

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101619\
 Data File : VN058792.D
 Acq On : 16 Oct 2019 10:35
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 17 01:30:06 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	426999	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	682568	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	637305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	308508	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	301326	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	
35) Dibromofluoromethane	7.57	113	215754	51.17	ug/l	0.00
Spiked Amount			Recovery	=	102.34%	
50) Toluene-d8	10.08	98	851595	50.51	ug/l	0.00
Spiked Amount			Recovery	=	101.02%	
62) 4-Bromofluorobenzene	12.40	95	317768	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	268835	50.552	ug/l	100
3) Chloromethane	2.04	50	313005	49.496	ug/l	99
4) Vinyl Chloride	2.17	62	322846	51.259	ug/l	99
5) Bromomethane	2.54	94	197906	51.653	ug/l	99
6) Chloroethane	2.68	64	197818	50.920	ug/l	98
7) Trichlorofluoromethane	3.00	101	386516	51.277	ug/l	99
8) Diethyl Ether	3.39	74	142120	51.029	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	218692	50.883	ug/l	98
10) Methyl Iodide	3.93	142	294715	50.249	ug/l	99
11) Tert butyl alcohol	4.75	59	264035	272.726	ug/l	100
12) 1,1-Dichloroethene	3.72	96	207845	50.685	ug/l	97
13) Acrolein	3.58	56	163693	210.234	ug/l	99
14) Allyl chloride	4.30	41	431001	52.082	ug/l	98
15) Acrylonitrile	4.96	53	668156	273.668	ug/l	99
16) Acetone	3.79	43	725996	293.353	ug/l	98
17) Carbon Disulfide	4.03	76	622382	47.481	ug/l	100
18) Methyl Acetate	4.30	43	339001	54.002	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	770313	52.606	ug/l	96
20) Methylene Chloride	4.53	84	248078	47.963	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	229234	49.975	ug/l	98
22) Diisopropyl ether	5.93	45	860755	53.495	ug/l	97
23) Vinyl Acetate	5.87	43	3683397	283.702	ug/l	99
24) 1,1-Dichloroethane	5.82	63	472028	51.509	ug/l	99
25) 2-Butanone	6.81	43	992953	277.586	ug/l	99
26) 2,2-Dichloropropane	6.80	77	417878	49.954	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	263940	49.344	ug/l	99
28) Bromochloromethane	7.17	49	165150	51.802	ug/l	97
29) Tetrahydrofuran	7.19	42	627488	271.448	ug/l	100
30) Chloroform	7.35	83	468824	50.920	ug/l	100
31) Cyclohexane	7.63	56	431551	49.217	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	406234	51.736	ug/l	100
36) 1,1-Dichloropropene	7.77	75	349814	50.689	ug/l	99
37) Ethyl Acetate	6.91	43	391974	56.161	ug/l	98
38) Carbon Tetrachloride	7.76	117	353439	52.548	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	408284	50.984	ug/l	99
40) Benzene	8.02	78	1026920	51.812	ug/l	99
41) Methacrylonitrile	7.19	41	571801	175.017	ug/l #	1
42) 1,2-Dichloroethane	8.11	62	393781	51.713	ug/l	99
43) Isopropyl Acetate	8.15	43	631575	53.119	ug/l	99
44) Trichloroethene	8.82	130	247093	50.202	ug/l	97
45) 1,2-Dichloropropane	9.11	63	280819	52.925	ug/l	100
46) Dibromomethane	9.20	93	179035	53.221	ug/l	99
47) Bromodichloromethane	9.39	83	369554	53.947	ug/l	99
48) Methyl methacrylate	9.19	41	290420	53.886	ug/l	99
49) 1,4-Dioxane	9.19	88	95498	1145.349	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1971342	295.223	ug/l	99
52) Toluene	10.15	92	628989	51.886	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	422791	53.812	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	453039	54.308	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	248611	50.106	ug/l	99
56) Ethyl methacrylate	10.43	69	406376	56.063	ug/l	99
57) 1,3-Dichloropropane	10.70	76	441046	52.164	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	951263	272.314	ug/l	99
59) 2-Hexanone	10.75	43	1512191	293.039	ug/l	100
60) Dibromochloromethane	10.90	129	276871	54.094	ug/l	100
61) 1,2-Dibromoethane	11.00	107	261320	52.571	ug/l	100
64) Tetrachloroethene	10.63	164	220056	49.339	ug/l	95
65) Chlorobenzene	11.43	112	668451	51.648	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	250333	52.308	ug/l	99
67) Ethyl Benzene	11.51	91	1241964	53.833	ug/l	99
68) m/p-Xylenes	11.62	106	914457	105.622	ug/l	99
69) o-Xylene	11.95	106	435257	51.961	ug/l	100
70) Styrene	11.97	104	732687	53.367	ug/l	99
71) Bromoform	12.13	173	198712	56.647	ug/l	99
73) Isopropylbenzene	12.25	105	1206072	53.980	ug/l	99
74) N-amyl acetate	12.07	43	567101	56.512	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	388060	52.723	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	535406	79.109	ug/l #	100
77) Bromobenzene	12.53	156	280500	51.614	ug/l	98
78) n-propylbenzene	12.59	91	1432546	55.023	ug/l	100
79) 2-Chlorotoluene	12.68	91	841497	52.075	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1029678	53.980	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	141817	56.130	ug/l	99
82) 4-Chlorotoluene	12.78	91	881666	53.170	ug/l	100
83) tert-Butylbenzene	13.00	119	873027	53.425	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1035558	54.686	ug/l	99
85) sec-Butylbenzene	13.18	105	1191191	55.322	ug/l	99
86) p-Isopropyltoluene	13.29	119	1074912	54.927	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	518686	51.753	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	512657	50.310	ug/l	99
89) n-Butylbenzene	13.62	91	980665	54.195	ug/l	100
90) Hexachloroethane	13.88	117	193923	55.381	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	509013	52.109	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	86094	50.068	ug/l	98

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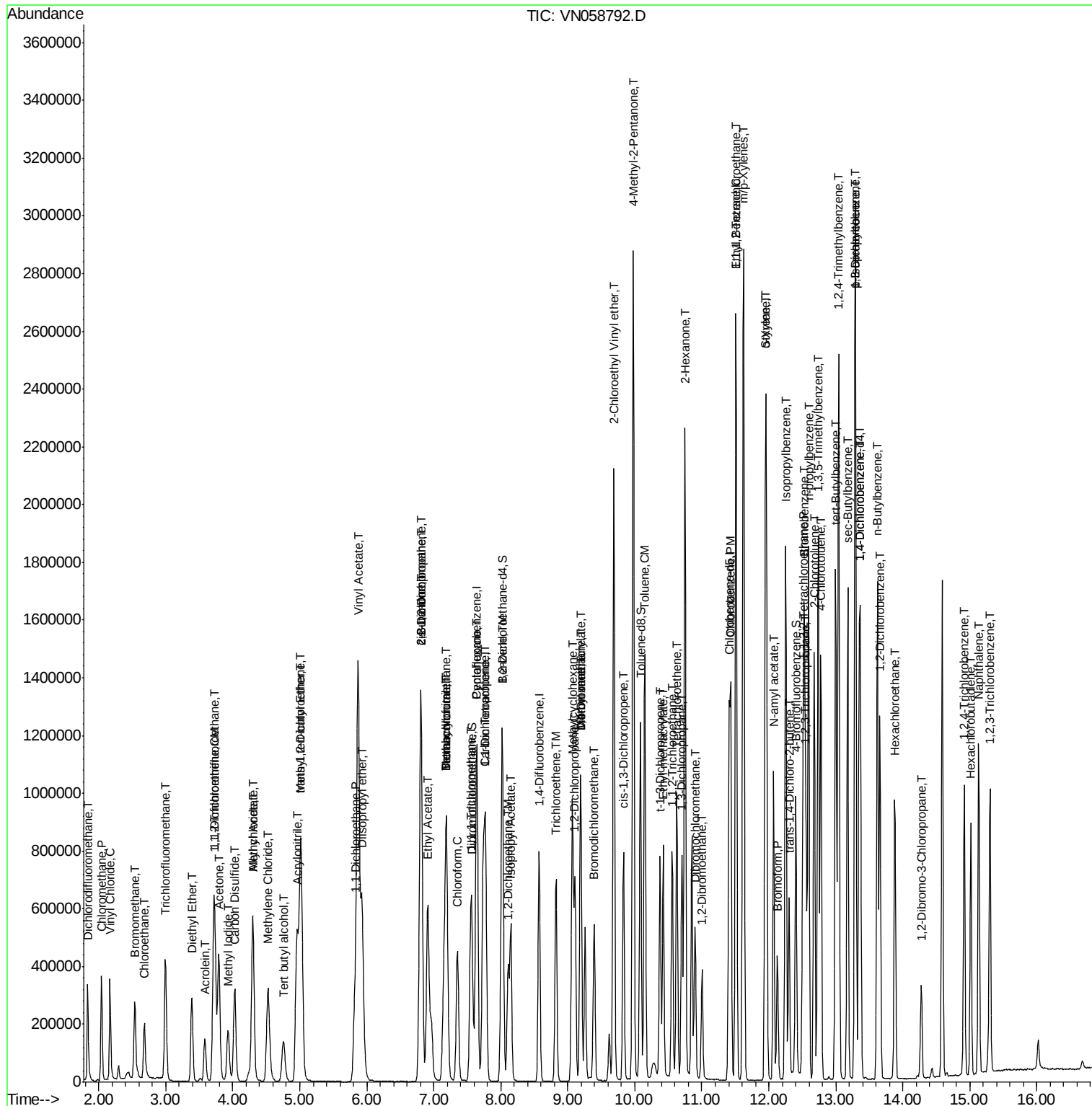
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	306116	51.373	ug/l	100
94) Hexachlorobutadiene	15.02	225	156690	49.934	ug/l	98
95) Naphthalene	15.13	128	898123	52.444	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	292512	50.280	ug/l	98

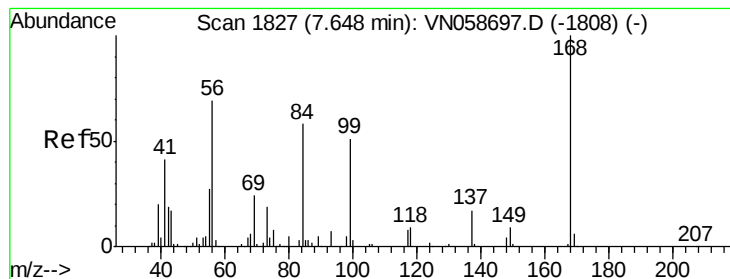
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

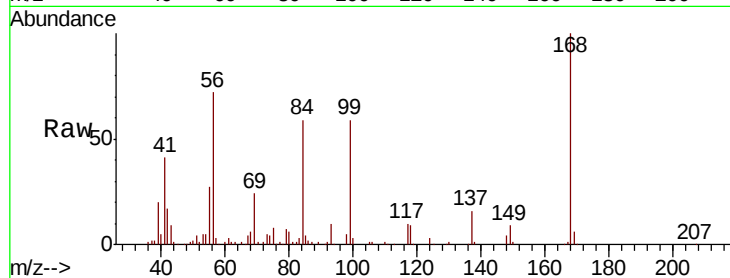
VSTDCCC050

Tot Ion:168 Resp: 426999

Ion Ratio Lower Upper

168 100

99 58.9 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

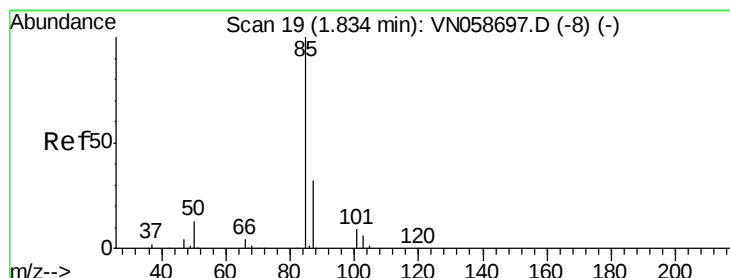
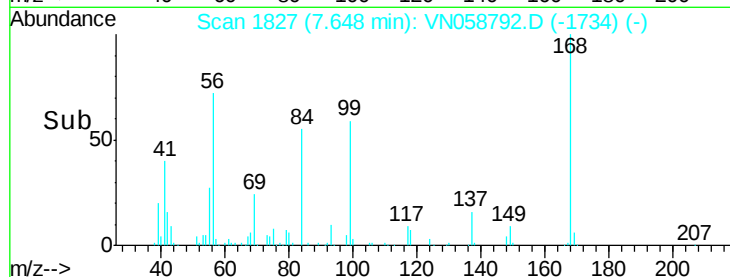
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 50.552 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058792.D

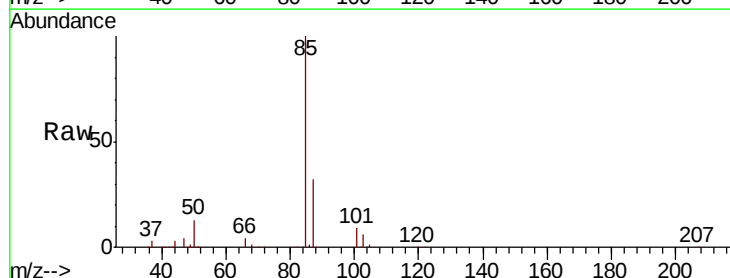
Acq: 16 Oct 2019 10:35

Tgt Ion: 85 Resp: 268835

Ion Ratio Lower Upper

85 100

87 32.5 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

200000

150000

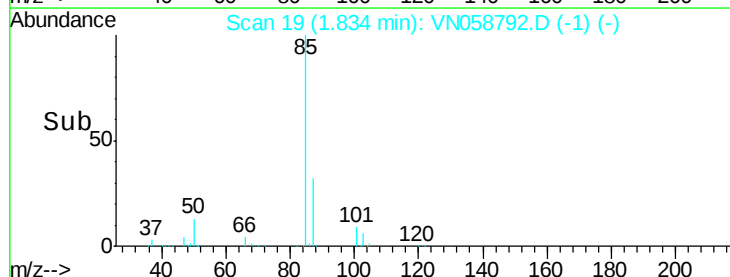
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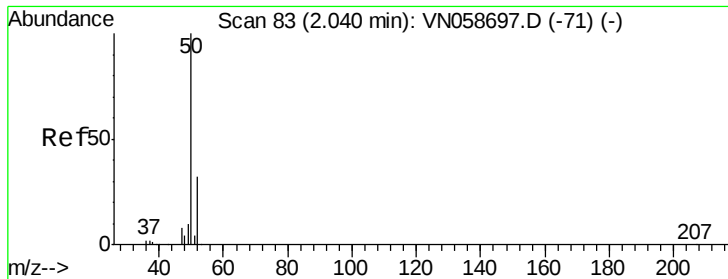
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 49.496 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

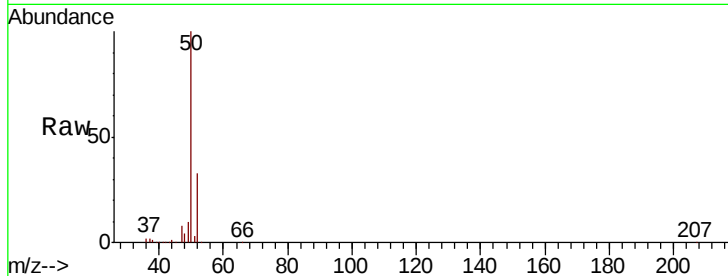
VSTDCCC050

Tot Ion: 50 Resp: 313005

Ion Ratio Lower Upper

50 100

52 32.9 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

250000

200000

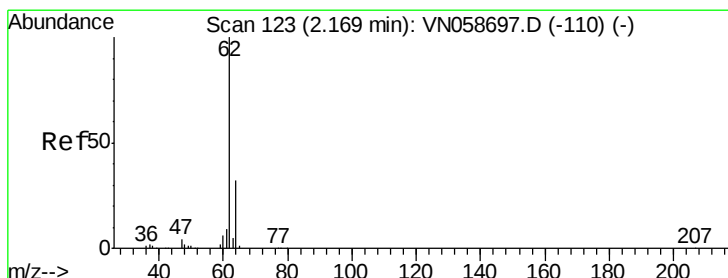
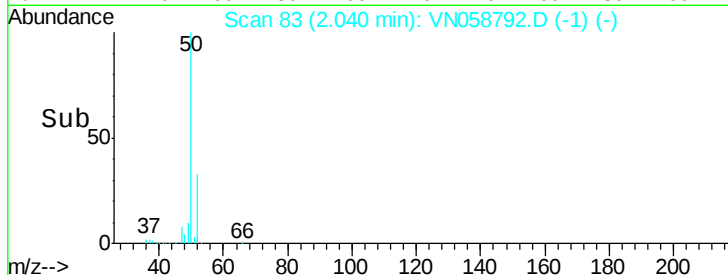
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 51.259 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058792.D

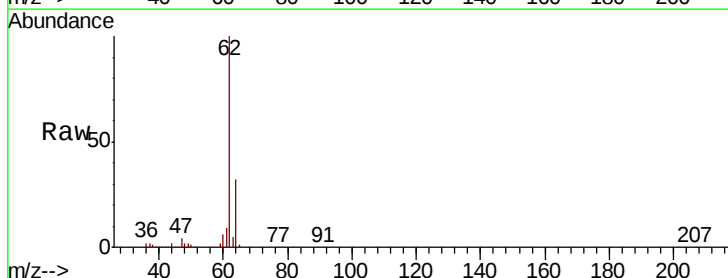
Acq: 16 Oct 2019 10:35

Tgt Ion: 62 Resp: 322846

Ion Ratio Lower Upper

62 100

64 31.9 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.17

250000

200000

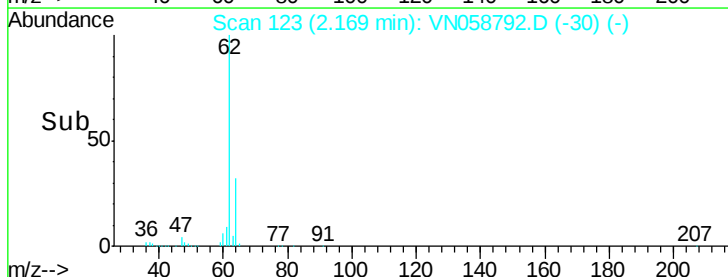
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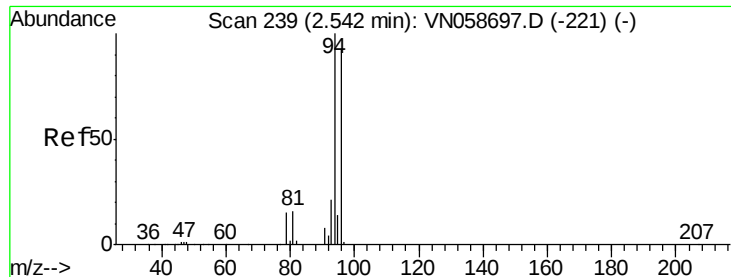
100000

50000

0

Time-->





#5

Bromomethane

Concen: 51.653 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

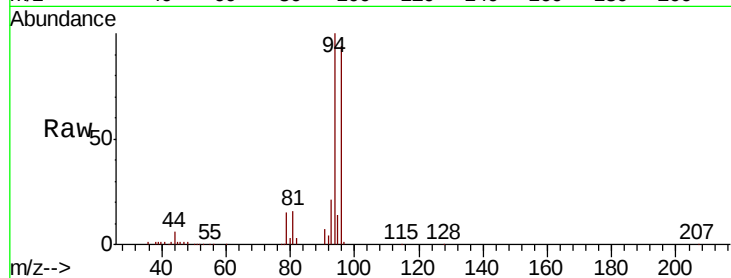
VSTDCCC050

Tot Ion: 94 Resp: 197906

Ion Ratio Lower Upper

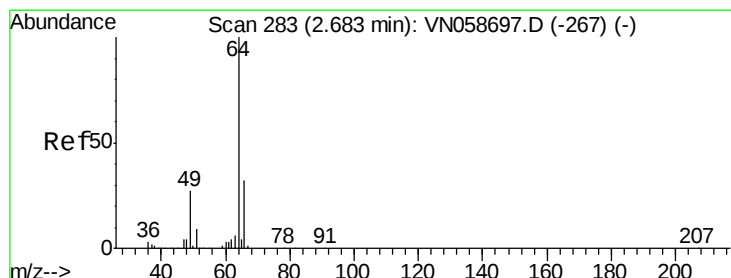
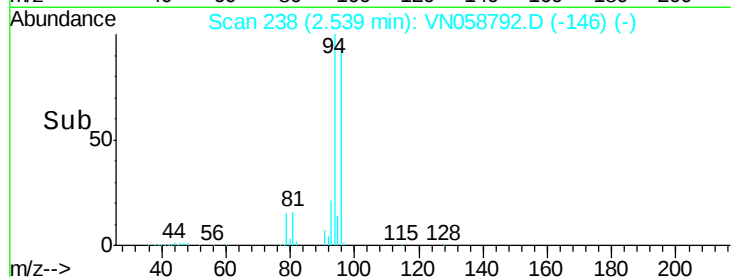
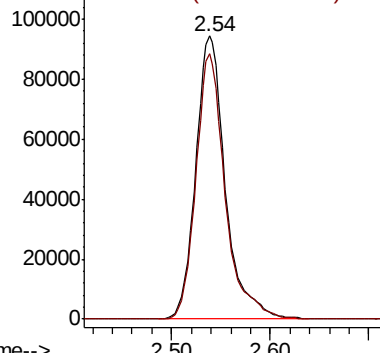
94 100

96 93.9 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 50.920 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN058792.D

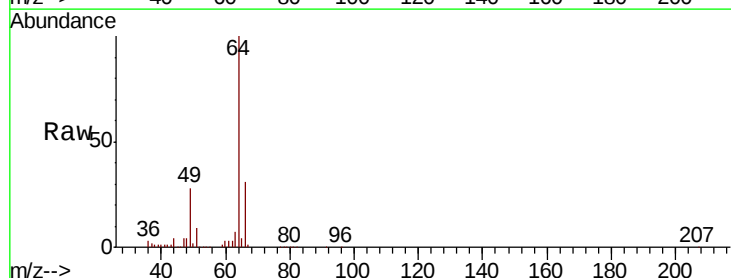
Acq: 16 Oct 2019 10:35

Tgt Ion: 64 Resp: 197818

Ion Ratio Lower Upper

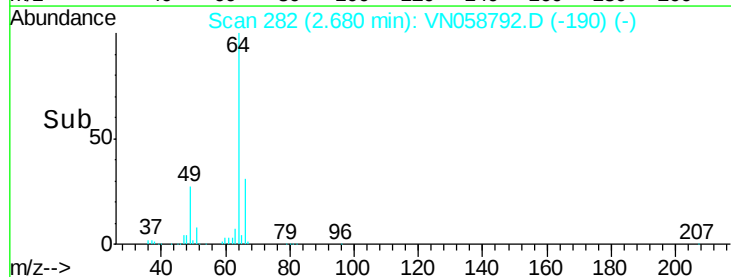
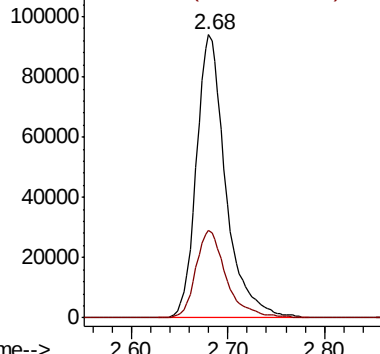
64 100

