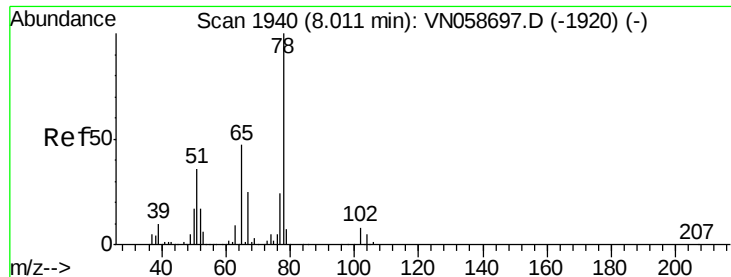
#32
1,1,1-Trichloroethane
Concen: 20.844 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Tgt Ion: 97 Resp: 151379
Ion Ratio Lower Upper
97 100
99 64.2 50.8 76.2
61 48.6 38.1 57.1



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

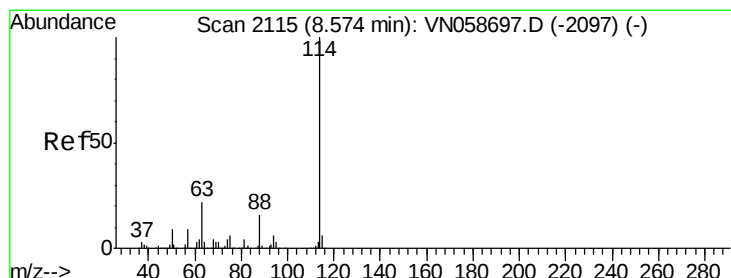
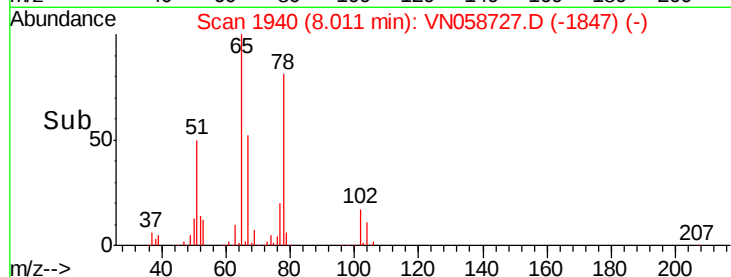
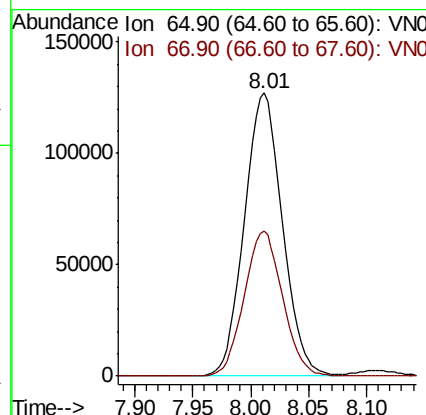
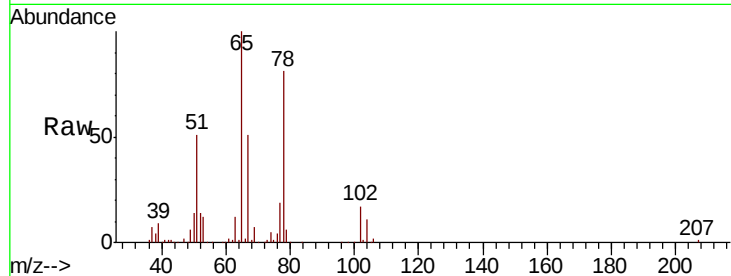




#33
 1,2-Dichloroethane-d4
 Concen: 52.650 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

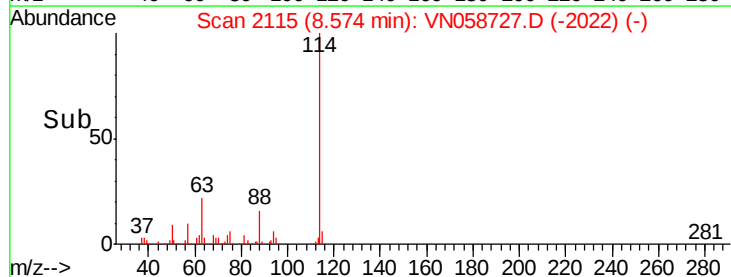
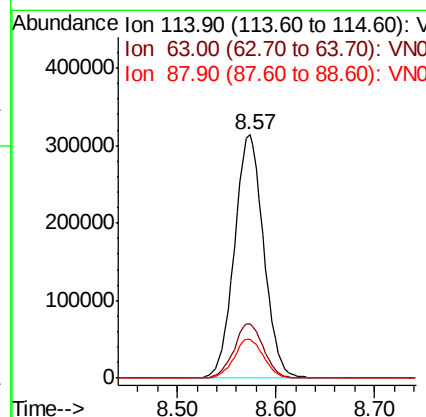
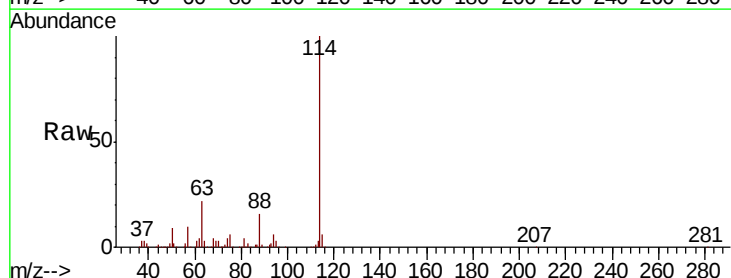
Instrument :
 MSVOA_N
 ClientSampled :

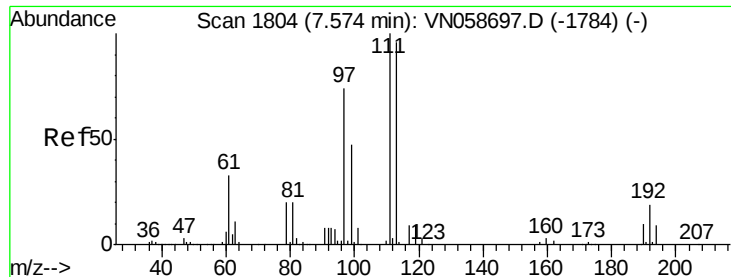
Tot Ion: 65 Resp: 291100
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

Tgt Ion: 114 Resp: 646494
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.8
 88 15.9 0.0 32.0

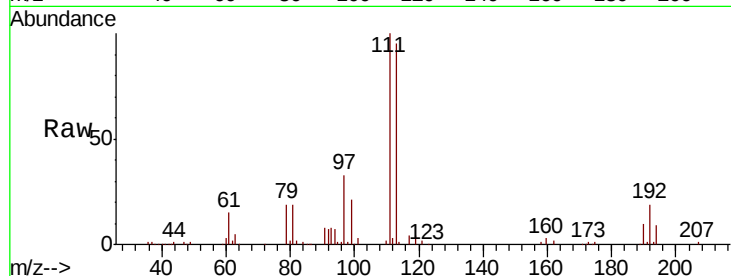




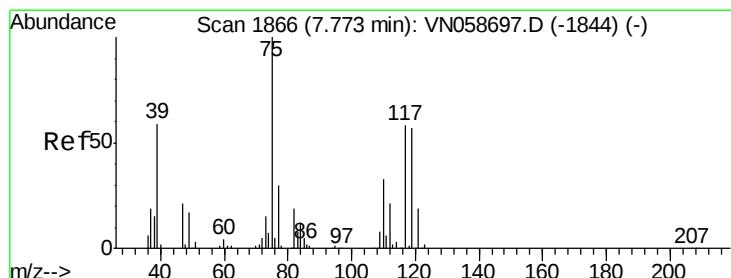
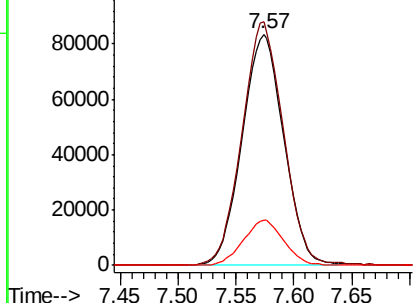
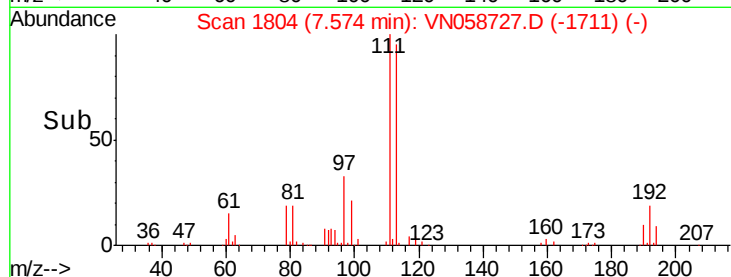
#35
 Dibromofluoromethane
 Concen: 52.339 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.7	82.3	123.5
192	19.1	15.0	22.6

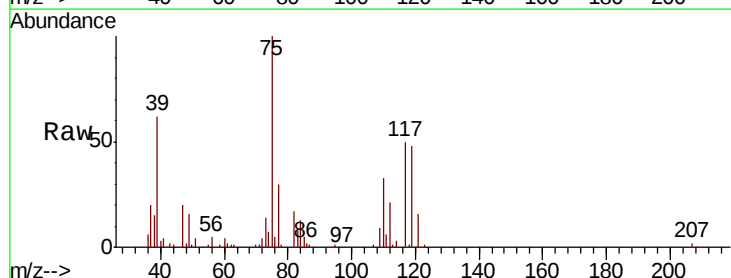


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

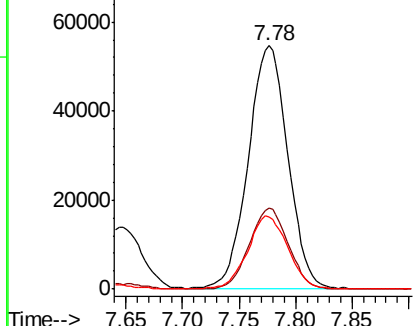
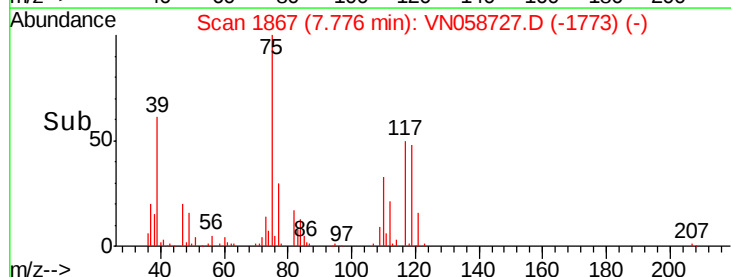


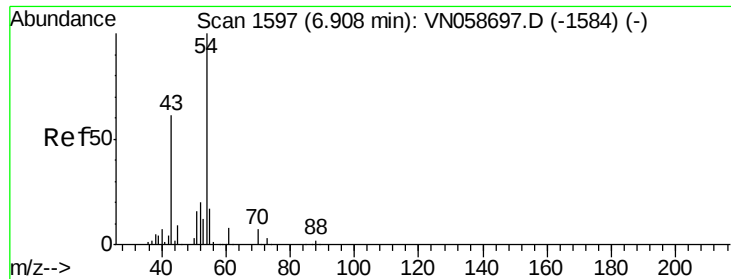
#36
 1,1-Dichloropropene
 Concen: 20.216 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.9	16.6	49.8
77	30.8	24.6	37.0



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

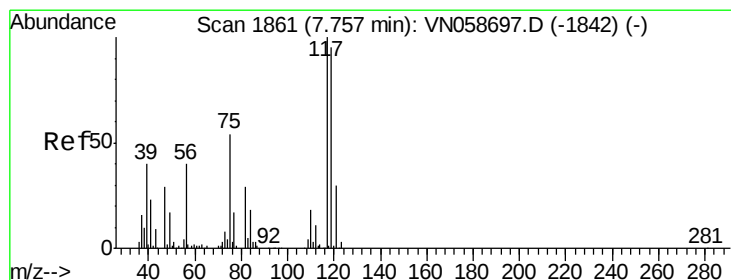
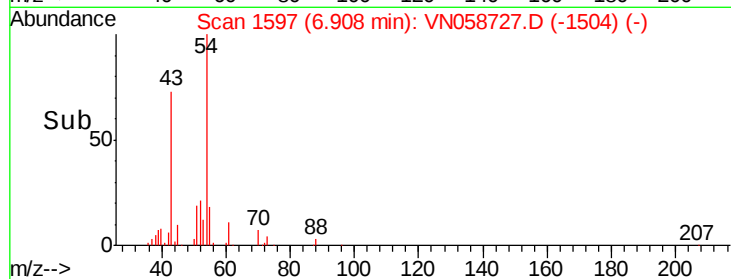
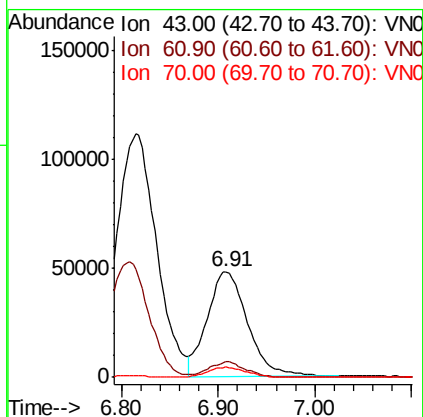
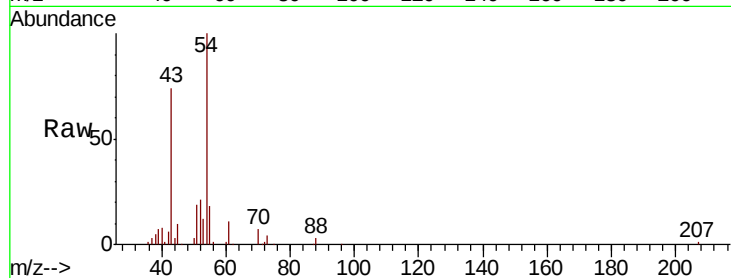




#37
Ethyl Acetate
Concen: 21.172 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

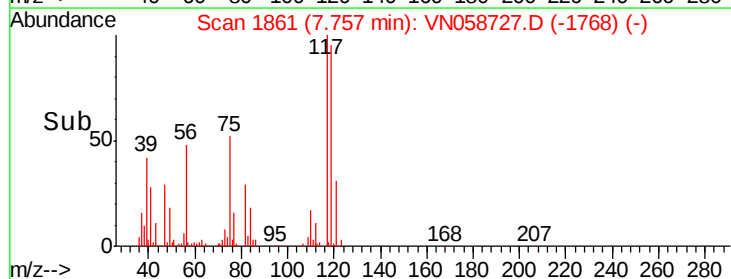
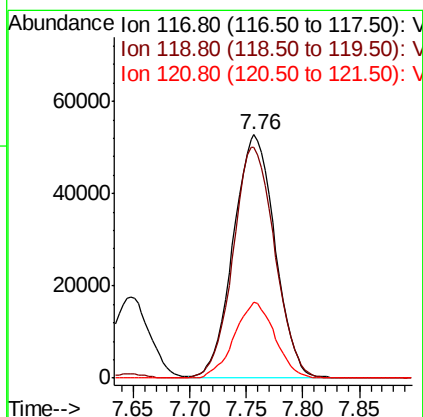
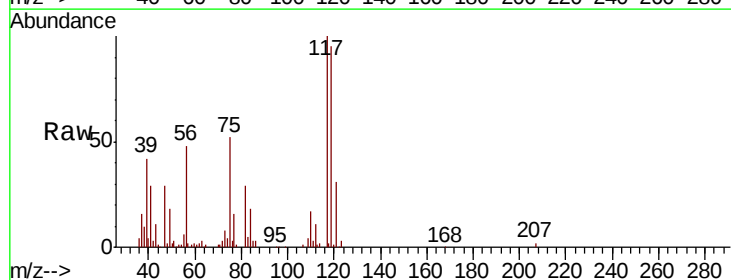
Instrument :
MSVOA_N
ClientSampled :

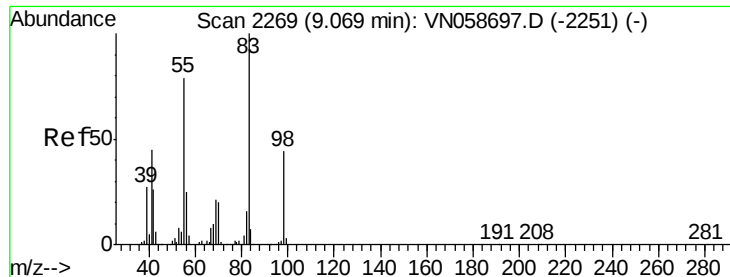
Tot Ion: 43 Resp: 139960
Ion Ratio Lower Upper
43 100
61 13.8 11.3 16.9
70 9.2 7.2 10.8



#38
Carbon Tetrachloride
Concen: 21.248 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Tgt Ion: 117 Resp: 135359
Ion Ratio Lower Upper
117 100
119 94.8 75.7 113.5
121 31.1 23.9 35.9

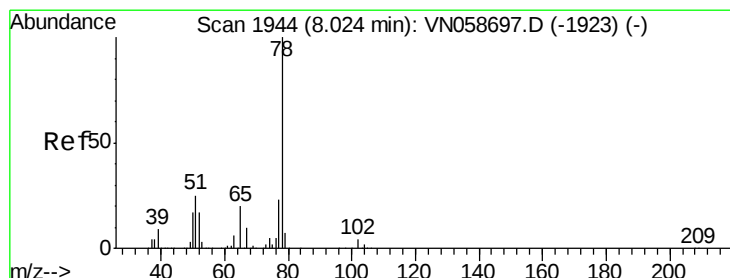
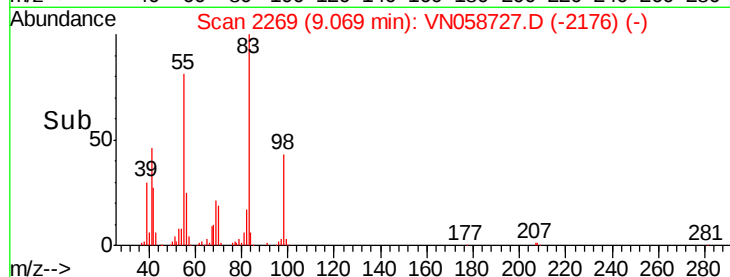
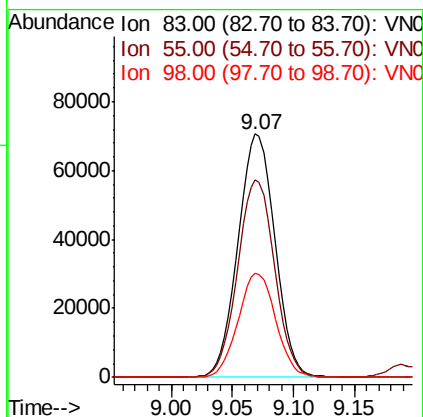
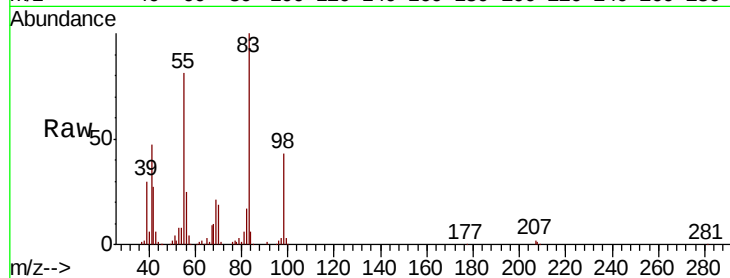




#39
Methvlcvclohexane
Concen: 19.519 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

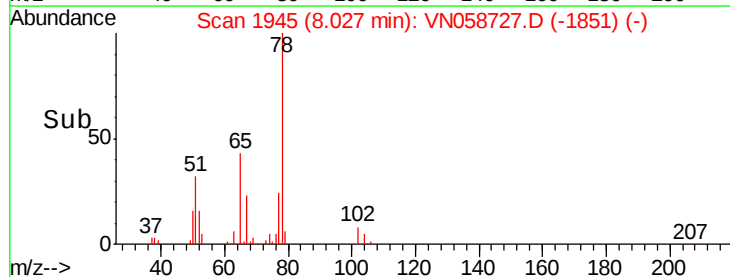
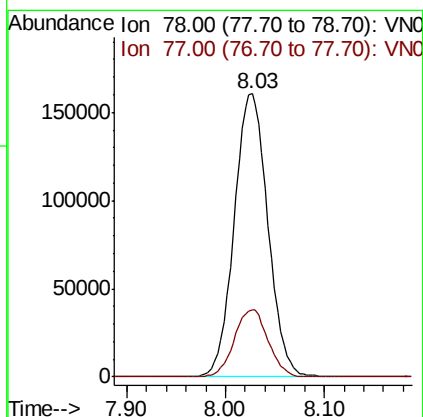
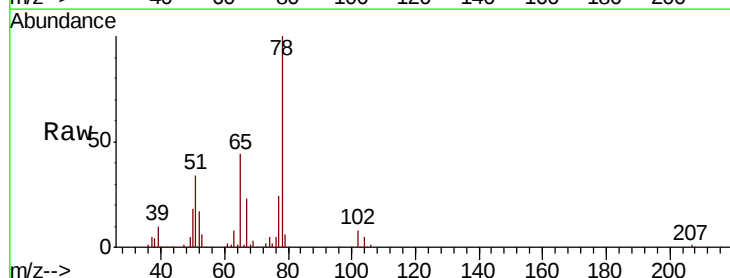
Instrument :
MSVOA_N
ClientSampled :

