

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101619\
 Data File : VN058812.D
 Acq On : 16 Oct 2019 19:08
 Operator : JC/SP
 Sample : K5399-03MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0006MSD

Quant Time: Oct 17 01:36:12 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	370861	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	595301	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	550561	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	270567	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	287353	55.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.70%	
35) Dibromofluoromethane	7.57	113	205350	55.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.70%	
50) Toluene-d8	10.08	98	787307	53.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.08%	
62) 4-Bromofluorobenzene	12.40	95	292107	52.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	239825	51.923	ug/l	100
3) Chloromethane	2.04	50	278081	50.630	ug/l	99
4) Vinyl Chloride	2.17	62	286461	52.367	ug/l	99
5) Bromomethane	2.54	94	171975	51.679	ug/l	100
6) Chloroethane	2.68	64	181999	53.939	ug/l	98
7) Trichlorofluoromethane	3.00	101	349998	53.461	ug/l	99
8) Diethyl Ether	3.39	74	124915	51.641	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	190234	50.962	ug/l	99
10) Methyl Iodide	3.93	142	258823	50.810	ug/l	99
11) Tert butyl alcohol	4.76	59	219035	260.492	ug/l	99
12) 1,1-Dichloroethene	3.72	96	183809	51.609	ug/l	96
13) Acrolein	3.58	56	116428	172.165	ug/l	99
14) Allyl chloride	4.30	41	368700	51.297	ug/l	100
15) Acrylonitrile	4.96	53	588718	277.632	ug/l	100
16) Acetone	3.80	43	520318	242.070	ug/l	100
17) Carbon Disulfide	4.03	76	551182	48.414	ug/l	100
18) Methyl Acetate	4.30	43	288313	52.879	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	690137	54.265	ug/l	96
20) Methylene Chloride	4.53	84	222431	49.514	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	206176	51.752	ug/l	97
22) Diisopropyl ether	5.93	45	768957	55.024	ug/l	98
23) Vinyl Acetate	5.87	43	3147887	279.157	ug/l	100
24) 1,1-Dichloroethane	5.82	63	423699	53.234	ug/l	100
25) 2-Butanone	6.81	43	820329	264.042	ug/l	99
26) 2,2-Dichloropropane	6.80	77	333572	45.912	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	238777	51.397	ug/l	99
28) Bromochloromethane	7.18	49	151200	54.606	ug/l	98
29) Tetrahydrofuran	7.19	42	547900	272.896	ug/l	99
30) Chloroform	7.35	83	419386	52.445	ug/l	99
31) Cyclohexane	7.64	56	368436	48.380	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	361830	53.056	ug/l	98
36) 1,1-Dichloropropene	7.78	75	313581	52.099	ug/l	99
37) Ethyl Acetate	6.91	43	376645	61.876	ug/l	98
38) Carbon Tetrachloride	7.76	117	317482	54.122	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	348380	49.881	ug/l	97
40) Benzene	8.03	78	916981	53.047	ug/l	99
41) Methacrylonitrile	7.15	41	165255	57.996	ug/l #	25
42) 1,2-Dichloroethane	8.11	62	351830	52.977	ug/l	100
43) Isopropyl Acetate	8.15	43	553991	53.424	ug/l	99
44) Trichloroethene	8.82	130	225302	52.485	ug/l	99
45) 1,2-Dichloropropane	9.11	63	250990	54.238	ug/l	99
46) Dibromomethane	9.20	93	158338	53.968	ug/l	100
47) Bromodichloromethane	9.39	83	331927	55.558	ug/l	99
48) Methyl methacrylate	9.19	41	262197	55.781	ug/l	99
49) 1,4-Dioxane	9.19	88	85298	1172.983	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1741250	298.991	ug/l	99
52) Toluene	10.15	92	560455	53.010	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	368428	53.767	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	384774	52.887	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	224846	51.960	ug/l	99
56) Ethyl methacrylate	10.43	69	356667	56.418	ug/l	99
57) 1,3-Dichloropropane	10.71	76	399575	54.187	ug/l	99
59) 2-Hexanone	10.75	43	1292055	287.084	ug/l	100
60) Dibromochloromethane	10.90	129	246283	55.172	ug/l	98
61) 1,2-Dibromoethane	11.00	107	233143	53.779	ug/l	100
64) Tetrachloroethene	10.63	164	190942	49.557	ug/l	95
65) Chlorobenzene	11.43	112	590729	52.835	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	226292	54.734	ug/l	99
67) Ethyl Benzene	11.51	91	1092770	54.829	ug/l	100
68) m/p-Xylenes	11.62	106	810656	108.385	ug/l	99
69) o-Xylene	11.95	106	386894	53.464	ug/l	100
70) Stvrene	11.97	104	646222	54.485	ug/l	99
71) Bromoform	12.13	173	176490	58.239	ug/l #	100
73) Isopropylbenzene	12.25	105	1064262	54.313	ug/l	100
74) N-amyl acetate	12.07	43	476905	54.188	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	351851	54.506	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	469928	79.171	ug/l #	100
77) Bromobenzene	12.53	156	250216	52.498	ug/l	100
78) n-propylbenzene	12.60	91	1261182	55.234	ug/l	99
79) 2-Chlorotoluene	12.68	91	740439	52.246	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	904583	54.072	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	119772	54.052	ug/l	98
82) 4-Chlorotoluene	12.78	91	773143	53.163	ug/l	100
83) tert-Butylbenzene	13.00	119	769367	53.684	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	913811	55.024	ug/l	100
85) sec-Butylbenzene	13.18	105	1038871	55.013	ug/l	99
86) p-Isopropyltoluene	13.29	119	935842	54.527	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	453072	51.545	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	453089	50.699	ug/l	100
89) n-Butylbenzene	13.62	91	833438	52.517	ug/l	99
90) Hexachloroethane	13.88	117	170768	55.607	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	449400	52.458	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	75859	50.302	ug/l	97
93) 1,2,4-Trichlorobenzene	14.92	180	258033	49.376	ug/l	99

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Quant Title : SW846 8260
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Response via : Initial Calibration

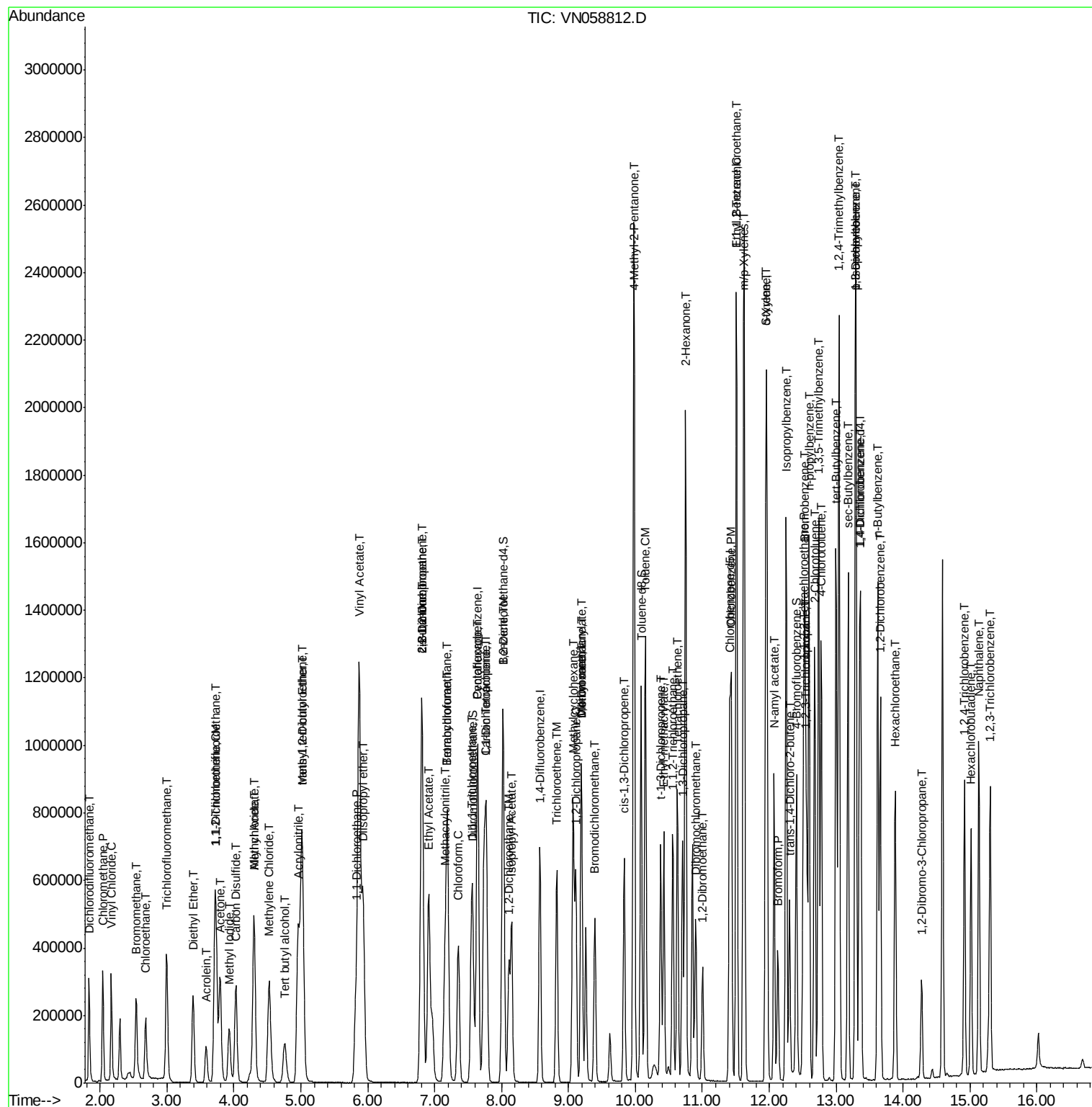
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.02	225	134100	48.728	ug/l	99
95) Naphthalene	15.13	128	761024	50.670	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	255652	50.107	ug/l	100

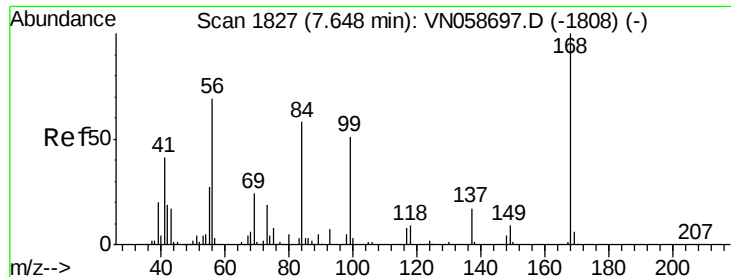
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN101619\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

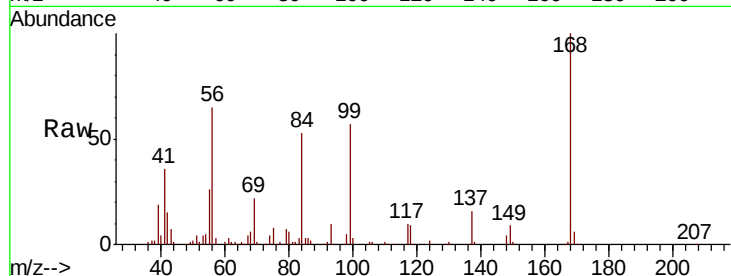
FA19-MMW0006MSD

Tot Ion:168 Resp: 370861

Ion Ratio Lower Upper

168 100

99 57.0 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

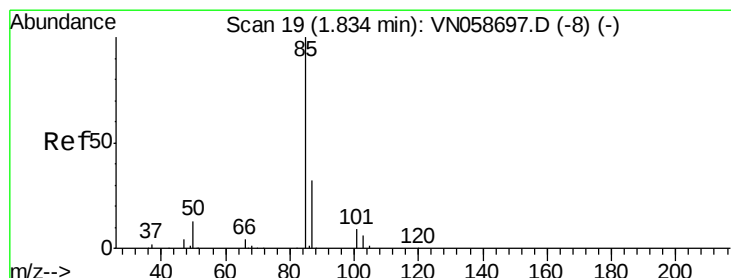
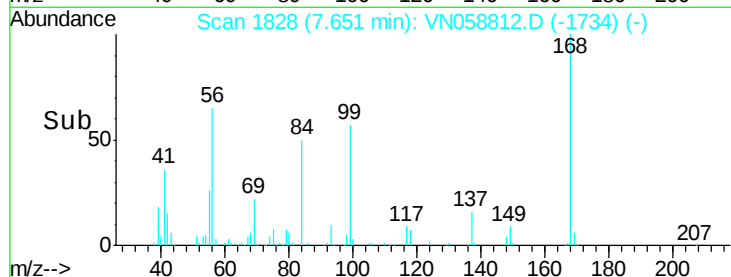
50000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 51.923 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058812.D

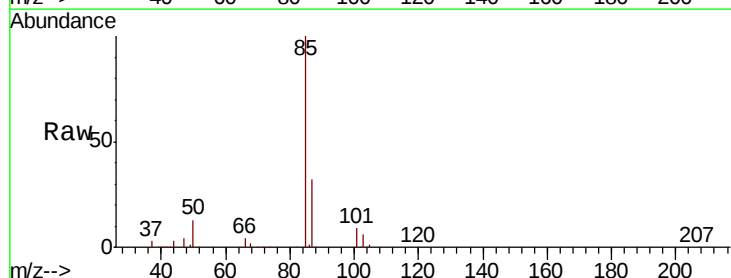
Acq: 16 Oct 2019 19:08

Tgt Ion: 85 Resp: 239825

Ion Ratio Lower Upper

85 100

87 32.1 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

200000

150000

100000

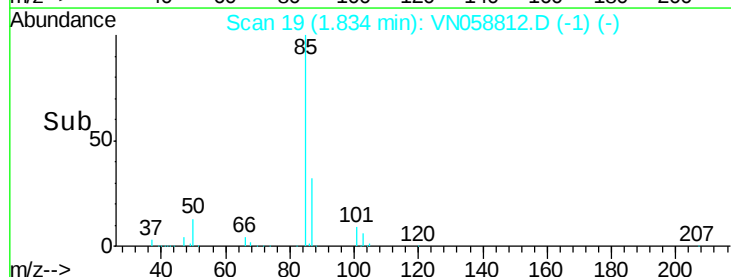
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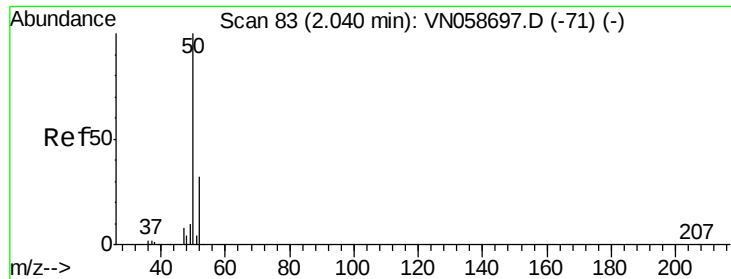
0

1.80

1.90

Time-->





#3

Chloromethane

Concen: 50.630 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

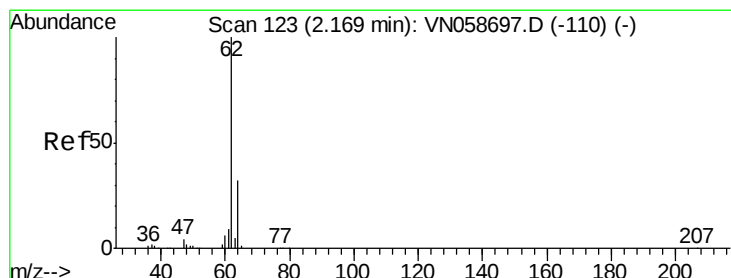
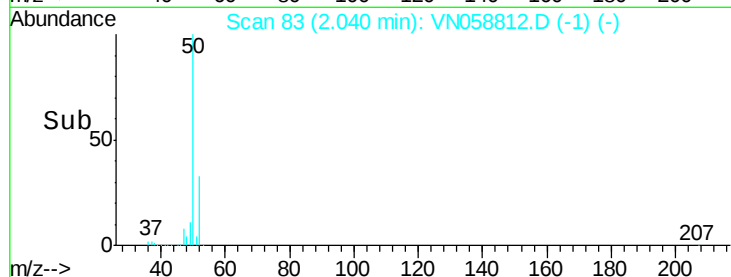
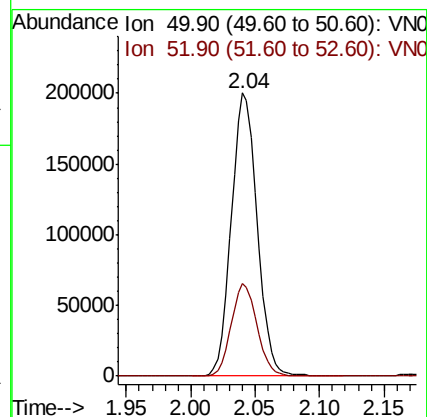
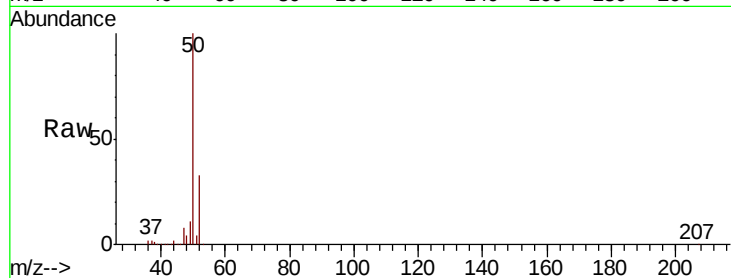
FA19-MMW0006MSD

Tot Ion: 50 Resp: 278081

Ion Ratio Lower Upper

50 100

52 32.6 25.8 38.6



#4

Vinyl Chloride

Concen: 52.367 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058812.D

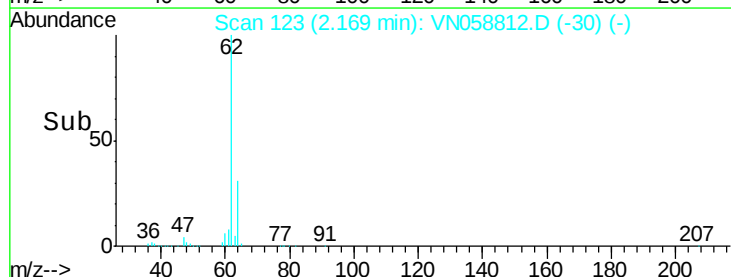
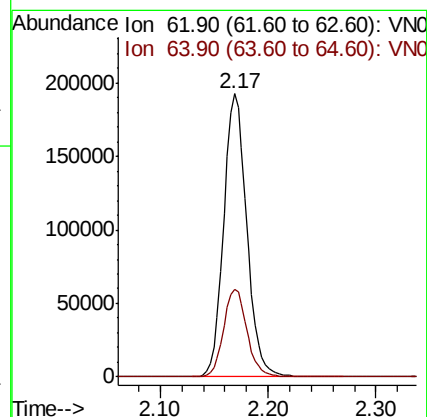
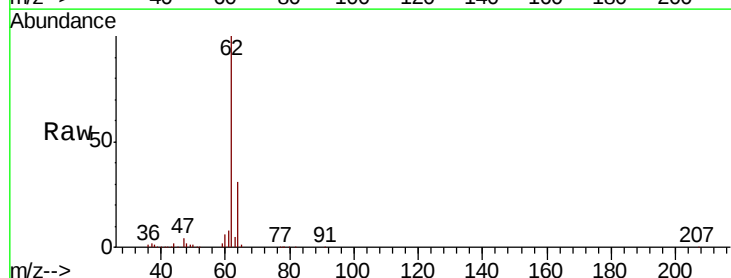
Acq: 16 Oct 2019 19:08

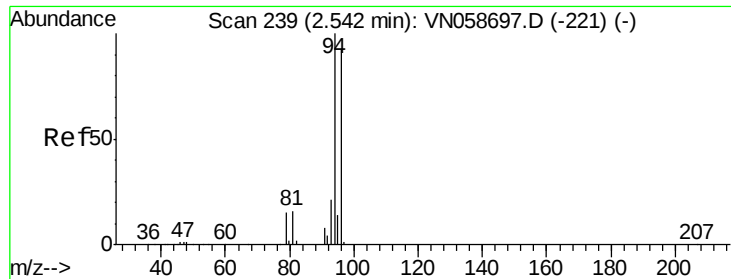
Tgt Ion: 62 Resp: 286461

Ion Ratio Lower Upper

62 100

64 31.1 25.3 37.9

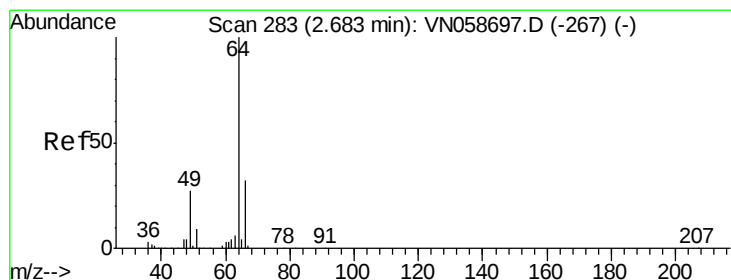
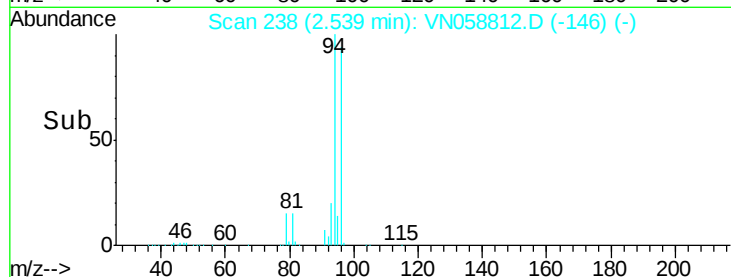
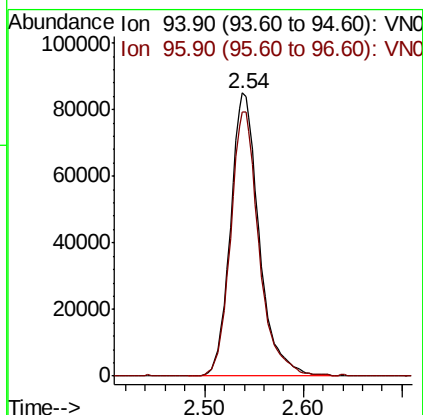
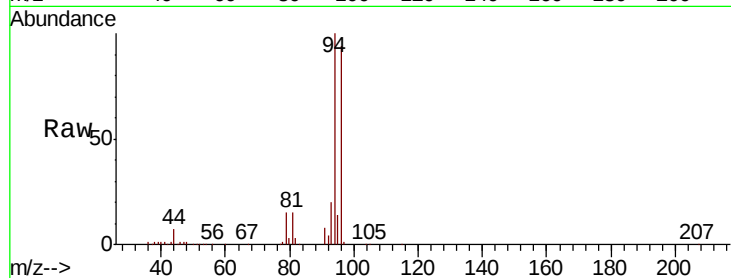




#5
Bromomethane
Concen: 51.679 ug/l
RT: 2.54 min Scan# 238
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

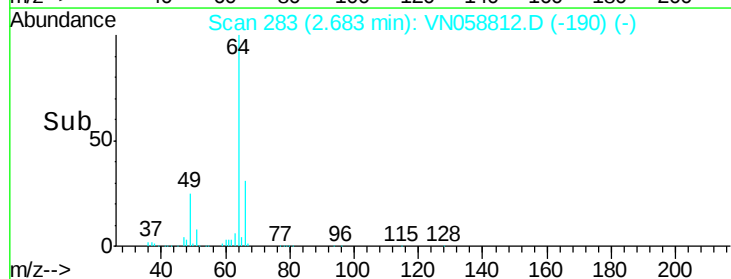
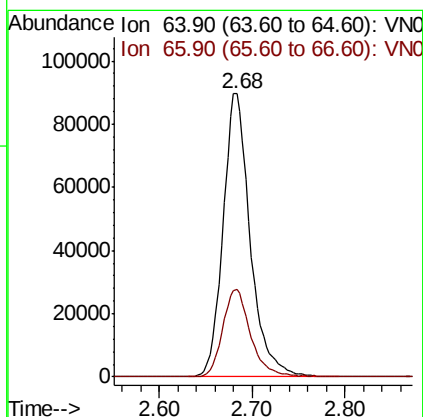
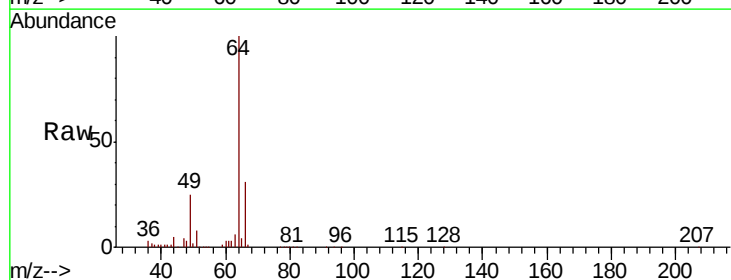
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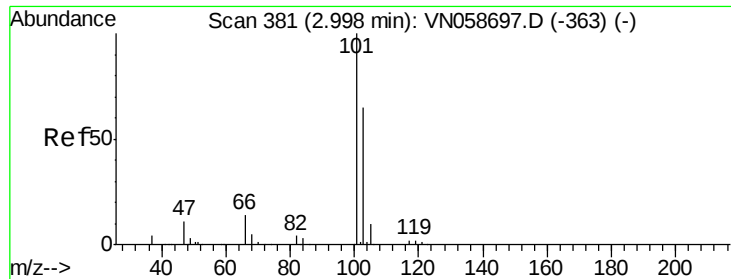
Tot Ion: 94 Resp: 171975
Ion Ratio Lower Upper
94 100
96 93.5 74.5 111.7



#6
Chloroethane
Concen: 53.939 ug/l
RT: 2.68 min Scan# 283
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Tgt Ion: 64 Resp: 181999
Ion Ratio Lower Upper
64 100
66 30.8 25.4 38.2





#7

Trichlorofluoromethane

Concen: 53.461 ug/l

RT: 3.00 min Scan# 380

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

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ClientSampleId :

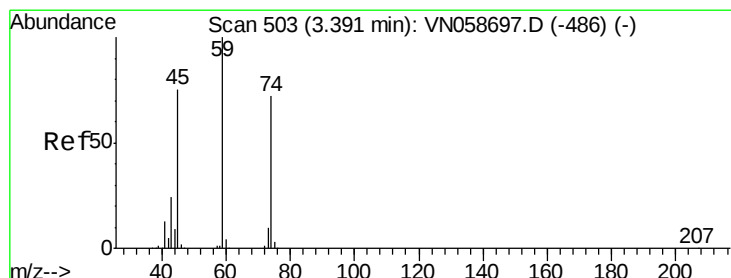
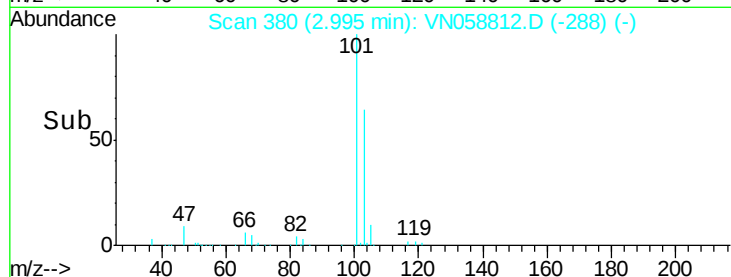
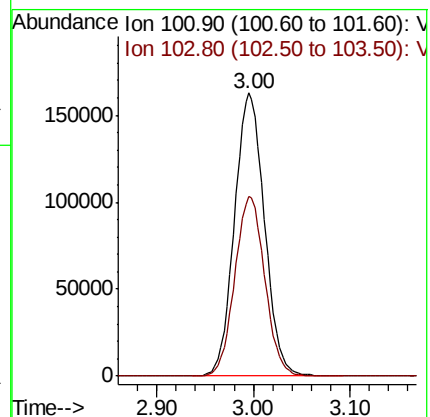
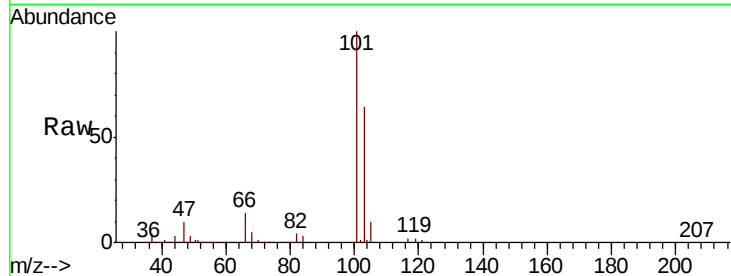
FA19-MMW0006MSD

Tot Ion:101 Resp: 349998

Ion Ratio Lower Upper

101 100

103 63.5 51.8 77.6



#8

Diethyl Ether

Concen: 51.641 ug/l

RT: 3.39 min Scan# 503

Delta R.T. -0.00 min

Lab File: VN058812.D

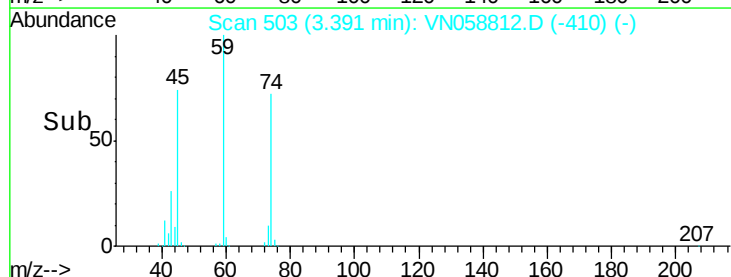
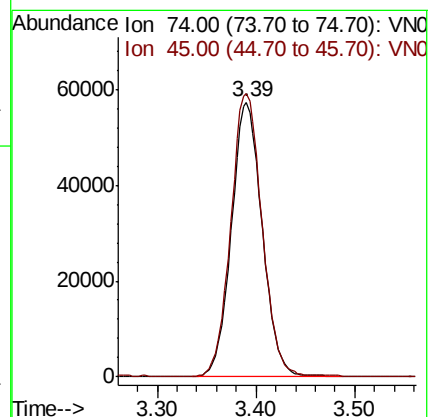
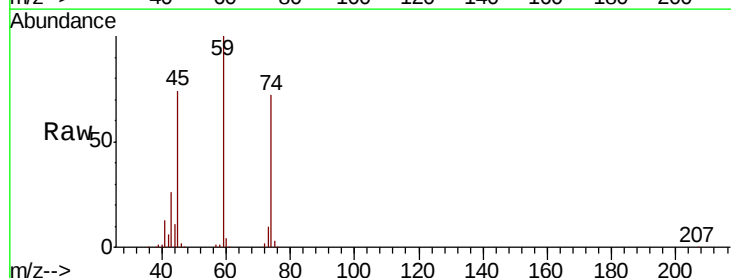
Acq: 16 Oct 2019 19:08

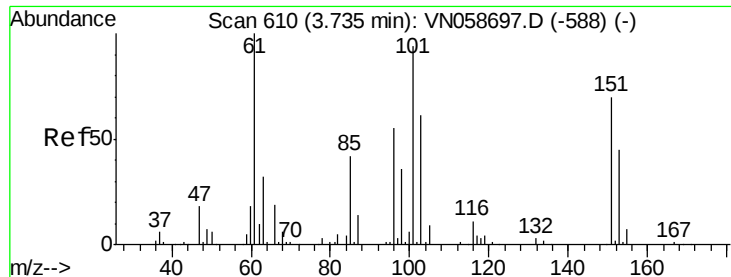
Tgt Ion: 74 Resp: 124915

Ion Ratio Lower Upper

74 100

45 105.0 51.3 154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.962 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

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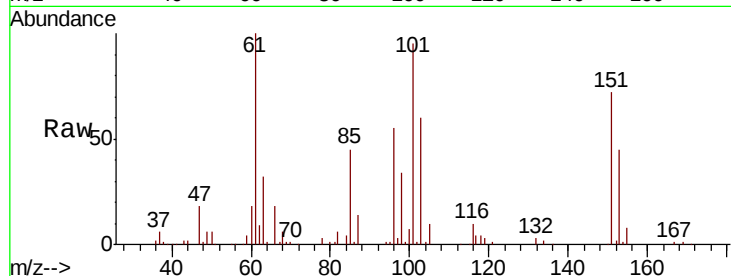
Tot Ion:101 Resp: 190234