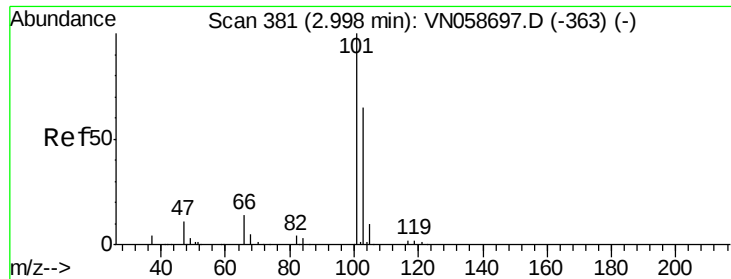
66 30.9 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



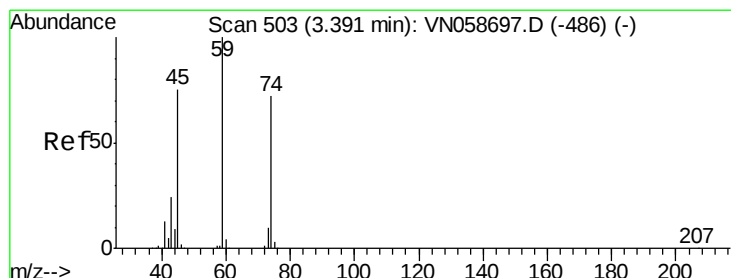
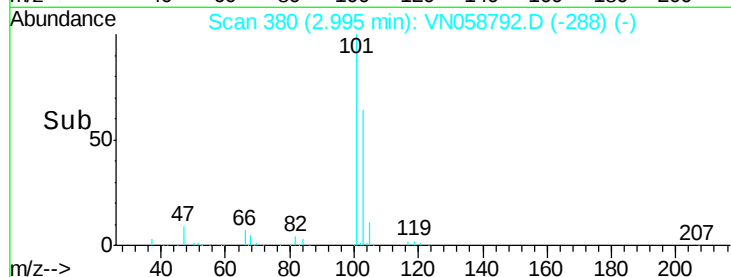
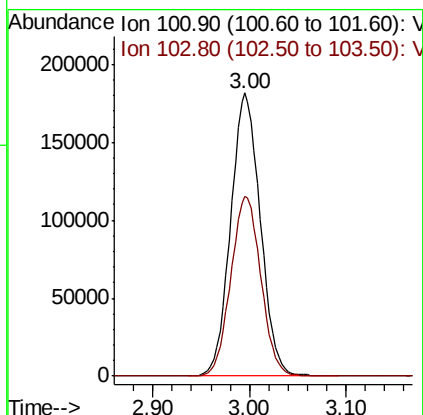
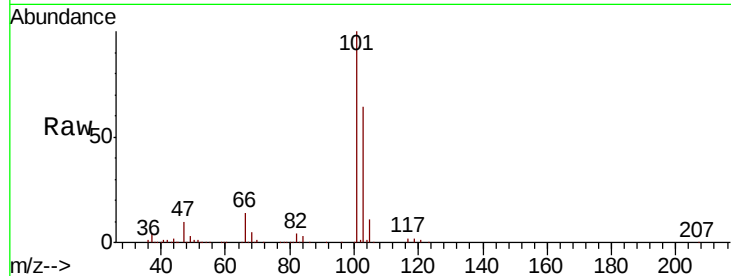


#7

Trichlorofluoromethane
 Concen: 51.277 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN058792.D
 Acq: 16 Oct 2019 10:35

Instrument :
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 VSTDCCC050

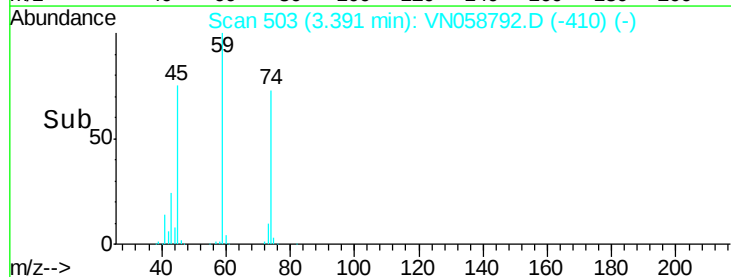
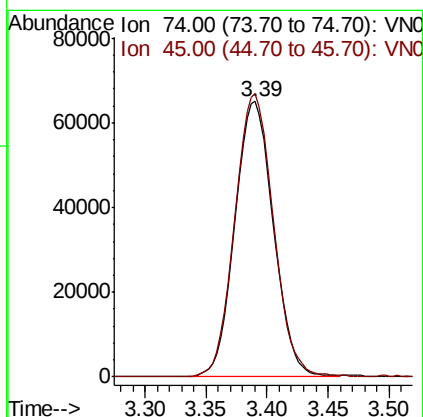
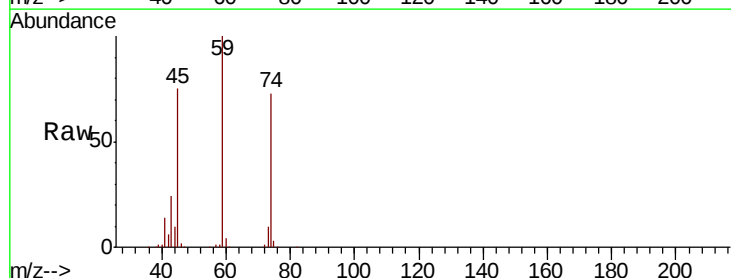
Tot Ion:101 Resp: 386516
 Ion Ratio Lower Upper
 101 100
 103 63.6 51.8 77.6

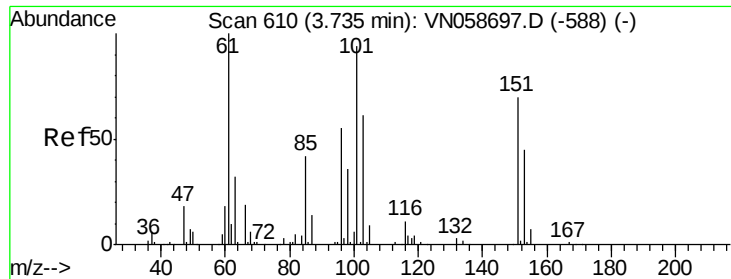


#8

Diethyl Ether
 Concen: 51.029 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN058792.D
 Acq: 16 Oct 2019 10:35

Tgt Ion: 74 Resp: 142120
 Ion Ratio Lower Upper
 74 100
 45 103.5 51.3 154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.883 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

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VSTDCCC050

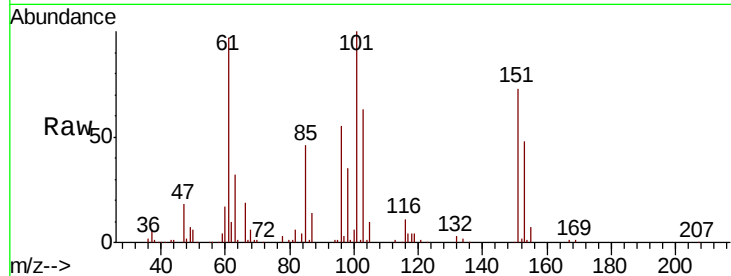
Tot Ion:101 Resp: 218692

Ion Ratio Lower Upper

101 100

85 45.9 37.0 55.6

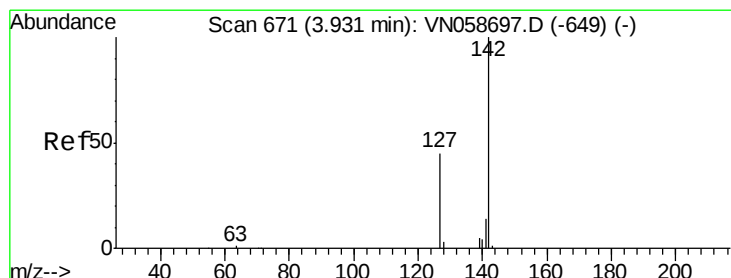
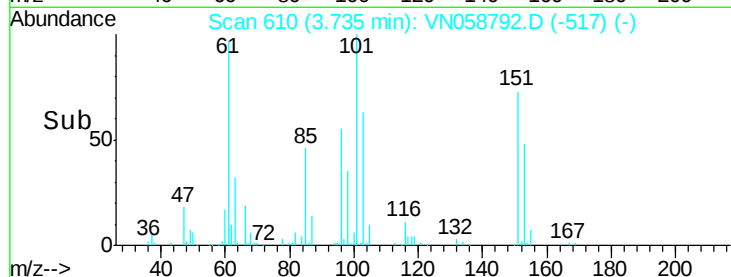
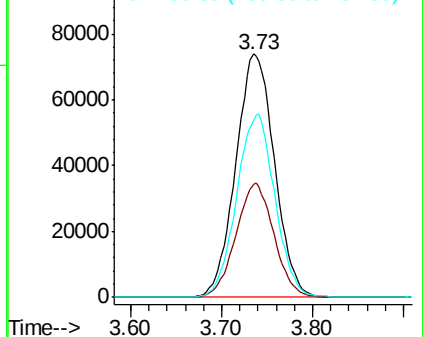
151 74.4 61.8 92.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.249 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

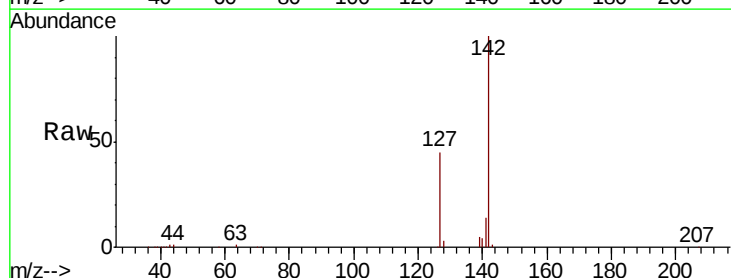
Tgt Ion:142 Resp: 294715

Ion Ratio Lower Upper

142 100

127 45.9 36.4 54.6

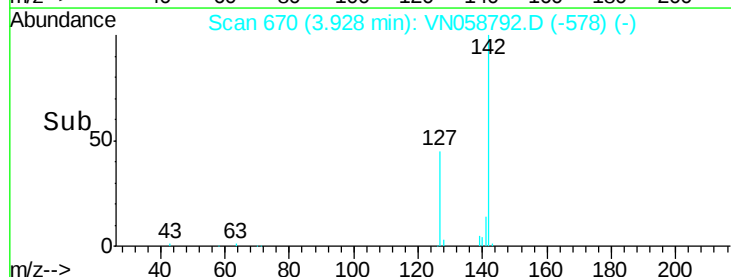
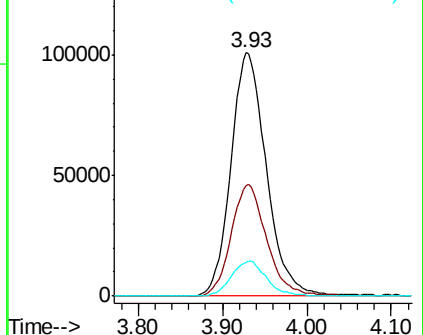
141 14.2 11.1 16.7

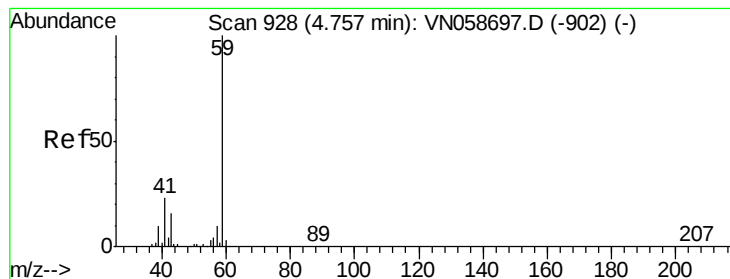


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



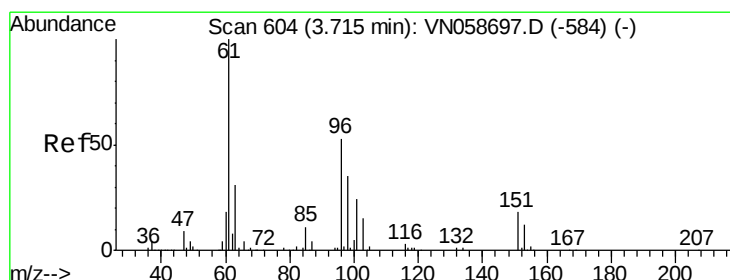
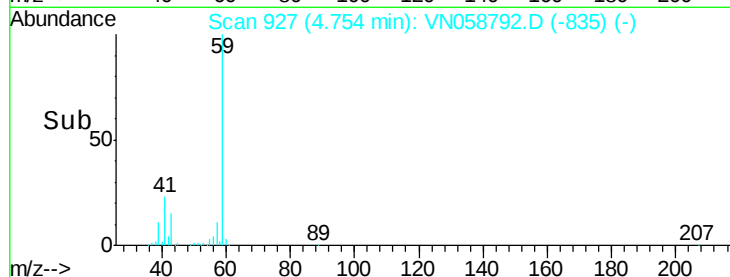
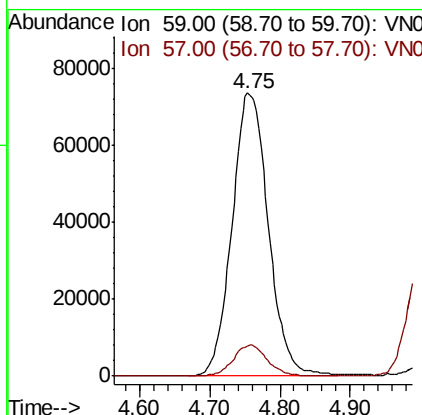
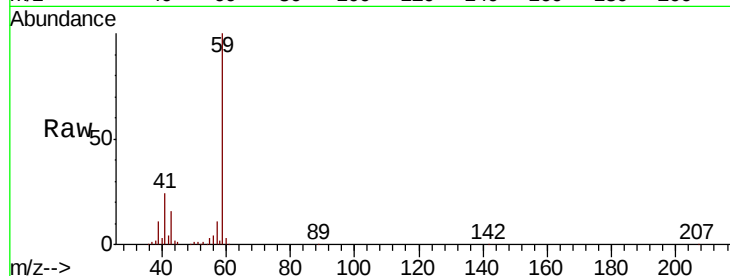


#11

Tert butyl alcohol
 Concen: 272.726 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: VN058792.D
 Acq: 16 Oct 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

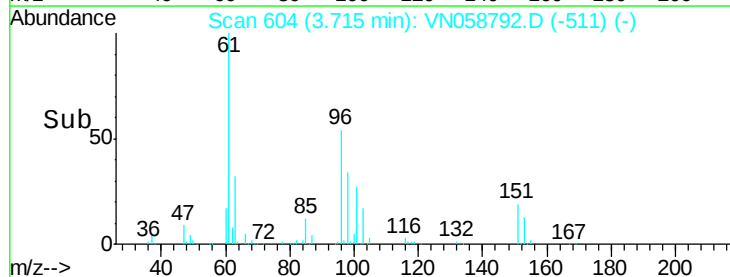
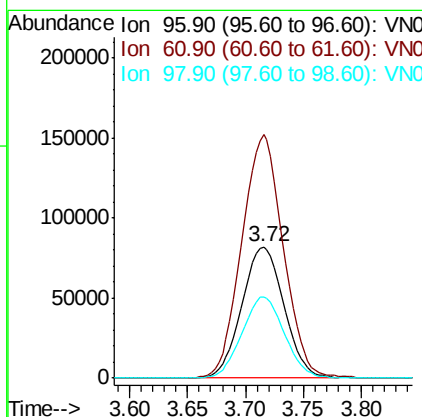
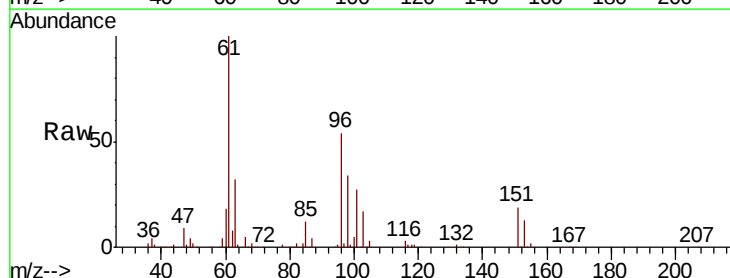
Tot Ion: 59 Resp: 264035
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.4 12.6

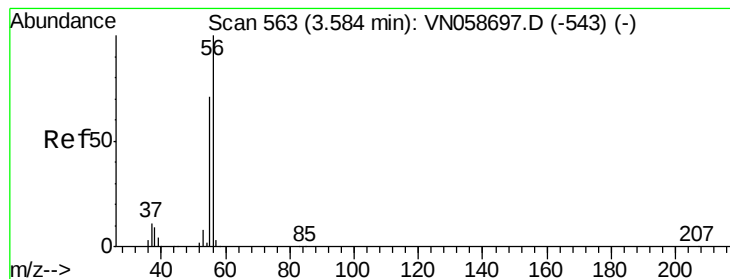


#12

1,1-Dichloroethene
 Concen: 50.685 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058792.D
 Acq: 16 Oct 2019 10:35

Tgt Ion: 96 Resp: 207845
 Ion Ratio Lower Upper
 96 100
 61 185.7 151.3 226.9
 98 62.3 52.6 78.8





#13

Acrolein

Concen: 210.234 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

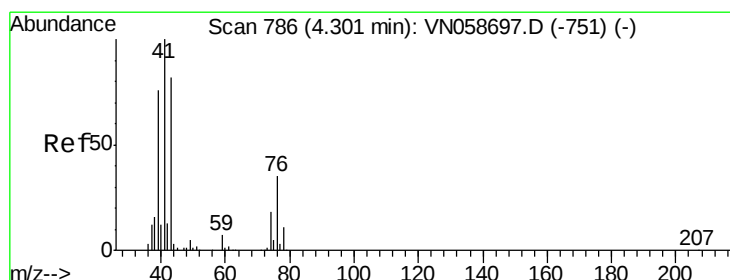
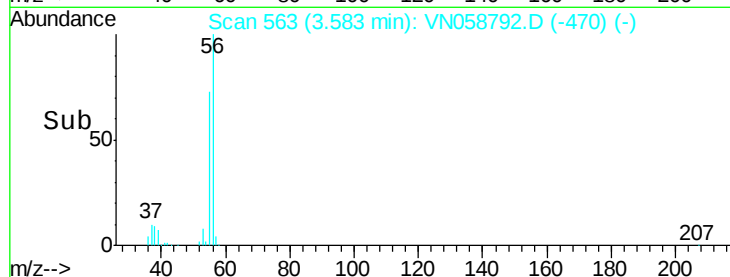
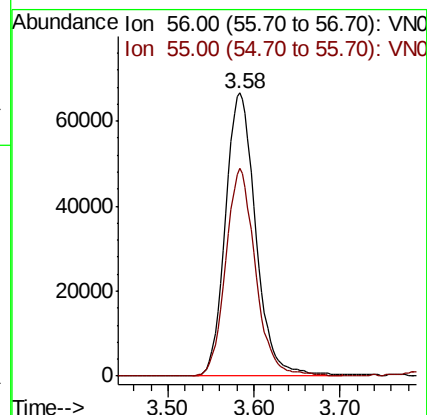
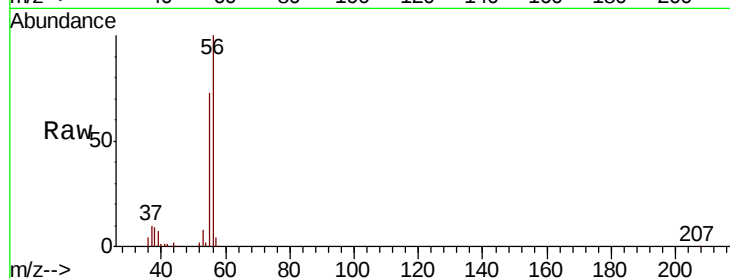
VSTDCCC050

Tot Ion: 56 Resp: 163693

Ion Ratio Lower Upper

56 100

55 71.8 56.7 85.1



#14

Allyl chloride

Concen: 52.082 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

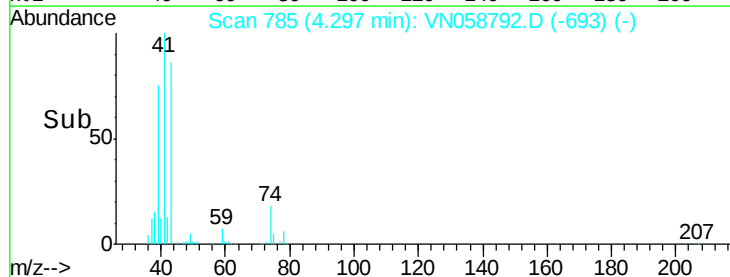
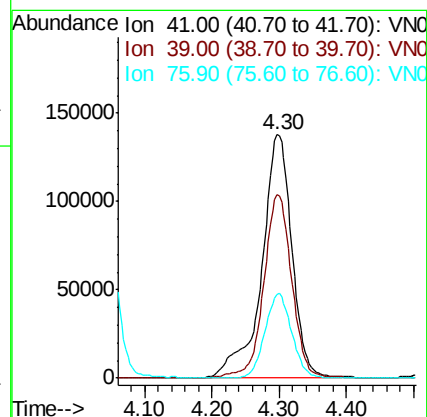
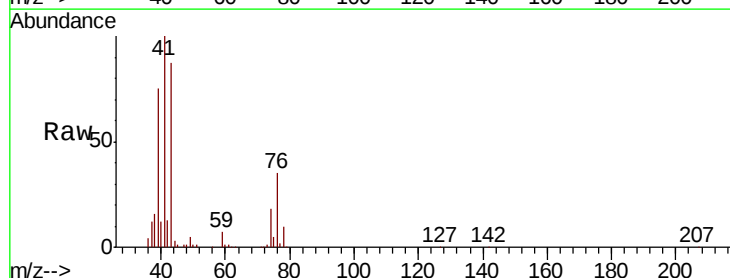
Tgt Ion: 41 Resp: 431001

