

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101619\
 Data File : VN058797.D
 Acq On : 16 Oct 2019 13:36
 Operator : JC/SP
 Sample : VN1016WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBS01

Quant Time: Oct 17 01:31:43 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	381809	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	619195	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	566802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	264497	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	272845	51.04	ug/l	0.00
Spiked Amount			Recovery	=	102.08%	
35) Dibromofluoromethane	7.57	113	194984	50.98	ug/l	0.00
Spiked Amount			Recovery	=	101.96%	
50) Toluene-d8	10.09	98	748405	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
62) 4-Bromofluorobenzene	12.40	95	273756	47.29	ug/l	0.00
Spiked Amount			Recovery	=	94.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	98111	20.632	ug/l	99
3) Chloromethane	2.04	50	114937	20.327	ug/l	100
4) Vinyl Chloride	2.17	62	113079	20.079	ug/l	99
5) Bromomethane	2.55	94	69141	20.181	ug/l	98
6) Chloroethane	2.69	64	71018	20.444	ug/l	96
7) Trichlorofluoromethane	3.00	101	140344	20.822	ug/l	99
8) Diethyl Ether	3.39	74	48634	19.529	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	79614	20.716	ug/l	99
10) Methyl Iodide	3.93	142	101613	19.376	ug/l	99
11) Tert butyl alcohol	4.75	59	87849	101.480	ug/l #	89
12) 1,1-Dichloroethene	3.72	96	73860	20.143	ug/l	99
13) Acrolein	3.58	56	44457	63.855	ug/l	95
14) Allyl chloride	4.30	41	149896	20.257	ug/l	99
15) Acrylonitrile	4.96	53	231772	106.167	ug/l	98
16) Acetone	3.79	43	224668	101.526	ug/l	98
17) Carbon Disulfide	4.03	76	222728	19.003	ug/l	100
18) Methyl Acetate	4.30	43	121899	21.716	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	273519	20.890	ug/l	97
20) Methylene Chloride	4.53	84	91136	19.706	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	81871	19.961	ug/l	94
22) Diisopropyl ether	5.93	45	301682	20.968	ug/l	97
23) Vinyl Acetate	5.87	43	1240794	106.879	ug/l	99
24) 1,1-Dichloroethane	5.82	63	168763	20.596	ug/l	98
25) 2-Butanone	6.82	43	328794	102.795	ug/l	99
26) 2,2-Dichloropropane	6.80	77	143763	19.220	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	95634	19.995	ug/l	99
28) Bromochloromethane	7.18	49	60355	21.172	ug/l	97
29) Tetrahydrofuran	7.19	42	215101	104.065	ug/l	100
30) Chloroform	7.36	83	168023	20.409	ug/l	99
31) Cyclohexane	7.64	56	152008	19.388	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	147503	21.009	ug/l	99
36) 1,1-Dichloropropene	7.78	75	122590	19.582	ug/l	99
37) Ethyl Acetate	6.91	43	137612	21.735	ug/l #	93
38) Carbon Tetrachloride	7.76	117	126668	20.760	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	137909	18.984	ug/l	98
40) Benzene	8.02	78	367498	20.439	ug/l	99
41) Methacrylonitrile	7.19	41	200551	67.667	ug/l #	1
42) 1,2-Dichloroethane	8.11	62	143351	20.752	ug/l	100
43) Isopropyl Acetate	8.15	43	218664	20.273	ug/l	100
44) Trichloroethene	8.82	130	91275	20.442	ug/l	97
45) 1,2-Dichloropropane	9.11	63	100708	20.923	ug/l	99
46) Dibromomethane	9.20	93	63557	20.827	ug/l	99
47) Bromodichloromethane	9.39	83	131056	21.090	ug/l	96
48) Methyl methacrylate	9.19	41	101543	20.769	ug/l	98
49) 1,4-Dioxane	9.19	88	32579	430.725	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	679306	112.143	ug/l	98
52) Toluene	10.15	92	222160	20.202	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	142399	19.979	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	154860	20.464	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	89645	19.917	ug/l	99
56) Ethyl methacrylate	10.43	69	133783	20.345	ug/l	99
57) 1,3-Dichloropropane	10.71	76	156994	20.469	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	320563	101.158	ug/l	100
59) 2-Hexanone	10.75	43	505397	107.962	ug/l	97
60) Dibromochloromethane	10.90	129	94939	20.447	ug/l	99
61) 1,2-Dibromoethane	11.00	107	90423	20.053	ug/l	98
64) Tetrachloroethene	10.63	164	83584	21.072	ug/l	95
65) Chlorobenzene	11.43	112	234828	20.401	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	89052	20.922	ug/l	99
67) Ethyl Benzene	11.51	91	424549	20.691	ug/l	100
68) m/p-Xylenes	11.62	106	312703	40.611	ug/l	99
69) o-Xylene	11.95	106	147385	19.783	ug/l	100
70) Styrene	11.97	104	241788	19.802	ug/l	99
71) Bromoform	12.13	173	66140	21.200	ug/l #	100
73) Isopropylbenzene	12.25	105	405262	21.156	ug/l	100
74) N-amyl acetate	12.07	43	182729	21.239	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	136980	21.707	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	183779	31.673	ug/l #	100
77) Bromobenzene	12.53	156	97184	20.858	ug/l	99
78) n-propylbenzene	12.59	91	478777	21.449	ug/l	100
79) 2-Chlorotoluene	12.68	91	284801	20.557	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	345762	21.143	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	42532	19.635	ug/l	92
82) 4-Chlorotoluene	12.78	91	293722	20.661	ug/l	99
83) tert-Butylbenzene	13.00	119	294276	21.005	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	346039	21.314	ug/l	100
85) sec-Butylbenzene	13.18	105	398659	21.595	ug/l	99
86) p-Isopropyltoluene	13.29	119	348774	20.788	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	174952	20.361	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	174246	19.945	ug/l	97
89) n-Butylbenzene	13.62	91	310855	20.037	ug/l	99
90) Hexachloroethane	13.88	117	64611	21.522	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	174695	20.860	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	30014	20.359	ug/l	96

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Response via : Initial Calibration

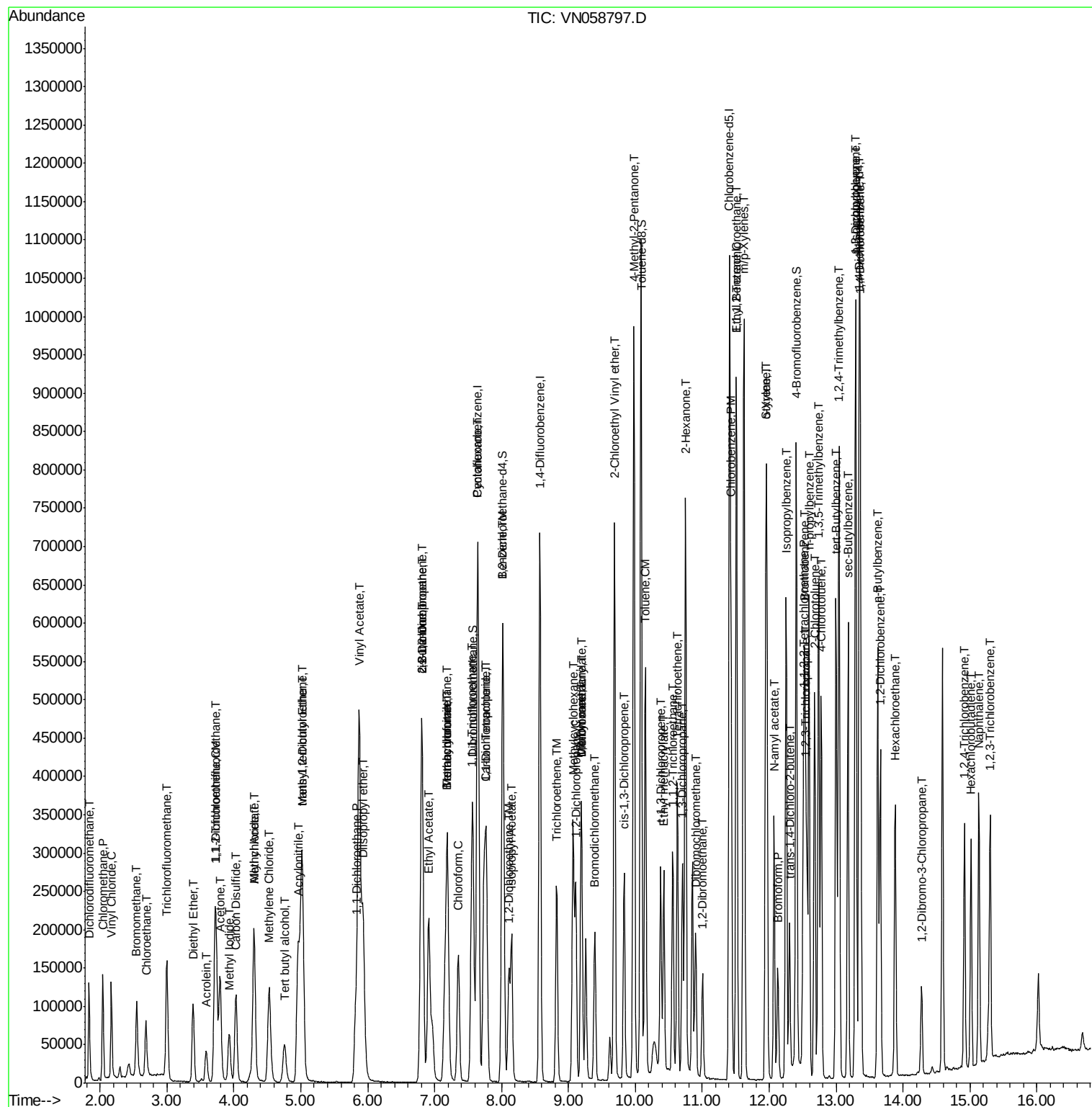
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	96474	18.884	ug/l	99
94) Hexachlorobutadiene	15.02	225	54060	20.095	ug/l	98
95) Naphthalene	15.13	128	275214	18.745	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	94675	18.982	ug/l	99

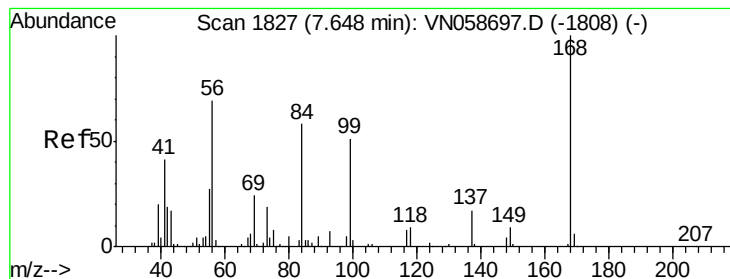
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

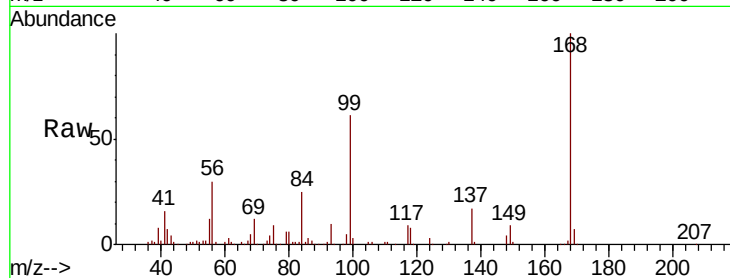
VN1016WBS01

Tot Ion:168 Resp: 381809

Ion Ratio Lower Upper

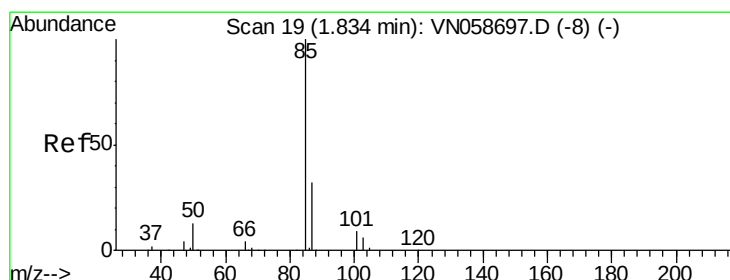
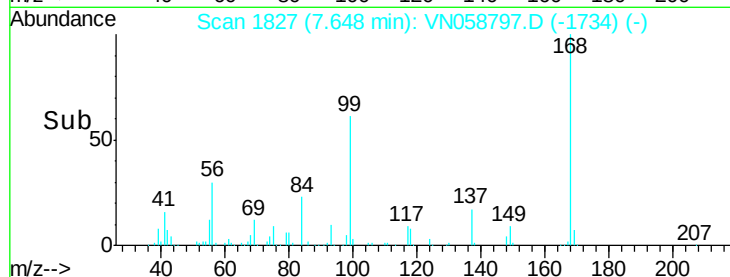
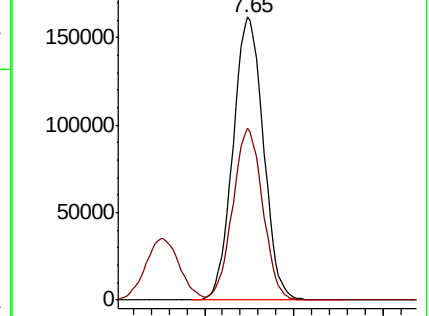
168 100

99 60.5 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 20.632 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058797.D

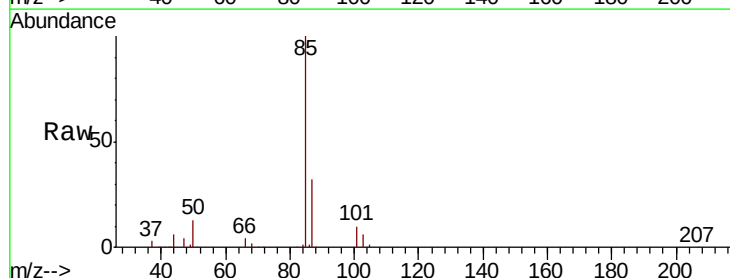
Acq: 16 Oct 2019 13:36

Tgt Ion: 85 Resp: 98111

Ion Ratio Lower Upper

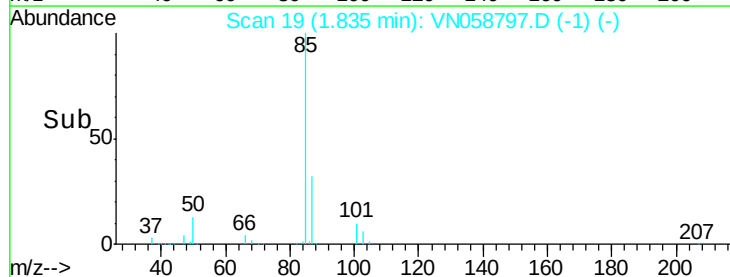
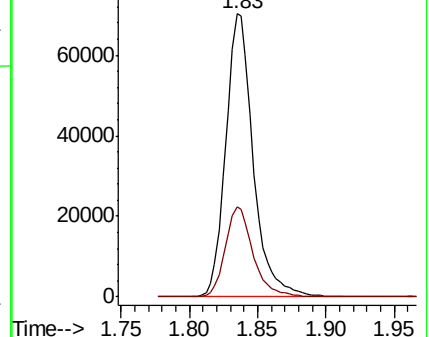
85 100

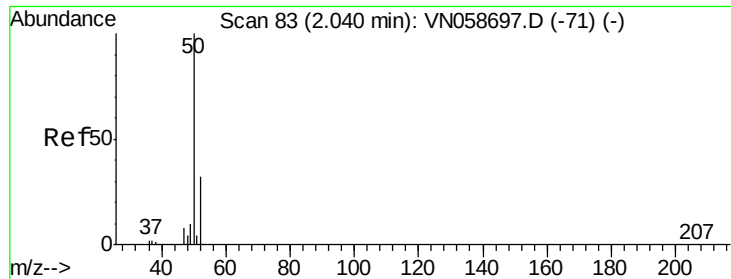
87 32.0 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 20.327 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

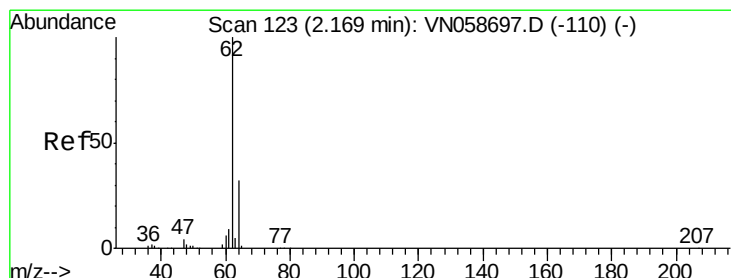
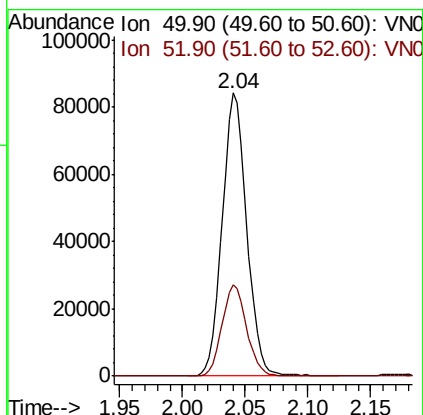
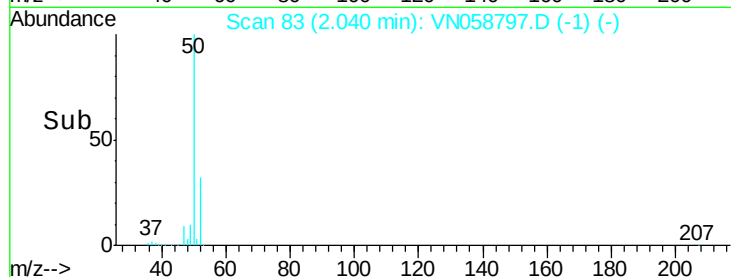
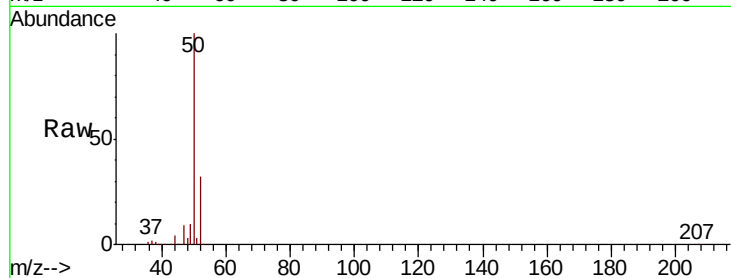
VN1016WBS01

Tot Ion: 50 Resp: 114937

Ion Ratio Lower Upper

50 100

52 32.3 25.8 38.6



#4

Vinyl Chloride

Concen: 20.079 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058797.D

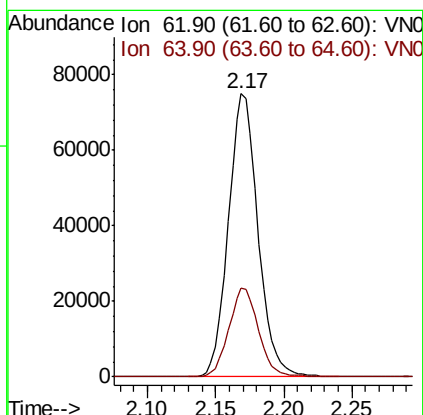
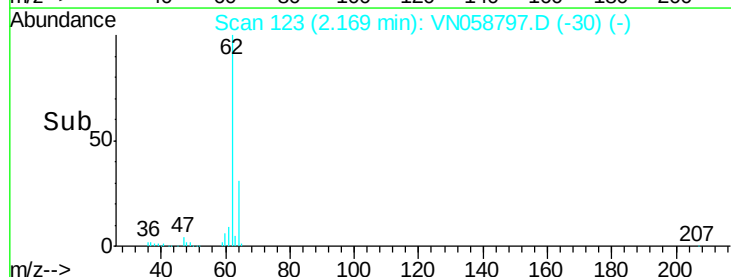
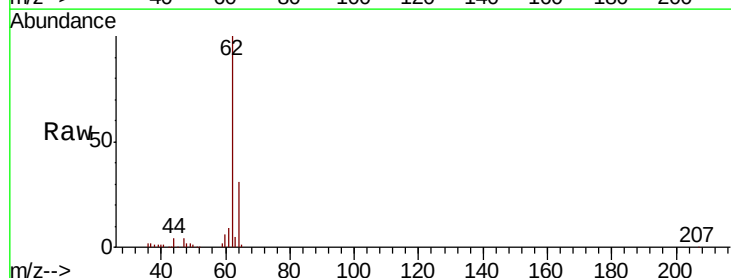
Acq: 16 Oct 2019 13:36

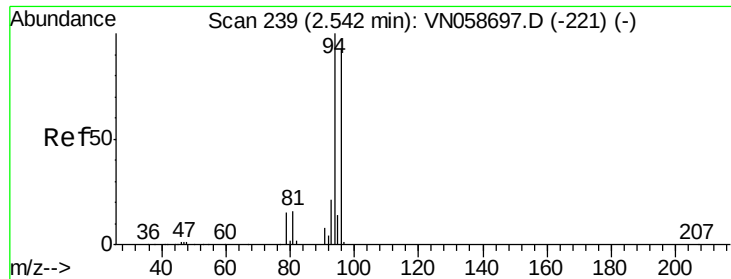
Tgt Ion: 62 Resp: 113079

Ion Ratio Lower Upper

62 100

64 31.3 25.3 37.9





#5

Bromomethane

Concen: 20.181 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

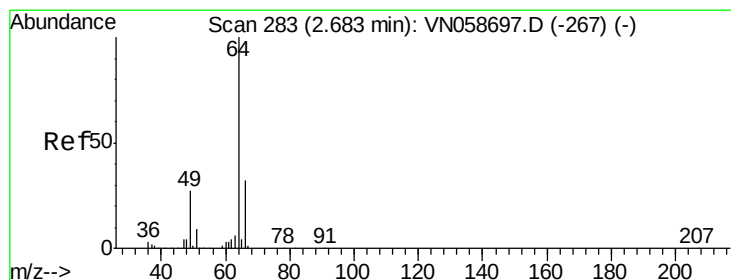
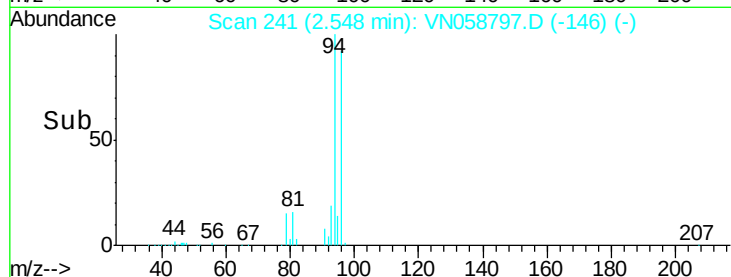
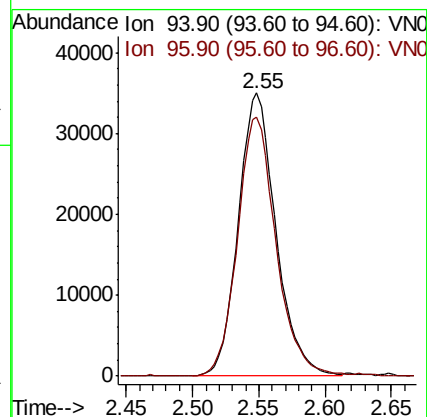
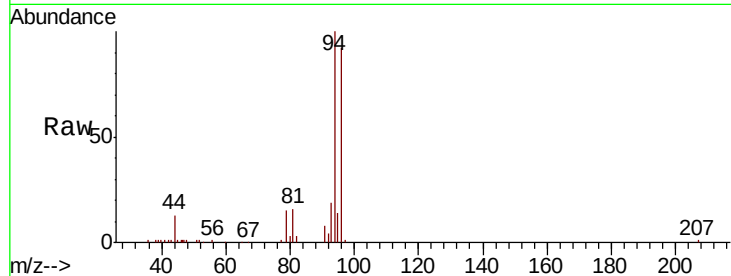
VN1016WBS01

Tot Ion: 94 Resp: 69141

Ion Ratio Lower Upper

94 100

96 91.5 74.5 111.7



#6

Chloroethane

Concen: 20.444 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058797.D

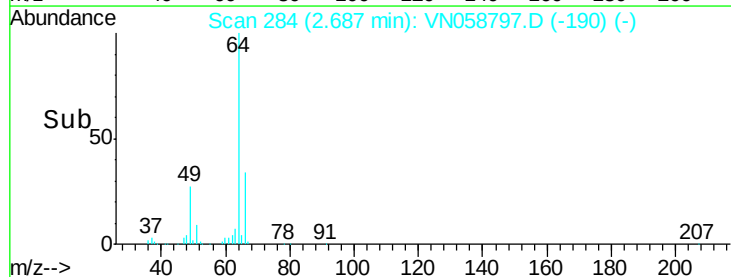
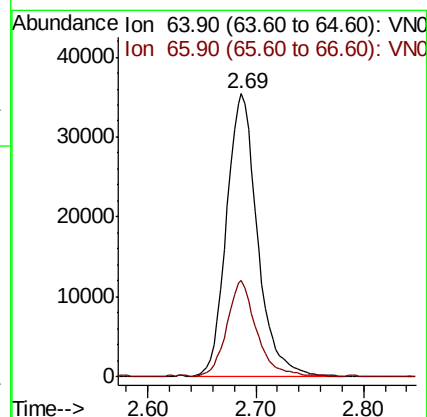
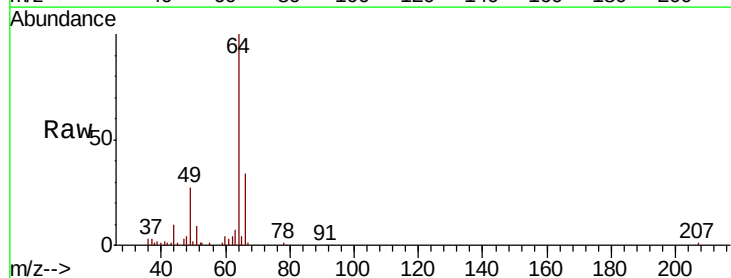
Acq: 16 Oct 2019 13:36

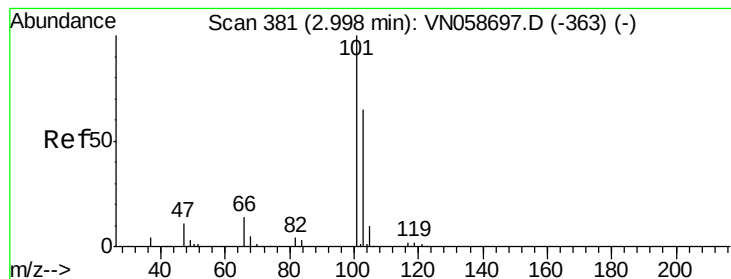
Tgt Ion: 64 Resp: 71018

Ion Ratio Lower Upper

64 100

66 33.9 25.4 38.2



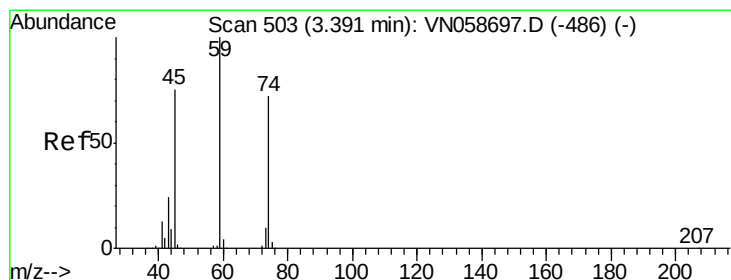
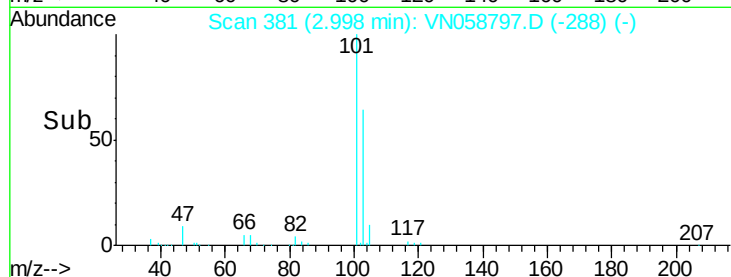
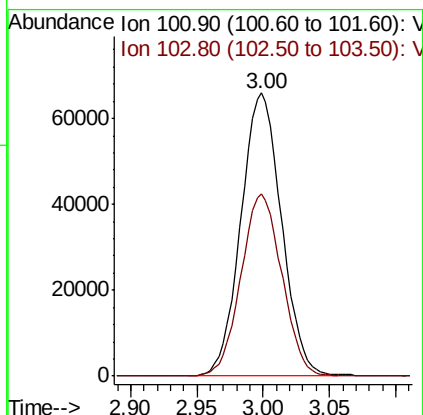
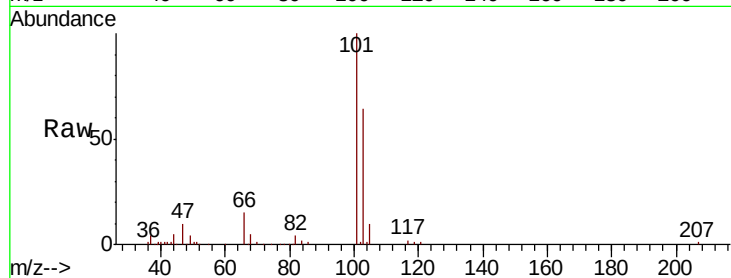


#7

Trichlorofluoromethane
 Concen: 20.822 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058797.D
 Acq: 16 Oct 2019 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBS01

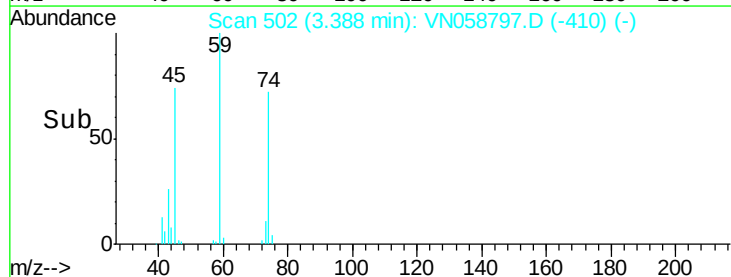
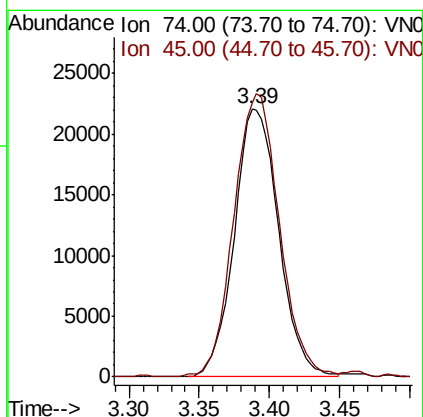
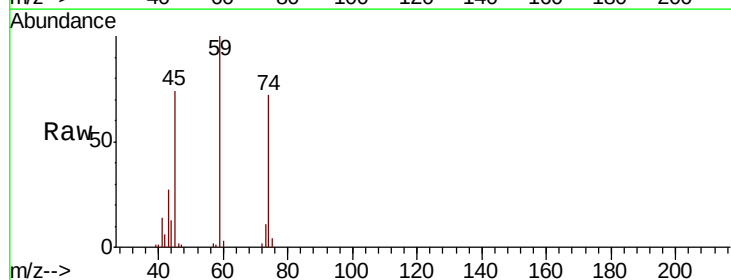
Tot Ion:101 Resp: 140344
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.8 77.6

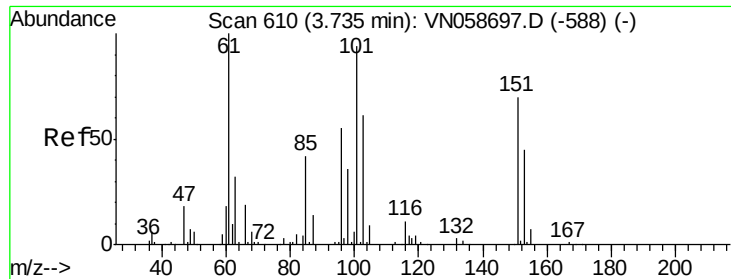


#8

Diethyl Ether
 Concen: 19.529 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN058797.D
 Acq: 16 Oct 2019 13:36

Tgt Ion: 74 Resp: 48634
 Ion Ratio Lower Upper
 74 100
 45 108.7 51.3 154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.716 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

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ClientSampleId :

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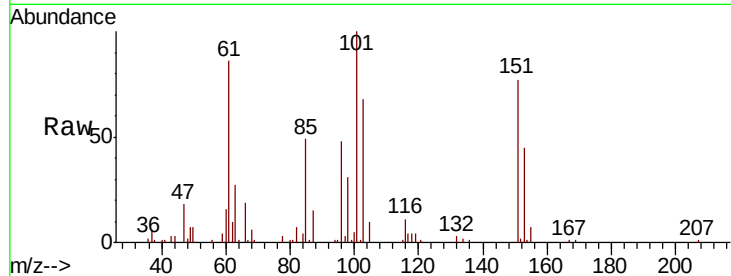
Tot Ion:101 Resp: 79614