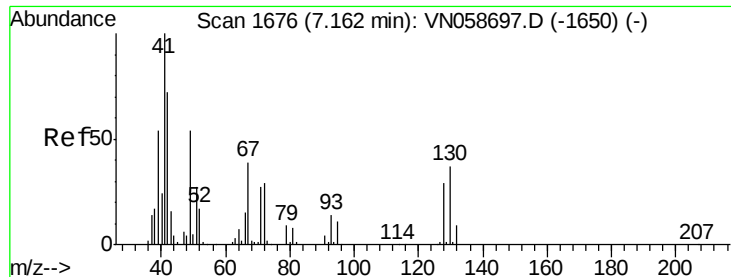
Tot Ion: 83 Resp: 148048
Ion Ratio Lower Upper
83 100
55 80.9 63.4 95.0
98 42.7 35.1 52.7



#40
Benzene
Concen: 20.252 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Tgt Ion: 78 Resp: 380193
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2

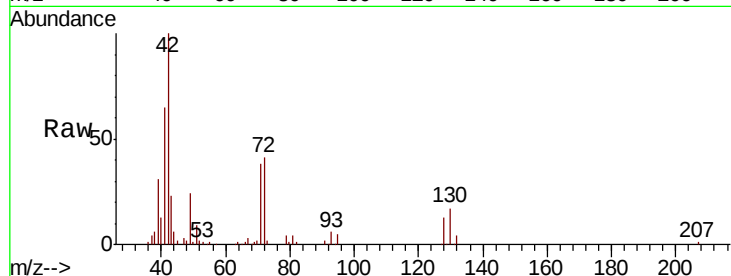




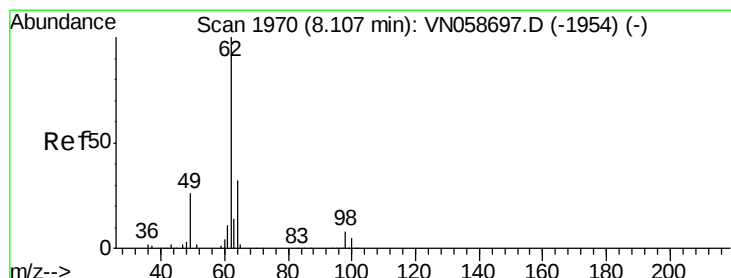
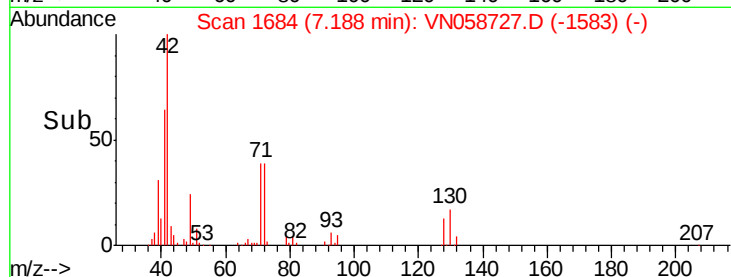
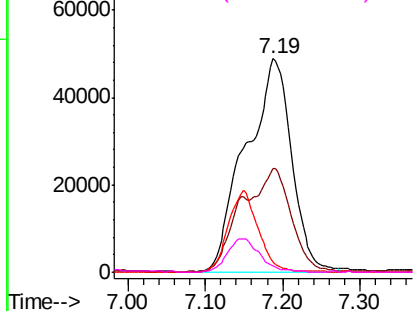
#41
Methacrylonitrile
Concen: 65.179 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	115.4	173.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

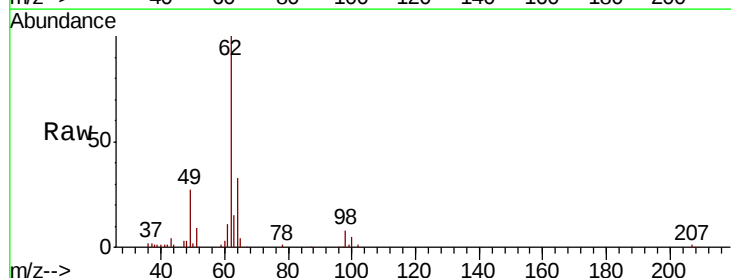


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

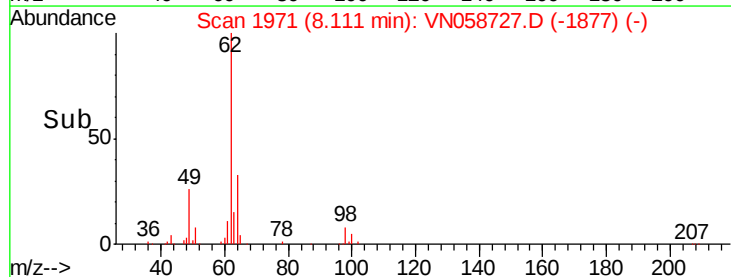
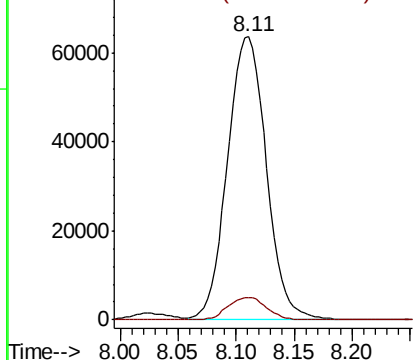


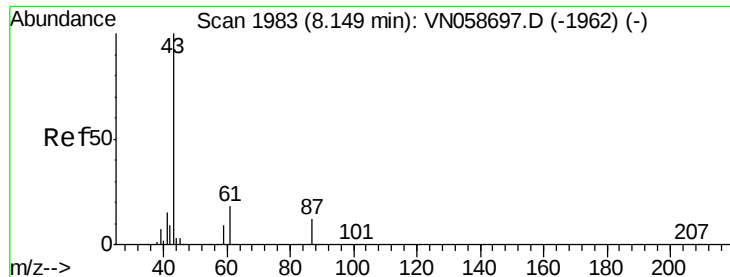
#42
1,2-Dichloroethane
Concen: 20.444 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.8



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





#43

Isopropyl Acetate

Concen: 19.763 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Instrument :

MSVOA_N

ClientSampled :

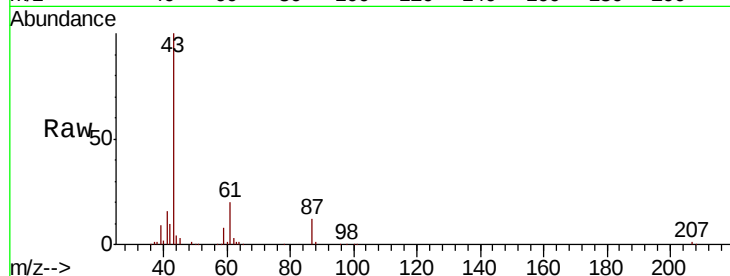
Tot Ion: 43 Resp: 222555

Ion Ratio Lower Upper

43 100

61 25.3 20.3 30.5

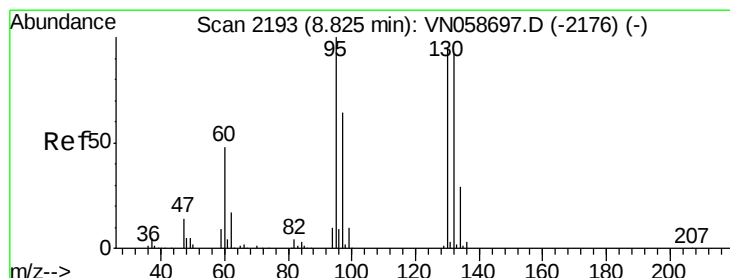
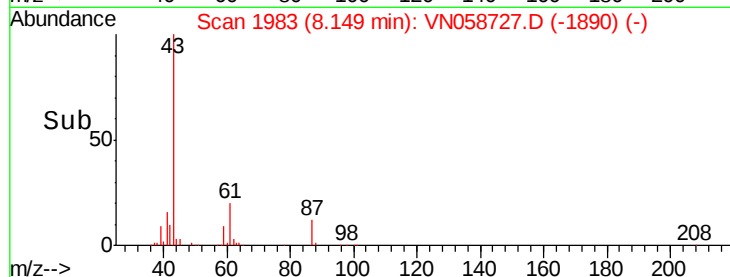
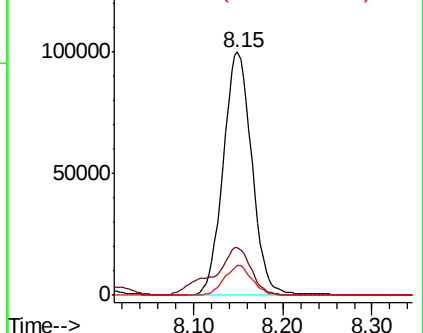
87 11.9 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN058697.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN058697.D (-1962) (-)



#44

Trichloroethene

Concen: 20.279 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058727.D

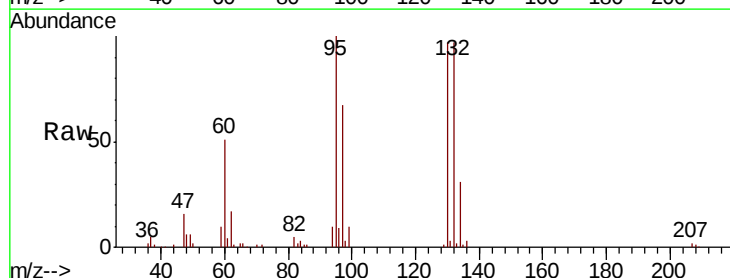
Acq: 12 Oct 2019 1:33

Tgt Ion: 130 Resp: 94537

Ion Ratio Lower Upper

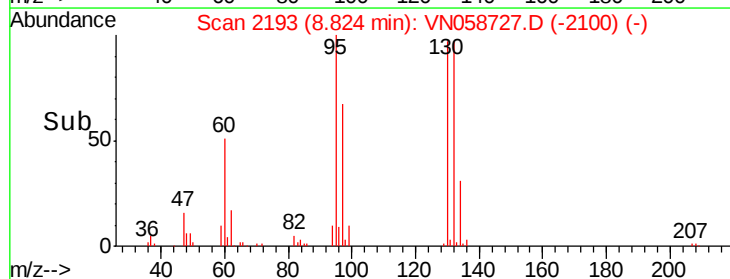
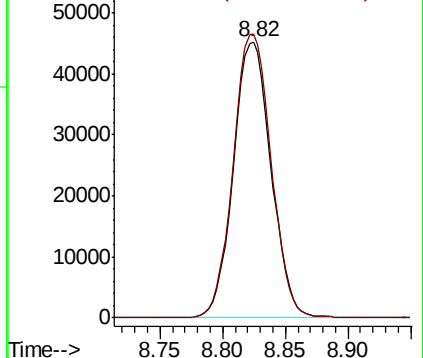
130 100

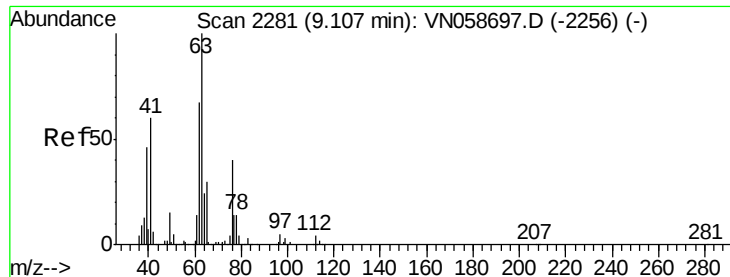
95 102.6 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): VN058697.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN058697.D (-2176) (-)

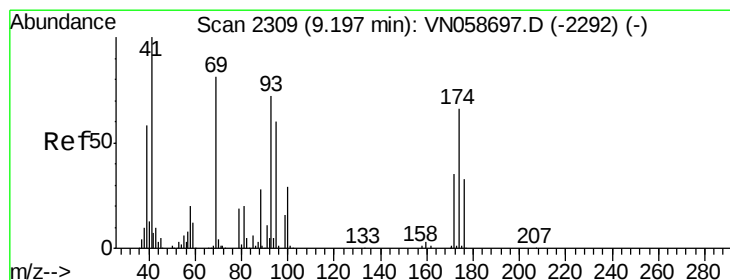
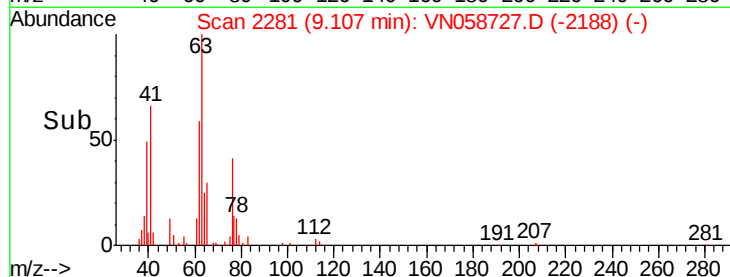
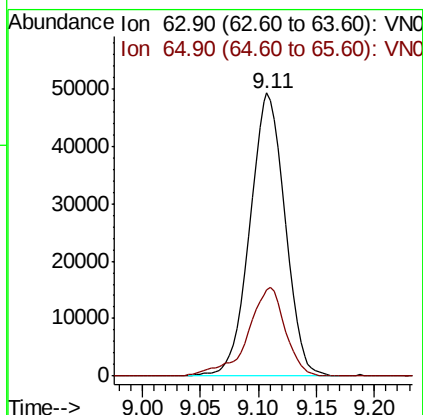
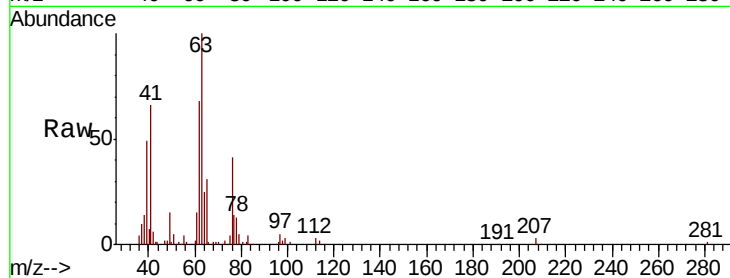




#45
 1,2-Dichloropropane
 Concen: 20.708 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

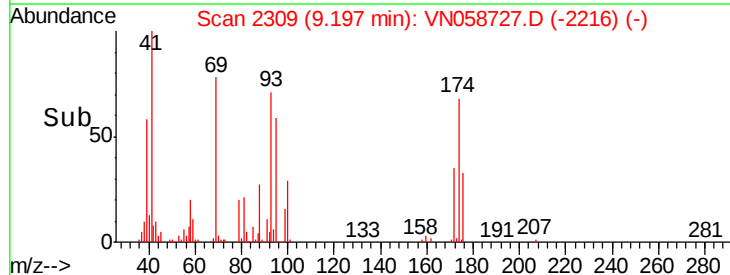
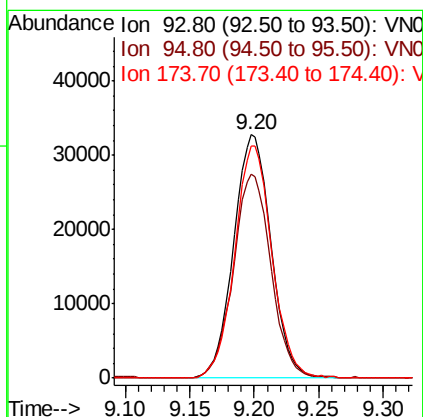
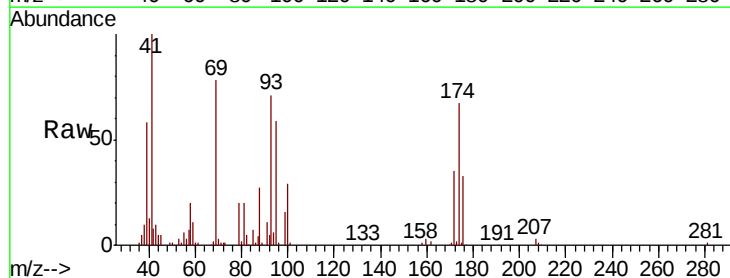
Instrument :
 MSVOA_N
 ClientSampled :

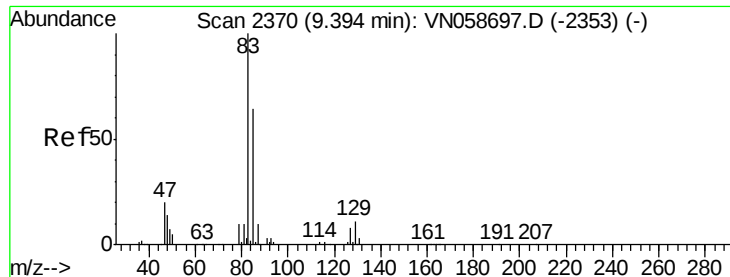
Tot Ion: 63 Resp: 104068
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.1 36.1



#46
 Dibromomethane
 Concen: 20.769 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

Tgt Ion: 93 Resp: 66175
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.6 100.0
 174 94.9 75.2 112.8





#47

Bromodichloromethane

Concen: 20.691 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Instrument :

MSVOA_N

ClientSampleId :

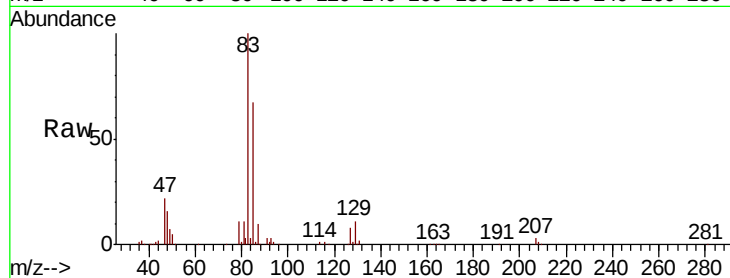
Tot Ion: 83 Resp: 134246

Ion Ratio Lower Upper

83 100

85 67.4 50.9 76.3

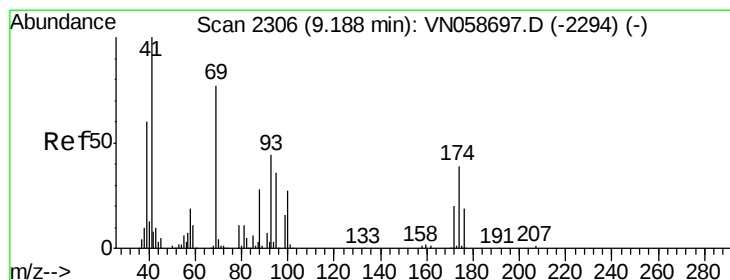
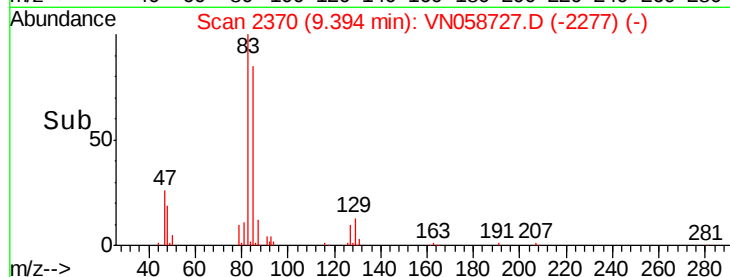
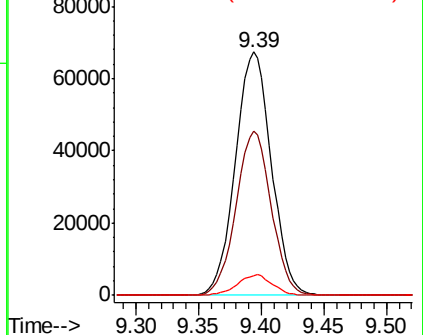
127 8.2 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN058727.D (-2277) (-)

Ion 84.90 (84.60 to 85.60): VN058727.D (-2277) (-)

Ion 126.80 (126.50 to 127.50): VN058727.D (-2277) (-)



#48

Methyl methacrylate

Concen: 20.616 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

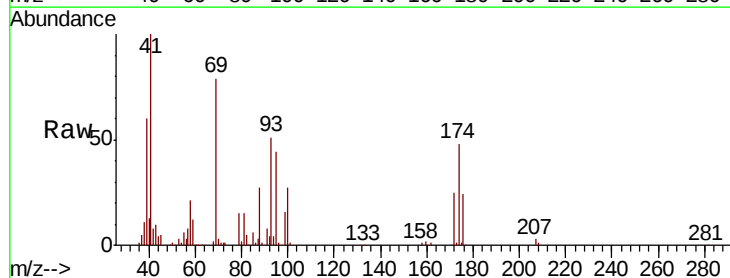
Tgt Ion: 41 Resp: 105239

Ion Ratio Lower Upper

41 100

69 77.4 63.4 95.2

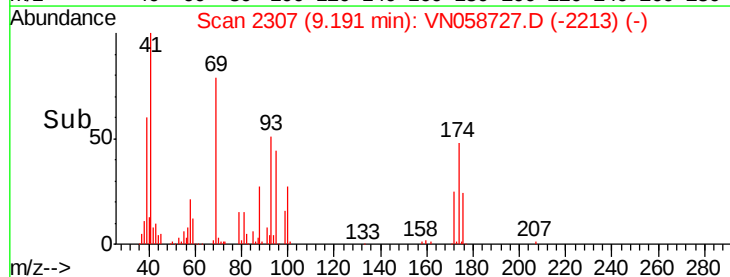
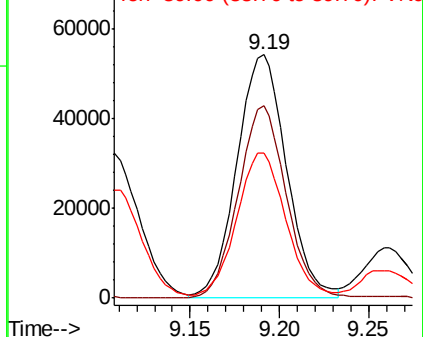
39 57.3 48.9 73.3