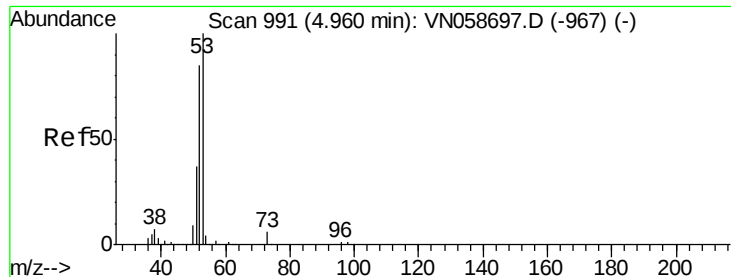
Ion Ratio Lower Upper

41 100

39 69.8 57.2 85.8

76 30.7 25.0 37.6





#15

Acrylonitrile

Concen: 273.668 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

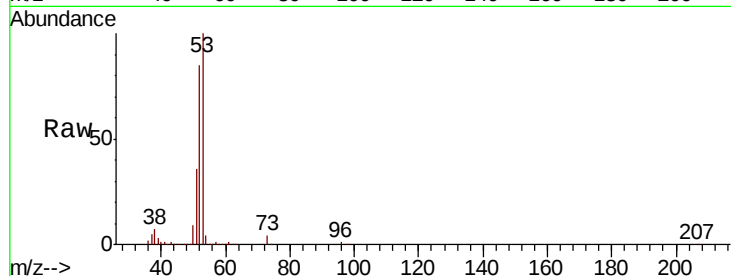
Tot Ion: 53 Resp: 668156

Ion Ratio Lower Upper

53 100

52 83.0 66.2 99.2

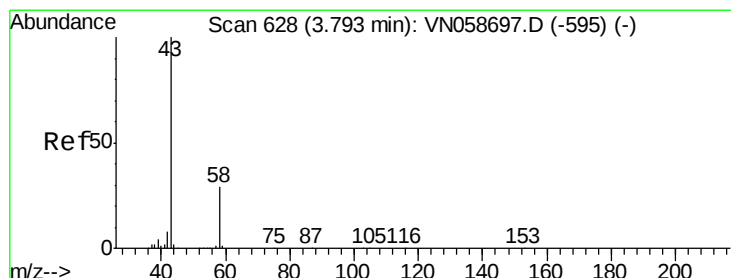
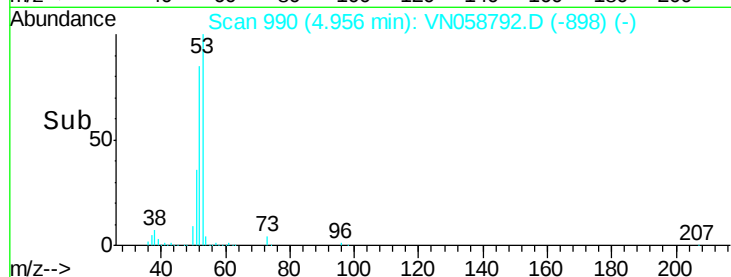
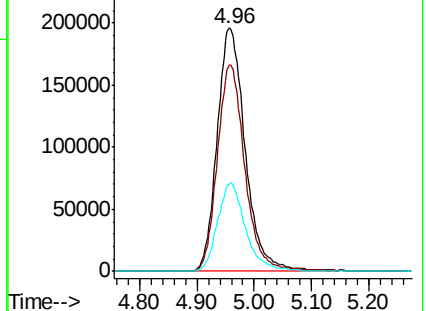
51 36.3 29.4 44.2



Abundance Ion 53.00 (52.70 to 53.70): VN058792.D (-898) (-)

Ion 52.00 (51.70 to 52.70): VN058792.D (-898) (-)

Ion 51.00 (50.70 to 51.70): VN058792.D (-898) (-)



#16

Acetone

Concen: 293.353 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058792.D

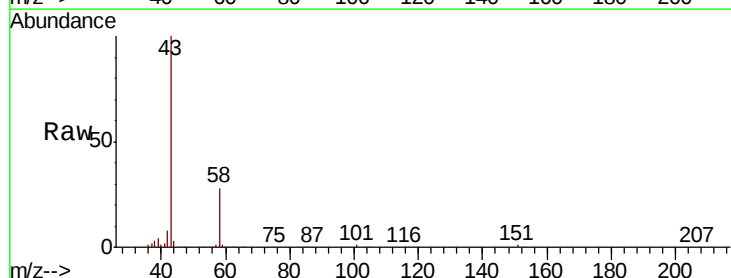
Acq: 16 Oct 2019 10:35

Tgt Ion: 43 Resp: 725996

Ion Ratio Lower Upper

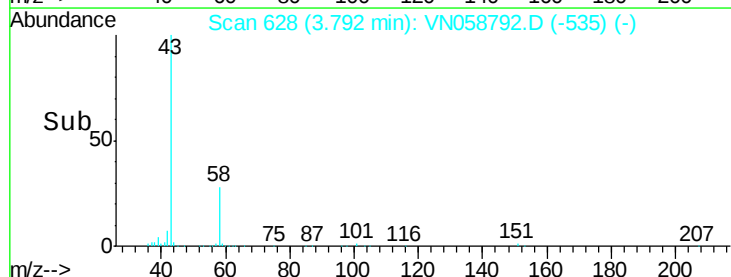
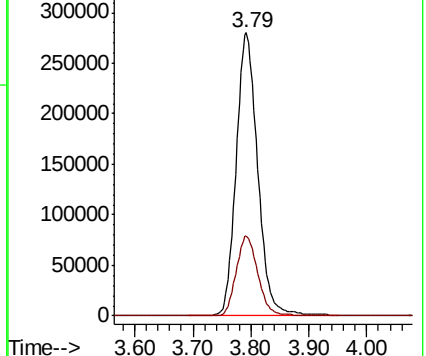
43 100

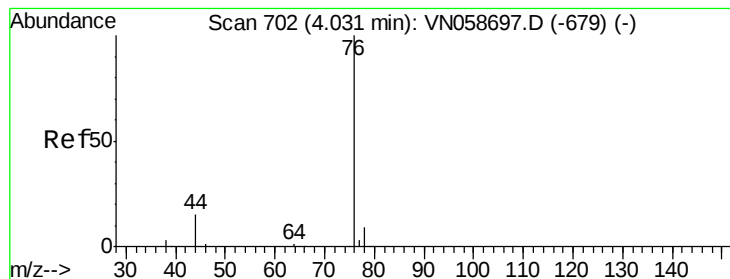
58 28.3 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN058792.D (-535) (-)

Ion 58.00 (57.70 to 58.70): VN058792.D (-535) (-)





#17

Carbon Disulfide

Concen: 47.481 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

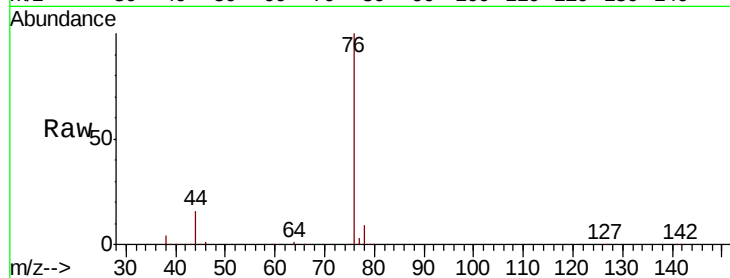
VSTDCCC050

Tot Ion: 76 Resp: 622382

Ion Ratio Lower Upper

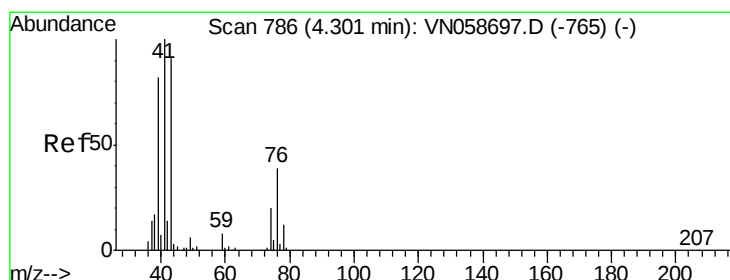
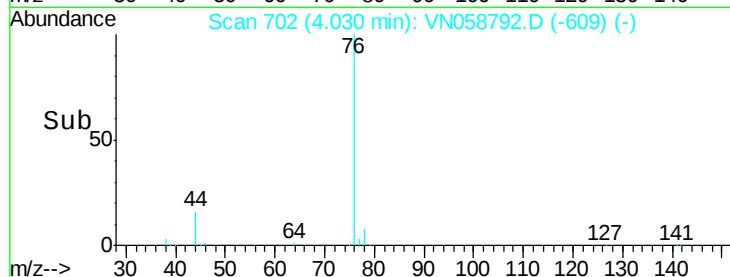
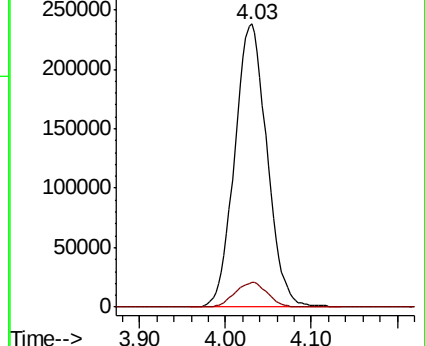
76 100

78 8.9 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 54.002 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058792.D

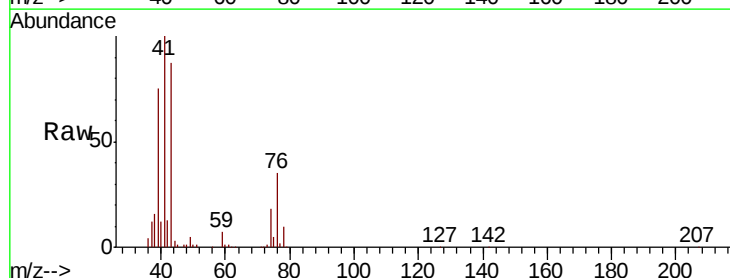
Acq: 16 Oct 2019 10:35

Tgt Ion: 43 Resp: 339001

Ion Ratio Lower Upper

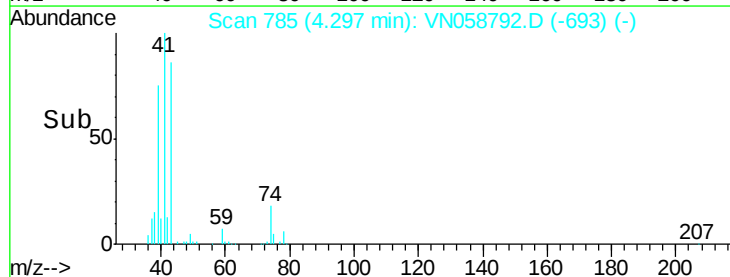
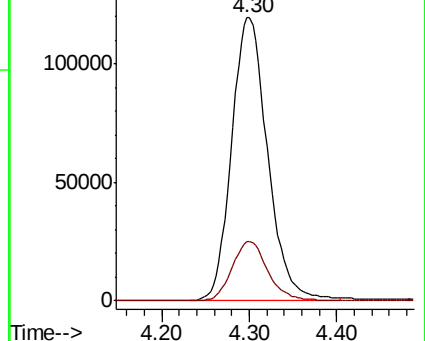
43 100

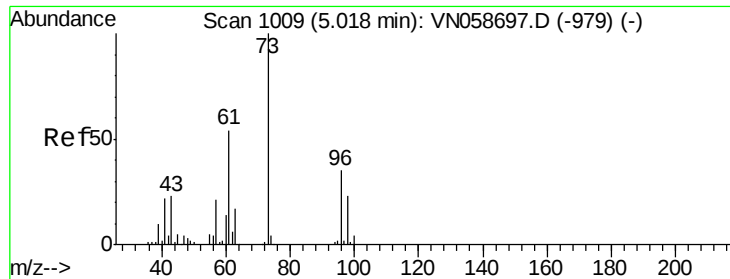
74 21.0 17.2 25.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

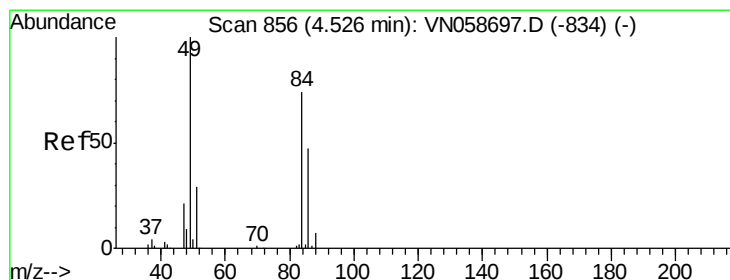
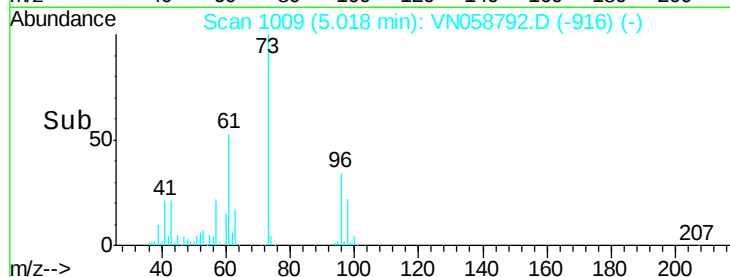
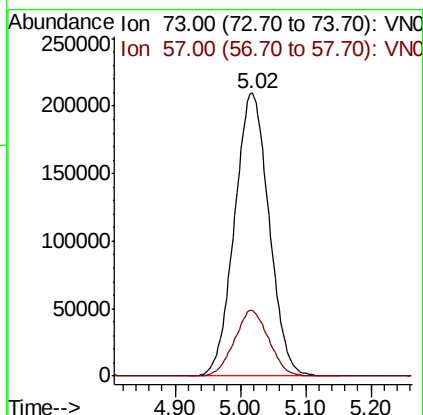
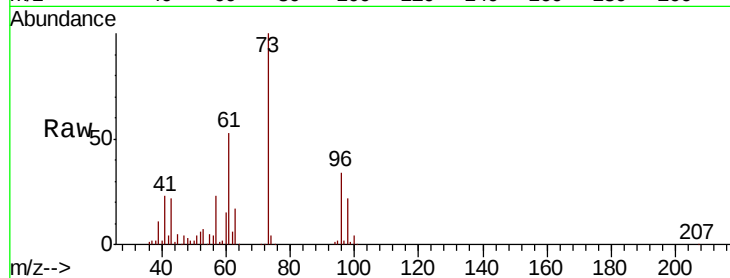




#19
Methvl tert-butvl Ether
Concen: 52.606 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

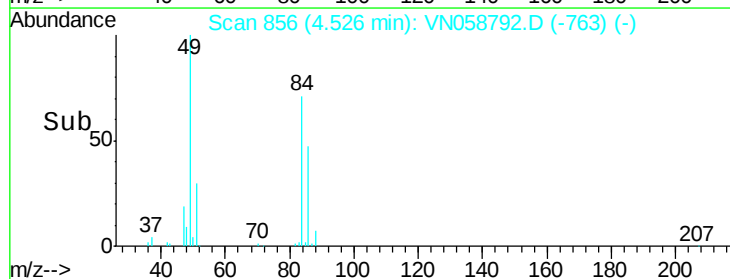
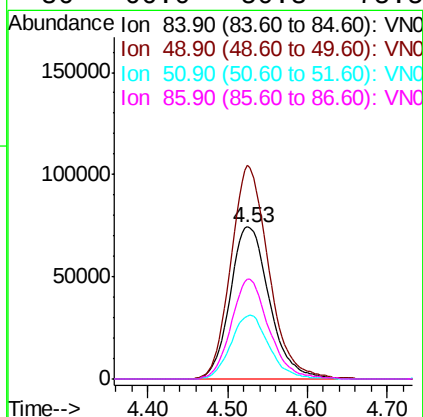
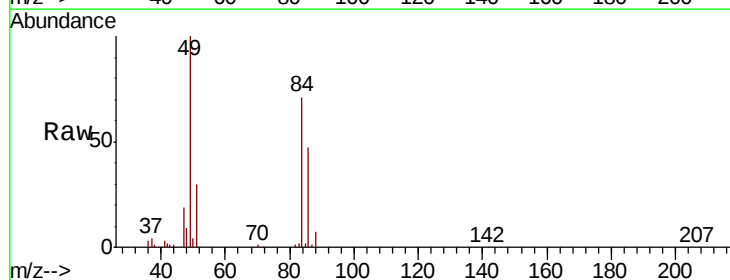
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

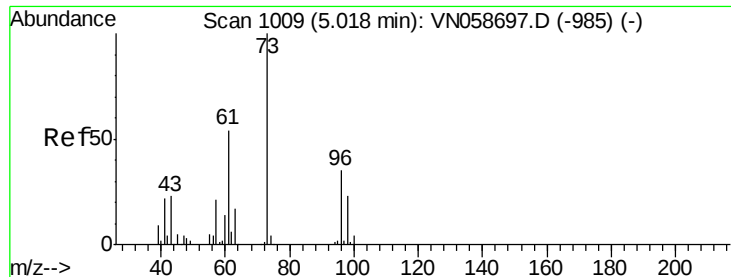
Tot Ion: 73 Resp: 770313
Ion Ratio Lower Upper
73 100
57 23.1 17.0 25.6



#20
Methylene Chloride
Concen: 47.963 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Tgt Ion: 84 Resp: 248078
Ion Ratio Lower Upper
84 100
49 140.4 107.6 161.4
51 41.6 31.4 47.0
86 66.0 50.3 75.5

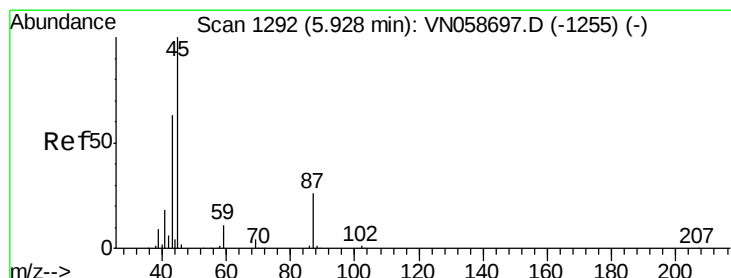
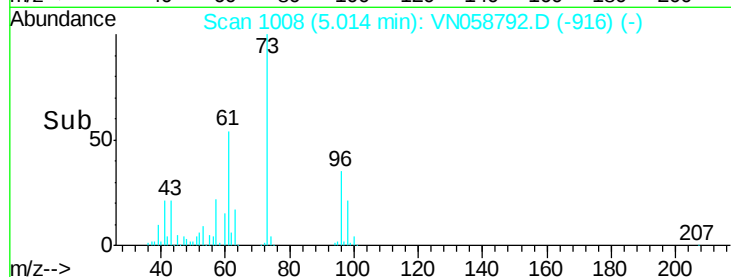
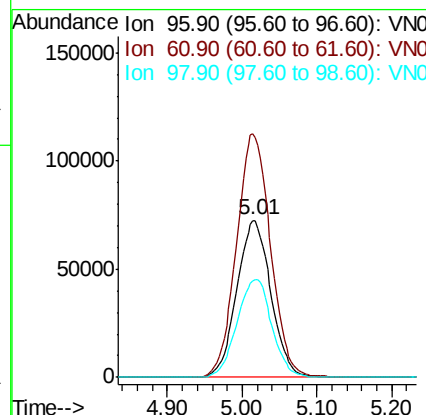
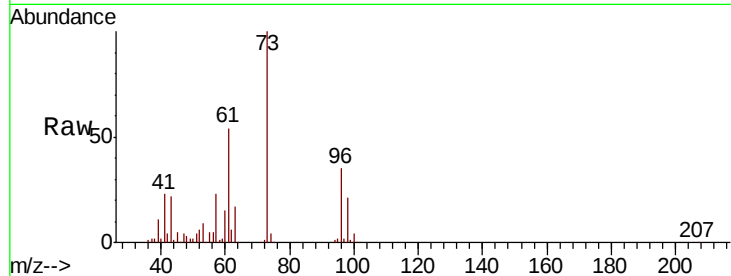




#21
trans-1,2-Dichloroethene
Concen: 49.975 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

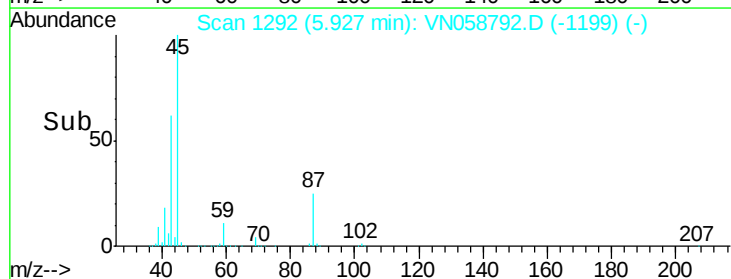
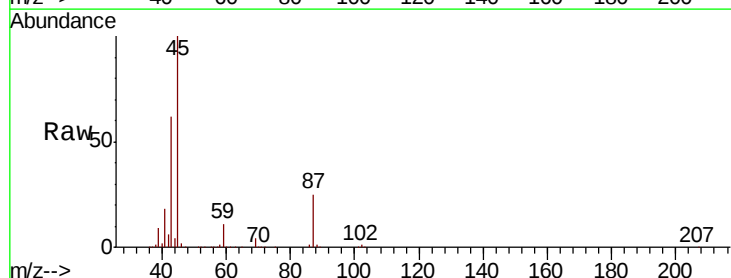
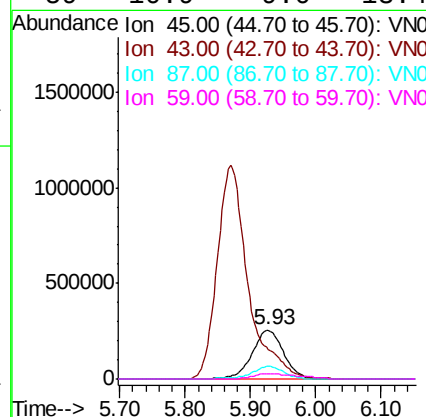
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

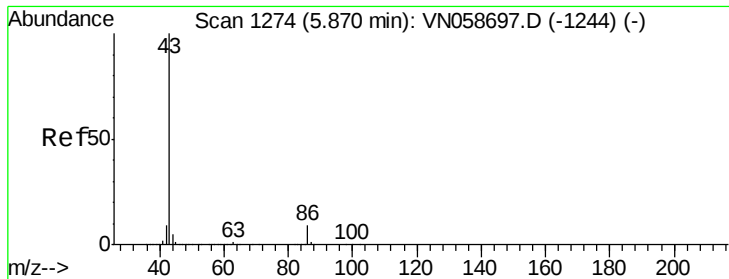
Tot Ion: 96 Resp: 229234
Ion Ratio Lower Upper
96 100
61 155.1 123.6 185.4
98 61.6 52.1 78.1



#22
Diisopropyl ether
Concen: 53.495 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Tgt Ion: 45 Resp: 860755
Ion Ratio Lower Upper
45 100
43 60.5 50.6 75.8
87 25.4 21.1 31.7
59 10.9 9.0 13.4