Ion Ratio Lower Upper

101 100

85 45.6 37.0 55.6

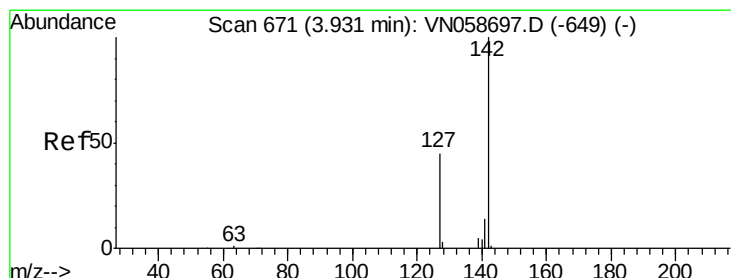
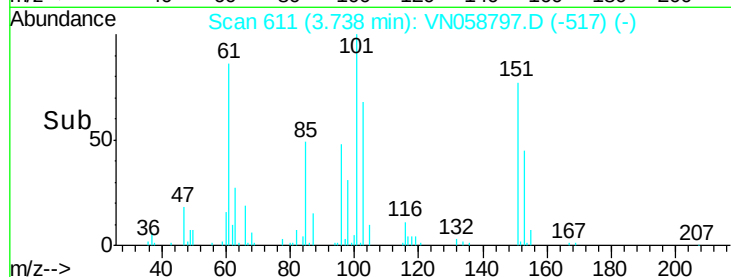
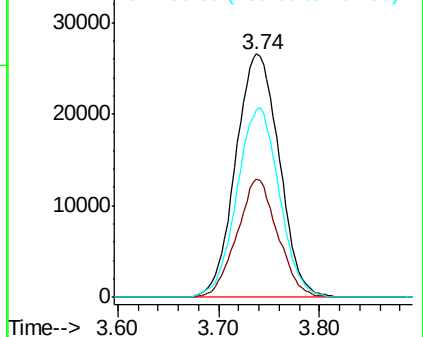
151 75.8 61.8 92.6



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: 19.376 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

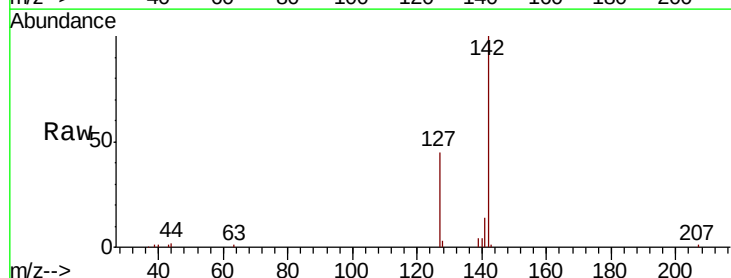
Tgt Ion:142 Resp: 101613

Ion Ratio Lower Upper

142 100

127 46.6 36.4 54.6

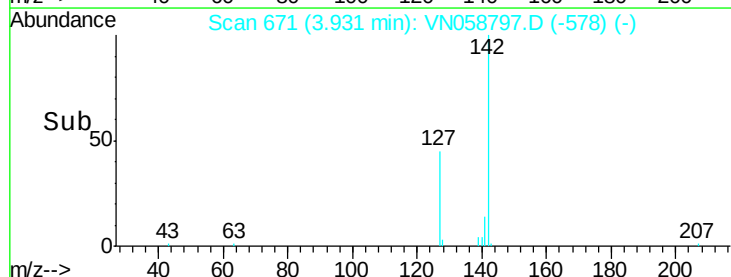
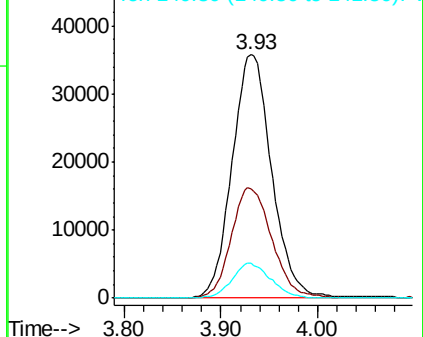
141 13.9 11.1 16.7

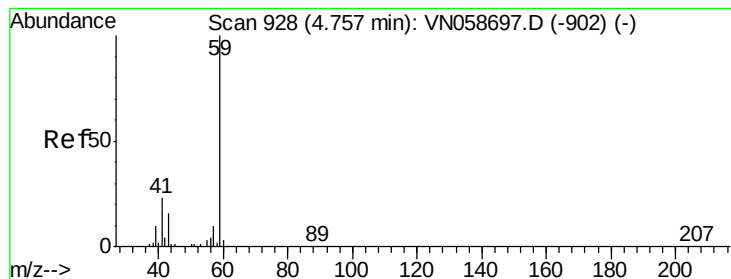


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



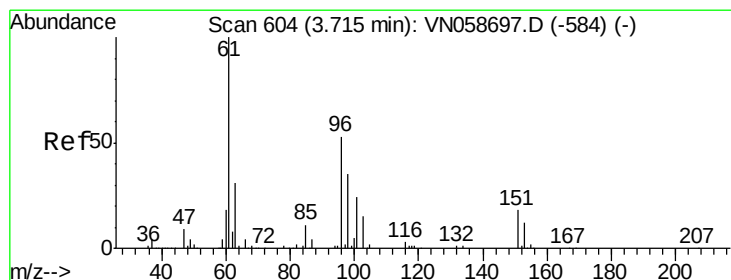
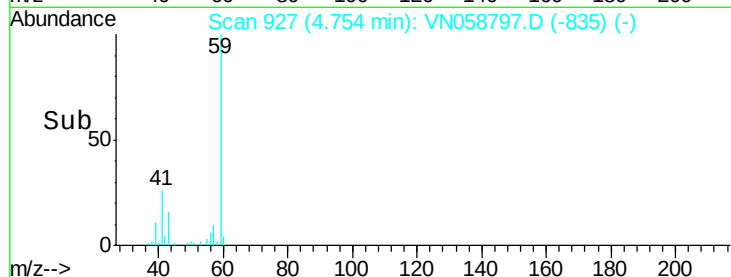
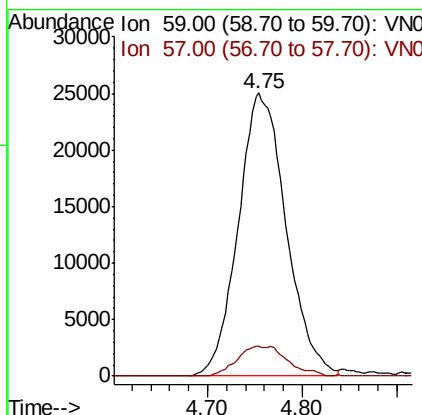
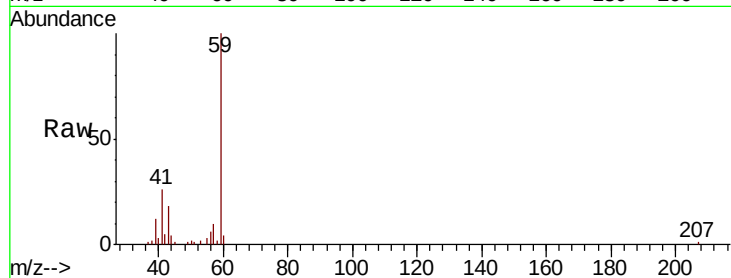


#11

Tert butyl alcohol
 Concen: 101.480 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: VN058797.D
 Acq: 16 Oct 2019 13:36

Instrument :
 MSVOA_N
 ClientSampled :
 VN1016WBS01

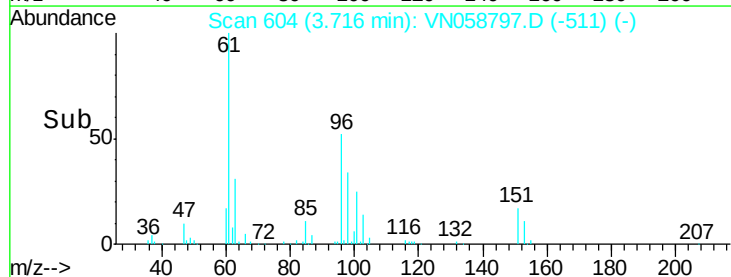
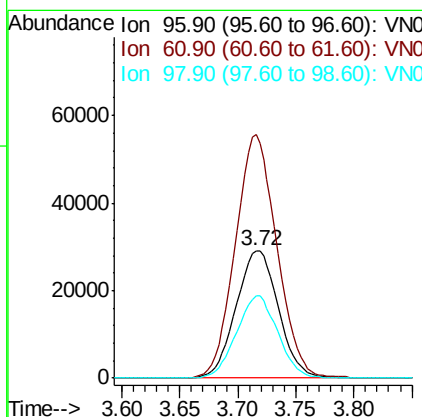
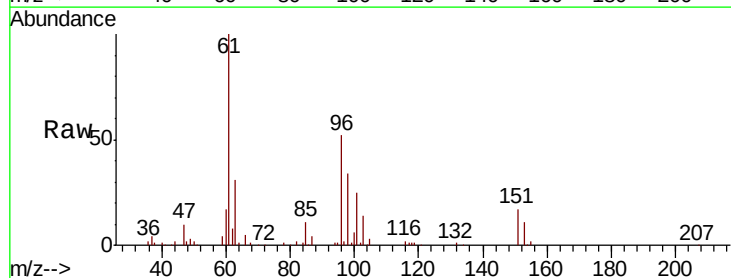
Tot Ion: 59 Resp: 87849
 Ion Ratio Lower Upper
 59 100
 57 6.2 8.4 12.6#

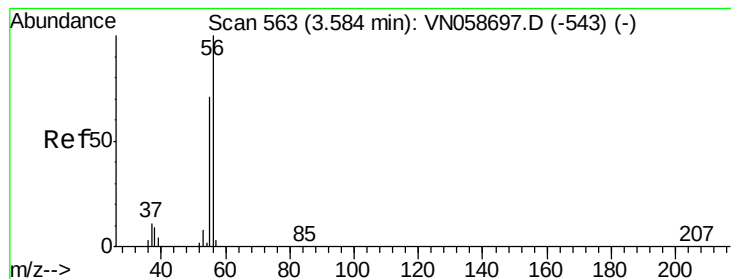


#12

1,1-Dichloroethene
 Concen: 20.143 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058797.D
 Acq: 16 Oct 2019 13:36

Tgt Ion: 96 Resp: 73860
 Ion Ratio Lower Upper
 96 100
 61 190.2 151.3 226.9
 98 64.3 52.6 78.8





#13

Acrolein

Concen: 63.855 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

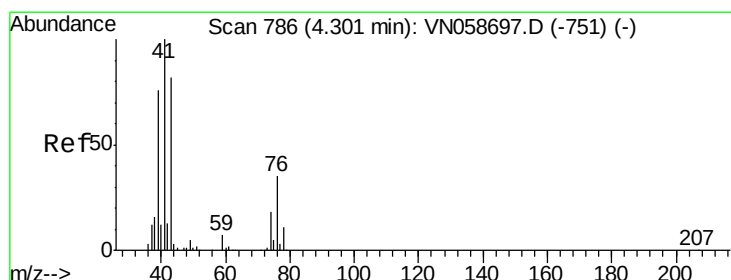
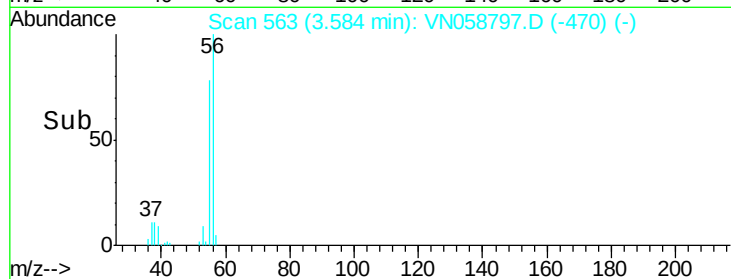
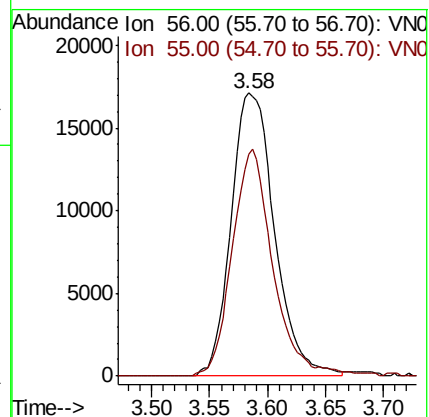
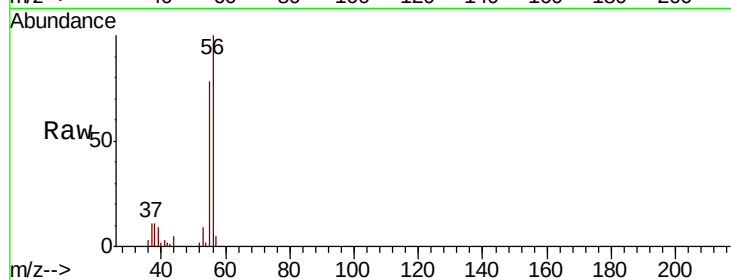
VN1016WBS01

Tot Ion: 56 Resp: 44457

Ion Ratio Lower Upper

56 100

55 75.3 56.7 85.1



#14

Allyl chloride

Concen: 20.257 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

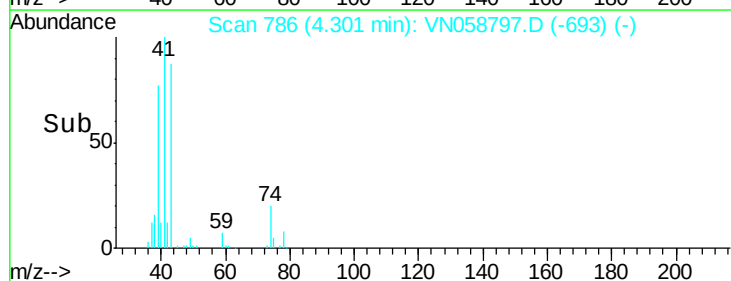
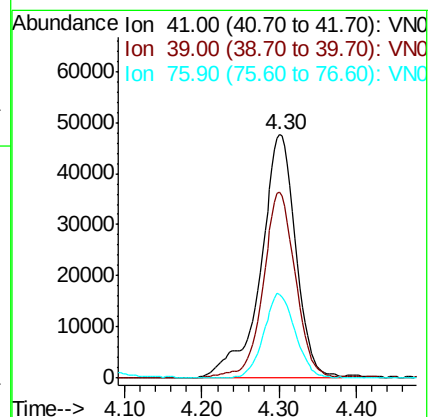
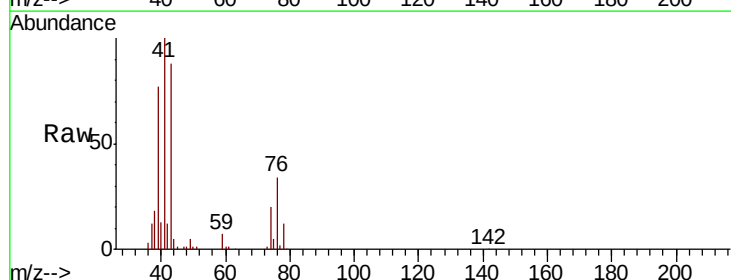
Tgt Ion: 41 Resp: 149896

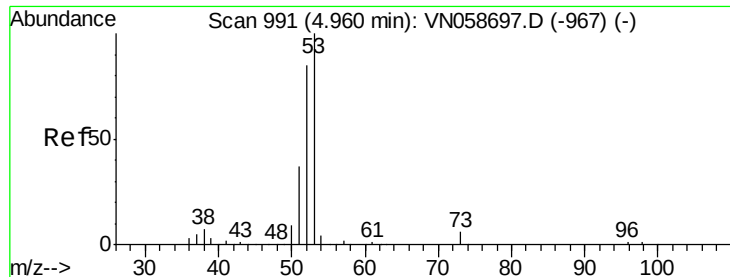
Ion Ratio Lower Upper

41 100

39 70.7 57.2 85.8

76 31.0 25.0 37.6





#15

Acrylonitrile

Concen: 106.167 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

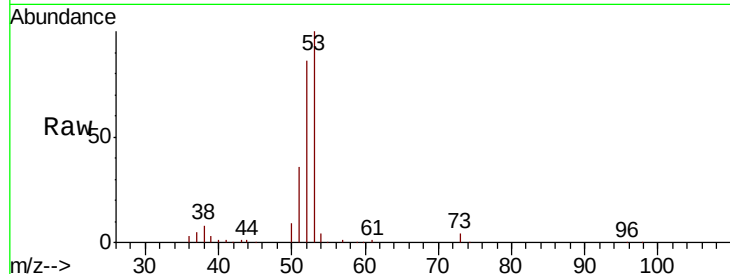
Tot Ion: 53 Resp: 231772

Ion Ratio Lower Upper

53 100

52 84.8 66.2 99.2

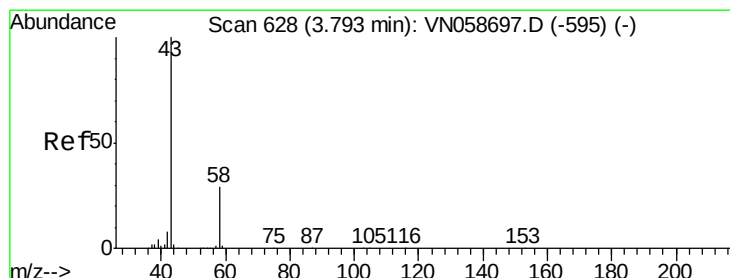
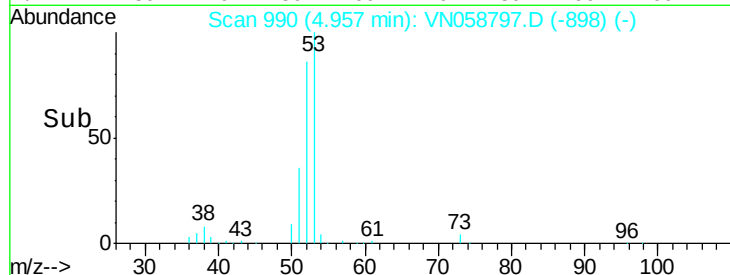
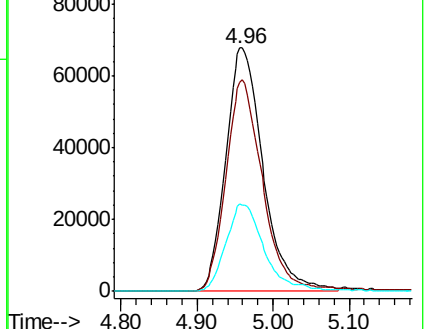
51 36.6 29.4 44.2



Abundance Ion 53.00 (52.70 to 53.70): VN058797.D (-898) (-)

Ion 52.00 (51.70 to 52.70): VN058797.D (-898) (-)

Ion 51.00 (50.70 to 51.70): VN058797.D (-898) (-)



#16

Acetone

Concen: 101.526 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN058797.D

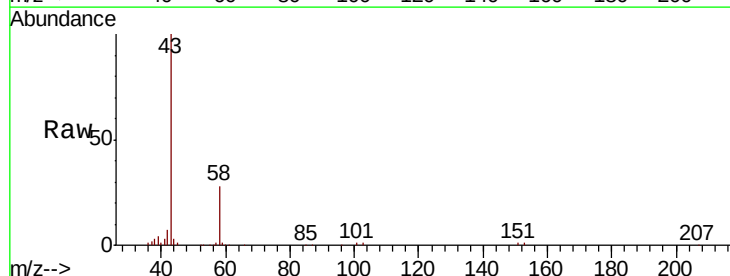
Acq: 16 Oct 2019 13:36

Tgt Ion: 43 Resp: 224668

Ion Ratio Lower Upper

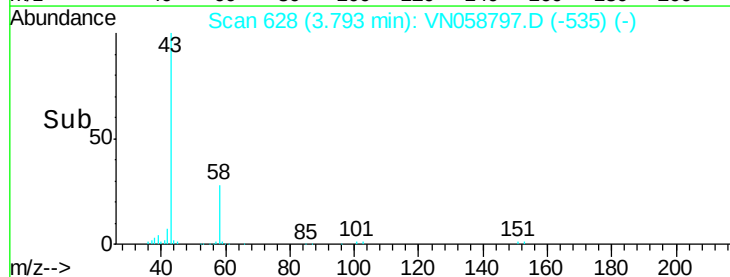
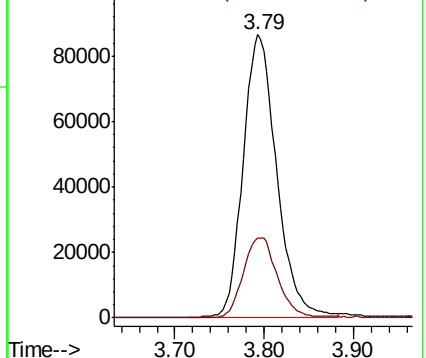
43 100

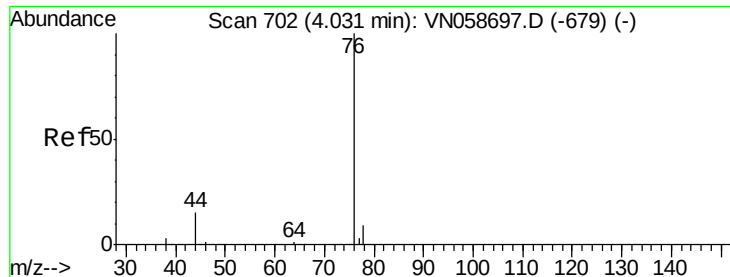
58 28.1 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN058797.D (-535) (-)

Ion 58.00 (57.70 to 58.70): VN058797.D (-535) (-)

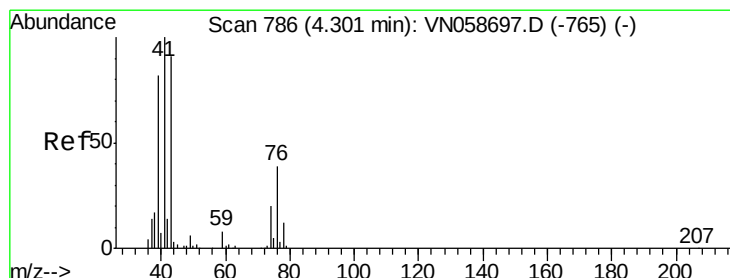
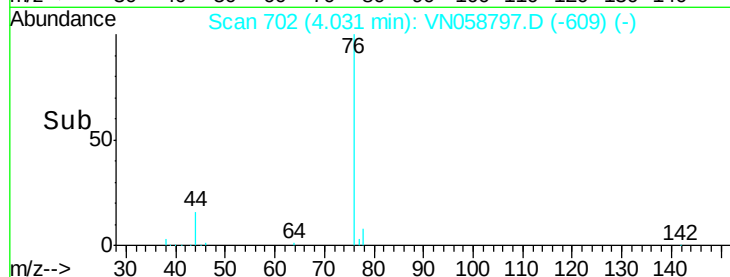
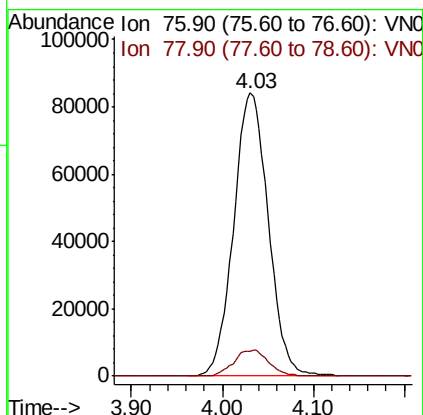
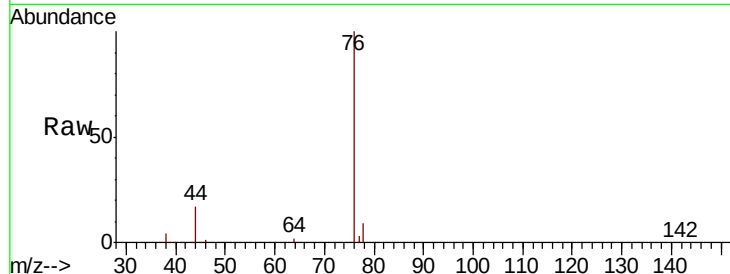




#17
Carbon Disulfide
Concen: 19.003 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

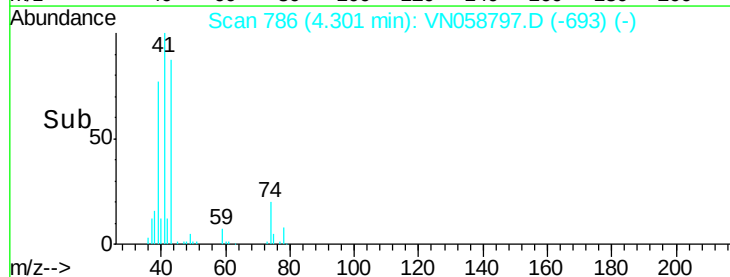
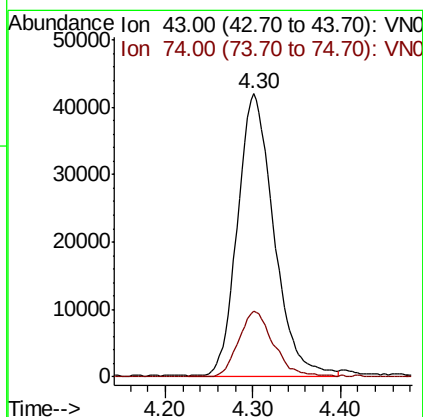
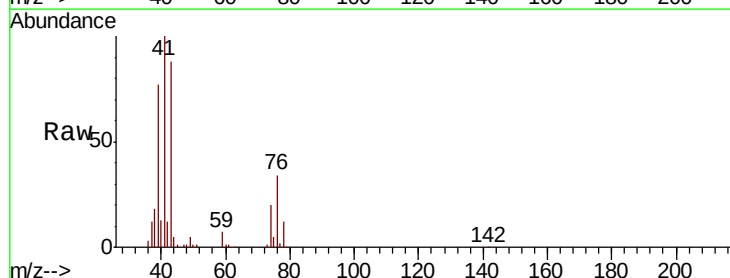
Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

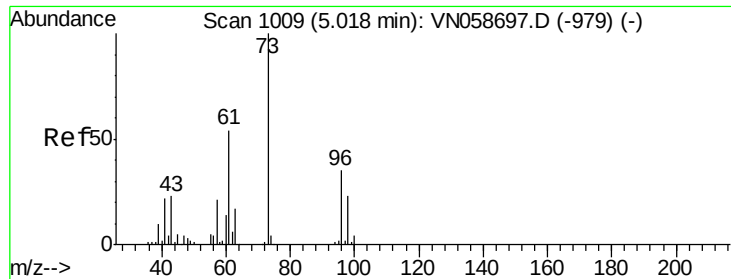
Tot Ion: 76 Resp: 222728
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7



#18
Methyl Acetate
Concen: 21.716 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Tgt Ion: 43 Resp: 121899
Ion Ratio Lower Upper
43 100
74 22.2 17.2 25.8

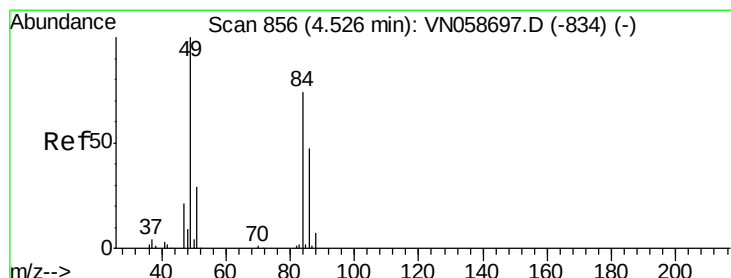
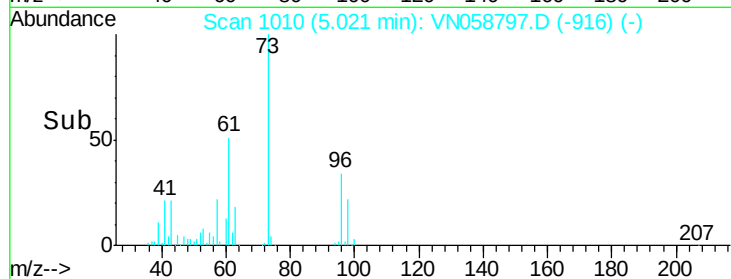
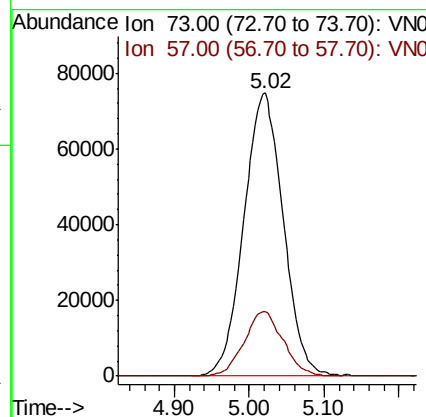
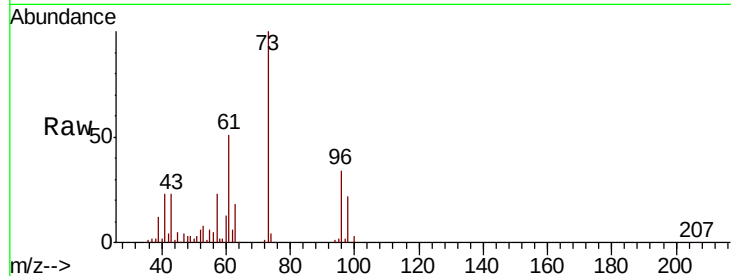




#19
Methyl tert-butyl Ether
Concen: 20.890 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

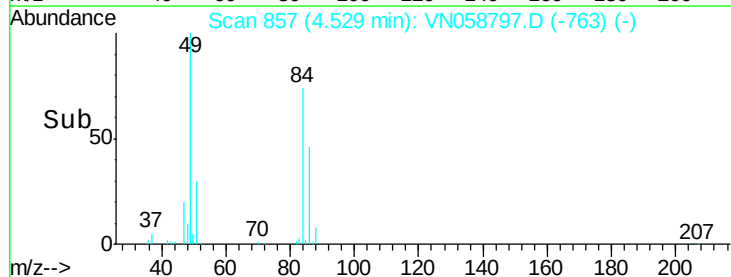
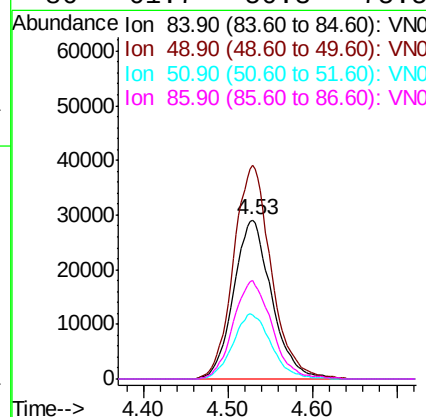
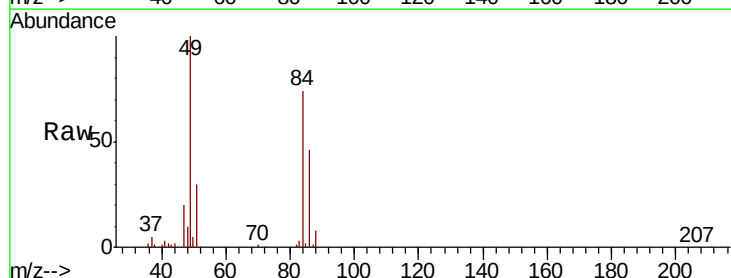
Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

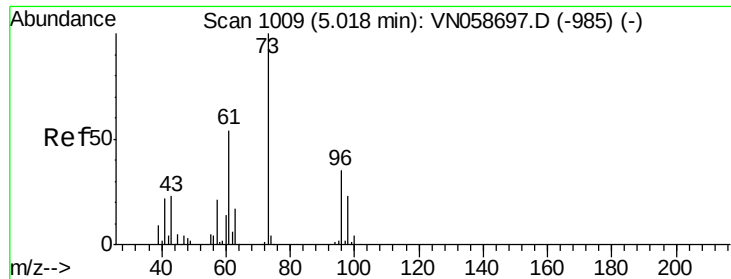
Tot Ion: 73 Resp: 273519
Ion Ratio Lower Upper
73 100
57 22.9 17.0 25.6



#20
Methylene Chloride
Concen: 19.706 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Tgt Ion: 84 Resp: 91136
Ion Ratio Lower Upper
84 100
49 134.2 107.6 161.4
51 40.3 31.4 47.0
86 61.7 50.3 75.5

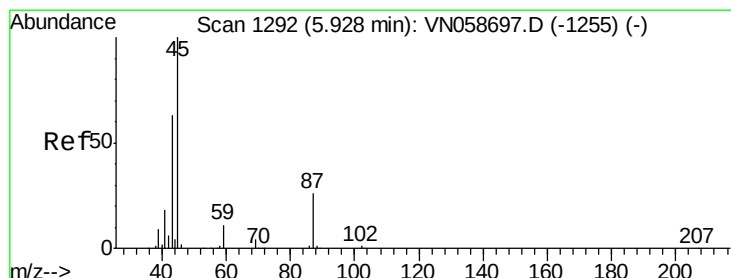
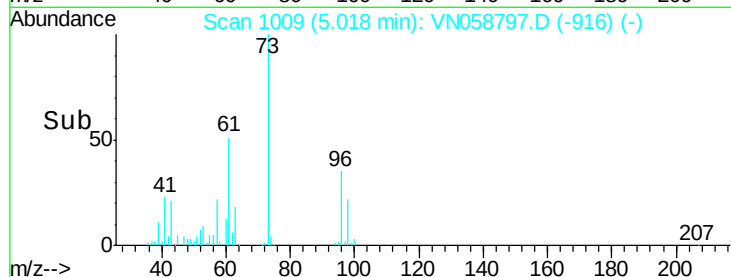
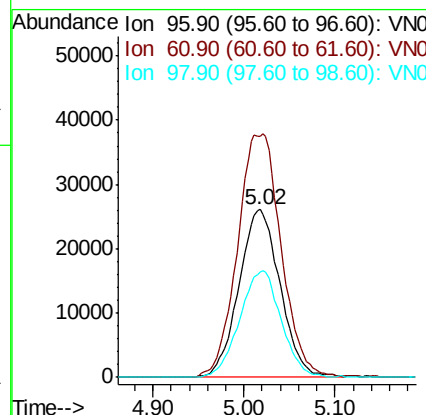
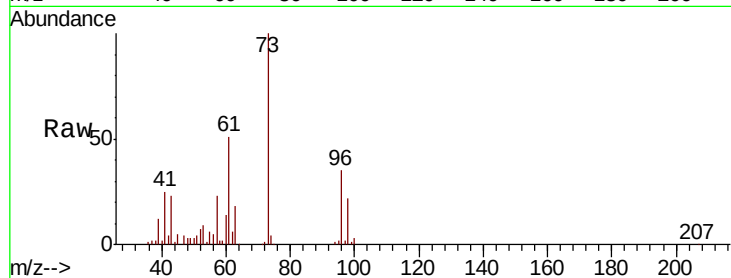