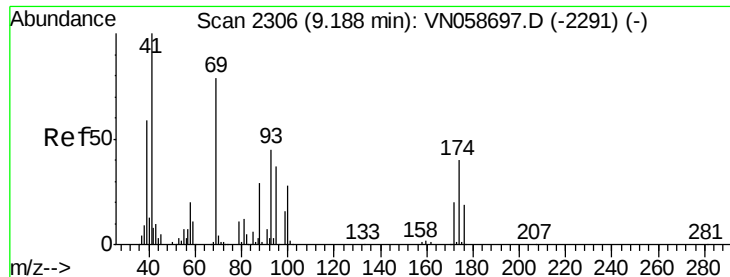


Abundance Ion 41.00 (40.70 to 41.70): VN058727.D (-2213) (-)

Ion 69.00 (68.70 to 69.70): VN058727.D (-2213) (-)

Ion 39.00 (38.70 to 39.70): VN058727.D (-2213) (-)

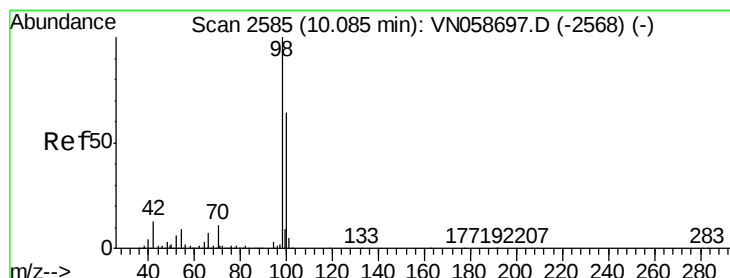
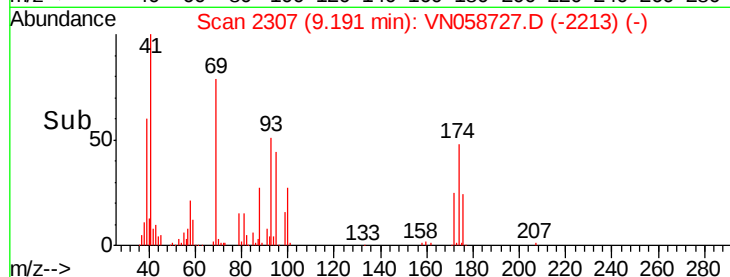
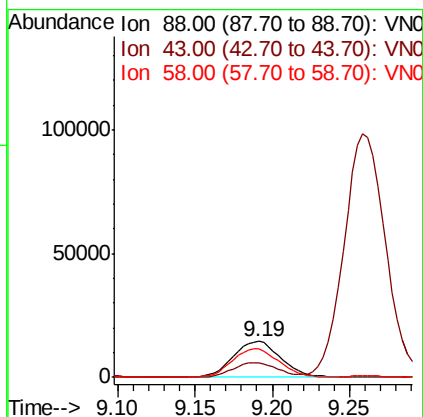
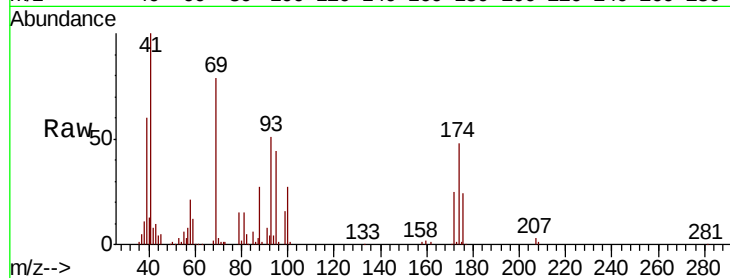




#49
 1,4-Dioxane
 Concen: 395.012 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

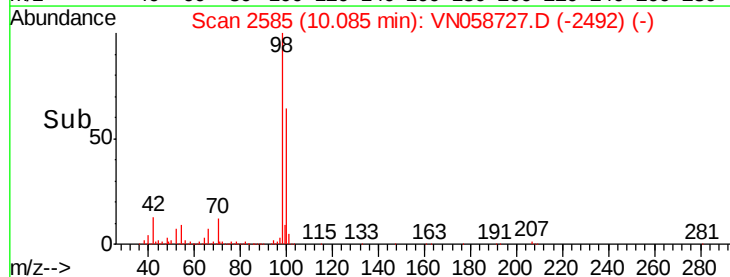
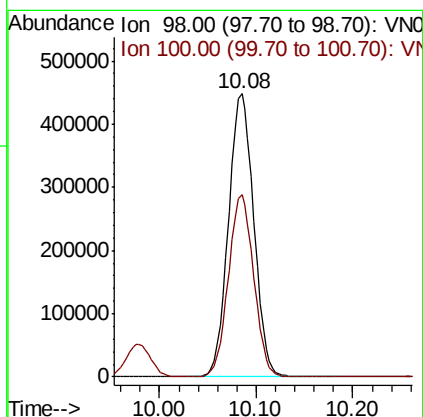
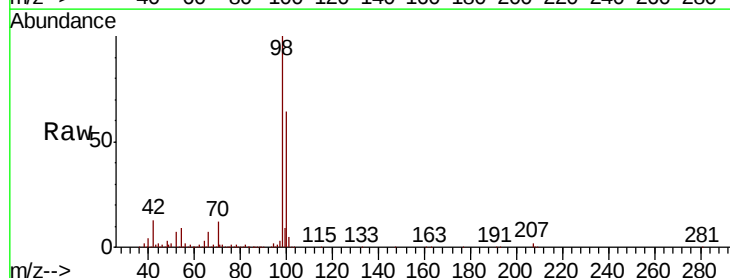
Instrument :
 MSVOA_N
 ClientSampled :

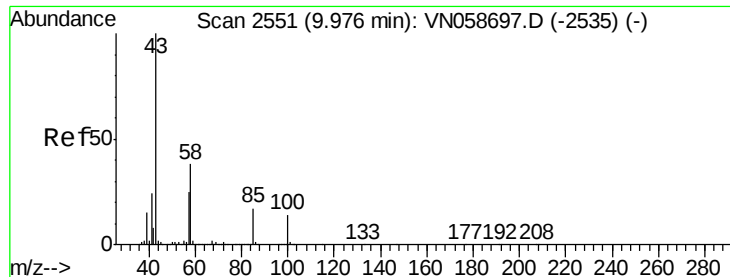
Tot Ion: 88 Resp: 31195
 Ion Ratio Lower Upper
 88 100
 43 39.2 28.6 43.0
 58 78.6 57.2 85.8



#50
 Toluene-d8
 Concen: 50.986 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

Tgt Ion: 98 Resp: 814164
 Ion Ratio Lower Upper
 98 100
 100 64.2 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 108.678 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Instrument :

MSVOA_N

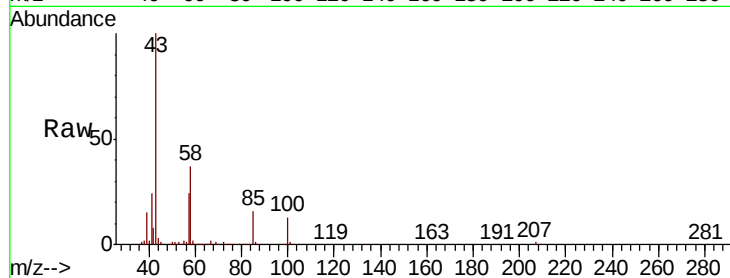
ClientSampleId :

Tot Ion: 43 Resp: 687338

Ion Ratio Lower Upper

43 100

58 37.3 30.3 45.5



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN058697.D (-2535) (-)

9.98

400000

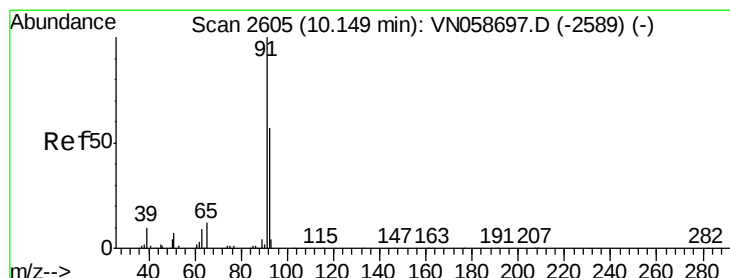
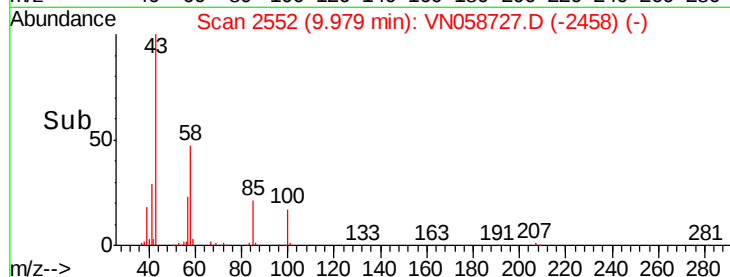
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.191 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058727.D

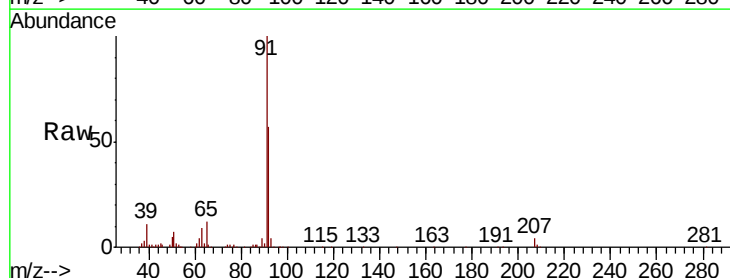
Acq: 12 Oct 2019 1:33

Tgt Ion: 92 Resp: 231829

Ion Ratio Lower Upper

92 100

91 176.8 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN058697.D (-2589) (-)

Ion 91.00 (90.70 to 91.70): VN058697.D (-2589) (-)

10.15

250000

200000

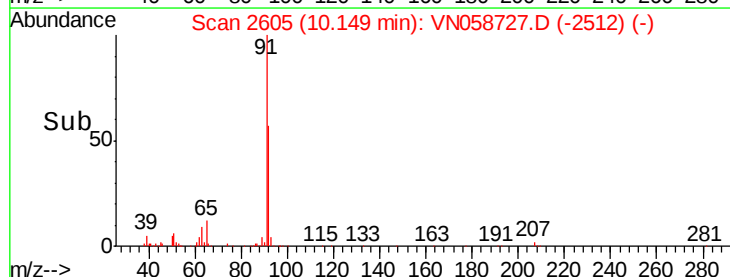
150000

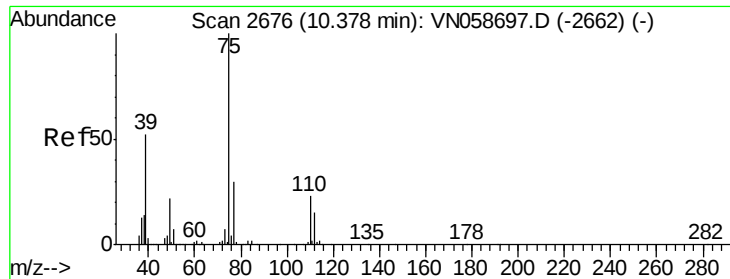
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.338 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Instrument :

MSVOA_N

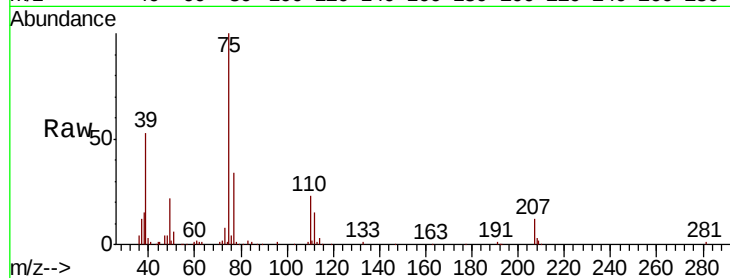
ClientSampleId :

Tot Ion: 75 Resp: 143909

Ion Ratio Lower Upper

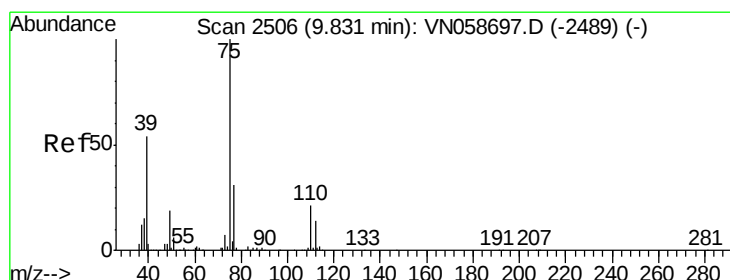
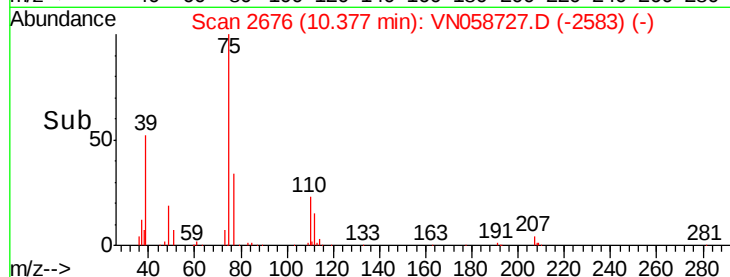
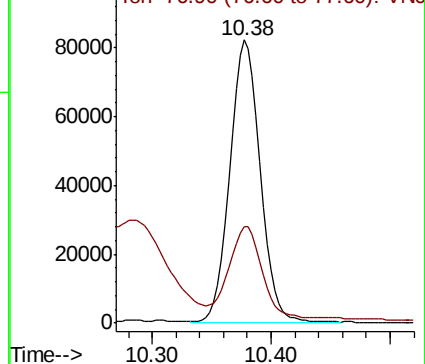
75 100

77 32.3 26.2 39.4



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: 19.561 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

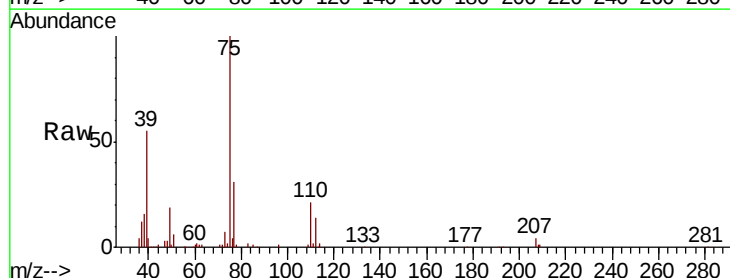
Tgt Ion: 75 Resp: 154551

Ion Ratio Lower Upper

75 100

77 30.8 24.4 36.6

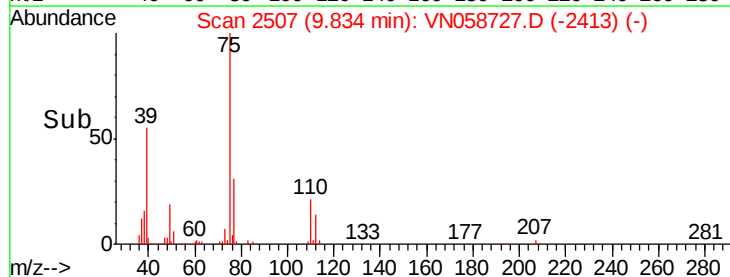
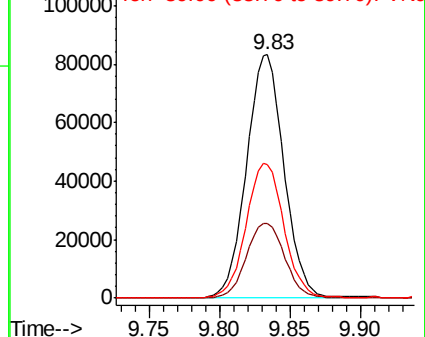
39 54.7 43.1 64.7

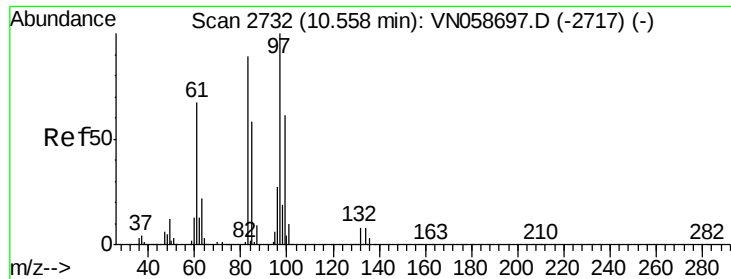


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

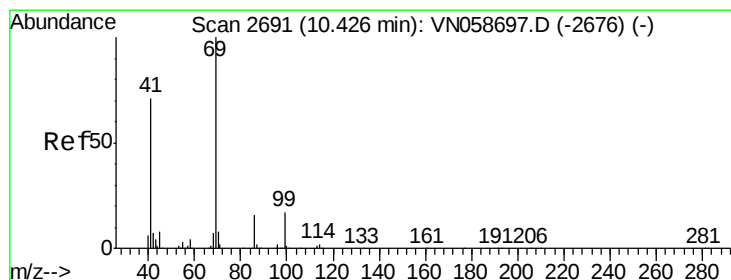
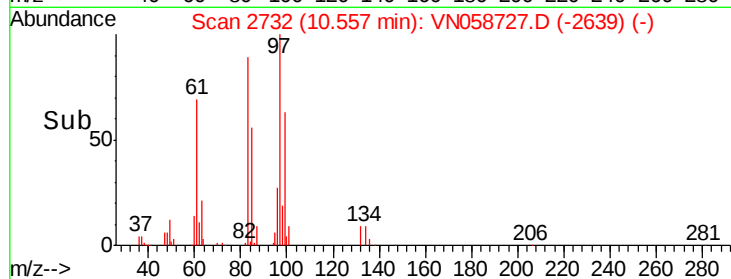
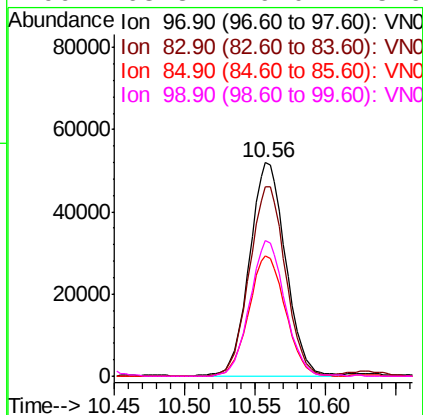
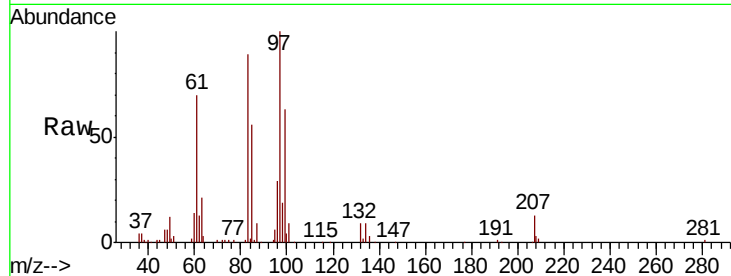




#55
 1,1,2-Trichloroethane
 Concen: 19.900 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

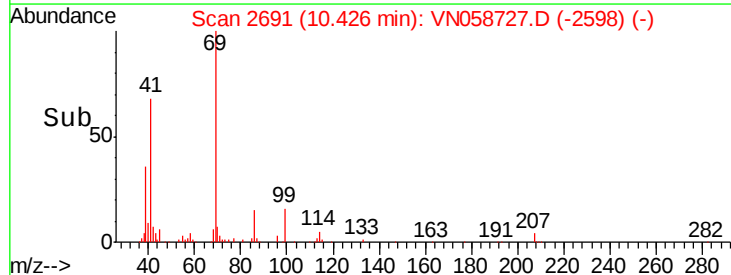
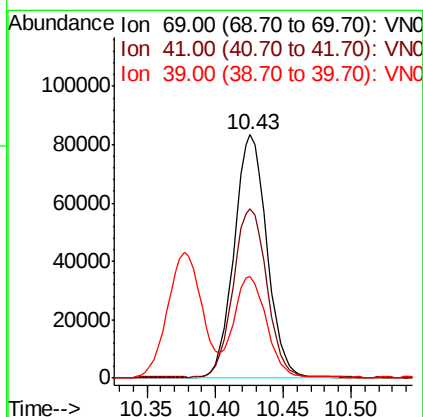
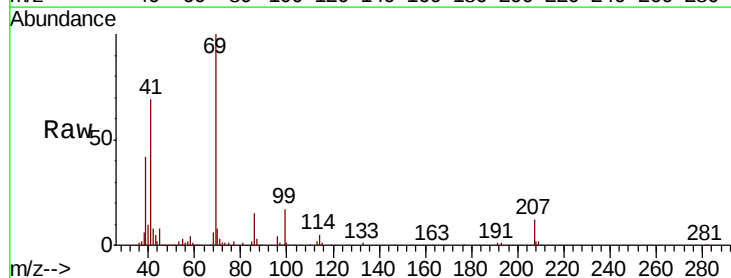
Instrument :
 MSVOA_N
 ClientSampleId :

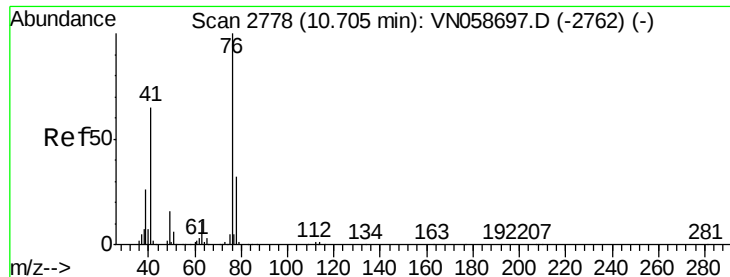
Tot Ion:	97	Resp:	93521
Ion	Ratio	Lower	Upper
97	100		
83	88.9	71.2	106.8
85	56.5	46.7	70.1
99	63.3	49.0	73.6