Ion Ratio Lower Upper

101 100

85 46.9 37.0 55.6

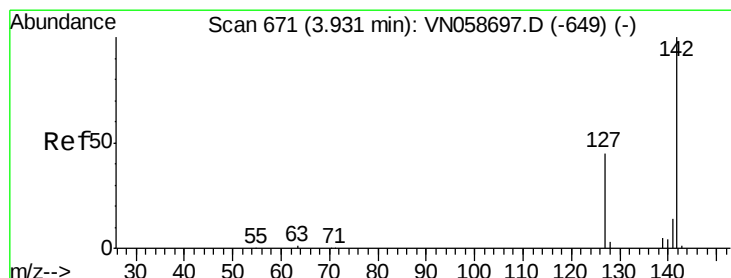
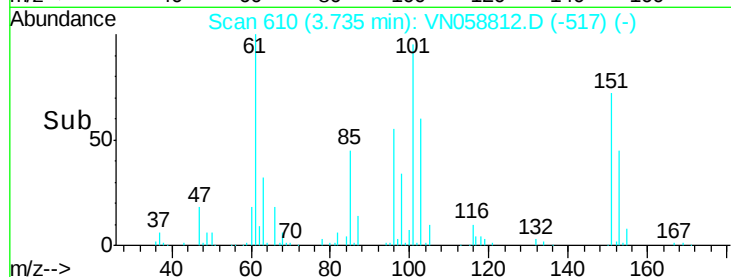
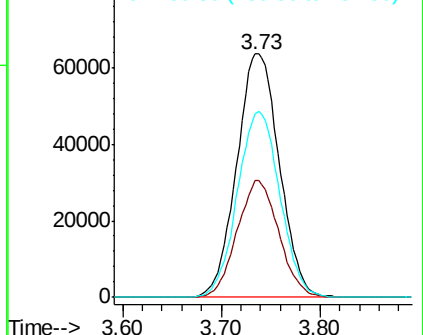
151 76.1 61.8 92.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.810 ug/l

RT: 3.93 min Scan# 671

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

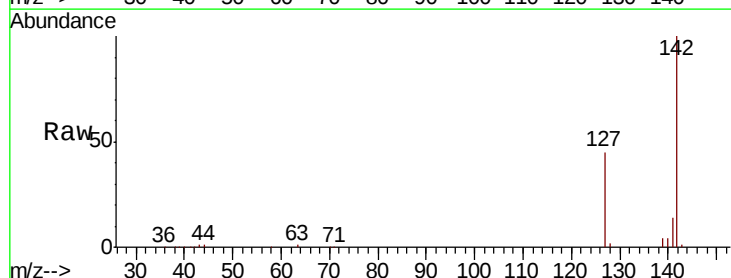
Tgt Ion:142 Resp: 258823

Ion Ratio Lower Upper

142 100

127 45.8 36.4 54.6

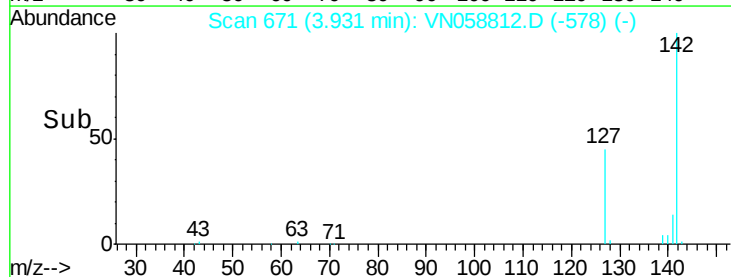
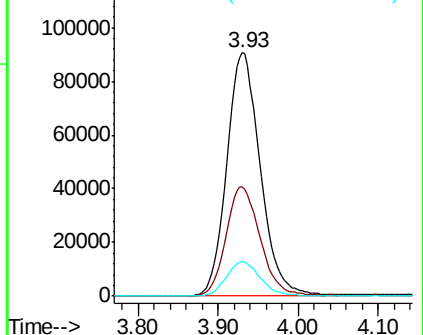
141 14.2 11.1 16.7

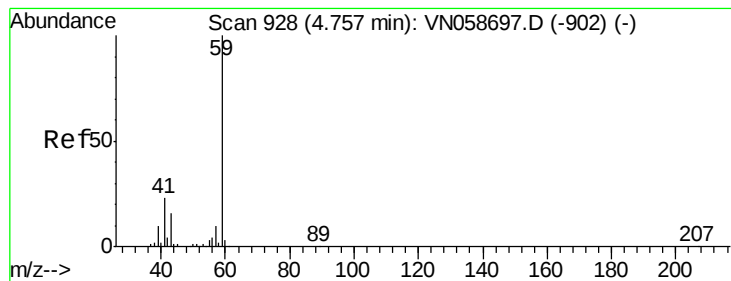


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



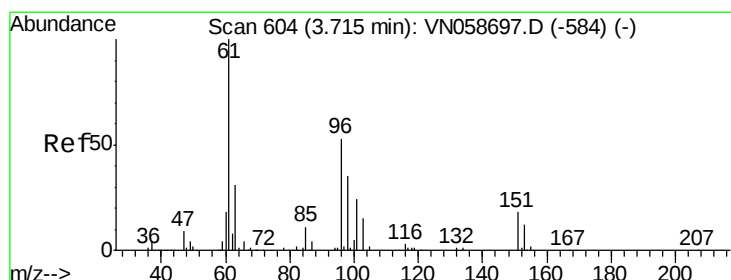
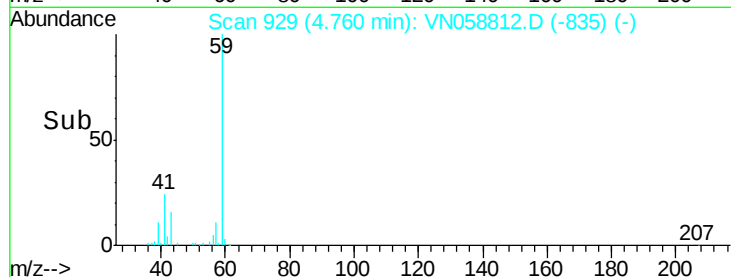
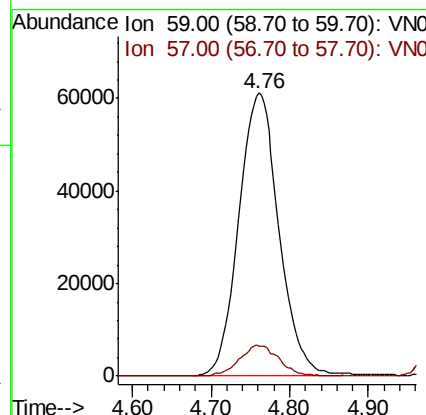
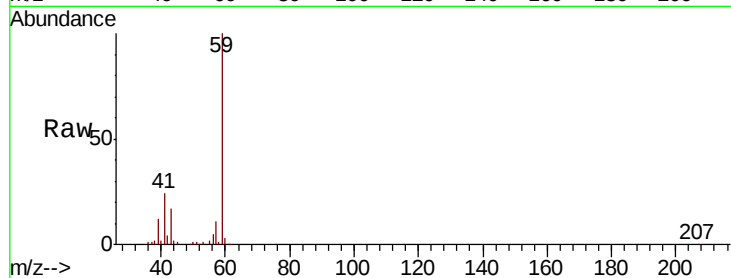


#11

Tert butyl alcohol
 Concen: 260.492 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VN058812.D
 Acq: 16 Oct 2019 19:08

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0006MSD

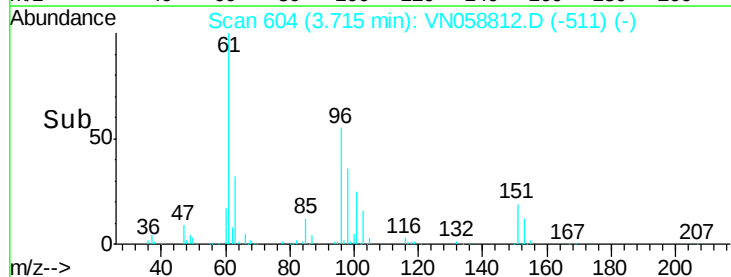
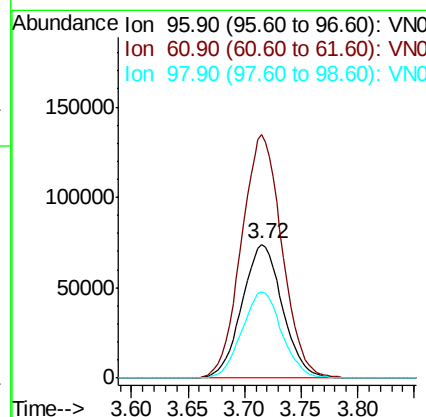
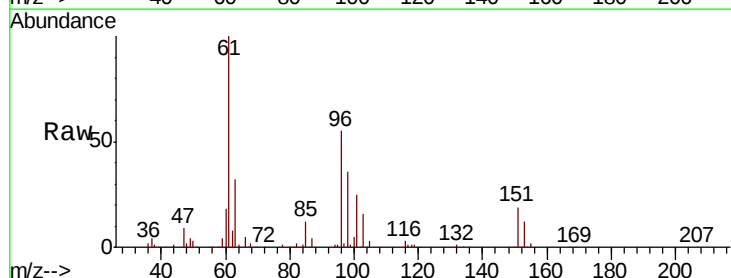
Tot Ion: 59 Resp: 219035
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.4 12.6

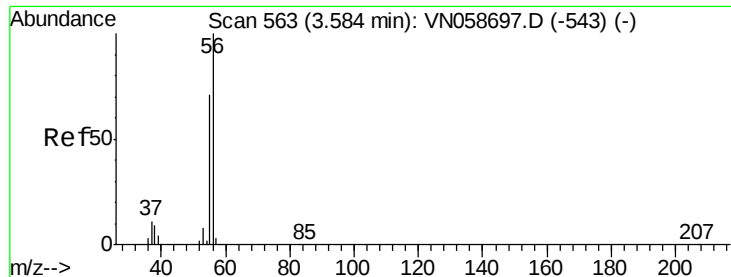


#12

1,1-Dichloroethene
 Concen: 51.609 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058812.D
 Acq: 16 Oct 2019 19:08

Tgt Ion: 96 Resp: 183809
 Ion Ratio Lower Upper
 96 100
 61 182.1 151.3 226.9
 98 64.8 52.6 78.8





#13

Acrolein

Concen: 172.165 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

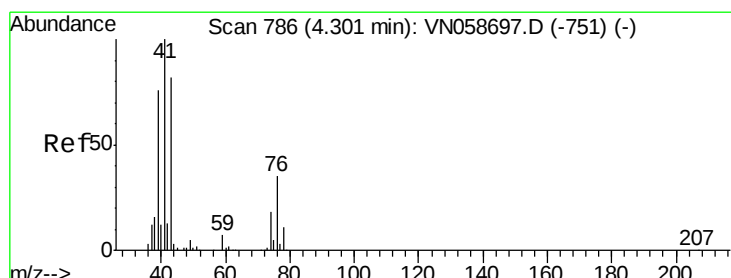
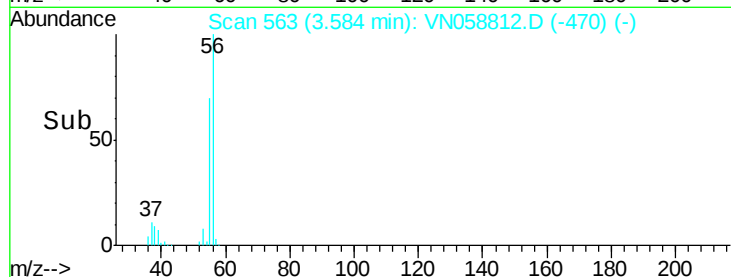
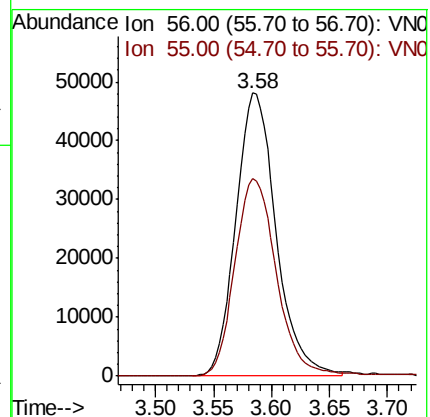
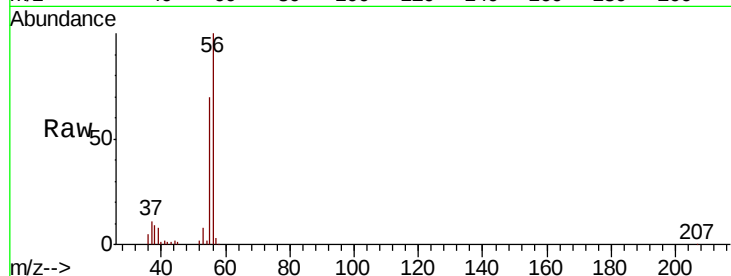
FA19-MMW0006MSD

Tot Ion: 56 Resp: 116428

Ion Ratio Lower Upper

56 100

55 71.8 56.7 85.1



#14

Allyl chloride

Concen: 51.297 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

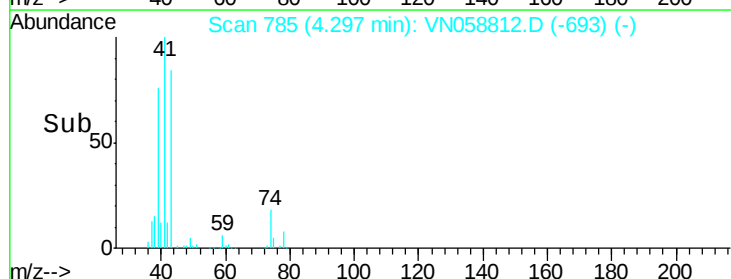
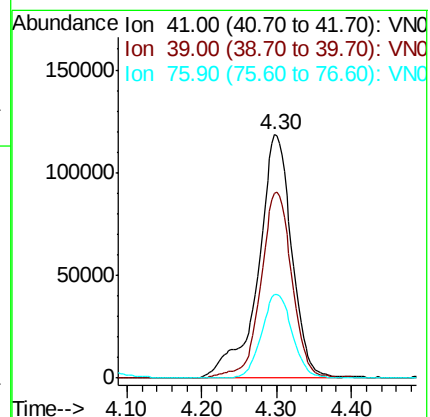
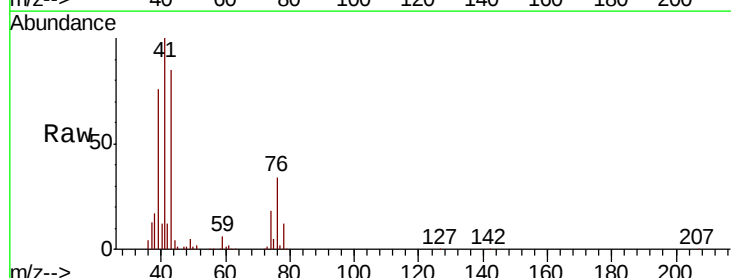
Tgt Ion: 41 Resp: 368700

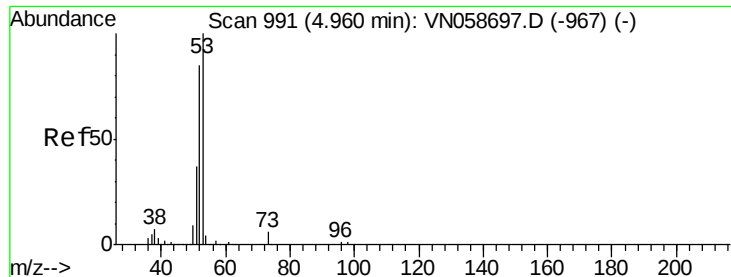
Ion Ratio Lower Upper

41 100

39 71.3 57.2 85.8

76 31.6 25.0 37.6





#15

Acrylonitrile

Concen: 277.632 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0006MSD

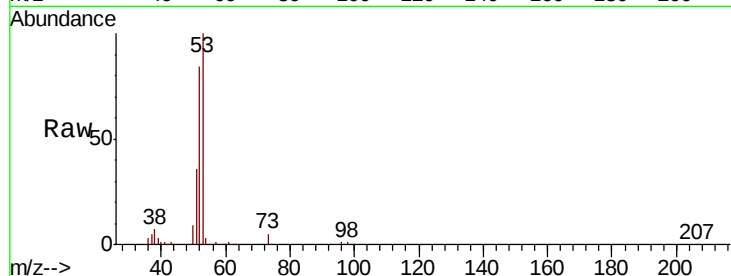
Tot Ion: 53 Resp: 588718

Ion Ratio Lower Upper

53 100

52 83.0 66.2 99.2

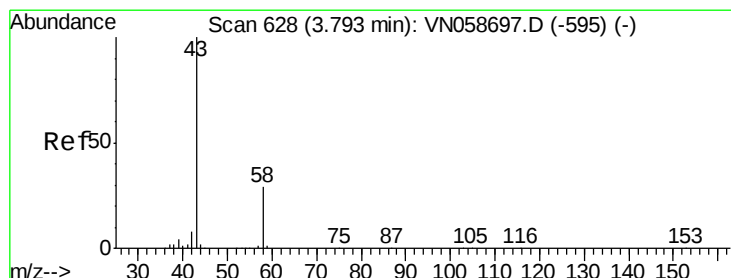
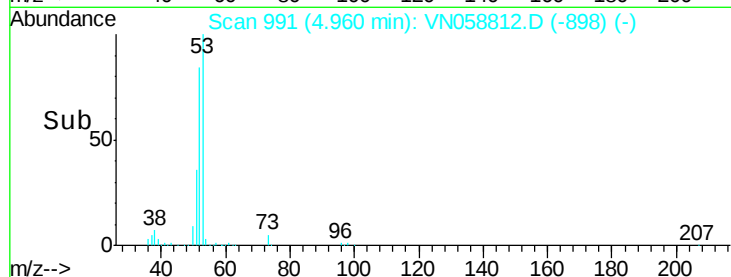
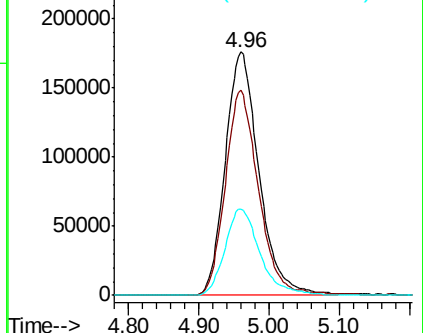
51 36.9 29.4 44.2



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: 242.070 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058812.D

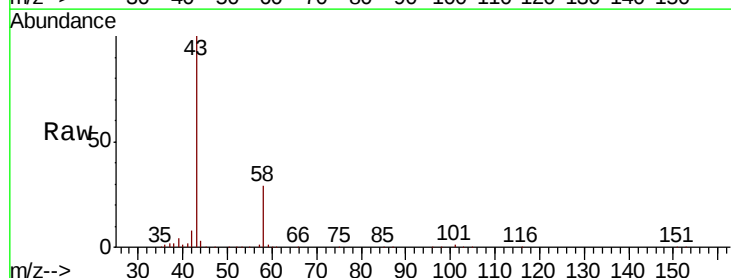
Acq: 16 Oct 2019 19:08

Tgt Ion: 43 Resp: 520318

Ion Ratio Lower Upper

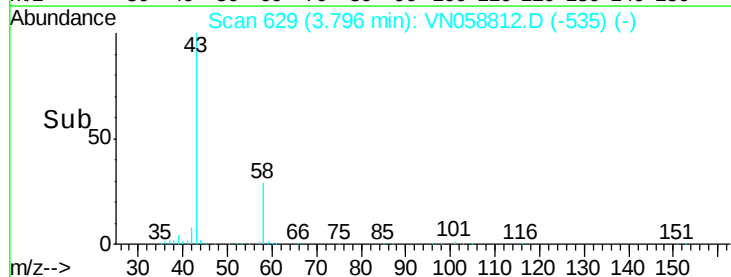
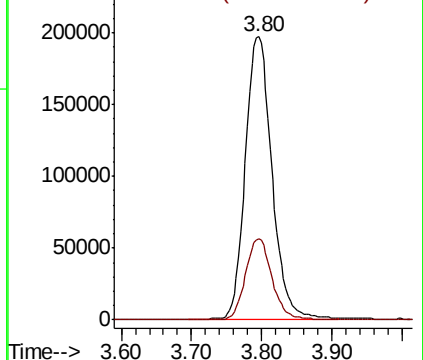
43 100

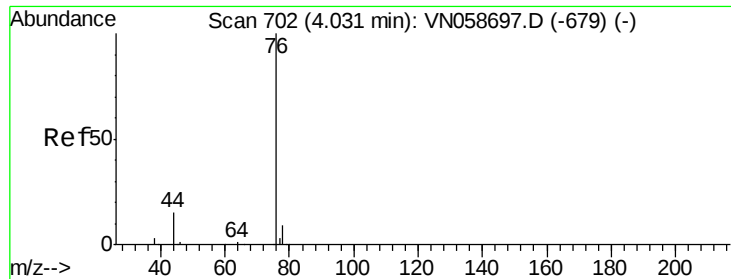
58 28.9 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

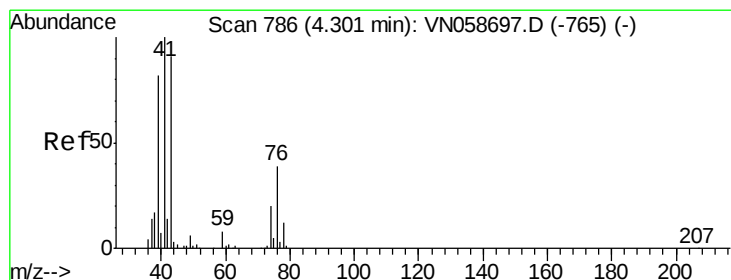
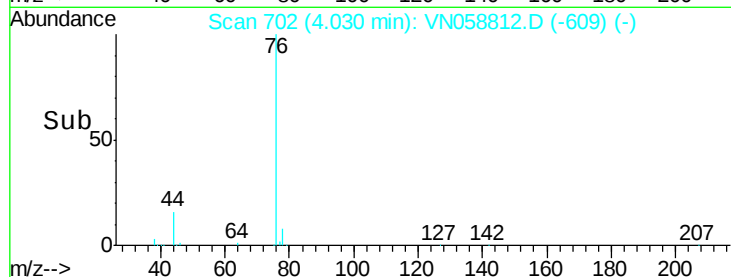
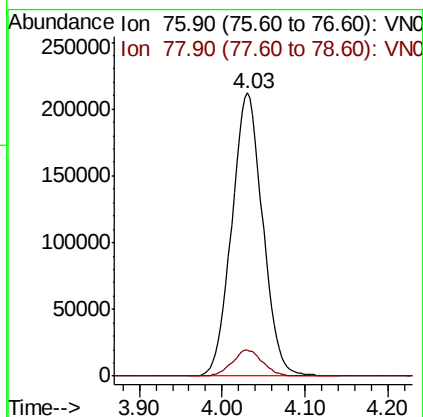
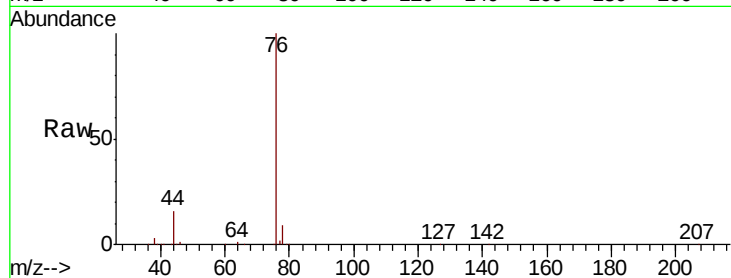




#17
Carbon Disulfide
Concen: 48.414 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

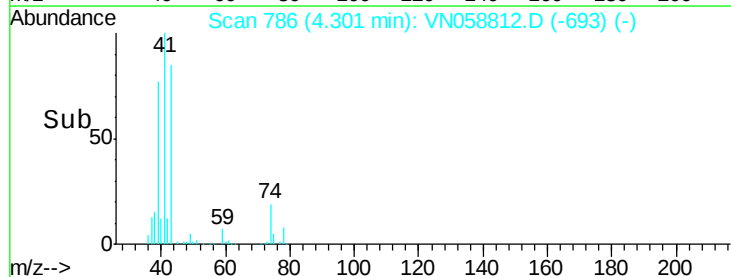
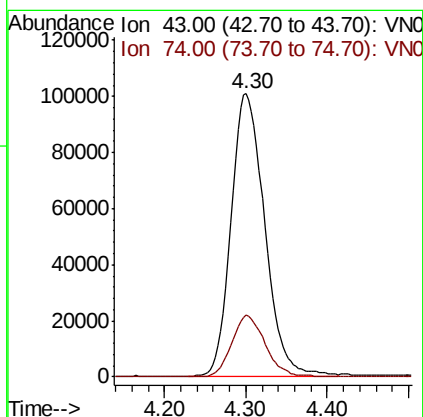
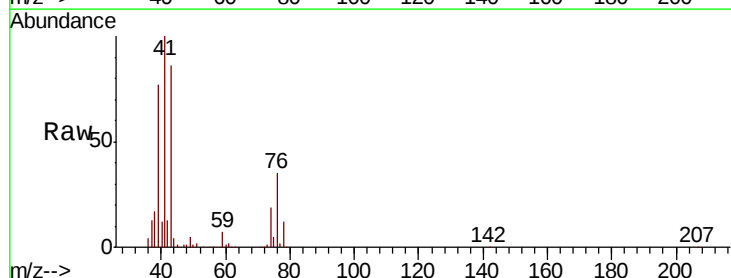
Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MSD

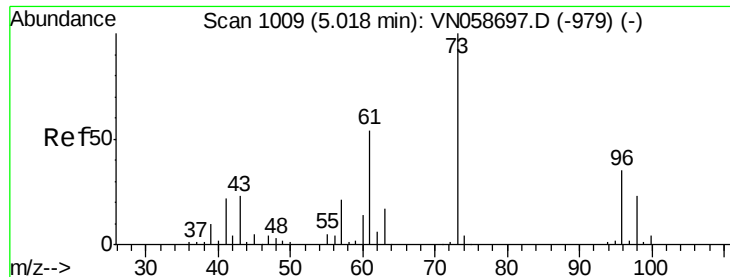
Tot Ion: 76 Resp: 551182
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7



#18
Methyl Acetate
Concen: 52.879 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Tgt Ion: 43 Resp: 288313
Ion Ratio Lower Upper
43 100
74 21.8 17.2 25.8

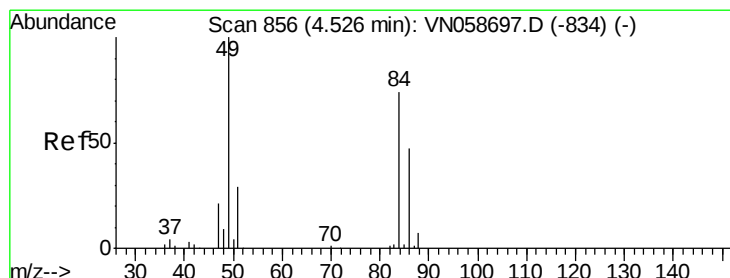
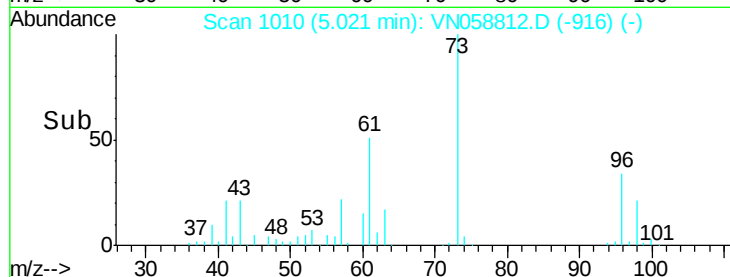
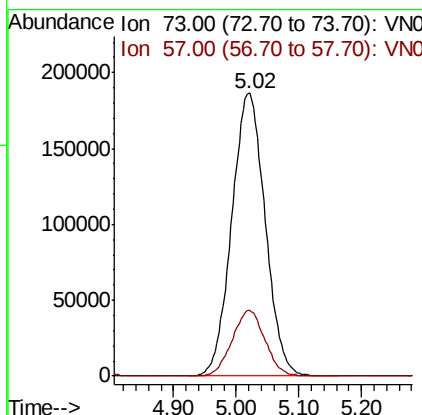
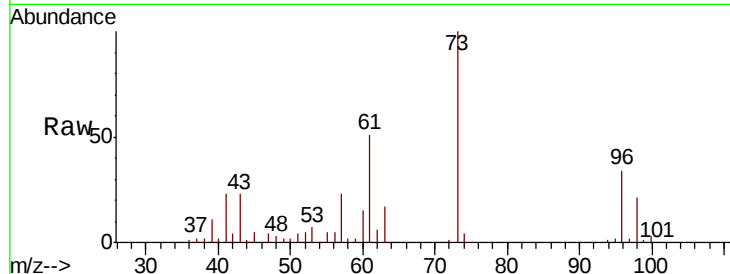




#19
Methvl tert-butvl Ether
Concen: 54.265 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

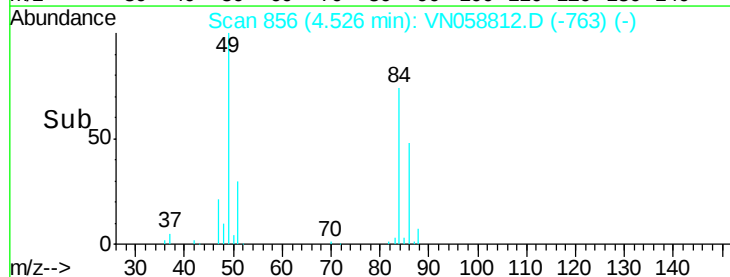
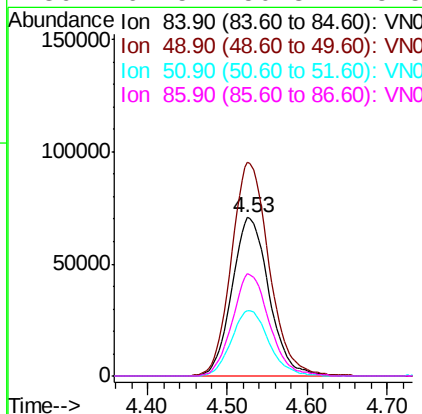
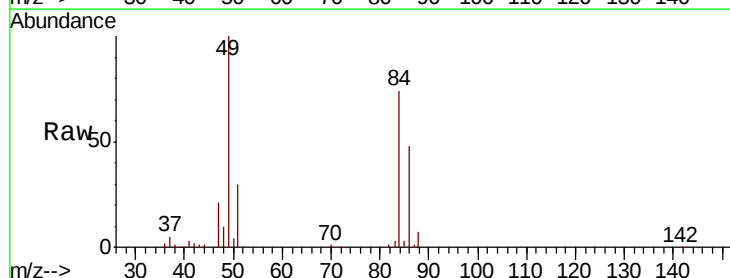
Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MSD

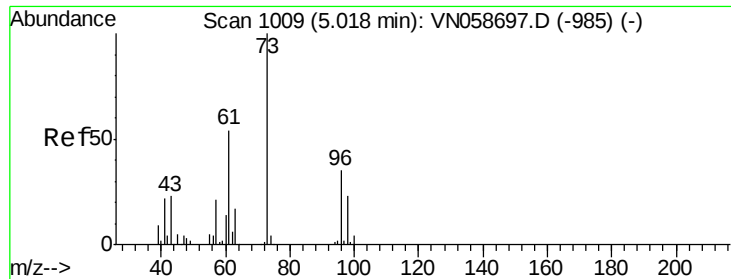
Tot Ion: 73 Resp: 690137
Ion Ratio Lower Upper
73 100
57 23.2 17.0 25.6



#20
Methylene Chloride
Concen: 49.514 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Tgt Ion: 84 Resp: 222431
Ion Ratio Lower Upper
84 100
49 135.1 107.6 161.4
51 41.1 31.4 47.0
86 64.5 50.3 75.5

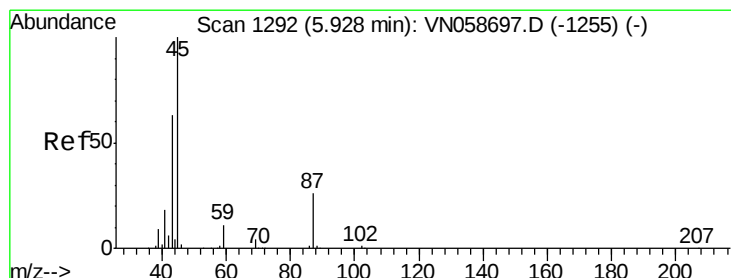
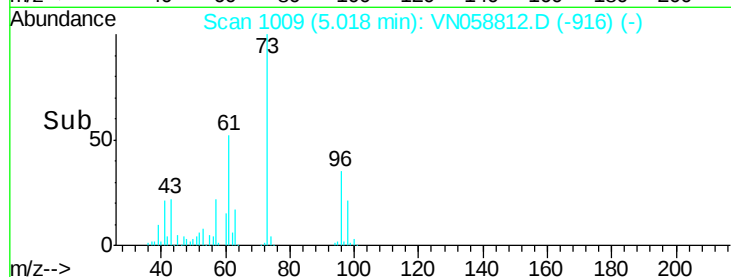
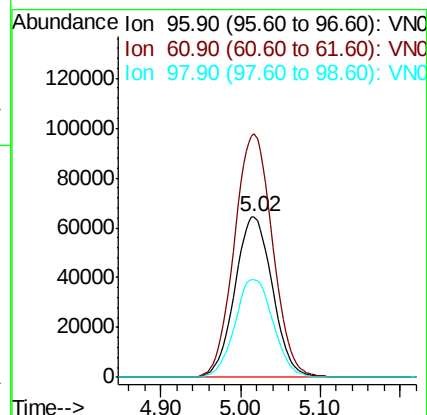
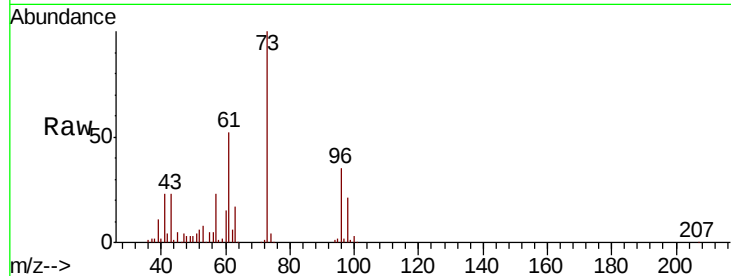