#21
trans-1,2-Dichloroethene
Concen: 19.961 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

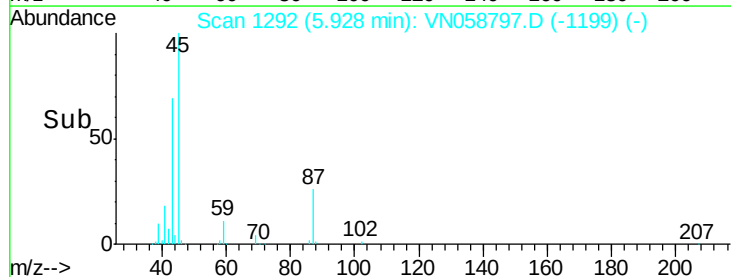
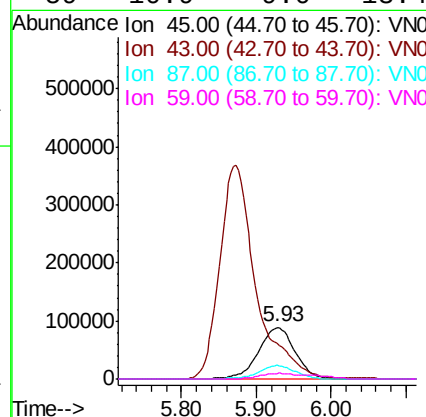
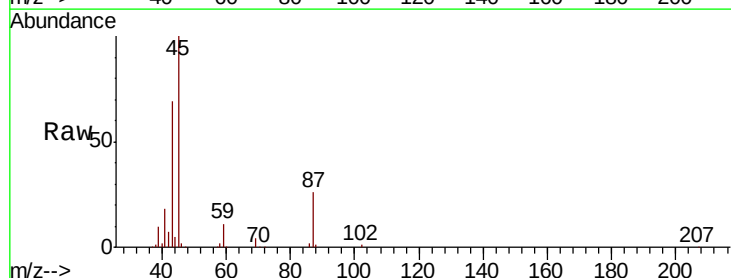
Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

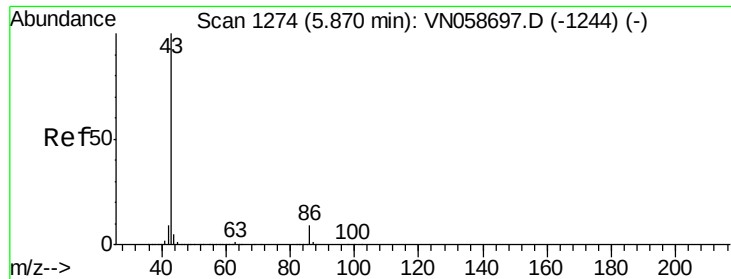
Tot Ion: 96 Resp: 81871
Ion Ratio Lower Upper
96 100
61 144.1 123.6 185.4
98 63.0 52.1 78.1



#22
Diisopropyl ether
Concen: 20.968 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Tgt Ion: 45 Resp: 301682
Ion Ratio Lower Upper
45 100
43 66.3 50.6 75.8
87 26.1 21.1 31.7
59 10.9 9.0 13.4





#23

Vinyl Acetate

Concen: 106.879 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

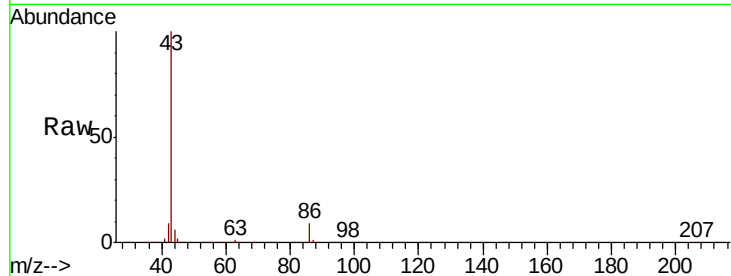
VN1016WBS01

Tot Ion: 43 Resp: 1240794

Ion Ratio Lower Upper

43 100

86 9.0 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.87

400000

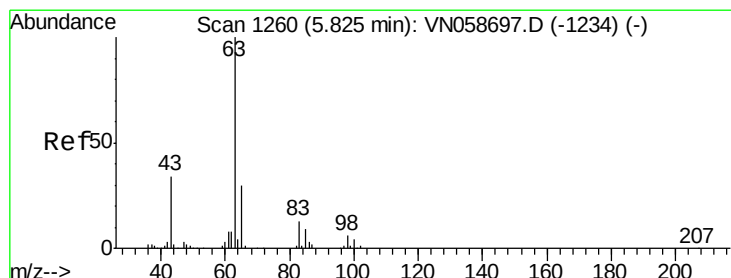
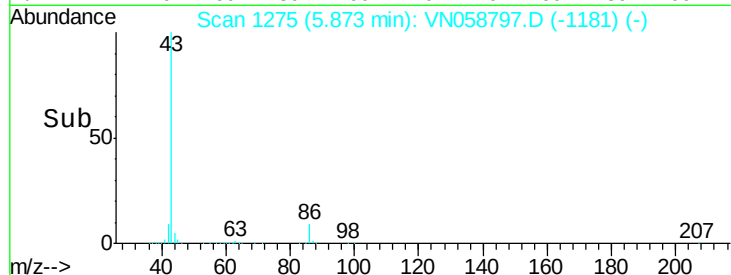
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.596 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

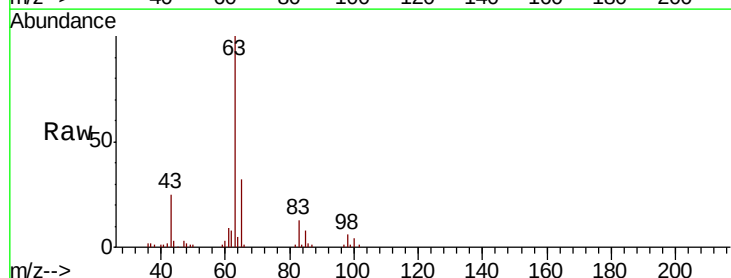
Tgt Ion: 63 Resp: 168763

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.6

100 4.4 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

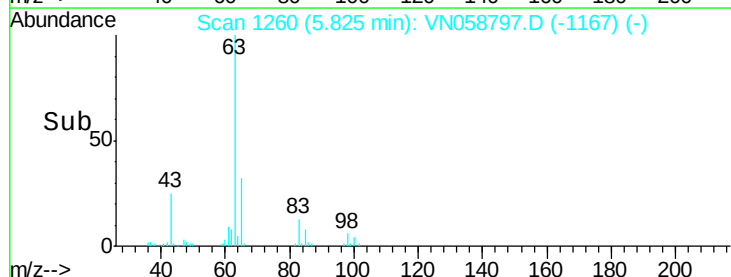
60000

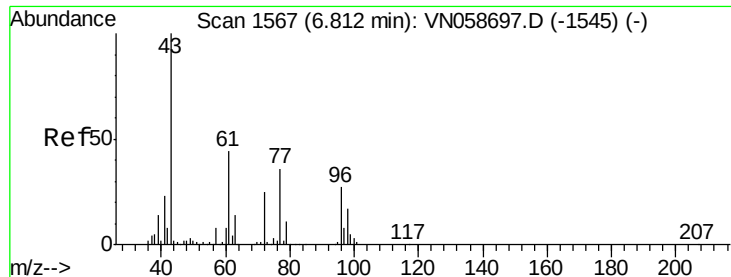
40000

20000

0

Time-->





#25

2-Butanone

Concen: 102.795 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

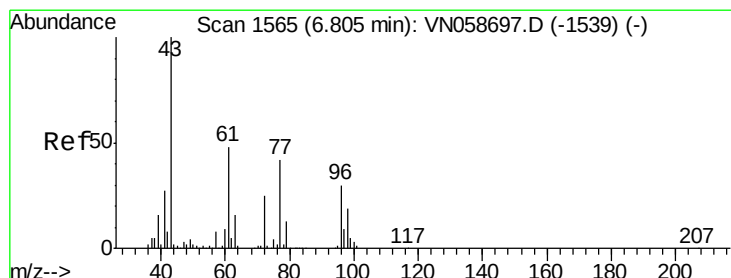
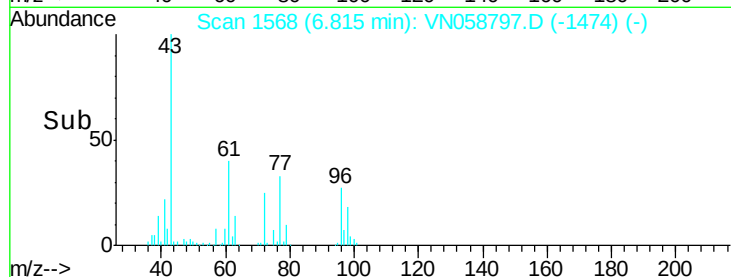
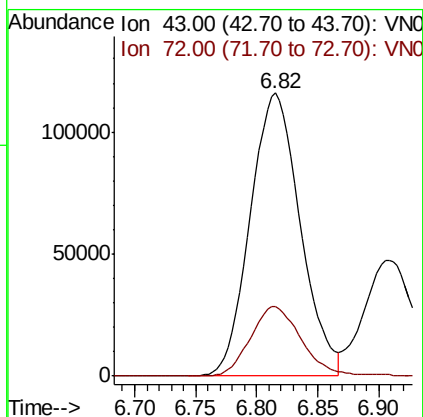
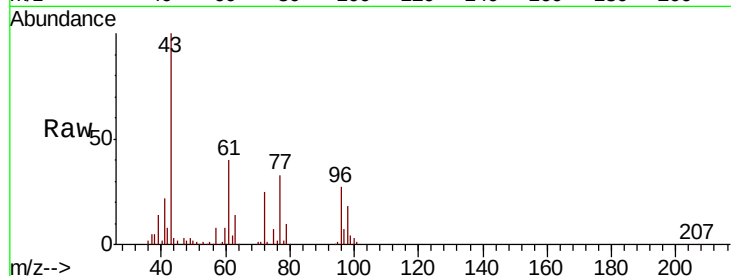
VN1016WBS01

Tot Ion: 43 Resp: 328794

Ion Ratio Lower Upper

43 100

72 24.7 20.2 30.2



#26

2,2-Dichloropropane

Concen: 19.220 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058797.D

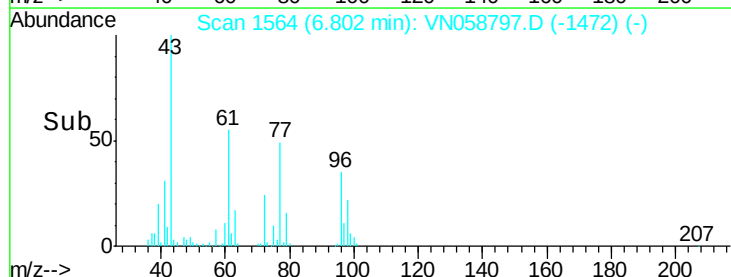
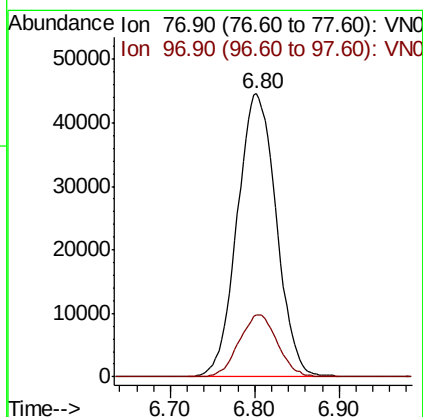
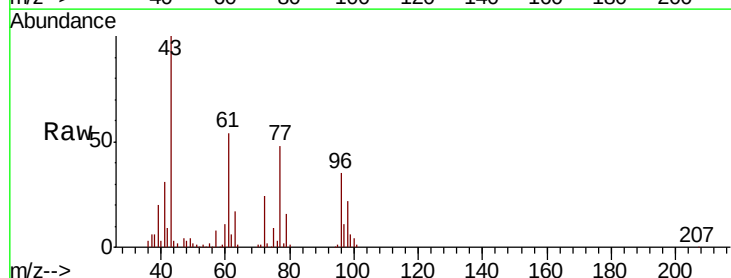
Acq: 16 Oct 2019 13:36

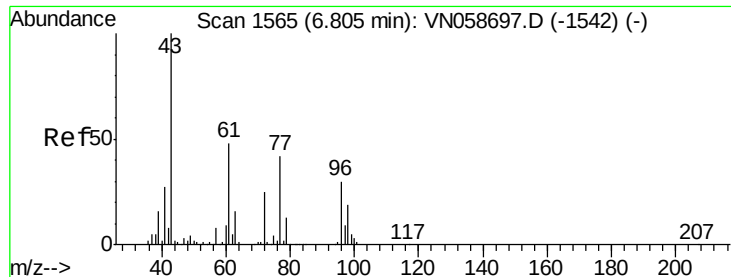
Tgt Ion: 77 Resp: 143763

Ion Ratio Lower Upper

77 100

97 21.4 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 19.995 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

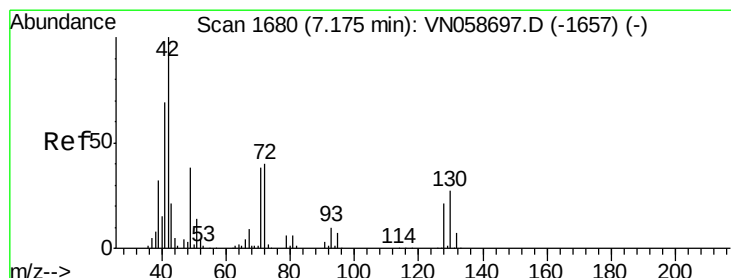
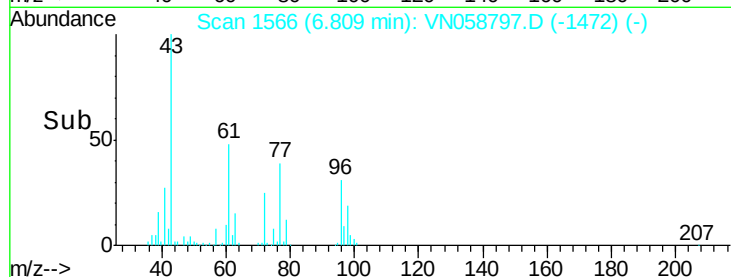
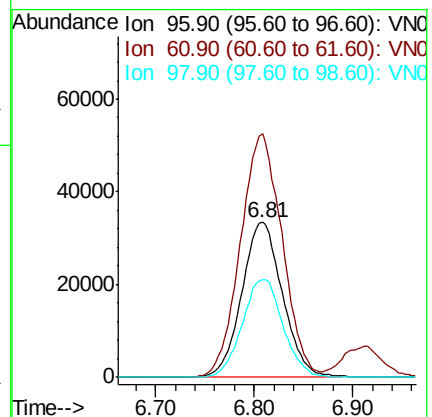
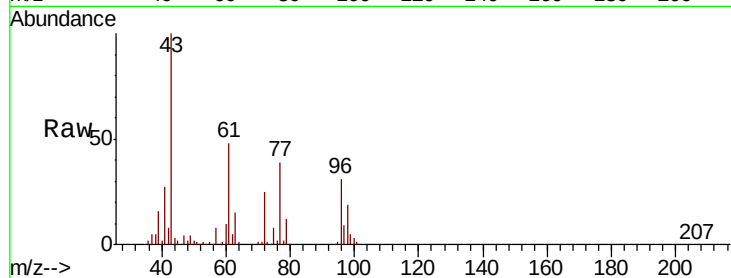
Tot Ion: 96 Resp: 95634

Ion Ratio Lower Upper

96 100

61 161.0 0.0 324.8

98 63.0 0.0 129.2



#28

Bromochloromethane

Concen: 21.172 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

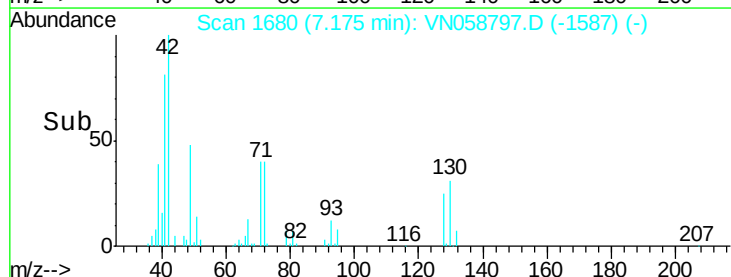
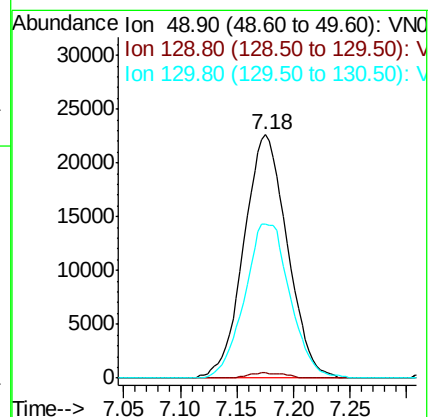
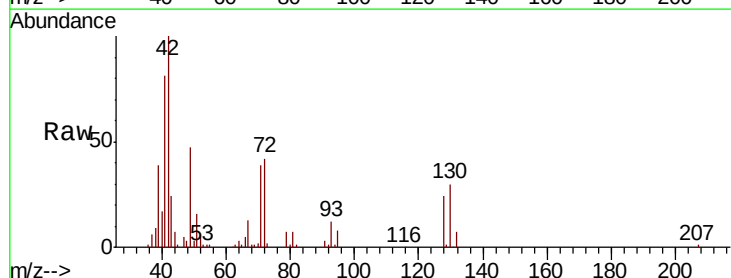
Tgt Ion: 49 Resp: 60355

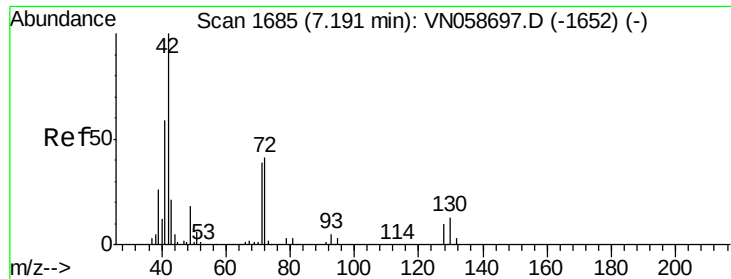
Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.6

130 66.3 55.0 82.4

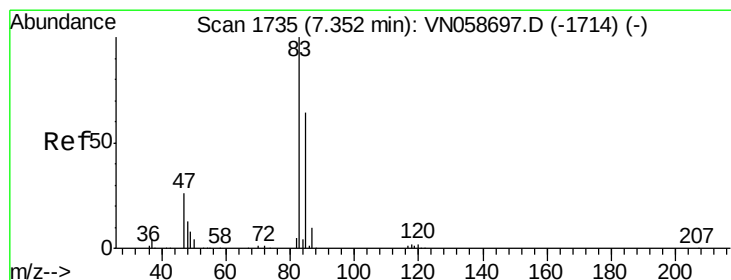
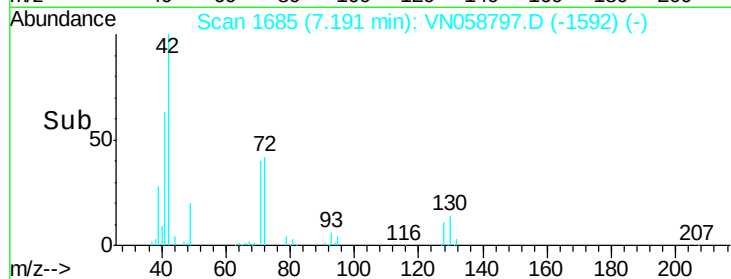
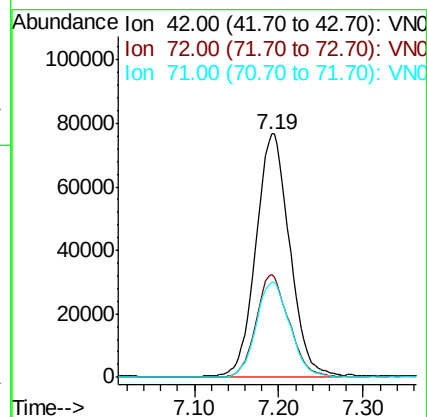
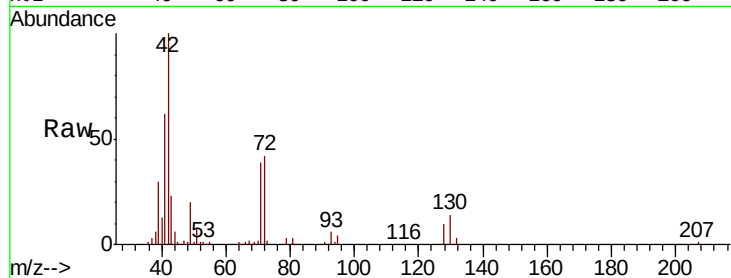




#29
Tetrahydrofuran
Concen: 104.065 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

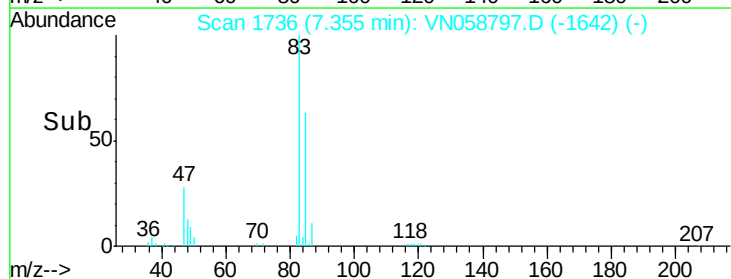
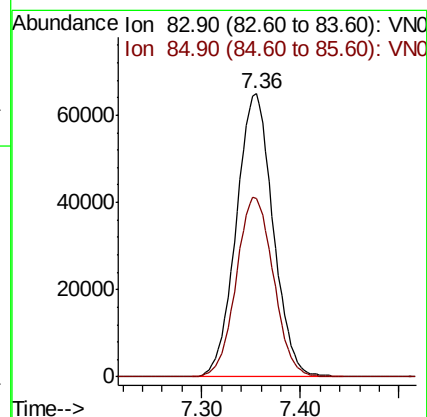
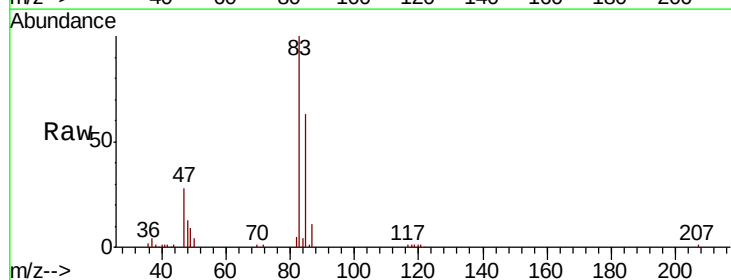
Instrument :
MSVOA_N
ClientSampled :
VN1016WBS01

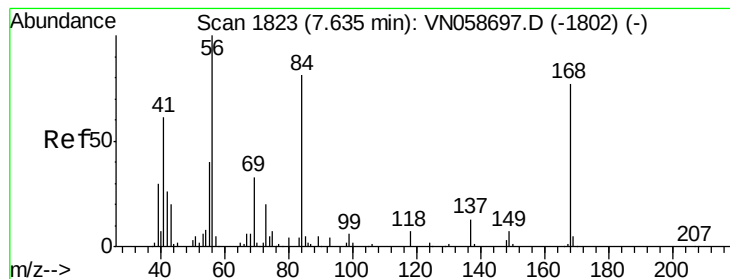
Tot Ion: 42 Resp: 215101
Ion Ratio Lower Upper
42 100
72 40.9 32.8 49.2
71 39.0 31.1 46.7



#30
Chloroform
Concen: 20.409 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Tgt Ion: 83 Resp: 168023
Ion Ratio Lower Upper
83 100
85 63.0 51.0 76.6





#31

Cyclohexane

Concen: 19.388 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

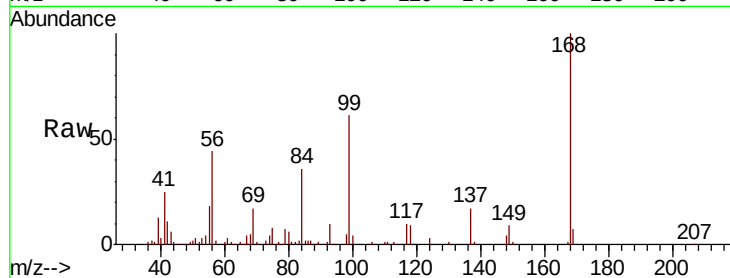
Tot Ion: 56 Resp: 152008

Ion Ratio Lower Upper

56 100

69 37.7 26.2 39.4

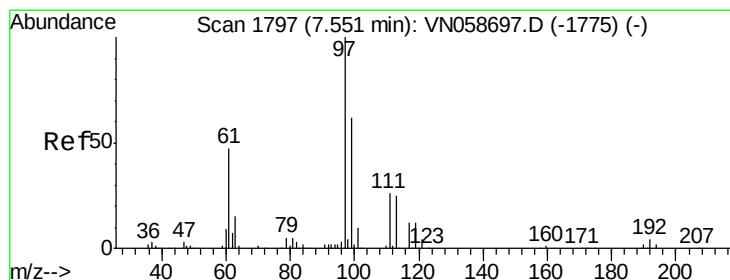
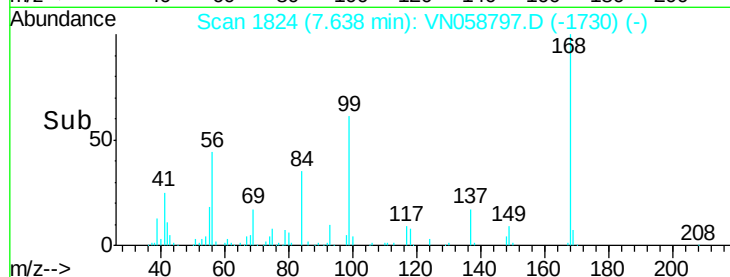
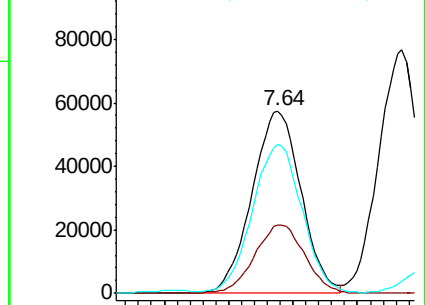
84 80.4 64.9 97.3



Abundance Ion 56.00 (55.70 to 56.70): VN058797.D (-1730) (-)

Ion 69.00 (68.70 to 69.70): VN058797.D (-1730) (-)

Ion 84.00 (83.70 to 84.70): VN058797.D (-1730) (-)



#32

1,1,1-Trichloroethane

Concen: 21.009 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

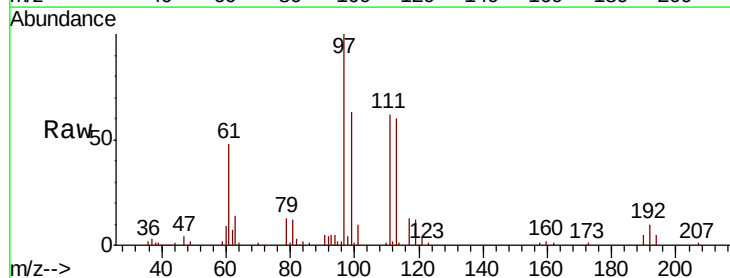
Tgt Ion: 97 Resp: 147503

Ion Ratio Lower Upper

97 100

99 63.4 50.8 76.2

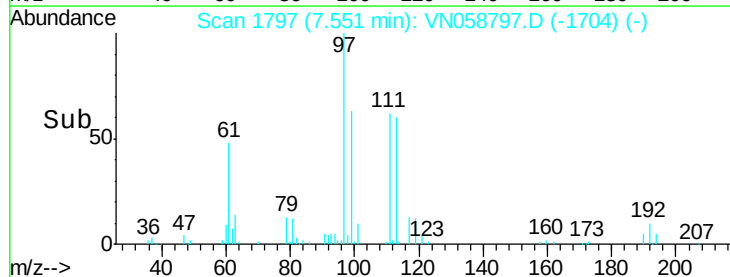
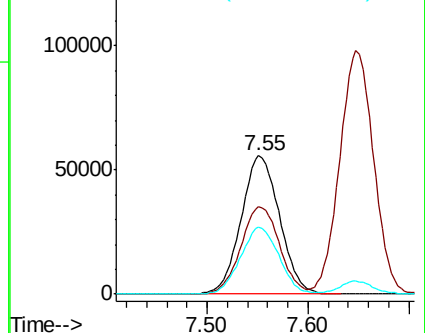
61 48.3 38.1 57.1

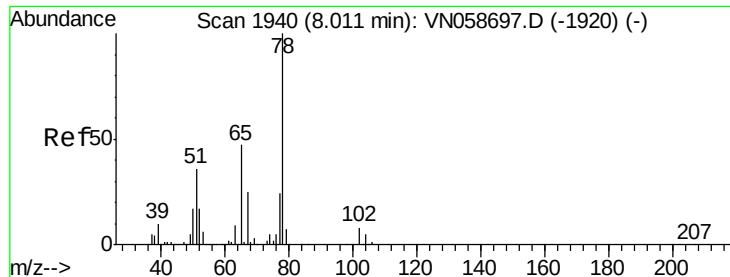


Abundance Ion 96.90 (96.60 to 97.60): VN058797.D (-1704) (-)

Ion 98.90 (98.60 to 99.60): VN058797.D (-1704) (-)

Ion 60.90 (60.60 to 61.60): VN058797.D (-1704) (-)

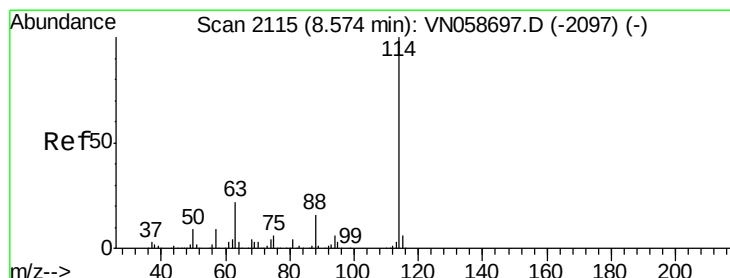
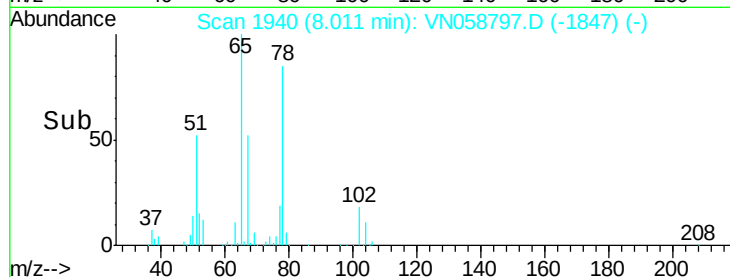
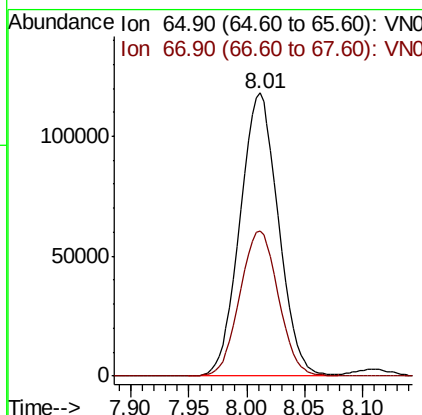
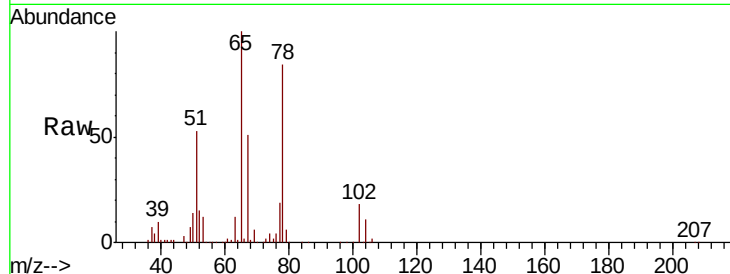




#33
 1,2-Dichloroethane-d4
 Concen: 51.044 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058797.D
 Acq: 16 Oct 2019 13:36