#56
 Ethyl methacrylate
 Concen: 20.311 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

Tgt Ion:	69	Resp:	139446
Ion	Ratio	Lower	Upper
69	100		
41	71.0	56.8	85.2
39	40.8	32.5	48.7





#57

1,3-Dichloropropane

Concen: 20.540 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Instrument :

MSVOA_N

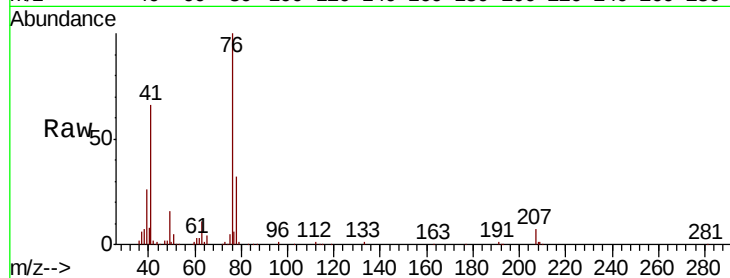
ClientSampleId :

Tot Ion: 76 Resp: 164485

Ion Ratio Lower Upper

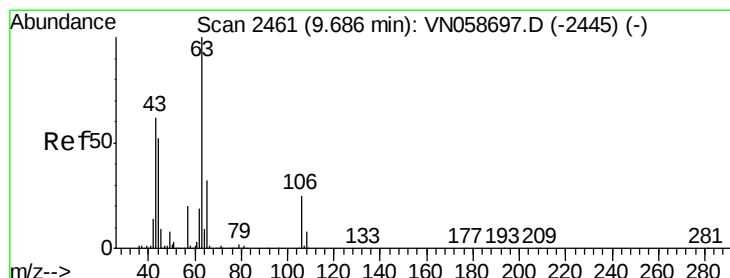
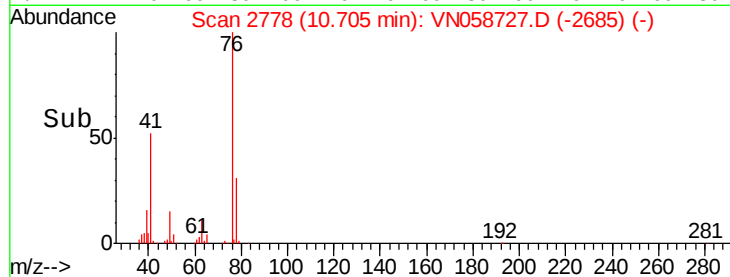
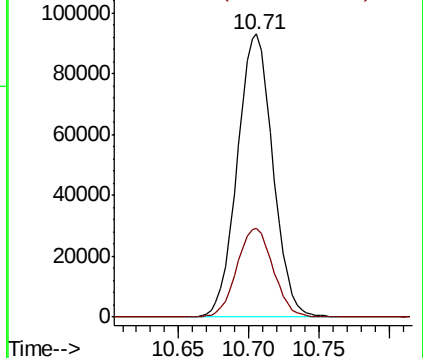
76 100

78 32.1 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 101.518 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058727.D

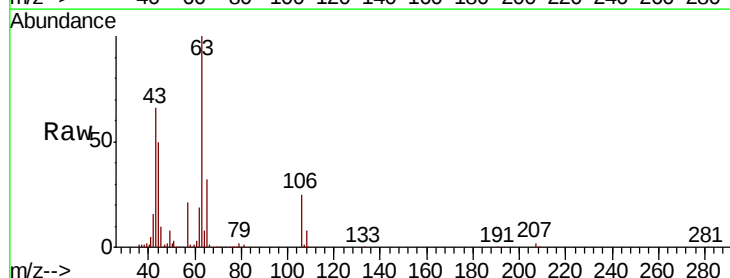
Acq: 12 Oct 2019 1:33

Tgt Ion: 63 Resp: 335885

Ion Ratio Lower Upper

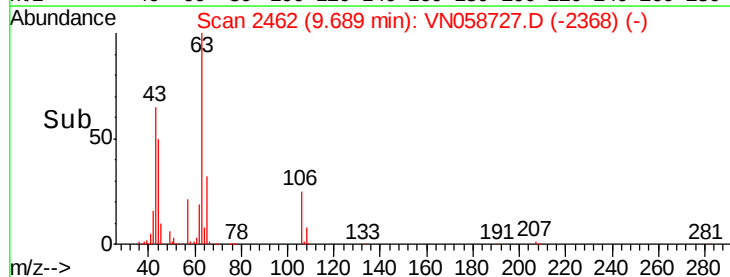
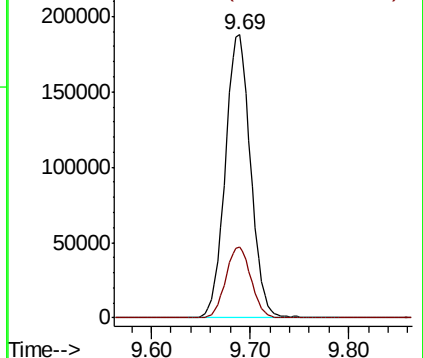
63 100

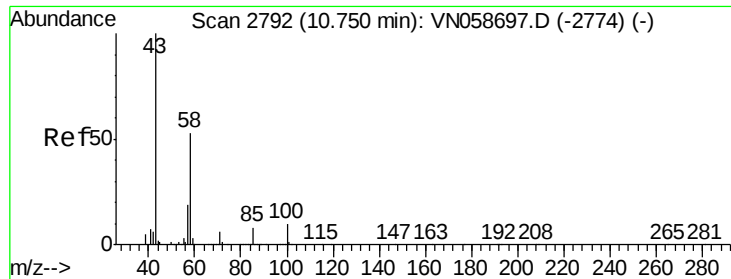
106 25.3 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

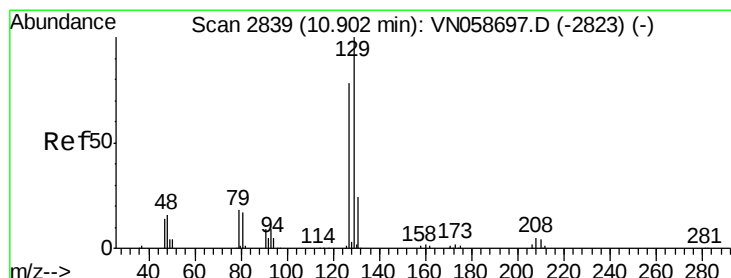
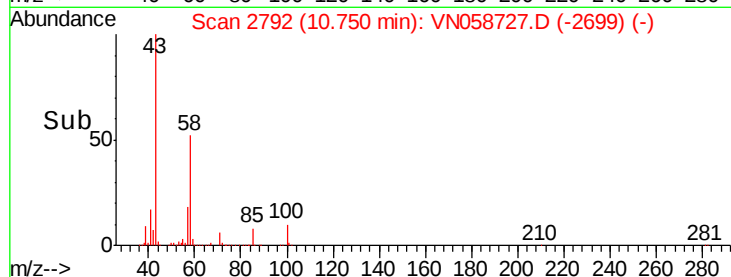
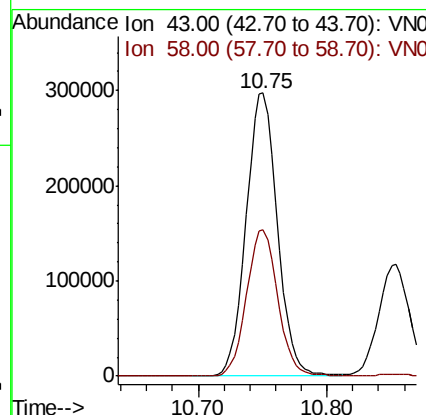
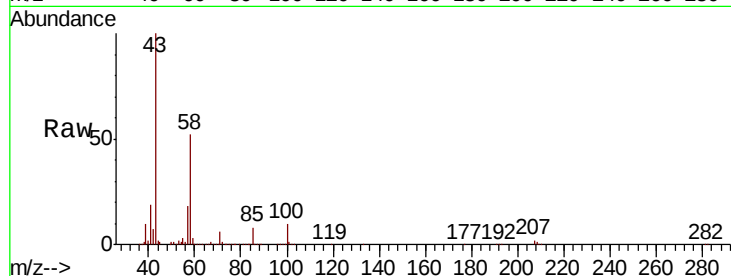




#59
2-Hexanone
Concen: 102.536 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

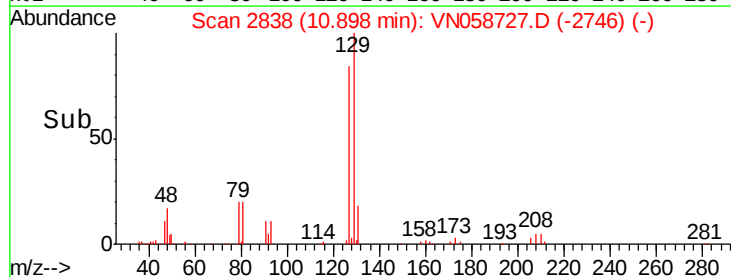
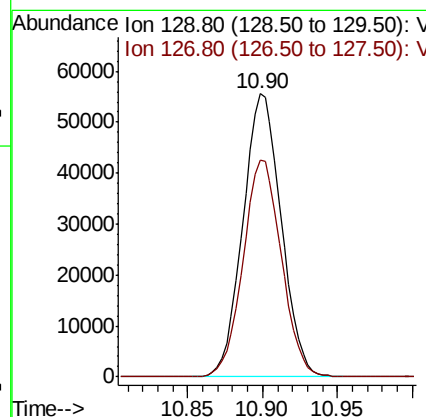
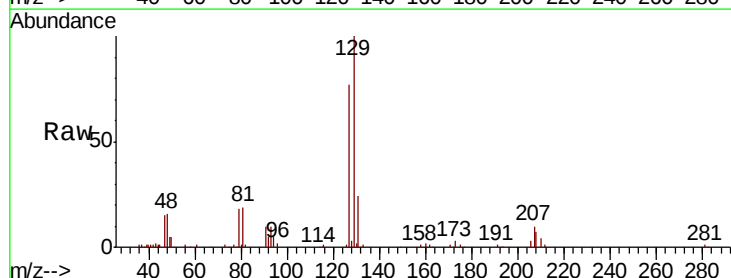
Instrument :
MSVOA_N
ClientSampleId :

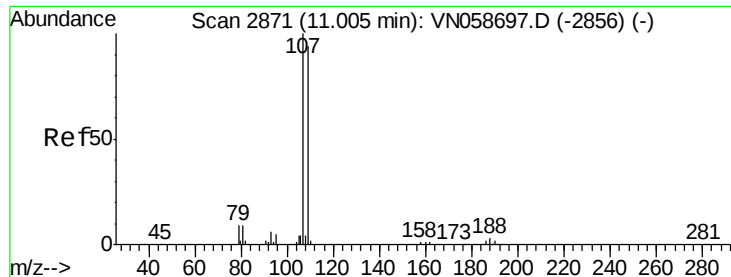
Tot Ion: 43 Resp: 501159
Ion Ratio Lower Upper
43 100
58 51.8 26.1 78.3



#60
Dibromochloromethane
Concen: 20.418 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Tgt Ion:129 Resp: 98982
Ion Ratio Lower Upper
129 100
127 76.7 38.5 115.3

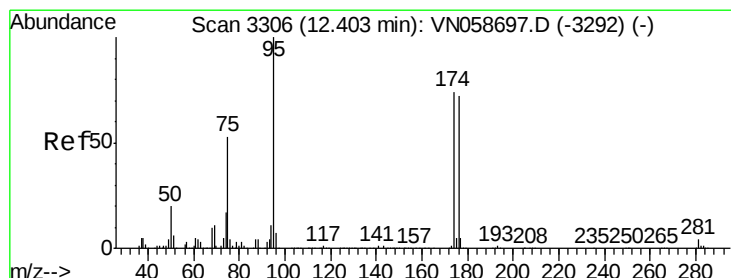
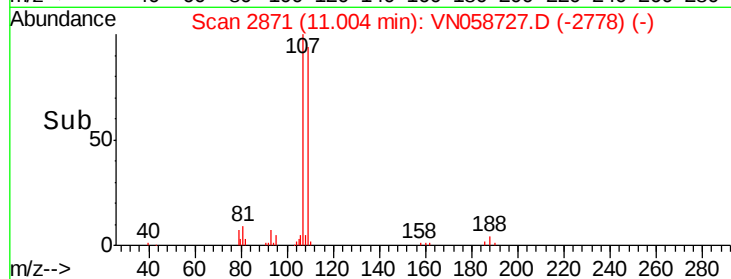
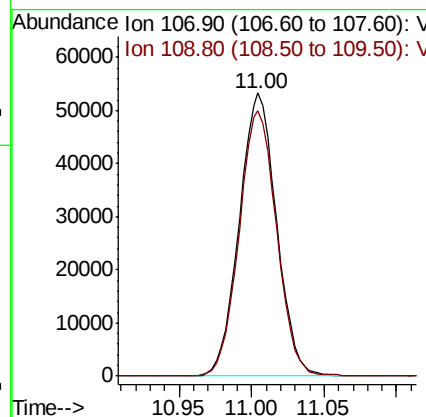
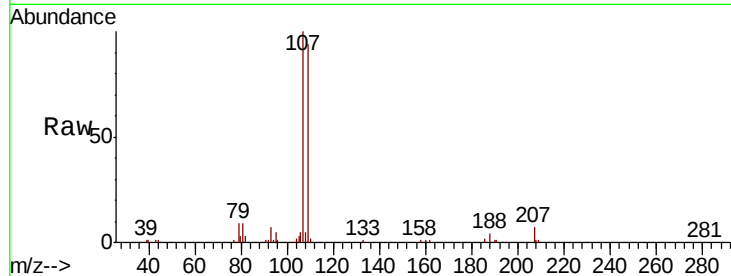




#61
 1,2-Dibromoethane
 Concen: 20.174 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

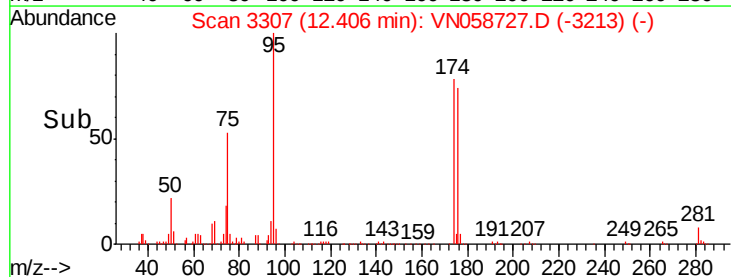
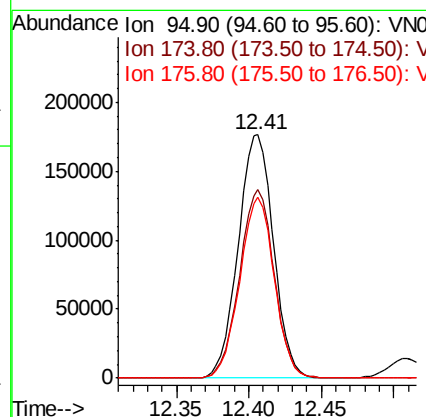
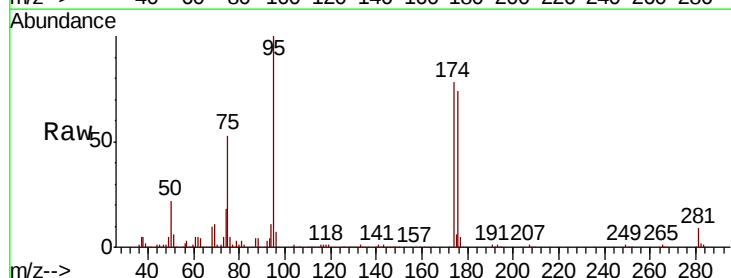
Instrument :
 MSVOA_N
 ClientSampleId :

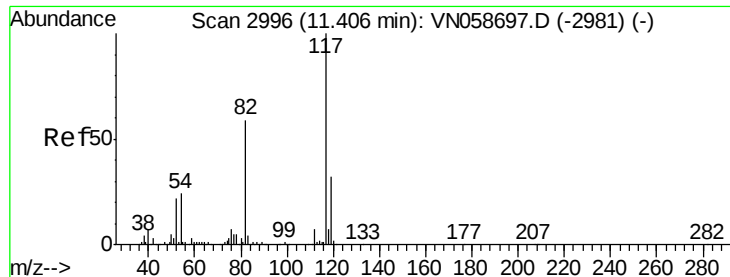
Tot Ion: 107 Resp: 94980
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 49.275 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

Tgt Ion: 95 Resp: 297844
 Ion Ratio Lower Upper
 95 100
 174 76.4 0.0 150.4
 176 73.0 0.0 146.8

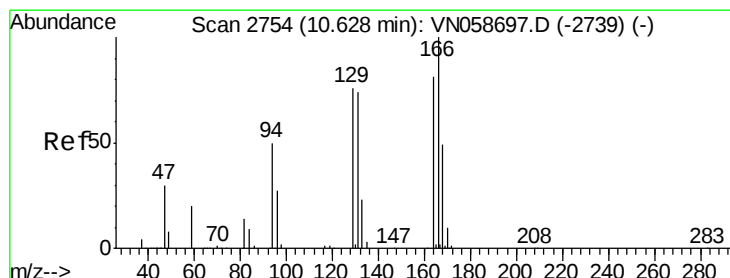
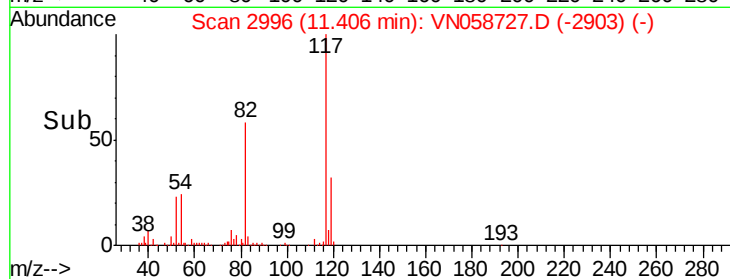
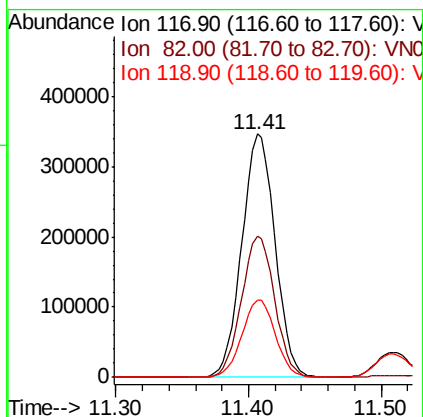
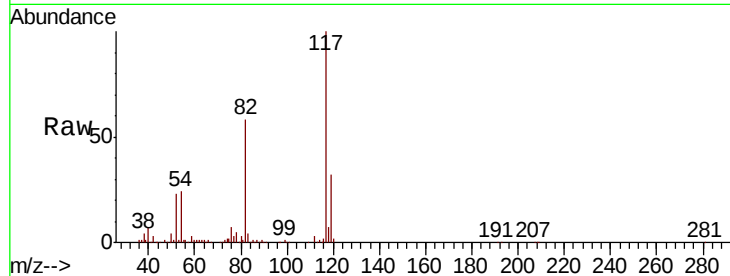




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

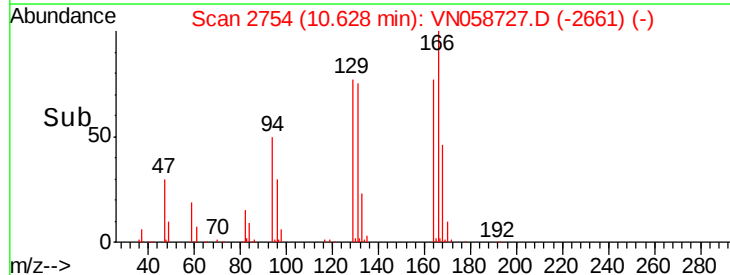
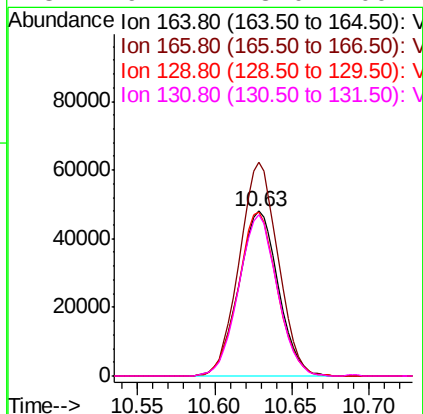
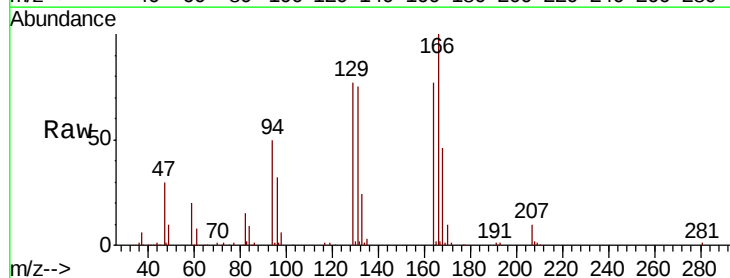
Instrument :
MSVOA_N
ClientSampled :