#21
trans-1,2-Dichloroethene
Concen: 51.752 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

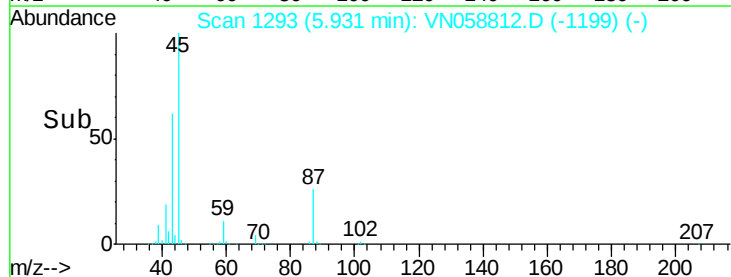
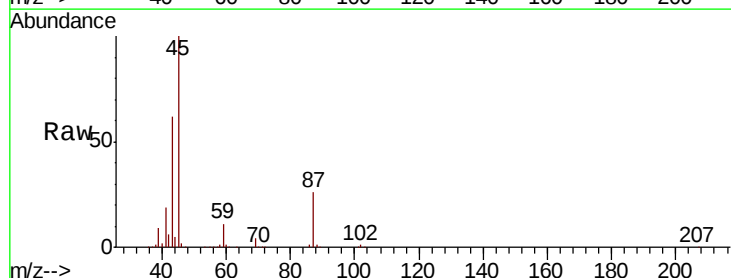
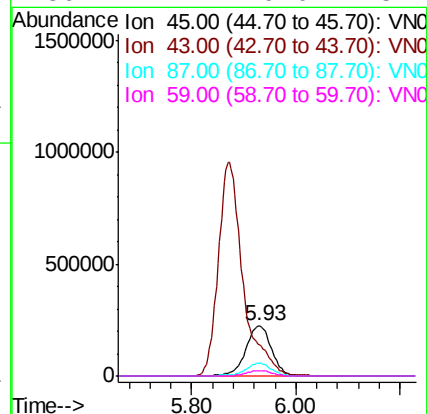
Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MSD

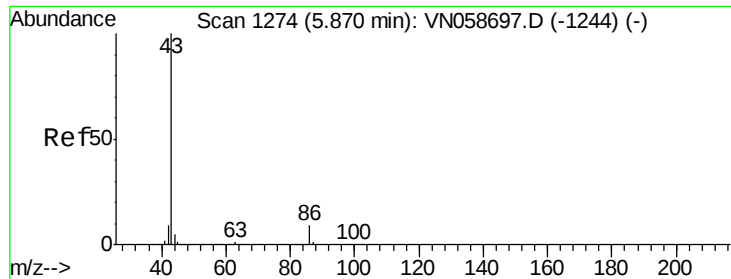
Tot Ion: 96 Resp: 206176
Ion Ratio Lower Upper
96 100
61 151.2 123.6 185.4
98 60.9 52.1 78.1



#22
Diisopropyl ether
Concen: 55.024 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Tgt Ion: 45 Resp: 768957
Ion Ratio Lower Upper
45 100
43 61.9 50.6 75.8
87 25.5 21.1 31.7
59 11.1 9.0 13.4





#23

Vinyl Acetate

Concen: 279.157 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

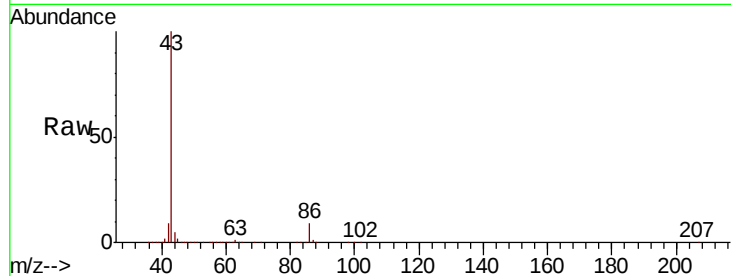
FA19-MMW0006MSD

Tot Ion: 43 Resp: 3147887

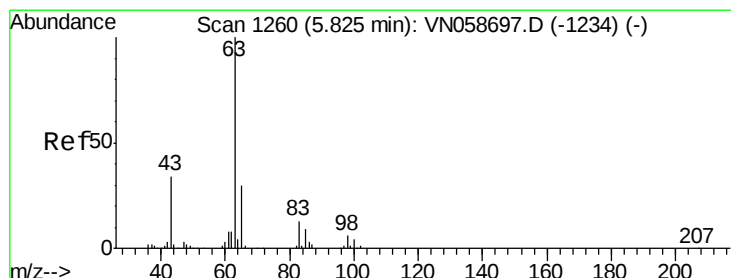
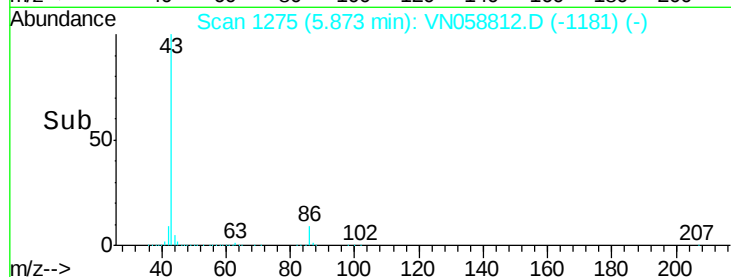
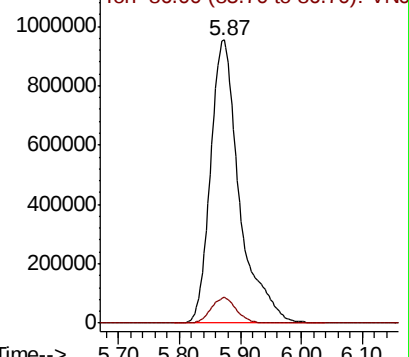
Ion Ratio Lower Upper

43 100

86 9.0 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VN058812.D (-1181) (-)



#24

1,1-Dichloroethane

Concen: 53.234 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

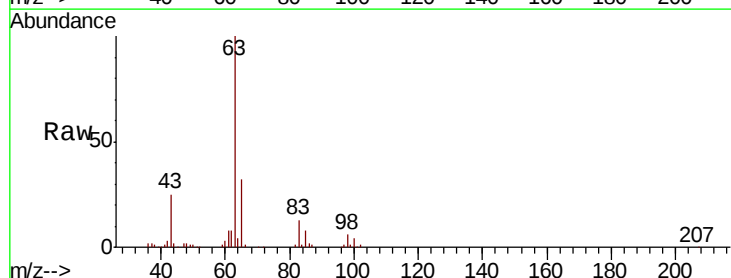
Tgt Ion: 63 Resp: 423699

Ion Ratio Lower Upper

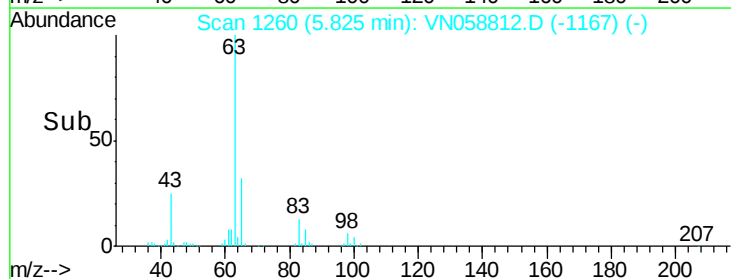
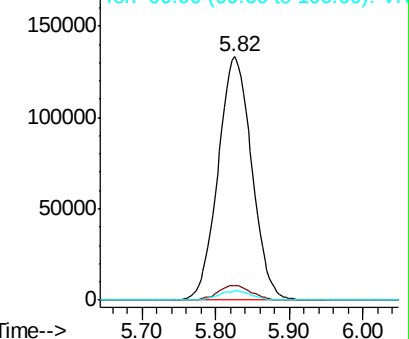
63 100

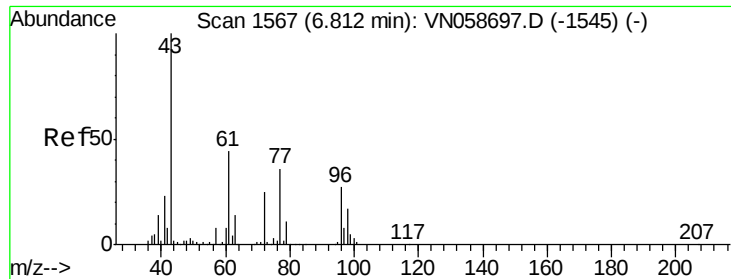
98 5.9 2.9 8.6

100 3.7 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VN058812.D (-1167) (-)

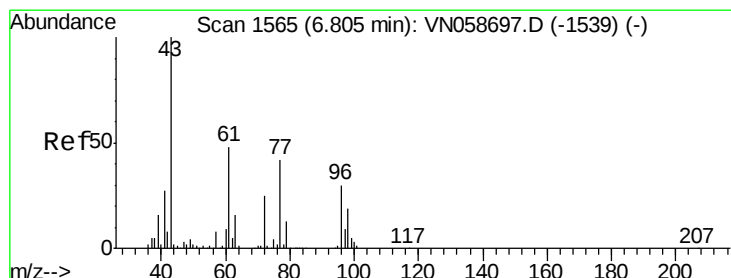
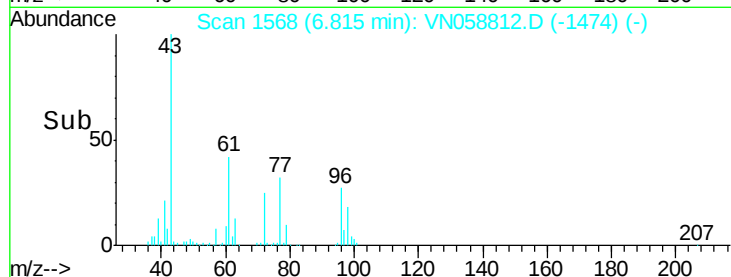
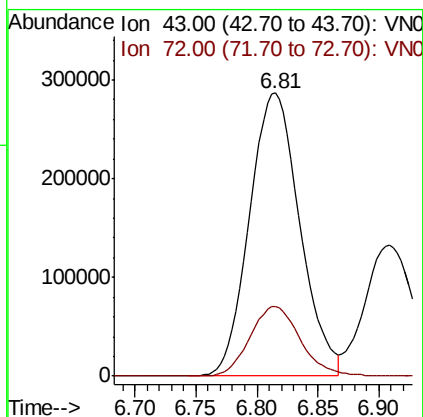
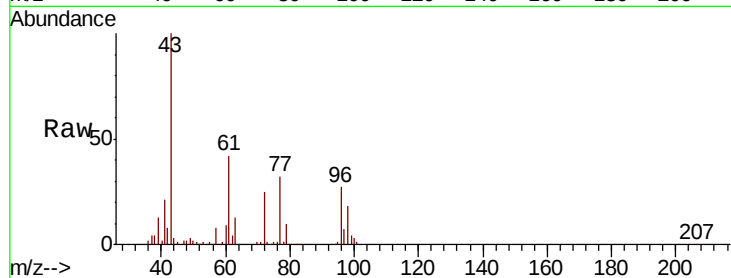




#25
2-Butanone
Concen: 264.042 ug/l
RT: 6.81 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

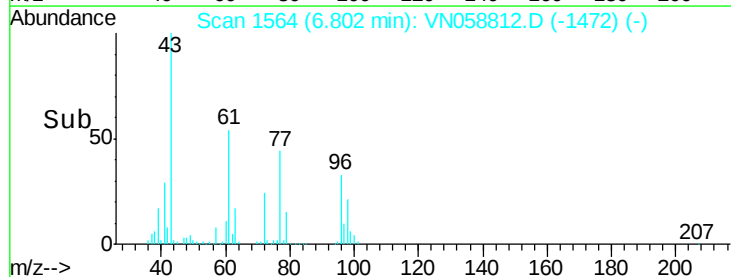
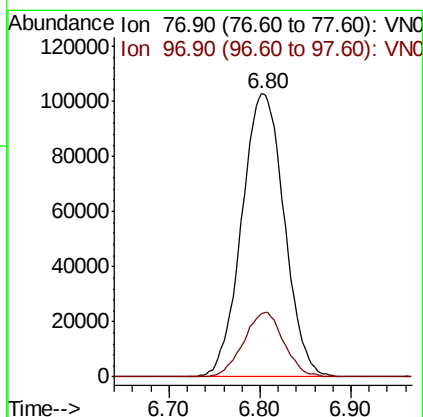
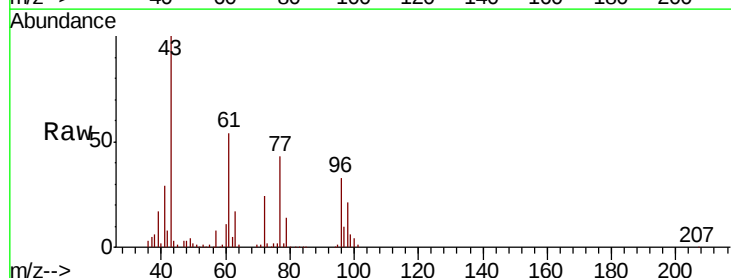
Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MSD

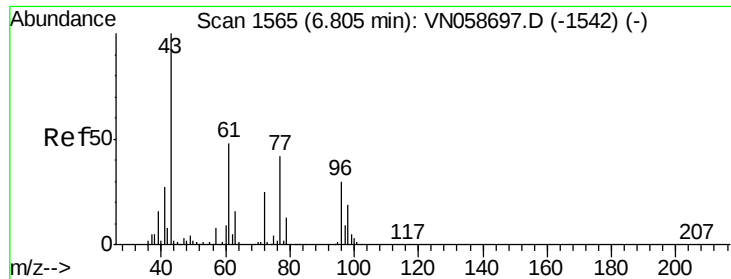
Tot Ion: 43 Resp: 820329
Ion Ratio Lower Upper
43 100
72 24.8 20.2 30.2



#26
2,2-Dichloropropane
Concen: 45.912 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Tgt Ion: 77 Resp: 333572
Ion Ratio Lower Upper
77 100
97 21.6 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 51.397 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0006MSD

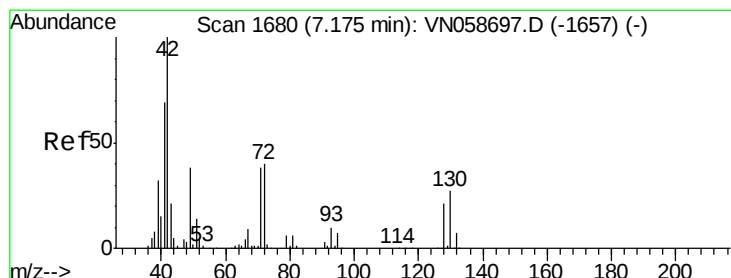
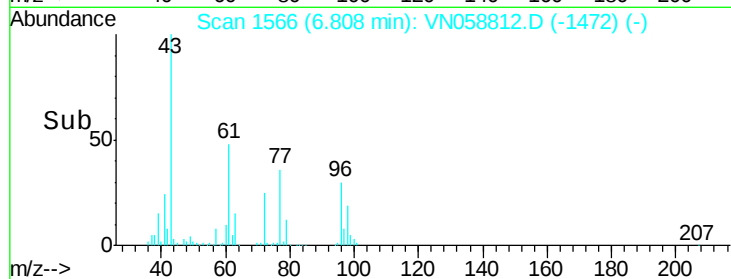
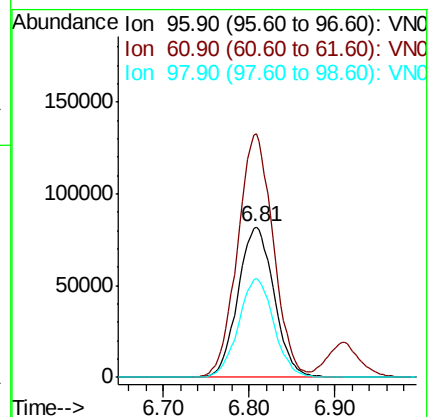
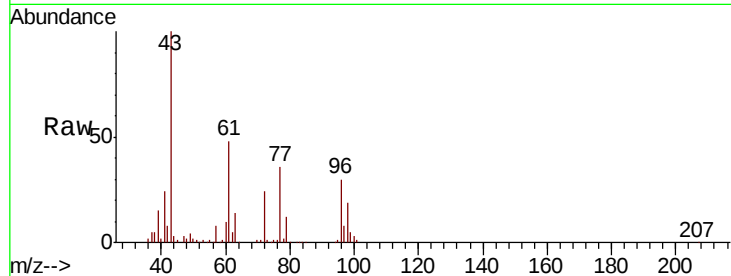
Tot Ion: 96 Resp: 238777

Ion Ratio Lower Upper

96 100

61 160.2 0.0 324.8

98 64.2 0.0 129.2



#28

Bromochloromethane

Concen: 54.606 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

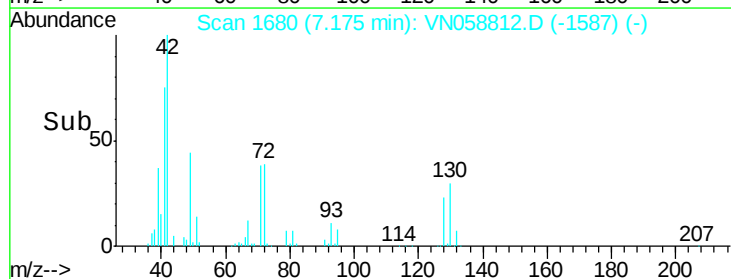
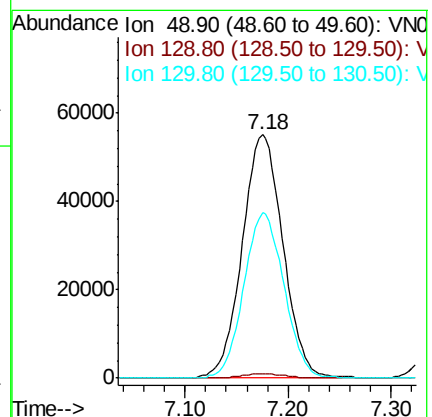
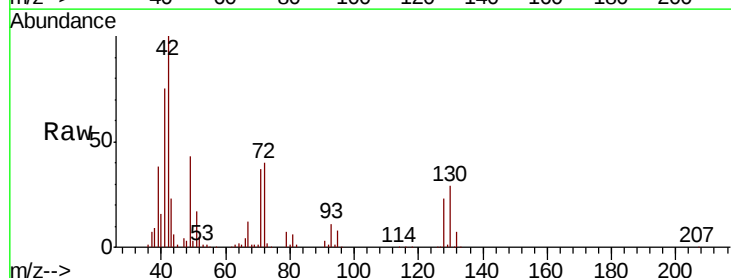
Tgt Ion: 49 Resp: 151200

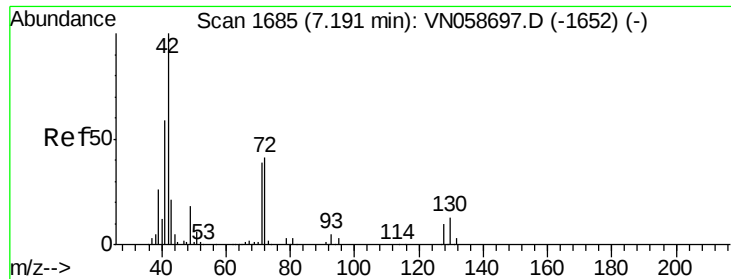
Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.6

130 66.9 55.0 82.4

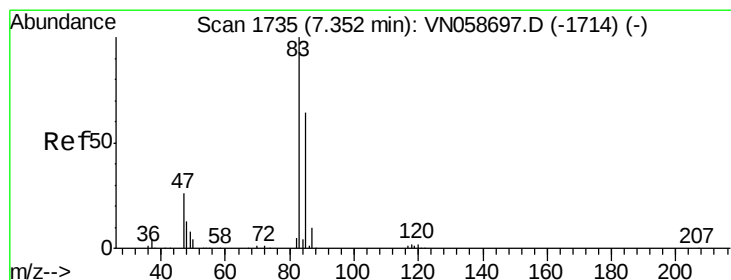
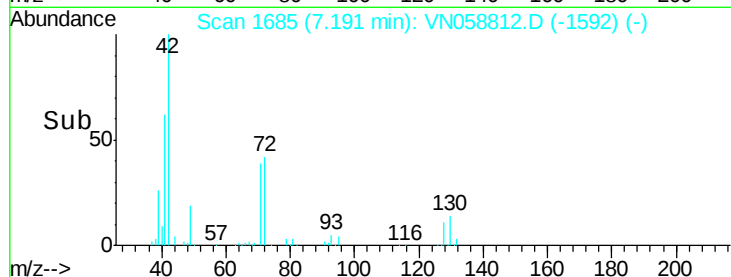
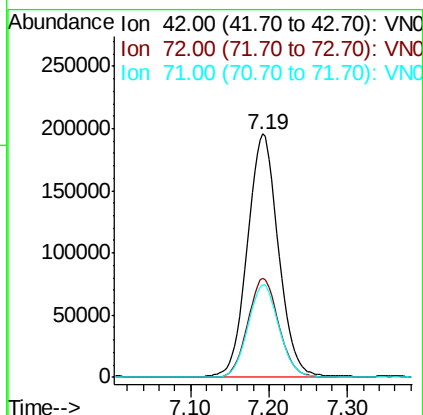
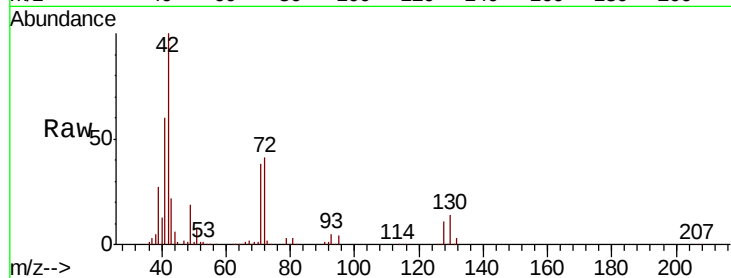




#29
Tetrahydrofuran
Concen: 272.896 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

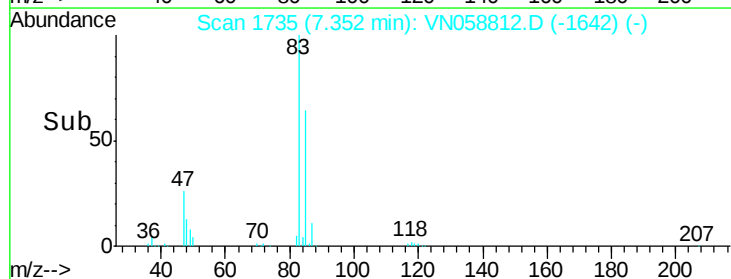
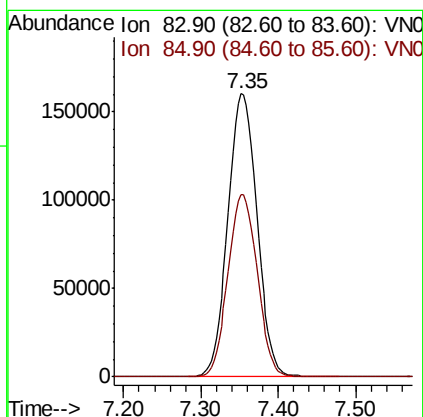
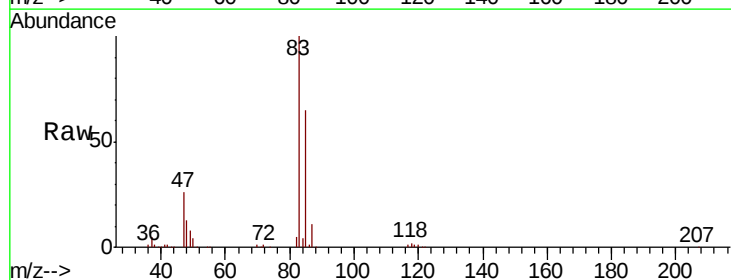
Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MSD

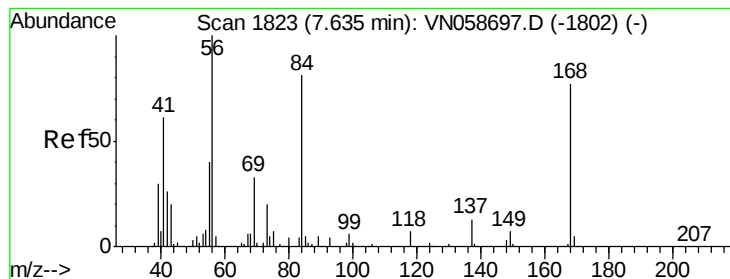
Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	32.8	49.2
71	38.5	31.1	46.7



#30
Chloroform
Concen: 52.445 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.0	76.6





#31

Cyclohexane

Concen: 48.380 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0006MSD

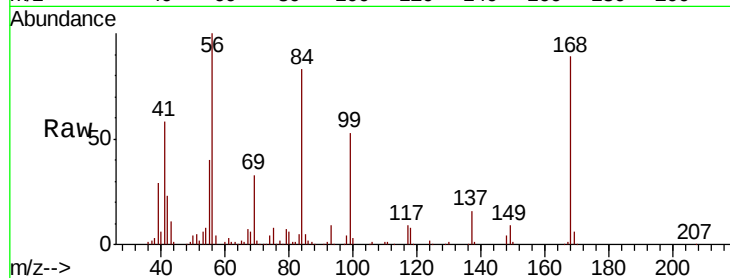
Tot Ion: 56 Resp: 368436

Ion Ratio Lower Upper

56 100

69 33.1 26.2 39.4

84 81.9 64.9 97.3

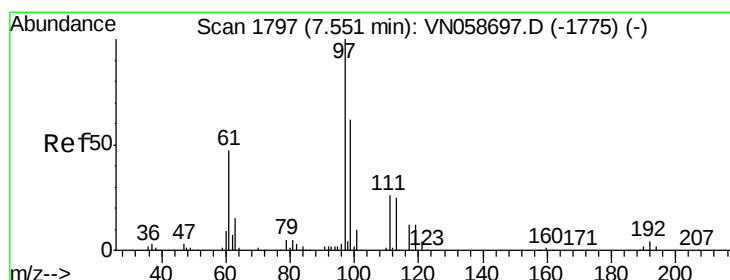
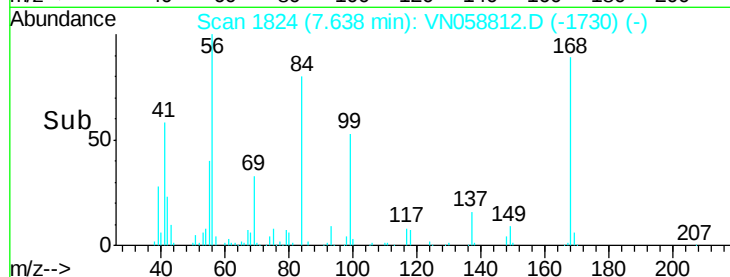
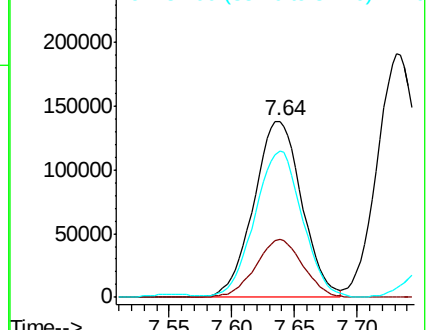


Abundance

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: 53.056 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

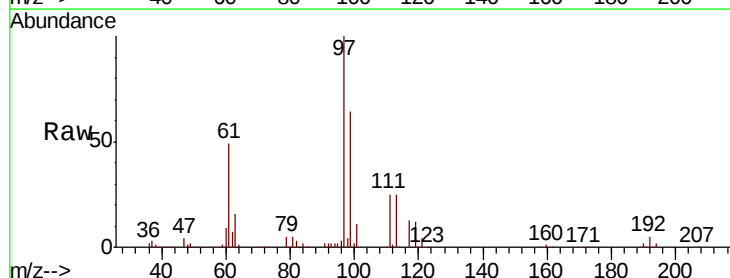
Tgt Ion: 97 Resp: 361830

Ion Ratio Lower Upper

97 100

99 64.5 50.8 76.2

61 48.8 38.1 57.1

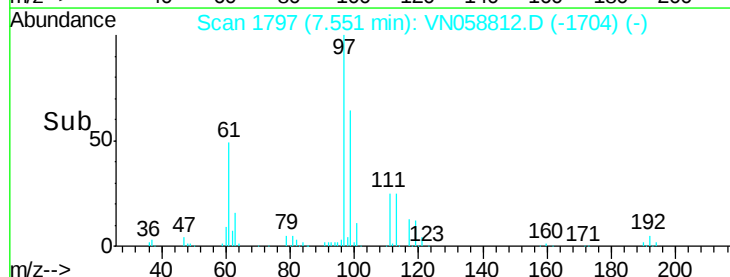
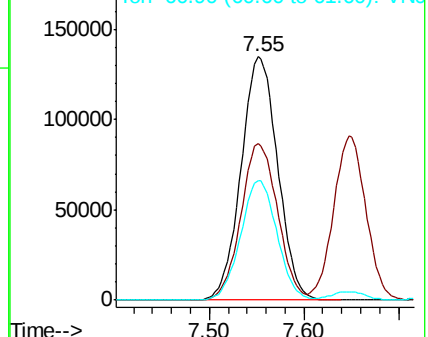


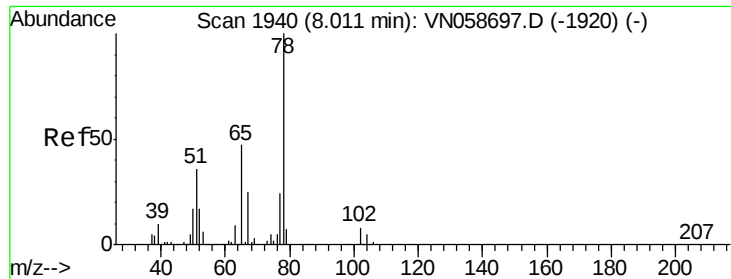
Abundance

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: 55.345 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

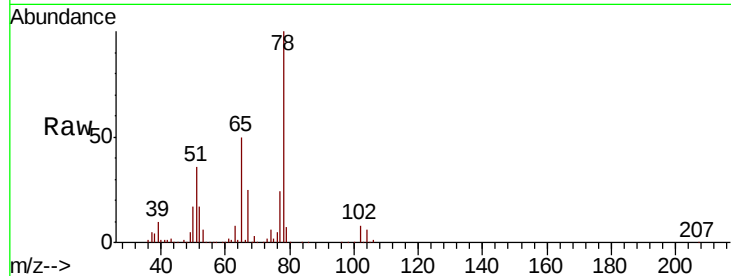
FA19-MMW0006MSD

Tot Ion: 65 Resp: 287353

Ion Ratio Lower Upper

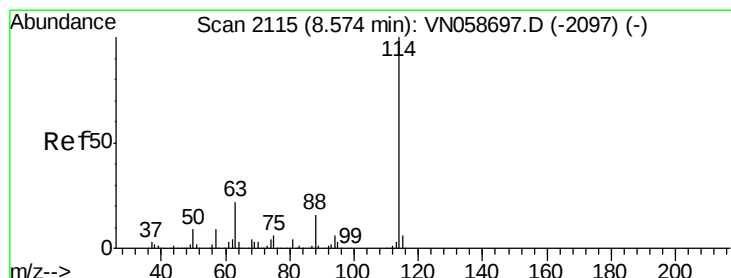
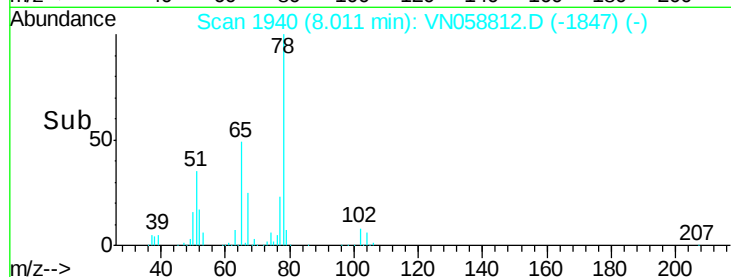
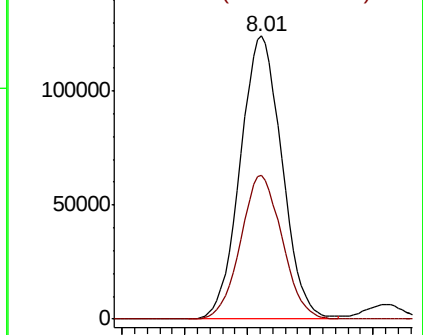
65 100