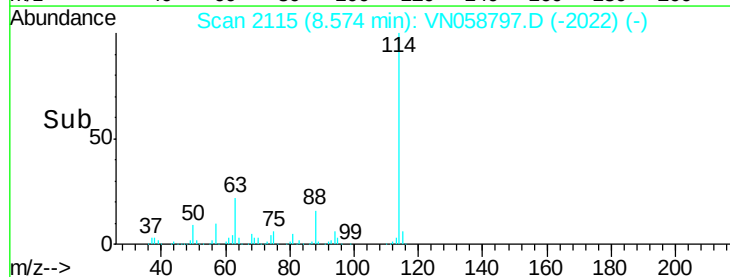
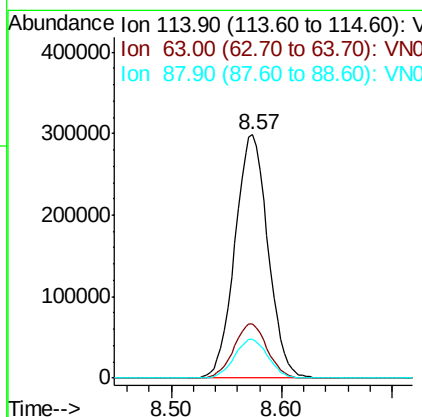
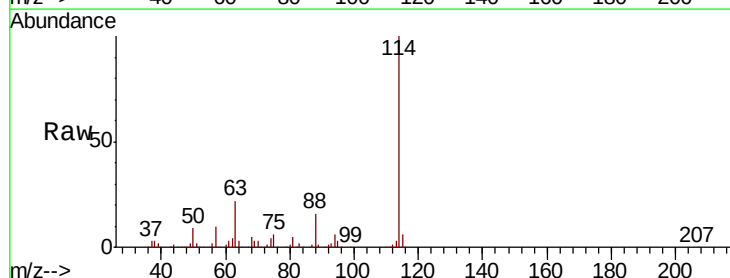
Instrument :
 MSVOA_N
 ClientSampled :
 VN1016WBS01

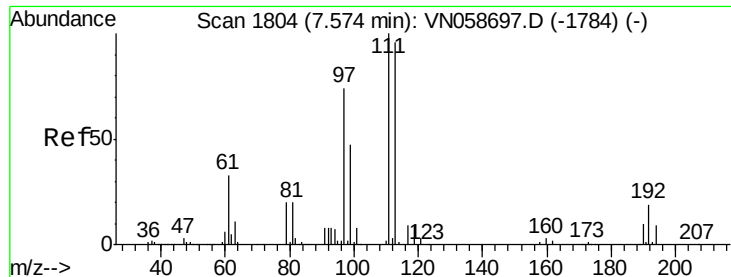
Tot Ion: 65 Resp: 272845
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058797.D
 Acq: 16 Oct 2019 13:36

Tgt Ion: 114 Resp: 619195
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.8
 88 15.9 0.0 32.0

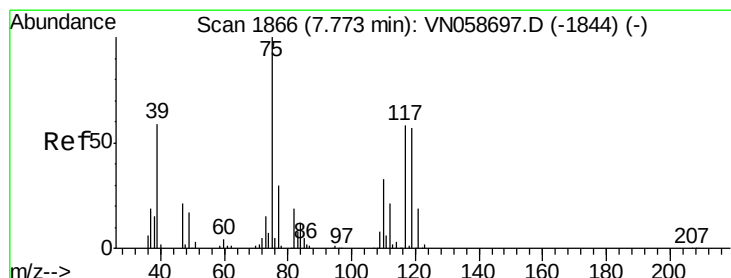
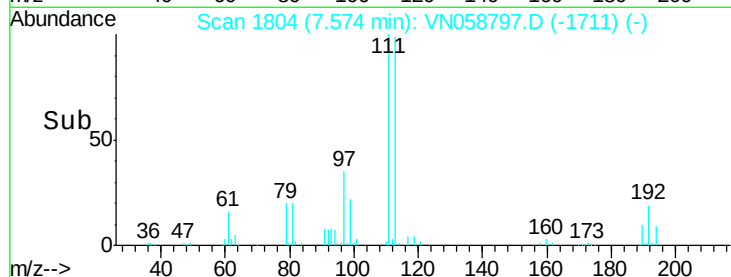
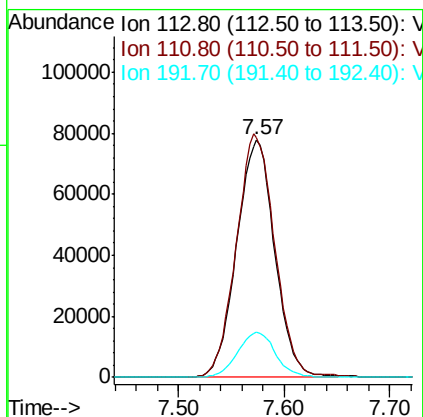
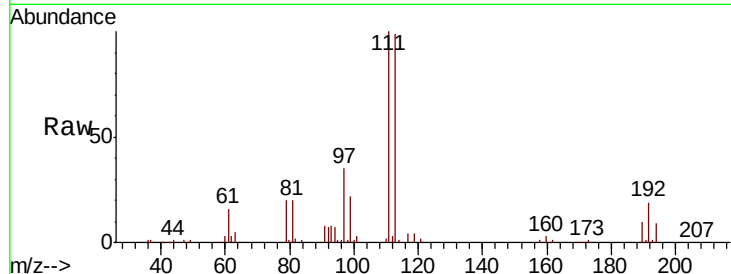




#35
 Dibromofluoromethane
 Concen: 50.981 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058797.D
 Acq: 16 Oct 2019 13:36

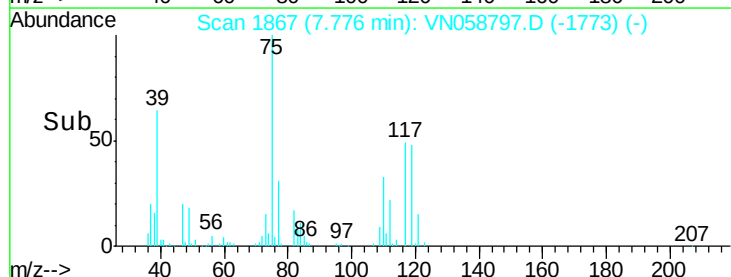
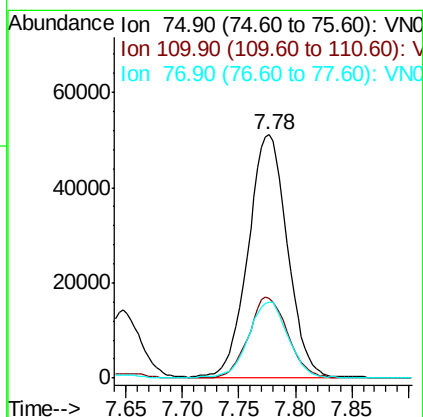
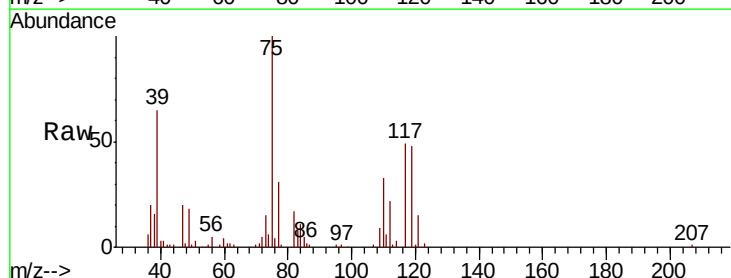
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBS01

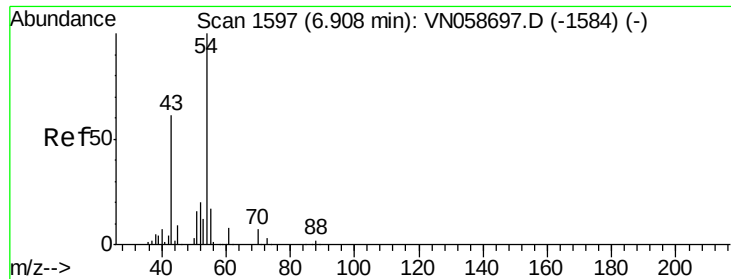
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.3	123.5
192	18.9	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 19.582 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058797.D
 Acq: 16 Oct 2019 13:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.6	49.8
77	31.9	24.6	37.0

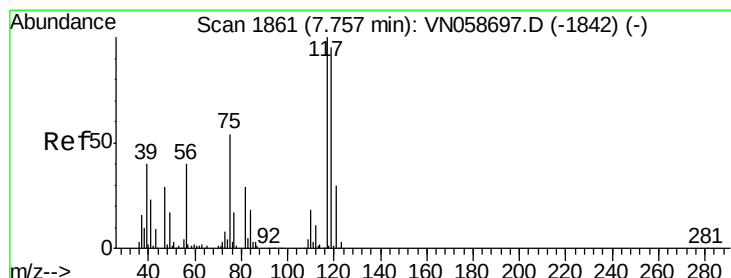
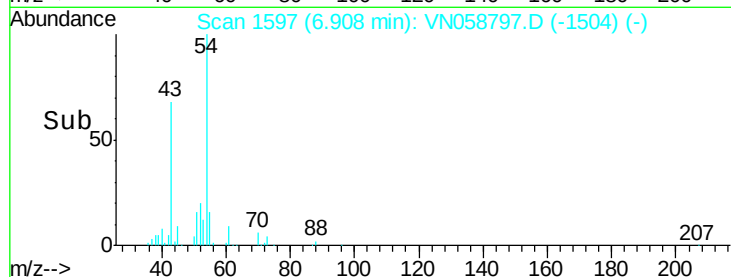
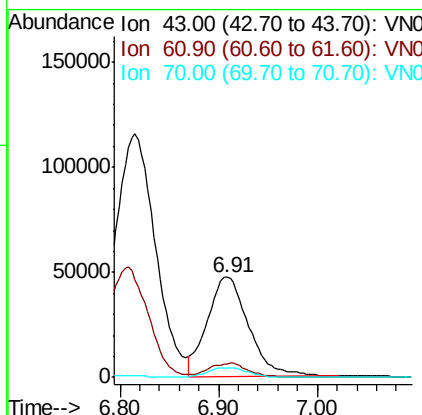
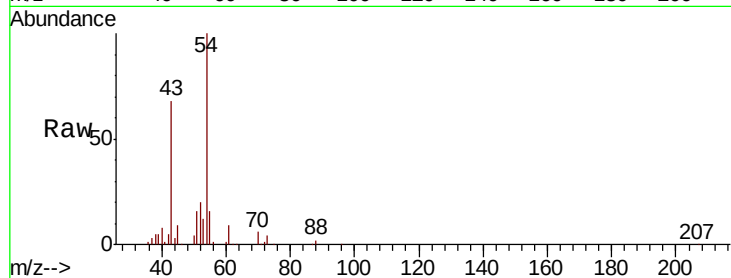




#37
Ethyl Acetate
Concen: 21.735 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

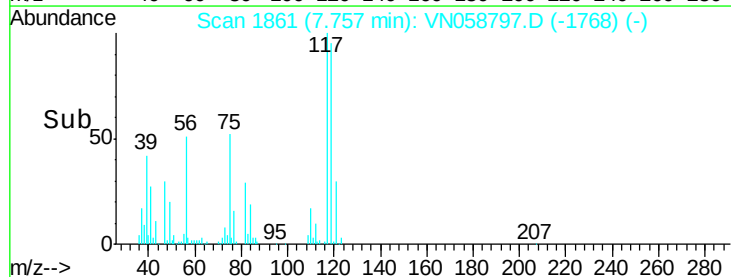
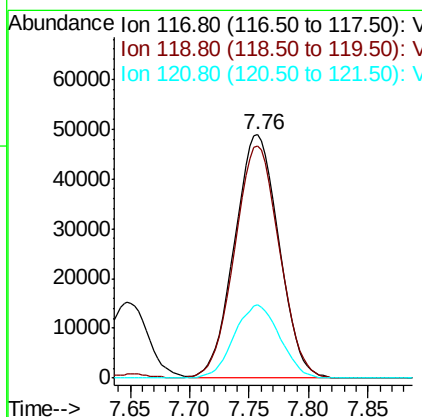
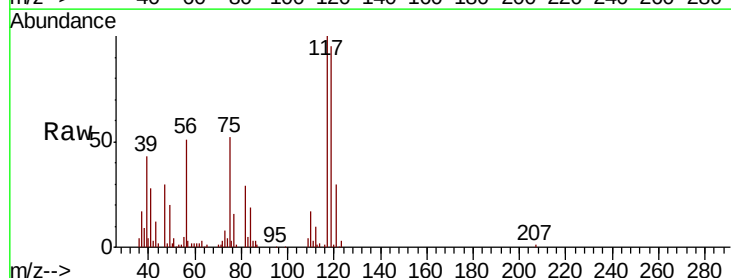
Instrument :
MSVOA_N
ClientSampled :
VN1016WBS01

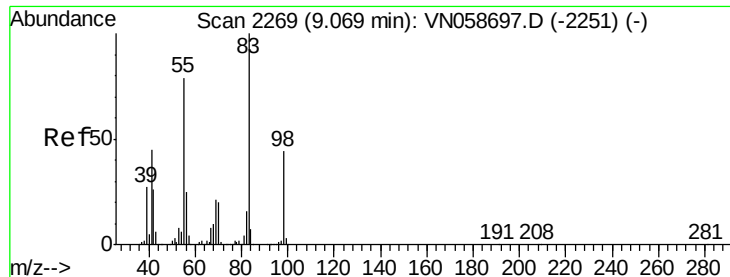
Tot Ion: 43 Resp: 137612
Ion Ratio Lower Upper
43 100
61 13.2 11.3 16.9
70 4.1 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 20.760 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Tgt Ion: 117 Resp: 126668
Ion Ratio Lower Upper
117 100
119 95.5 75.7 113.5
121 30.1 23.9 35.9

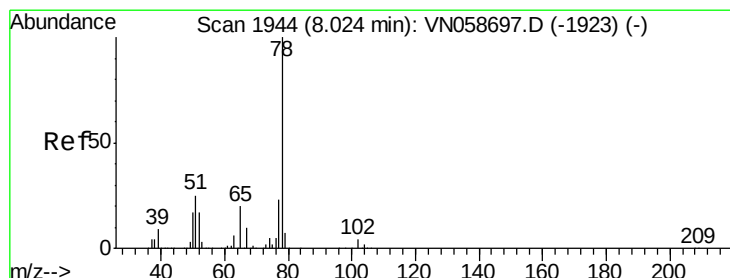
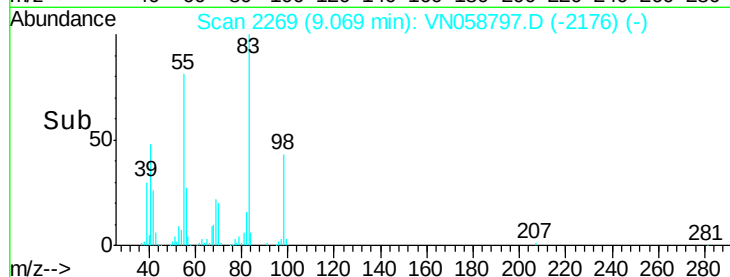
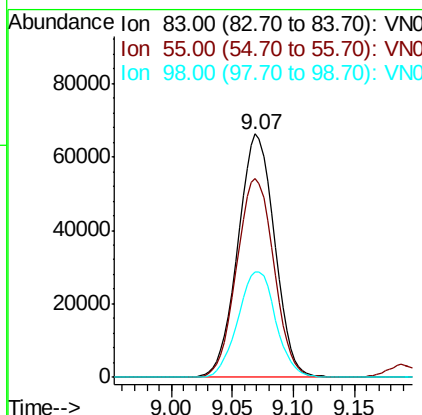
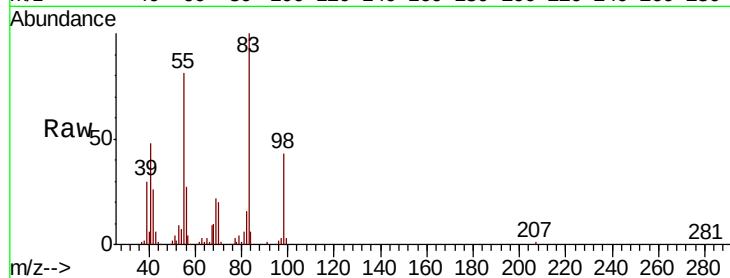




#39
Methylvlcyclohexane
Concen: 18.984 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

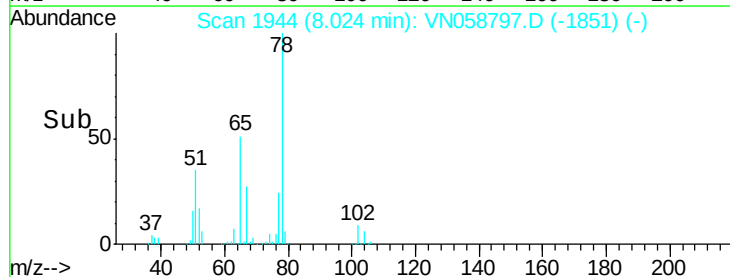
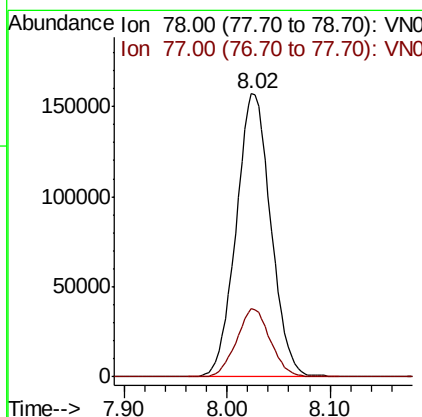
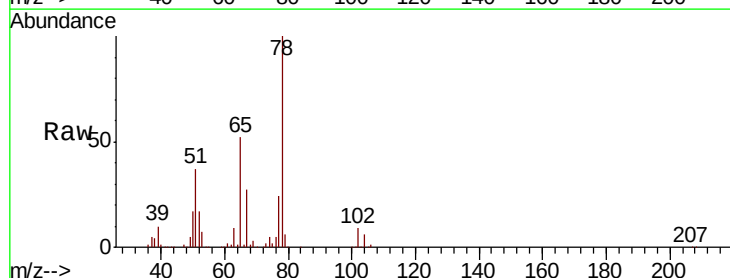
Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

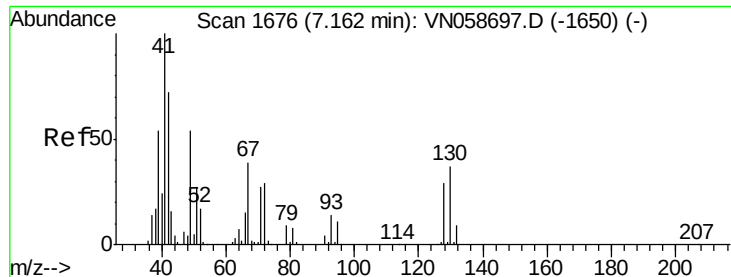
Tot Ion: 83 Resp: 137909
Ion Ratio Lower Upper
83 100
55 81.5 63.4 95.0
98 43.2 35.1 52.7



#40
Benzene
Concen: 20.439 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Tgt Ion: 78 Resp: 367498
Ion Ratio Lower Upper
78 100
77 24.0 18.8 28.2

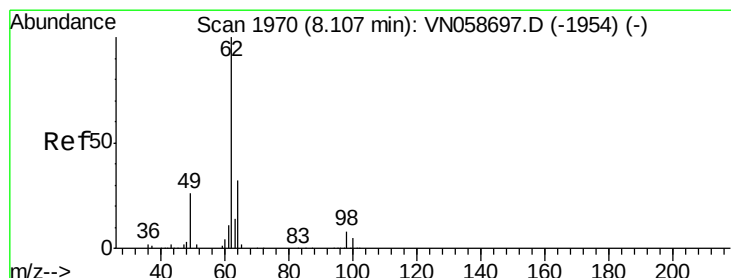
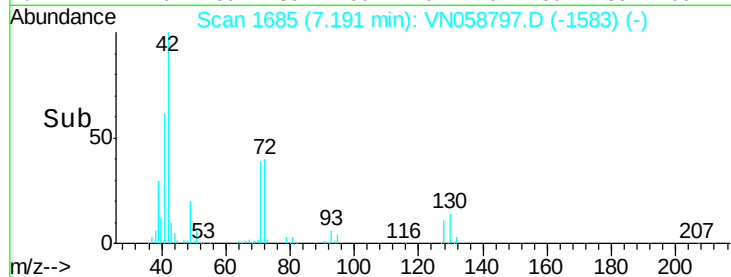
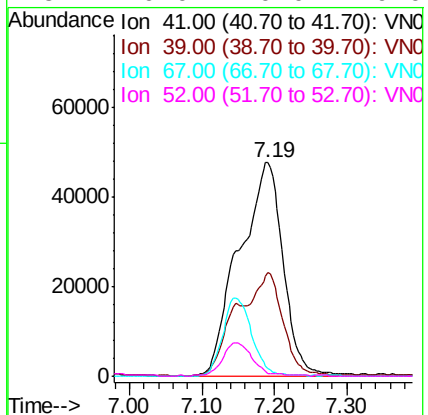
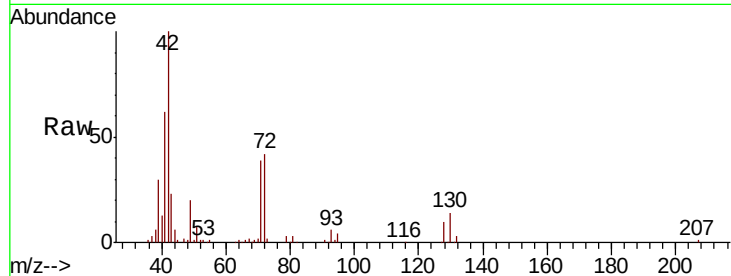




#41
Methacrylonitrile
Concen: 67.667 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.03 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

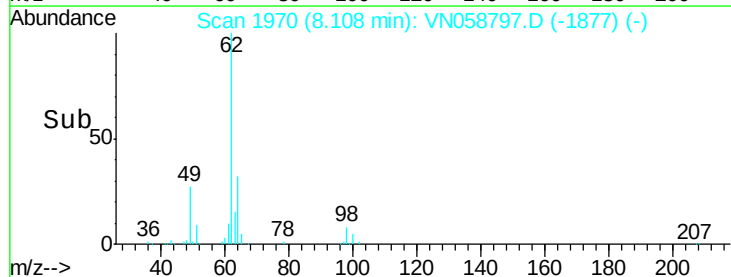
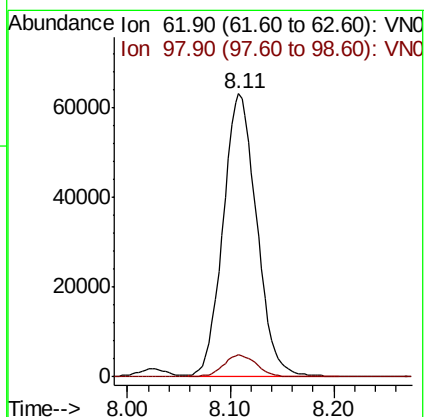
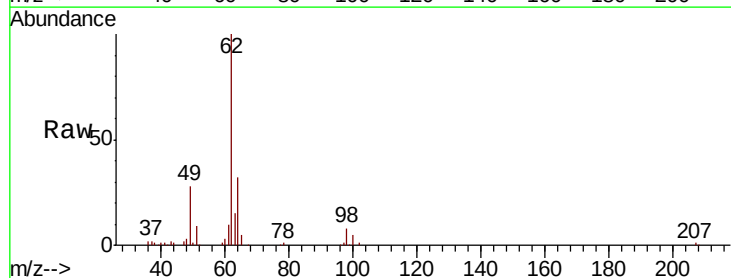
Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

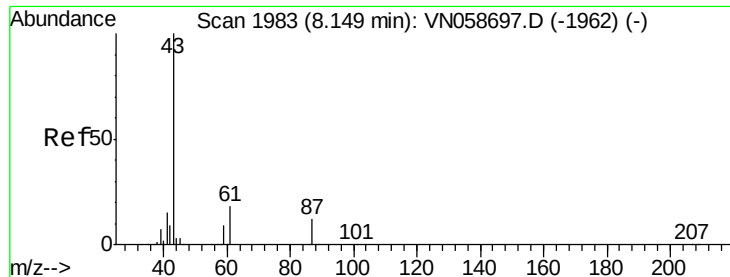
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	115.4	173.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 20.752 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.8





#43

Isopropyl Acetate

Concen: 20.273 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

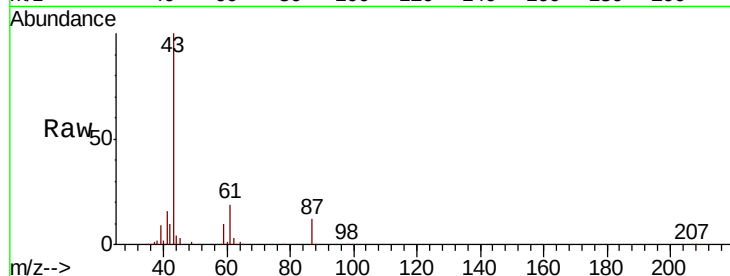
Tot Ion: 43 Resp: 218664

Ion Ratio Lower Upper

43 100

61 25.7 20.3 30.5

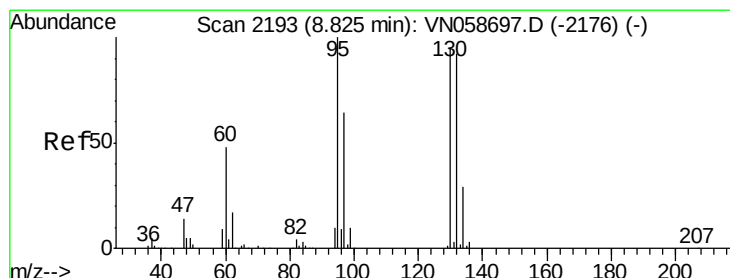
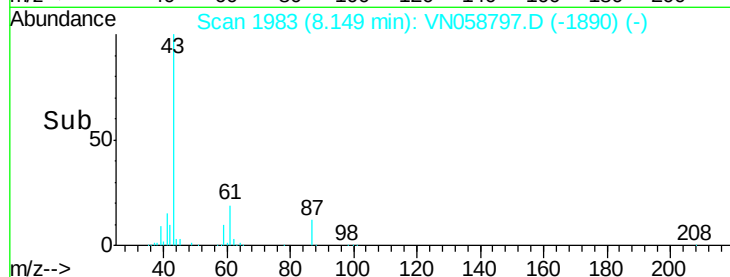
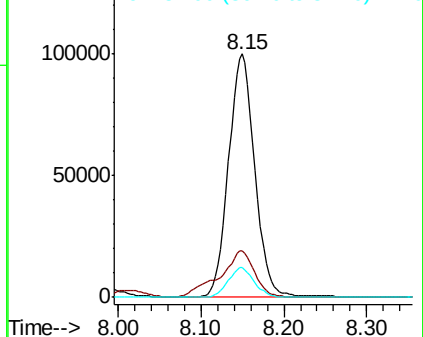
87 12.1 9.8 14.6



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

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

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



#44

Trichloroethene

Concen: 20.442 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VN058797.D

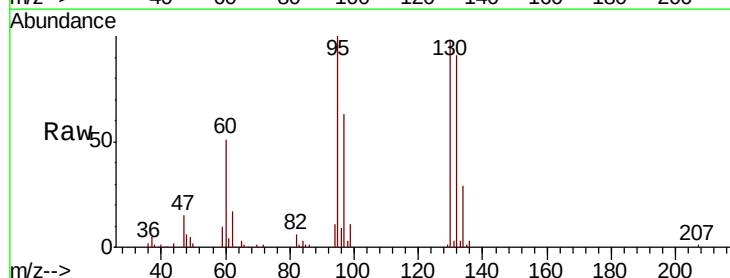
Acq: 16 Oct 2019 13:36

Tgt Ion: 130 Resp: 91275

Ion Ratio Lower Upper

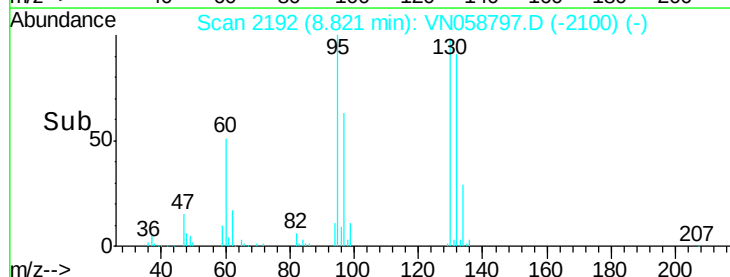
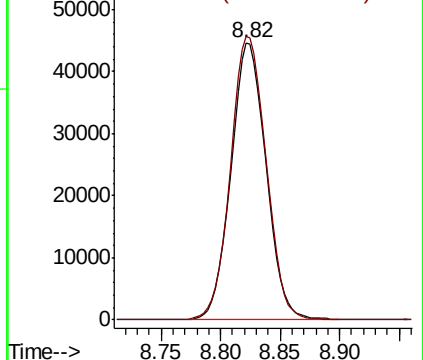
130 100

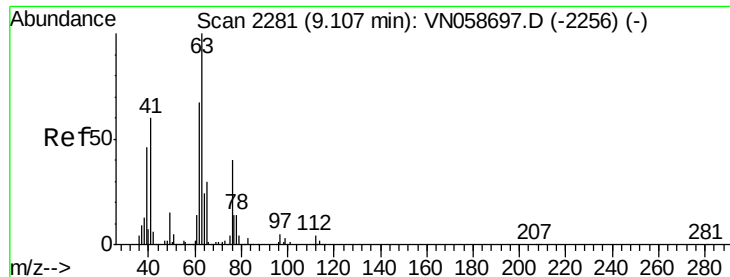
95 102.1 0.0 211.2



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

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

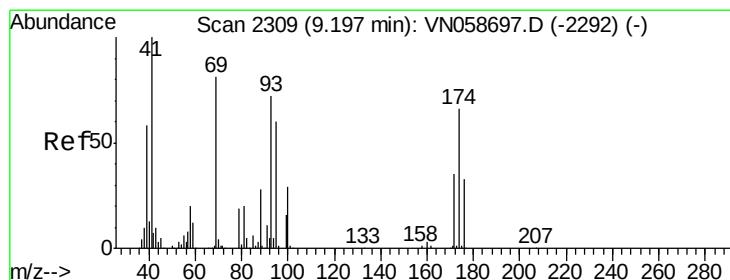
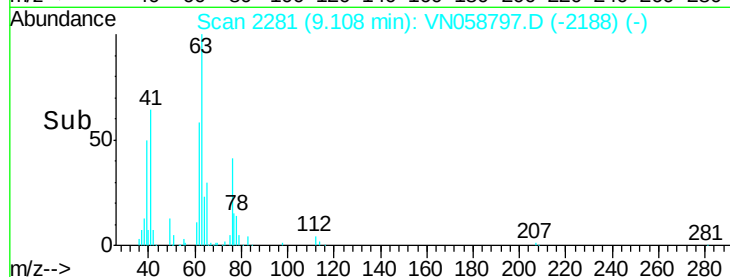
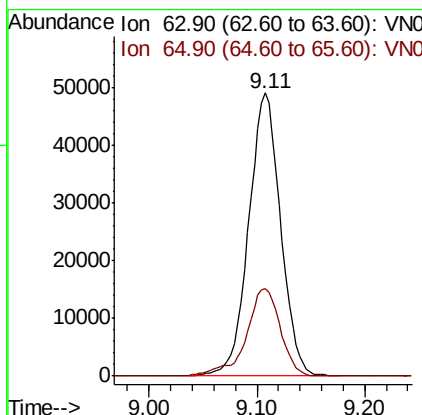
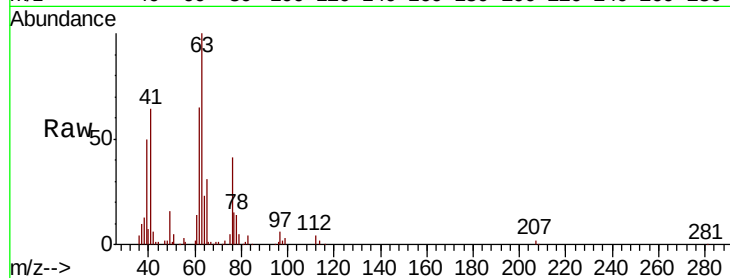




#45
 1,2-Dichloropropane
 Concen: 20.923 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058797.D
 Acq: 16 Oct 2019 13:36

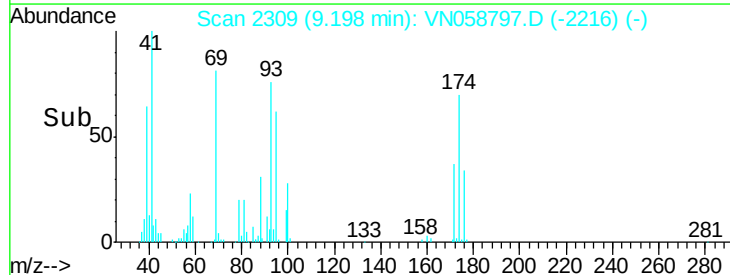
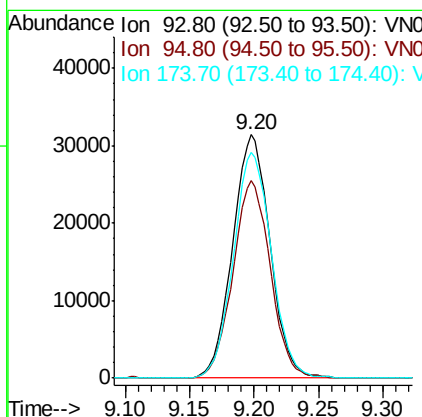
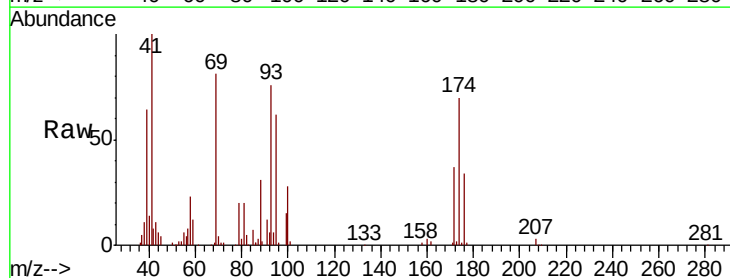
Instrument :
 MSVOA_N
 ClientSampled :
 VN1016WBS01