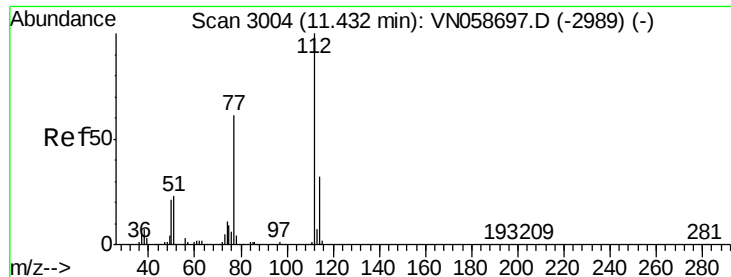
Tot Ion:117 Resp: 602160
Ion Ratio Lower Upper
117 100
82 58.2 47.0 70.4
119 32.0 25.4 38.2



#64
Tetrachloroethene
Concen: 20.371 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Tgt Ion:164 Resp: 85847
Ion Ratio Lower Upper
164 100
166 129.8 99.3 148.9
129 99.4 75.2 112.8
131 97.7 73.0 109.4

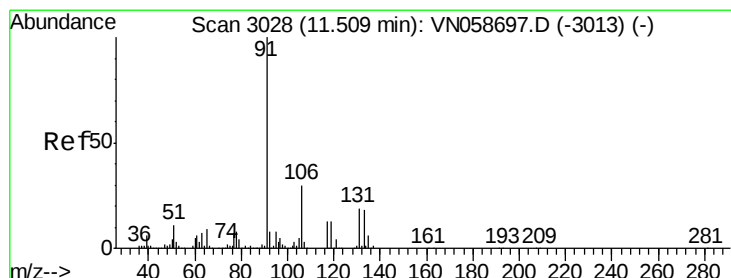
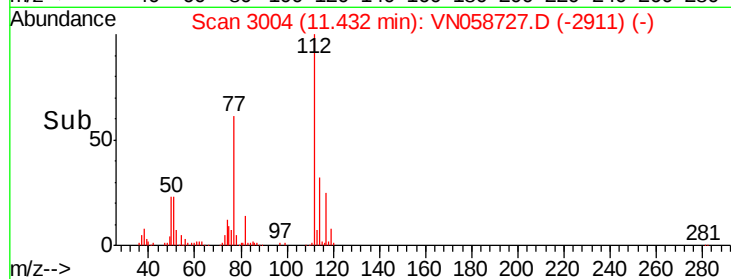
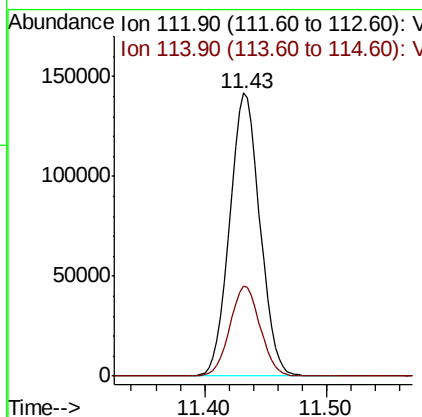
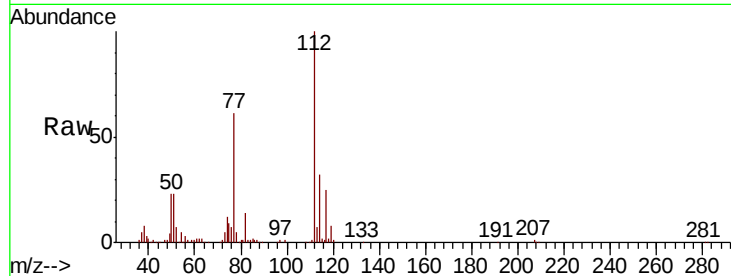




#65
Chlorobenzene
Concen: 20.009 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

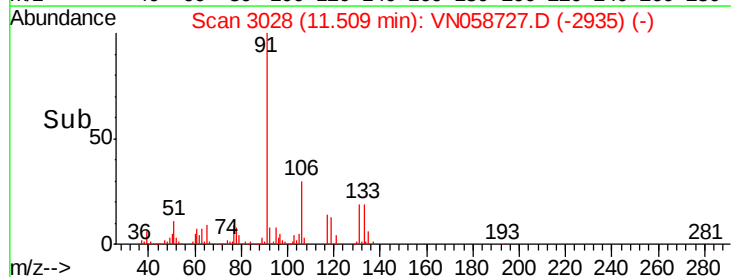
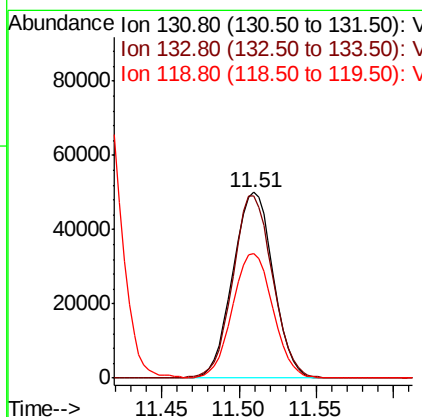
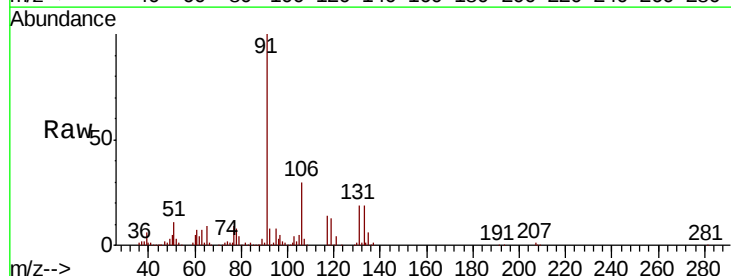
Instrument :
MSVOA_N
ClientSampleId :

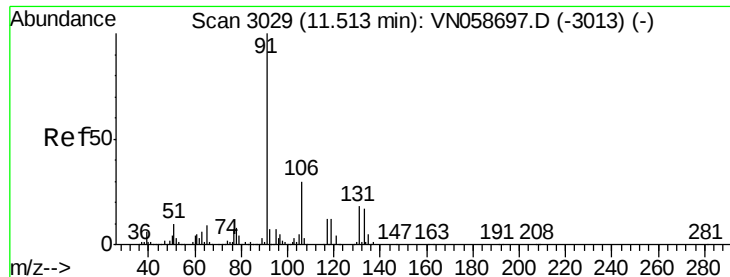
Tot Ion:112 Resp: 244680
Ion Ratio Lower Upper
112 100
114 31.7 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.081 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Tgt Ion:131 Resp: 90803
Ion Ratio Lower Upper
131 100
133 96.1 47.6 142.9
119 67.4 33.0 98.9





#67

Ethyl Benzene

Concen: 20.560 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Instrument :

MSVOA_N

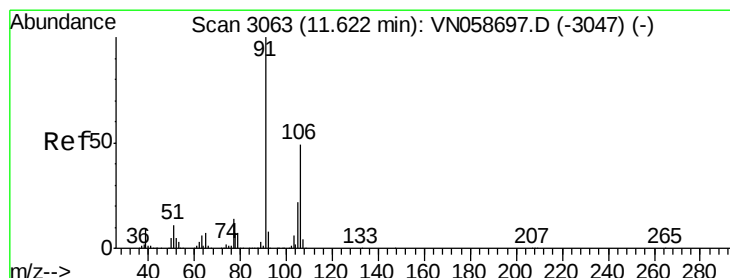
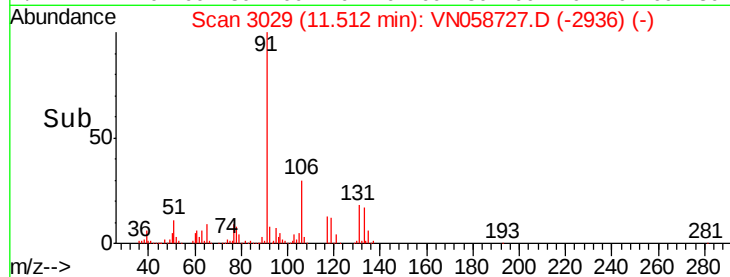
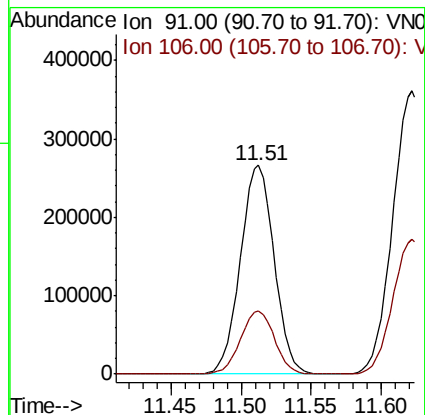
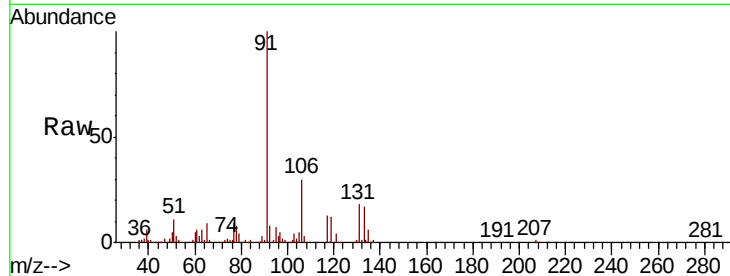
ClientSampled :

Tot Ion: 91 Resp: 448174

Ion Ratio Lower Upper

91 100

106 30.1 24.1 36.1



#68

m/p-Xylenes

Concen: 40.239 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN058727.D

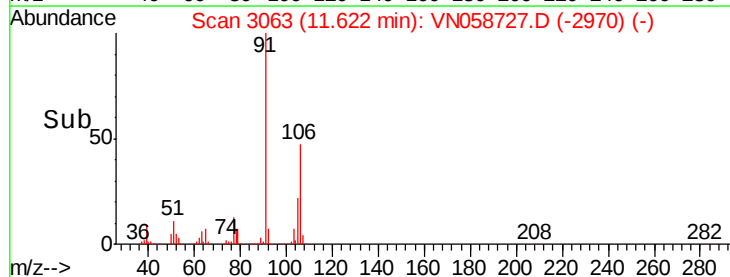
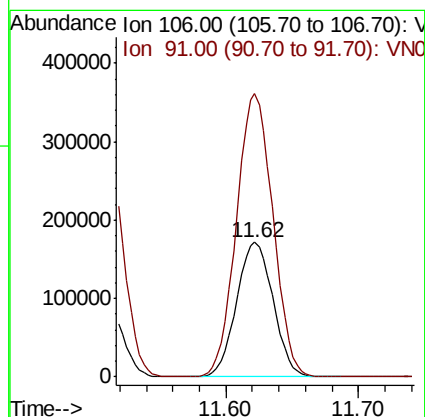
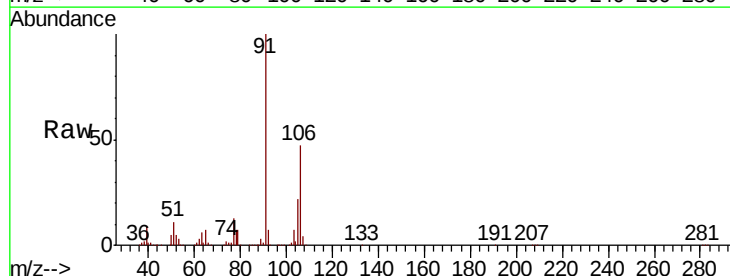
Acq: 12 Oct 2019 1:33

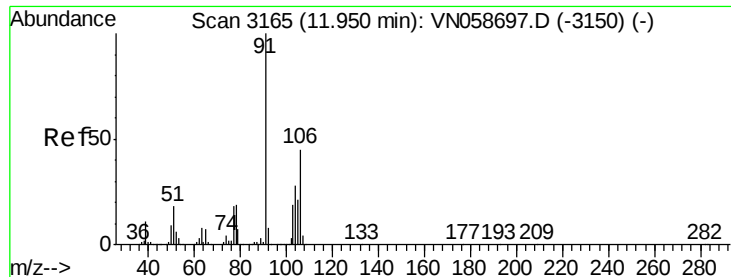
Tgt Ion: 106 Resp: 329171

Ion Ratio Lower Upper

106 100

91 209.1 165.7 248.5

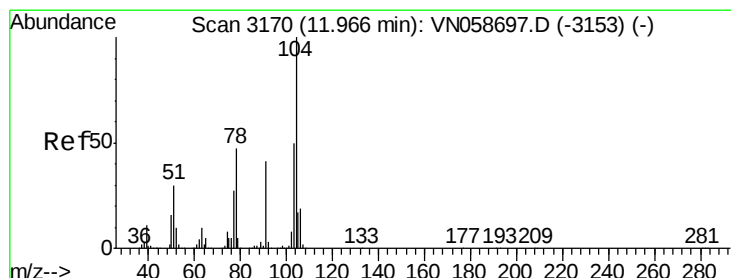
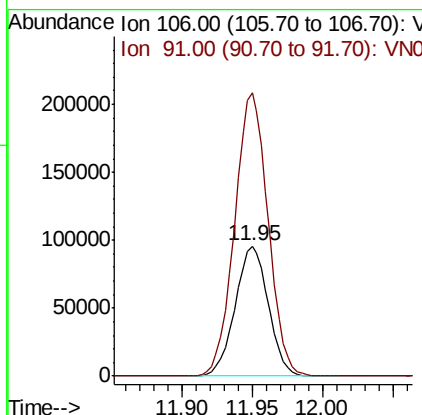
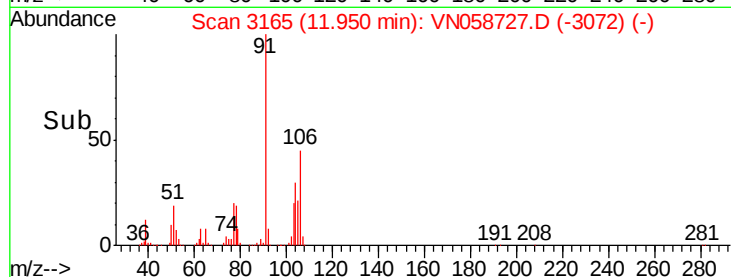
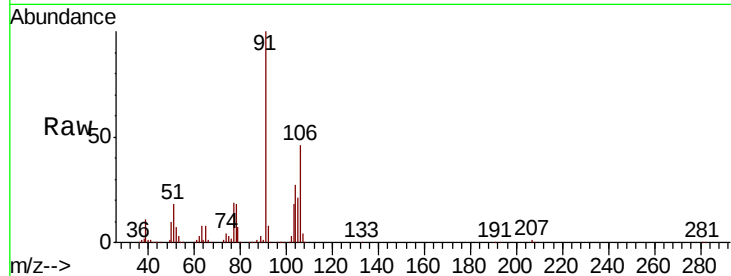




#69
o-Xylene
Concen: 19.937 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

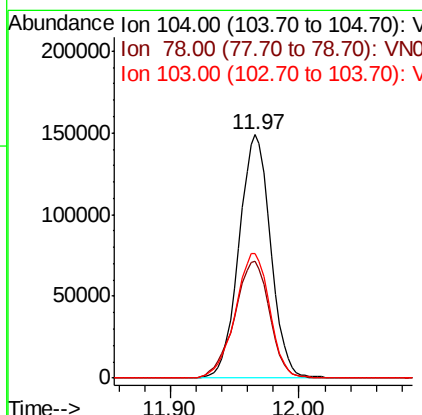
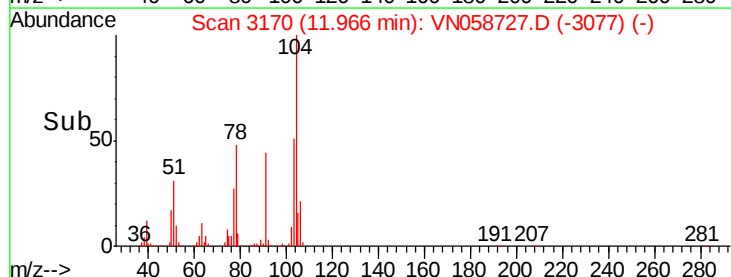
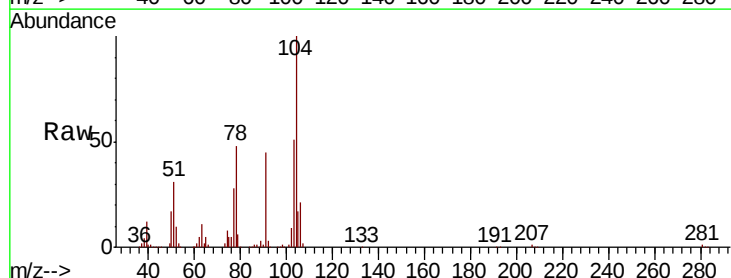
Instrument :
MSVOA_N
ClientSampled :

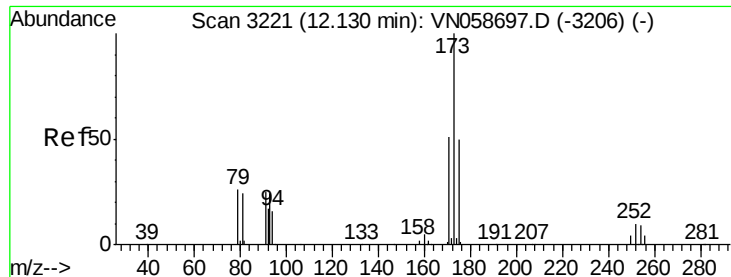
Tot Ion:106 Resp: 157798
Ion Ratio Lower Upper
106 100
91 219.0 110.9 332.9



#70
Styrene
Concen: 19.646 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Tgt Ion:104 Resp: 254854
Ion Ratio Lower Upper
104 100
78 53.3 42.2 63.2
103 55.6 43.7 65.5

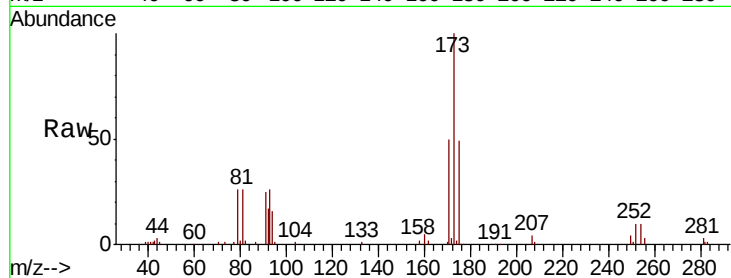




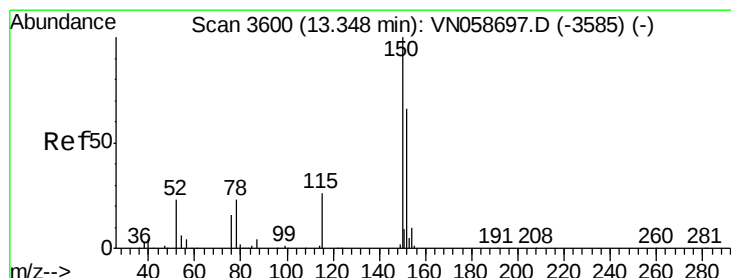
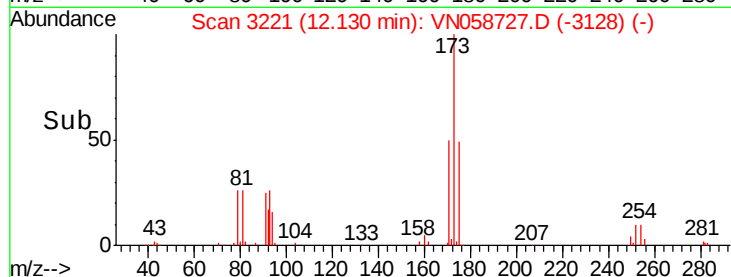
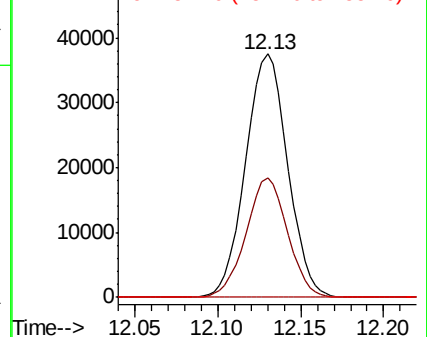
#71
Bromoform
Concen: 19.989 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.6	73.8
254	0.0	0.1	0.1#

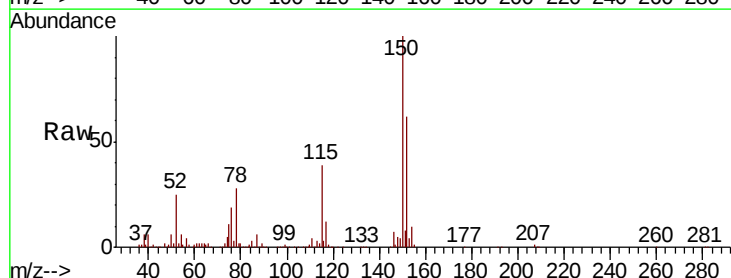


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

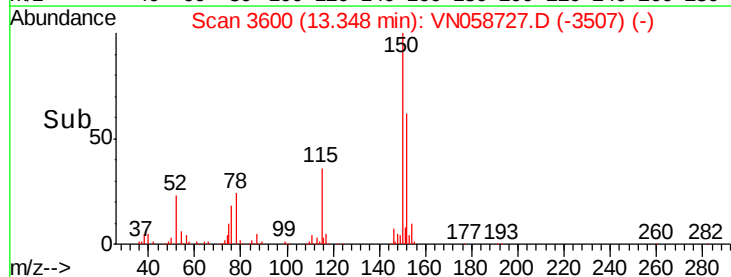
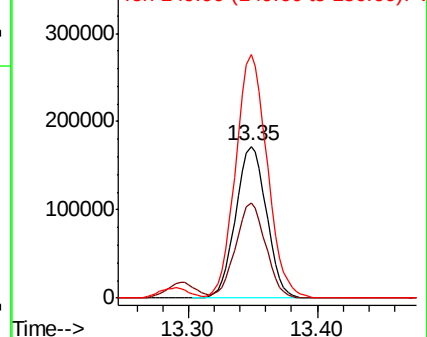