#23

Vinyl Acetate

Concen: 283.702 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

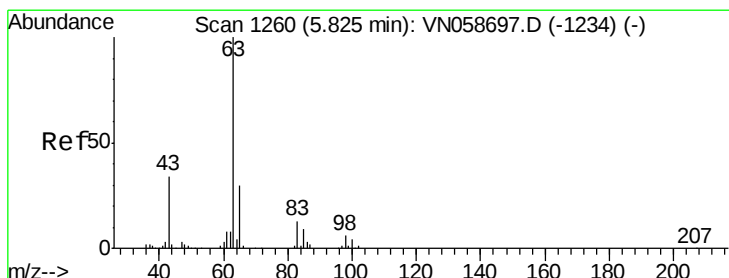
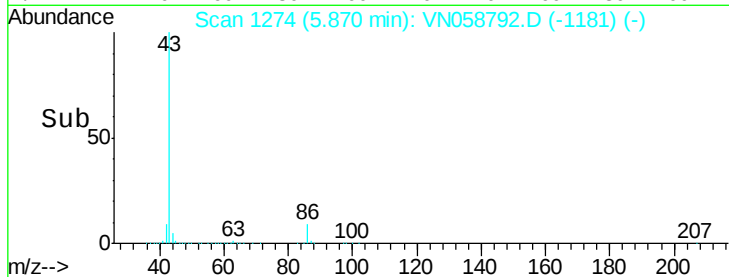
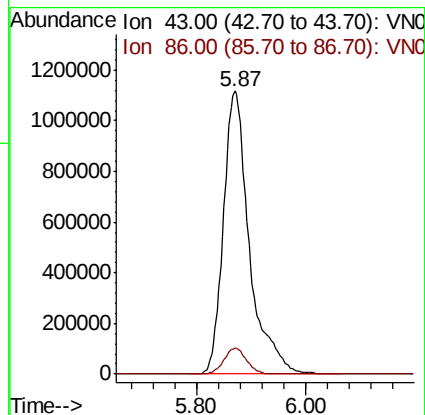
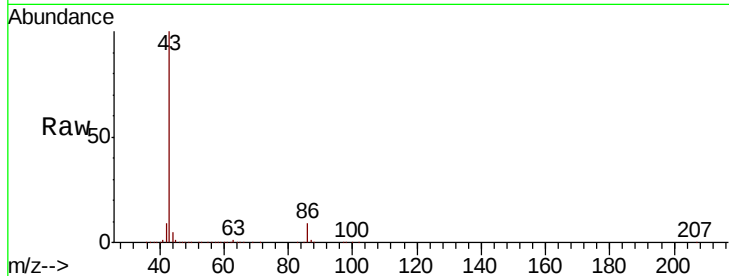
VSTDCCC050

Tot Ion: 43 Resp: 3683397

Ion Ratio Lower Upper

43 100

86 9.0 7.4 11.0



#24

1,1-Dichloroethane

Concen: 51.509 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

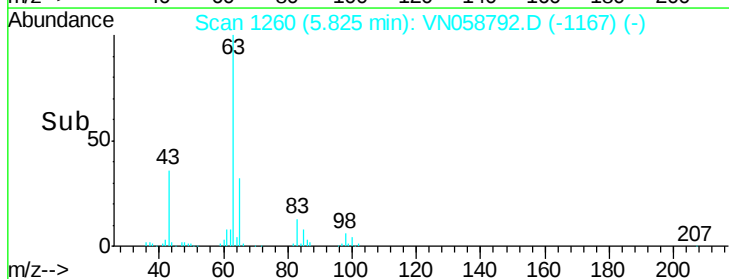
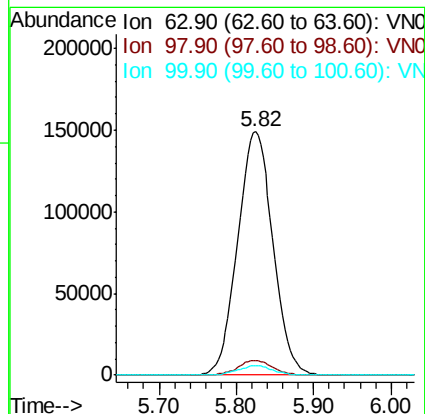
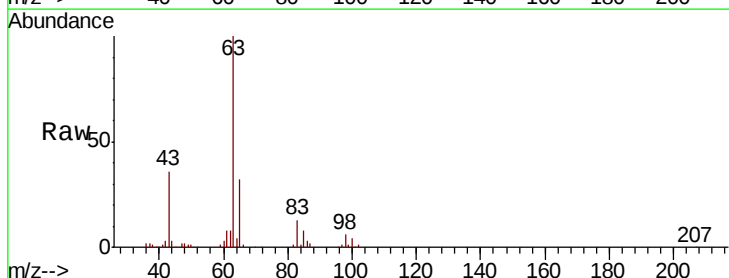
Tgt Ion: 63 Resp: 472028

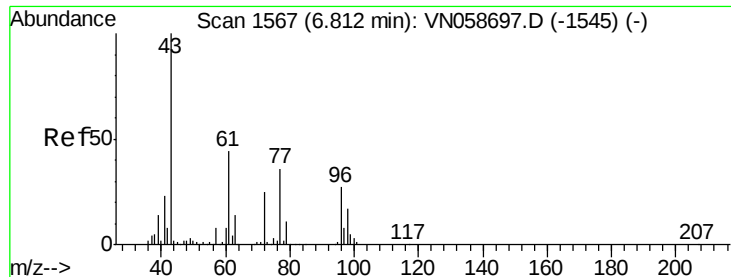
Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.6

100 3.8 1.8 5.5





#25

2-Butanone

Concen: 277.586 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

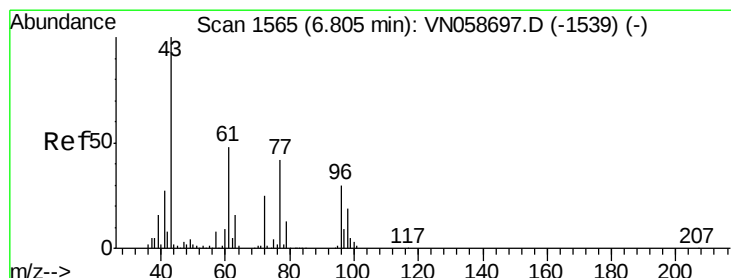
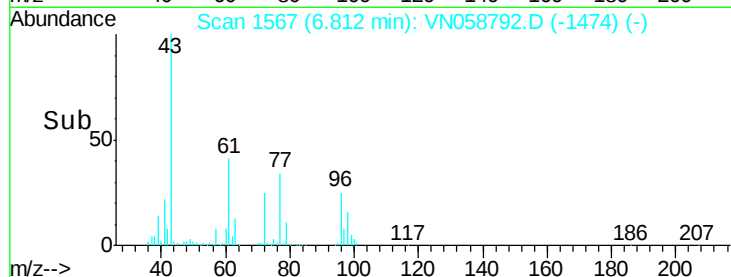
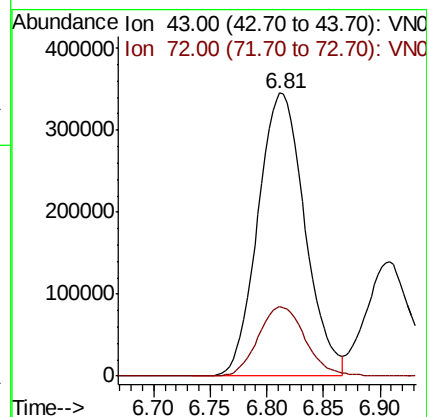
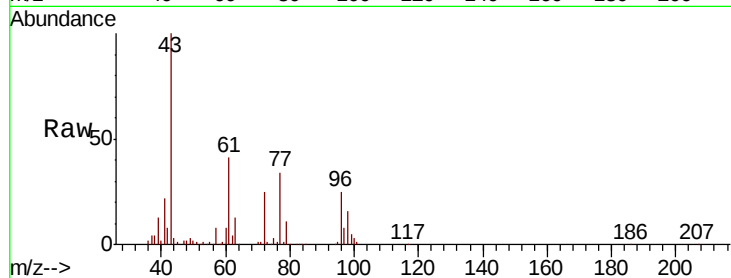
VSTDCCC050

Tot Ion: 43 Resp: 992953

Ion Ratio Lower Upper

43 100

72 24.6 20.2 30.2



#26

2,2-Dichloropropane

Concen: 49.954 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058792.D

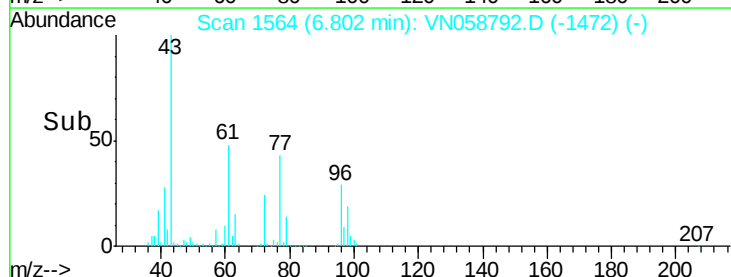
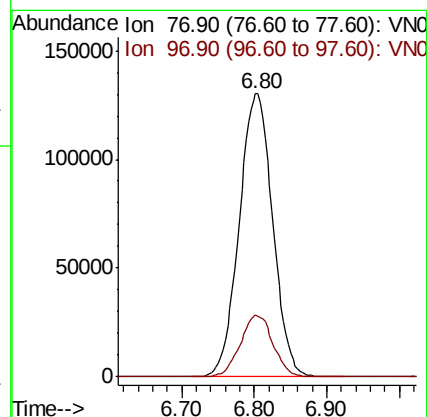
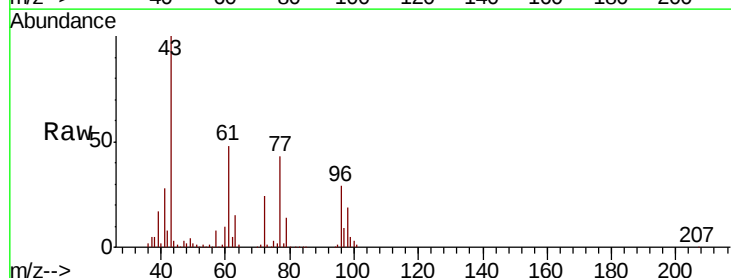
Acq: 16 Oct 2019 10:35

Tgt Ion: 77 Resp: 417878

Ion Ratio Lower Upper

77 100

97 21.2 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 49.344 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

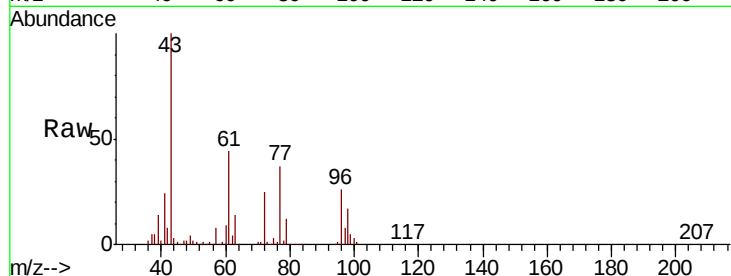
Tot Ion: 96 Resp: 263940

Ion Ratio Lower Upper

96 100

61 164.0 0.0 324.8

98 65.5 0.0 129.2

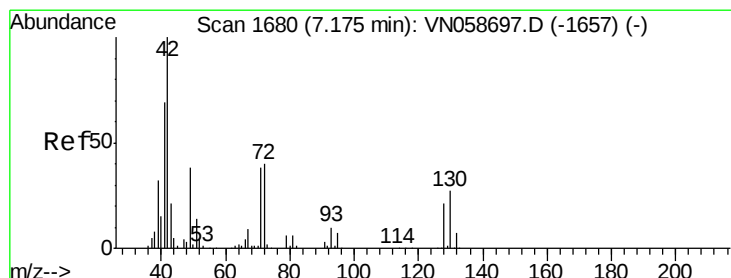
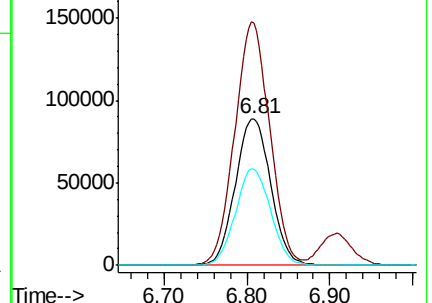
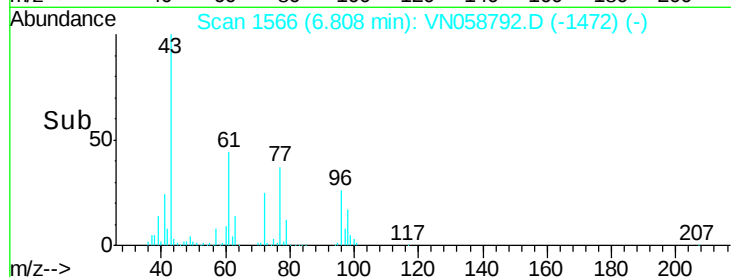


Abundance Ion 95.90 (95.60 to 96.60): VN058792.D (-1472) (-)

Ion 60.90 (60.60 to 61.60): VN058792.D (-1472) (-)

Ion 97.90 (97.60 to 98.60): VN058792.D (-1472) (-)

Time-->



#28

Bromochloromethane

Concen: 51.802 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

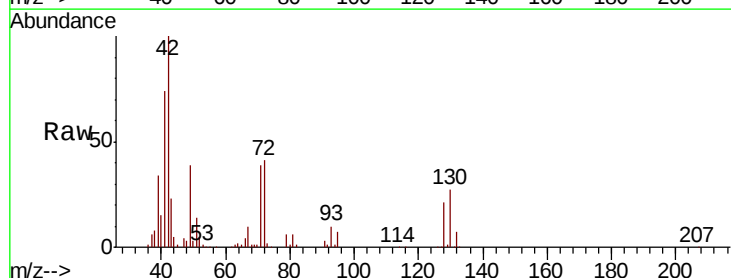
Tgt Ion: 49 Resp: 165150

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.6

130 66.4 55.0 82.4

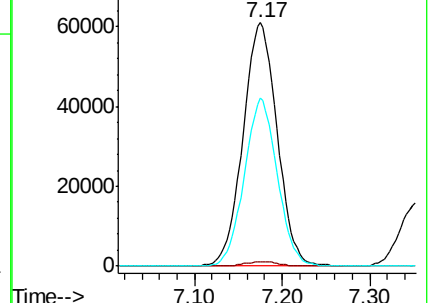
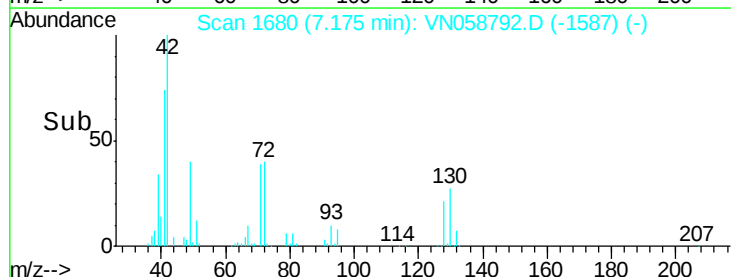


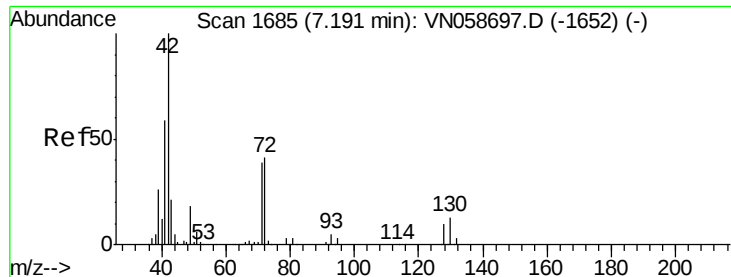
Abundance Ion 48.90 (48.60 to 49.60): VN058792.D (-1587) (-)

Ion 128.80 (128.50 to 129.50): VN058792.D (-1587) (-)

Ion 129.80 (129.50 to 130.50): VN058792.D (-1587) (-)

Time-->

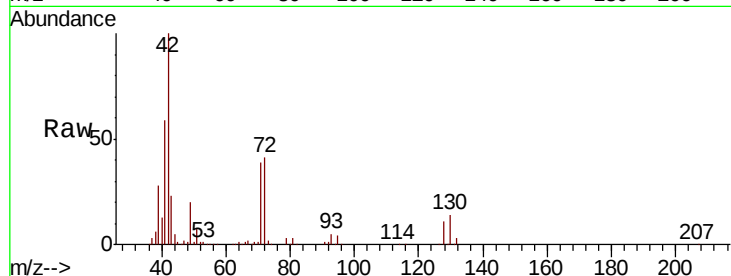




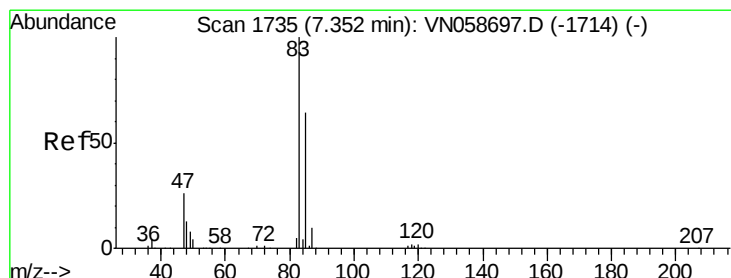
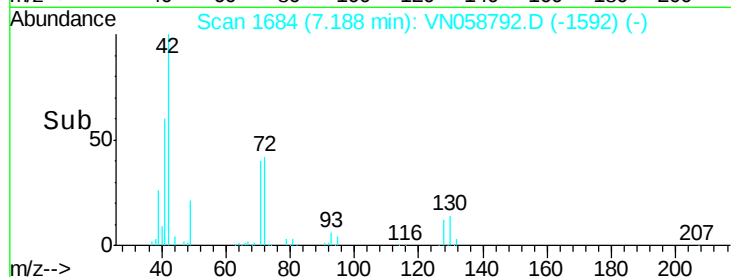
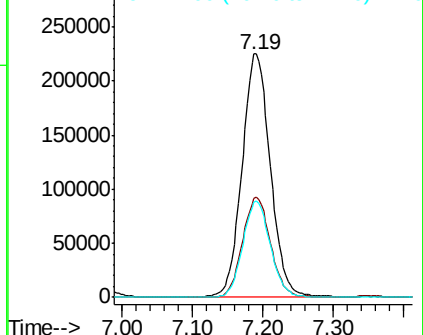
#29
Tetrahydrofuran
Concen: 271.448 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 627488
Ion Ratio Lower Upper
42 100
72 40.7 32.8 49.2
71 38.7 31.1 46.7

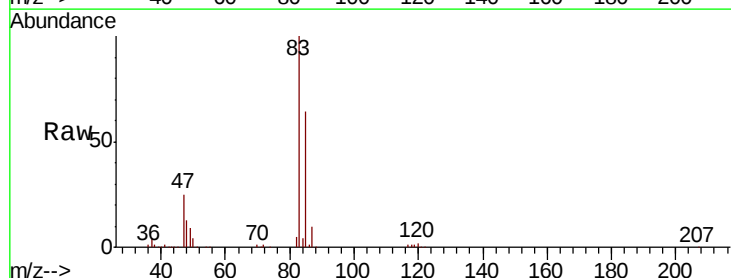


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

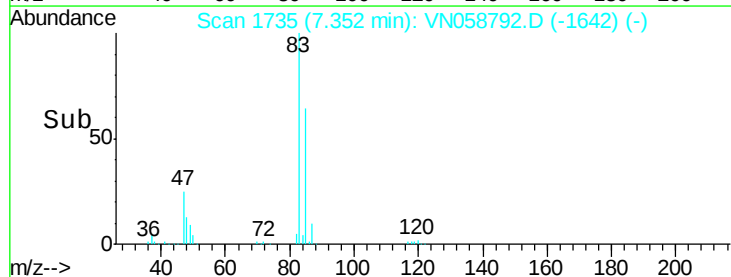
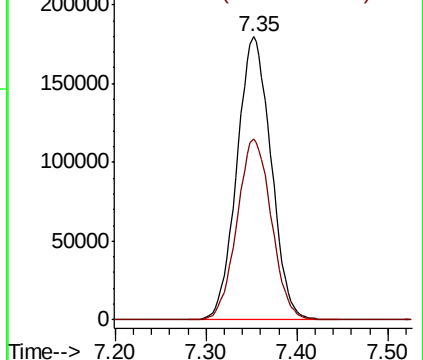


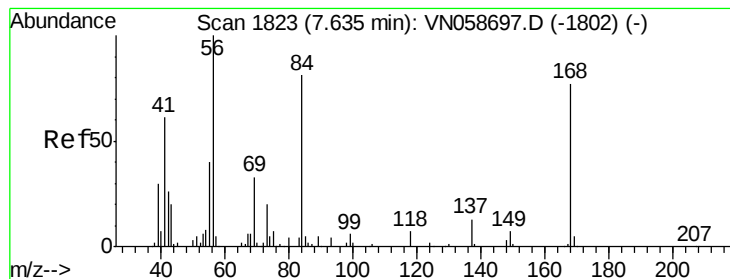
#30
Chloroform
Concen: 50.920 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Tgt Ion: 83 Resp: 468824
Ion Ratio Lower Upper
83 100
85 63.9 51.0 76.6