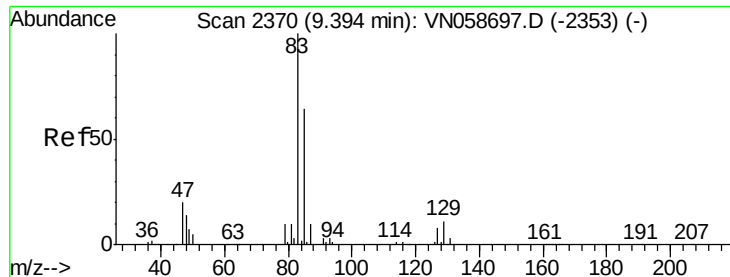
Tot Ion: 63 Resp: 100708
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.1 36.1



#46
 Dibromomethane
 Concen: 20.827 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058797.D
 Acq: 16 Oct 2019 13:36

Tgt Ion: 93 Resp: 63557
 Ion Ratio Lower Upper
 93 100
 95 81.1 66.6 100.0
 174 94.1 75.2 112.8

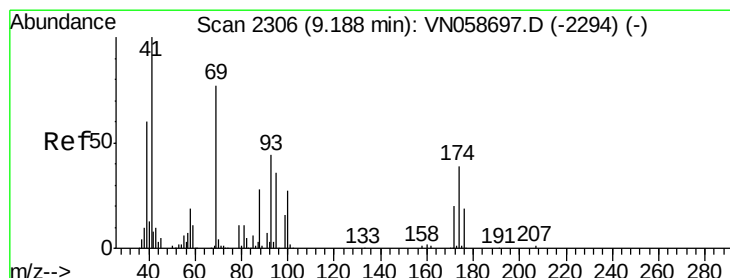
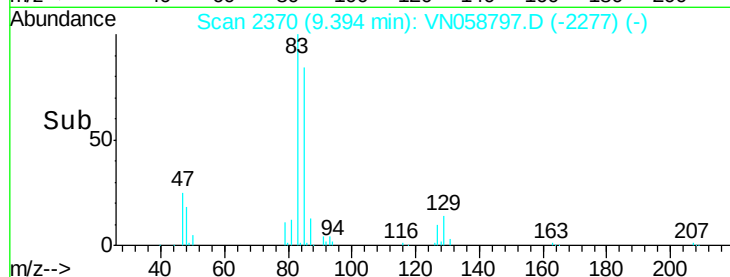
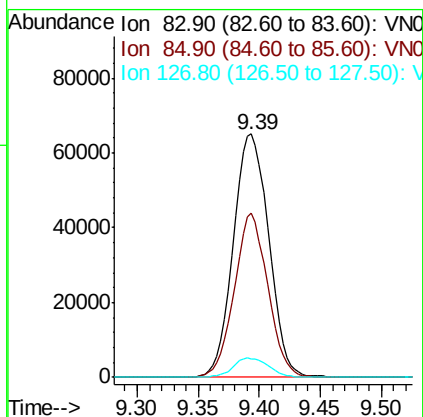
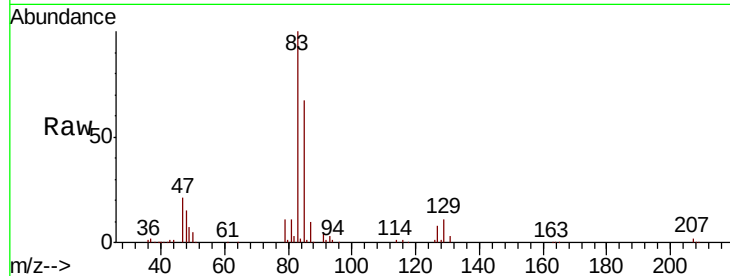




#47
Bromodichloromethane
Concen: 21.090 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

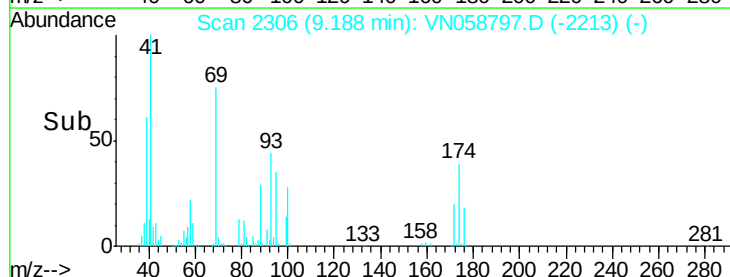
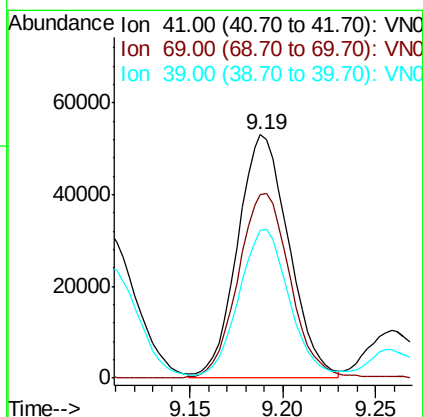
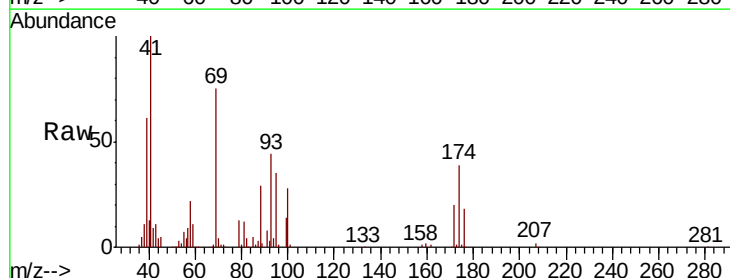
Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

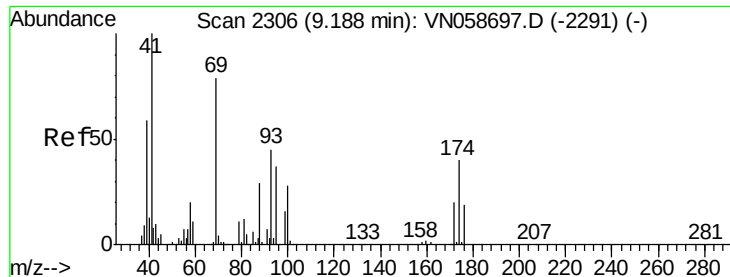
Tot Ion: 83 Resp: 131056
Ion Ratio Lower Upper
83 100
85 67.4 50.9 76.3
127 7.8 6.3 9.5



#48
Methyl methacrylate
Concen: 20.769 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Tgt Ion: 41 Resp: 101543
Ion Ratio Lower Upper
41 100
69 77.3 63.4 95.2
39 60.3 48.9 73.3

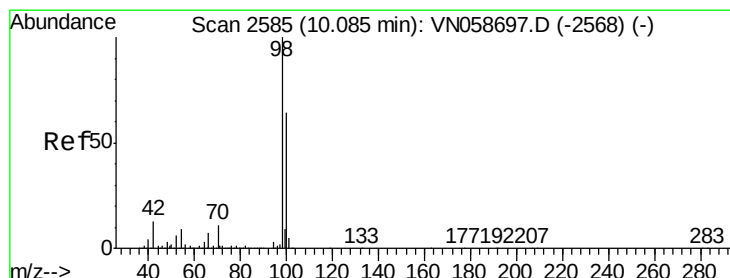
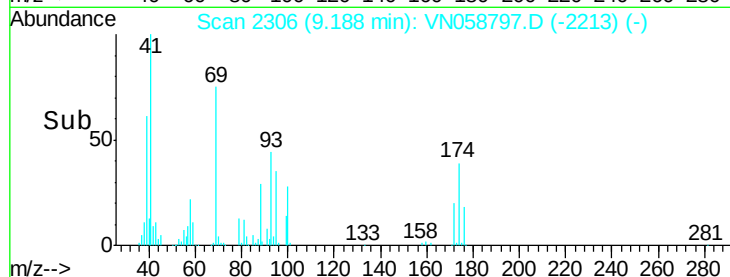
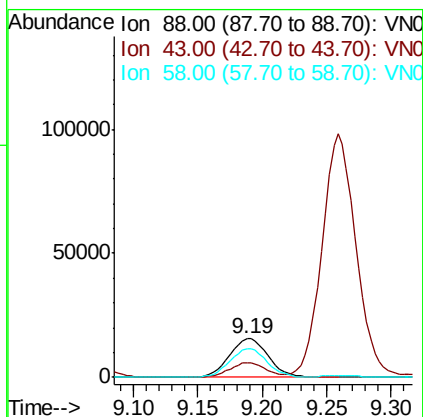
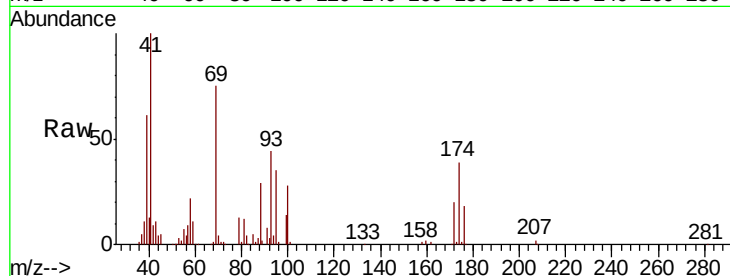




#49
1,4-Dioxane
Concen: 430.725 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

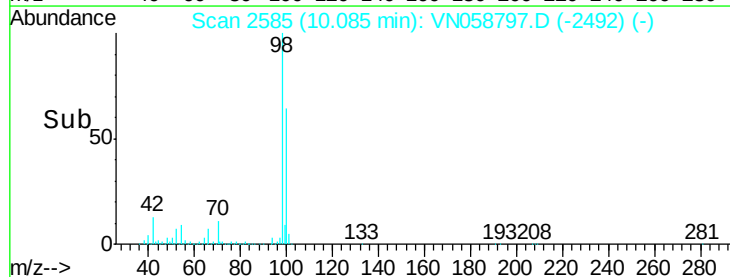
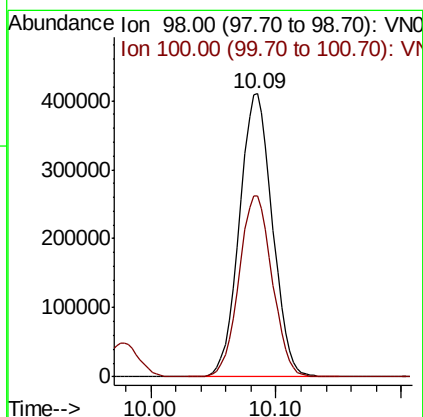
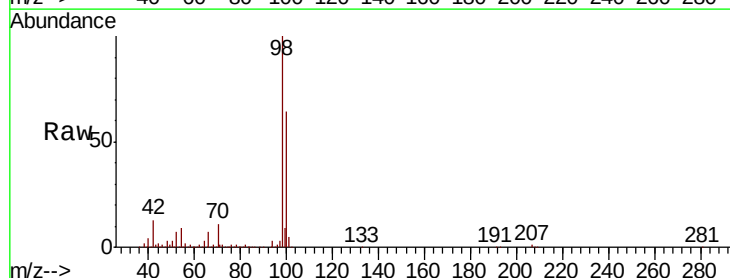
Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

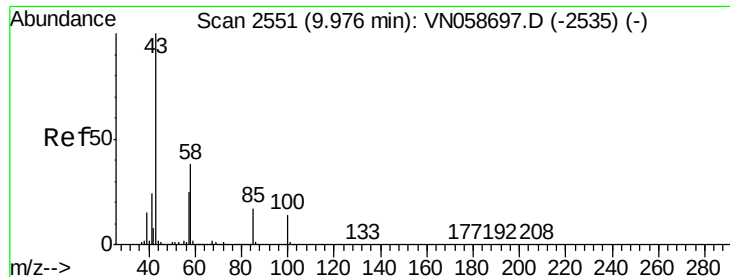
Tot Ion: 88 Resp: 32579
Ion Ratio Lower Upper
88 100
43 36.5 28.6 43.0
58 72.6 57.2 85.8



#50
Toluene-d8
Concen: 48.934 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Tgt Ion: 98 Resp: 748405
Ion Ratio Lower Upper
98 100
100 64.3 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 112.143 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

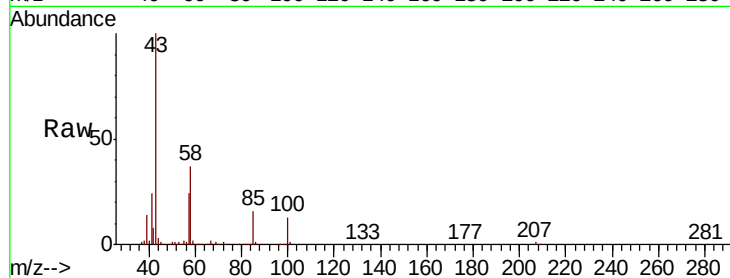
VN1016WBS01

Tot Ion: 43 Resp: 679306

Ion Ratio Lower Upper

43 100

58 36.8 30.3 45.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

400000

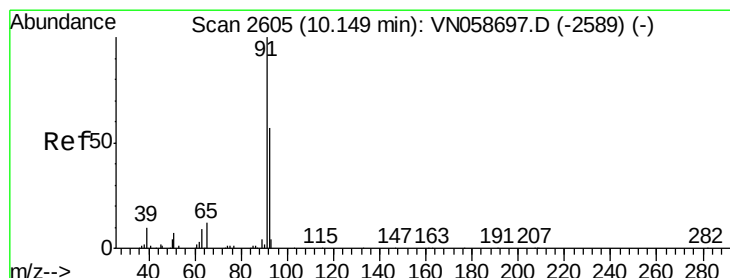
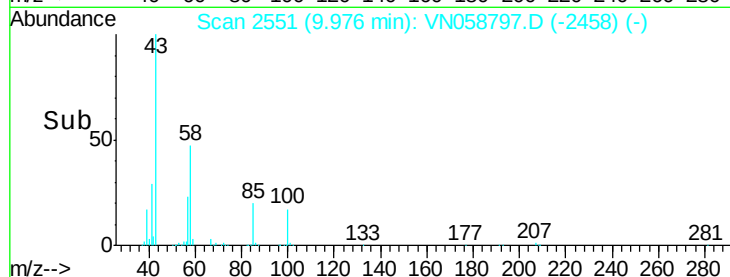
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.202 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058797.D

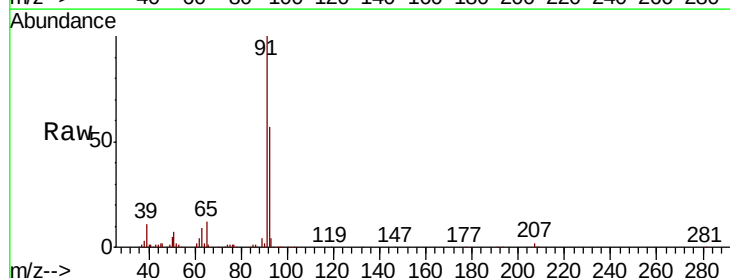
Acq: 16 Oct 2019 13:36

Tgt Ion: 92 Resp: 222160

Ion Ratio Lower Upper

92 100

91 175.2 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

250000

200000

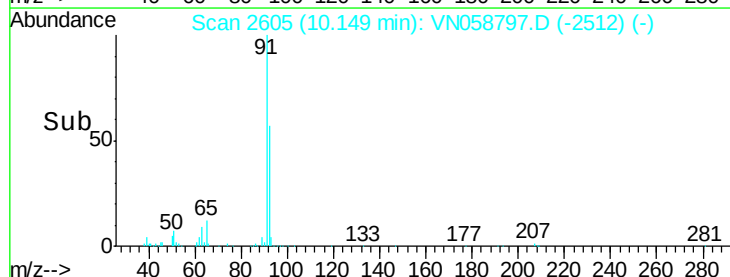
150000

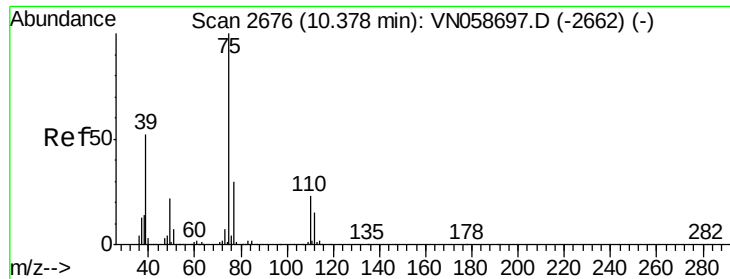
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.979 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

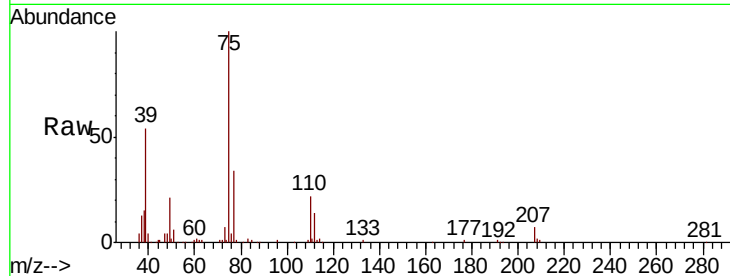
VN1016WBS01

Tot Ion: 75 Resp: 142399

Ion Ratio Lower Upper

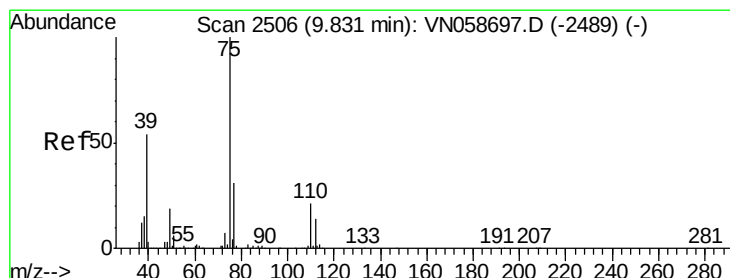
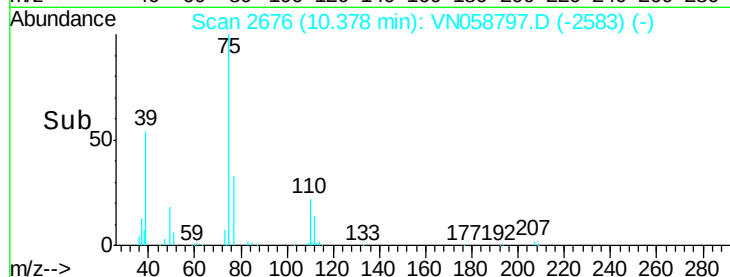
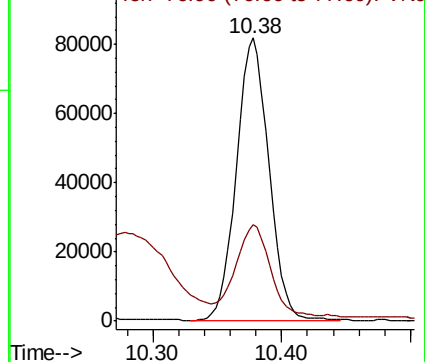
75 100

77 32.5 26.2 39.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.464 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

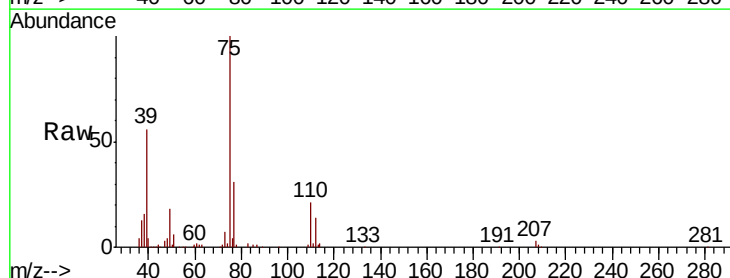
Tgt Ion: 75 Resp: 154860

Ion Ratio Lower Upper

75 100

77 30.9 24.4 36.6

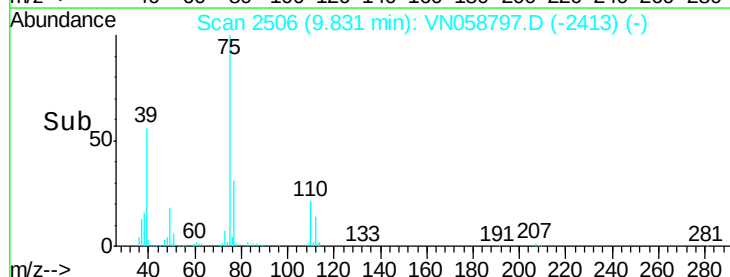
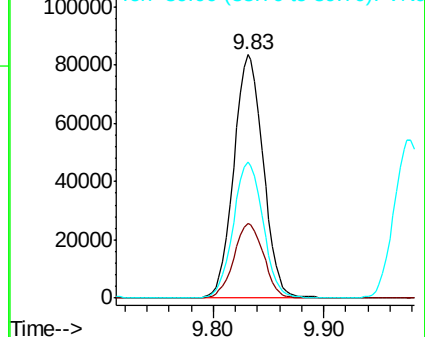
39 55.5 43.1 64.7

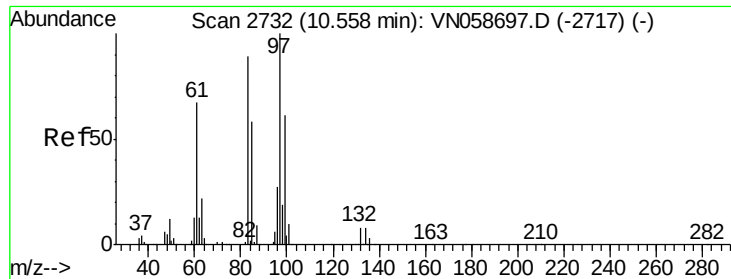


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

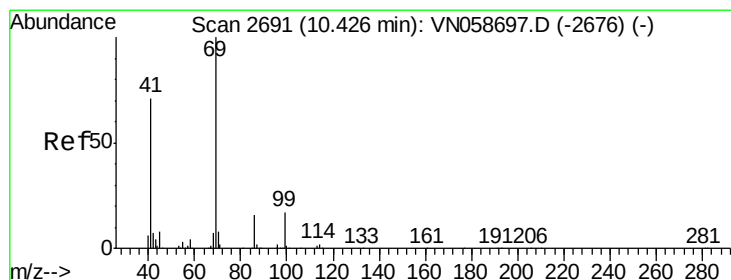
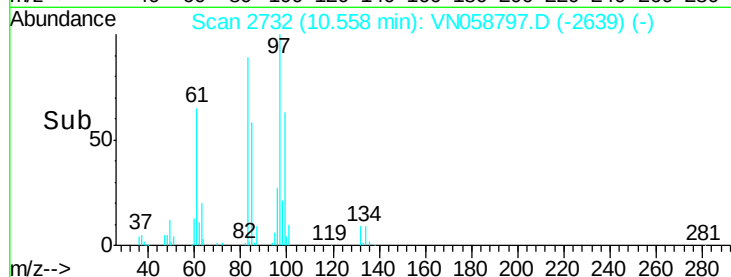
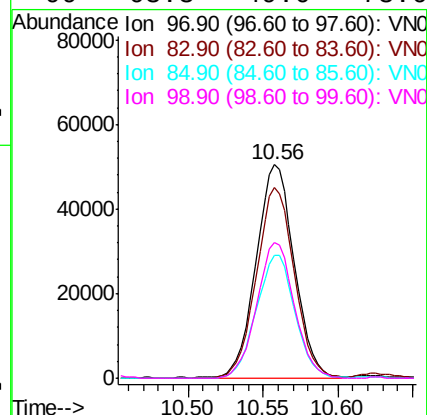
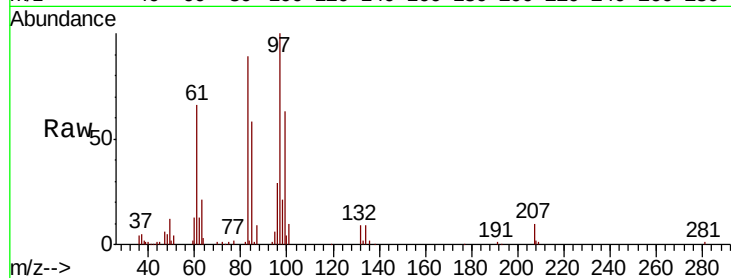




#55
 1,1,2-Trichloroethane
 Concen: 19.917 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058797.D
 Acq: 16 Oct 2019 13:36

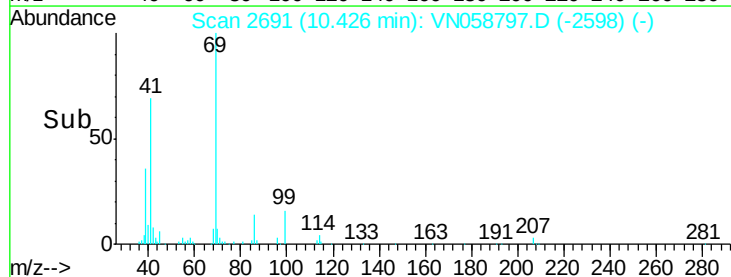
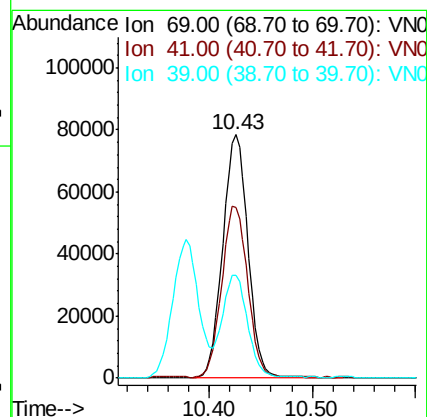
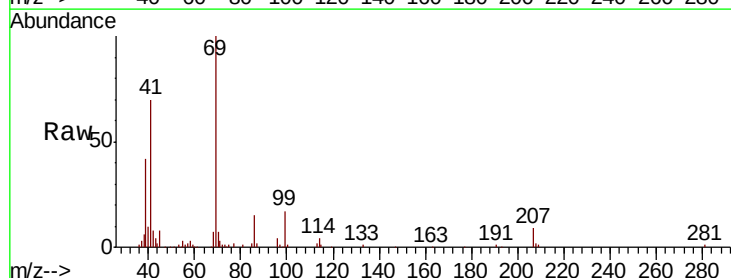
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBS01

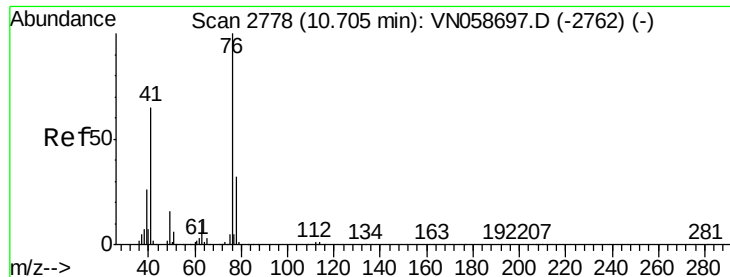
Tot Ion	97	Resp	89645
Ion	Ratio	Lower	Upper
97	100		
83	89.2	71.2	106.8
85	57.6	46.7	70.1
99	63.3	49.0	73.6



#56
 Ethyl methacrylate
 Concen: 20.345 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058797.D
 Acq: 16 Oct 2019 13:36

Tgt Ion	69	Resp	133783
Ion	Ratio	Lower	Upper
69	100		
41	71.7	56.8	85.2
39	41.8	32.5	48.7





#57

1,3-Dichloropropane

Concen: 20.469 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

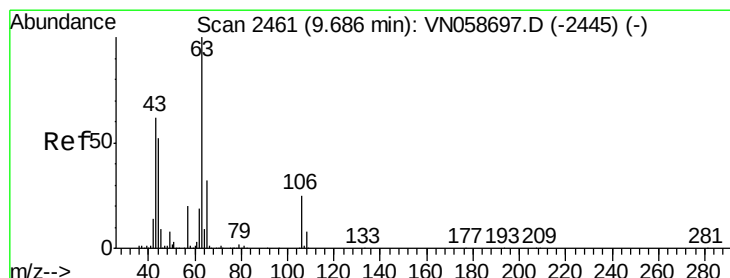
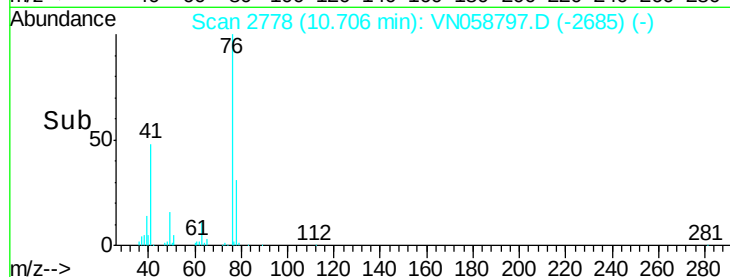
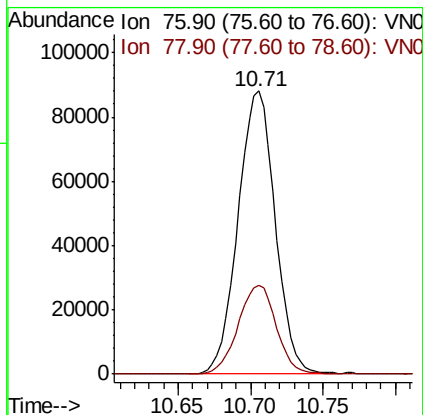
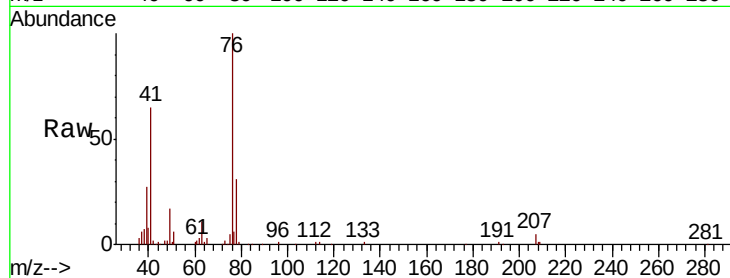
VN1016WBS01

Tot Ion: 76 Resp: 156994

Ion Ratio Lower Upper

76 100

78 32.2 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 101.158 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058797.D

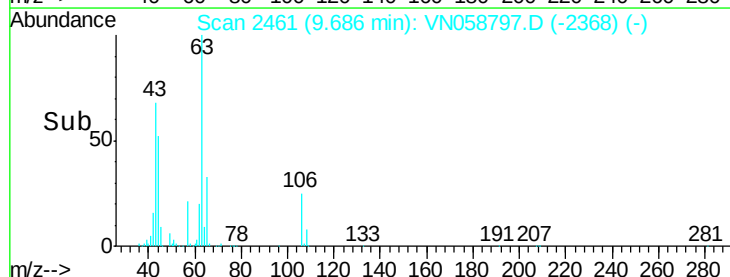
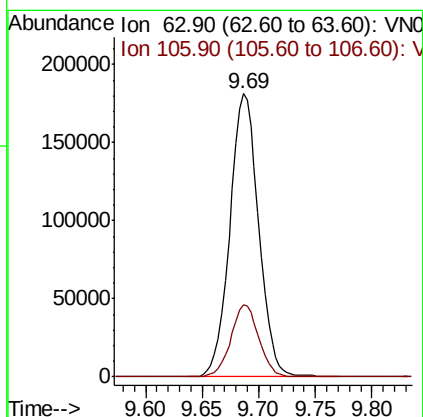
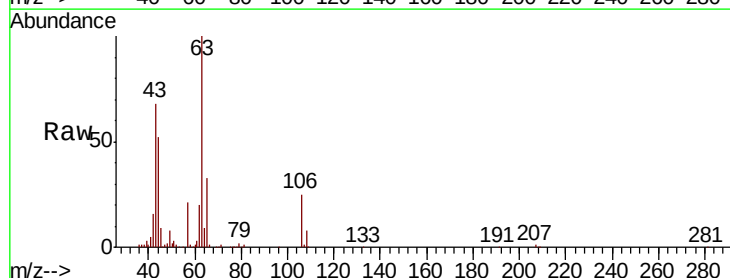
Acq: 16 Oct 2019 13:36