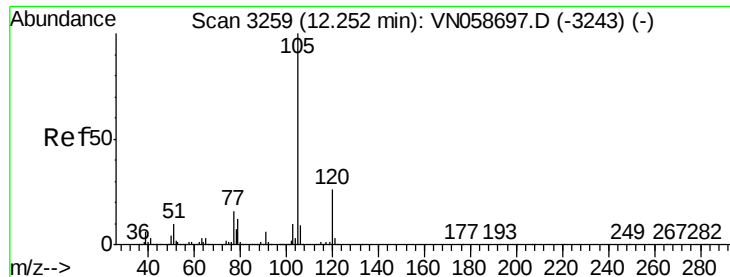
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.1	30.4	91.2
150	164.3	0.0	345.4



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: 21.090 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Instrument :

MSVOA_N

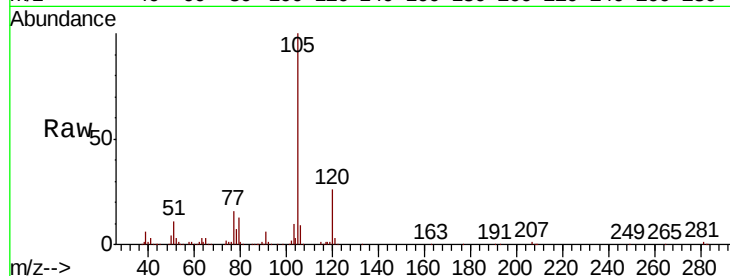
ClientSampleId :

Tot Ion:105 Resp: 436345

Ion Ratio Lower Upper

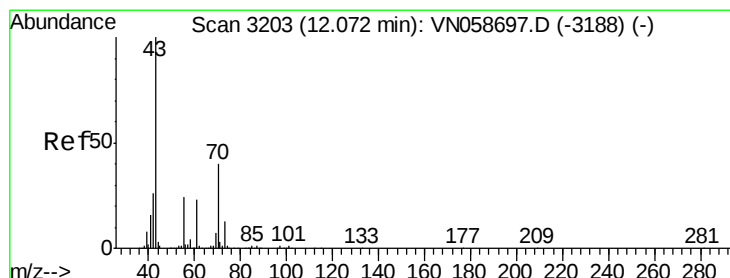
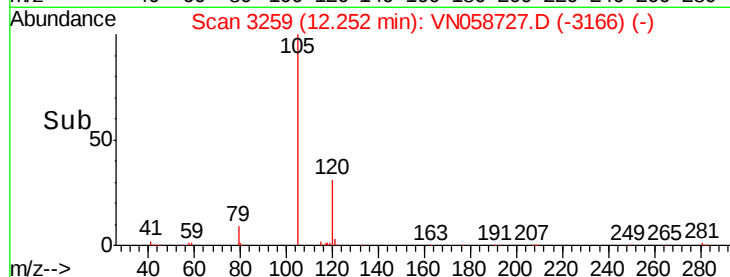
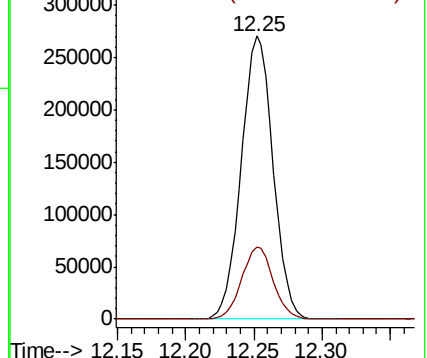
105 100

120 25.3 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.143 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Tgt Ion: 43 Resp: 187172

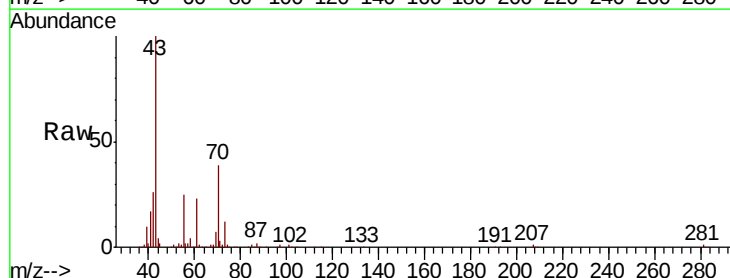
Ion Ratio Lower Upper

43 100

70 39.8 32.2 48.4

55 25.0 19.6 29.4

61 23.1 18.6 28.0

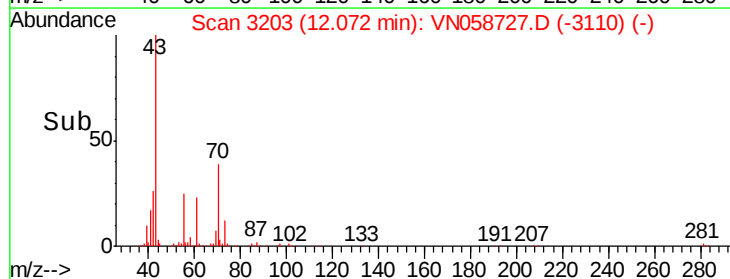
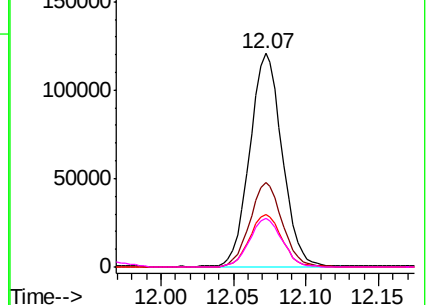


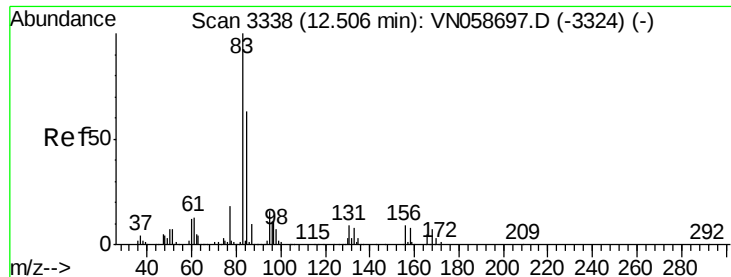
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.651 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Instrument :

MSVOA_N

ClientSampled :

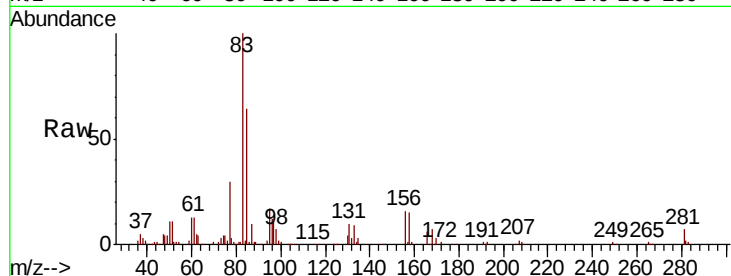
Tot Ion: 83 Resp: 140752

Ion Ratio Lower Upper

83 100

131 10.3 4.8 14.4

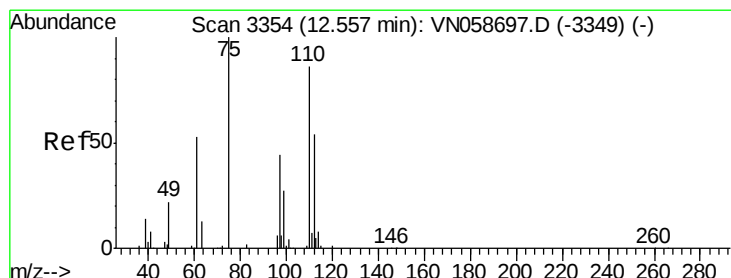
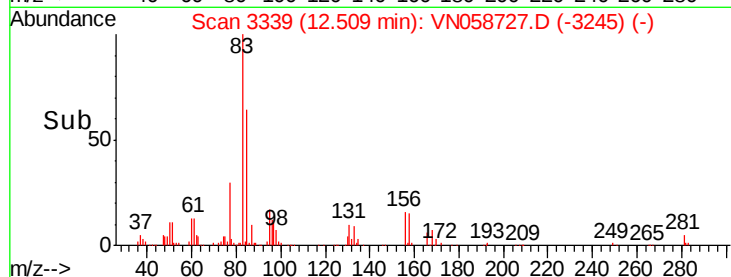
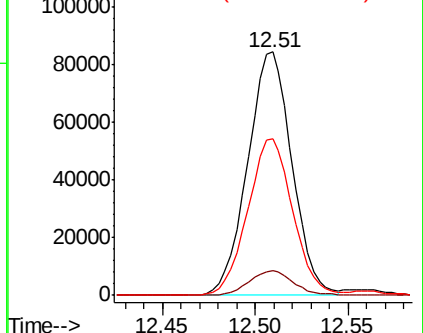
85 65.3 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 29.716 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058727.D

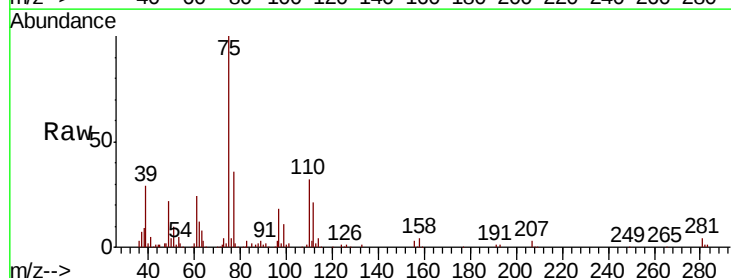
Acq: 12 Oct 2019 1:33

Tgt Ion: 75 Resp: 186233

Ion Ratio Lower Upper

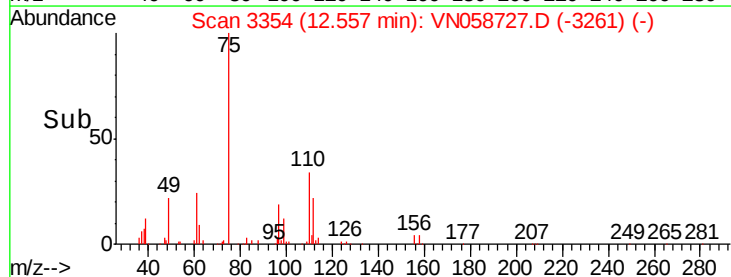
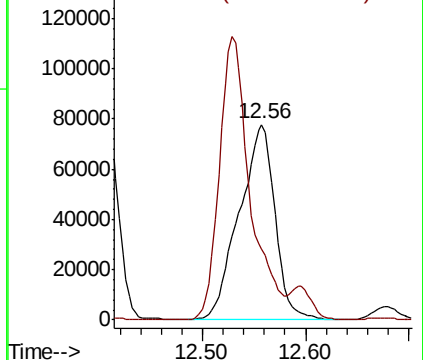
75 100

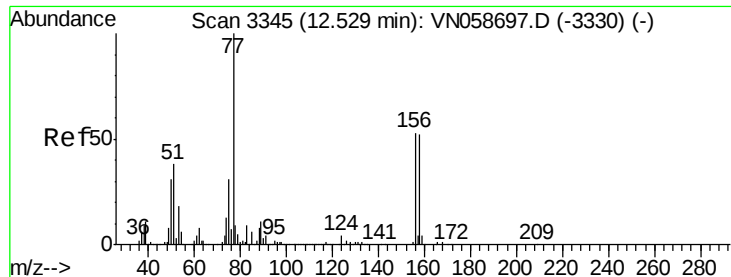
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.641 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Instrument :

MSVOA_N

ClientSampleId :

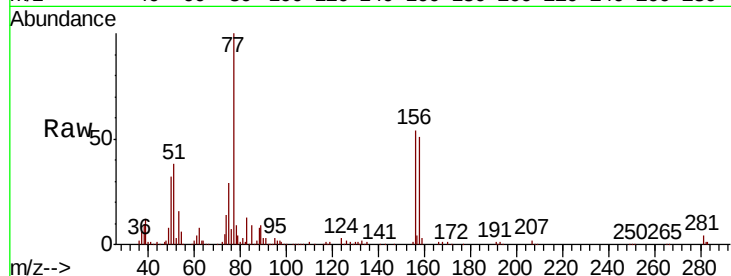
Tot Ion:156 Resp: 103873

Ion Ratio Lower Upper

156 100

77 224.9 115.8 347.3

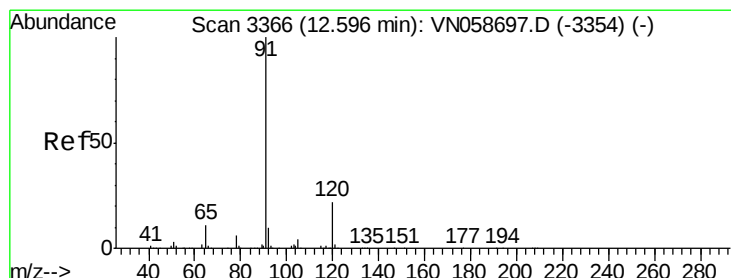
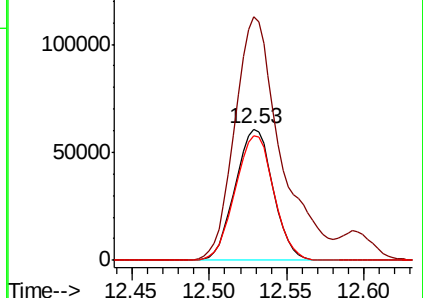
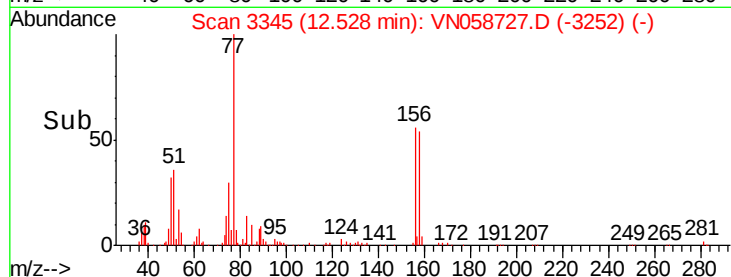
158 96.8 48.9 146.6



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: 21.018 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058727.D

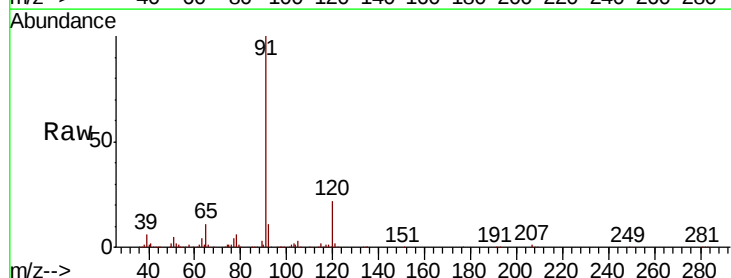
Acq: 12 Oct 2019 1:33

Tgt Ion: 91 Resp: 506720

Ion Ratio Lower Upper

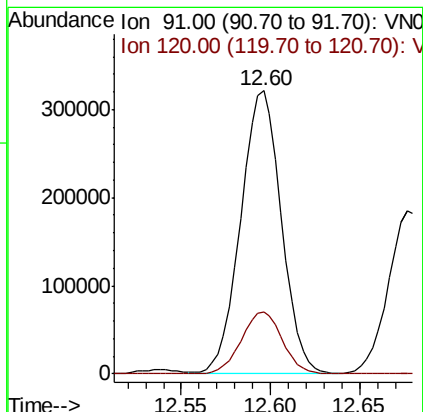
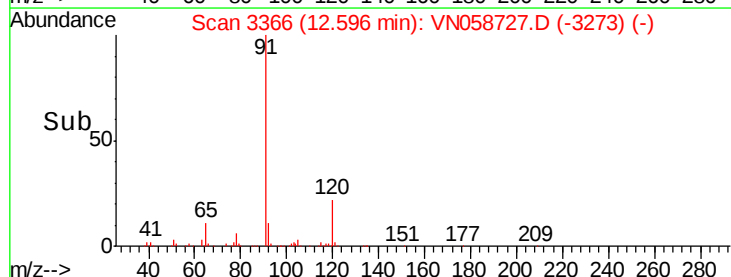
91 100

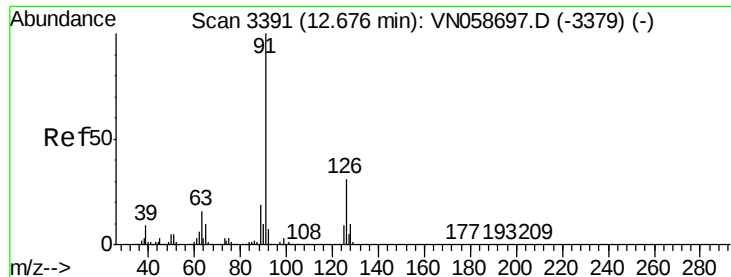
120 22.2 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

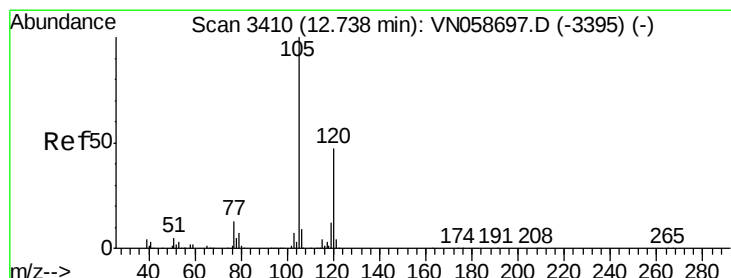
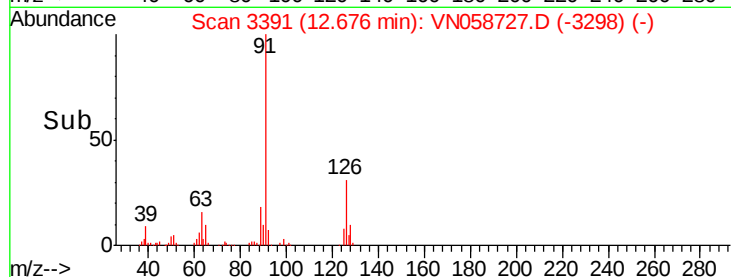
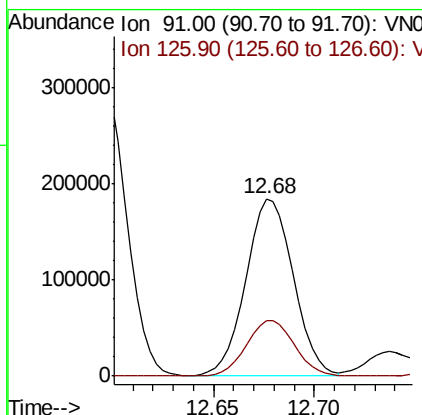
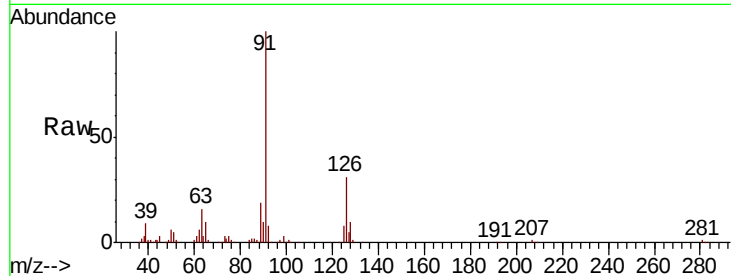




#79
 2-Chlorotoluene
 Concen: 20.273 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. -0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

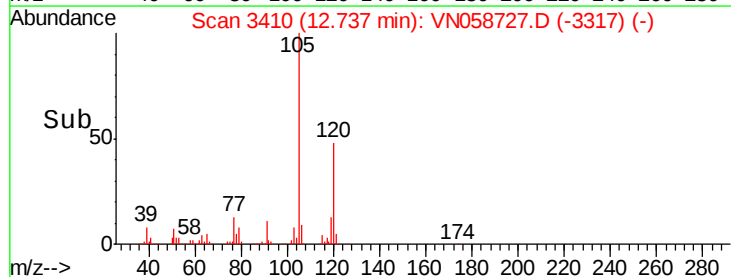
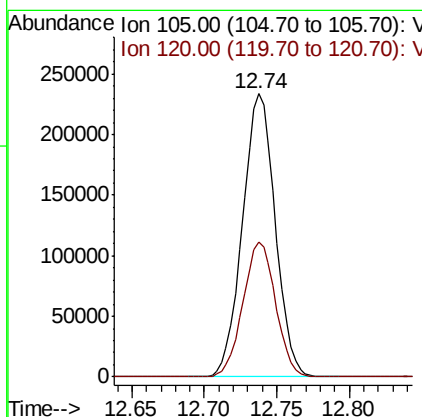
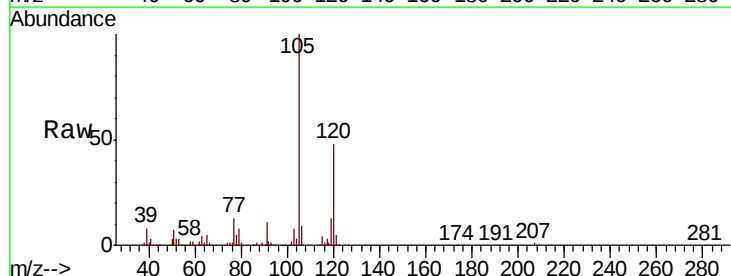
Instrument :
 MSVOA_N
 ClientSampleId :