67 50.6 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN058812.D (-1847) (-)

Ion 66.90 (66.60 to 67.60): VN058812.D (-1847) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

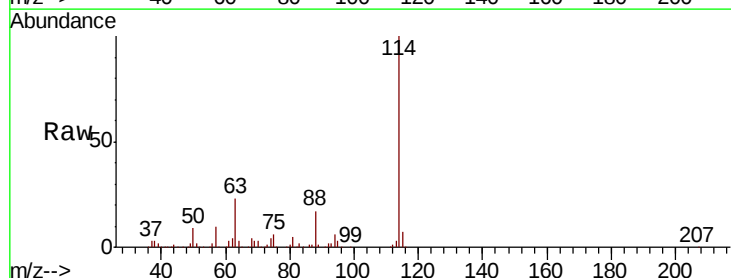
Tgt Ion: 114 Resp: 595301

Ion Ratio Lower Upper

114 100

63 22.6 0.0 43.8

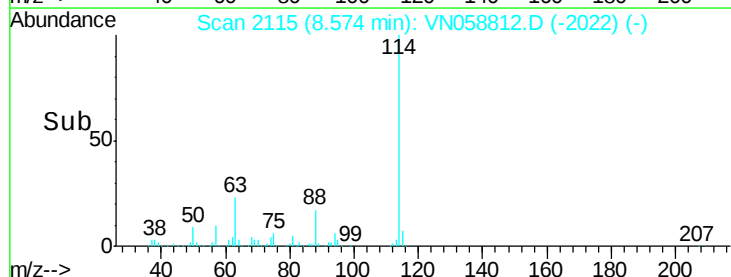
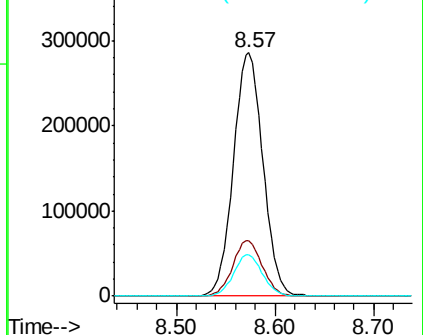
88 16.8 0.0 32.0

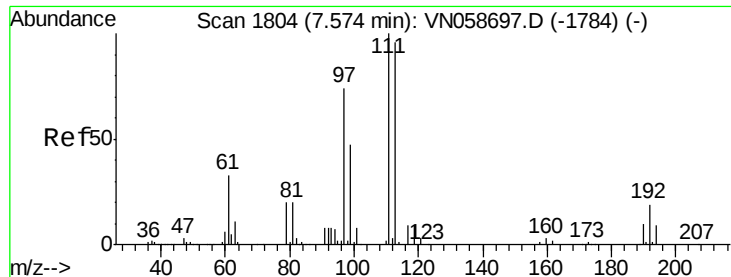


Abundance Ion 113.90 (113.60 to 114.60): VN058812.D (-2022) (-)

Ion 63.00 (62.70 to 63.70): VN058812.D (-2022) (-)

Ion 87.90 (87.60 to 88.60): VN058812.D (-2022) (-)

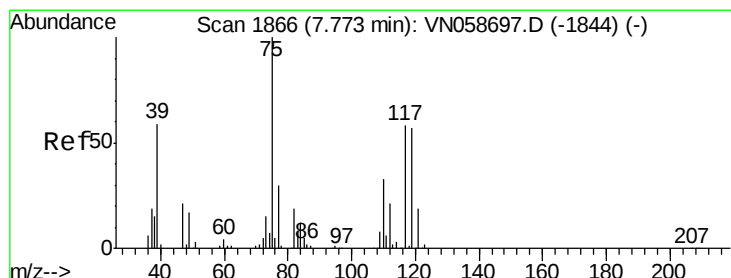
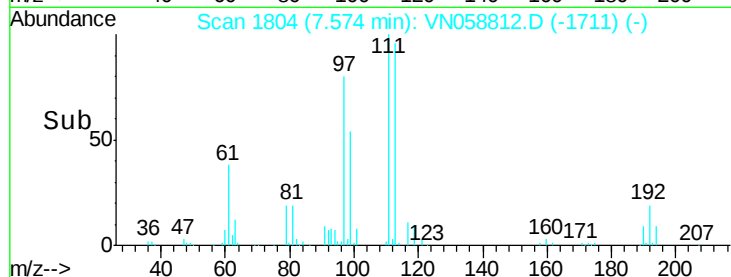
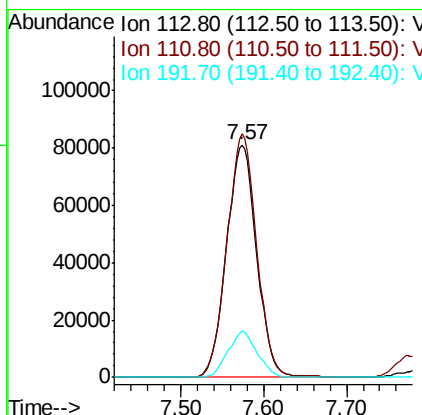
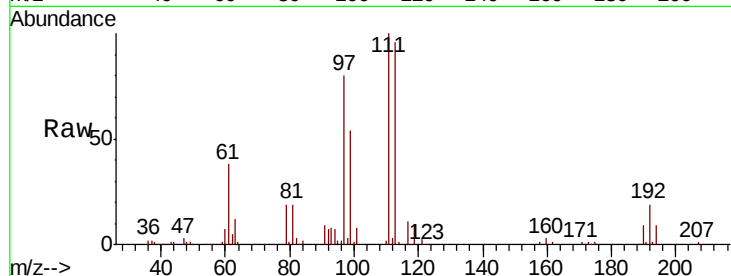




#35
 Dibromofluoromethane
 Concen: 55.846 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058812.D
 Acq: 16 Oct 2019 19:08

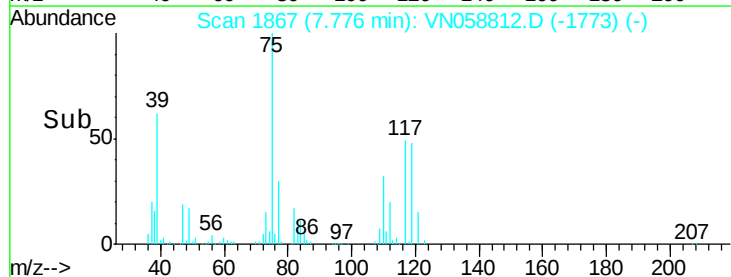
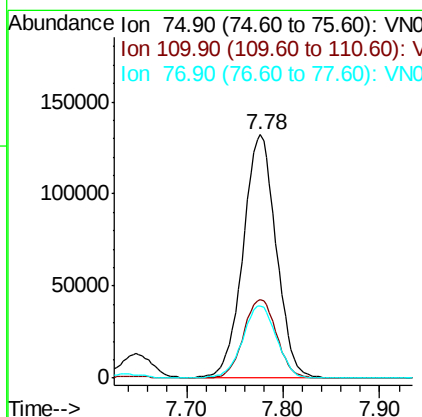
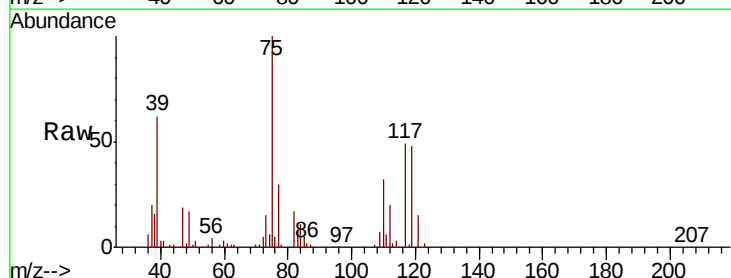
Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0006MSD

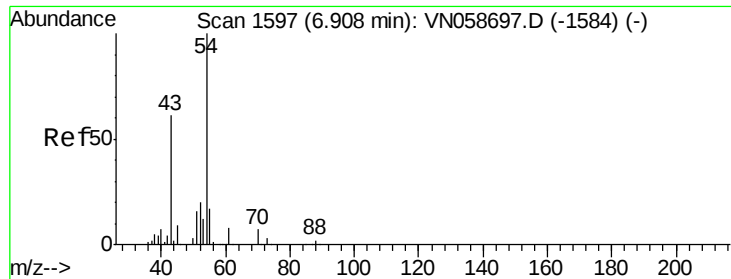
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.3	123.5
192	19.0	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 52.099 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058812.D
 Acq: 16 Oct 2019 19:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.4	16.6	49.8
77	30.6	24.6	37.0

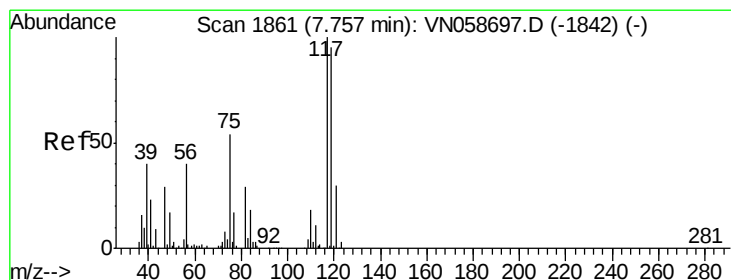
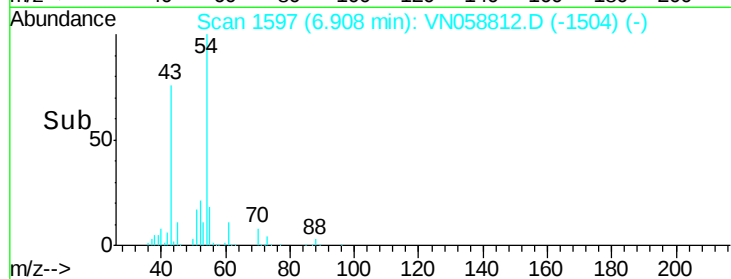
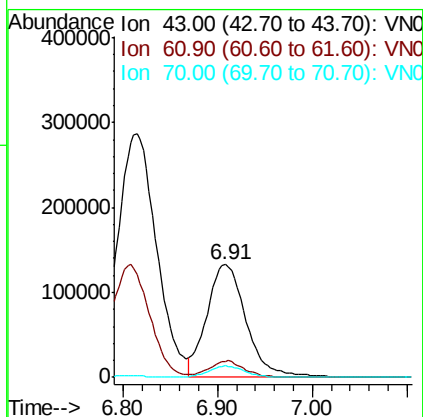
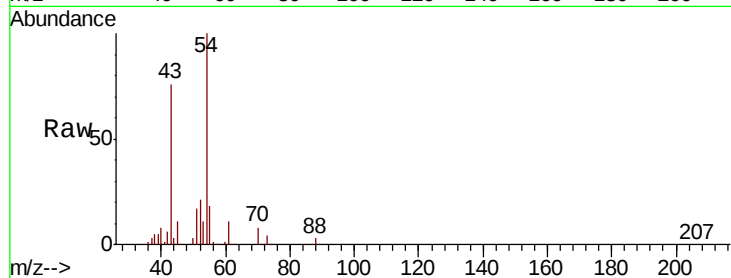




#37
Ethyl Acetate
Concen: 61.876 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

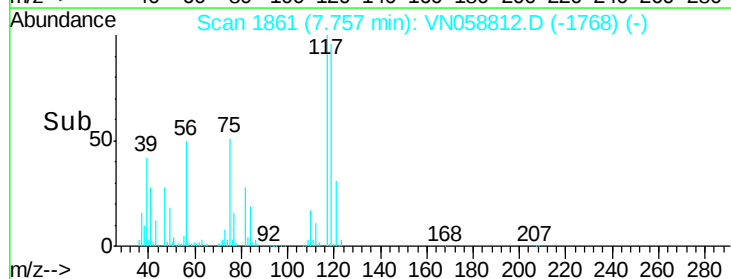
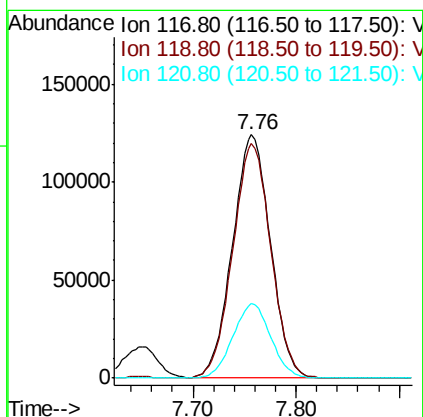
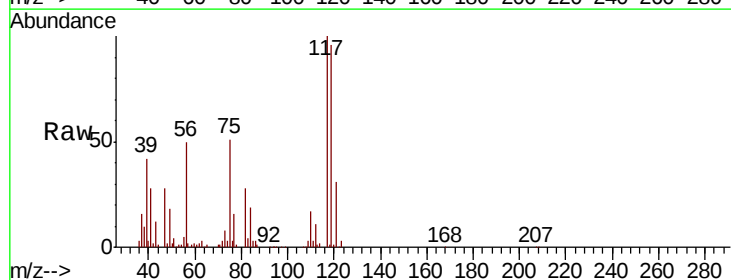
Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MSD

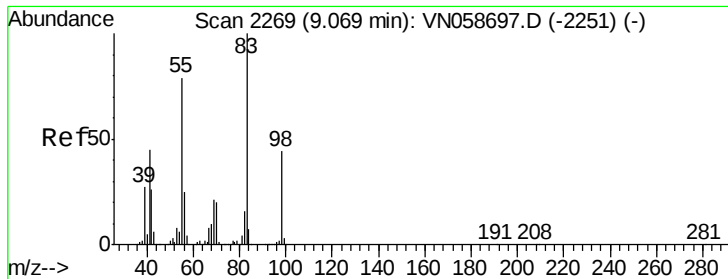
Tot Ion: 43 Resp: 376645
Ion Ratio Lower Upper
43 100
61 13.1 11.3 16.9
70 9.8 7.2 10.8



#38
Carbon Tetrachloride
Concen: 54.122 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Tgt Ion: 117 Resp: 317482
Ion Ratio Lower Upper
117 100
119 96.1 75.7 113.5
121 30.6 23.9 35.9

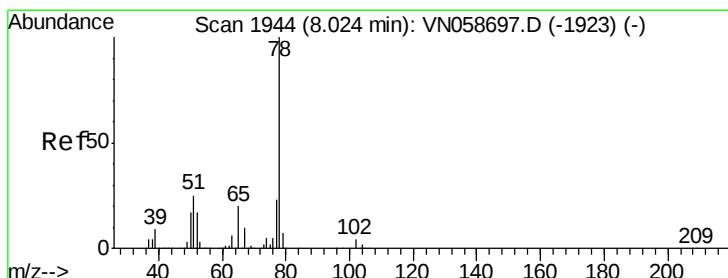
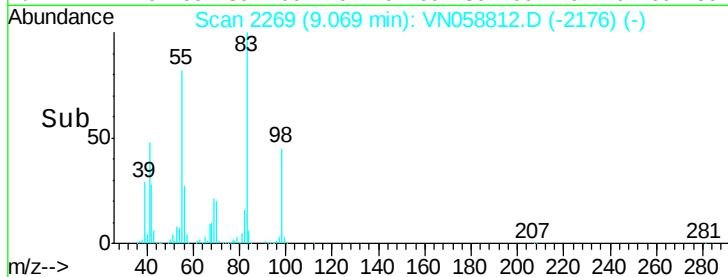
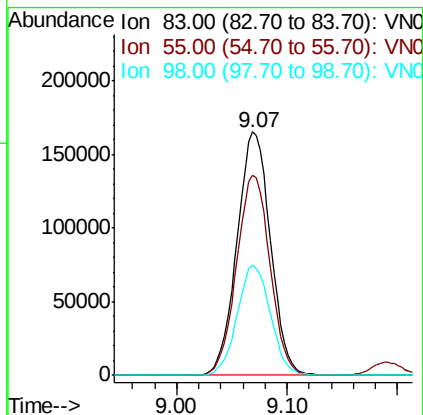
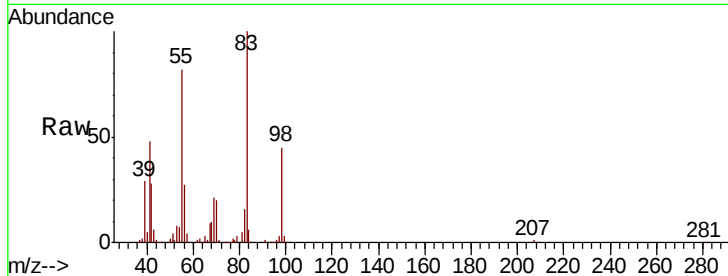




#39
Methvlcvclohexane
Concen: 49.881 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

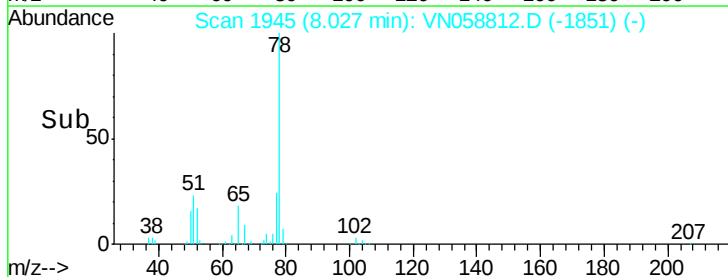
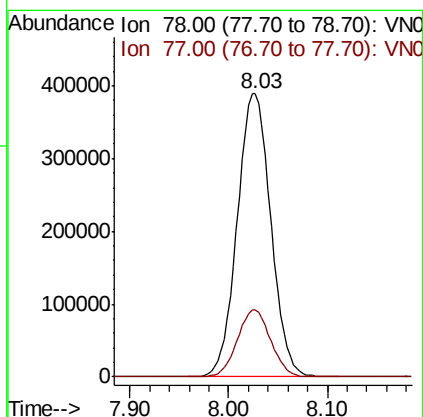
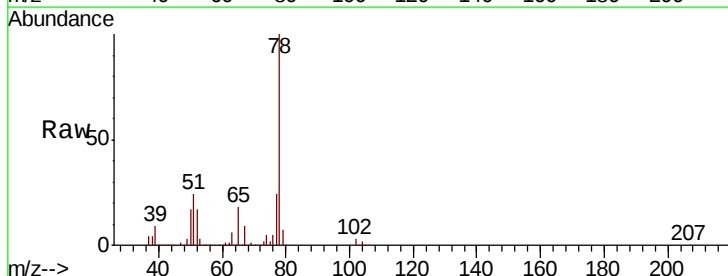
Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MSD

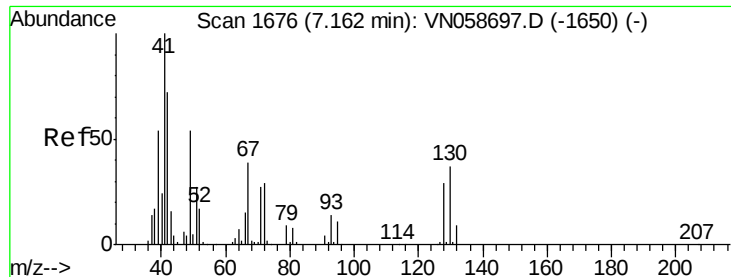
Tot Ion: 83 Resp: 348380
Ion Ratio Lower Upper
83 100
55 82.4 63.4 95.0
98 45.2 35.1 52.7



#40
Benzene
Concen: 53.047 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Tgt Ion: 78 Resp: 916981
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2

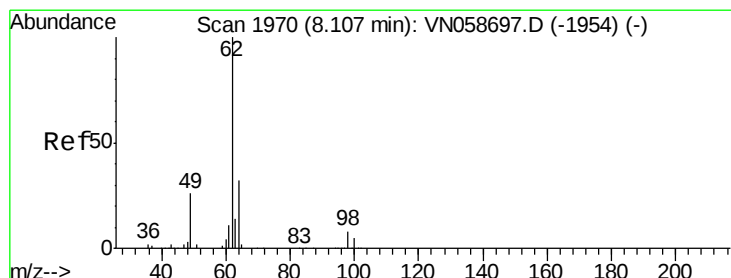
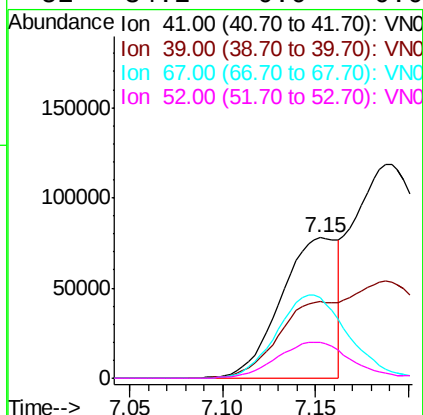
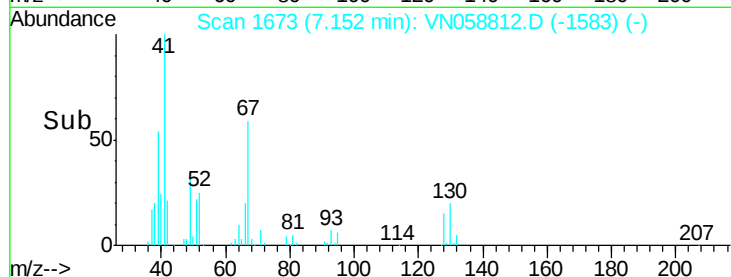
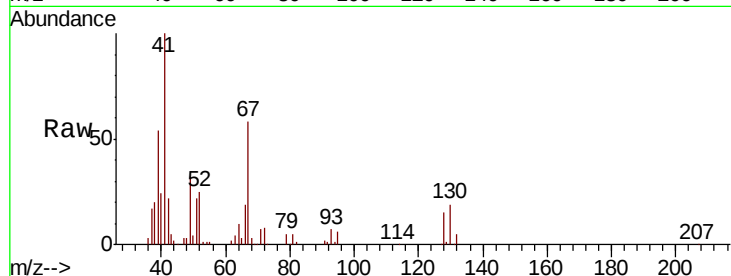




#41
Methacrylonitrile
Concen: 57.996 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

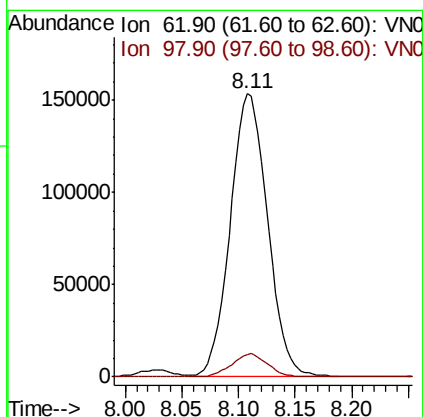
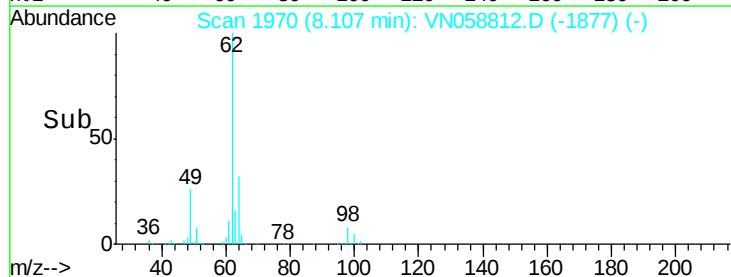
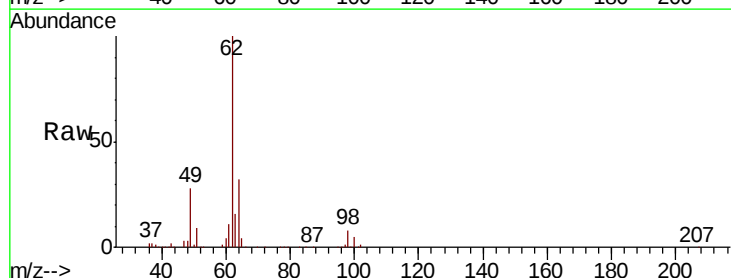
Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MSD

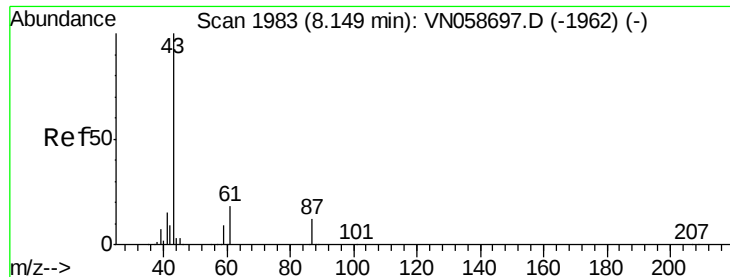
Tot Ion: 41 Resp: 165255
Ion Ratio Lower Upper
41 100
39 51.7 115.4 173.2#
67 75.4 0.0 0.0#
52 34.2 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 52.977 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Tgt Ion: 62 Resp: 351830
Ion Ratio Lower Upper
62 100
98 7.9 0.0 15.8





#43

Isopropyl Acetate

Concen: 53.424 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0006MSD

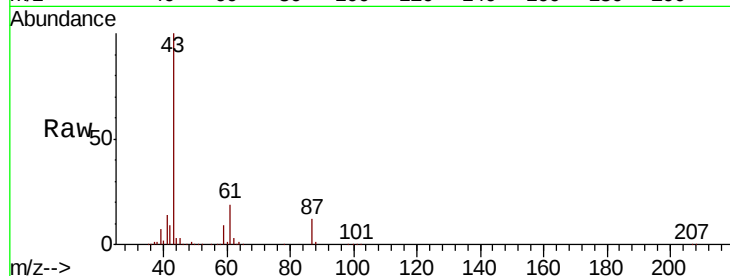
Tot Ion: 43 Resp: 553991

Ion Ratio Lower Upper

43 100

61 25.0 20.3 30.5

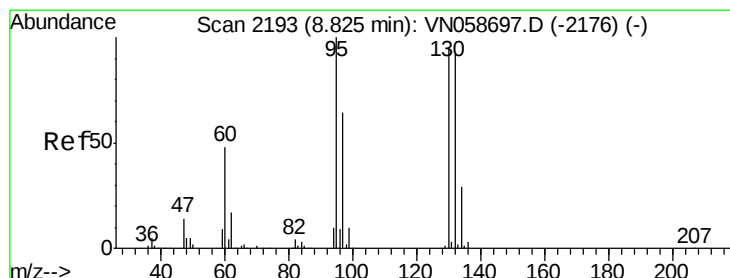
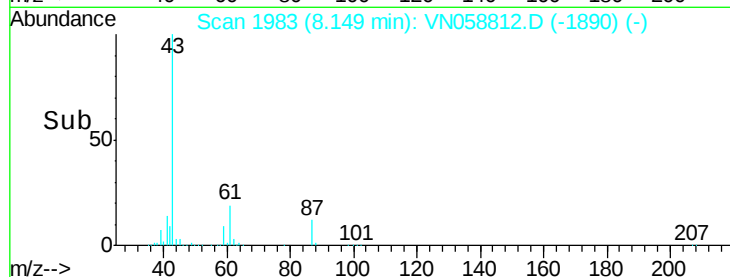
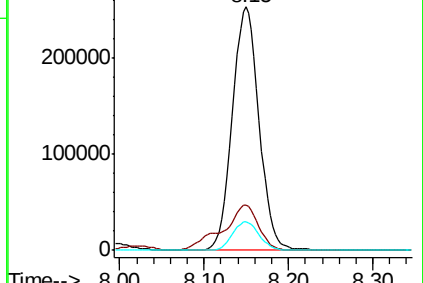
87 11.8 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN058812.D (-1890) (-)

Ion 61.00 (60.70 to 61.70): VN058812.D (-1890) (-)

Ion 87.00 (86.70 to 87.70): VN058812.D (-1890) (-)



#44

Trichloroethene

Concen: 52.485 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058812.D

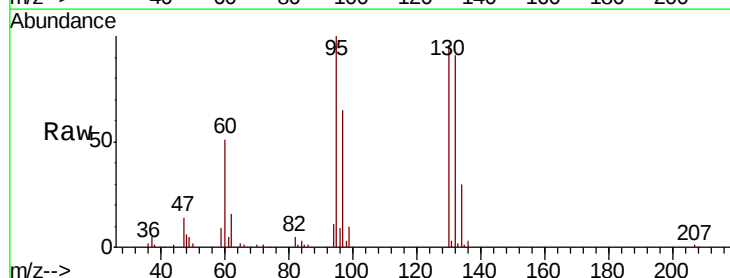
Acq: 16 Oct 2019 19:08

Tgt Ion: 130 Resp: 225302

Ion Ratio Lower Upper

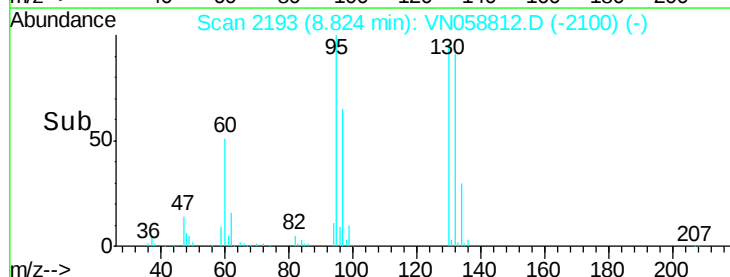
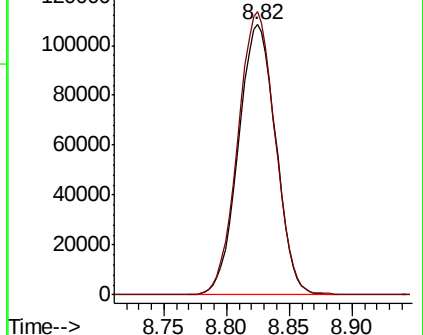
130 100

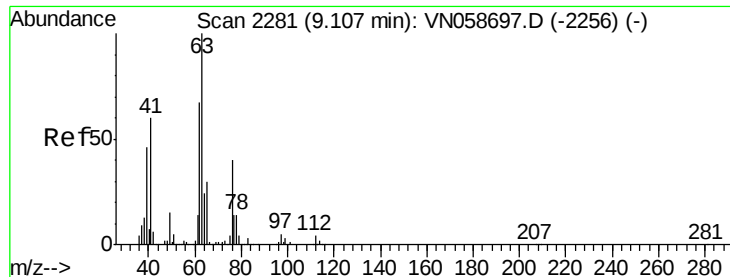
95 104.6 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): VN058812.D (-2100) (-)

Ion 94.90 (94.60 to 95.60): VN058812.D (-2100) (-)

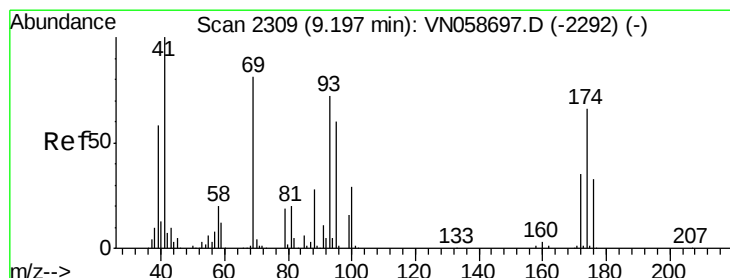
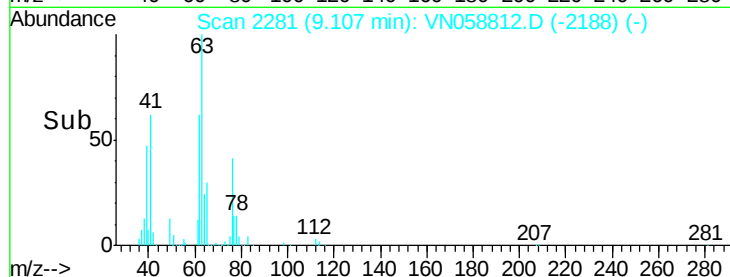
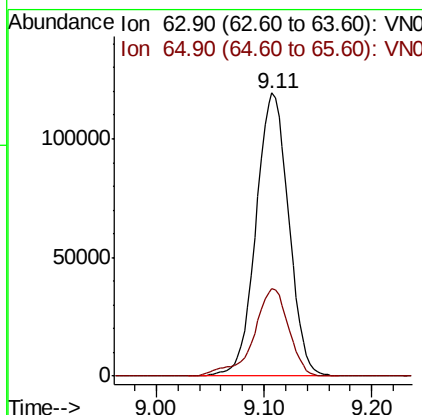
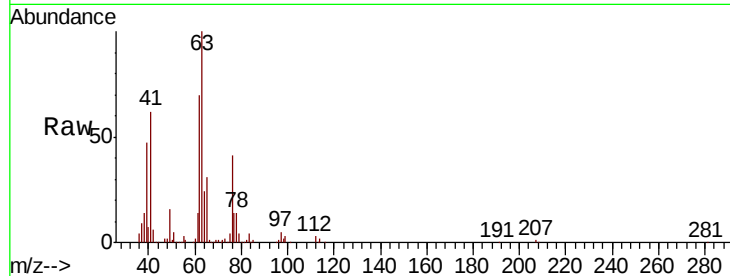