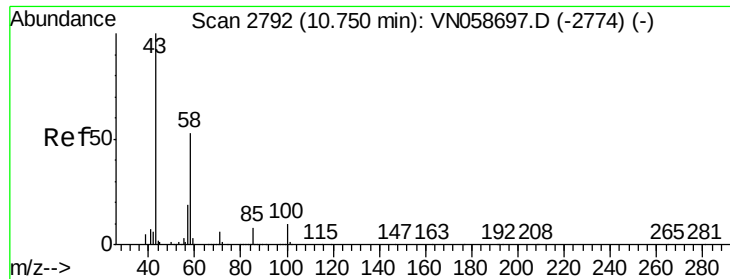
Tgt Ion: 63 Resp: 320563

Ion Ratio Lower Upper

63 100

106 24.9 20.0 30.0

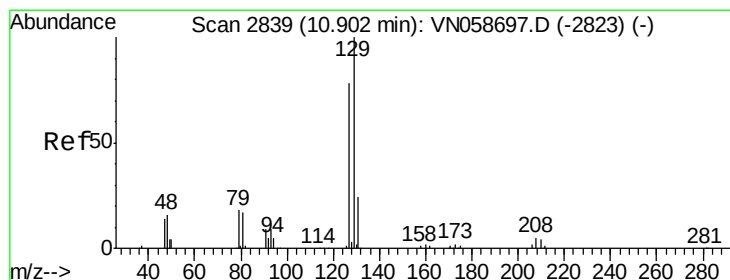
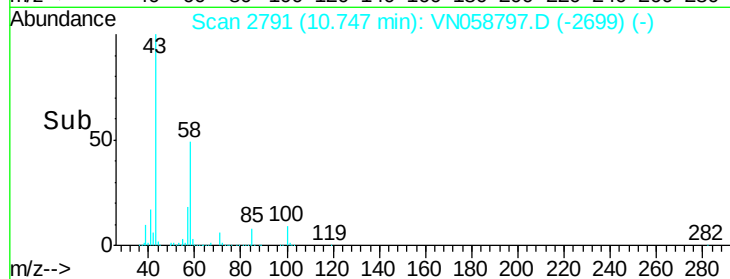
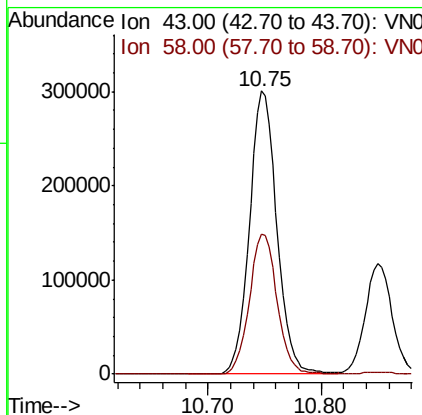
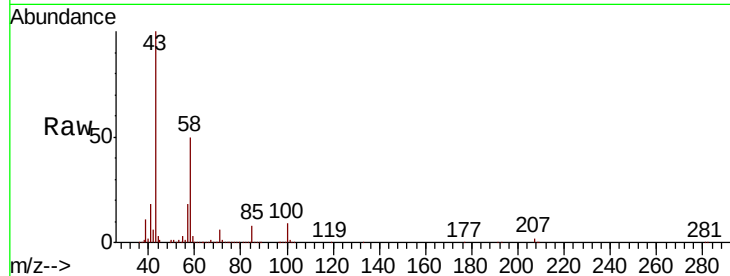




#59
2-Hexanone
Concen: 107.962 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

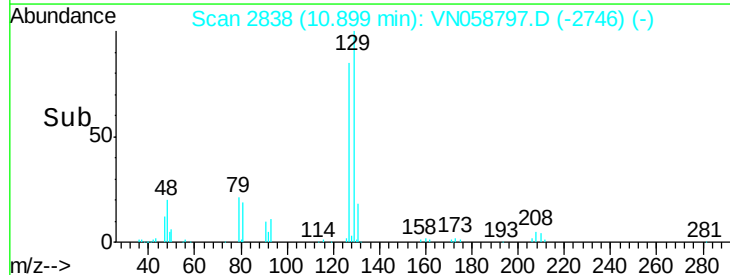
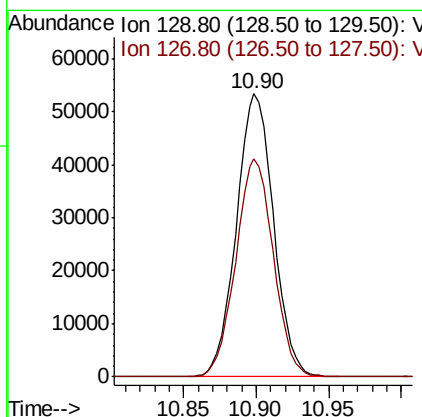
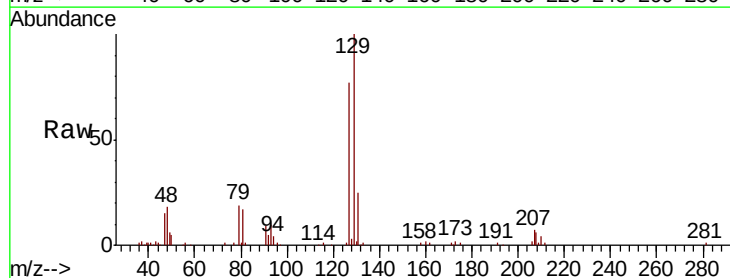
Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

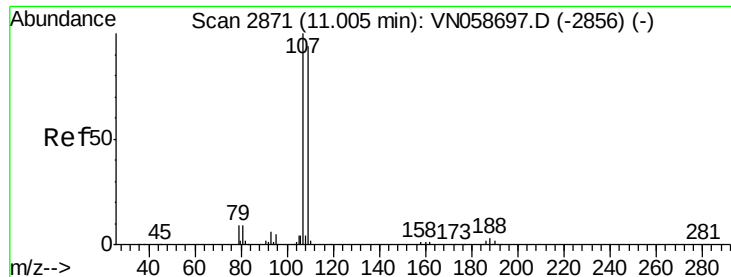
Tot Ion: 43 Resp: 505397
Ion Ratio Lower Upper
43 100
58 50.2 26.1 78.3



#60
Dibromochloromethane
Concen: 20.447 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Tgt Ion:129 Resp: 94939
Ion Ratio Lower Upper
129 100
127 77.8 38.5 115.3

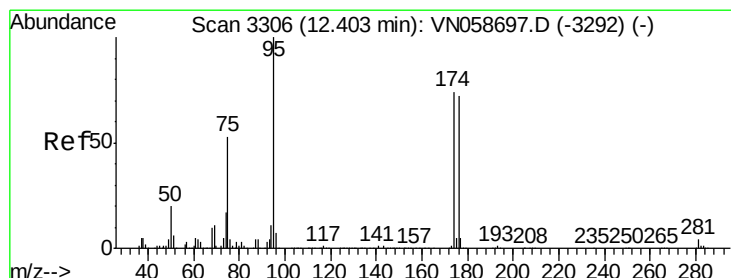
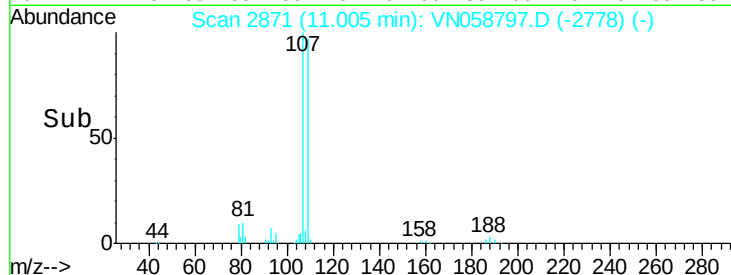
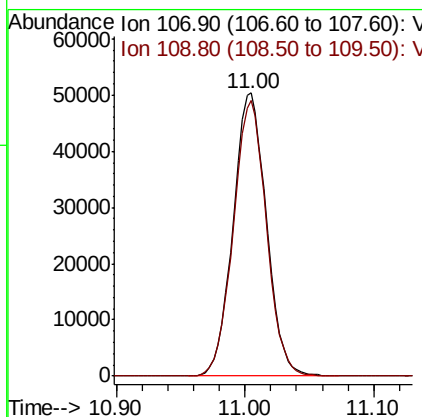
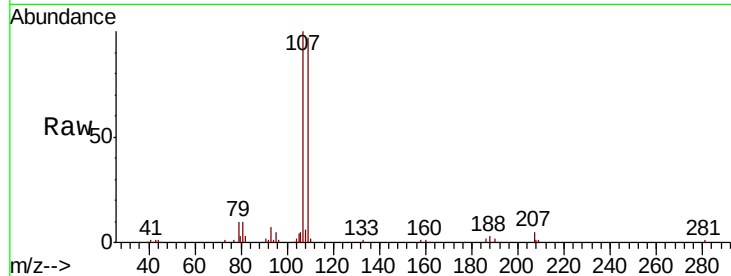




#61
 1,2-Dibromoethane
 Concen: 20.053 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058797.D
 Acq: 16 Oct 2019 13:36

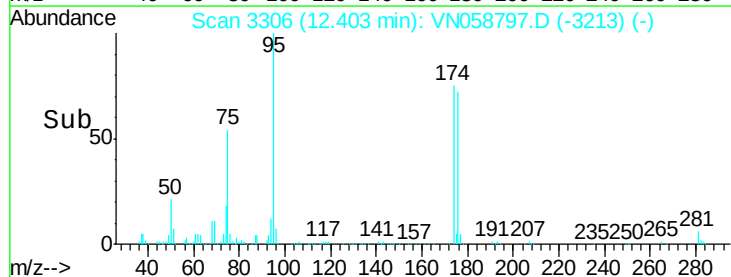
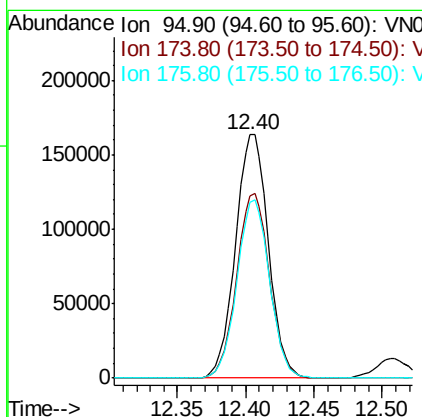
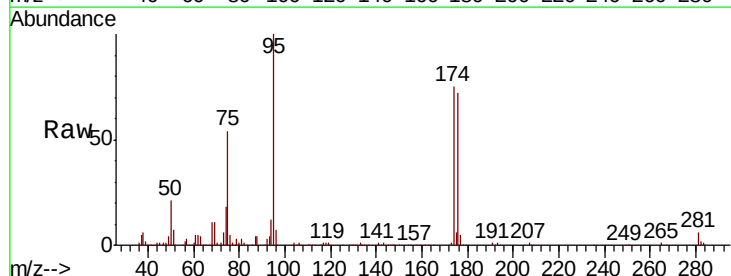
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBS01

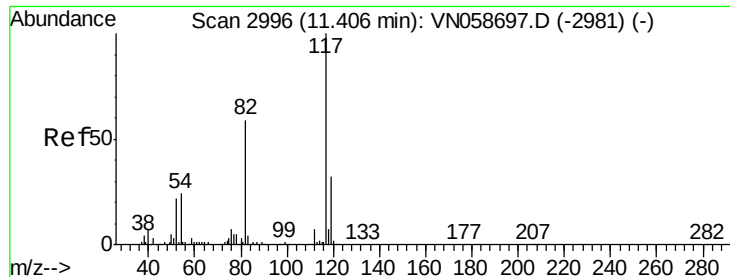
Tot Ion: 107 Resp: 90423
 Ion Ratio Lower Upper
 107 100
 109 96.3 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 47.287 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058797.D
 Acq: 16 Oct 2019 13:36

Tgt Ion: 95 Resp: 273756
 Ion Ratio Lower Upper
 95 100
 174 75.8 0.0 150.4
 176 72.6 0.0 146.8

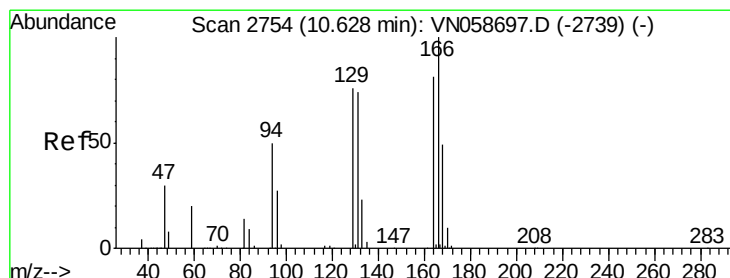
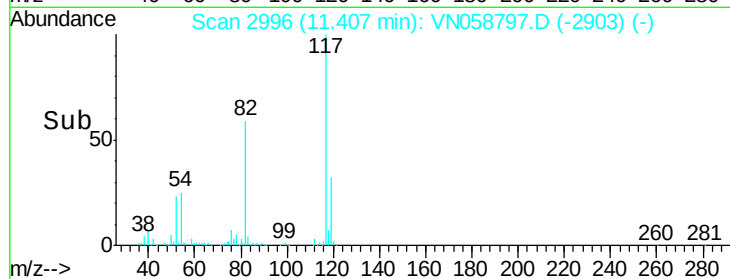
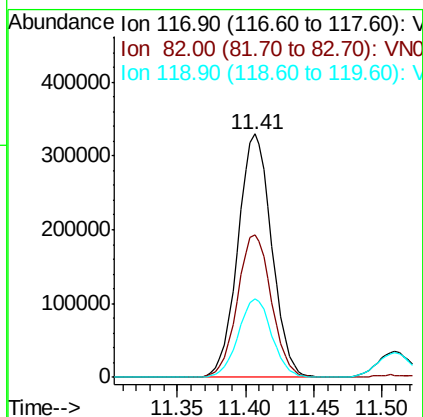
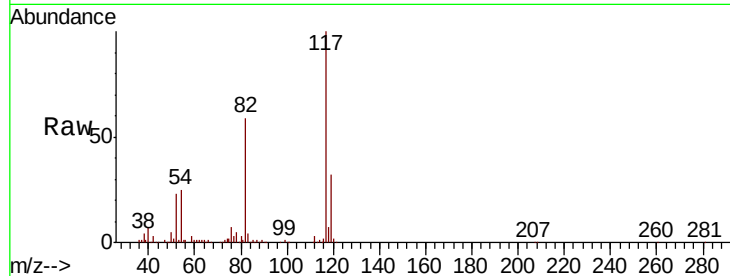




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

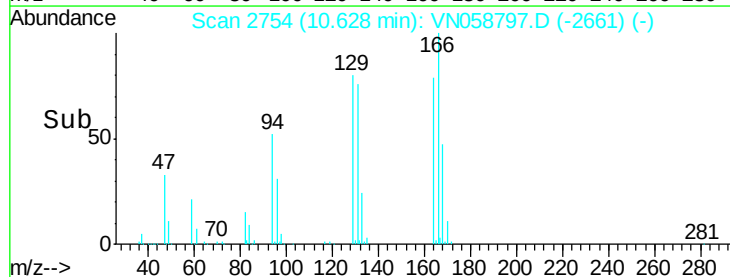
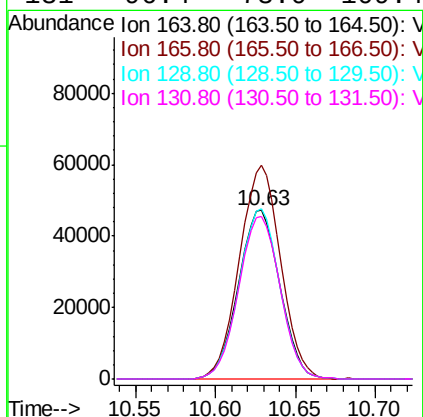
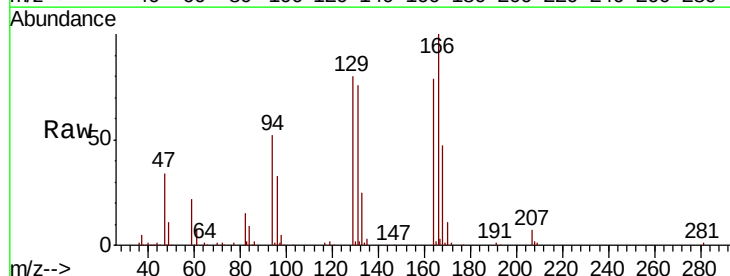
Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

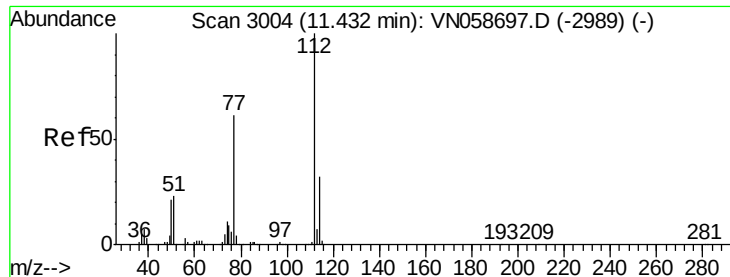
Tot Ion:117 Resp: 566802
Ion Ratio Lower Upper
117 100
82 58.8 47.0 70.4
119 32.3 25.4 38.2



#64
Tetrachloroethene
Concen: 21.072 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Tgt Ion:164 Resp: 83584
Ion Ratio Lower Upper
164 100
166 126.8 99.3 148.9
129 101.2 75.2 112.8
131 96.4 73.0 109.4

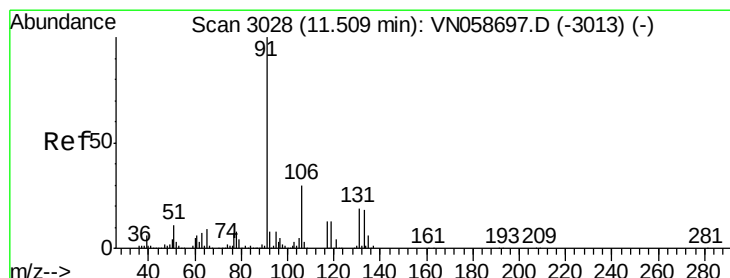
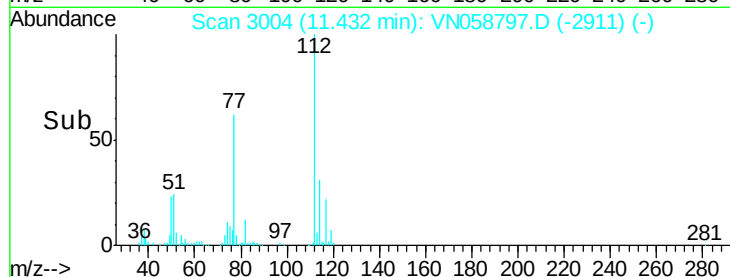
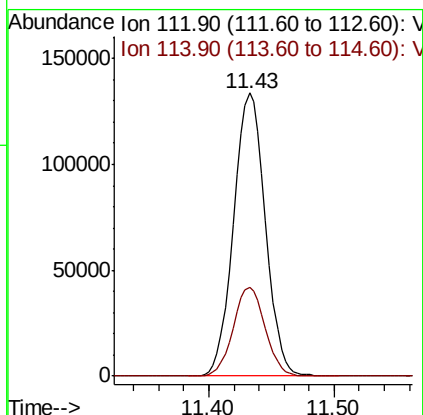
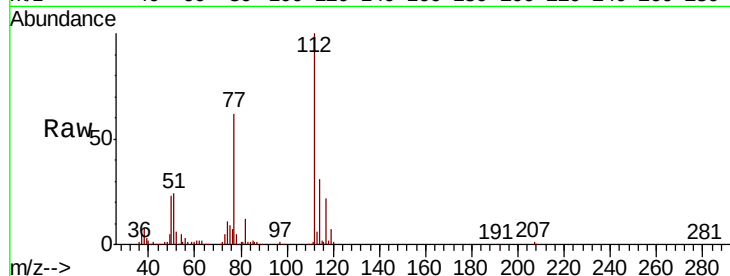




#65
Chlorobenzene
Concen: 20.401 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

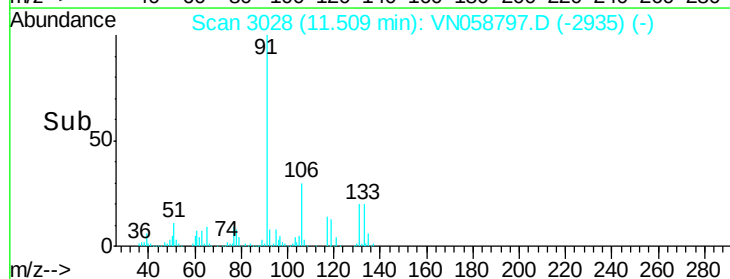
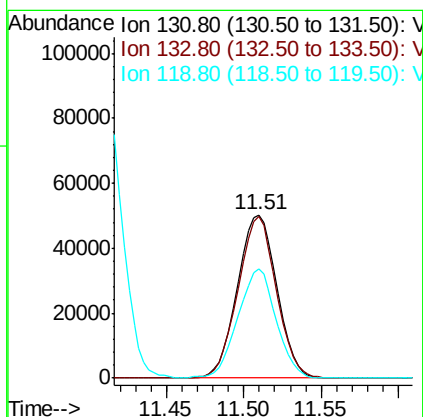
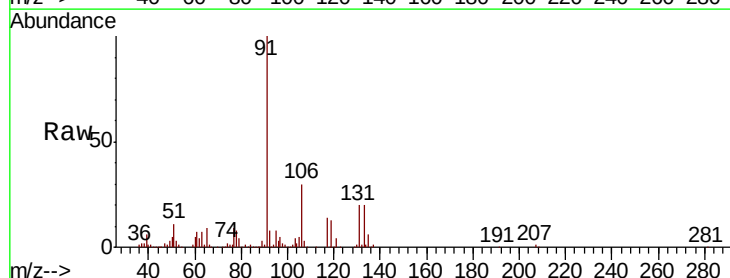
Instrument :
MSVOA_N
ClientSampled :
VN1016WBS01

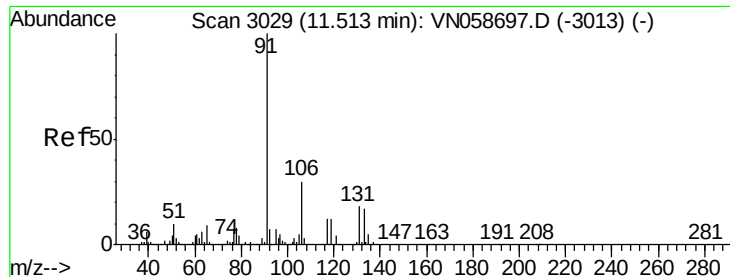
Tot Ion:112 Resp: 234828
Ion Ratio Lower Upper
112 100
114 31.5 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.922 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Tgt Ion:131 Resp: 89052
Ion Ratio Lower Upper
131 100
133 96.7 47.6 142.9
119 65.2 33.0 98.9





#67

Ethyl Benzene

Concen: 20.691 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

ClientSampled :

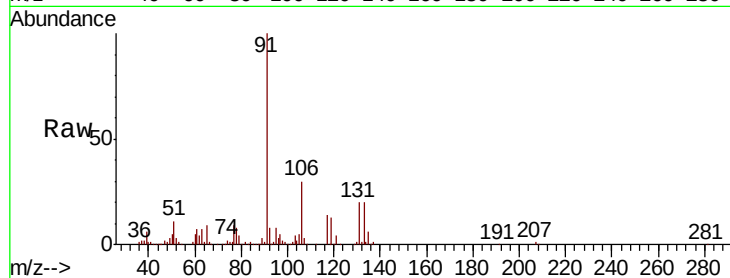
VN1016WBS01

Tot Ion: 91 Resp: 424549

Ion Ratio Lower Upper

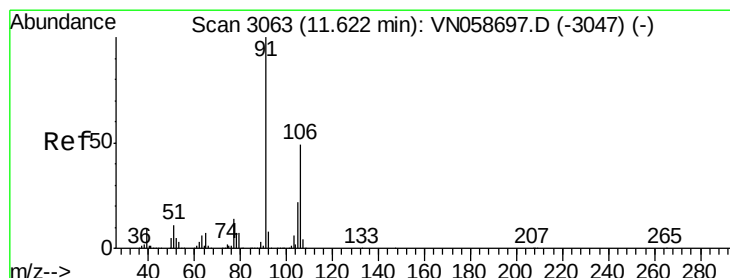
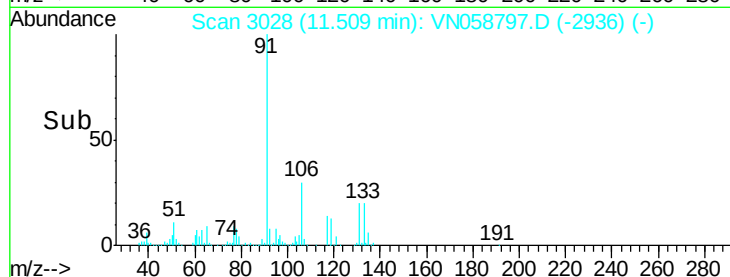
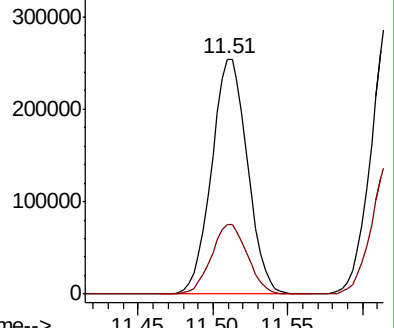
91 100

106 29.8 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN058697.D (-3013) (-)

Ion 106.00 (105.70 to 106.70): VN058697.D (-3013) (-)



#68

m/p-Xylenes

Concen: 40.611 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058797.D

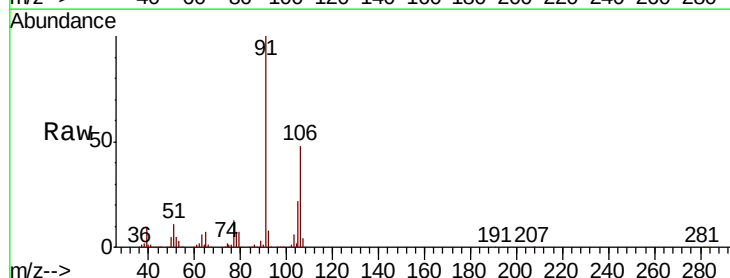
Acq: 16 Oct 2019 13:36

Tgt Ion: 106 Resp: 312703

Ion Ratio Lower Upper

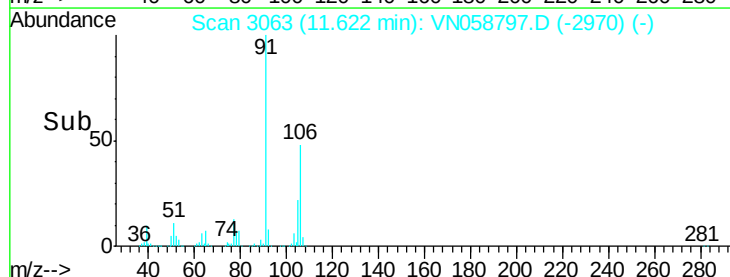
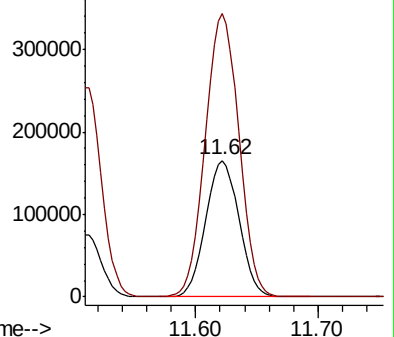
106 100

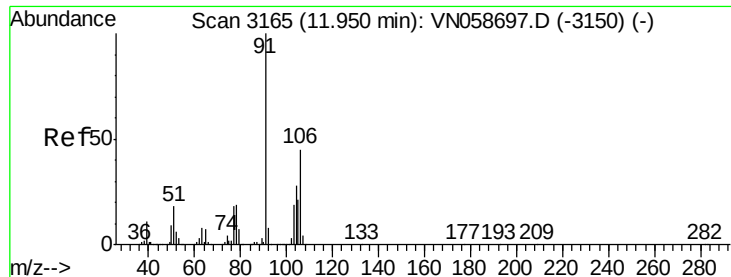
91 209.1 165.7 248.5



Abundance Ion 106.00 (105.70 to 106.70): VN058697.D (-3047) (-)

Ion 91.00 (90.70 to 91.70): VN058697.D (-3047) (-)

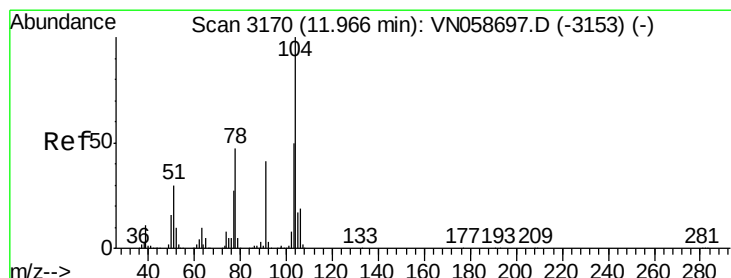
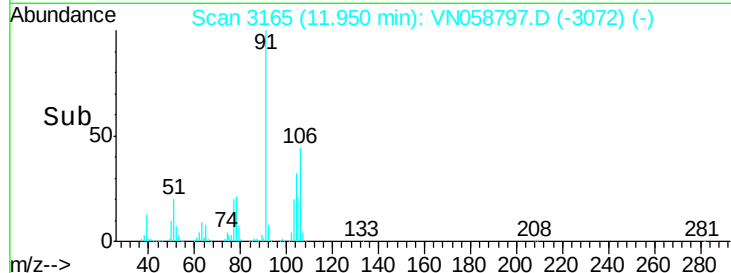
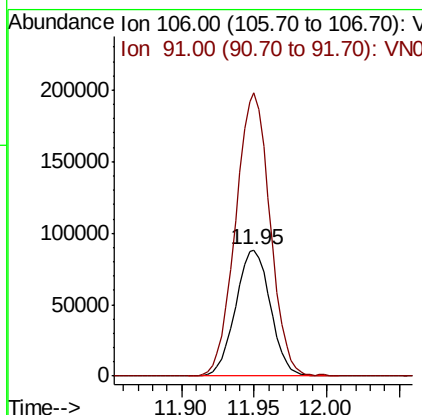
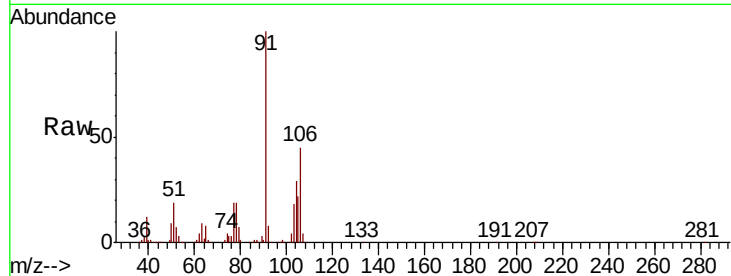




#69
o-Xylene
Concen: 19.783 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

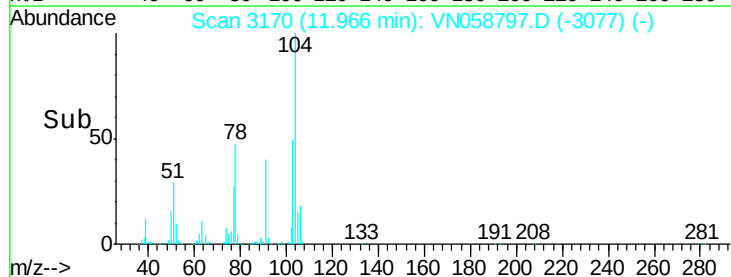
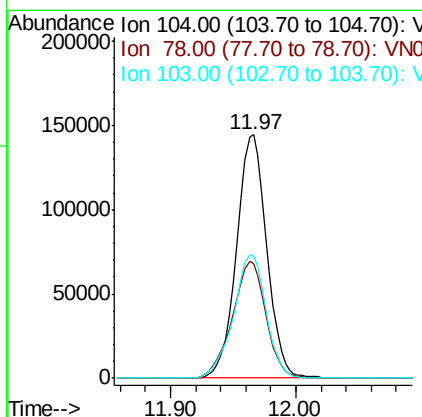
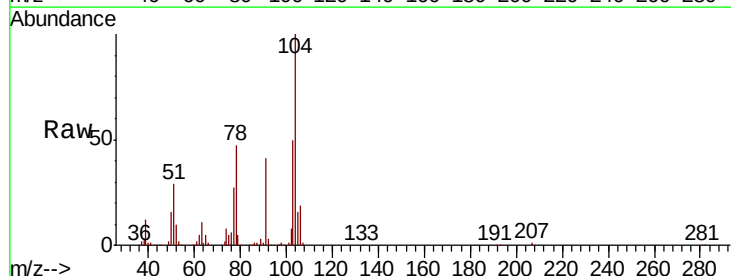
Instrument :
MSVOA_N
ClientSampled :
VN1016WBS01

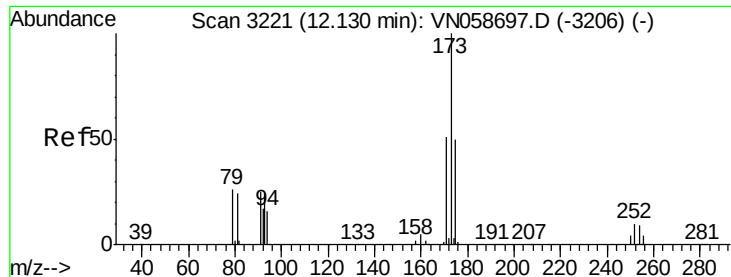
Tot Ion:106 Resp: 147385
Ion Ratio Lower Upper
106 100
91 221.8 110.9 332.9



#70
Styrene
Concen: 19.802 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Tgt Ion:104 Resp: 241788
Ion Ratio Lower Upper
104 100
78 53.4 42.2 63.2
103 55.0 43.7 65.5