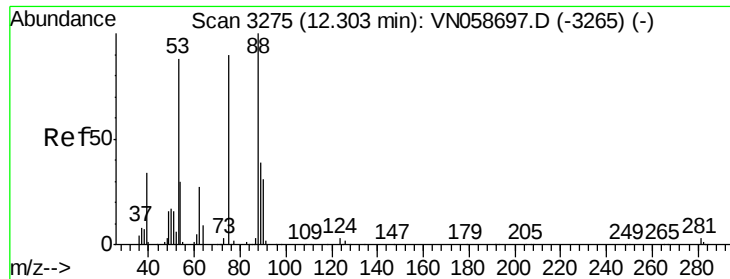
Tot Ion: 91 Resp: 303357
 Ion Ratio Lower Upper
 91 100
 126 31.9 16.2 48.5



#80
 1,3,5-Trimethylbenzene
 Concen: 20.695 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

Tgt Ion: 105 Resp: 365549
 Ion Ratio Lower Upper
 105 100
 120 47.9 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.560 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Instrument :

MSVOA_N

ClientSampleId :

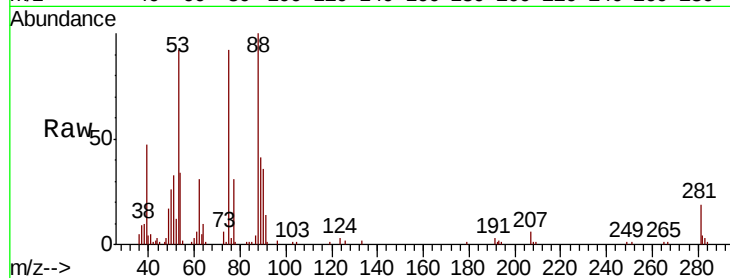
Tot Ion: 75 Resp: 41083

Ion Ratio Lower Upper

75 100

53 107.5 78.4 117.6

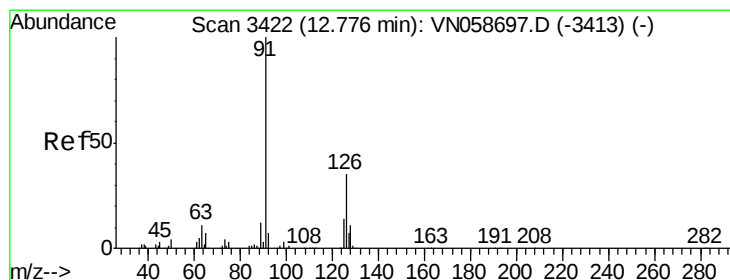
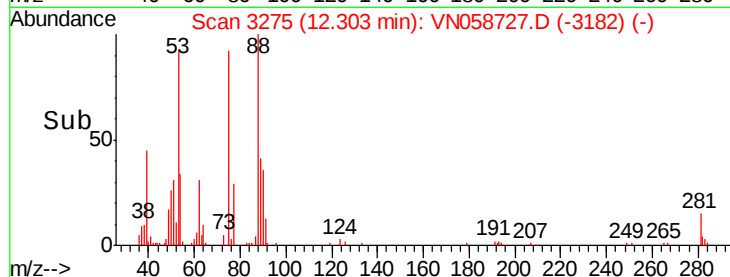
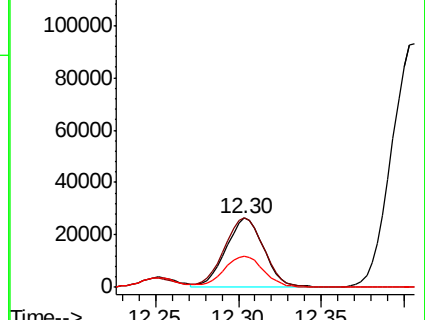
89 47.8 34.9 52.3



Abundance Ion 74.90 (74.60 to 75.60): VN058697.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN058697.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN058697.D (-3265) (-)



#82

4-Chlorotoluene

Concen: 19.863 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN058727.D

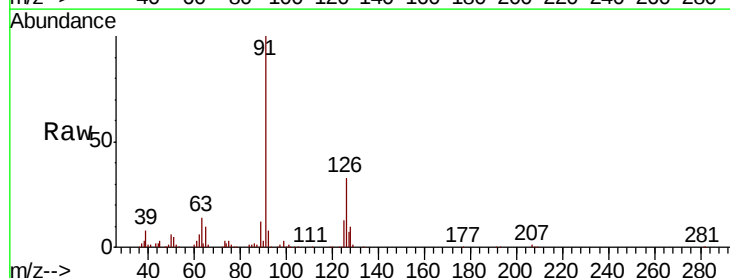
Acq: 12 Oct 2019 1:33

Tgt Ion: 91 Resp: 304991

Ion Ratio Lower Upper

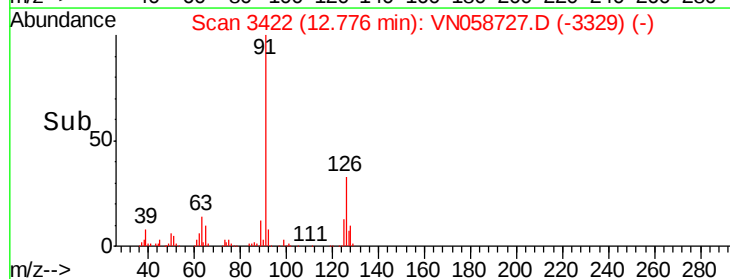
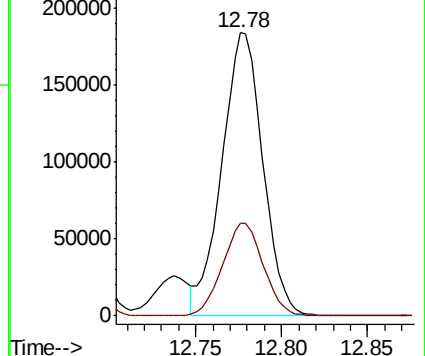
91 100

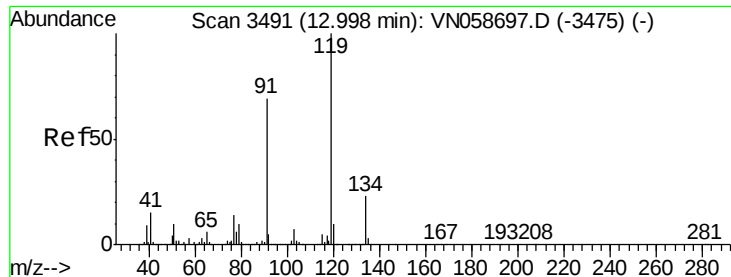
126 32.8 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VN058697.D (-3413) (-)

Ion 125.90 (125.60 to 126.60): VN058697.D (-3413) (-)

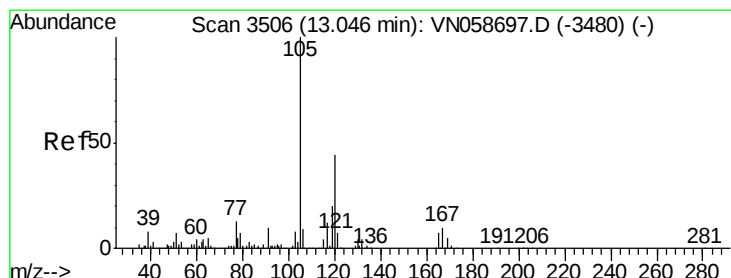
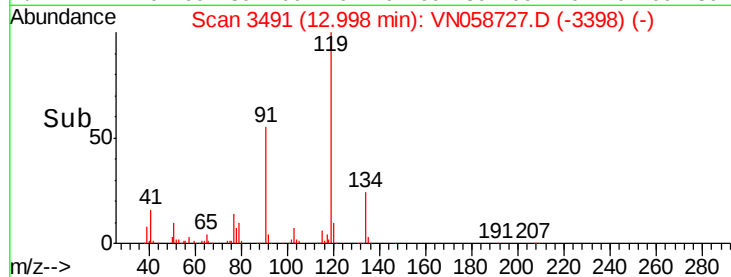
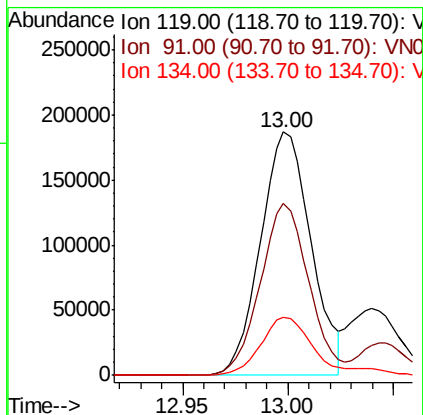
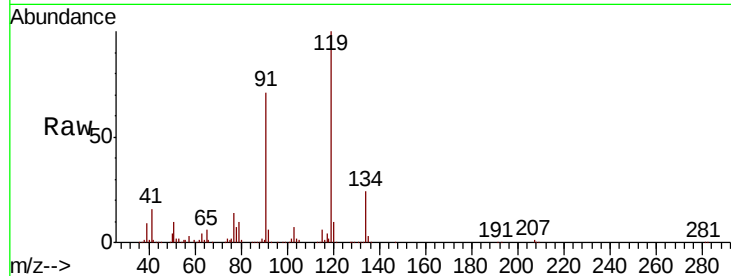




#83
tert-Butylbenzene
Concen: 20.588 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

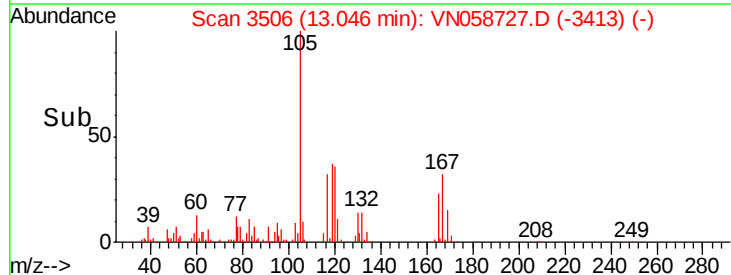
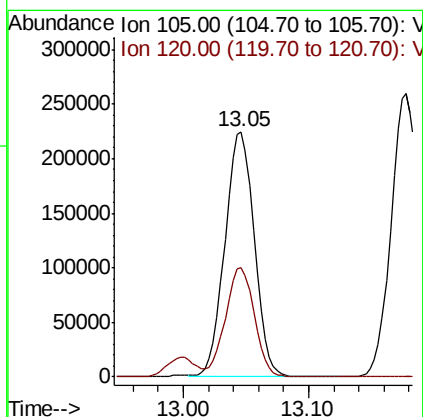
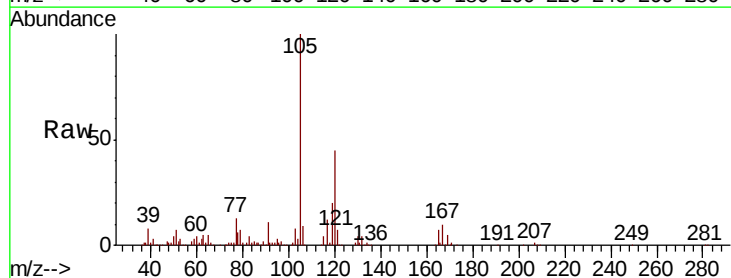
Instrument :
MSVOA_N
ClientSampleId :

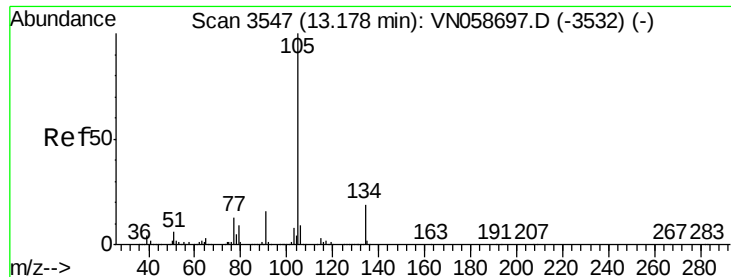
Tot Ion:119 Resp: 311526
Ion Ratio Lower Upper
119 100
91 68.0 33.8 101.3
134 23.9 12.6 37.6



#84
1,2,4-Trimethylbenzene
Concen: 20.771 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Tgt Ion:105 Resp: 364229
Ion Ratio Lower Upper
105 100
120 44.2 21.9 65.7

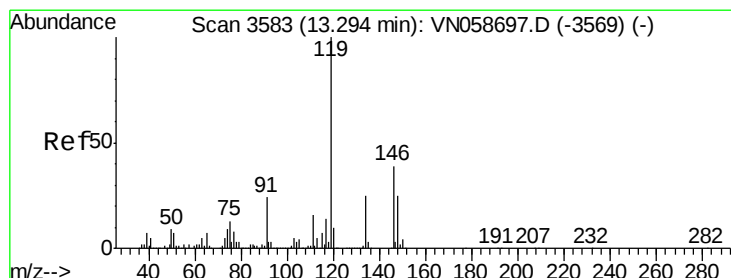
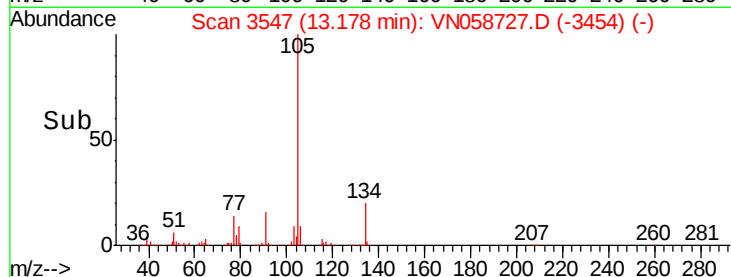
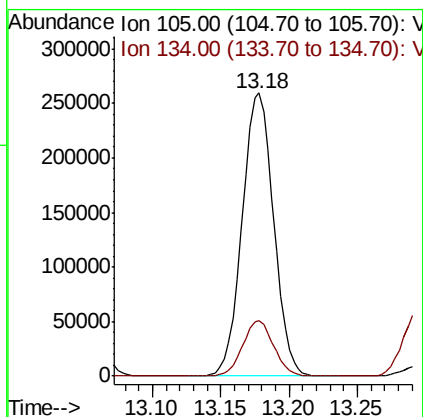
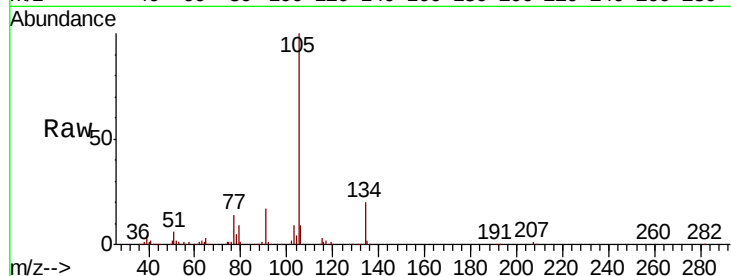




#85
 sec-Butylbenzene
 Concen: 20.810 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

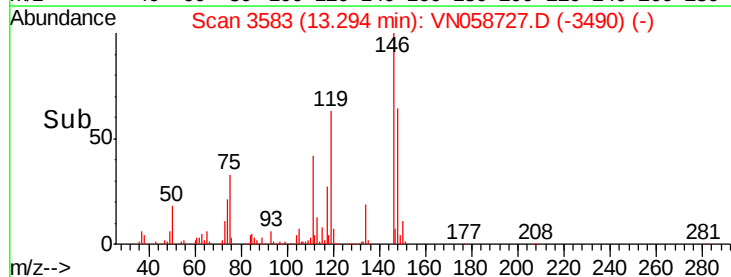
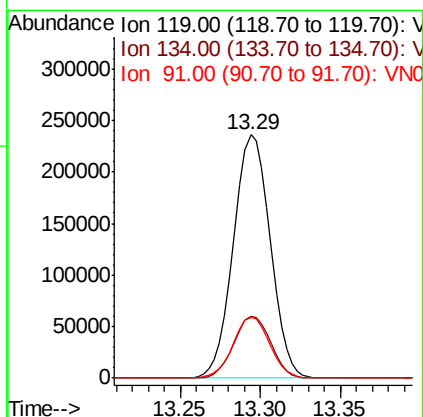
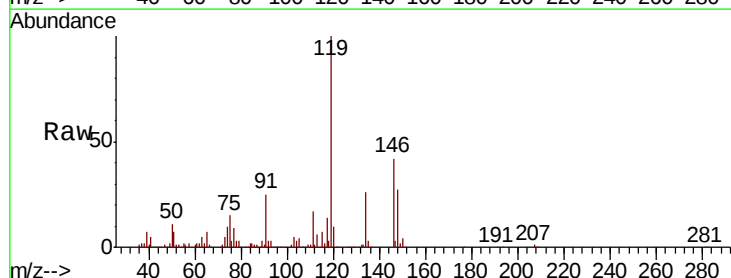
Instrument :
 MSVOA_N
 ClientSampled :

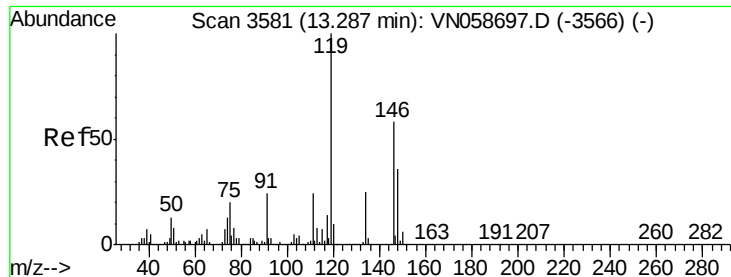
Tot Ion:105 Resp: 414929
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 20.347 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

Tgt Ion:119 Resp: 368709
 Ion Ratio Lower Upper
 119 100
 134 25.9 12.7 38.1
 91 25.1 11.9 35.5

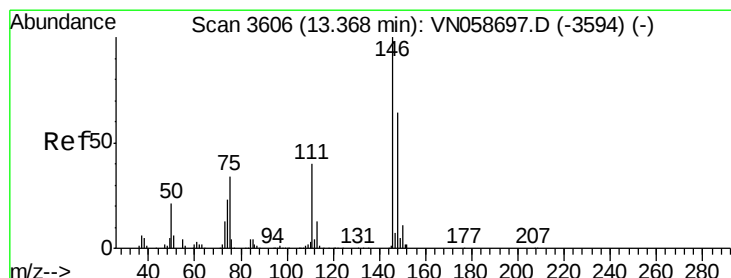
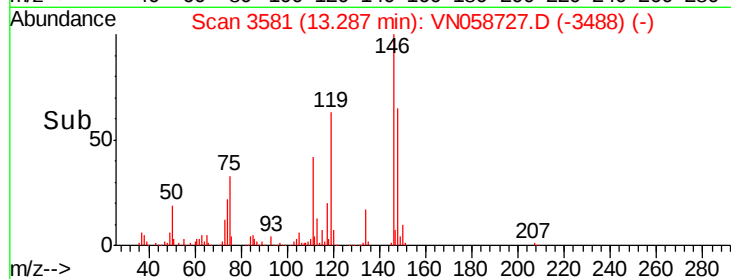
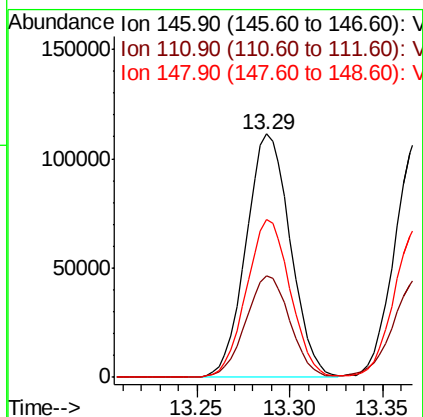
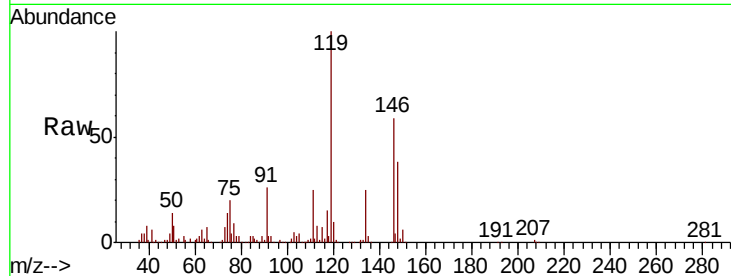




#87
 1,3-Dichlorobenzene
 Concen: 20.029 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

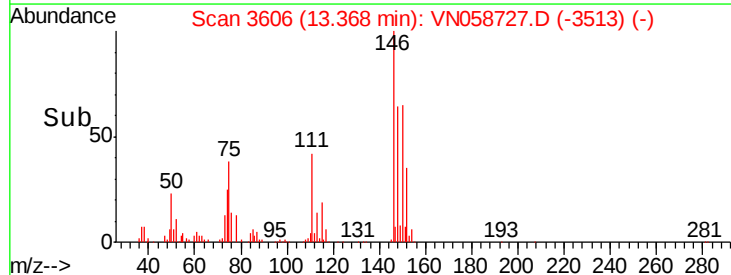
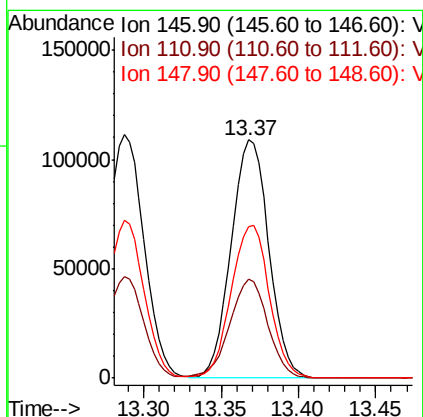
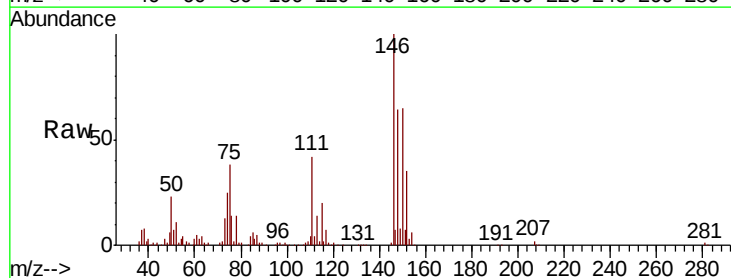
Instrument :
 MSVOA_N
 ClientSampled :