#45
 1,2-Dichloropropane
 Concen: 54.238 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058812.D
 Acq: 16 Oct 2019 19:08

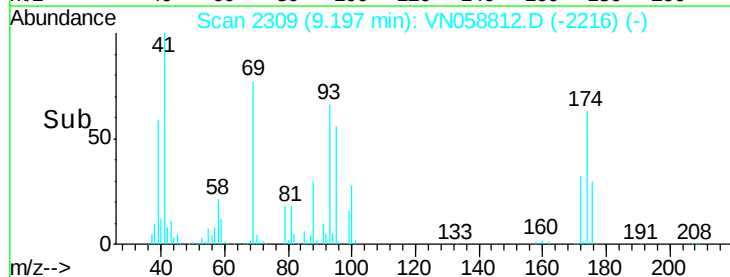
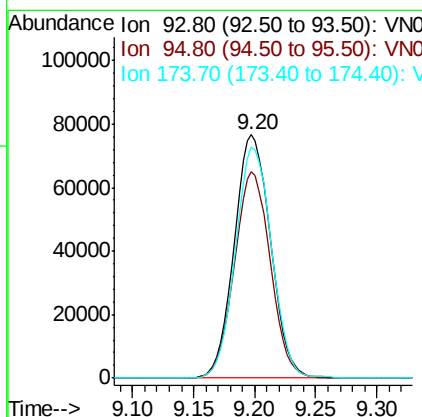
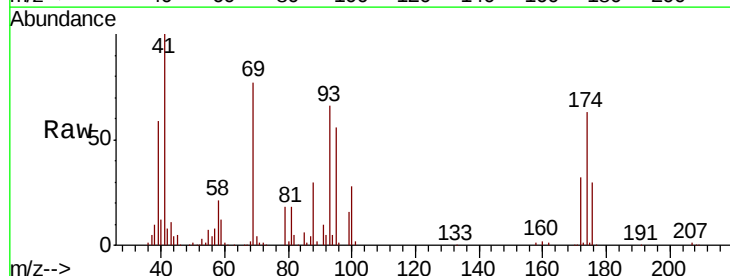
Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0006MSD

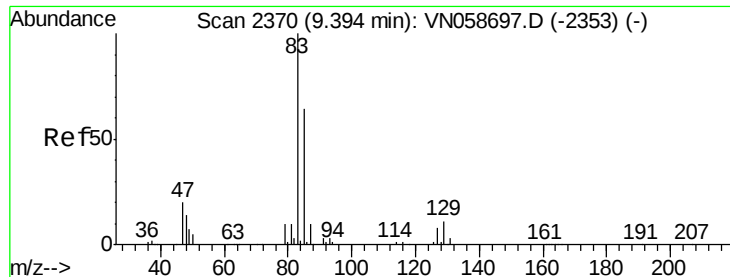
Tot Ion: 63 Resp: 250990
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.1 36.1



#46
 Dibromomethane
 Concen: 53.968 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058812.D
 Acq: 16 Oct 2019 19:08

Tgt Ion: 93 Resp: 158338
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.6 100.0
 174 94.5 75.2 112.8





#47

Bromodichloromethane

Concen: 55.558 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0006MSD

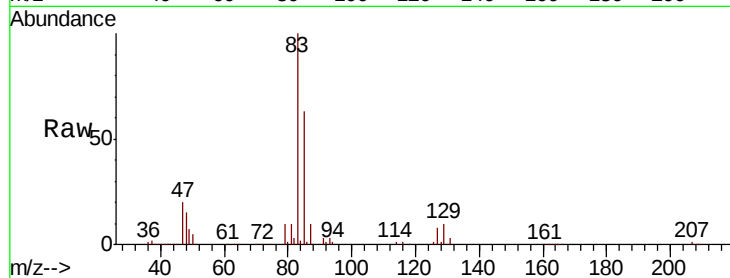
Tot Ion: 83 Resp: 331927

Ion Ratio Lower Upper

83 100

85 63.0 50.9 76.3

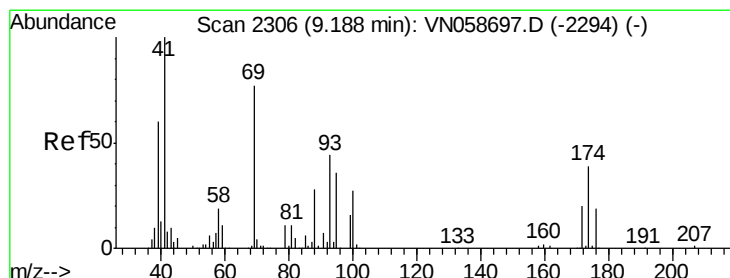
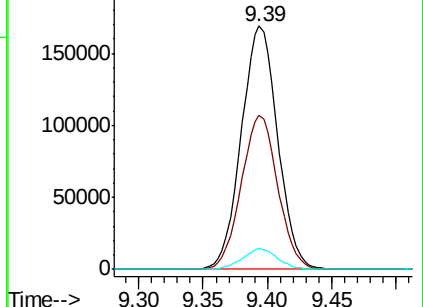
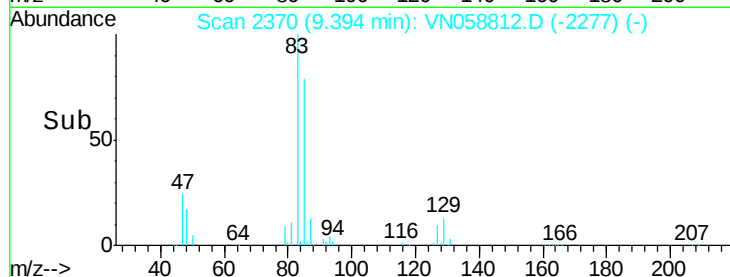
127 8.4 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN058812.D (-2277) (-)

Ion 84.90 (84.60 to 85.60): VN058812.D (-2277) (-)

Ion 126.80 (126.50 to 127.50): VN058812.D (-2277) (-)



#48

Methyl methacrylate

Concen: 55.781 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

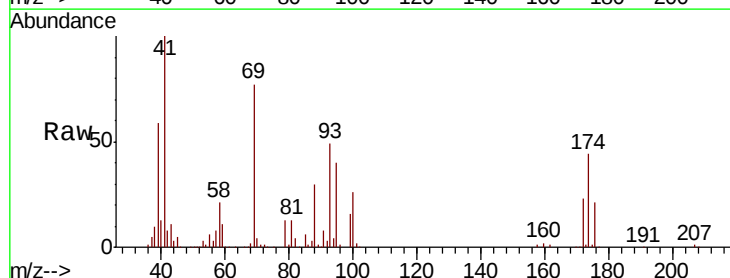
Tgt Ion: 41 Resp: 262197

Ion Ratio Lower Upper

41 100

69 78.6 63.4 95.2

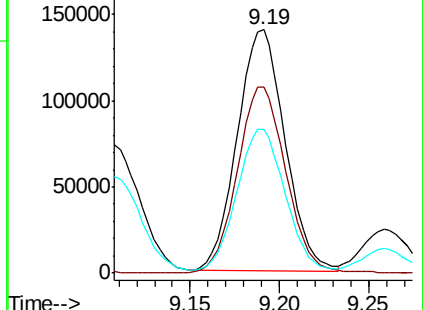
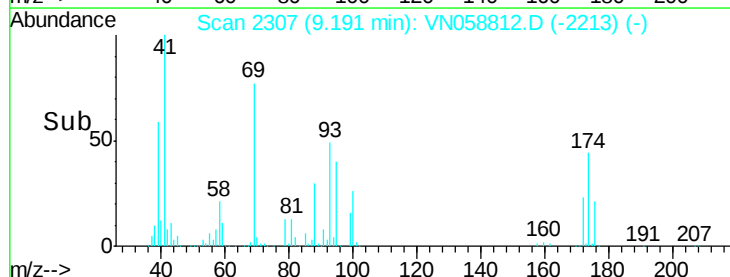
39 60.9 48.9 73.3

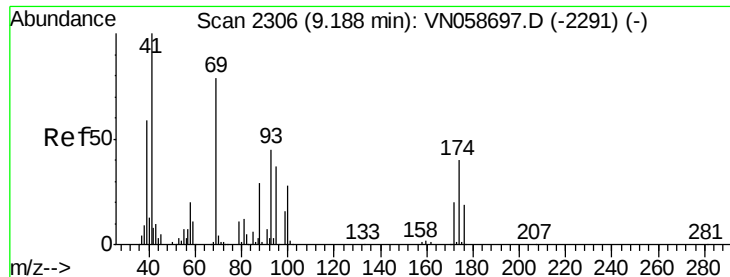


Abundance Ion 41.00 (40.70 to 41.70): VN058812.D (-2213) (-)

Ion 69.00 (68.70 to 69.70): VN058812.D (-2213) (-)

Ion 39.00 (38.70 to 39.70): VN058812.D (-2213) (-)





#49

1,4-Dioxane

Concen: 1172.983 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0006MSD

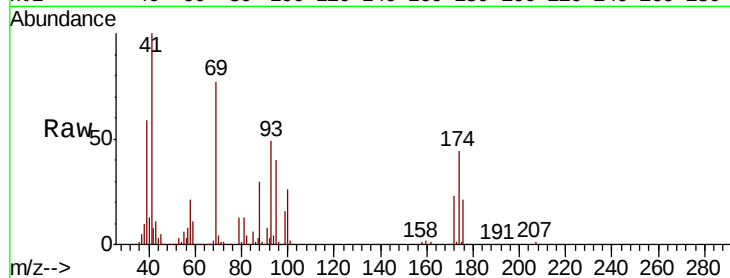
Tot Ion: 88 Resp: 85298

Ion Ratio Lower Upper

88 100

43 36.2 28.6 43.0

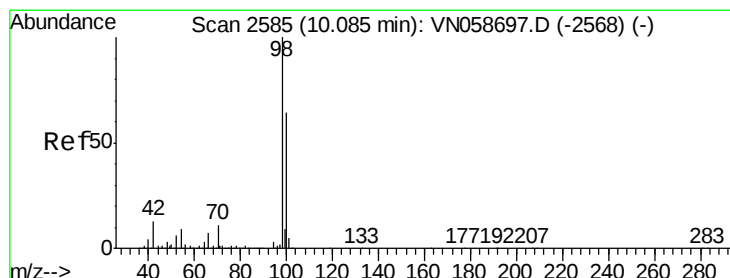
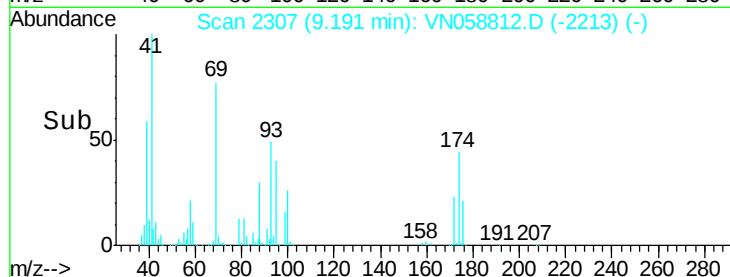
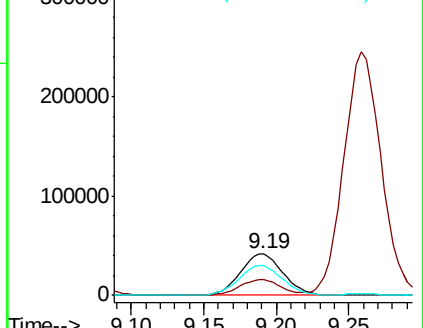
58 73.8 57.2 85.8



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 53.544 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058812.D

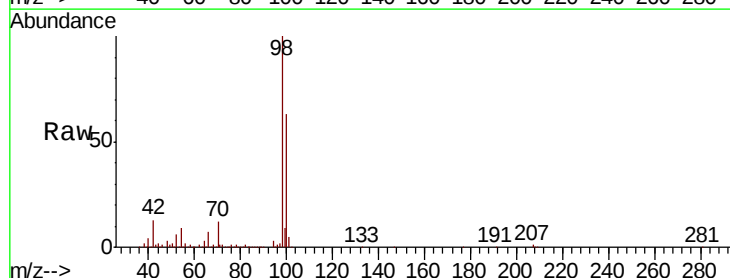
Acq: 16 Oct 2019 19:08

Tgt Ion: 98 Resp: 787307

Ion Ratio Lower Upper

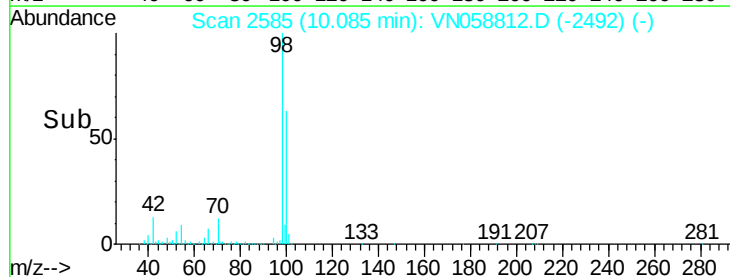
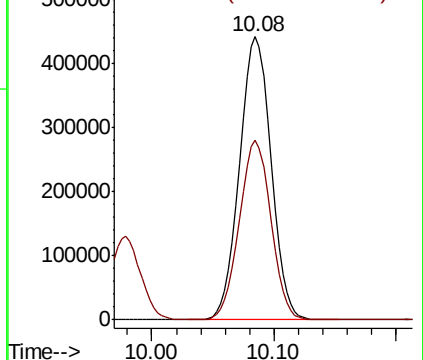
98 100

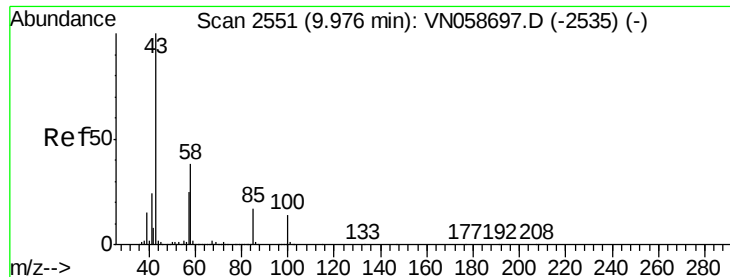
100 63.7 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 298.991 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

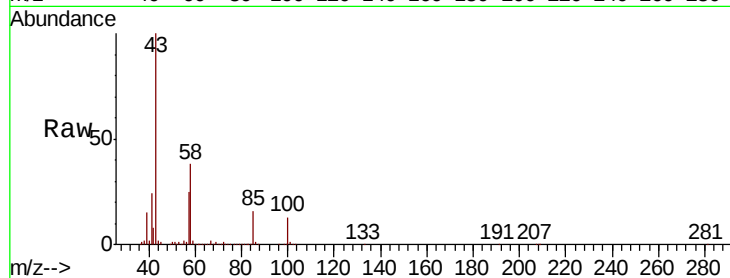
FA19-MMW0006MSD

Tot Ion: 43 Resp: 1741250

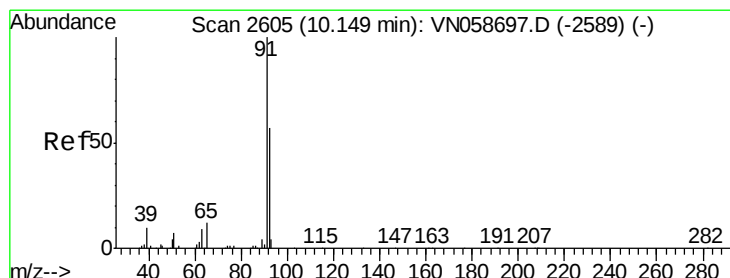
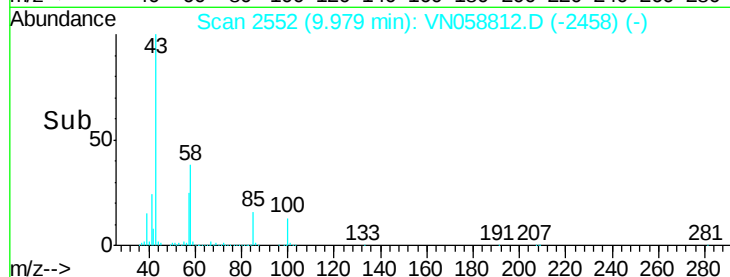
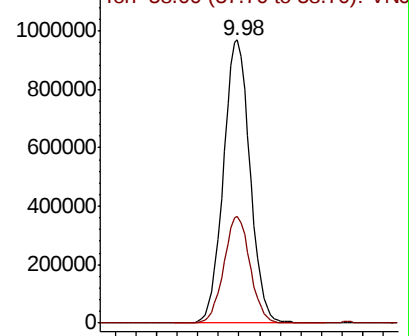
Ion Ratio Lower Upper

43 100

58 37.2 30.3 45.5



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



#52

Toluene

Concen: 53.010 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058812.D

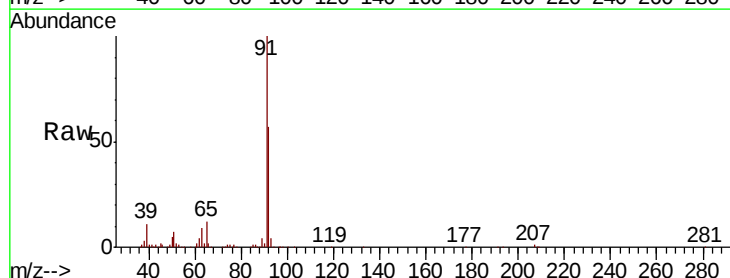
Acq: 16 Oct 2019 19:08

Tgt Ion: 92 Resp: 560455

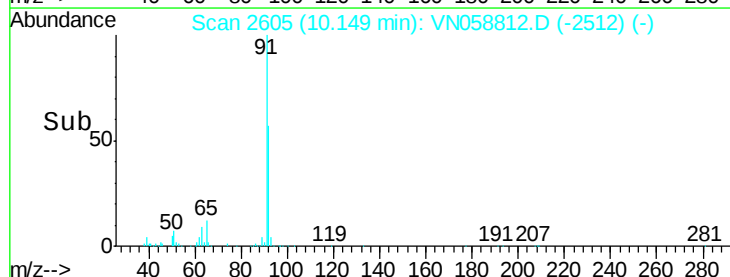
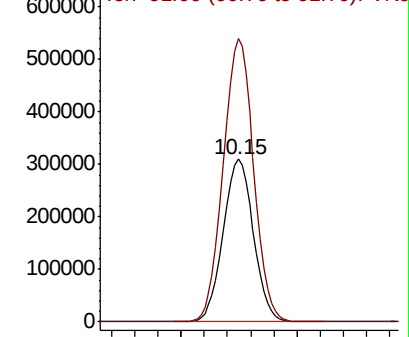
Ion Ratio Lower Upper

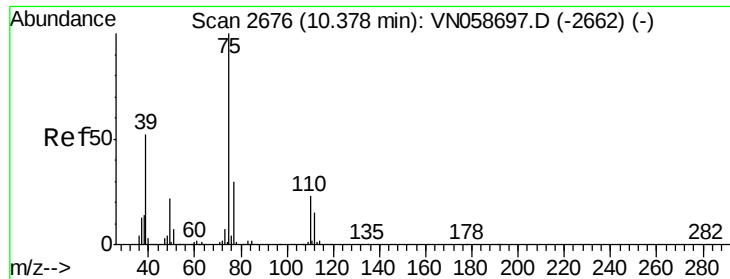
92 100

91 175.0 139.1 208.7



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





#53

t-1,3-Dichloropropene

Concen: 53.767 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

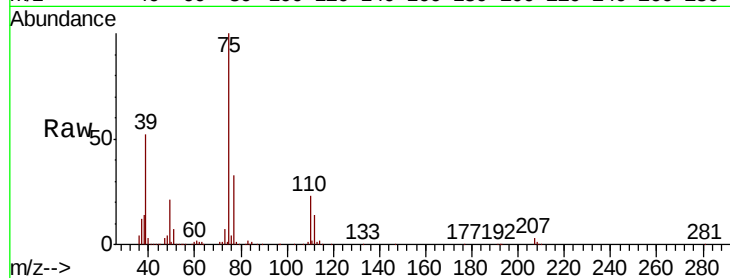
FA19-MMW0006MSD

Tot Ion: 75 Resp: 368428

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

10.38

250000

200000

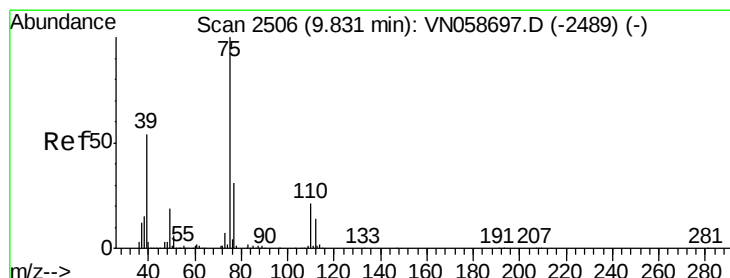
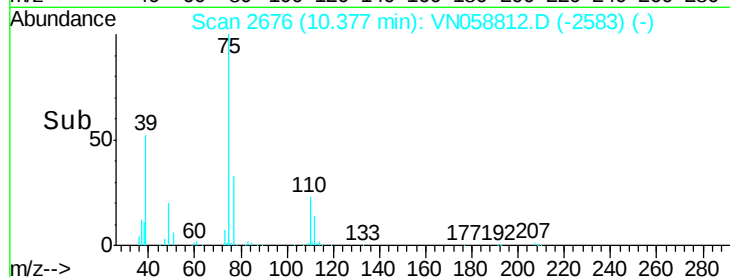
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.887 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

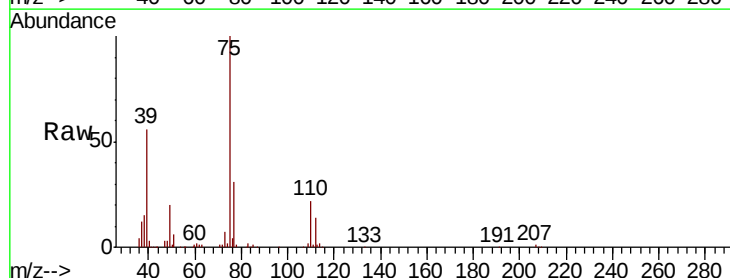
Tgt Ion: 75 Resp: 384774

Ion Ratio Lower Upper

75 100

77 31.2 24.4 36.6

39 55.5 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

9.83

250000

200000

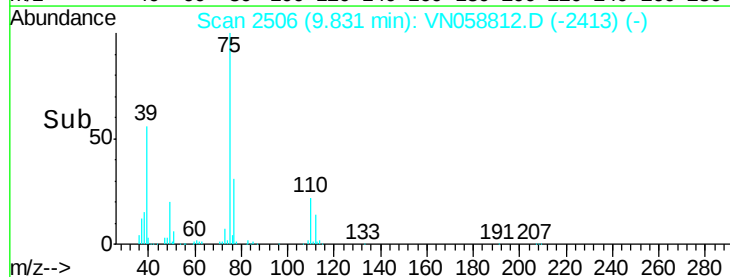
150000

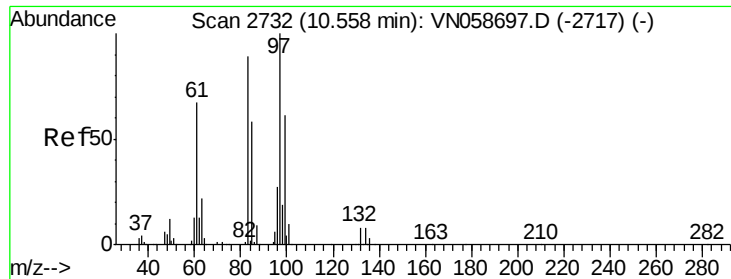
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 51.960 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

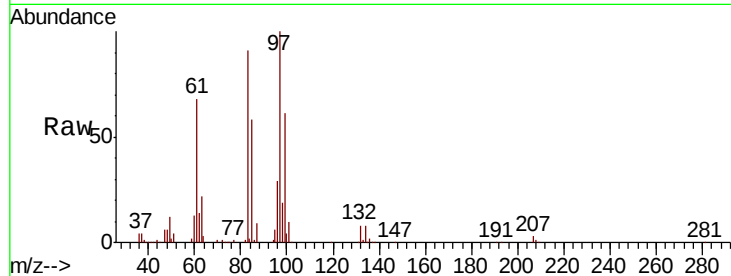
MSVOA_N

ClientSampleId :

FA19-MMW0006MSD

Tot Ion: 97 Resp: 224846

Ion	Ratio	Lower	Upper
97	100		
83	90.9	71.2	106.8
85	57.6	46.7	70.1
99	61.4	49.0	73.6



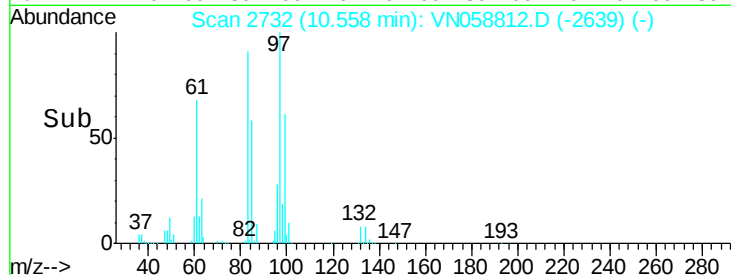
Abundance

Ion 96.90 (96.60 to 97.60): VN0

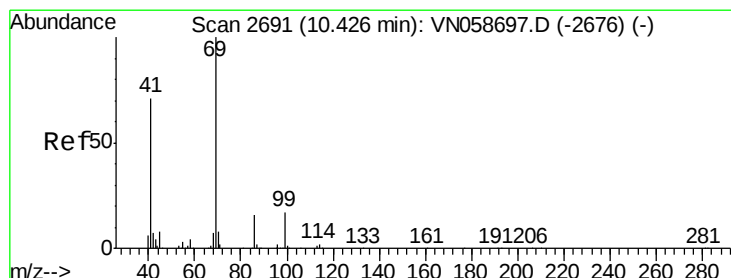
Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



Time-->



#56

Ethyl methacrylate

Concen: 56.418 ug/l

RT: 10.43 min Scan# 2691

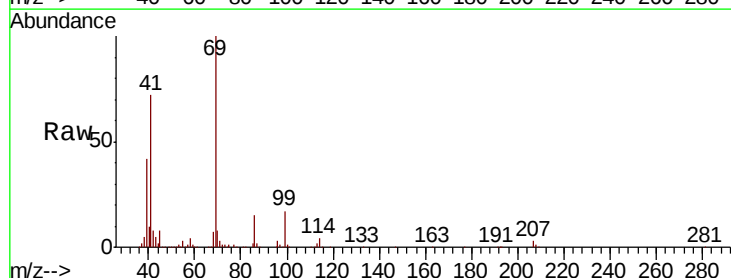
Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Tgt Ion: 69 Resp: 356667

Ion	Ratio	Lower	Upper
69	100		
41	71.4	56.8	85.2
39	41.0	32.5	48.7

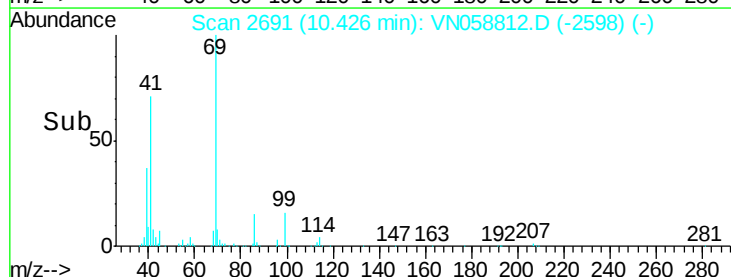


Abundance

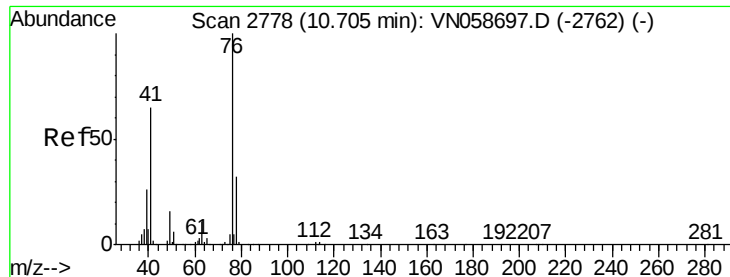
Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->



#57

1,3-Dichloropropane

Concen: 54.187 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

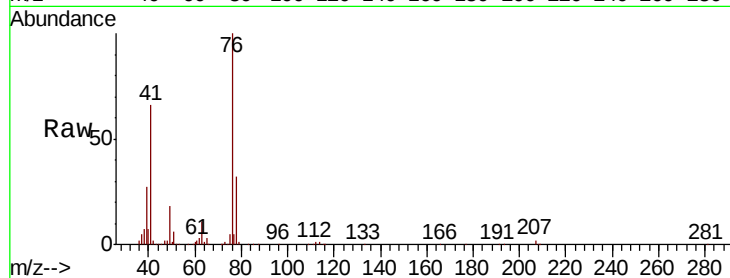
FA19-MMW0006MSD

Tot Ion: 76 Resp: 399575

Ion Ratio Lower Upper

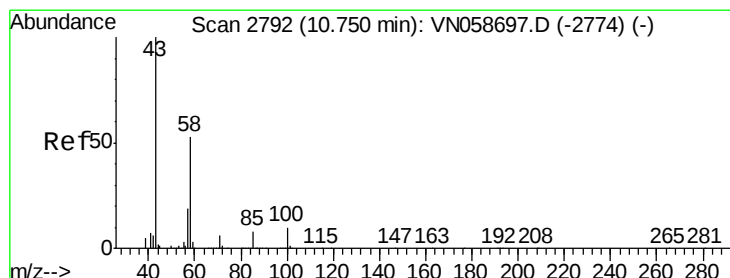
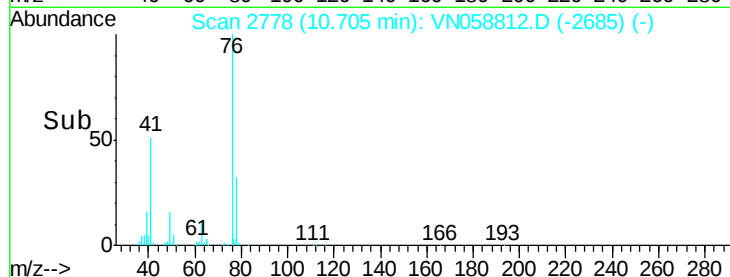
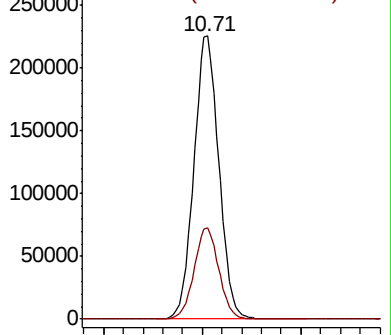
76 100

78 32.0 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 287.084 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN058812.D

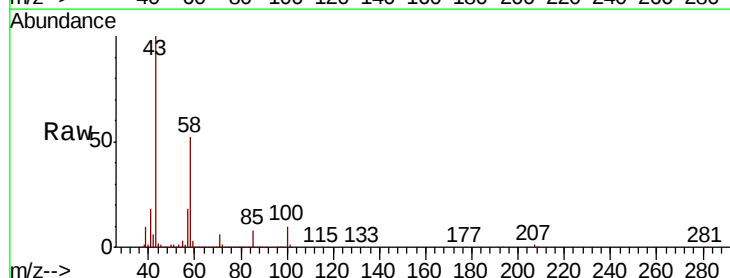
Acq: 16 Oct 2019 19:08

Tgt Ion: 43 Resp: 1292055

Ion Ratio Lower Upper

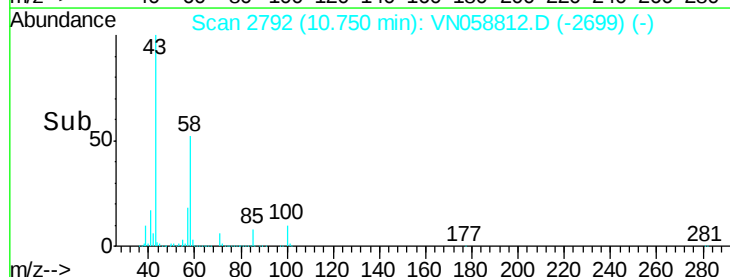
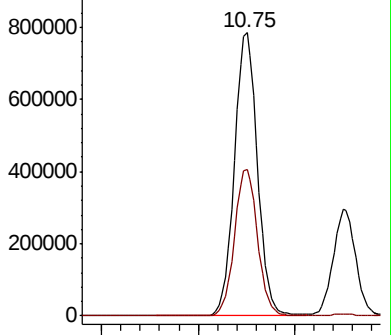
43 100