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





#31

Cyclohexane

Concen: 49.217 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

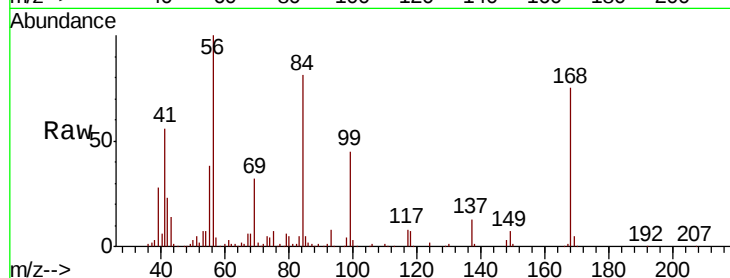
Tot Ion: 56 Resp: 431551

Ion Ratio Lower Upper

56 100

69 31.6 26.2 39.4

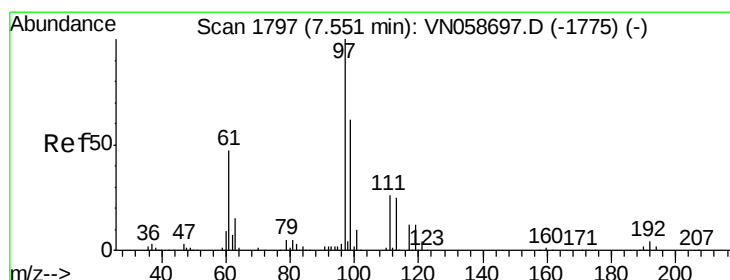
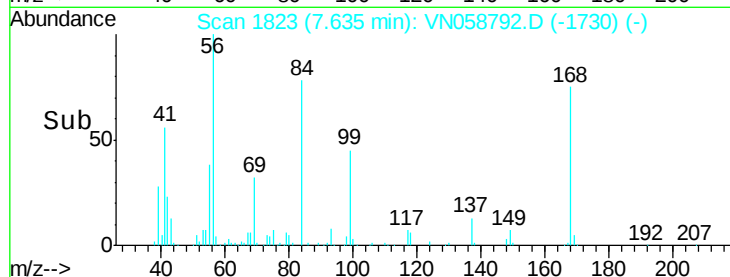
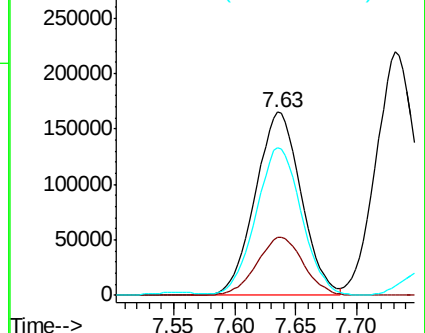
84 79.6 64.9 97.3



Abundance Ion 56.00 (55.70 to 56.70): VN058792.D (-1730) (-)

Ion 69.00 (68.70 to 69.70): VN058792.D (-1730) (-)

Ion 84.00 (83.70 to 84.70): VN058792.D (-1730) (-)



#32

1,1,1-Trichloroethane

Concen: 51.736 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

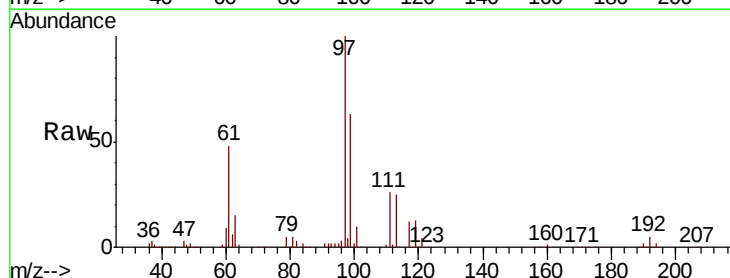
Tgt Ion: 97 Resp: 406234

Ion Ratio Lower Upper

97 100

99 63.7 50.8 76.2

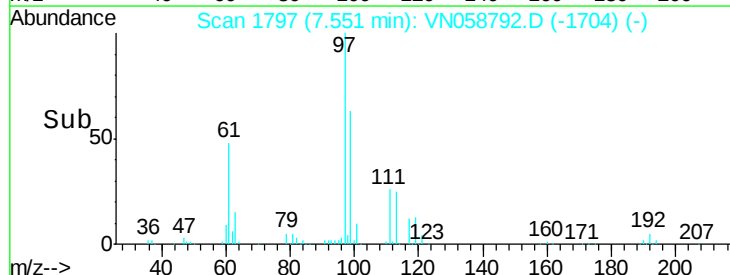
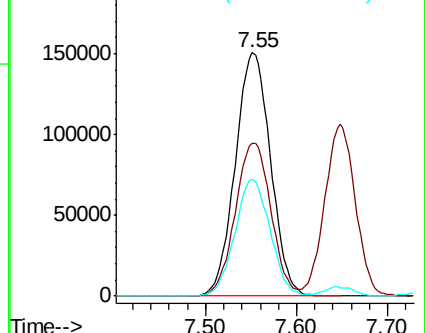
61 48.0 38.1 57.1

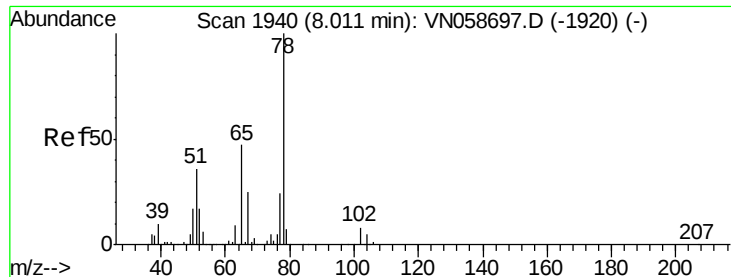


Abundance Ion 96.90 (96.60 to 97.60): VN058792.D (-1704) (-)

Ion 98.90 (98.60 to 99.60): VN058792.D (-1704) (-)

Ion 60.90 (60.60 to 61.60): VN058792.D (-1704) (-)





#33

1,2-Dichloroethane-d4

Concen: 50.407 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

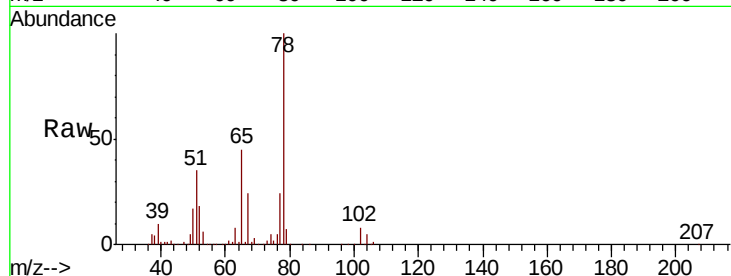
VSTDCCC050

Tot Ion: 65 Resp: 301326

Ion Ratio Lower Upper

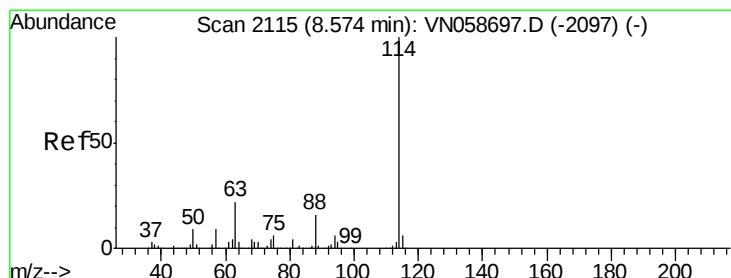
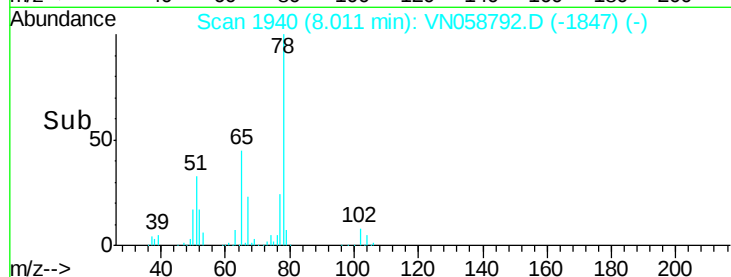
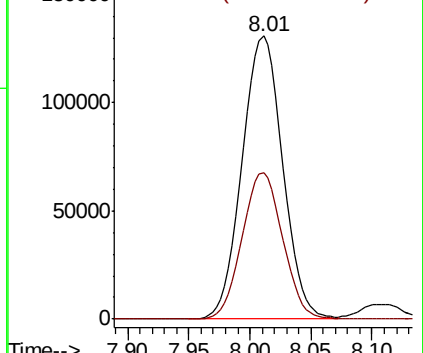
65 100

67 51.8 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN058792.D (-1847) (-)

Ion 66.90 (66.60 to 67.60): VN058792.D (-1847) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

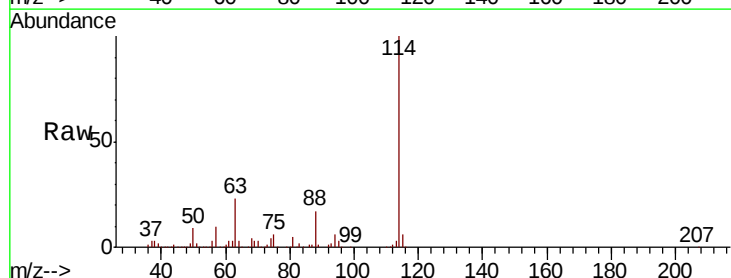
Tgt Ion: 114 Resp: 682568

Ion Ratio Lower Upper

114 100

63 23.1 0.0 43.8

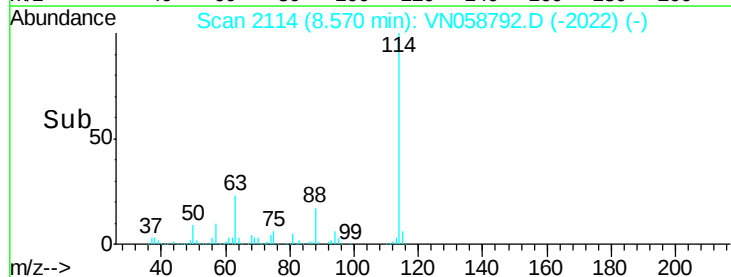
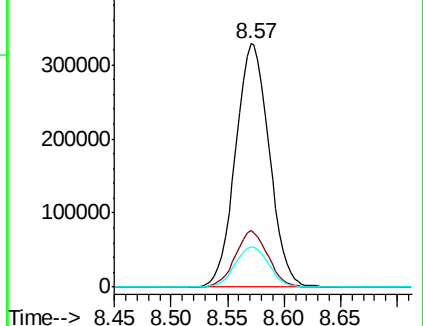
88 16.7 0.0 32.0

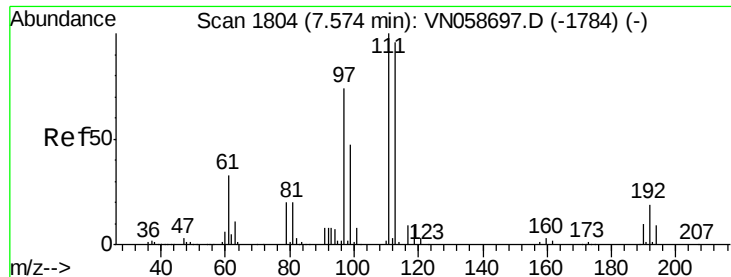


Abundance Ion 113.90 (113.60 to 114.60): VN058792.D (-2022) (-)

Ion 63.00 (62.70 to 63.70): VN058792.D (-2022) (-)

Ion 87.90 (87.60 to 88.60): VN058792.D (-2022) (-)

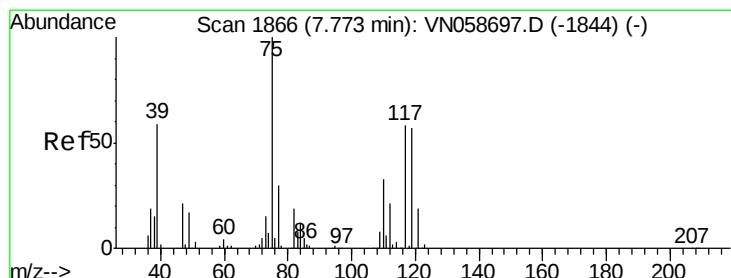
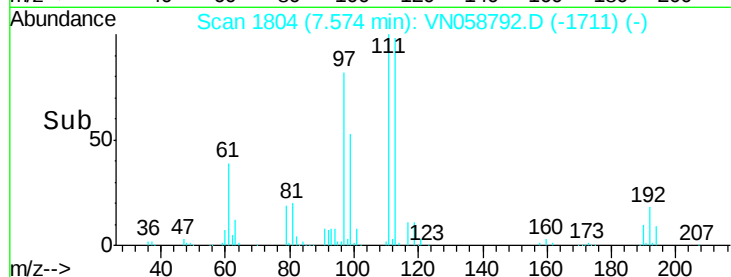
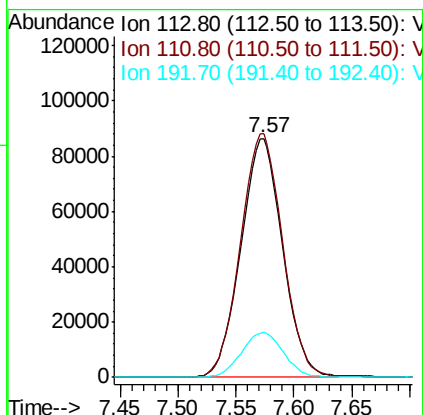
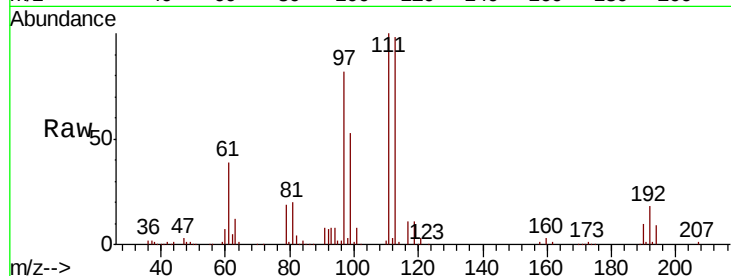




#35
 Dibromofluoromethane
 Concen: 51.174 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058792.D
 Acq: 16 Oct 2019 10:35

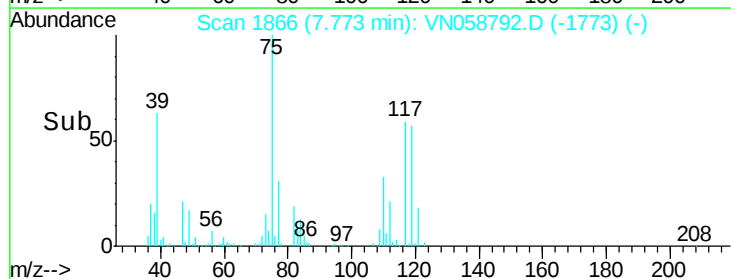
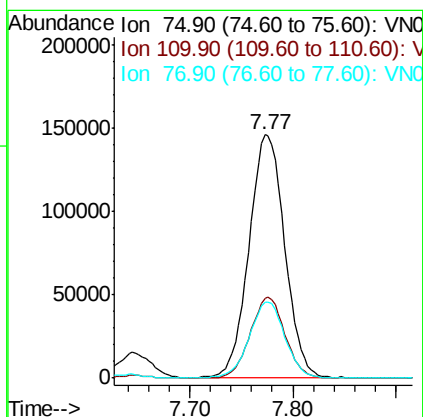
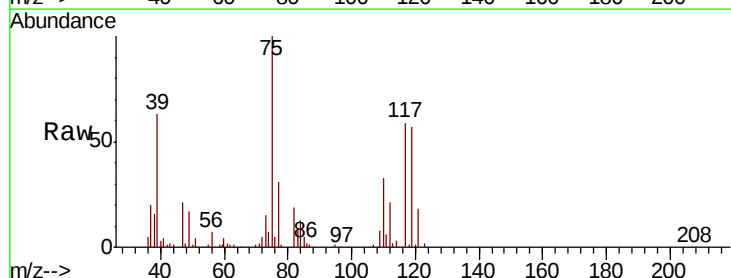
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

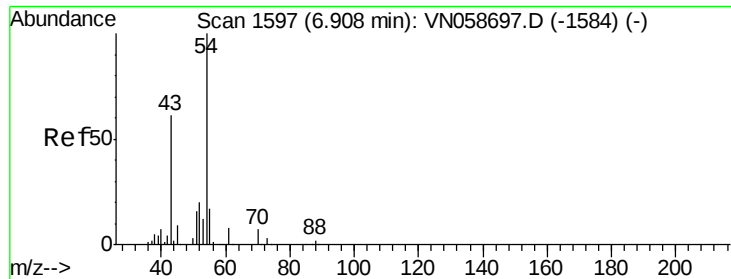
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.3	123.5
192	18.9	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 50.689 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN058792.D
 Acq: 16 Oct 2019 10:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.4	16.6	49.8
77	31.6	24.6	37.0

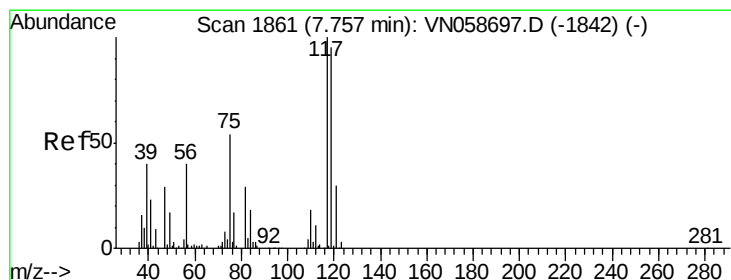
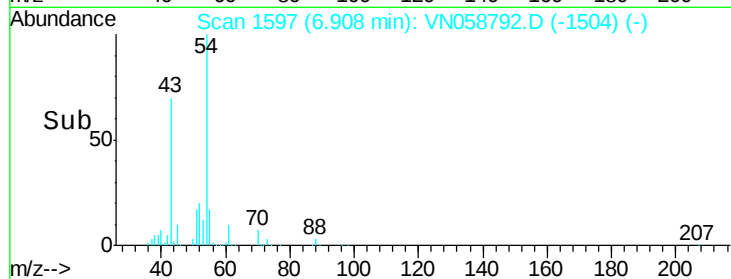
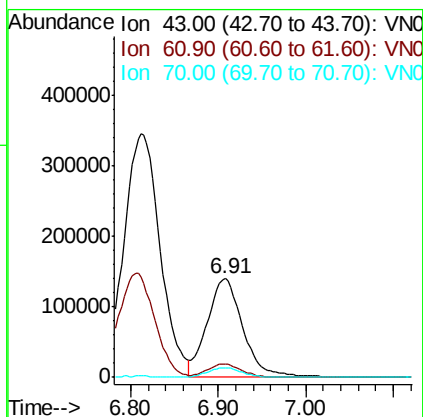
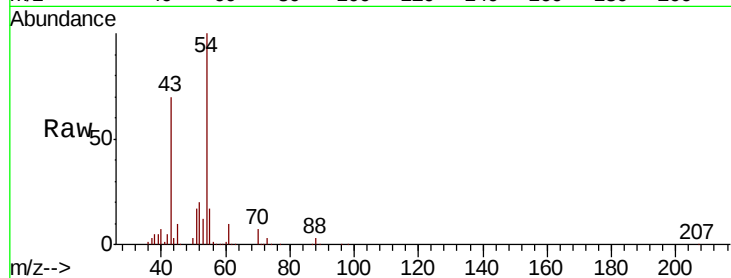




#37
Ethyl Acetate
Concen: 56.161 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

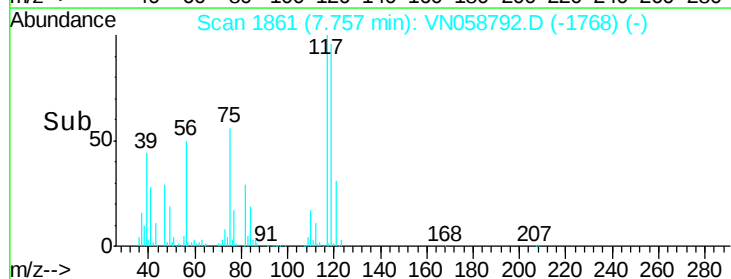
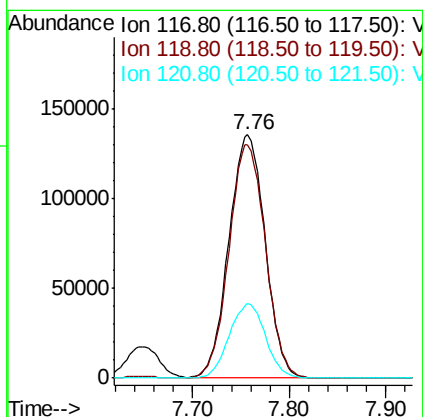
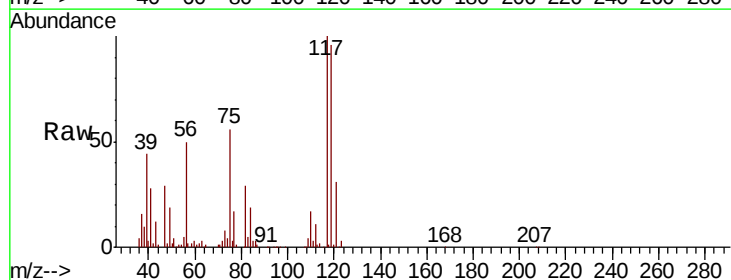
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 391974
Ion Ratio Lower Upper
43 100
61 13.0 11.3 16.9
70 9.7 7.2 10.8



#38
Carbon Tetrachloride
Concen: 52.548 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Tgt Ion: 117 Resp: 353439
Ion Ratio Lower Upper
117 100
119 96.0 75.7 113.5
121 30.5 23.9 35.9

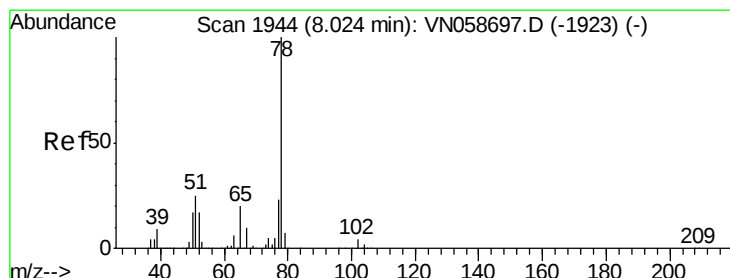
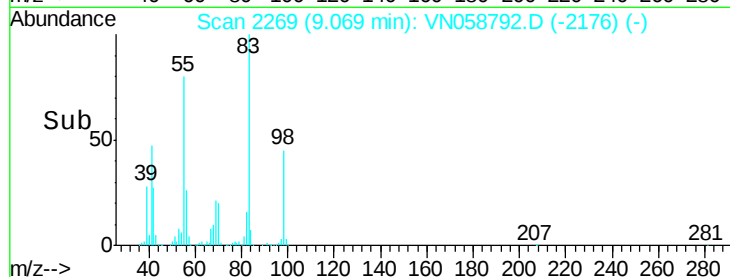
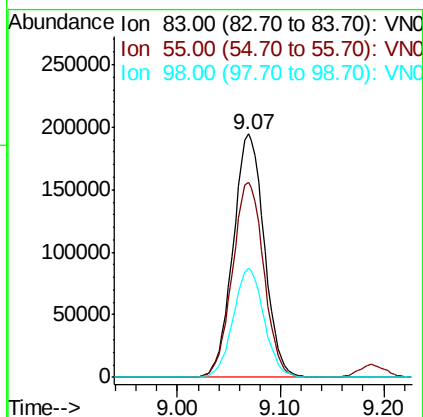
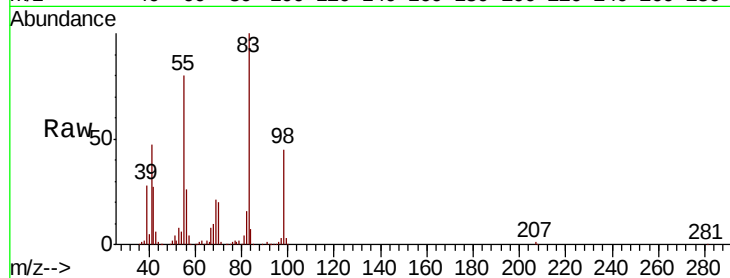