#71

Bromoform

Concen: 21.200 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

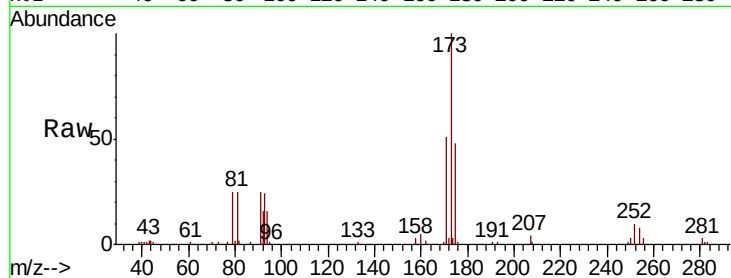
Tot Ion:173 Resp: 66140

Ion Ratio Lower Upper

173 100

175 48.9 24.6 73.8

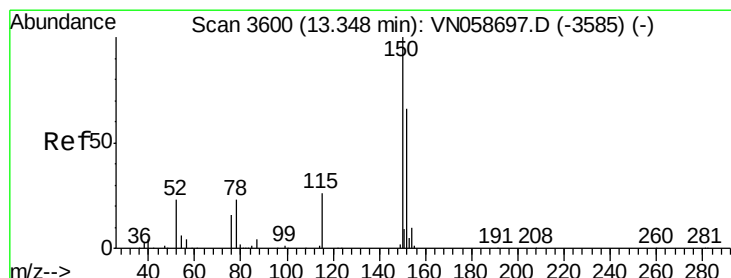
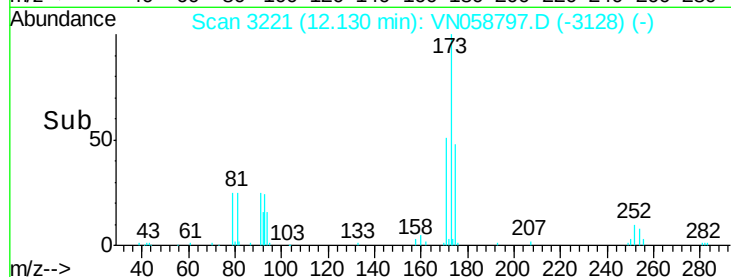
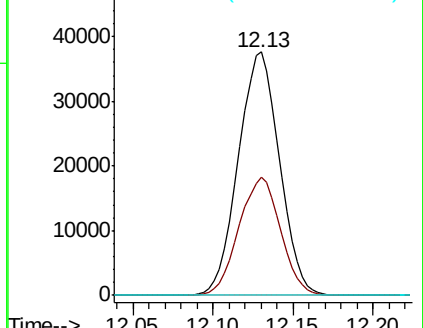
254 0.0 0.1 0.1#



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: VN058797.D

Acq: 16 Oct 2019 13:36

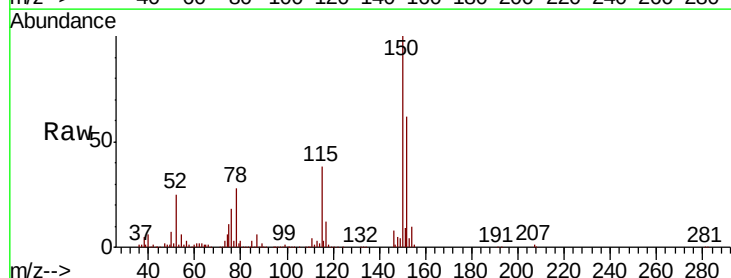
Tgt Ion:152 Resp: 264497

Ion Ratio Lower Upper

152 100

115 61.1 30.4 91.2

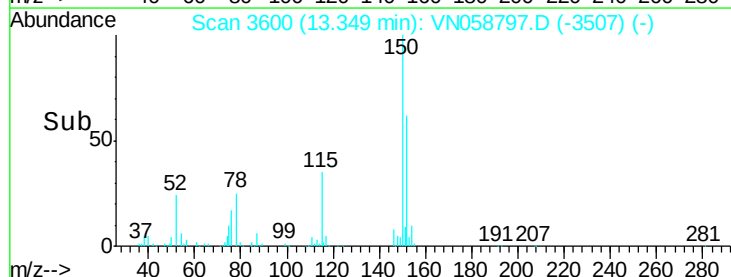
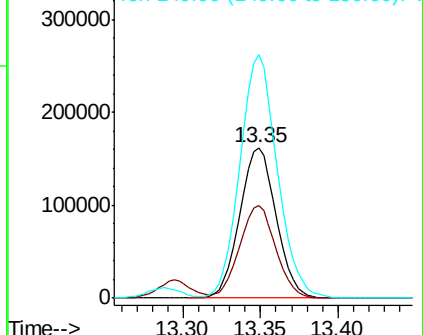
150 166.0 0.0 345.4

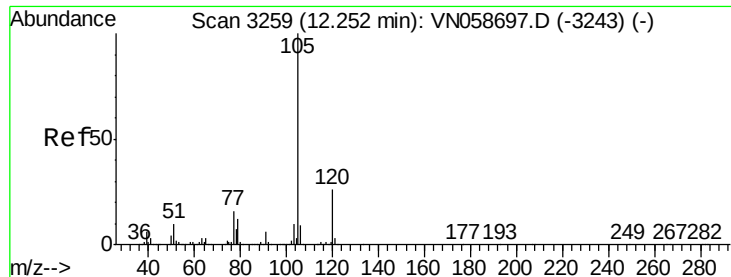


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.156 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

ClientSampled :

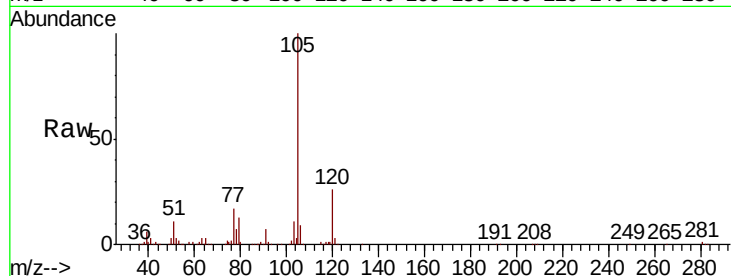
VN1016WBS01

Tot Ion:105 Resp: 405262

Ion Ratio Lower Upper

105 100

120 26.1 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

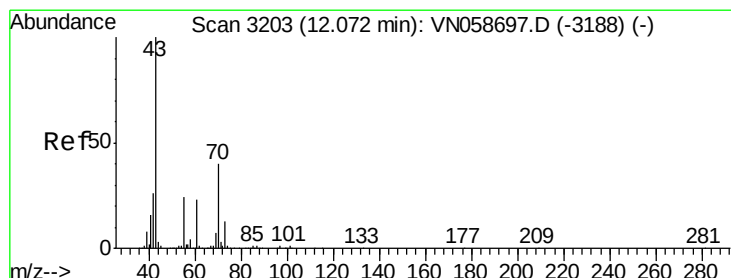
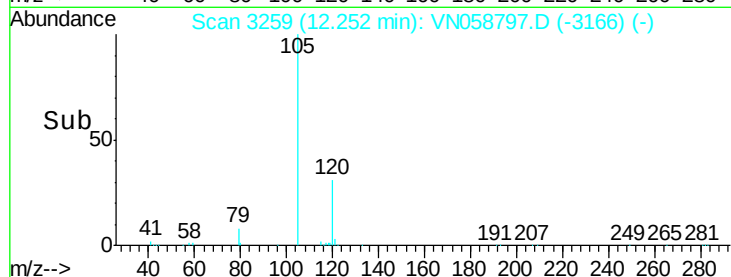
50000

0

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 21.239 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Tgt Ion: 43 Resp: 182729

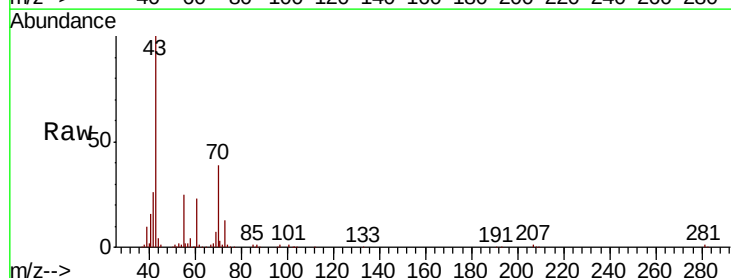
Ion Ratio Lower Upper

43 100

70 39.1 32.2 48.4

55 25.2 19.6 29.4

61 22.8 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

150000

100000

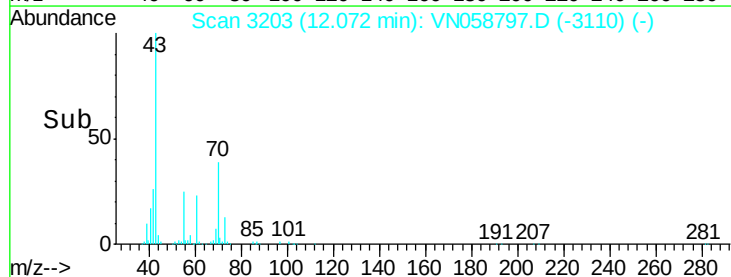
50000

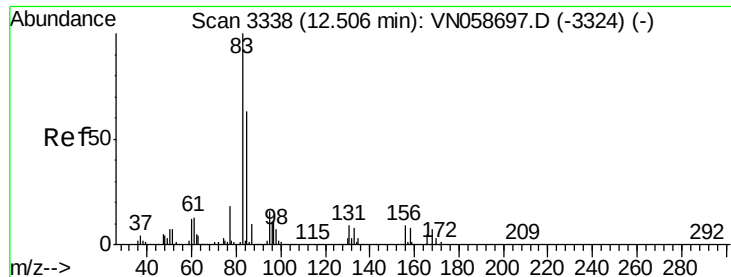
0

12.07

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.707 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

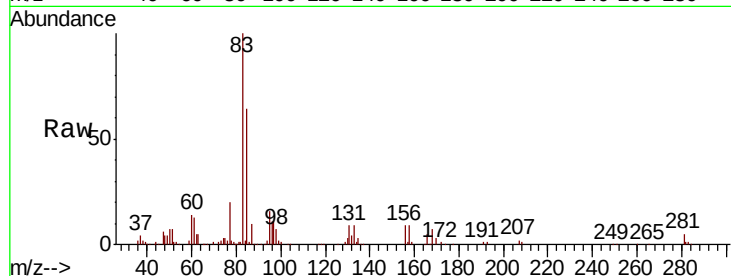
Tot Ion: 83 Resp: 136980

Ion Ratio Lower Upper

83 100

131 9.9 4.8 14.4

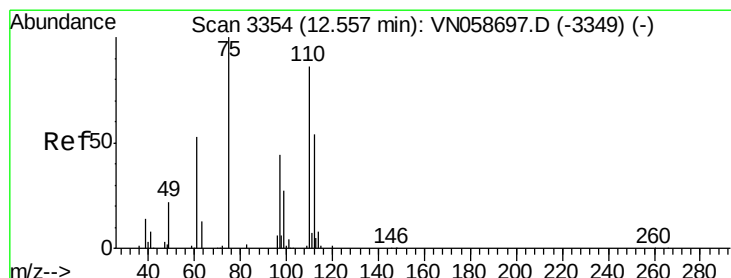
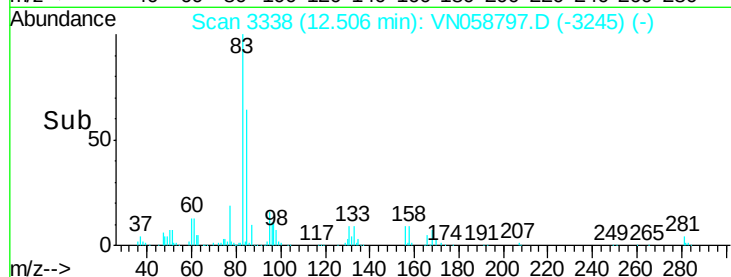
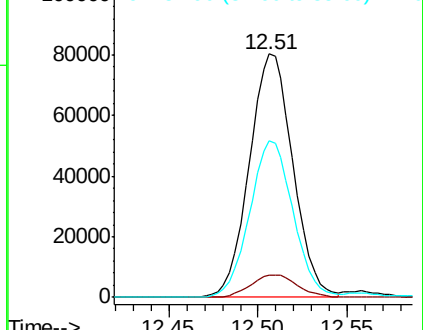
85 64.1 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 31.673 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058797.D

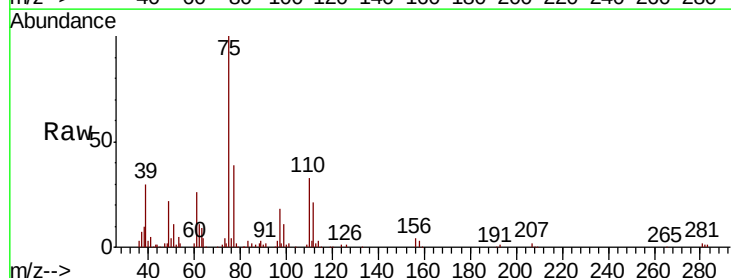
Acq: 16 Oct 2019 13:36

Tgt Ion: 75 Resp: 183779

Ion Ratio Lower Upper

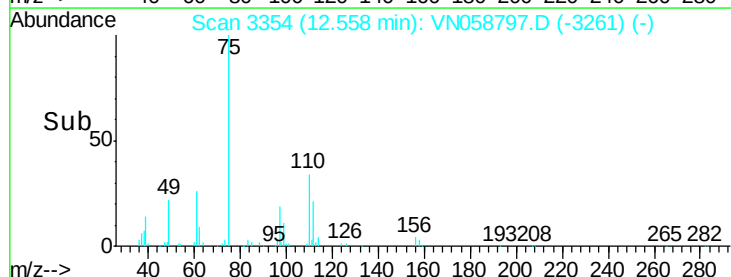
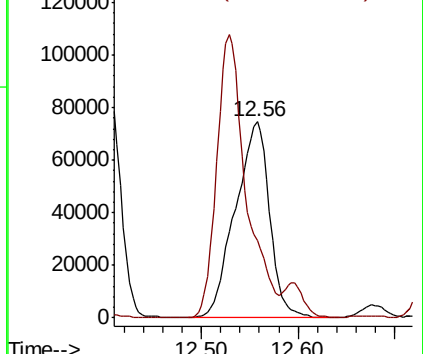
75 100

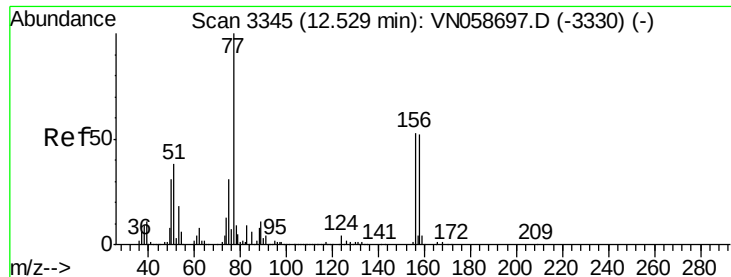
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.858 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

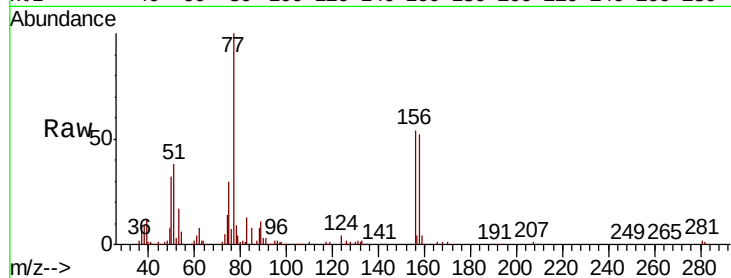
Tot Ion:156 Resp: 97184

Ion Ratio Lower Upper

156 100

77 234.6 115.8 347.3

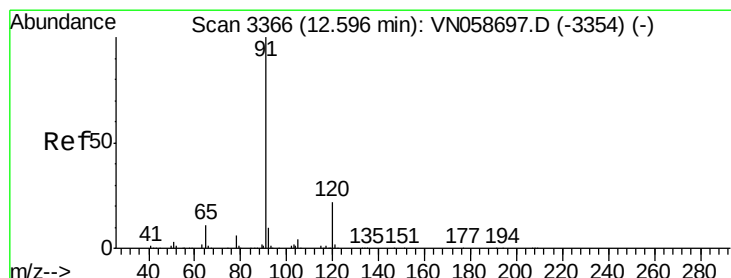
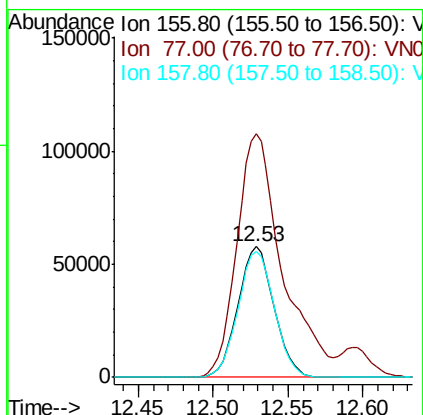
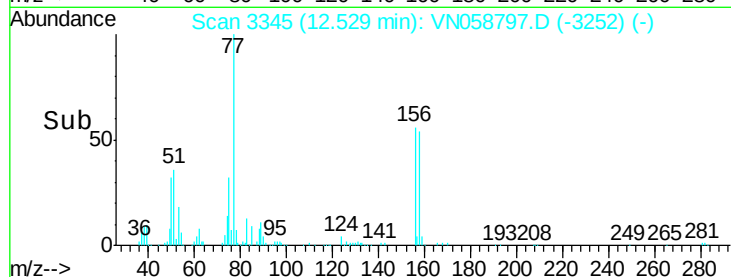
158 97.2 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.449 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058797.D

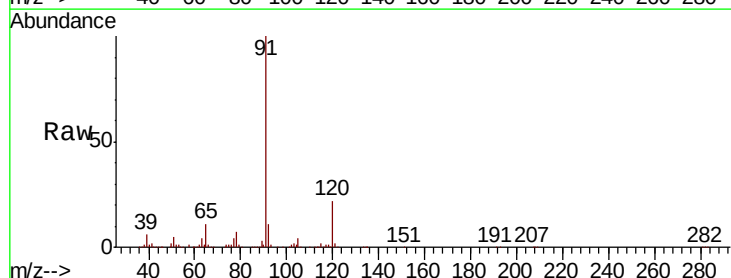
Acq: 16 Oct 2019 13:36

Tgt Ion: 91 Resp: 478777

Ion Ratio Lower Upper

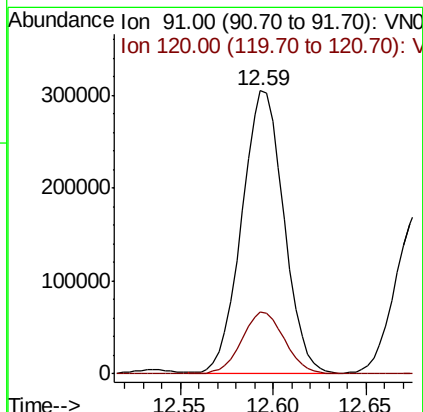
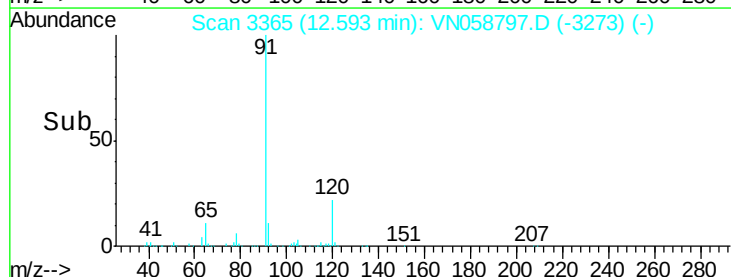
91 100

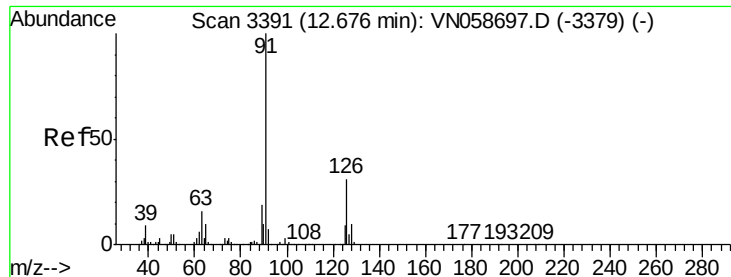
120 22.4 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.557 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

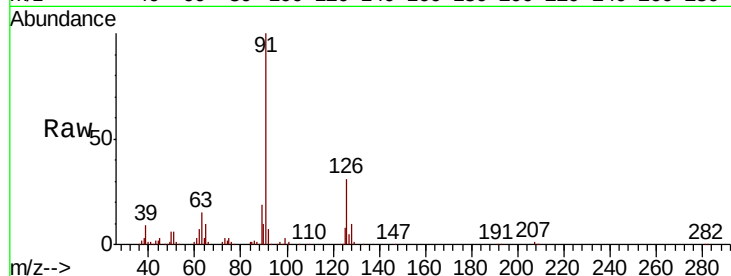
VN1016WBS01

Tot Ion: 91 Resp: 284801

Ion Ratio Lower Upper

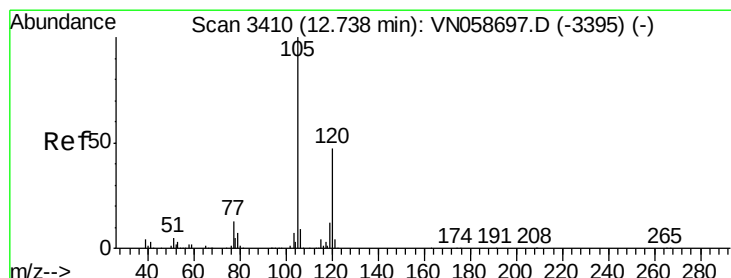
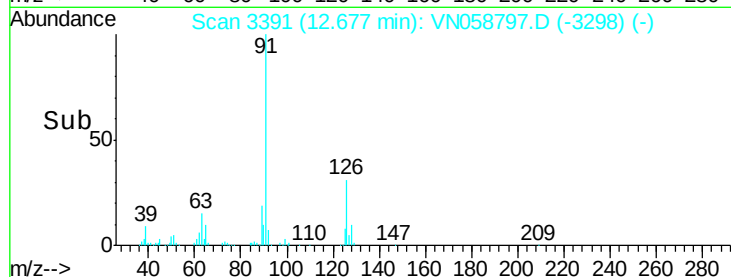
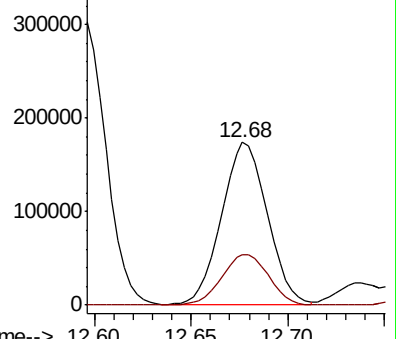
91 100

126 32.2 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VN058697.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN058697.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.143 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058797.D

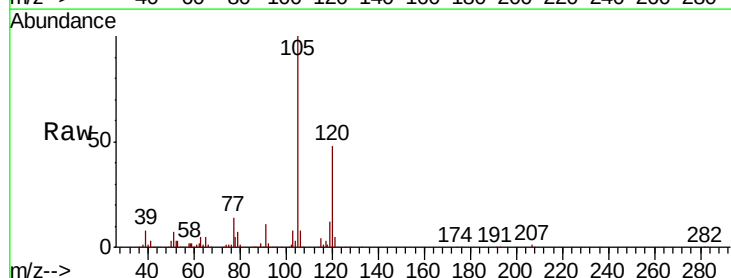
Acq: 16 Oct 2019 13:36

Tgt Ion: 105 Resp: 345762

Ion Ratio Lower Upper

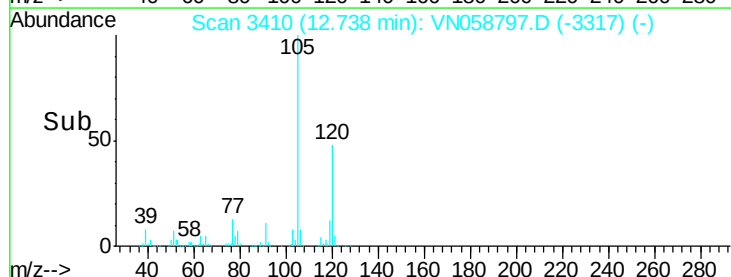
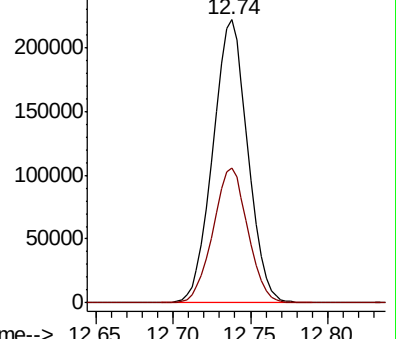
105 100

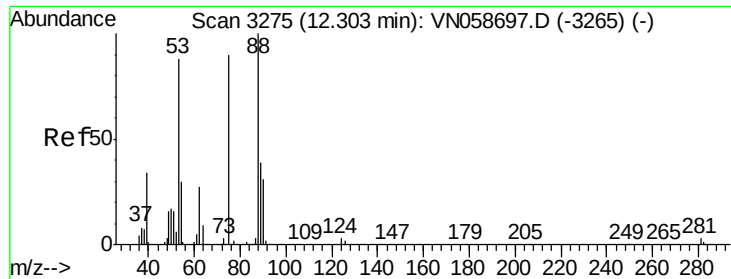
120 47.7 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN058697.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN058697.D (-3395) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.635 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

ClientSampled :

VN1016WBS01

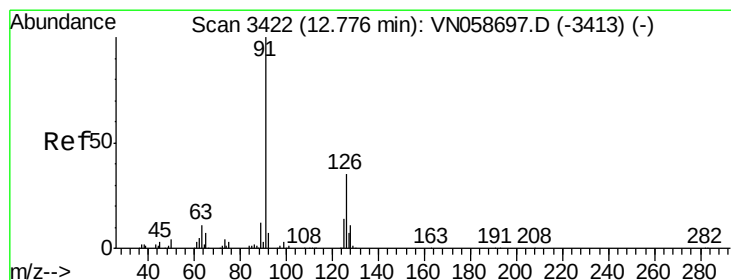
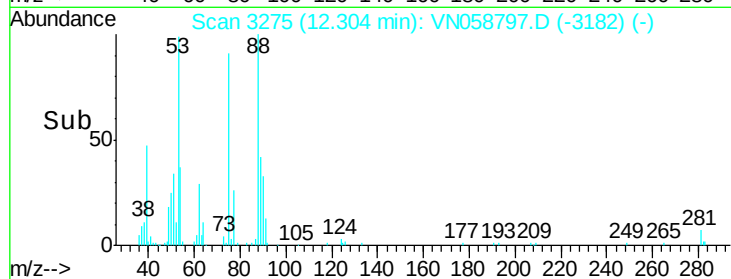
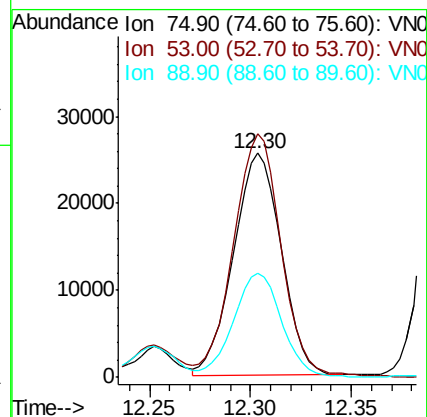
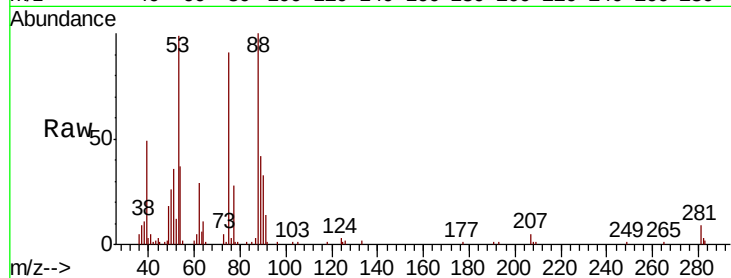
Tot Ion: 75 Resp: 42532

Ion Ratio Lower Upper

75 100

53 107.6 78.4 117.6

89 47.2 34.9 52.3



#82

4-Chlorotoluene

Concen: 20.661 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058797.D

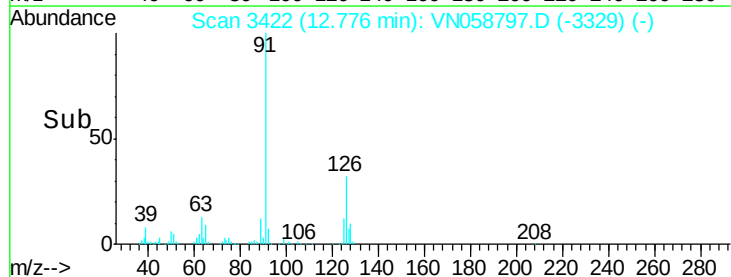
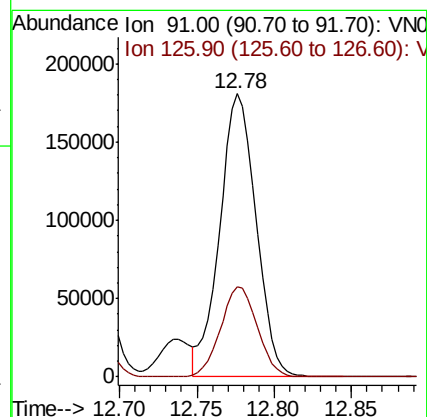
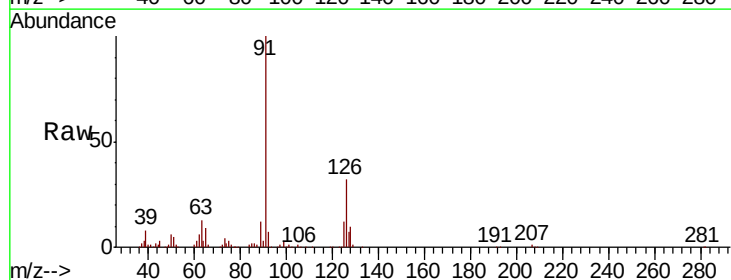
Acq: 16 Oct 2019 13:36

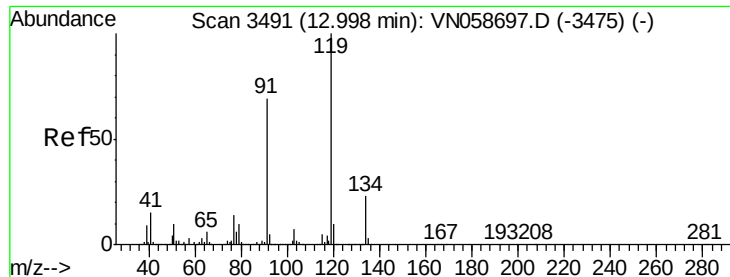
Tgt Ion: 91 Resp: 293722

Ion Ratio Lower Upper

91 100

126 32.2 15.9 47.6

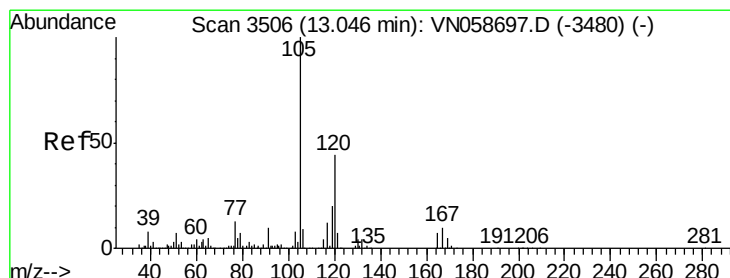
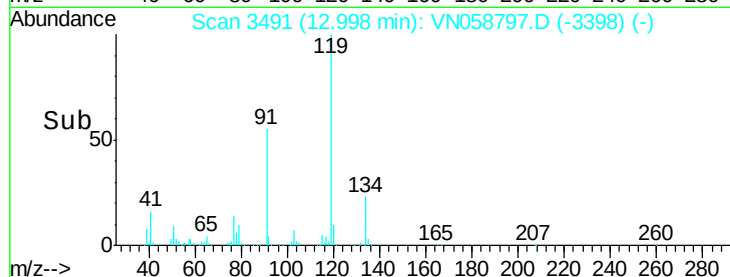
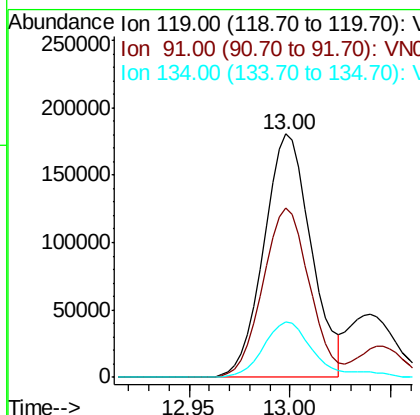
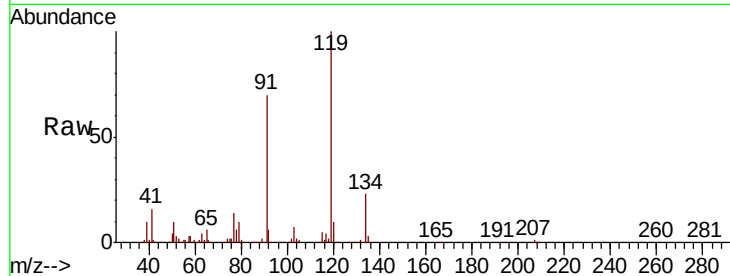




#83
 tert-Butylbenzene
 Concen: 21.005 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058797.D
 Acq: 16 Oct 2019 13:36