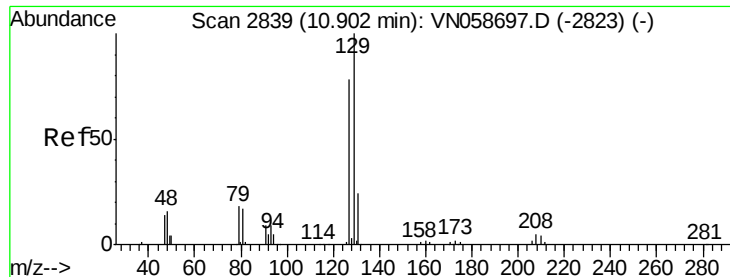
58 52.1 26.1 78.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#60

Dibromochloromethane

Concen: 55.172 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

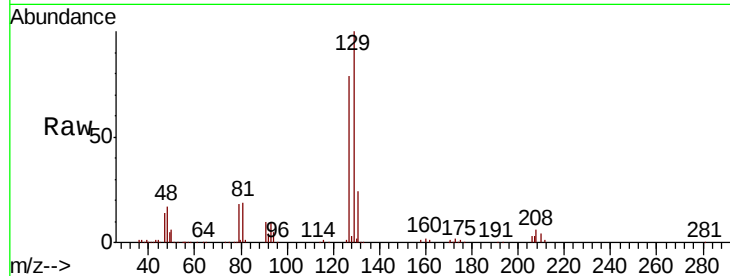
FA19-MMW0006MSD

Tot Ion:129 Resp: 246283

Ion Ratio Lower Upper

129 100

127 78.5 38.5 115.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.90

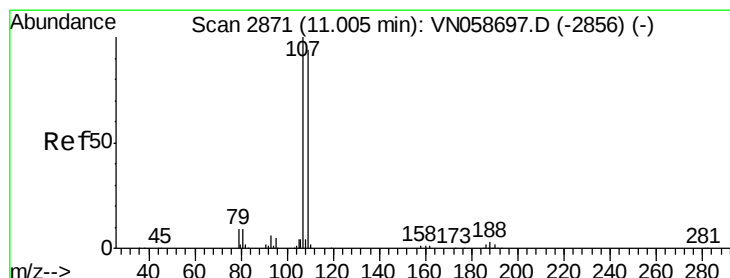
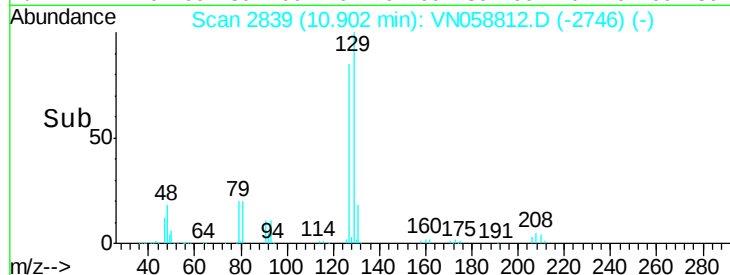
150000

100000

50000

0

Time--> 10.80 10.90 11.00



#61

1,2-Dibromoethane

Concen: 53.779 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN058812.D

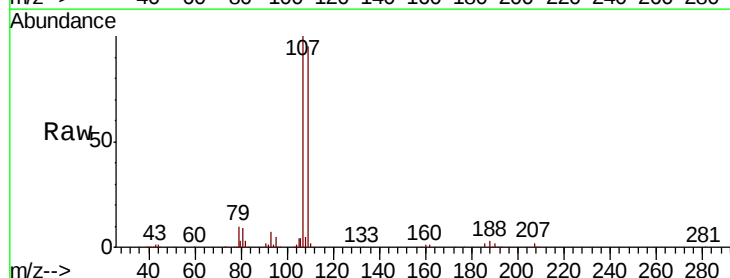
Acq: 16 Oct 2019 19:08

Tgt Ion:107 Resp: 233143

Ion Ratio Lower Upper

107 100

109 94.6 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

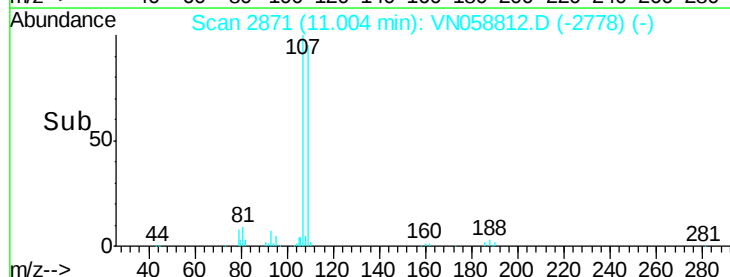
150000

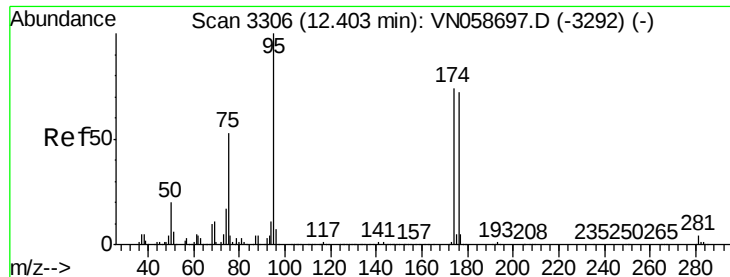
100000

50000

0

Time--> 10.90 11.00 11.10





#62

4-Bromofluorobenzene

Concen: 52.482 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0006MSD

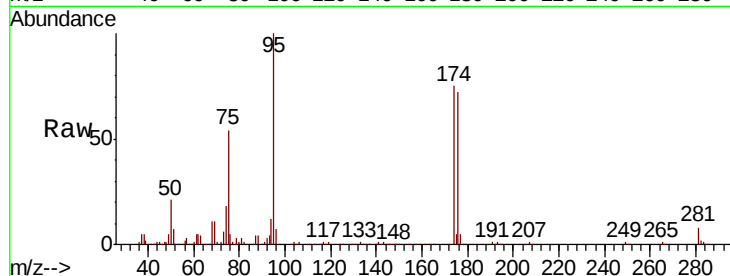
Tot Ion: 95 Resp: 292107

Ion Ratio Lower Upper

95 100

174 75.8 0.0 150.4

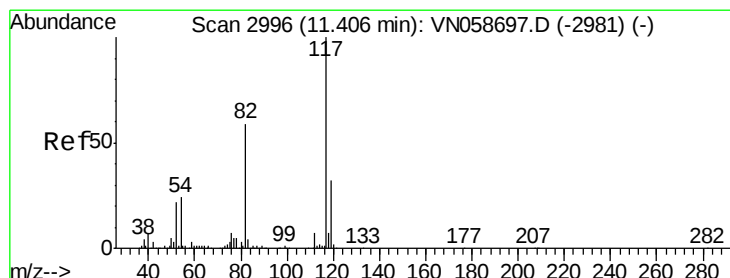
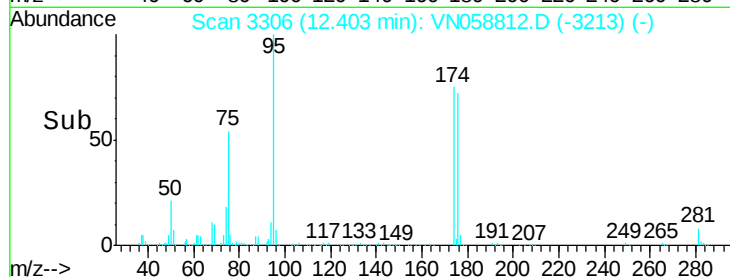
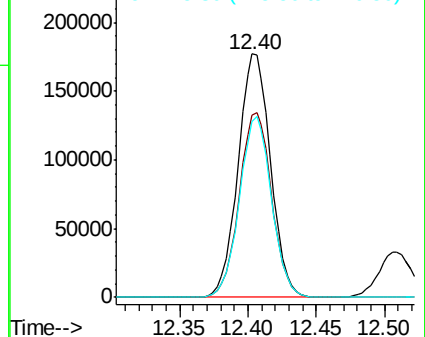
176 73.3 0.0 146.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

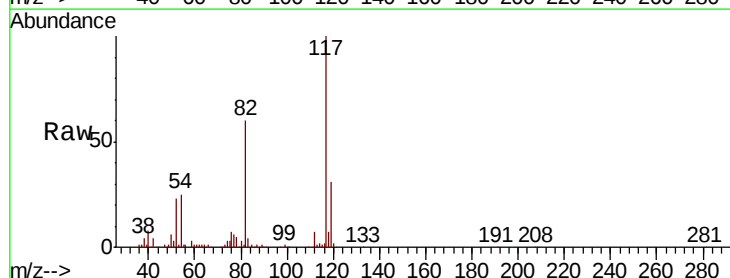
Tgt Ion: 117 Resp: 550561

Ion Ratio Lower Upper

117 100

82 59.6 47.0 70.4

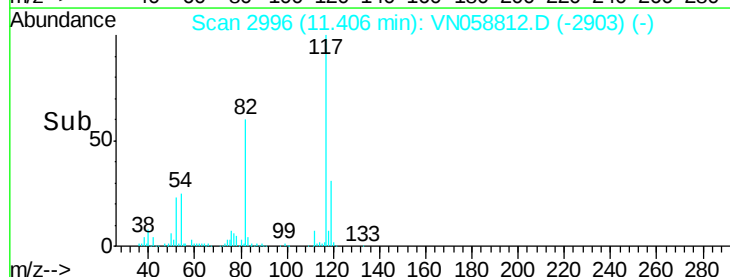
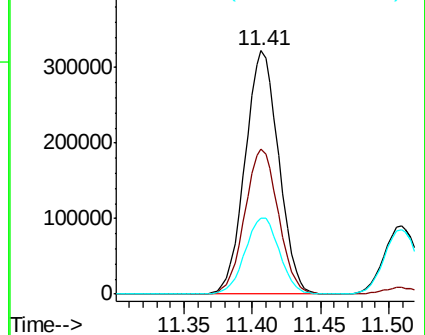
119 31.4 25.4 38.2

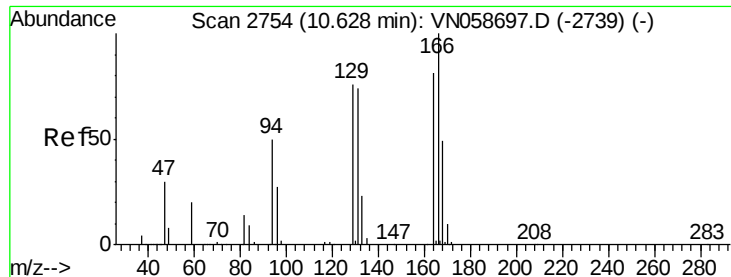


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

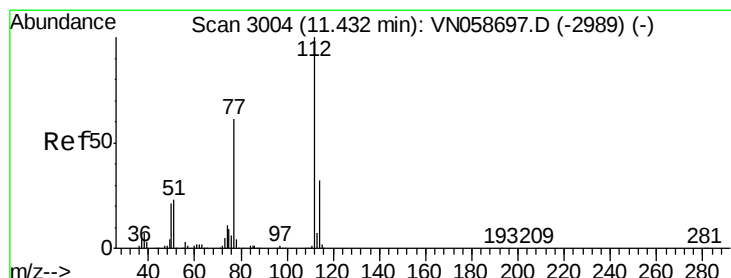
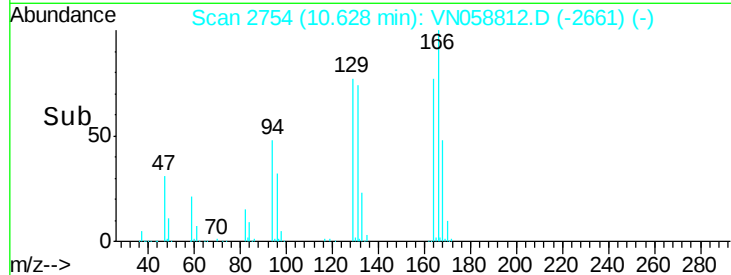
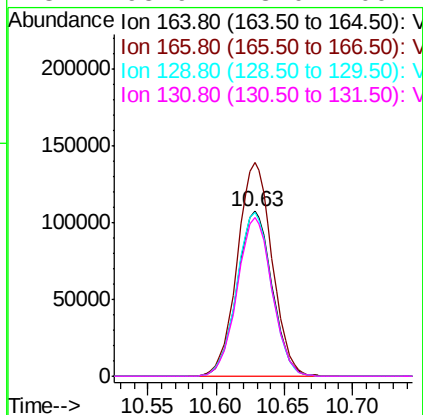
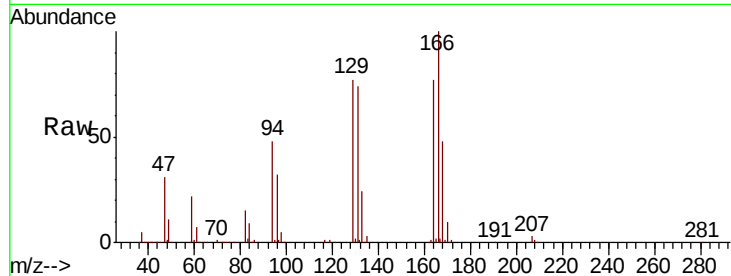




#64
Tetrachloroethene
Concen: 49.557 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

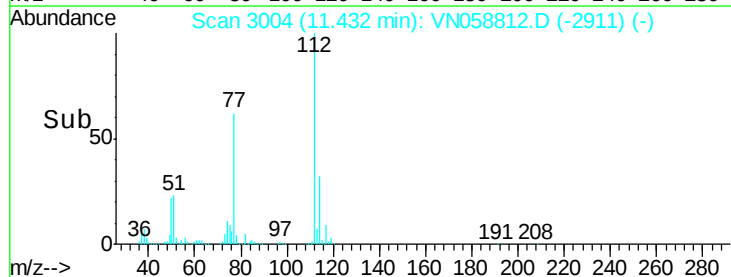
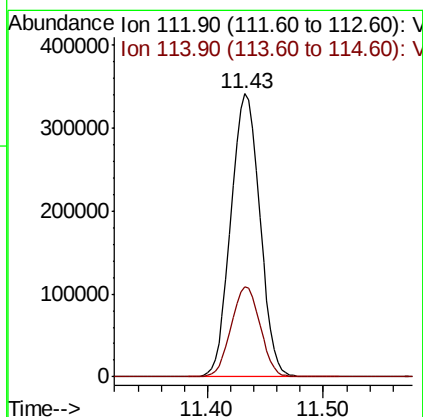
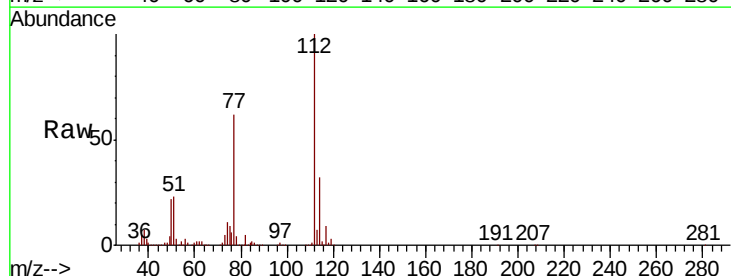
Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MSD

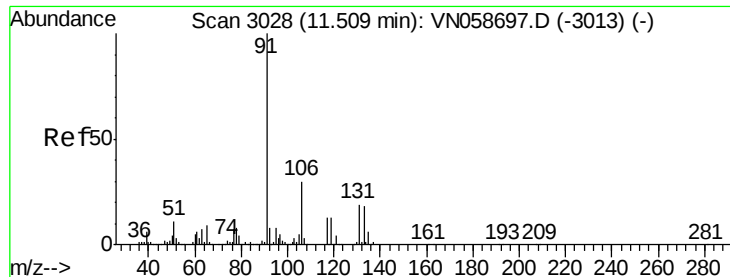
Tot Ion:164 Resp: 190942
Ion Ratio Lower Upper
164 100
166 129.5 99.3 148.9
129 99.1 75.2 112.8
131 95.9 73.0 109.4



#65
Chlorobenzene
Concen: 52.835 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Tgt Ion:112 Resp: 590729
Ion Ratio Lower Upper
112 100
114 31.9 25.2 37.8





#66

1,1,1,2-Tetrachloroethane

Concen: 54.734 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0006MSD

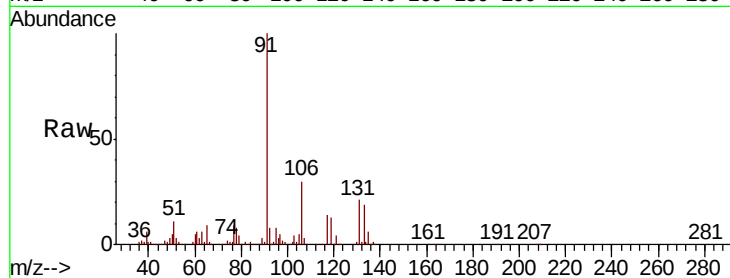
Tot Ion:131 Resp: 226292

Ion Ratio Lower Upper

131 100

133 95.3 47.6 142.9

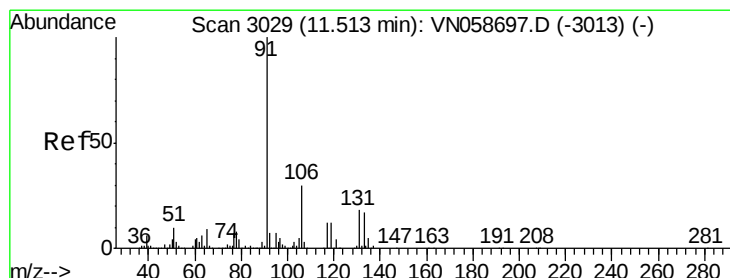
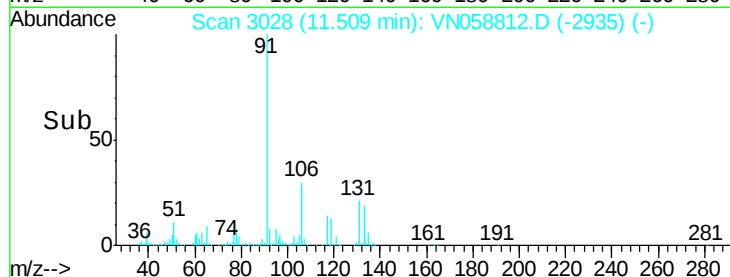
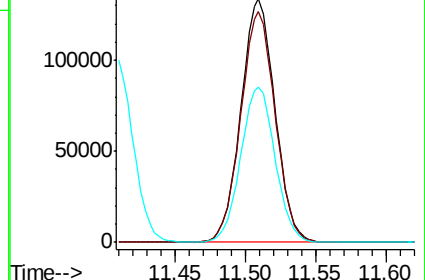
119 64.6 33.0 98.9



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 54.829 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058812.D

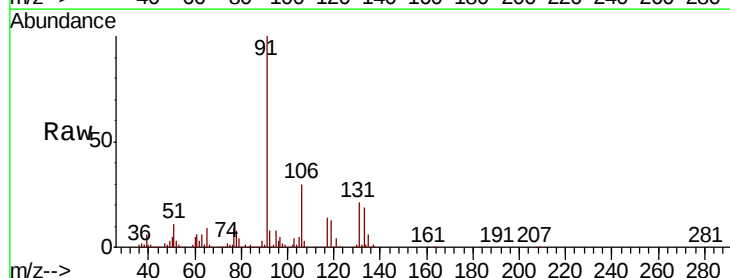
Acq: 16 Oct 2019 19:08

Tgt Ion: 91 Resp: 1092770

Ion Ratio Lower Upper

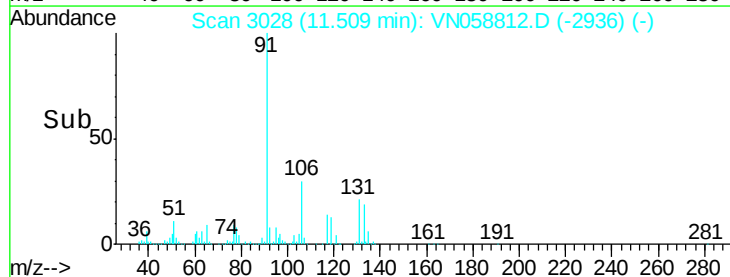
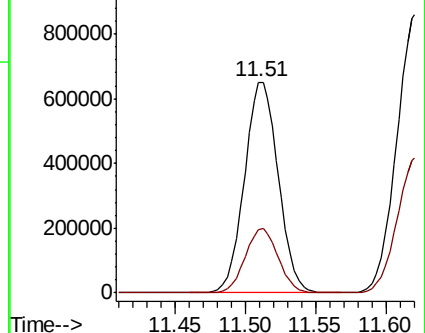
91 100

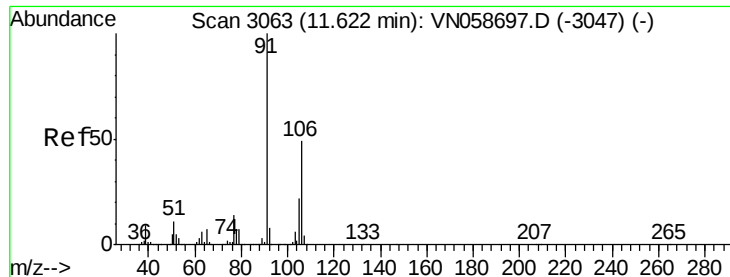
106 30.1 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

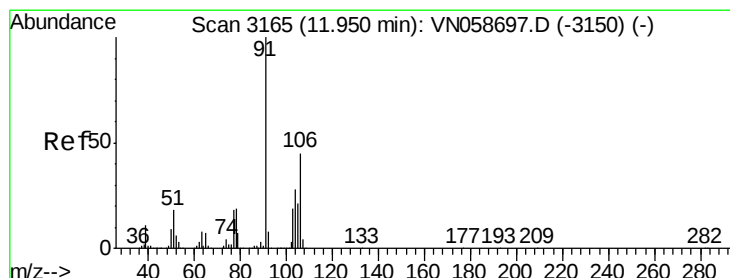
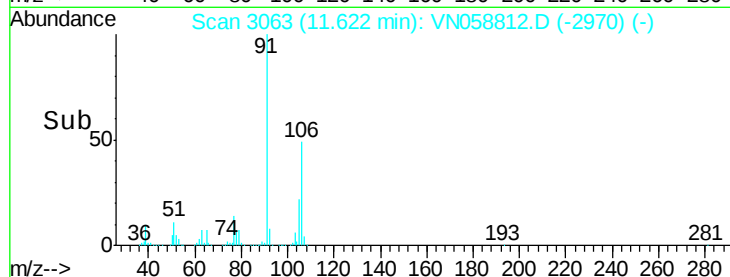
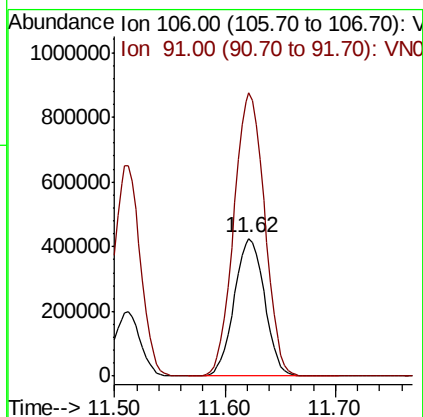
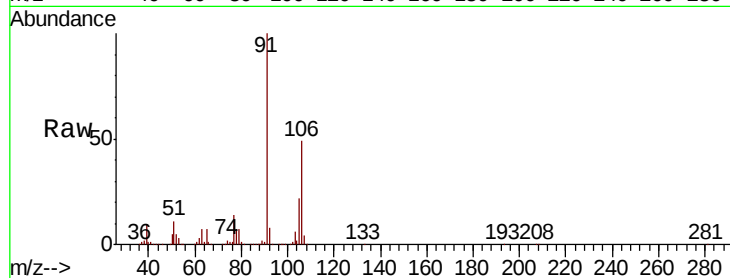




#68
m/p-Xylenes
Concen: 108.385 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

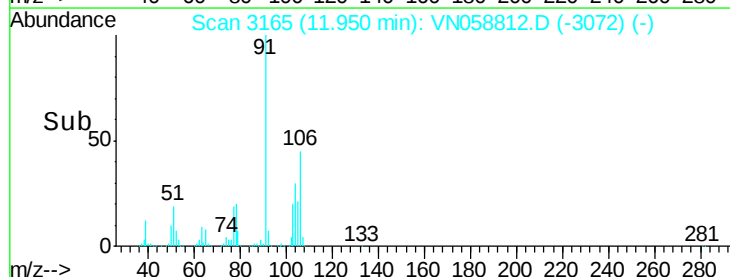
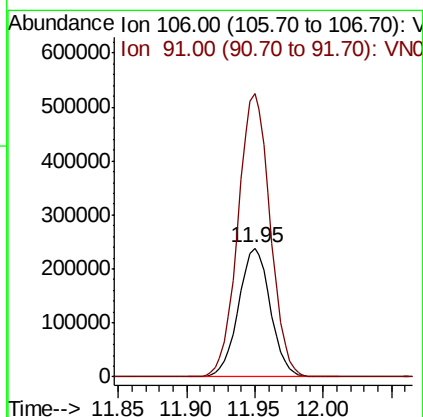
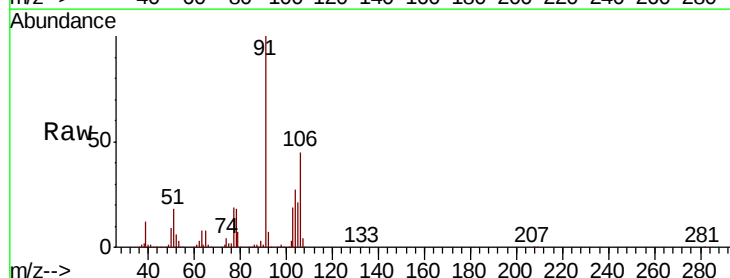
Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MSD

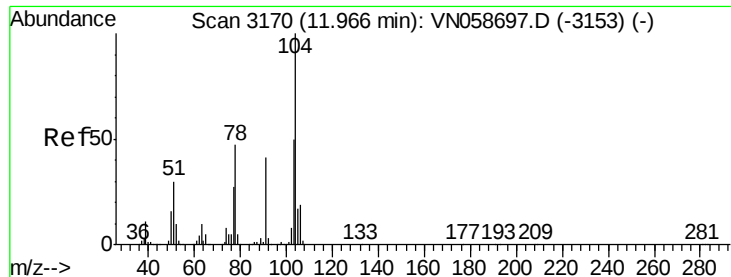
Tot Ion:106 Resp: 810656
Ion Ratio Lower Upper
106 100
91 208.4 165.7 248.5



#69
o-Xylene
Concen: 53.464 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Tgt Ion:106 Resp: 386894
Ion Ratio Lower Upper
106 100
91 221.9 110.9 332.9





#70

Stvrene

Concen: 54.485 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0006MSD

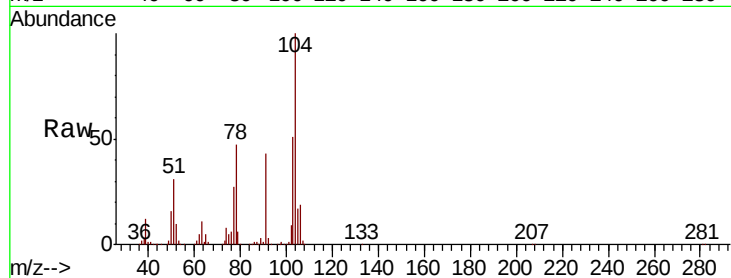
Tot Ion:104 Resp: 646222

Ion Ratio Lower Upper

104 100

78 53.2 42.2 63.2

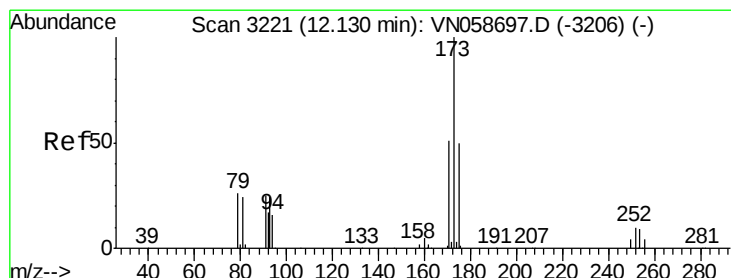
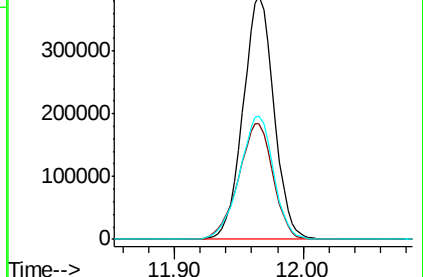
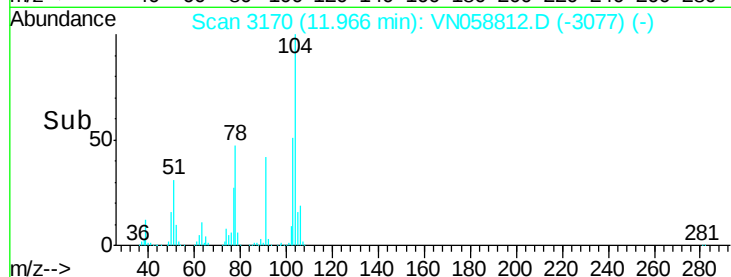
103 55.8 43.7 65.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 58.239 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

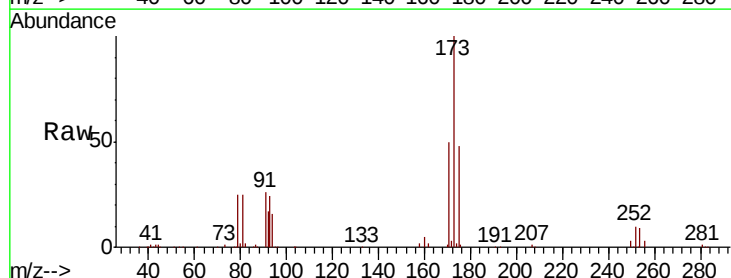
Tgt Ion:173 Resp: 176490

Ion Ratio Lower Upper

173 100

175 48.9 24.6 73.8

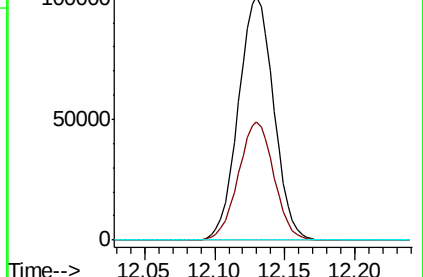
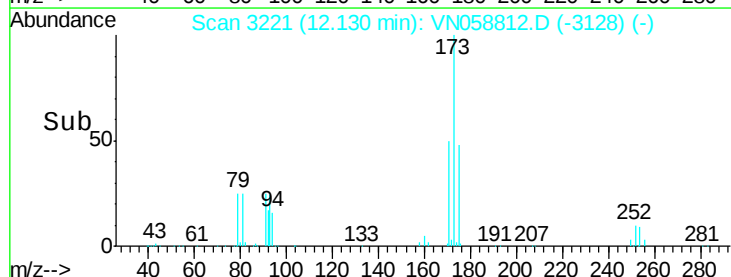
254 0.0 0.1 0.1#