#39
Methvlcvclohexane
Concen: 50.984 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

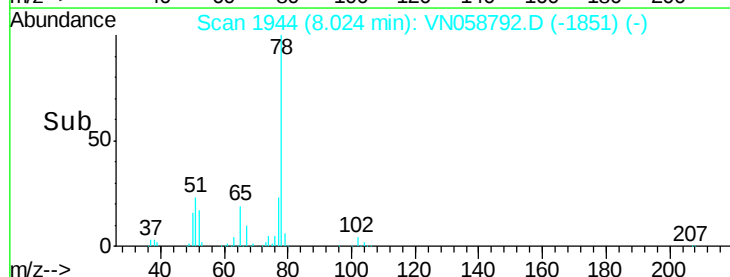
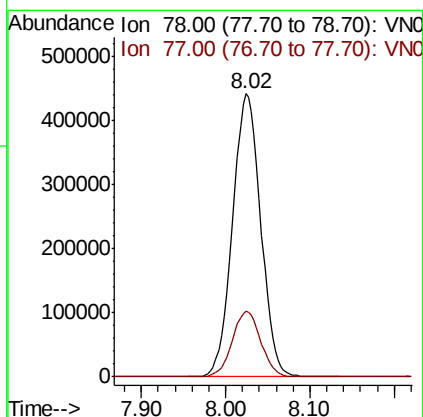
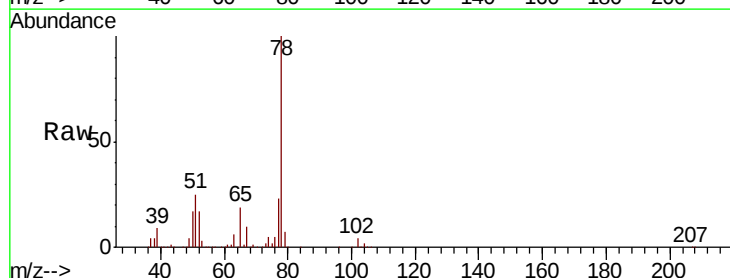
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 408284
Ion Ratio Lower Upper
83 100
55 80.3 63.4 95.0
98 44.9 35.1 52.7



#40
Benzene
Concen: 51.812 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Tgt Ion: 78 Resp: 1026920
Ion Ratio Lower Upper
78 100
77 23.1 18.8 28.2

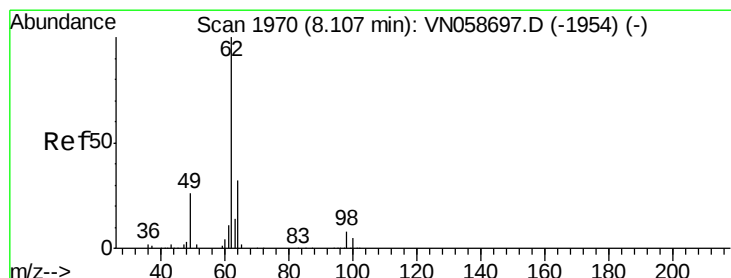
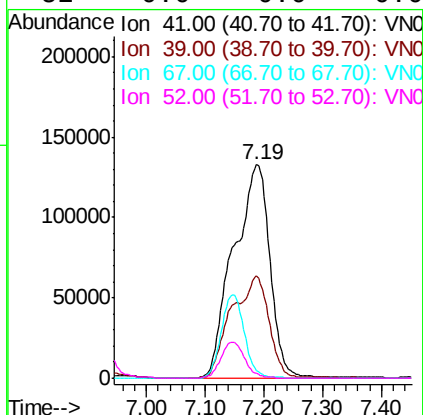
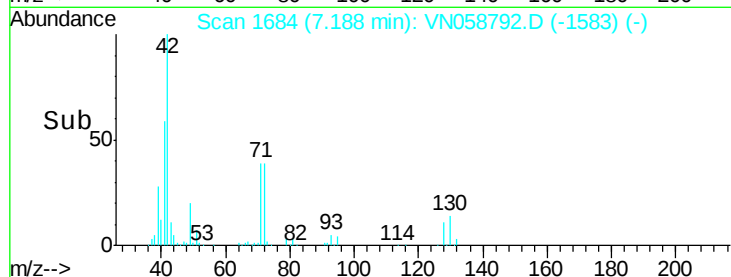
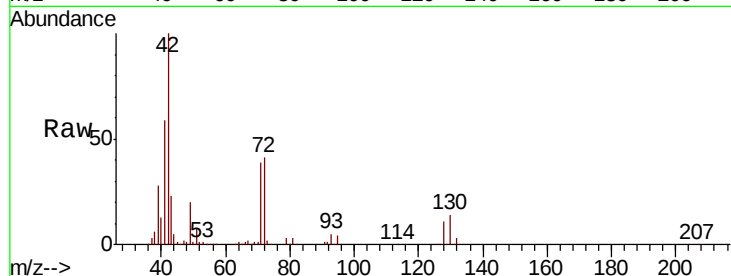




#41
Methacrylonitrile
Concen: 175.017 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

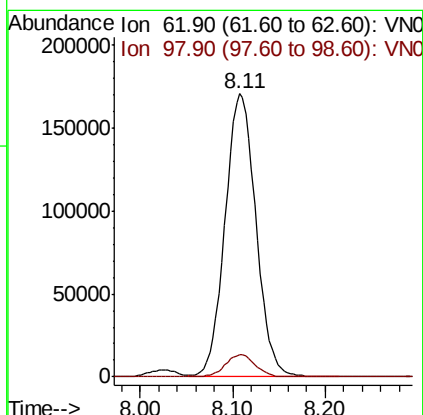
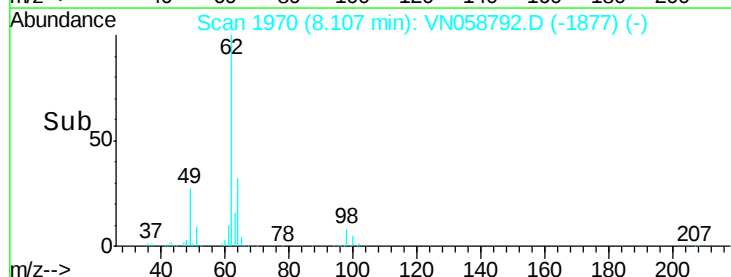
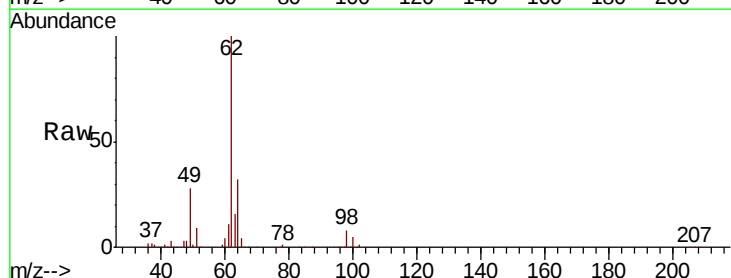
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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: 51.713 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.8





#43

Isopropyl Acetate

Concen: 53.119 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

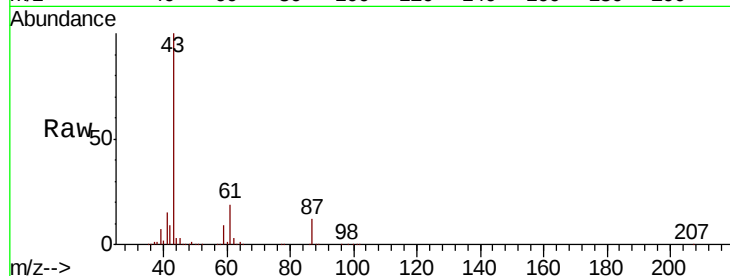
Tot Ion: 43 Resp: 631575

Ion Ratio Lower Upper

43 100

61 24.9 20.3 30.5

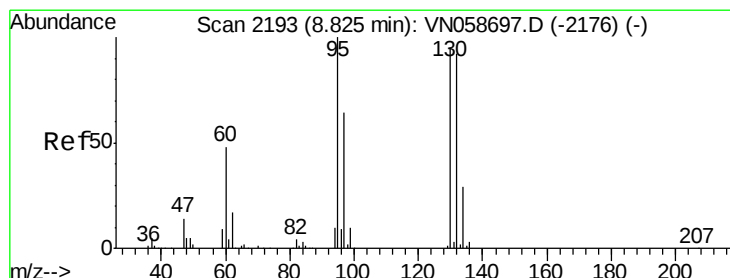
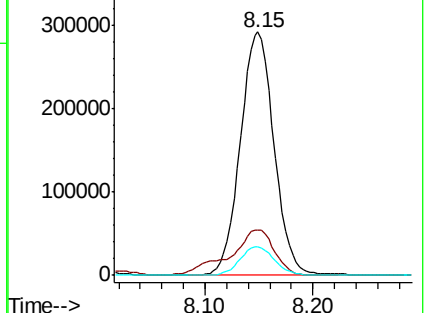
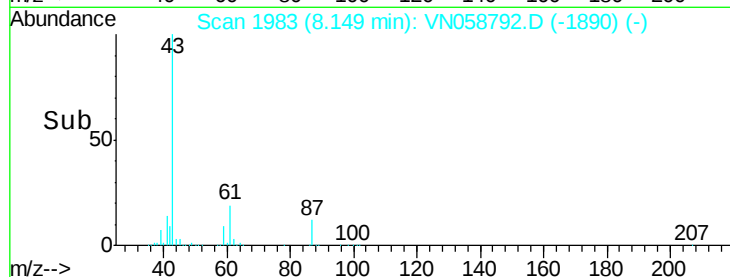
87 12.1 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN058792.D (-2100) (-)

Ion 61.00 (60.70 to 61.70): VN058792.D (-2100) (-)

Ion 87.00 (86.70 to 87.70): VN058792.D (-2100) (-)



#44

Trichloroethene

Concen: 50.202 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058792.D

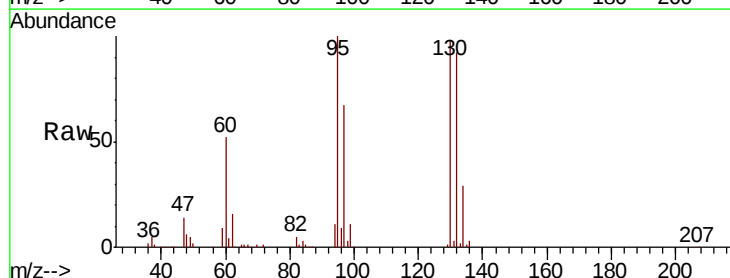
Acq: 16 Oct 2019 10:35

Tgt Ion:130 Resp: 247093

Ion Ratio Lower Upper

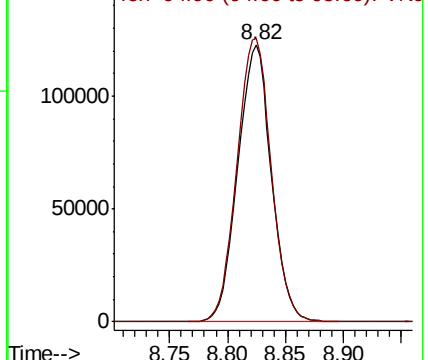
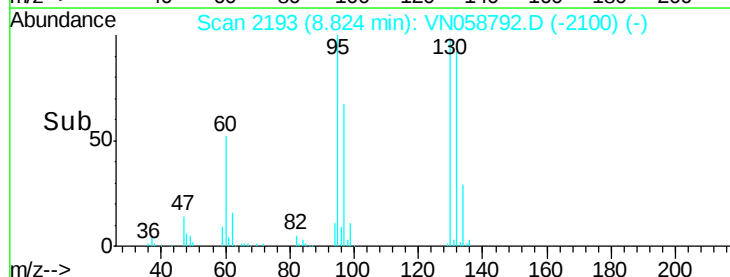
130 100

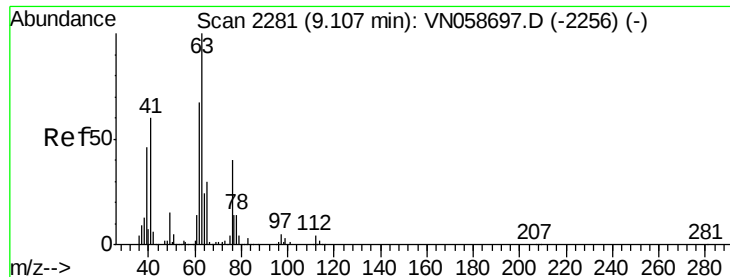
95 102.0 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): VN058792.D (-2100) (-)

Ion 94.90 (94.60 to 95.60): VN058792.D (-2100) (-)

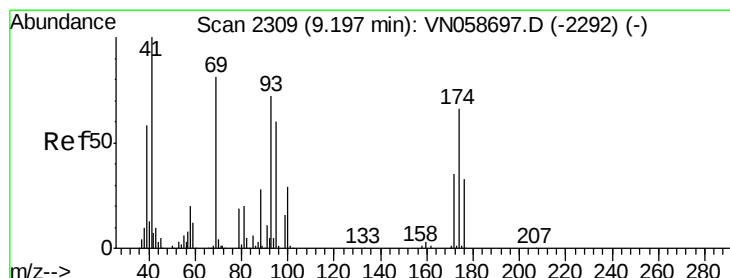
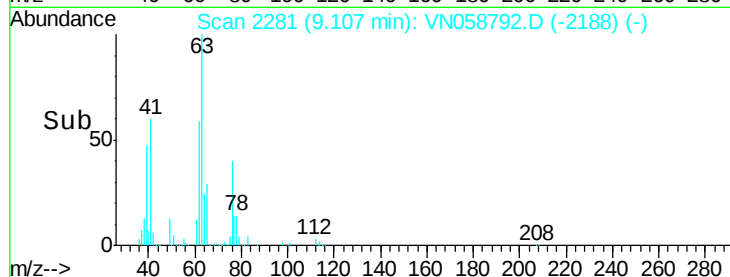
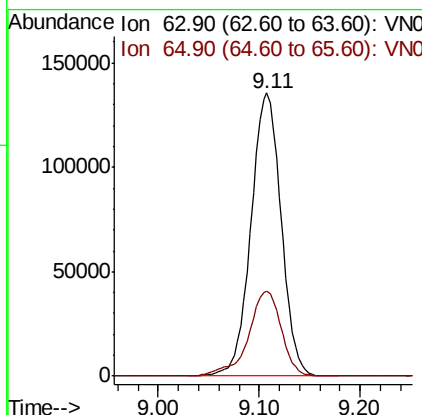
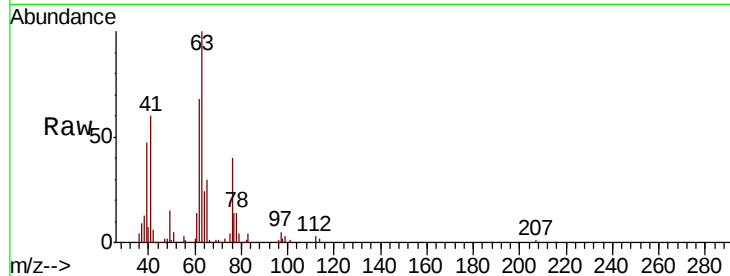




#45
 1,2-Dichloropropane
 Concen: 52.925 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058792.D
 Acq: 16 Oct 2019 10:35

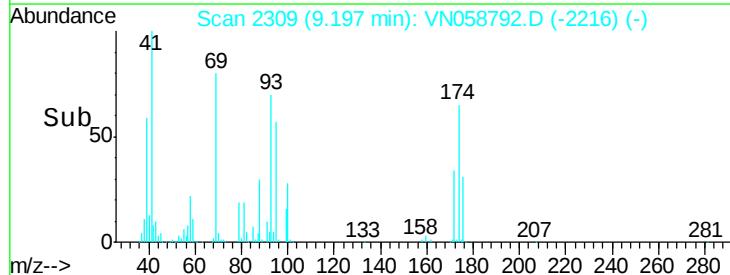
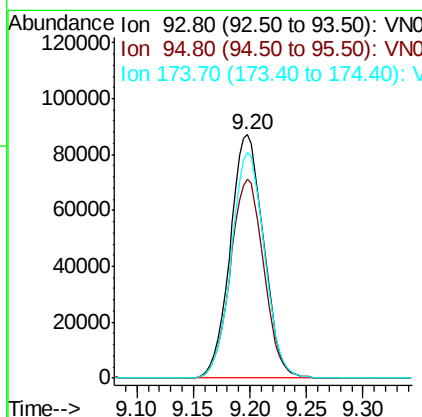
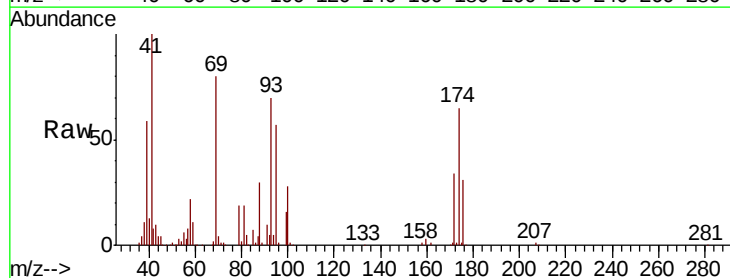
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

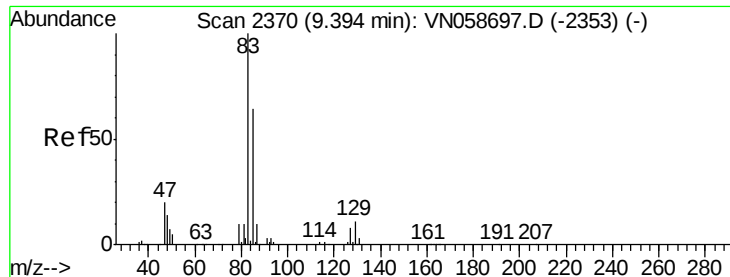
Tot Ion: 63 Resp: 280819
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.1 36.1



#46
 Dibromomethane
 Concen: 53.221 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058792.D
 Acq: 16 Oct 2019 10:35

Tgt Ion: 93 Resp: 179035
 Ion Ratio Lower Upper
 93 100
 95 82.4 66.6 100.0
 174 92.2 75.2 112.8





#47

Bromodichloromethane

Concen: 53.947 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

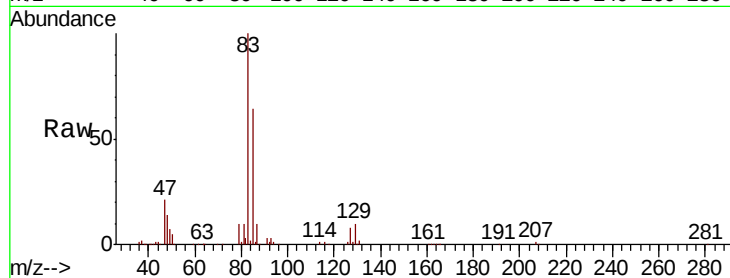
Tot Ion: 83 Resp: 369554

Ion Ratio Lower Upper

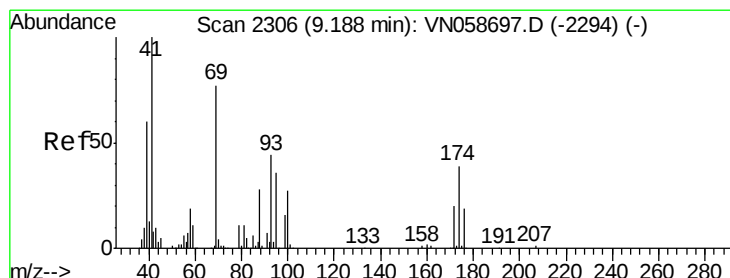
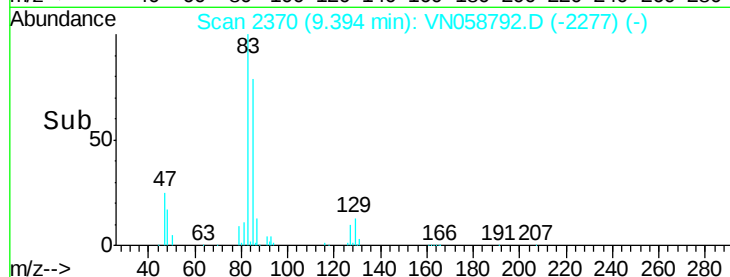
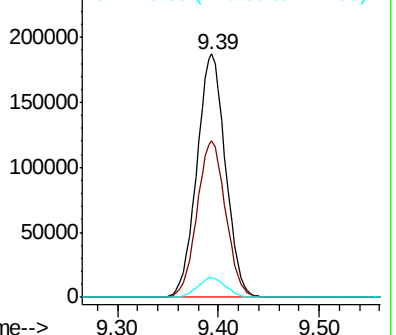
83 100

85 64.2 50.9 76.3

127 8.0 6.3 9.5



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



#48

Methyl methacrylate

Concen: 53.886 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

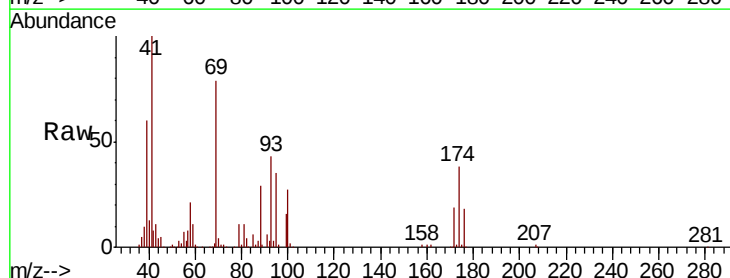
Tgt Ion: 41 Resp: 290420

Ion Ratio Lower Upper

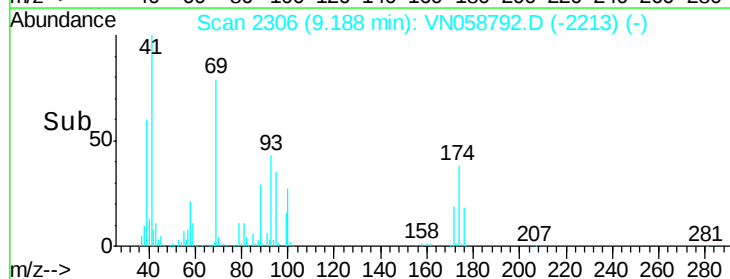
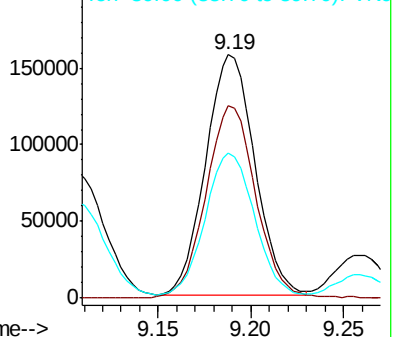
41 100