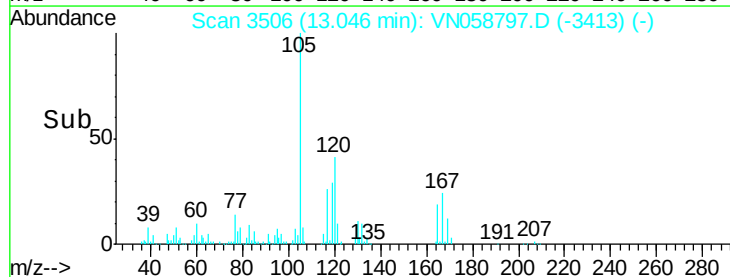
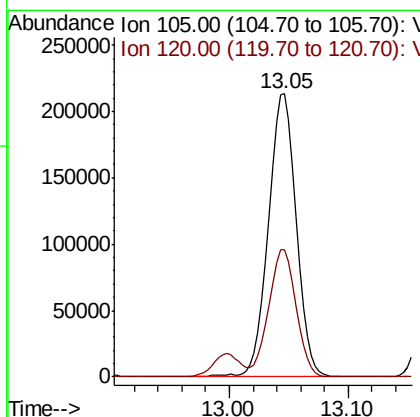
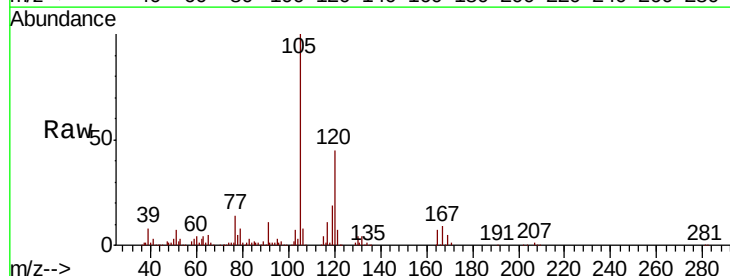
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBS01

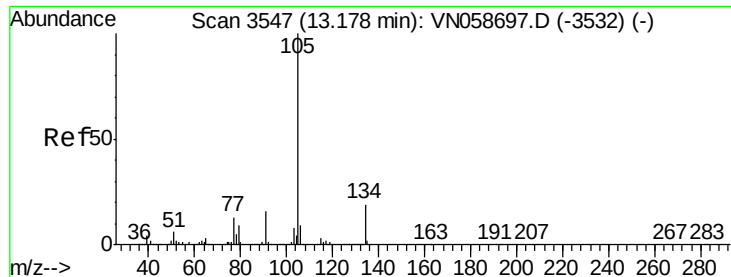
Tot Ion	Ratio	Lower	Upper
119	100		
91	69.0	33.8	101.3
134	23.1	12.6	37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 21.314 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058797.D
 Acq: 16 Oct 2019 13:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	21.9	65.7

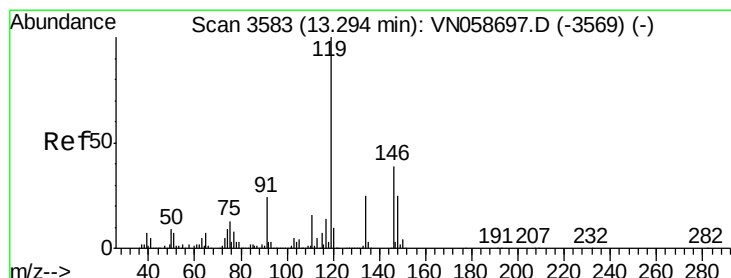
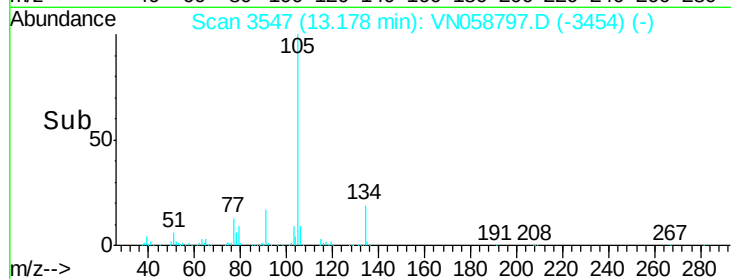
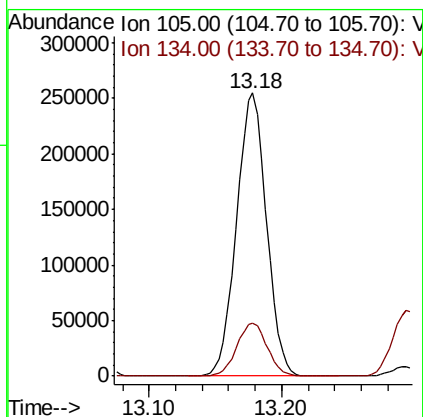
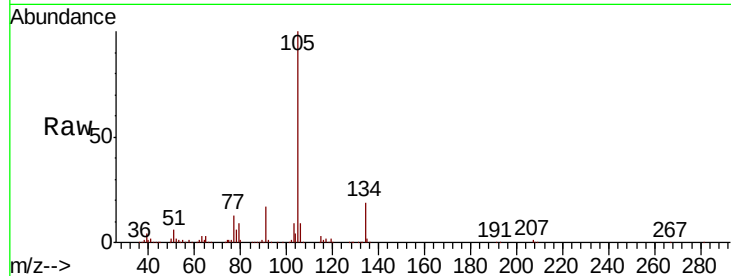




#85
 sec-Butylbenzene
 Concen: 21.595 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058797.D
 Acq: 16 Oct 2019 13:36

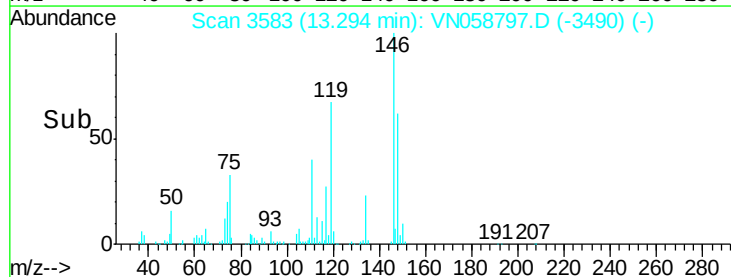
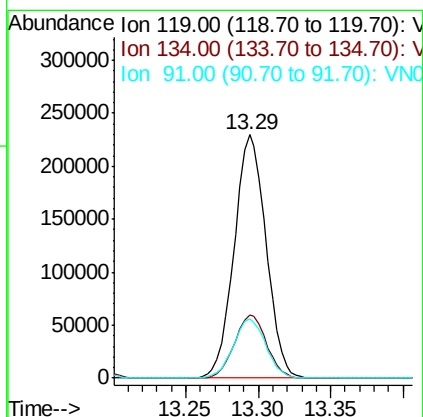
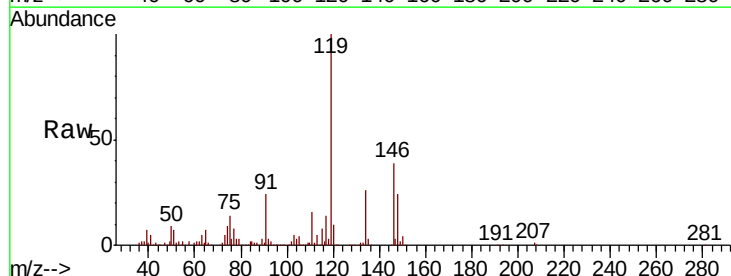
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBS01

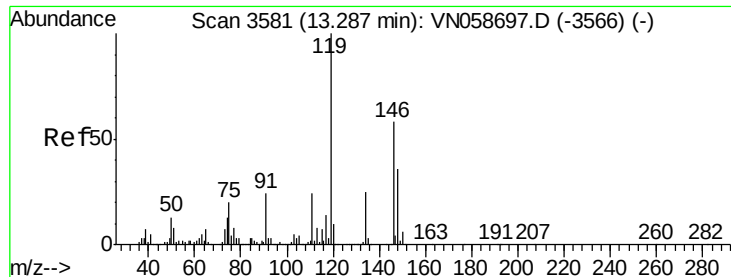
Tot Ion:105 Resp: 398659
 Ion Ratio Lower Upper
 105 100
 134 18.9 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 20.788 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058797.D
 Acq: 16 Oct 2019 13:36

Tgt Ion:119 Resp: 348774
 Ion Ratio Lower Upper
 119 100
 134 26.3 12.7 38.1
 91 24.9 11.9 35.5

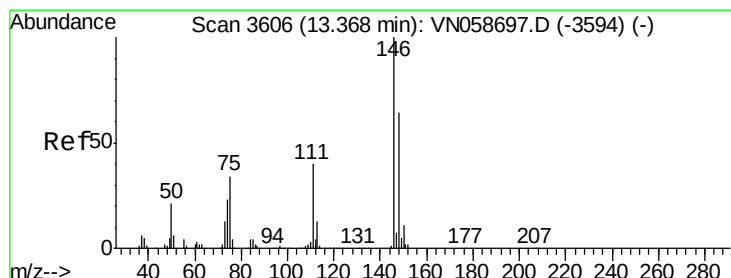
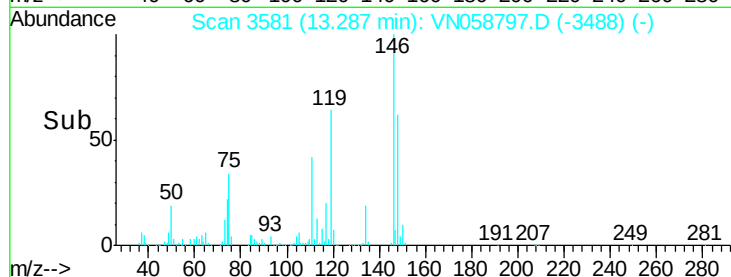
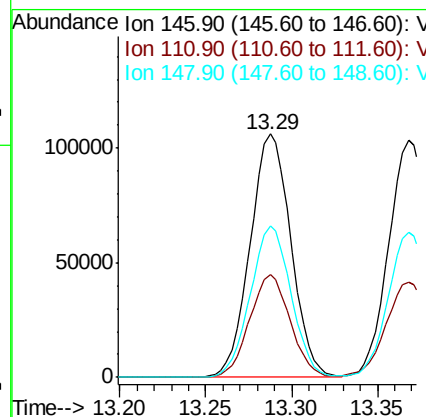
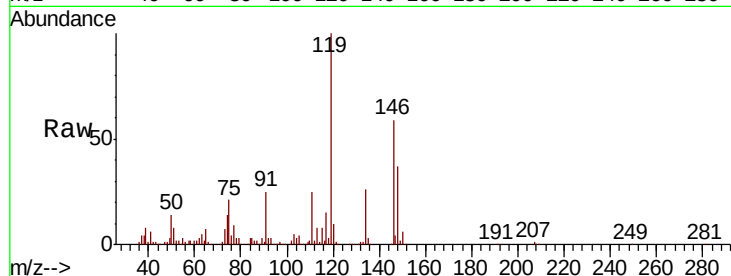




#87
 1,3-Dichlorobenzene
 Concen: 20.361 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058797.D
 Acq: 16 Oct 2019 13:36

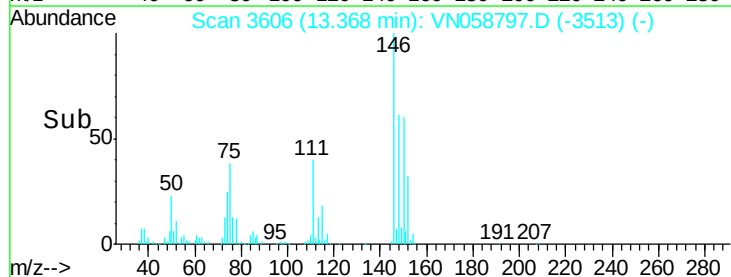
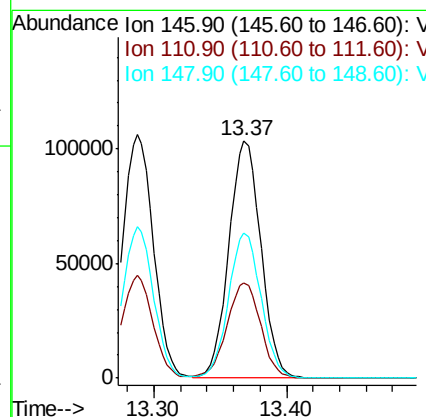
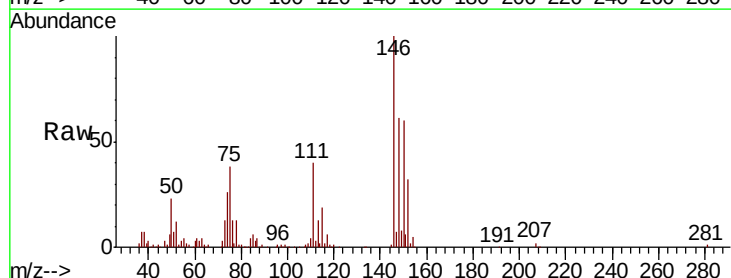
Instrument :
 MSVOA_N
 ClientSampled :
 VN1016WBS01

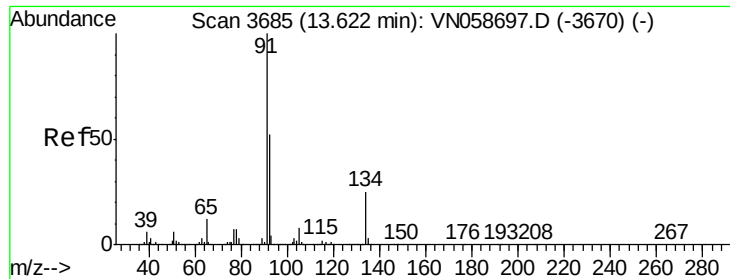
Tot Ion:146 Resp: 174952
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.5 61.6
 148 62.3 31.3 93.9



#88
 1,4-Dichlorobenzene
 Concen: 19.945 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058797.D
 Acq: 16 Oct 2019 13:36

Tgt Ion:146 Resp: 174246
 Ion Ratio Lower Upper
 146 100
 111 42.1 20.1 60.2
 148 62.0 31.9 95.7





#89

n-Butylbenzene

Concen: 20.037 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

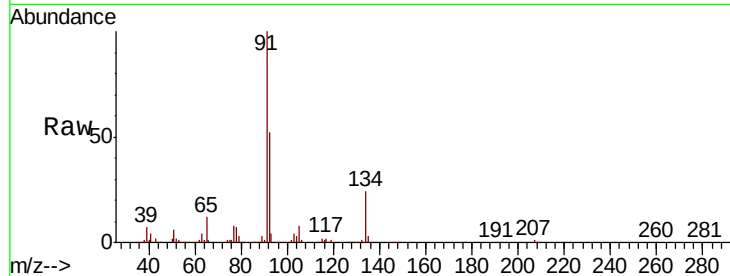
Tot Ion: 91 Resp: 310855

Ion Ratio Lower Upper

91 100

92 51.7 26.0 78.0

134 23.9 12.2 36.6

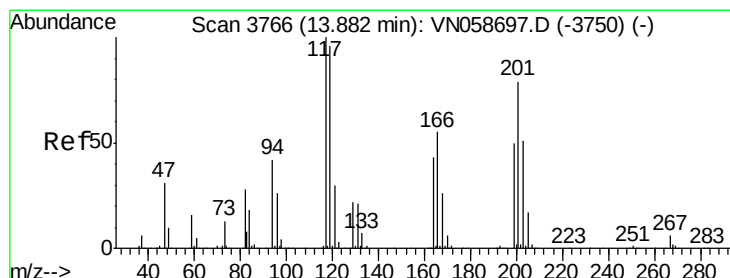
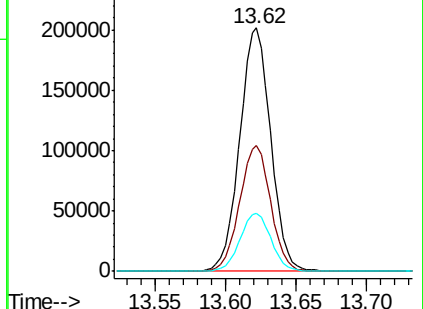
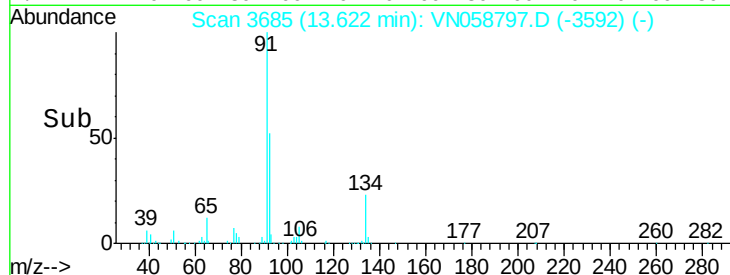


Abundance Ion 91.00 (90.70 to 91.70): VN058697.D (-3670) (-)

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

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

Time-->



#90

Hexachloroethane

Concen: 21.522 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. -0.00 min

Lab File: VN058797.D

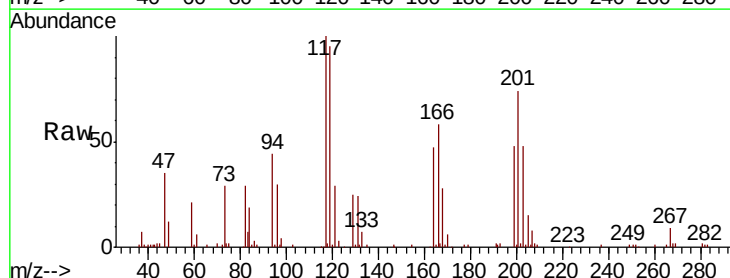
Acq: 16 Oct 2019 13:36

Tgt Ion: 117 Resp: 64611

Ion Ratio Lower Upper

117 100

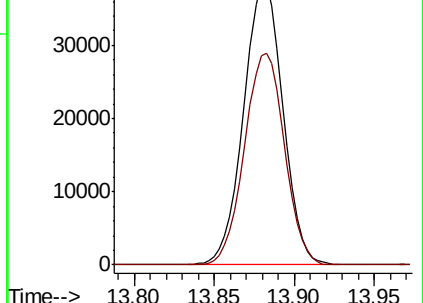
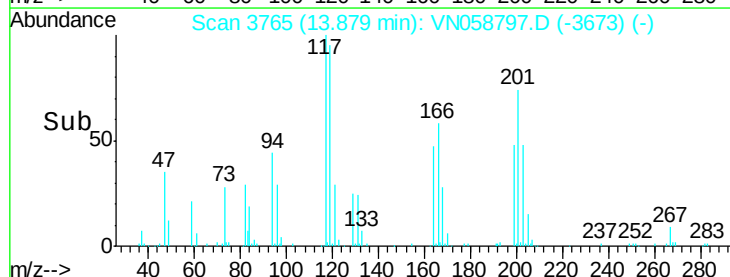
201 76.4 39.6 118.7

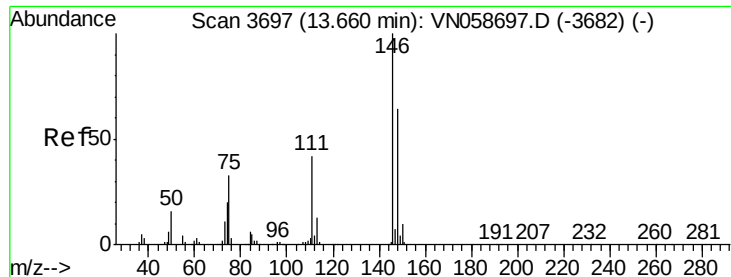


Abundance Ion 116.80 (116.50 to 117.50): VN058697.D (-3750) (-)

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

Time-->





#91

1,2-Dichlorobenzene

Concen: 20.860 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

ClientSampled :

VN1016WBS01

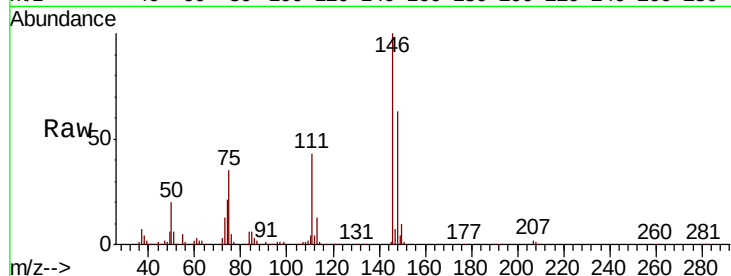
Tot Ion:146 Resp: 174695

Ion Ratio Lower Upper

146 100

111 42.5 21.1 63.4

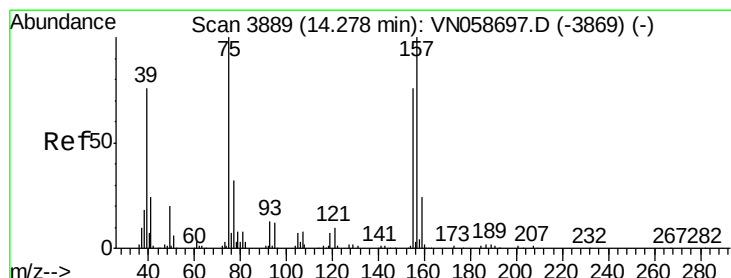
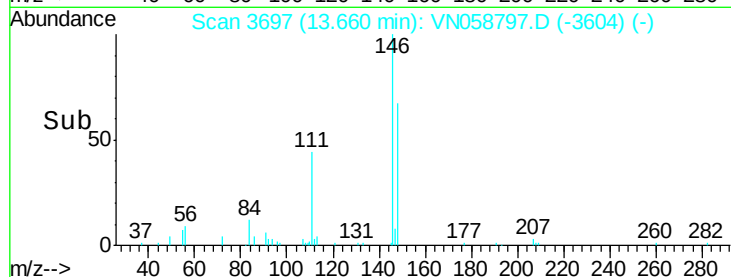
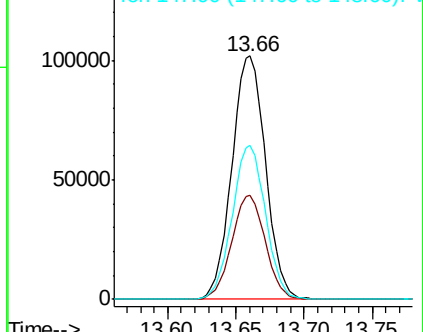
148 62.8 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.359 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

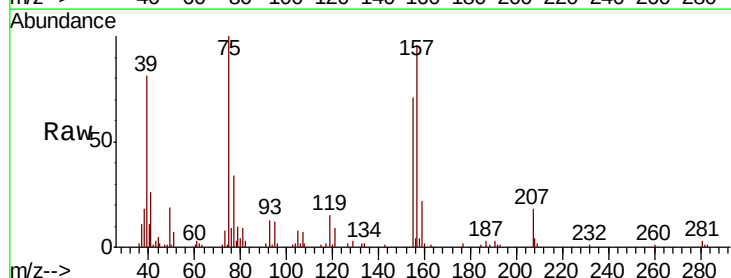
Tgt Ion: 75 Resp: 30014

Ion Ratio Lower Upper

75 100

155 71.8 37.9 113.6

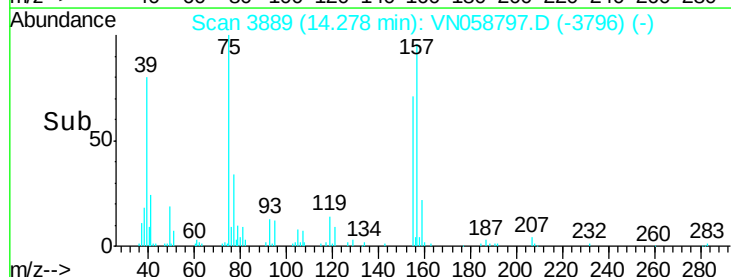
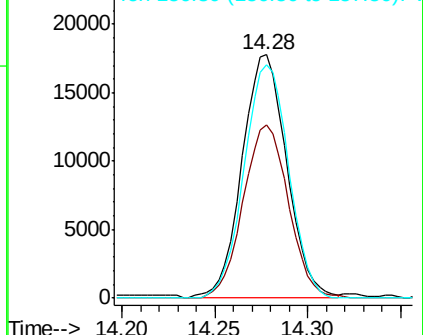
157 95.4 49.4 148.2

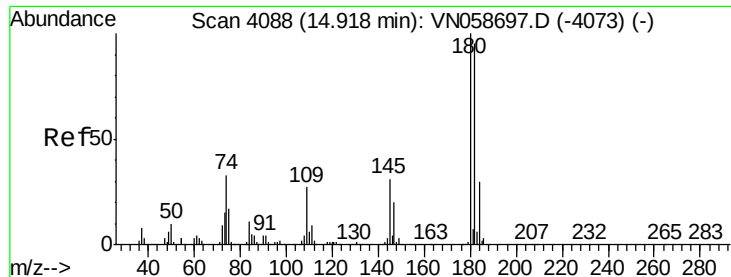


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

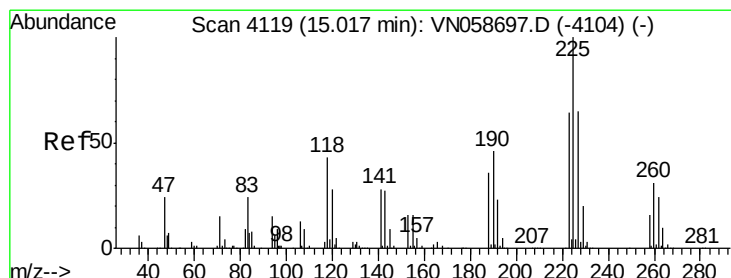
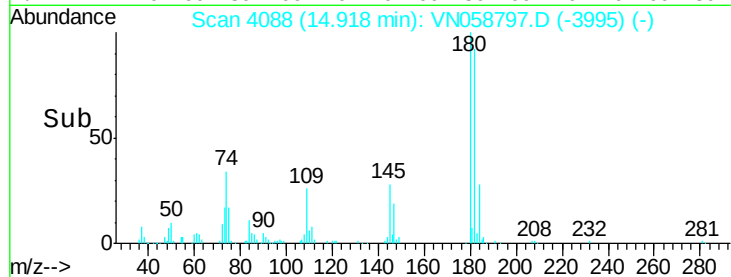
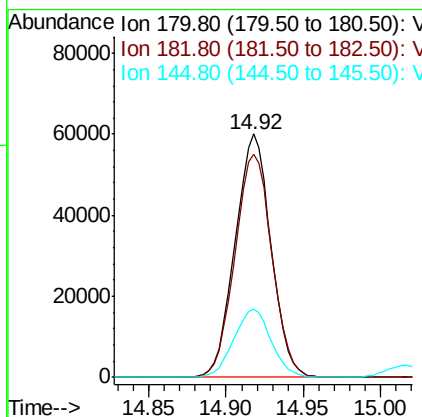
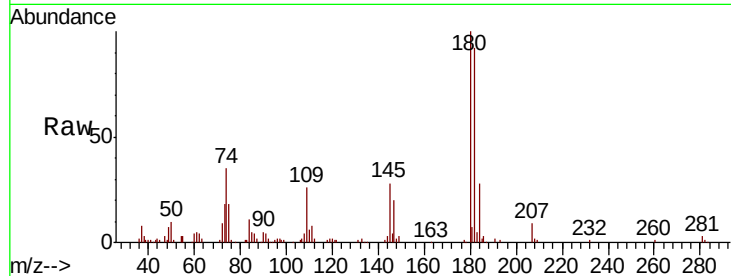




#93
 1,2,4-Trichlorobenzene
 Concen: 18.884 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058797.D
 Acq: 16 Oct 2019 13:36

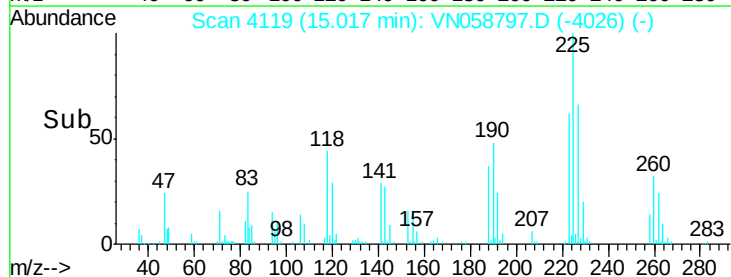
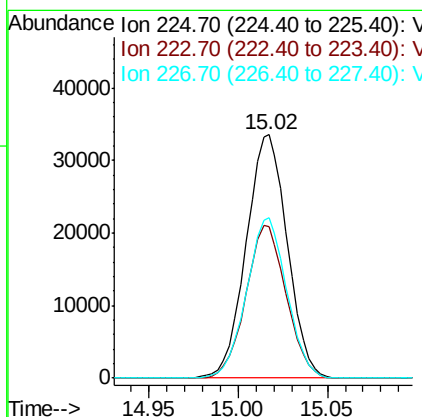
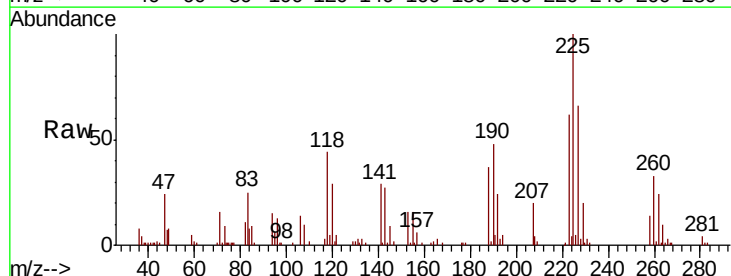
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBS01

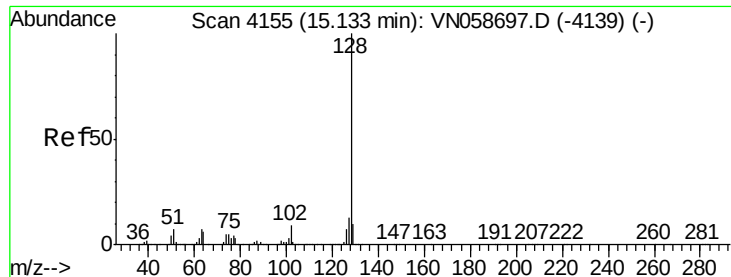
Tot Ion:180 Resp: 96474
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.4 142.2
 145 29.2 15.4 46.2



#94
 Hexachlorobutadiene
 Concen: 20.095 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058797.D
 Acq: 16 Oct 2019 13:36

Tgt Ion:225 Resp: 54060
 Ion Ratio Lower Upper
 225 100
 223 61.4 32.3 96.8
 227 64.3 32.4 97.0





#95

Naphthalene

Concen: 18.745 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

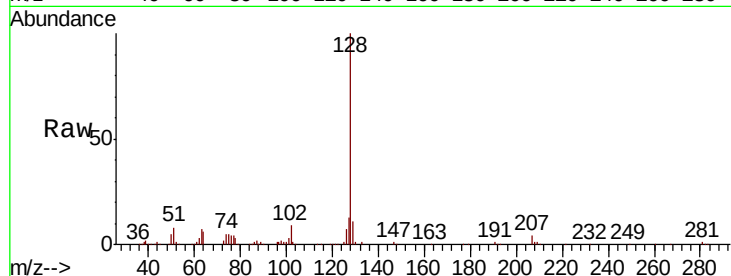
Tot Ion:128 Resp: 275214

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

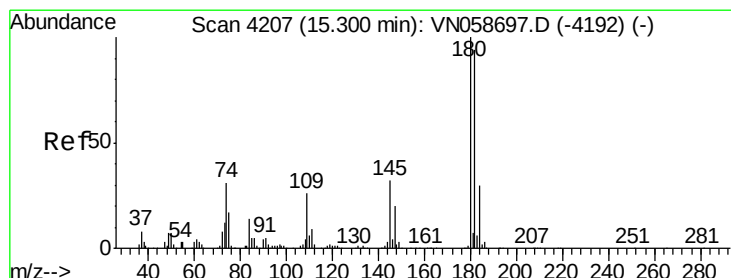
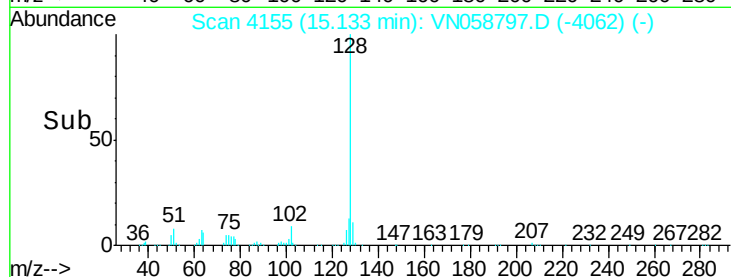
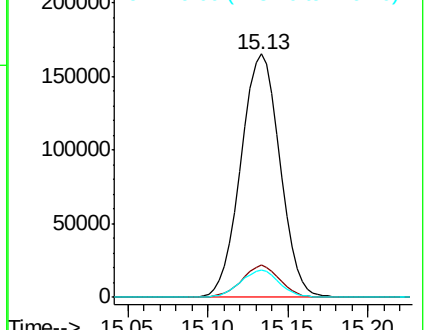
129 11.1 8.5 12.7



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: 18.982 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

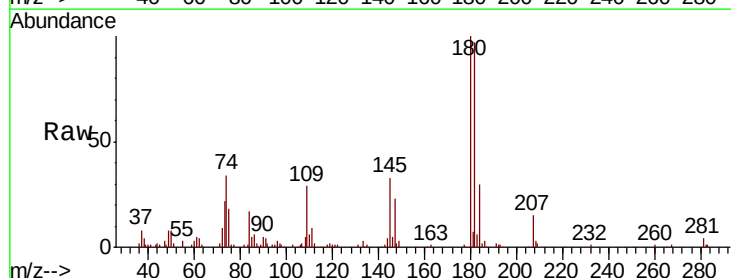
Tgt Ion:180 Resp: 94675

Ion Ratio Lower Upper

180 100

182 95.9 47.3 142.0

145 33.5 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