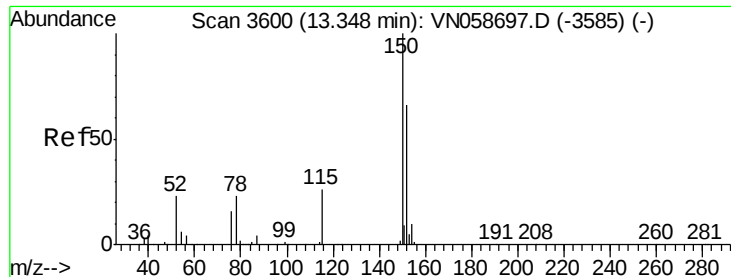


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0006MSD

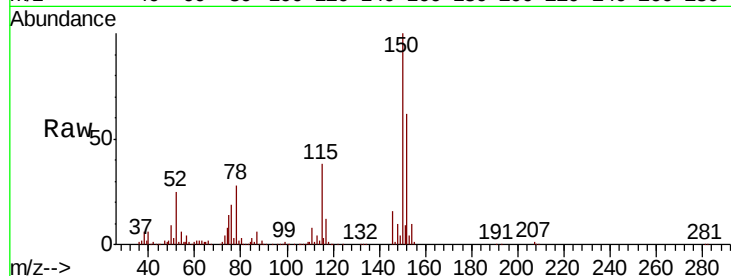
Tot Ion:152 Resp: 270567

Ion Ratio Lower Upper

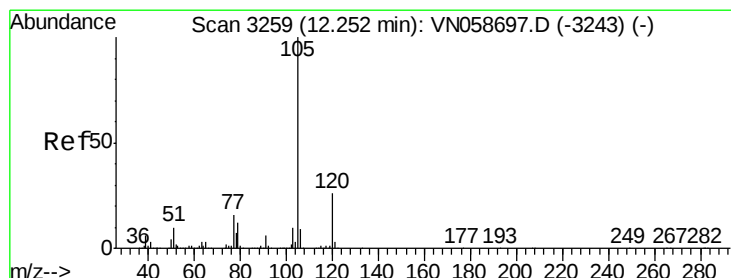
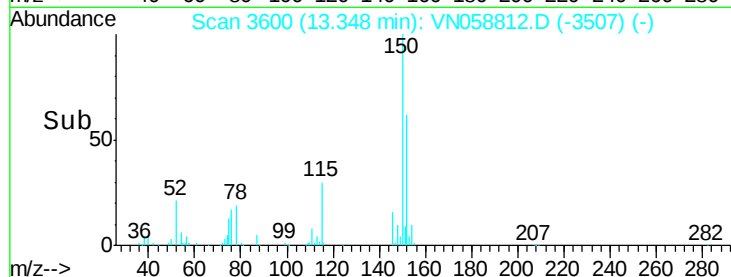
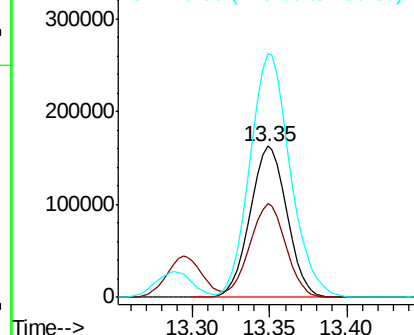
152 100

115 60.4 30.4 91.2

150 176.2 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: 54.313 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058812.D

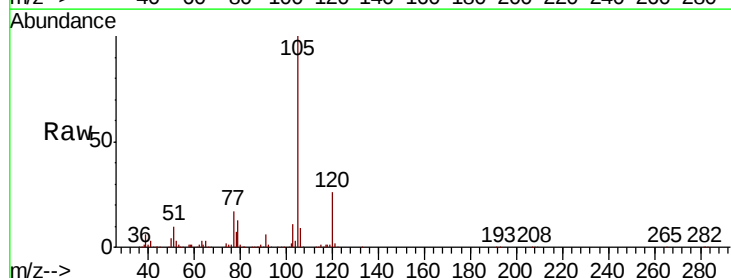
Acq: 16 Oct 2019 19:08

Tgt Ion:105 Resp: 1064262

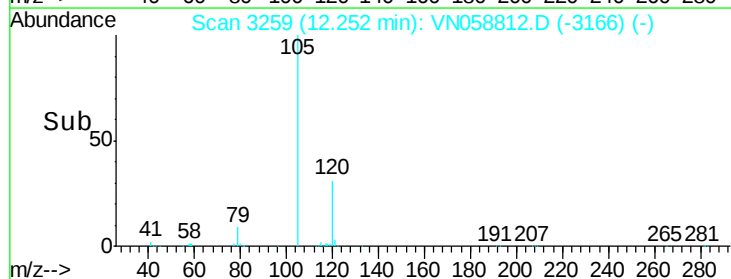
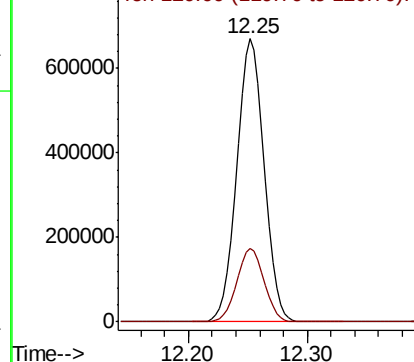
Ion Ratio Lower Upper

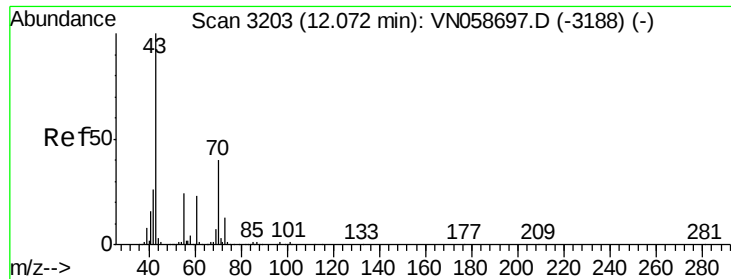
105 100

120 25.9 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-amvl acetate

Concen: 54.188 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

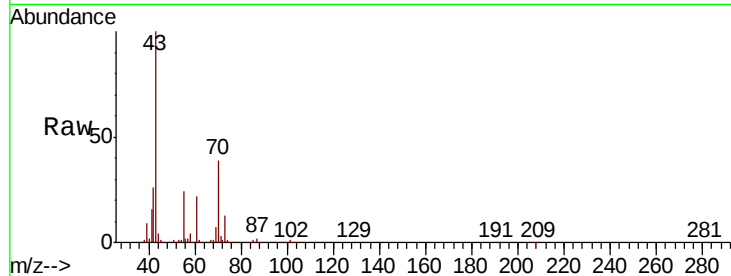
MSVOA_N

ClientSampleId :

FA19-MMW0006MSD

Tot Ion: 43 Resp: 476905

Ion	Ratio	Lower	Upper
43	100		
70	39.6	32.2	48.4
55	24.9	19.6	29.4
61	22.6	18.6	28.0

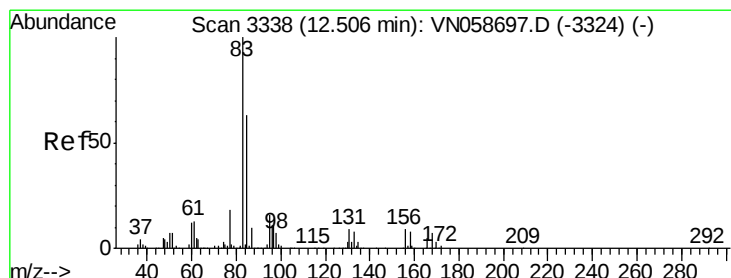
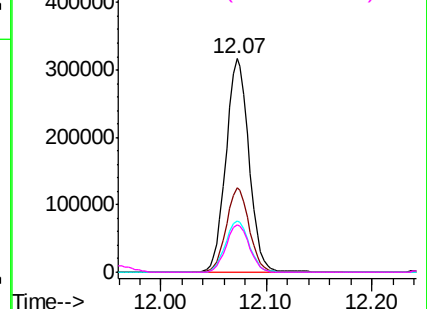
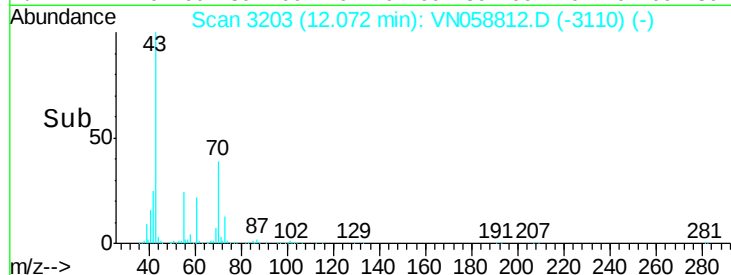


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 54.506 ug/l

RT: 12.51 min Scan# 3338

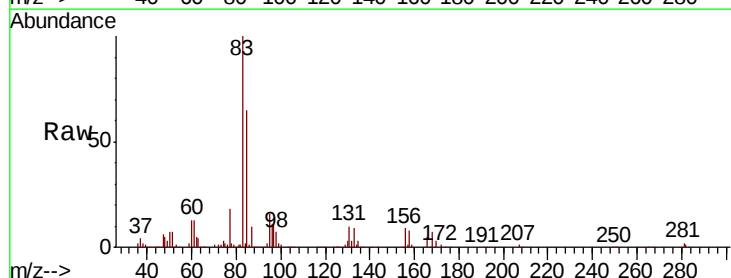
Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Tgt Ion: 83 Resp: 351851

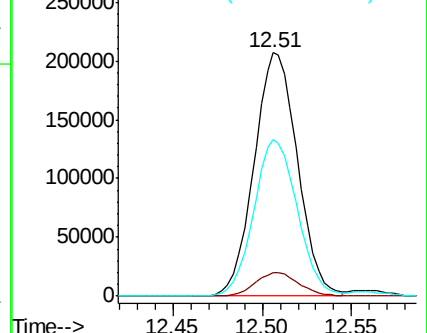
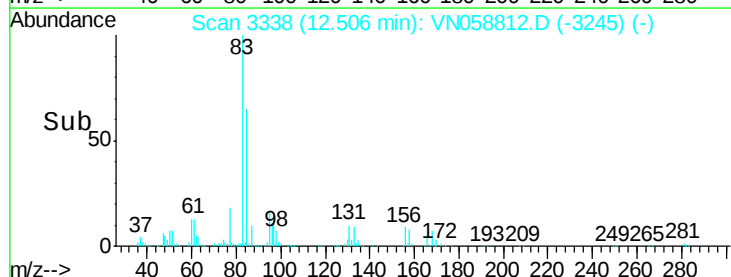
Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.8	14.4
85	64.5	31.9	95.5

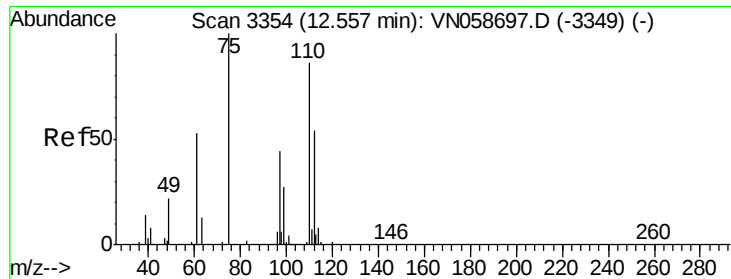


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0

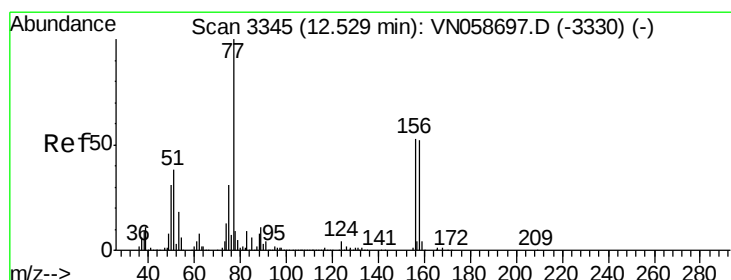
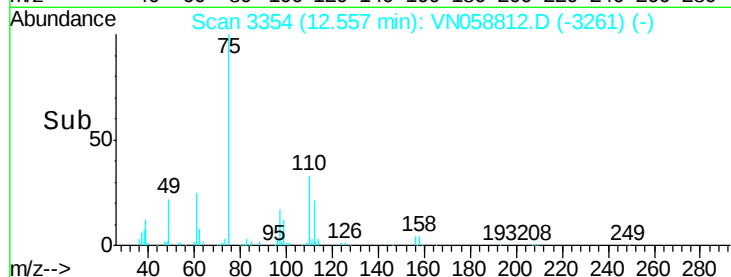
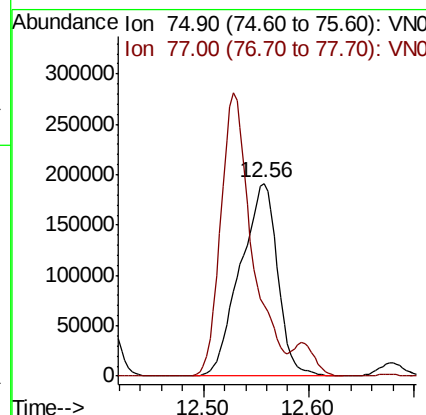
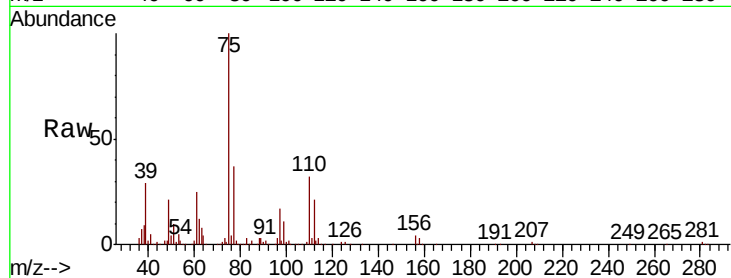




#76
1,2,3-Trichloropropane
Concen: 79.171 ug/l
RT: 12.56 min Scan# 3354
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

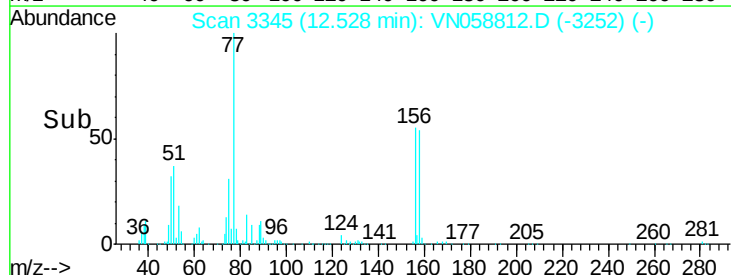
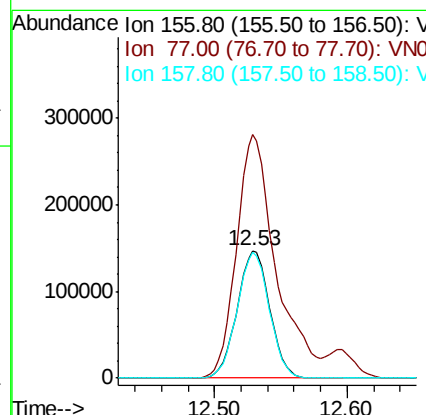
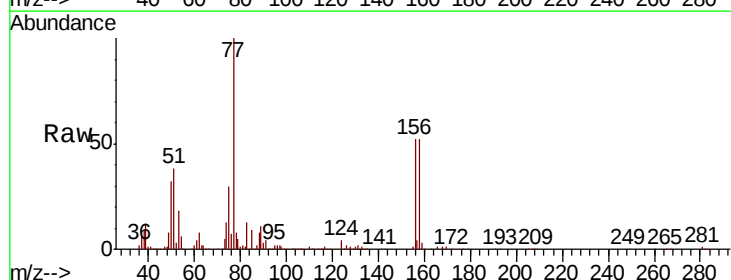
Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MSD

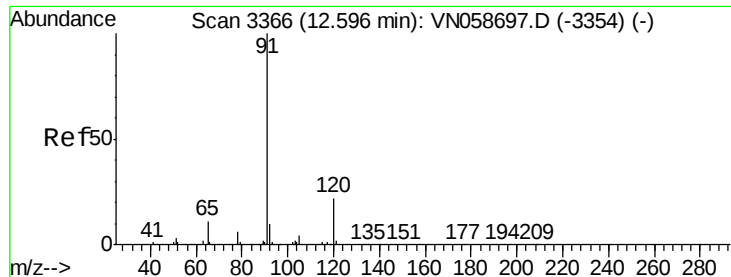
Tot Ion: 75 Resp: 469928
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#77
Bromobenzene
Concen: 52.498 ug/l
RT: 12.53 min Scan# 3345
Delta R.T. -0.00 min
Lab File: VN058812.D
Acq: 16 Oct 2019 19:08

Tgt Ion: 156 Resp: 250216
Ion Ratio Lower Upper
156 100
77 231.5 115.8 347.3
158 97.8 48.9 146.6





#78

n-propylbenzene

Concen: 55.234 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

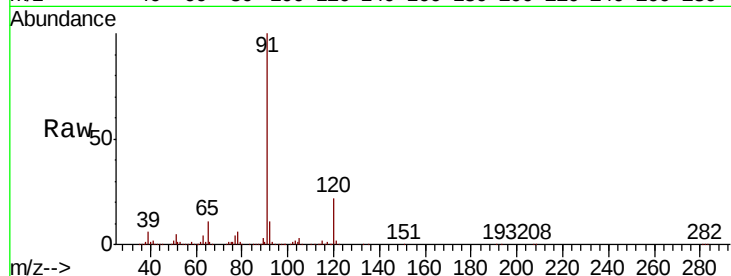
FA19-MMW0006MSD

Tot Ion: 91 Resp: 1261182

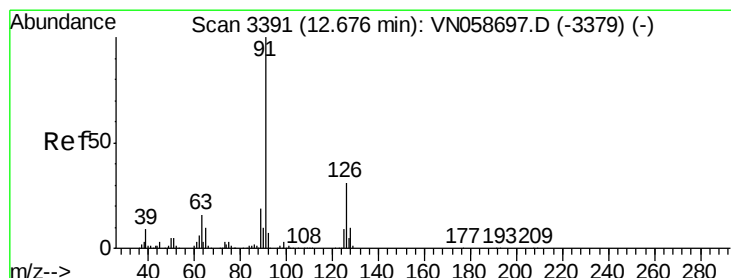
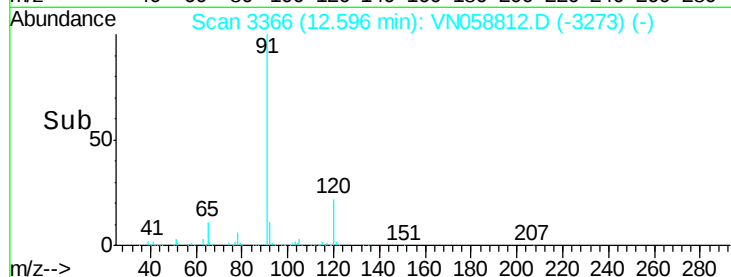
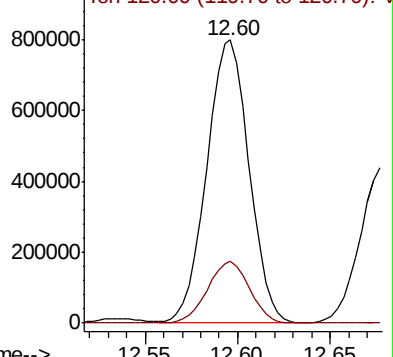
Ion Ratio Lower Upper

91 100

120 21.7 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN058812.D (-3273) (-)



#79

2-Chlorotoluene

Concen: 52.246 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058812.D

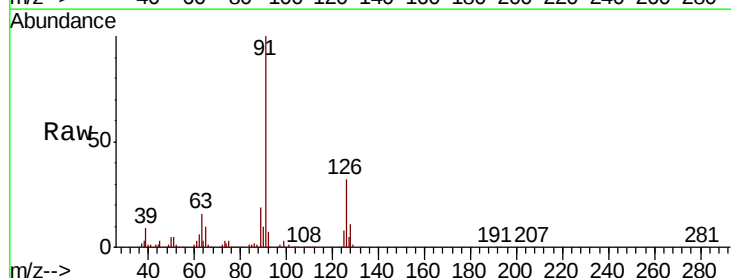
Acq: 16 Oct 2019 19:08

Tgt Ion: 91 Resp: 740439

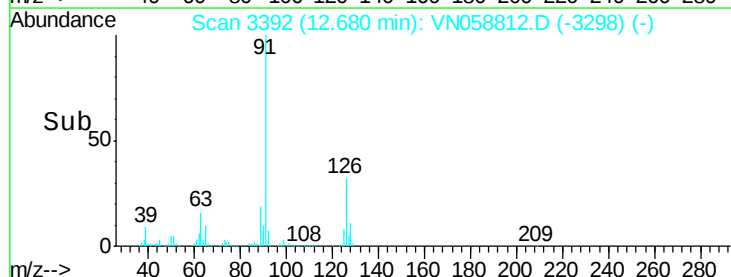
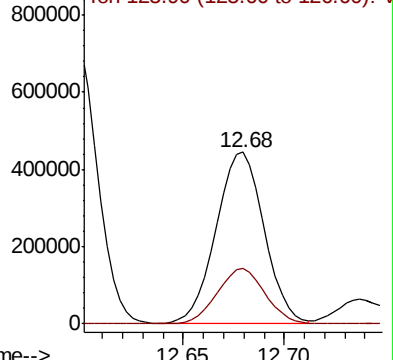
Ion Ratio Lower Upper

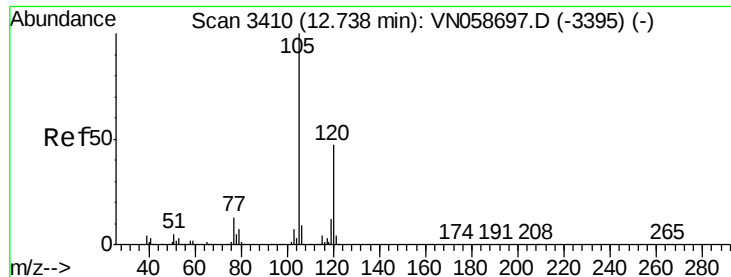
91 100

126 32.3 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VN058812.D (-3298) (-)





#80

1,3,5-Trimethylbenzene

Concen: 54.072 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

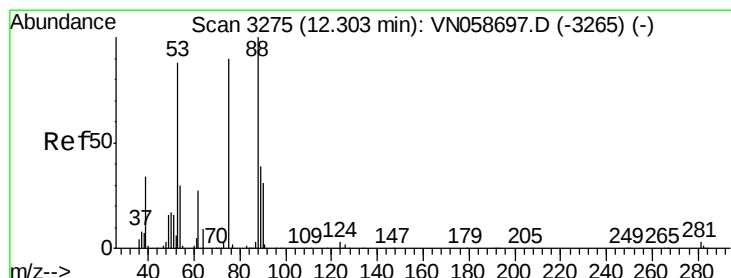
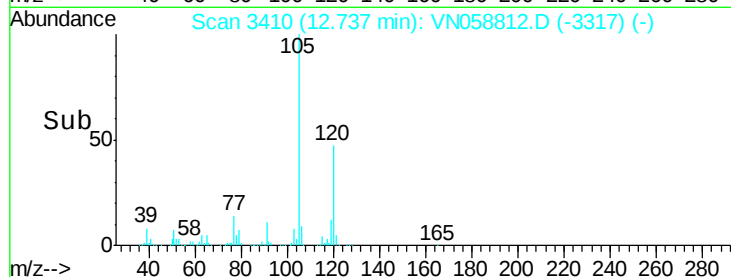
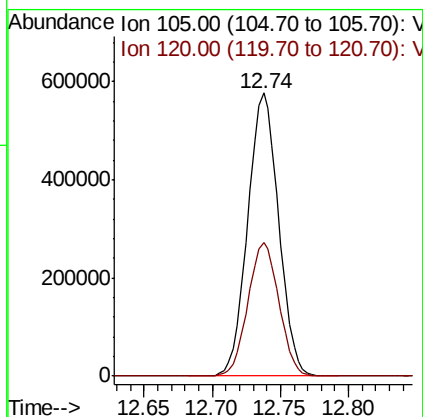
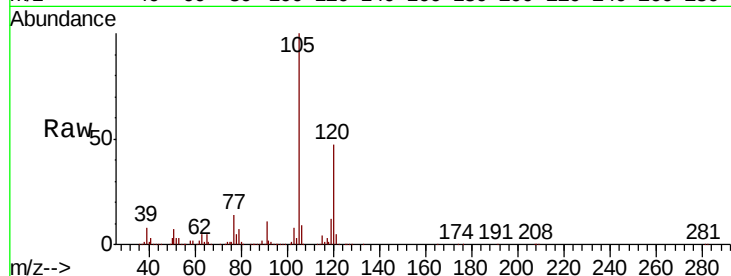
FA19-MMW0006MSD

Tot Ion:105 Resp: 904583

Ion Ratio Lower Upper

105 100

120 47.6 23.4 70.2



#81

trans-1,4-Dichloro-2-butene

Concen: 54.052 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

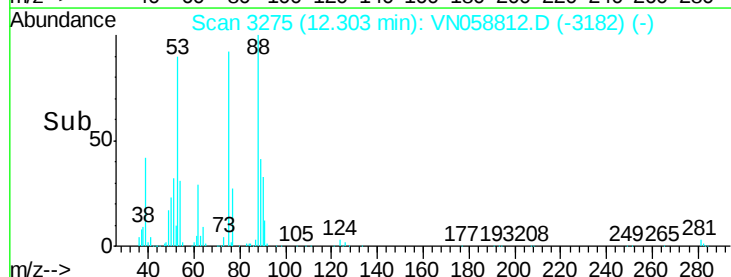
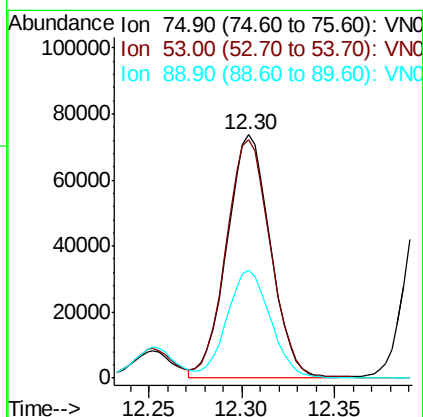
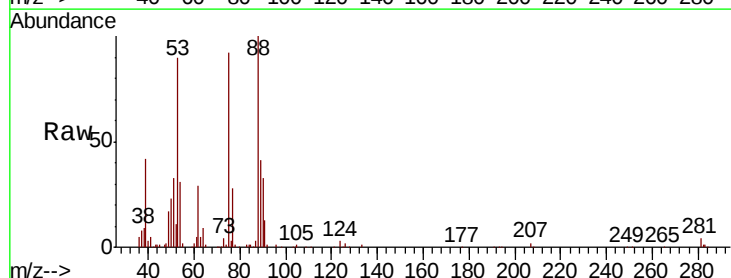
Tgt Ion: 75 Resp: 119772

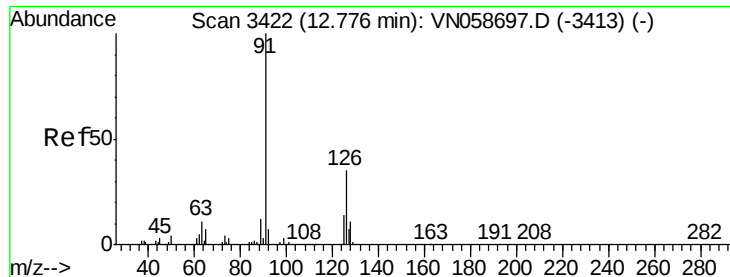
Ion Ratio Lower Upper

75 100

53 100.5 78.4 117.6

89 44.4 34.9 52.3





#82

4-Chlorotoluene

Concen: 53.163 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

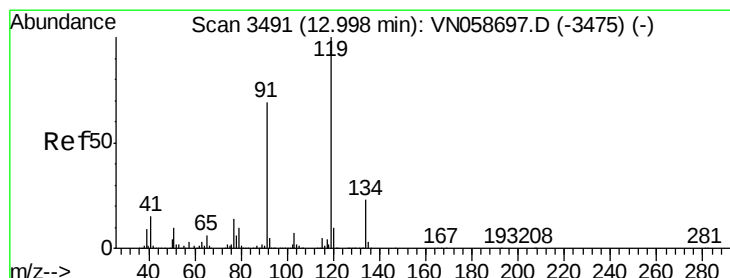
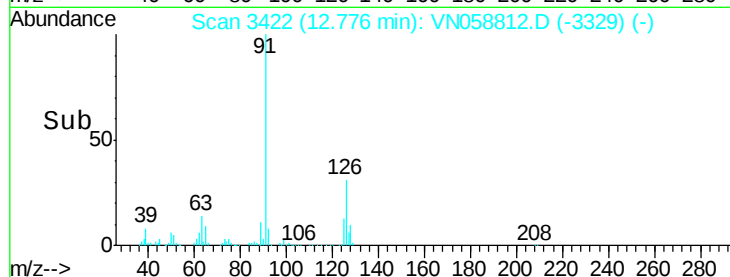
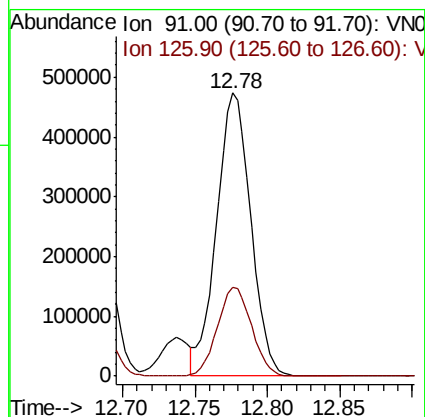
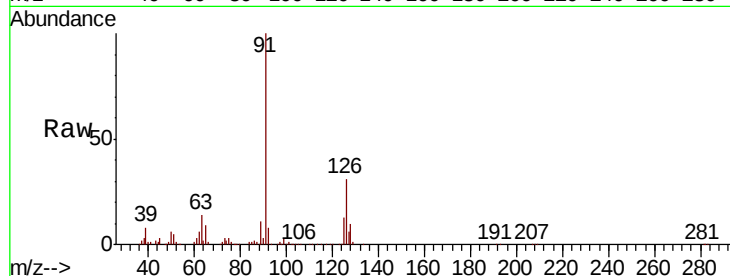
FA19-MMW0006MSD

Tot Ion: 91 Resp: 773143

Ion Ratio Lower Upper

91 100

126 31.4 15.9 47.6



#83

tert-Butylbenzene

Concen: 53.684 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

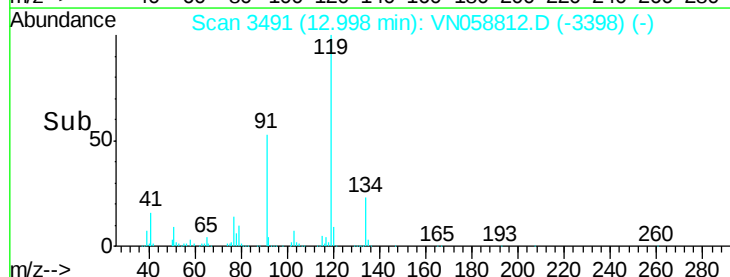
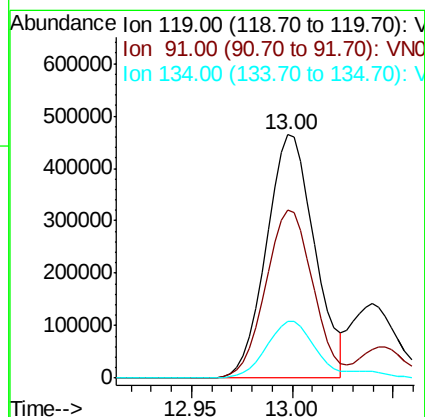
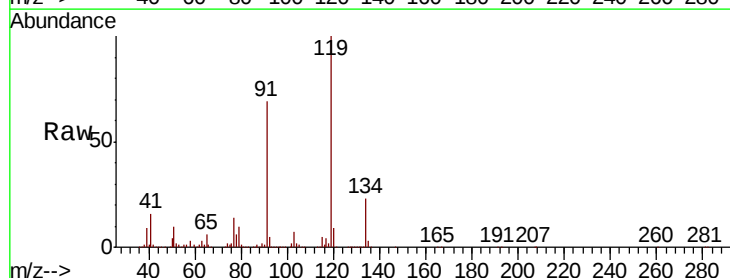
Tgt Ion: 119 Resp: 769367