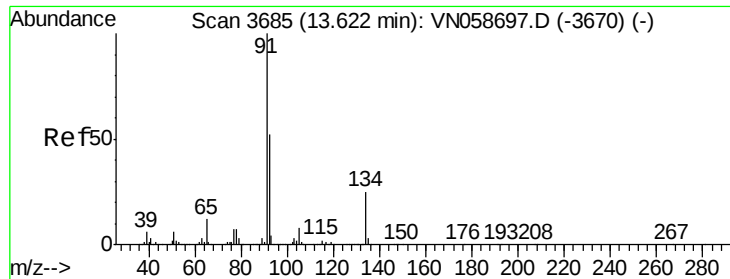
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.5	61.6
148	64.2	31.3	93.9



#88
 1,4-Dichlorobenzene
 Concen: 19.482 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.1	60.2
148	64.9	31.9	95.7





#89

n-Butylbenzene

Concen: 19.570 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Instrument :

MSVOA_N

ClientSampled :

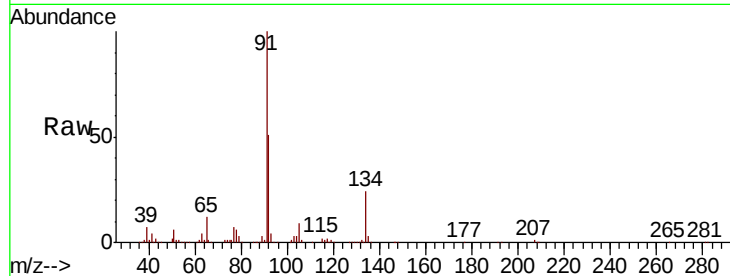
Tot Ion: 91 Resp: 327913

Ion Ratio Lower Upper

91 100

92 51.2 26.0 78.0

134 24.0 12.2 36.6

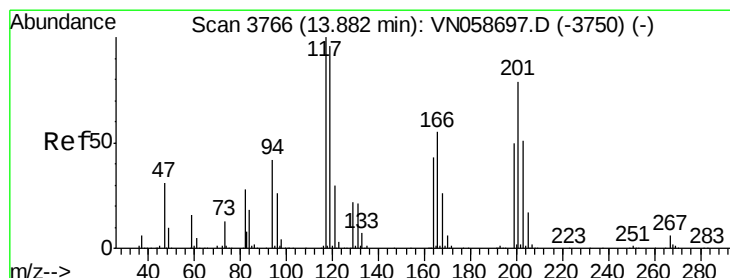
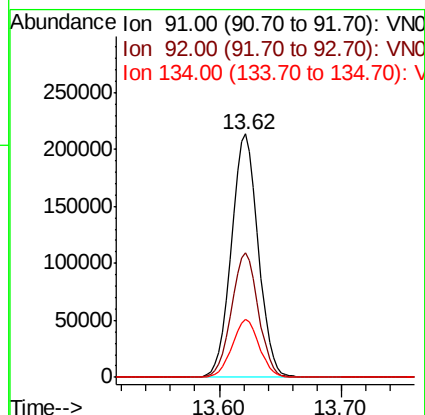
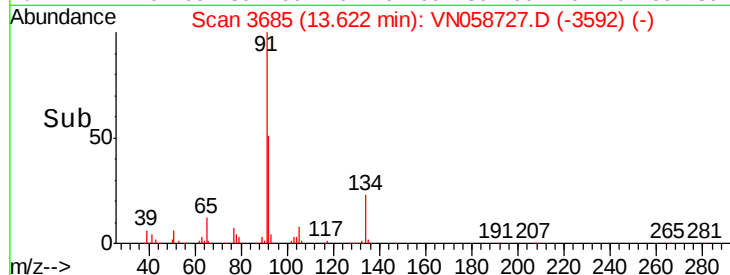


Abundance Ion 91.00 (90.70 to 91.70): VN058697.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN058697.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN058697.D (-3670) (-)

Time-->



#90

Hexachloroethane

Concen: 21.109 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. -0.00 min

Lab File: VN058727.D

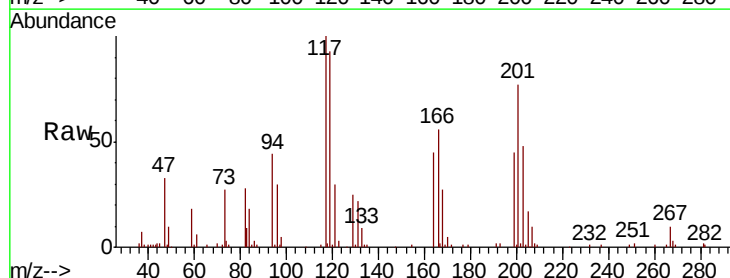
Acq: 12 Oct 2019 1:33

Tgt Ion: 117 Resp: 68447

Ion Ratio Lower Upper

117 100

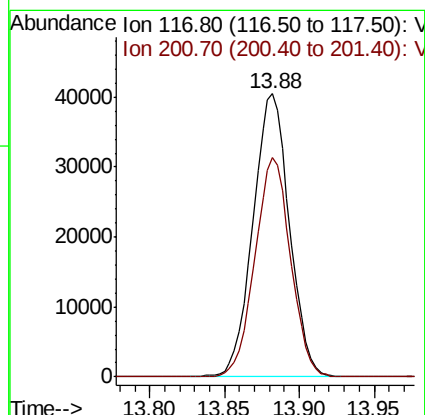
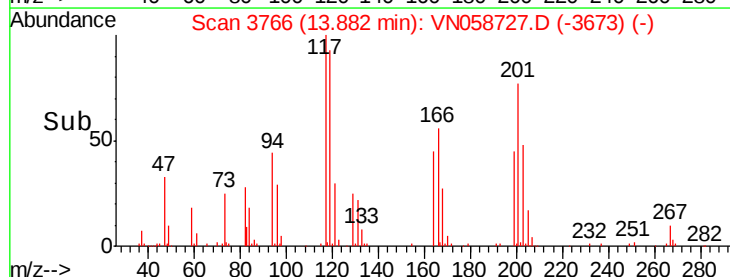
201 75.7 39.6 118.7

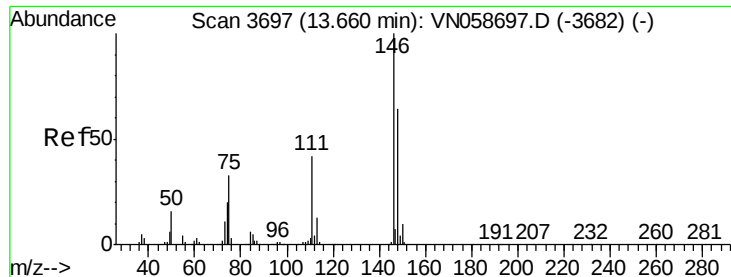


Abundance Ion 116.80 (116.50 to 117.50): VN058697.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN058697.D (-3750) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 20.210 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058727.D

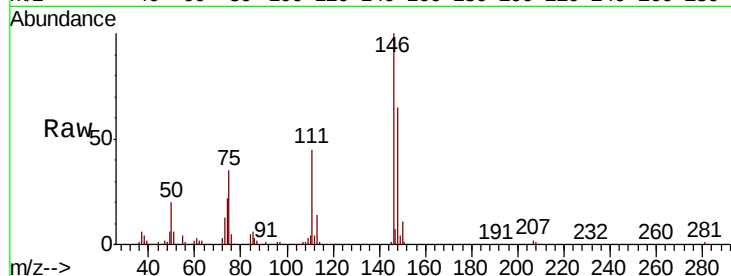
Acq: 12 Oct 2019 1:33

Instrument :

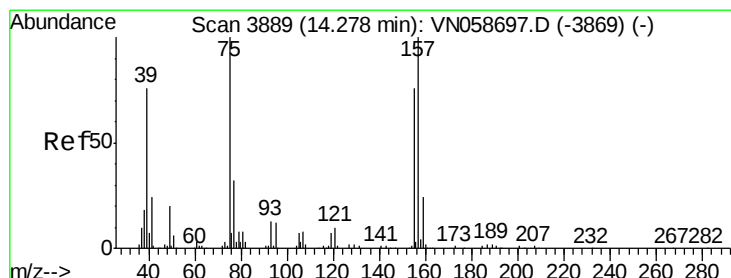
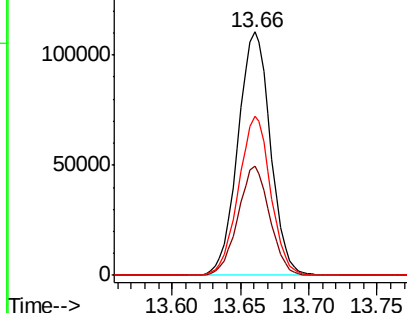
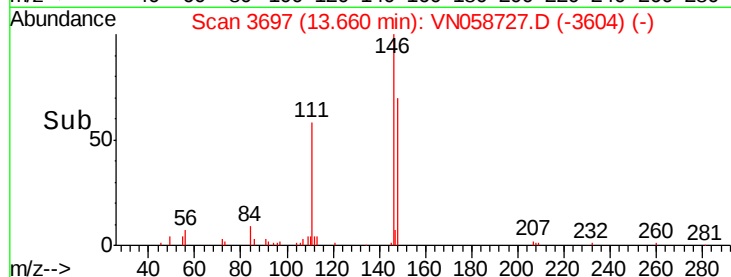
MSVOA_N

ClientSampled :

Tot Ion:	146	Resp:	182809
Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.1	63.4
148	64.2	31.8	95.3



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: 19.387 ug/l

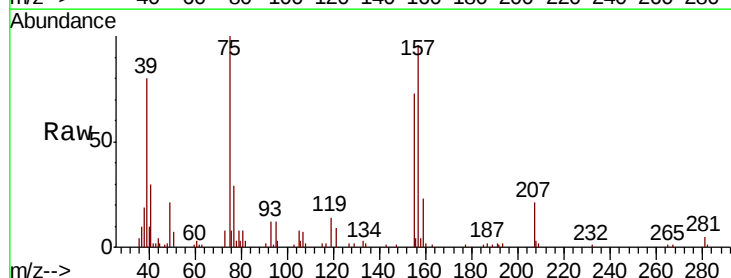
RT: 14.28 min Scan# 3889

Delta R.T. -0.00 min

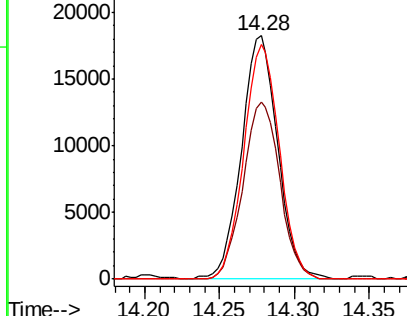
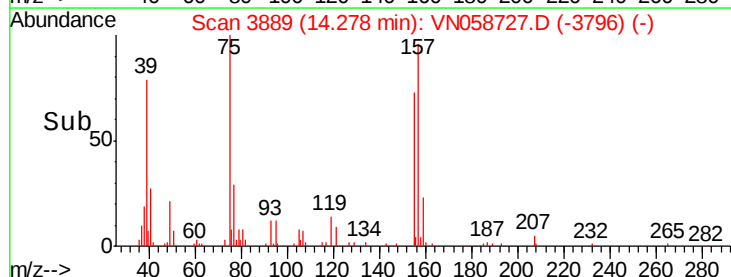
Lab File: VN058727.D

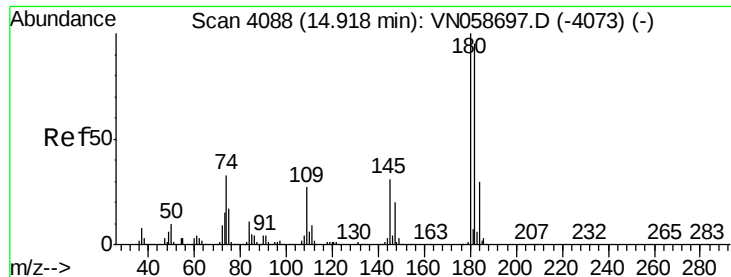
Acq: 12 Oct 2019 1:33

Tgt Ion:	75	Resp:	30870
Ion	Ratio	Lower	Upper
75	100		
155	73.8	37.9	113.6
157	93.9	49.4	148.2



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

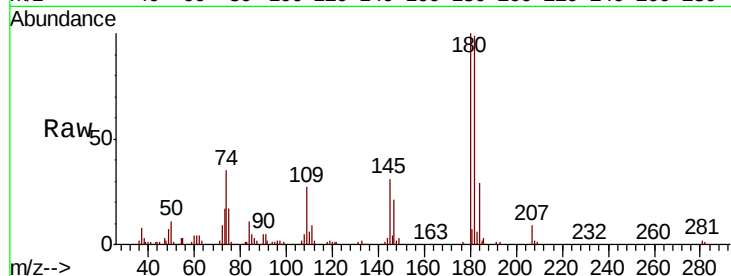




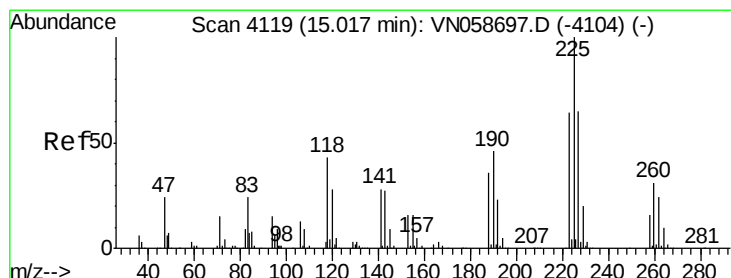
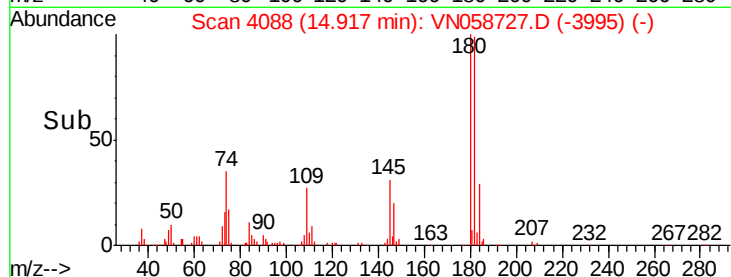
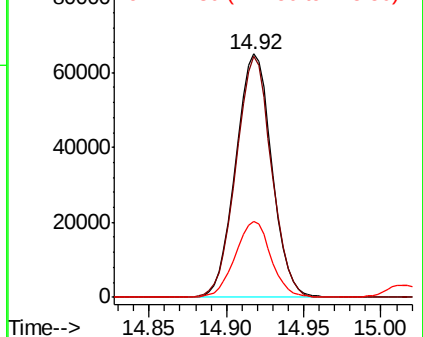
#93
 1,2,4-Trichlorobenzene
 Concen: 19.094 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.4	142.2
145	30.9	15.4	46.2

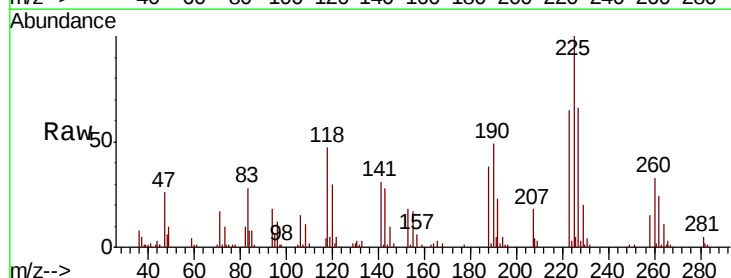


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

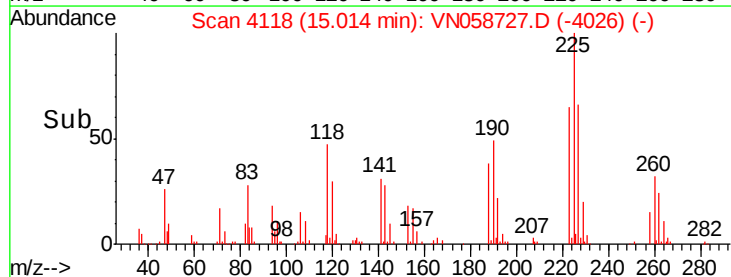
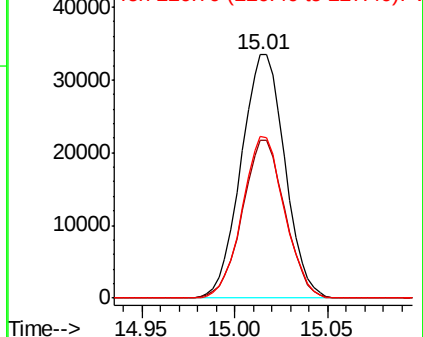


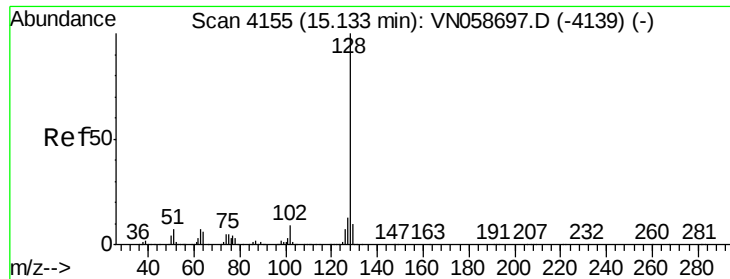
#94
 Hexachlorobutadiene
 Concen: 18.973 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	32.3	96.8
227	64.0	32.4	97.0



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: 19.446 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Instrument :

MSVOA_N

ClientSampled :

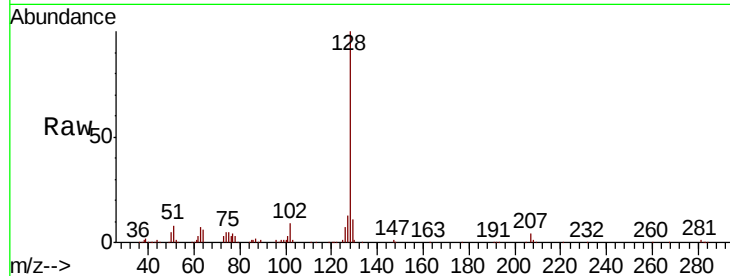
Tot Ion:128 Resp: 308366

Ion Ratio Lower Upper

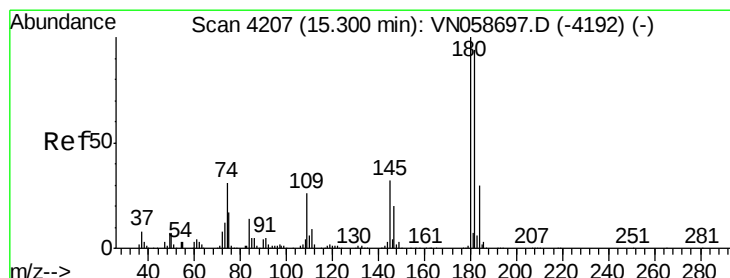
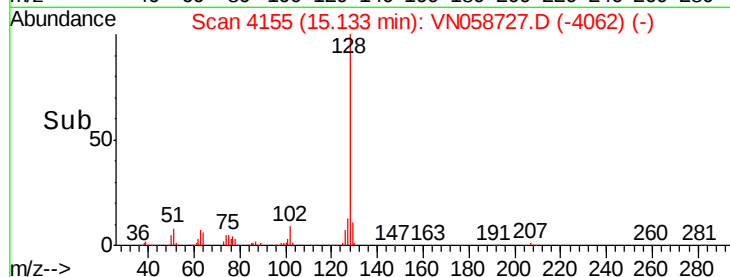
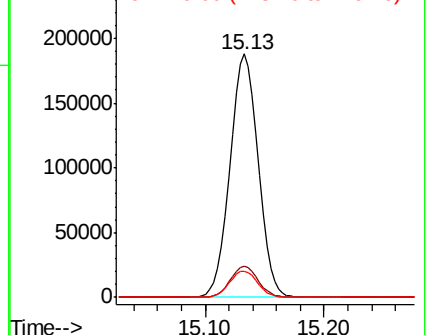
128 100

127 12.6 10.2 15.4

129 10.8 8.5 12.7



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: 19.013 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

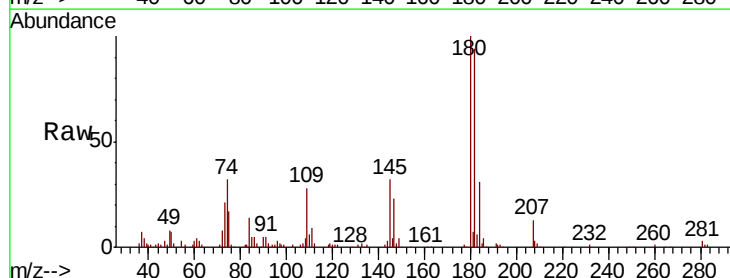
Tgt Ion:180 Resp: 102424

Ion Ratio Lower Upper

180 100

182 95.1 47.3 142.0

145 32.0 16.2 48.6



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