69 81.0 63.4 95.2

39 61.5 48.9 73.3



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

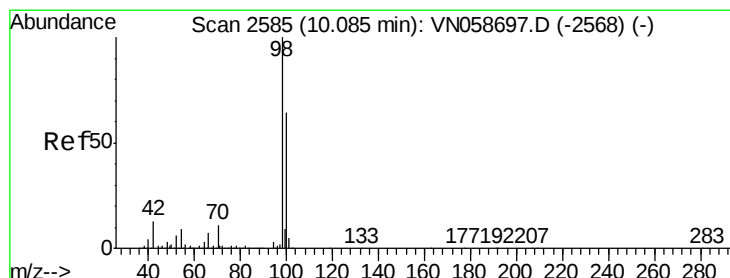
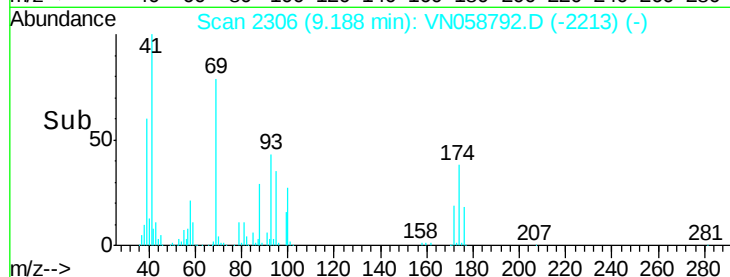
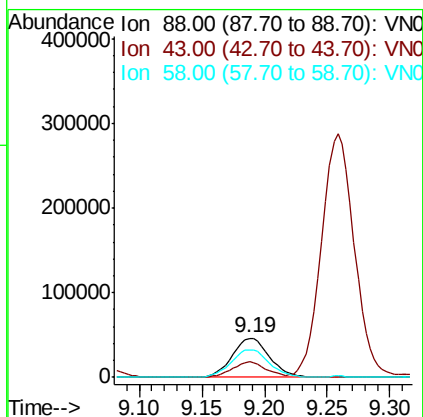
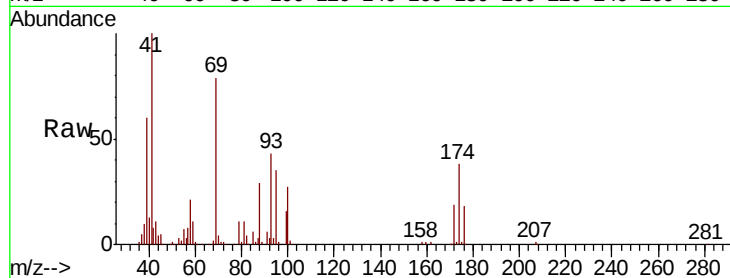




#49
 1,4-Dioxane
 Concen: 1145.349 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN058792.D
 Acq: 16 Oct 2019 10:35

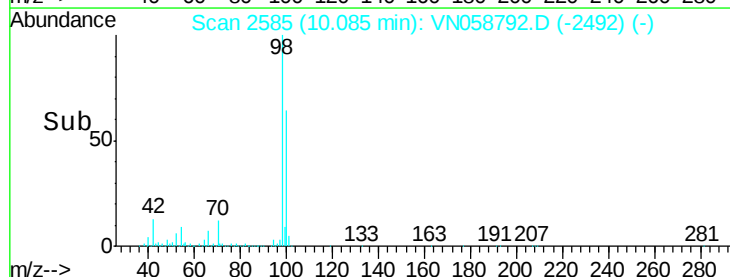
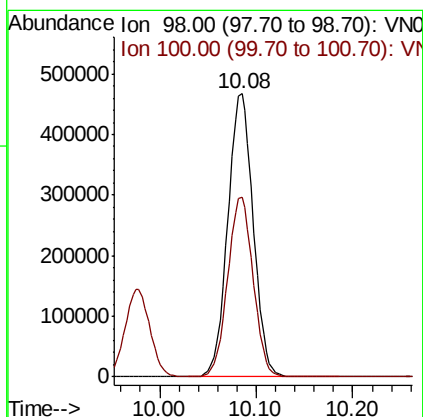
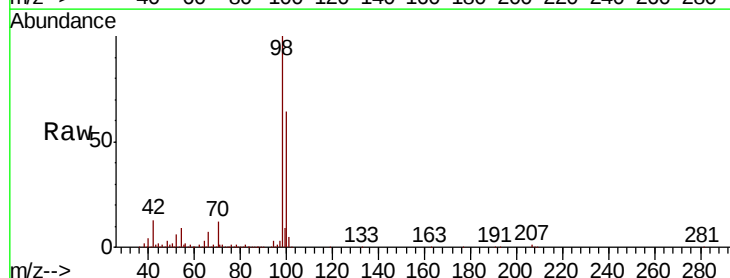
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

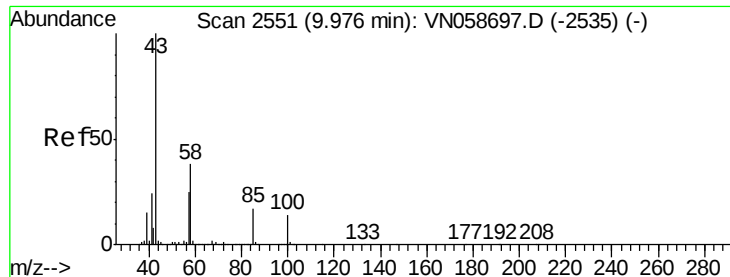
Tot Ion: 88 Resp: 95498
 Ion Ratio Lower Upper
 88 100
 43 34.9 28.6 43.0
 58 72.3 57.2 85.8



#50
 Toluene-d8
 Concen: 50.511 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058792.D
 Acq: 16 Oct 2019 10:35

Tgt Ion: 98 Resp: 851595
 Ion Ratio Lower Upper
 98 100
 100 63.6 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 295.223 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

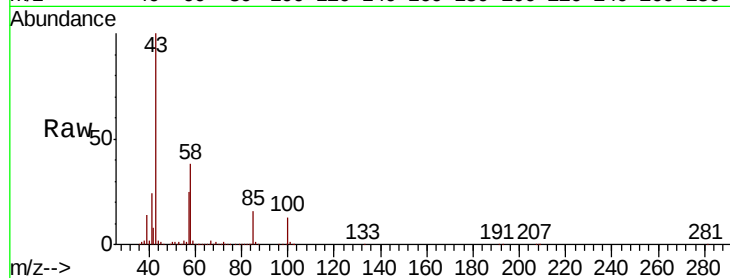
VSTDCCC050

Tot Ion: 43 Resp: 1971342

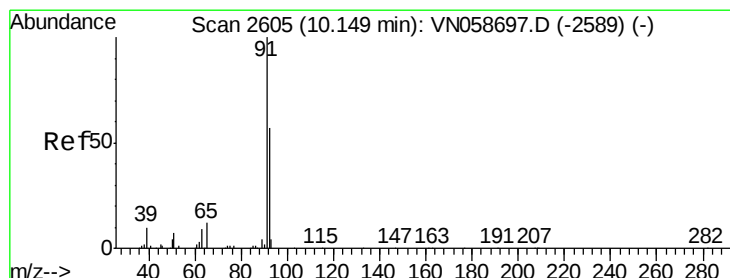
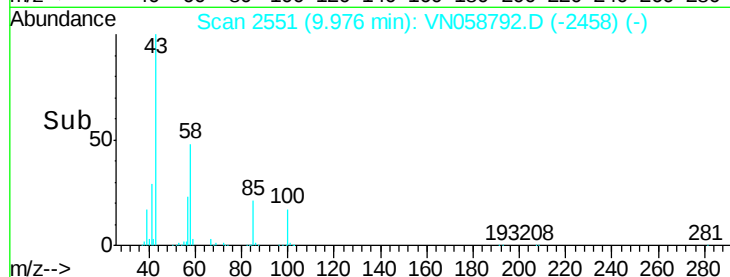
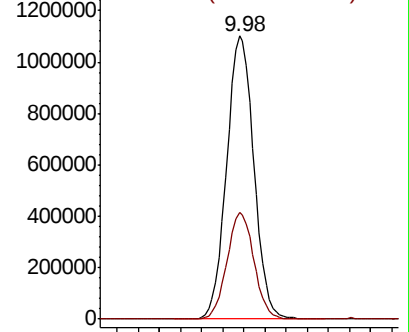
Ion Ratio Lower Upper

43 100

58 37.4 30.3 45.5



Abundance Ion 43.00 (42.70 to 43.70): VN058792.D (-2535) (-)



#52

Toluene

Concen: 51.886 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058792.D

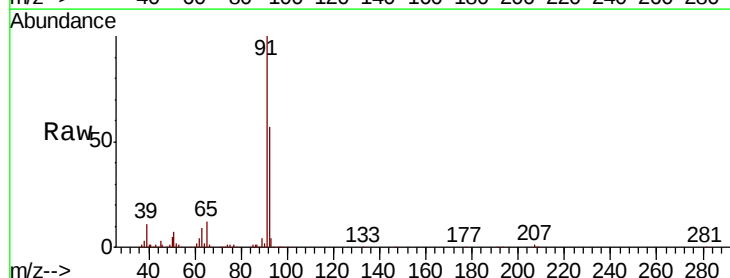
Acq: 16 Oct 2019 10:35

Tgt Ion: 92 Resp: 628989

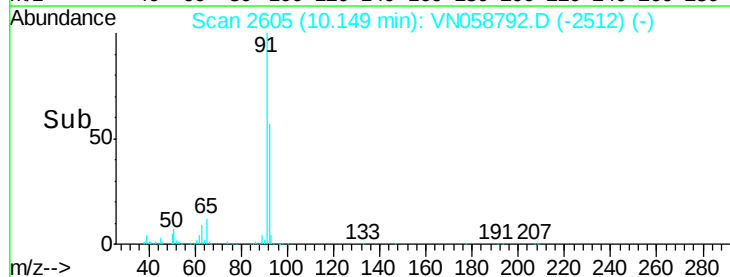
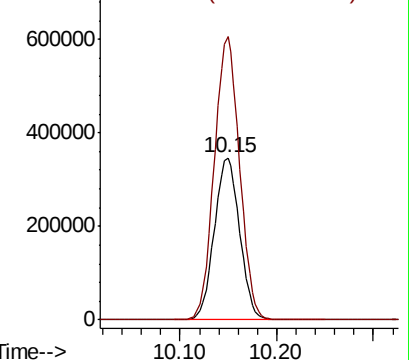
Ion Ratio Lower Upper

92 100

91 174.8 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN058792.D (-2589) (-)





#53

t-1,3-Dichloropropene

Concen: 53.812 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

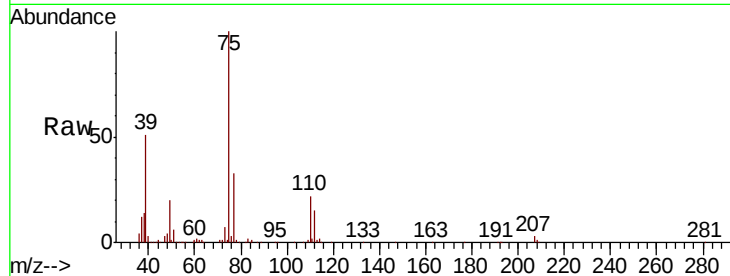
VSTDCCC050

Tot Ion: 75 Resp: 422791

Ion Ratio Lower Upper

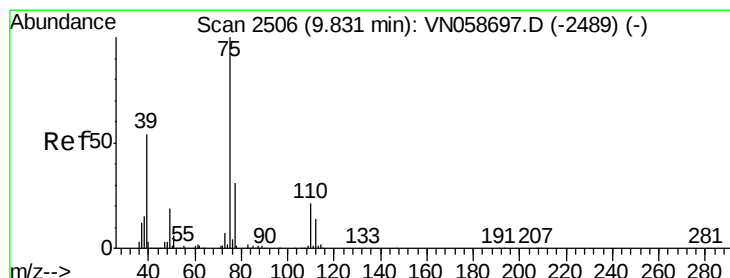
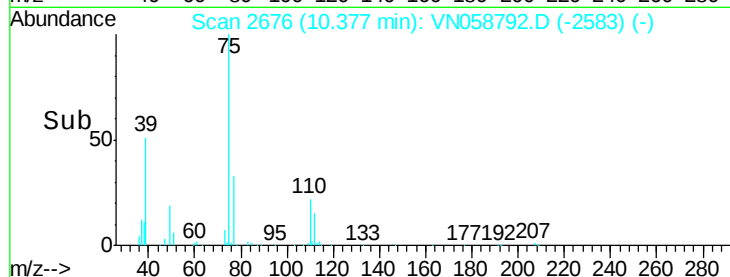
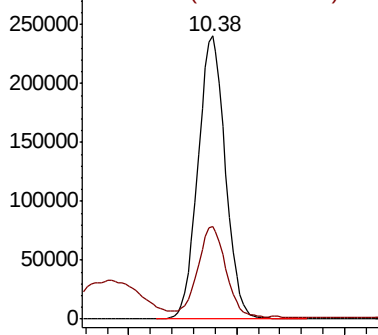
75 100

77 32.0 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: 54.308 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

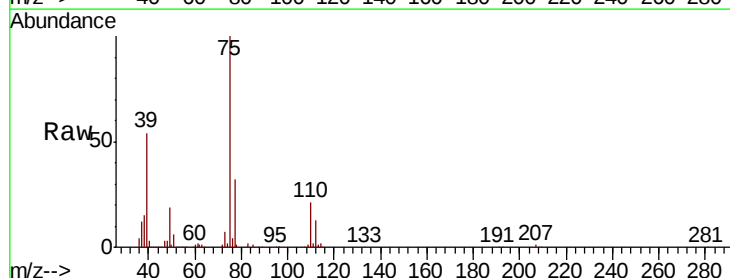
Tgt Ion: 75 Resp: 453039

Ion Ratio Lower Upper

75 100

77 31.8 24.4 36.6

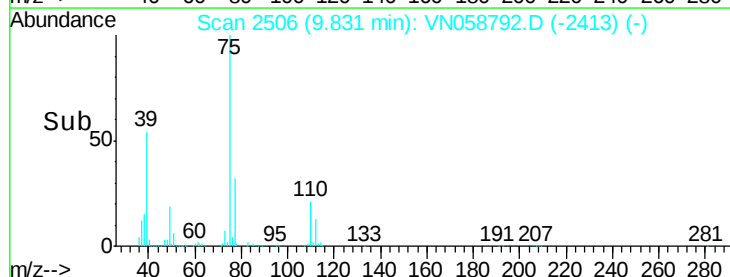
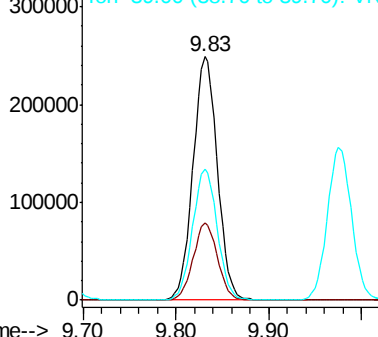
39 53.8 43.1 64.7

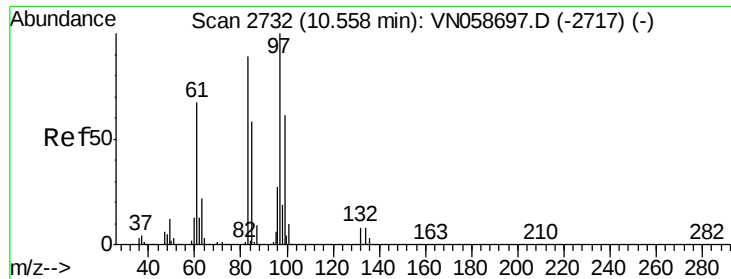


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

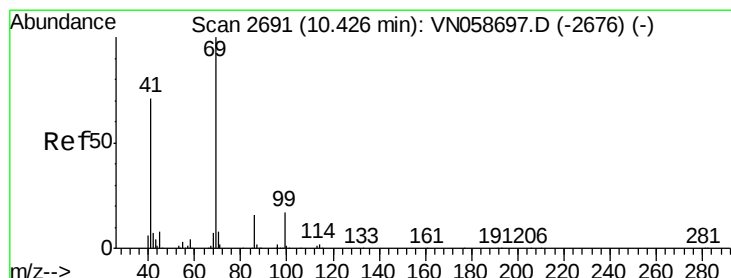
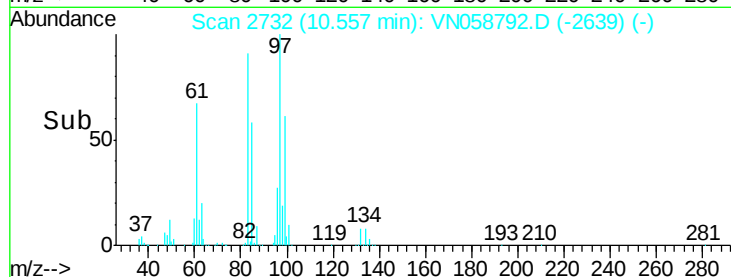
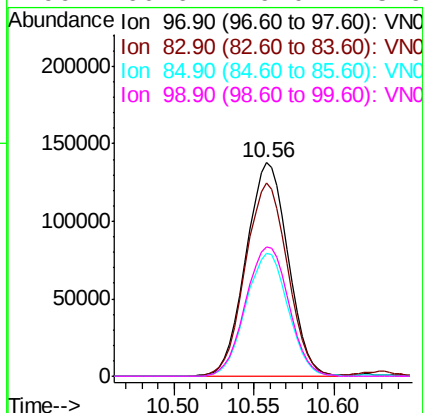
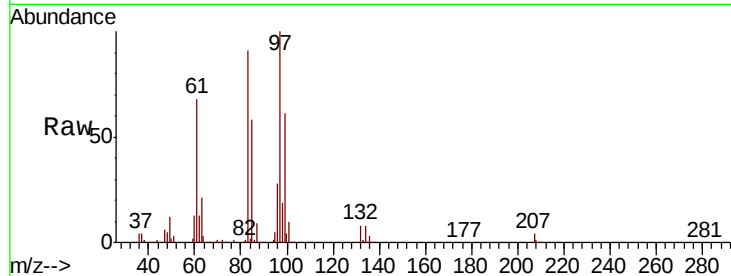




#55
 1,1,2-Trichloroethane
 Concen: 50.106 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN058792.D
 Acq: 16 Oct 2019 10:35

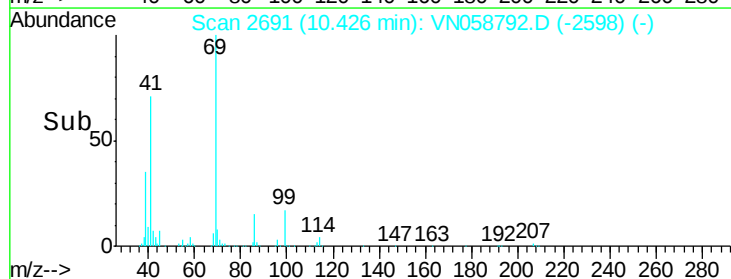
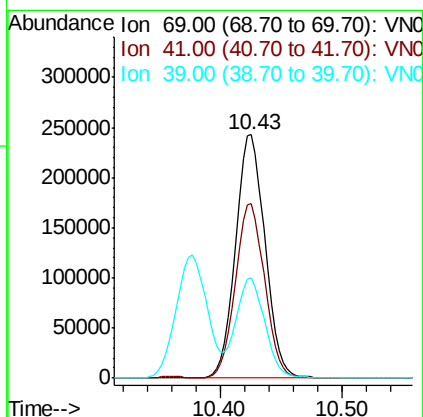
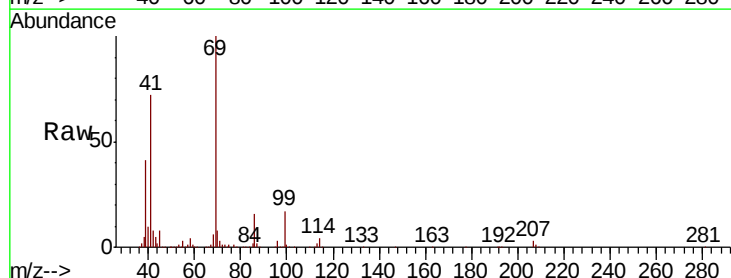
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

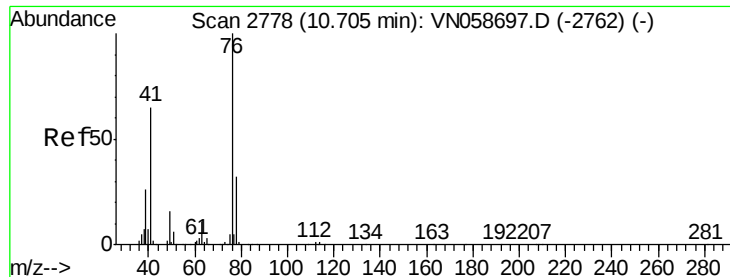
Tot Ion: 97 Resp: 248611
 Ion Ratio Lower Upper
 97 100
 83 90.5 71.2 106.8
 85 57.7 46.7 70.1
 99 60.6 49.0 73.6



#56
 Ethyl methacrylate
 Concen: 56.063 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN058792.D
 Acq: 16 Oct 2019 10:35

Tgt Ion: 69 Resp: 406376
 Ion Ratio Lower Upper
 69 100
 41 70.7 56.8 85.2
 39 39.5 32.5 48.7





#57

1,3-Dichloropropane

Concen: 52.164 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

ClientSampled :