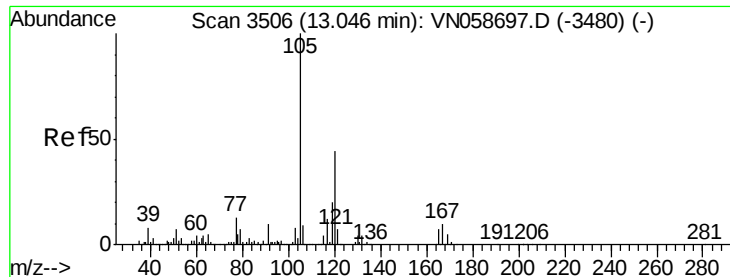
Ion Ratio Lower Upper

119 100

91 67.9 33.8 101.3

134 23.3 12.6 37.6





#84

1,2,4-Trimethylbenzene

Concen: 55.024 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

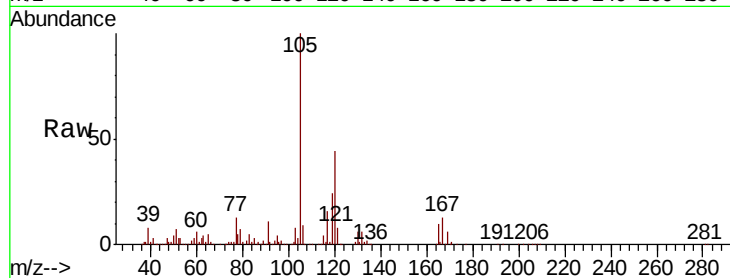
FA19-MMW0006MSD

Tot Ion:105 Resp: 913811

Ion Ratio Lower Upper

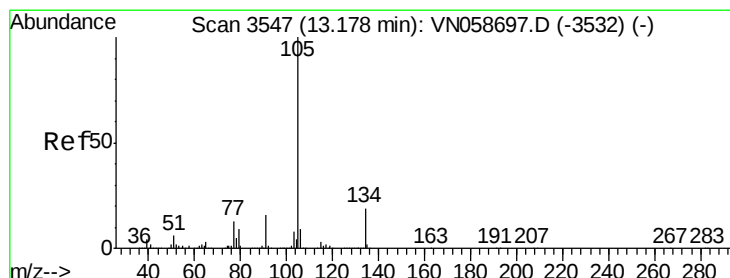
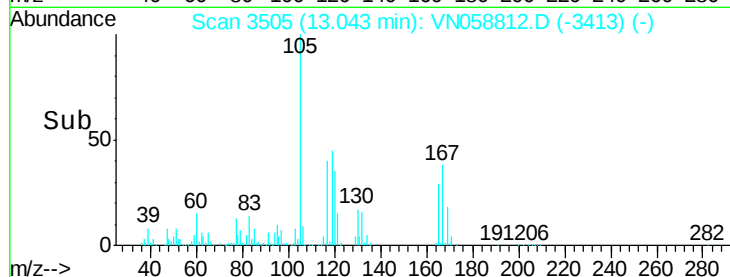
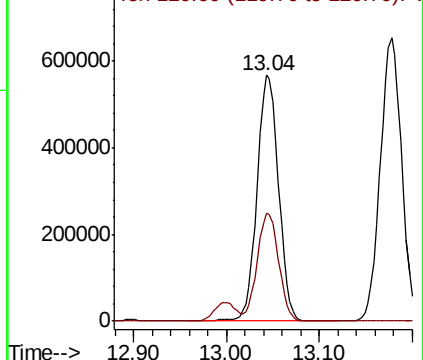
105 100

120 44.0 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 55.013 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058812.D

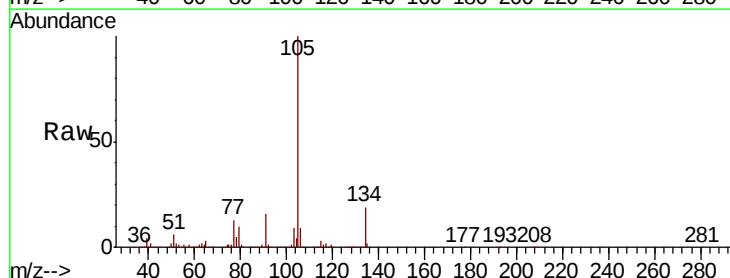
Acq: 16 Oct 2019 19:08

Tgt Ion:105 Resp: 1038871

Ion Ratio Lower Upper

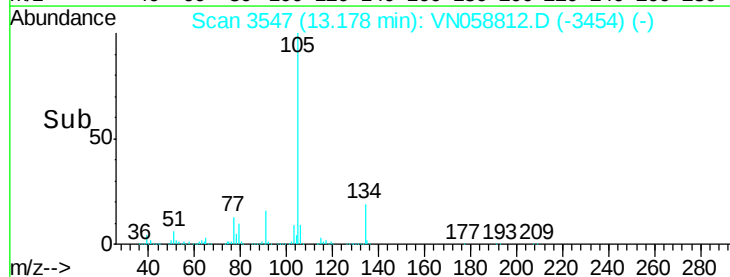
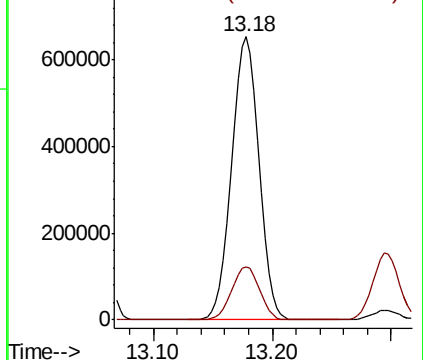
105 100

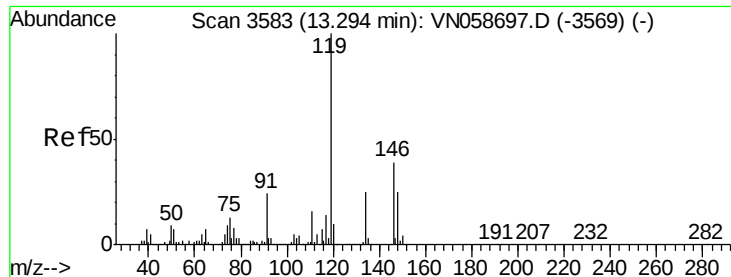
134 19.2 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

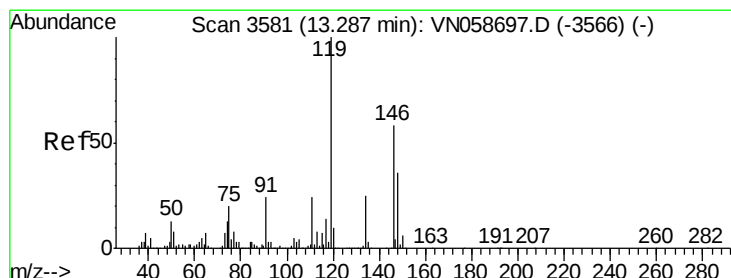
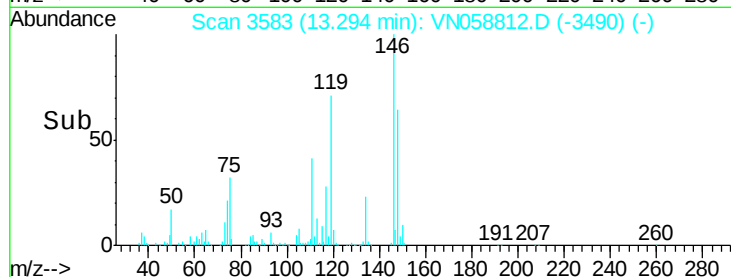
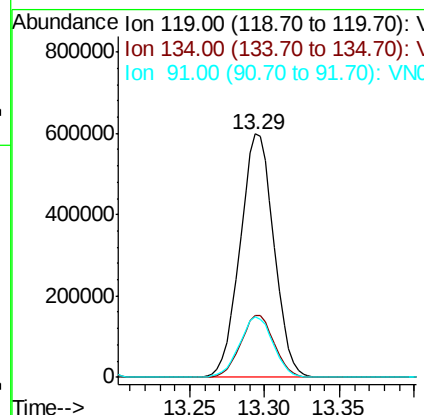
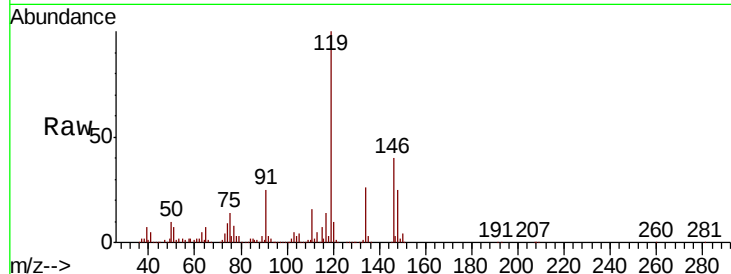




#86
 p-Isopropyltoluene
 Concen: 54.527 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058812.D
 Acq: 16 Oct 2019 19:08

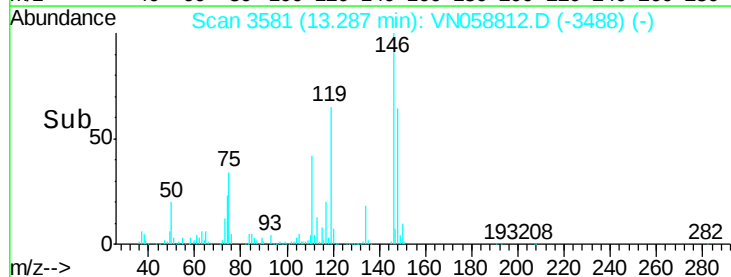
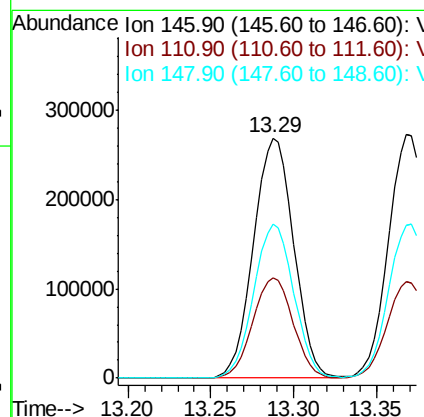
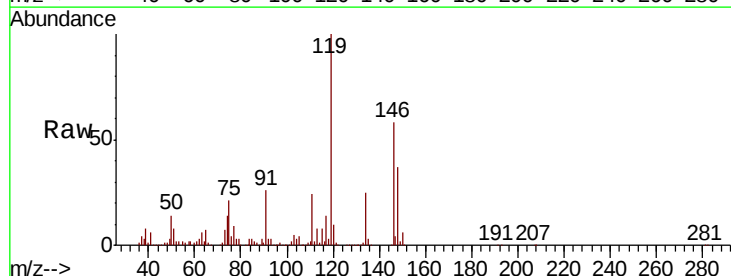
Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0006MSD

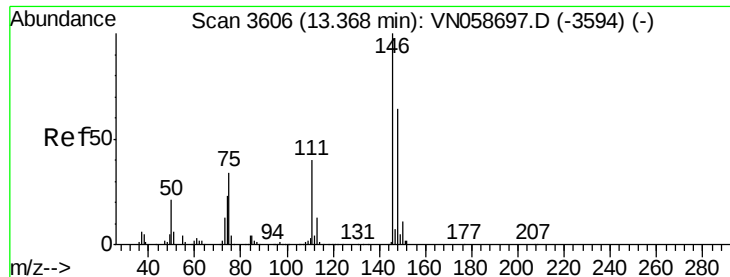
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.7	38.1
91	24.7	11.9	35.5



#87
 1,3-Dichlorobenzene
 Concen: 51.545 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058812.D
 Acq: 16 Oct 2019 19:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.5	61.6
148	63.9	31.3	93.9

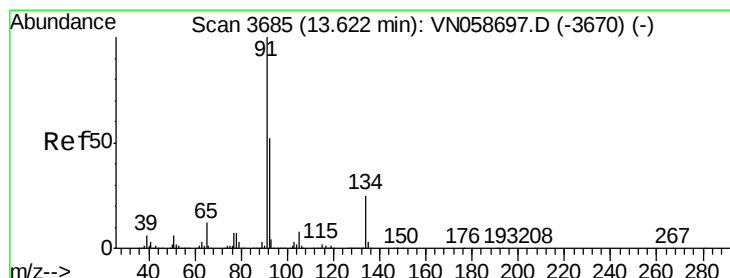
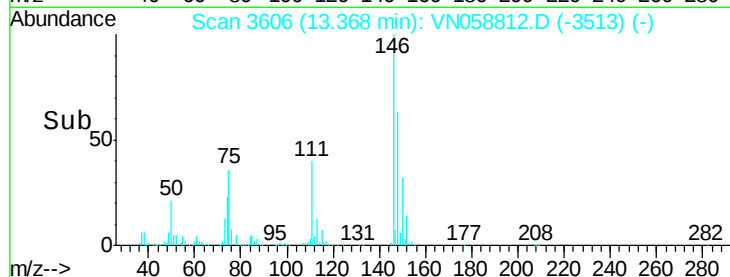
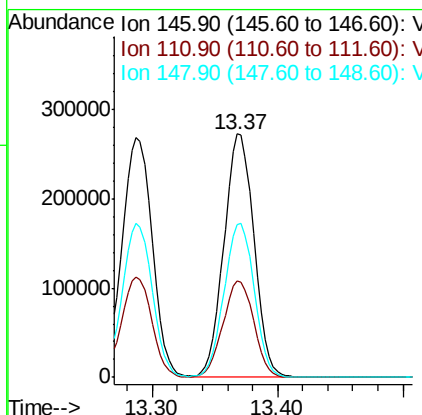
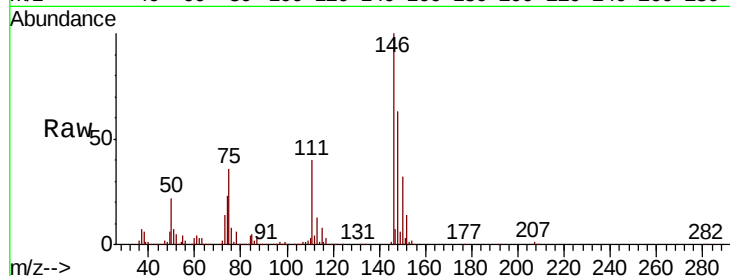




#88
 1,4-Dichlorobenzene
 Concen: 50.699 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058812.D
 Acq: 16 Oct 2019 19:08

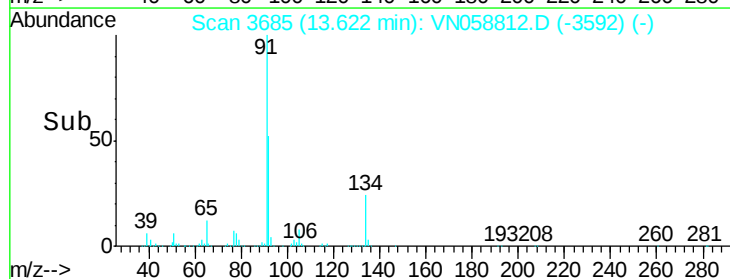
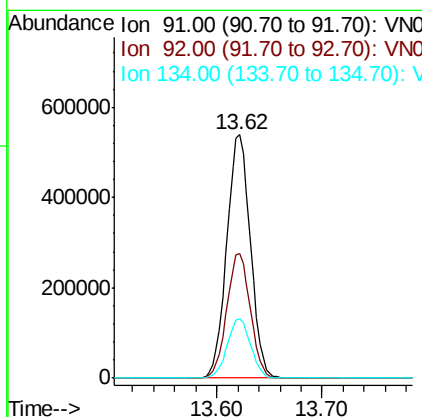
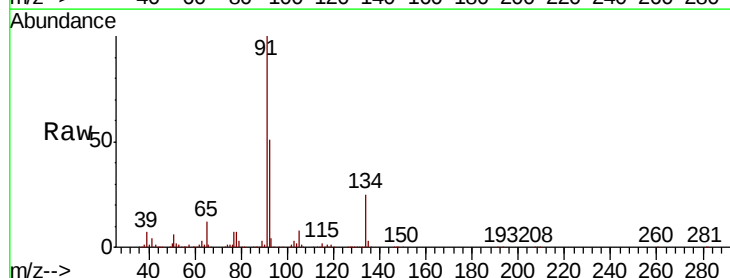
Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0006MSD

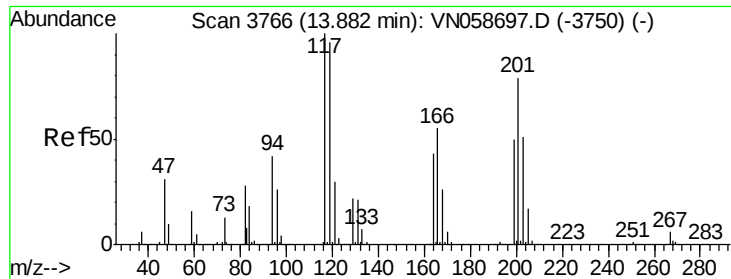
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.1	60.2
148	63.8	31.9	95.7



#89
 n-Butylbenzene
 Concen: 52.517 ug/l
 RT: 13.62 min Scan# 3685
 Delta R.T. -0.00 min
 Lab File: VN058812.D
 Acq: 16 Oct 2019 19:08

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.0	26.0	78.0
134	24.1	12.2	36.6





#90

Hexachloroethane

Concen: 55.607 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

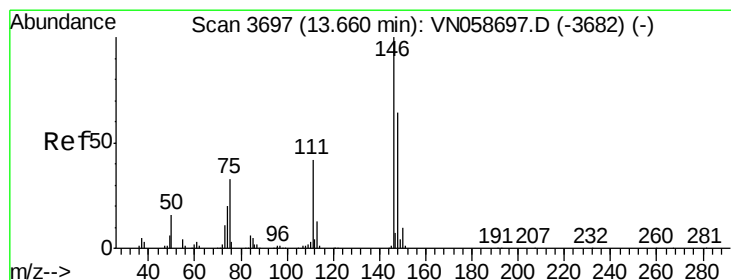
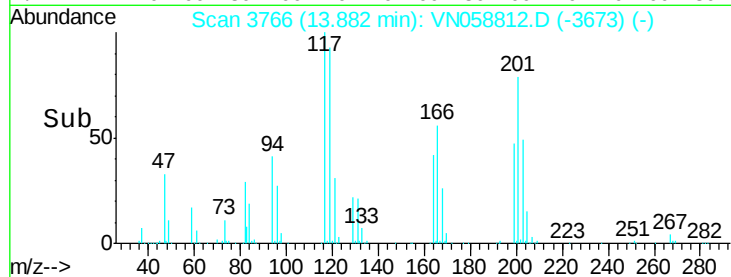
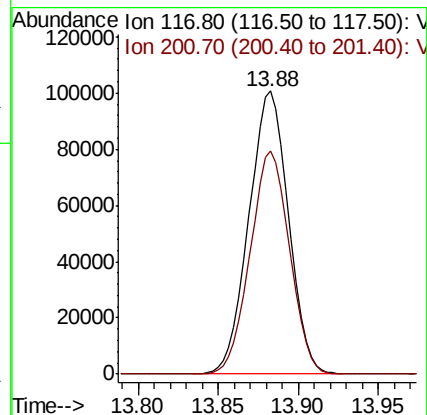
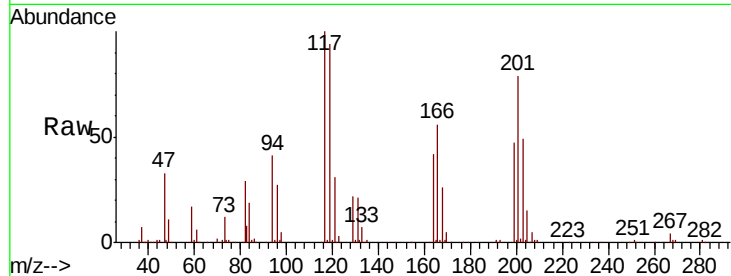
FA19-MMW0006MSD

Tot Ion:117 Resp: 170768

Ion Ratio Lower Upper

117 100

201 78.7 39.6 118.7



#91

1,2-Dichlorobenzene

Concen: 52.458 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

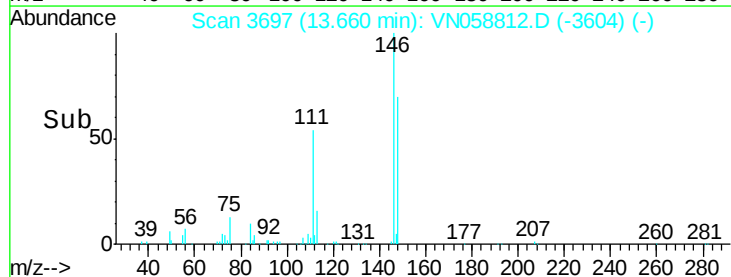
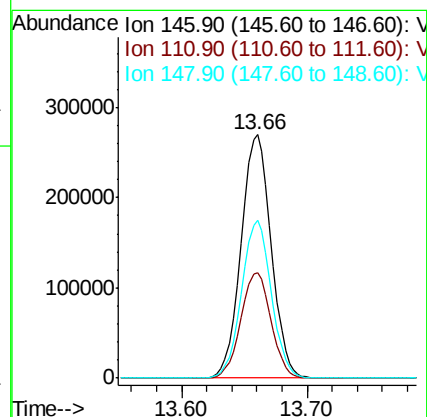
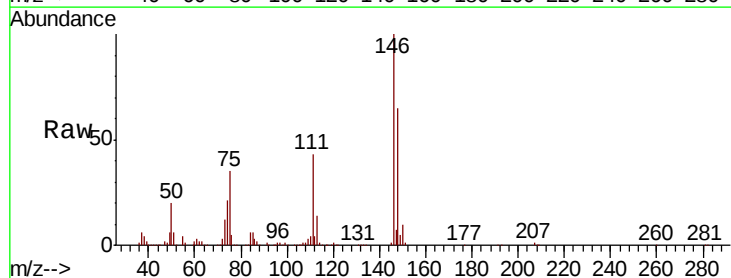
Tgt Ion:146 Resp: 449400

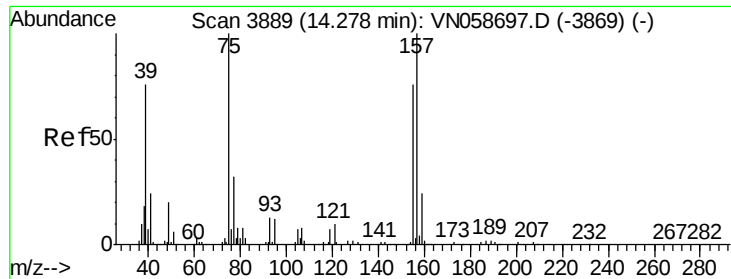
Ion Ratio Lower Upper

146 100

111 43.6 21.1 63.4

148 64.2 31.8 95.3





#92

1,2-Dibromo-3-Chloropropane

Concen: 50.302 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0006MSD

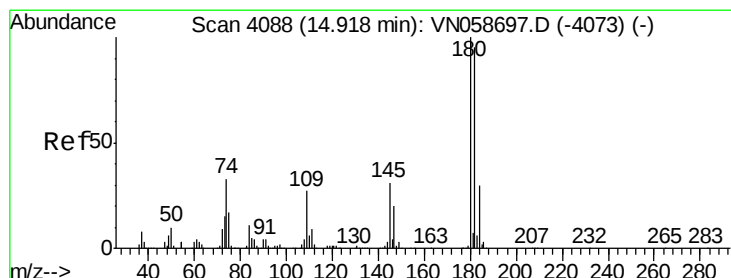
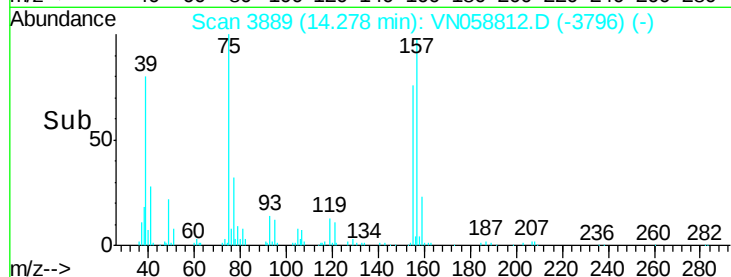
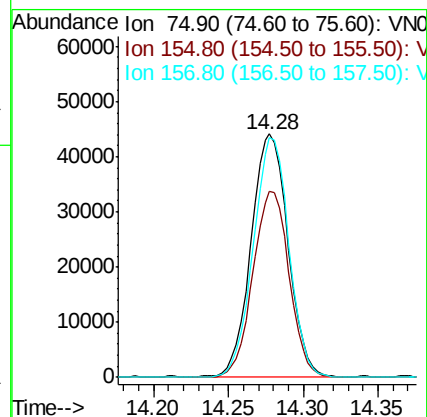
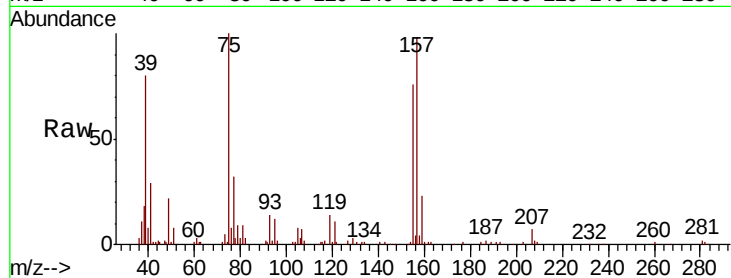
Tot Ion: 75 Resp: 75859

Ion Ratio Lower Upper

75 100

155 75.0 37.9 113.6

157 94.9 49.4 148.2



#93

1,2,4-Trichlorobenzene

Concen: 49.376 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

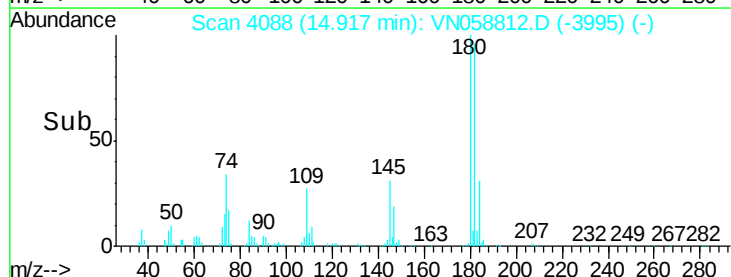
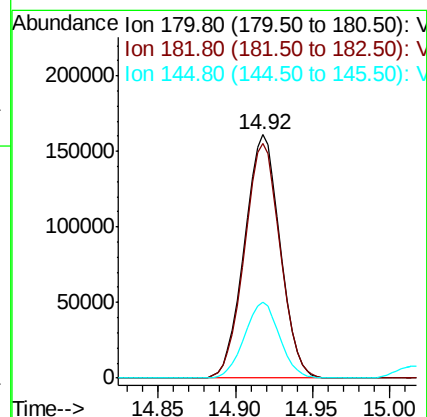
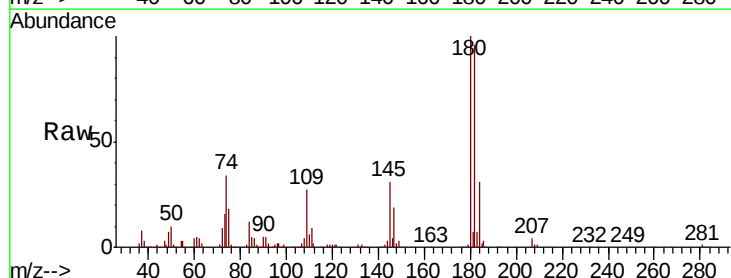
Tgt Ion: 180 Resp: 258033

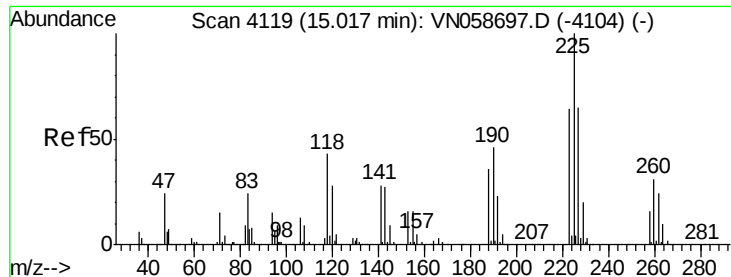
Ion Ratio Lower Upper

180 100

182 96.7 47.4 142.2

145 30.8 15.4 46.2





#94

Hexachlorobutadiene

Concen: 48.728 ug/l

RT: 15.02 min Scan# 4119

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0006MSD

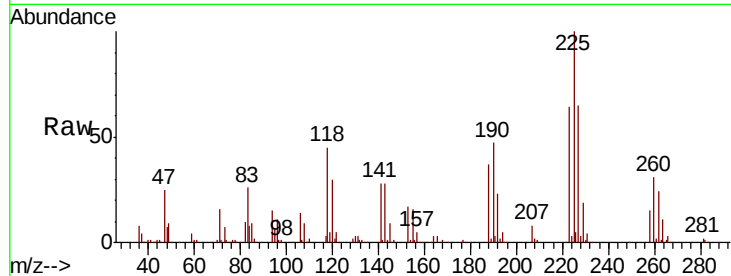
Tot Ion:225 Resp: 134100

Ion Ratio Lower Upper

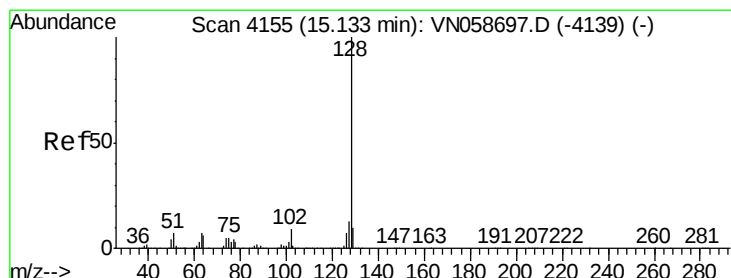
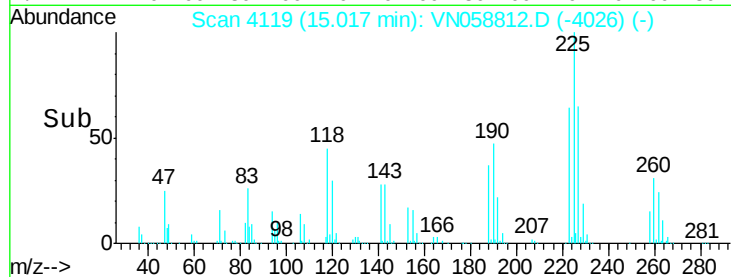
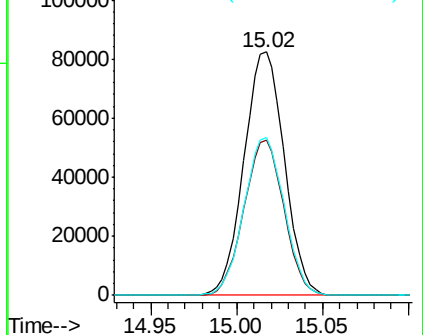
225 100

223 62.9 32.3 96.8

227 64.4 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: 50.670 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

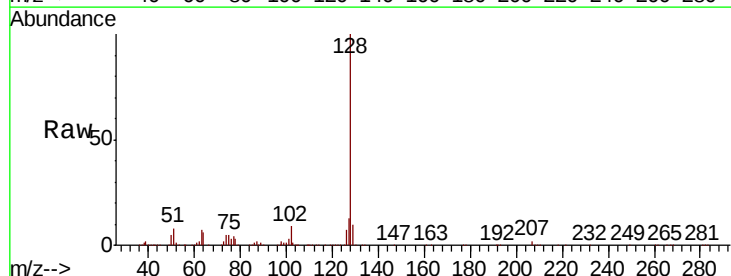
Tgt Ion:128 Resp: 761024

Ion Ratio Lower Upper

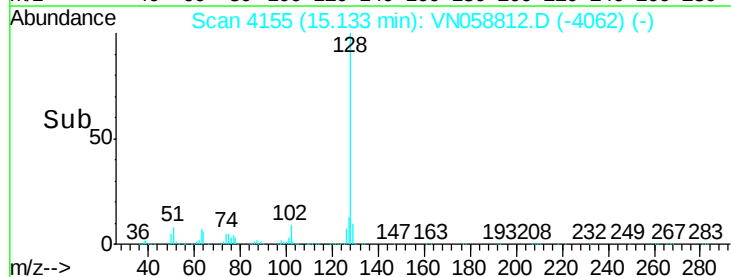
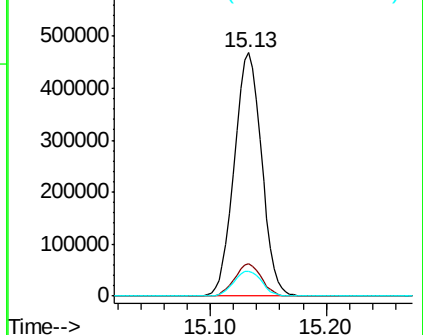
128 100

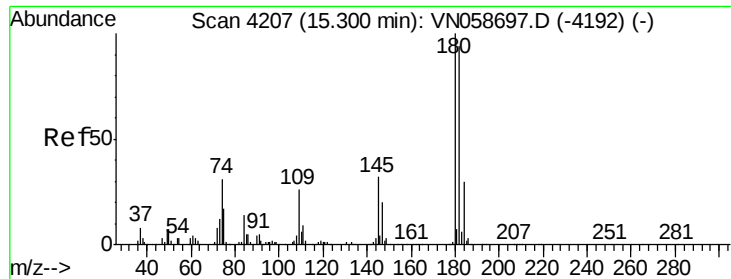
127 13.1 10.2 15.4

129 10.6 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: 50.107 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

Lab File: VN058812.D

Acq: 16 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0006MSD

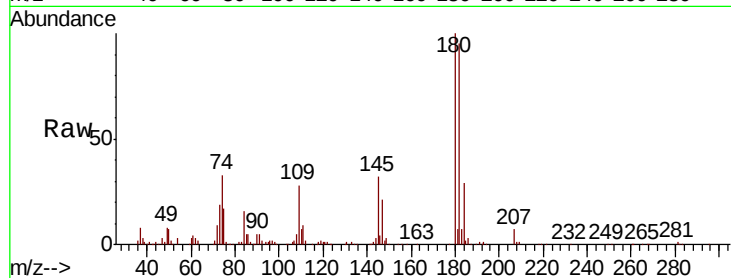
Tot Ion:180 Resp: 255652

Ion Ratio Lower Upper

180 100

182 94.7 47.3 142.0

145 32.3 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