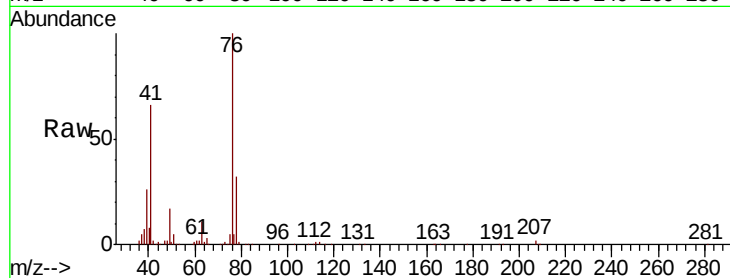
VSTDCCC050

Tot Ion: 76 Resp: 441046

Ion Ratio Lower Upper

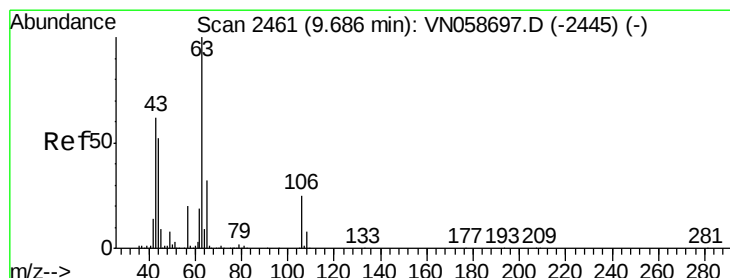
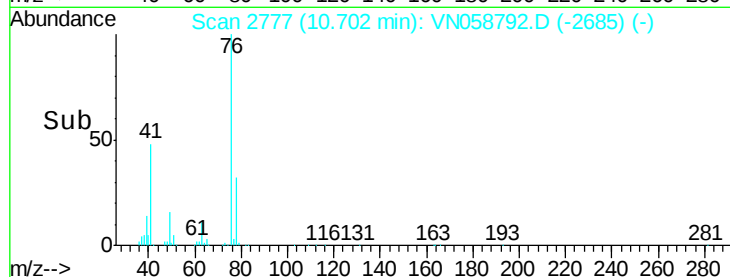
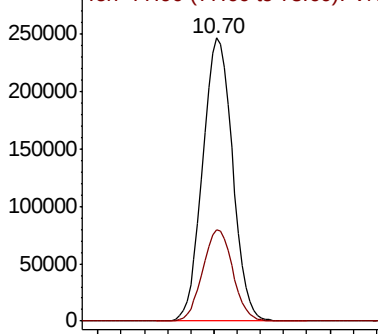
76 100

78 32.6 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 272.314 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VN058792.D

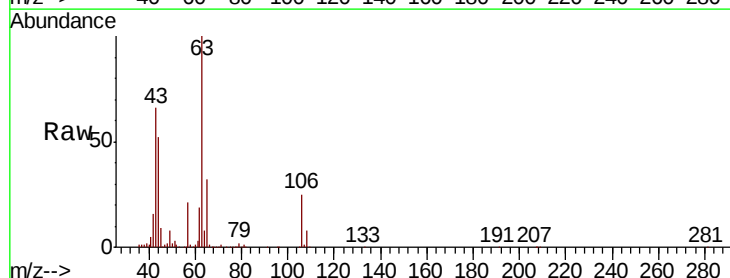
Acq: 16 Oct 2019 10:35

Tgt Ion: 63 Resp: 951263

Ion Ratio Lower Upper

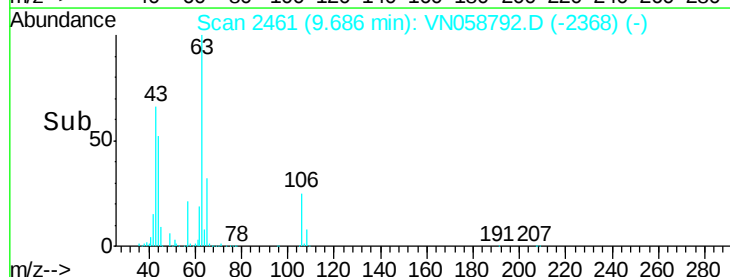
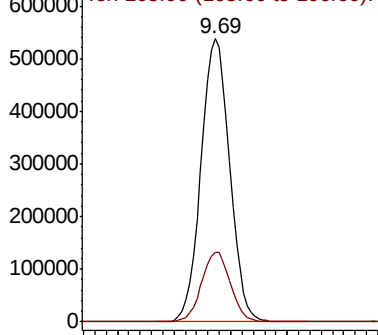
63 100

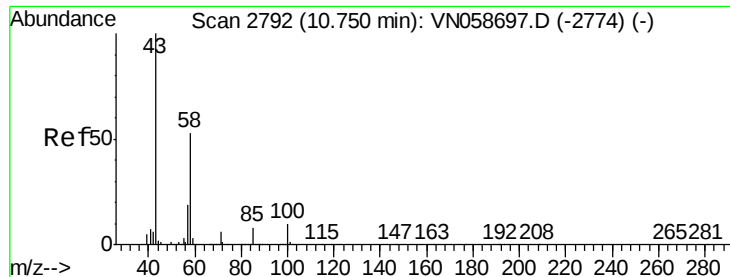
106 24.7 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

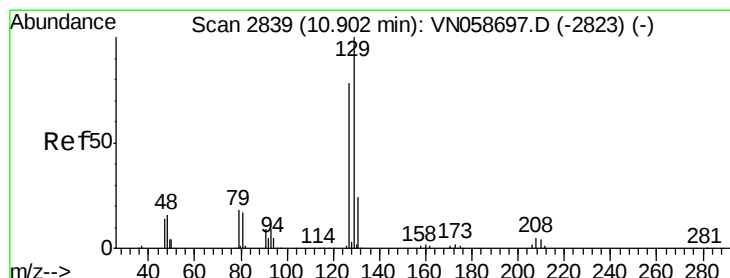
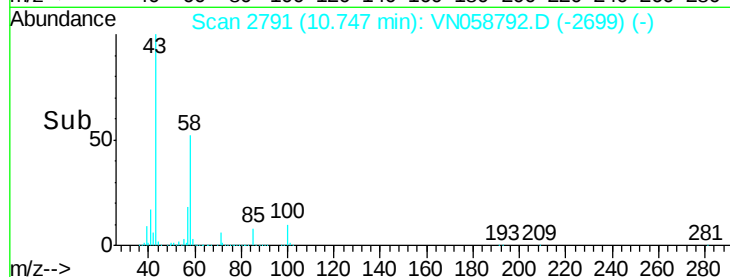
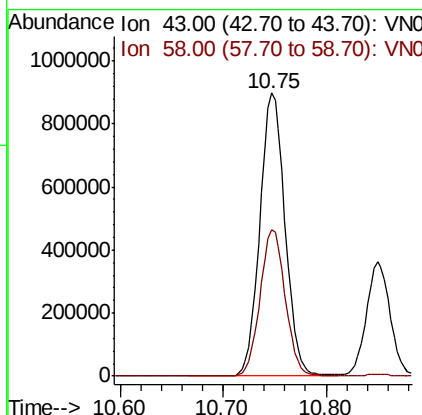
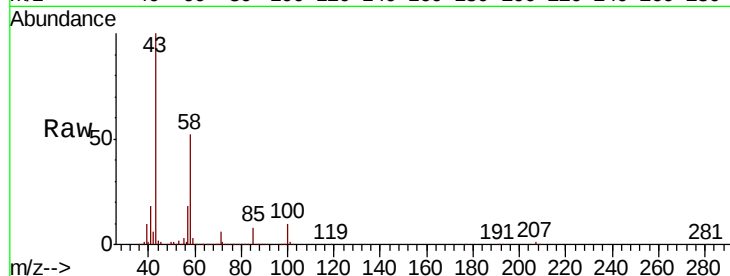




#59
2-Hexanone
Concen: 293.039 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

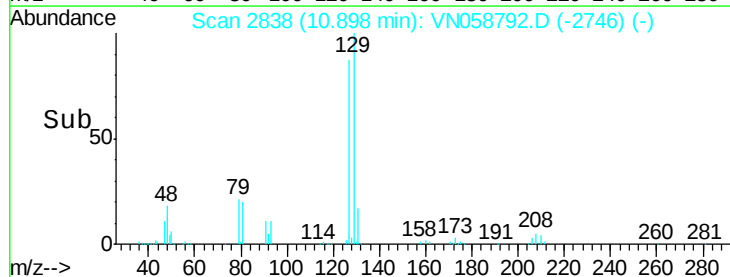
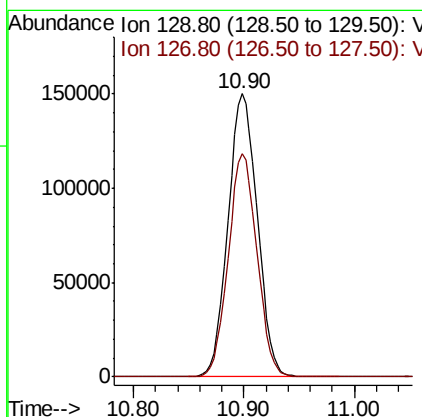
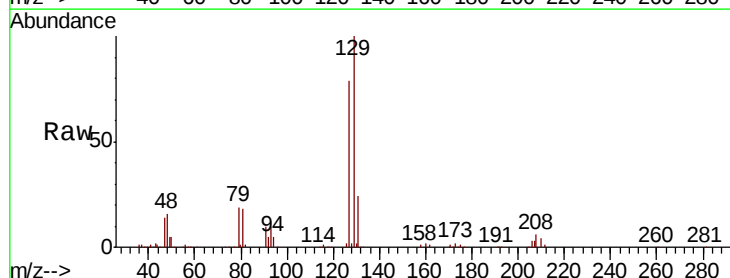
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1512191
Ion Ratio Lower Upper
43 100
58 52.0 26.1 78.3



#60
Dibromochloromethane
Concen: 54.094 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Tgt Ion: 129 Resp: 276871
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.3

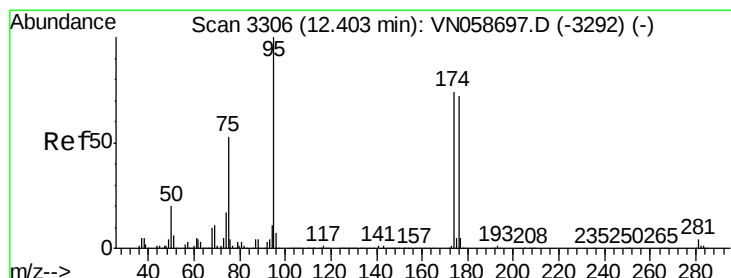
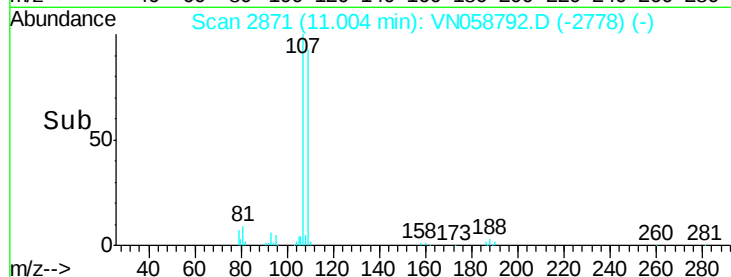
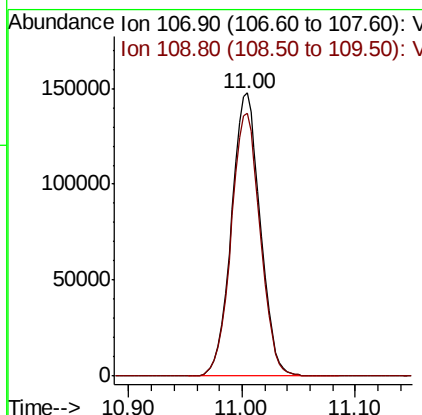
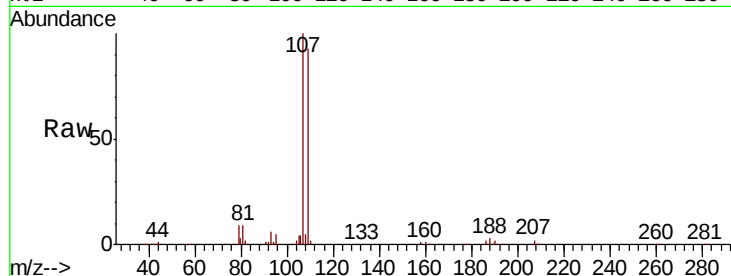




#61
 1,2-Dibromoethane
 Concen: 52.571 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058792.D
 Acq: 16 Oct 2019 10:35

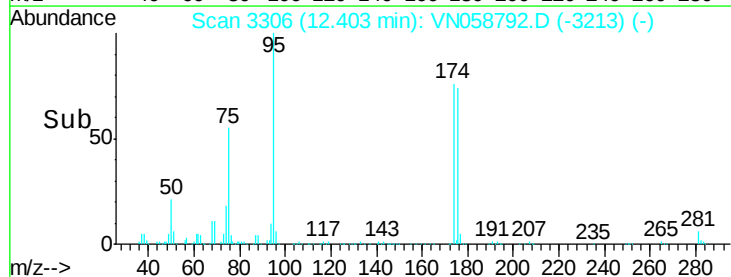
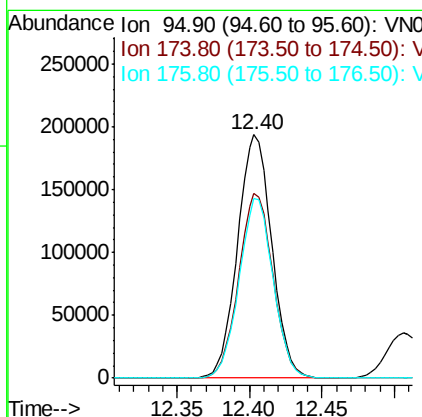
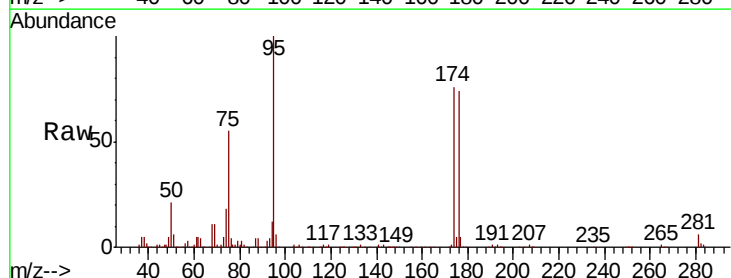
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

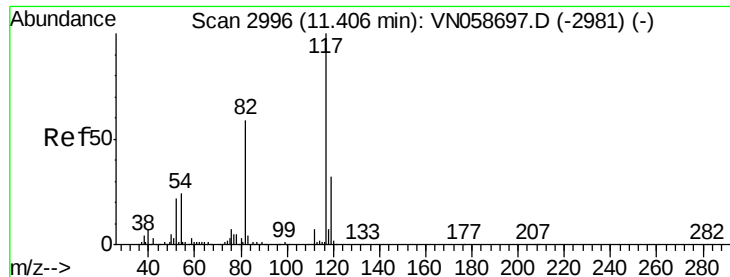
Tot Ion:107 Resp: 261320
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 49.793 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.00 min
 Lab File: VN058792.D
 Acq: 16 Oct 2019 10:35

Tgt Ion: 95 Resp: 317768
 Ion Ratio Lower Upper
 95 100
 174 76.3 0.0 150.4
 176 73.5 0.0 146.8

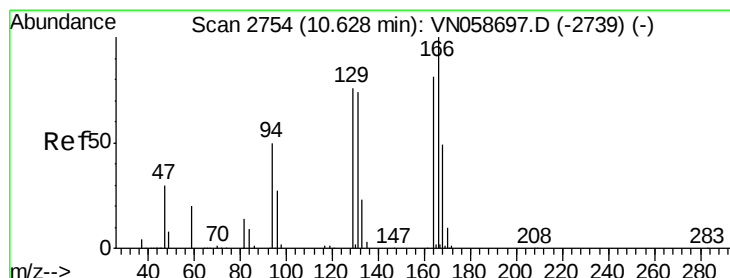
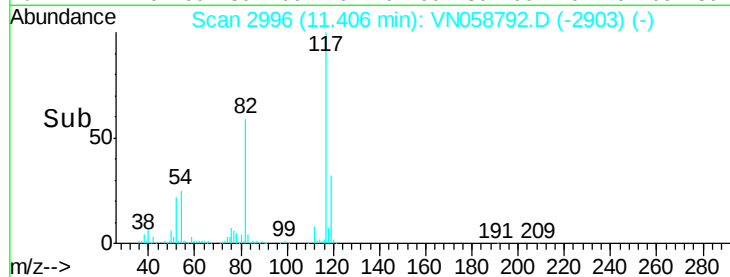
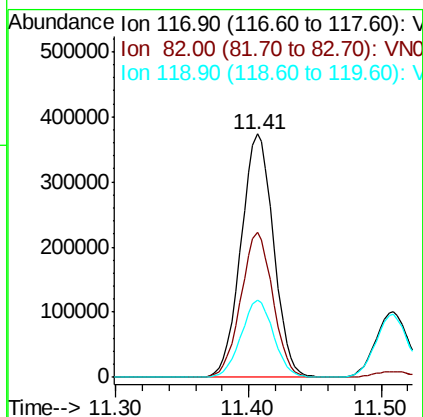
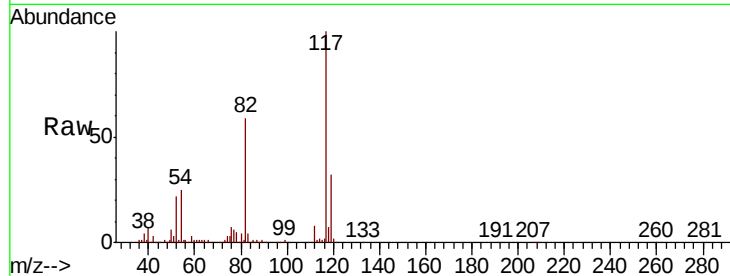




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

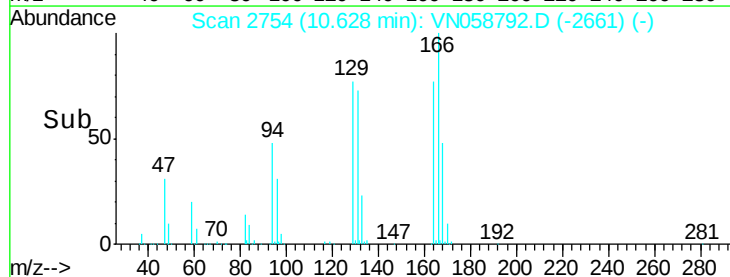
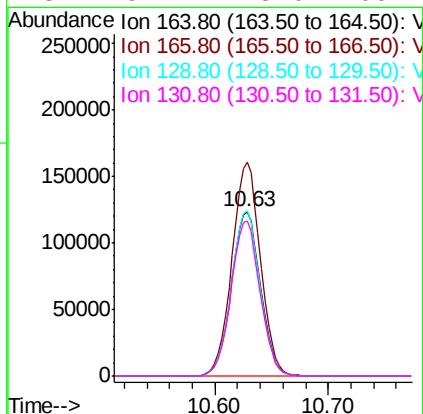
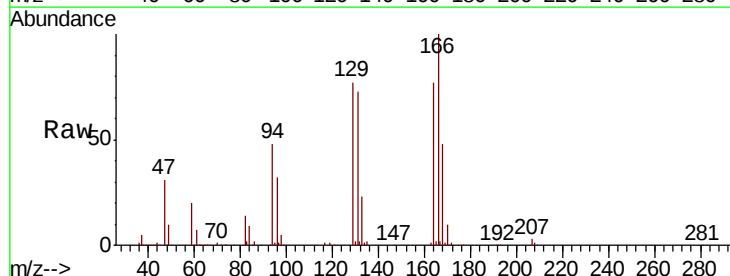
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 637305
Ion Ratio Lower Upper
117 100
82 59.4 47.0 70.4
119 32.0 25.4 38.2



#64
Tetrachloroethene
Concen: 49.339 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Tgt Ion:164 Resp: 220056
Ion Ratio Lower Upper
164 100
166 130.3 99.3 148.9
129 100.7 75.2 112.8
131 94.7 73.0 109.4





#65

Chlorobenzene

Concen: 51.648 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

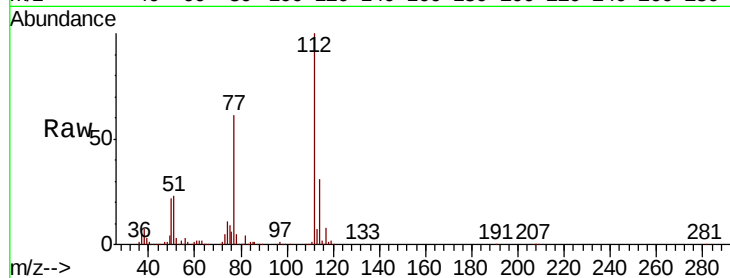
VSTDCCC050

Tot Ion:112 Resp: 668451

Ion Ratio Lower Upper

112 100

114 31.0 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

400000

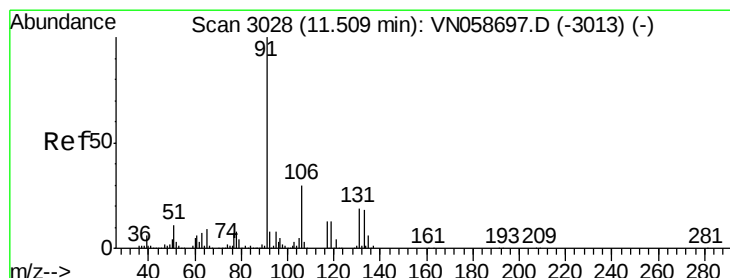
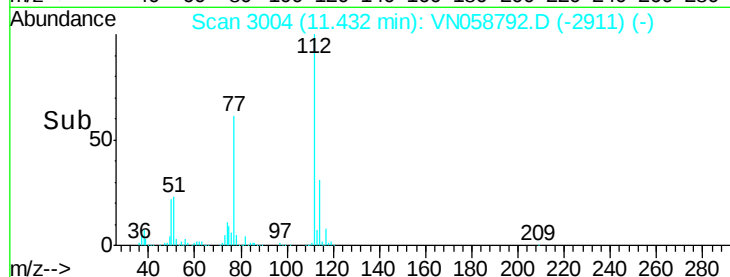
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 52.308 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

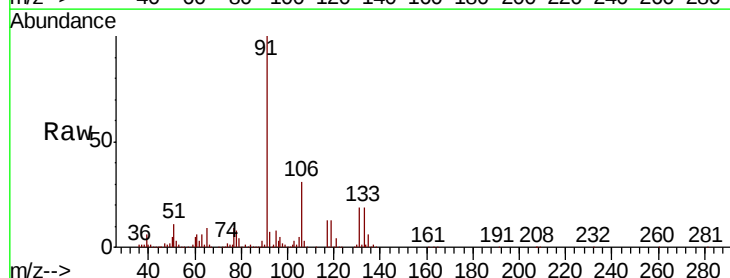
Tgt Ion:131 Resp: 250333

Ion Ratio Lower Upper

131 100

133 96.3 47.6 142.9

119 66.6 33.0 98.9



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

200000

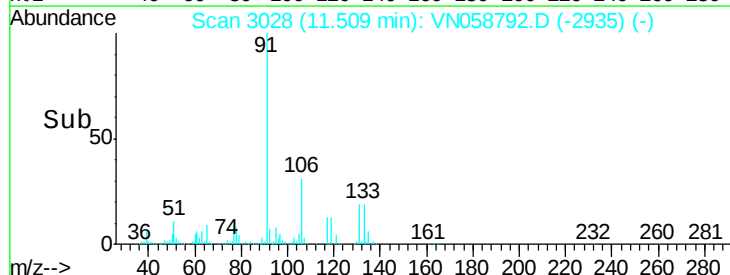
150000

100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 53.833 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

ClientSampled :

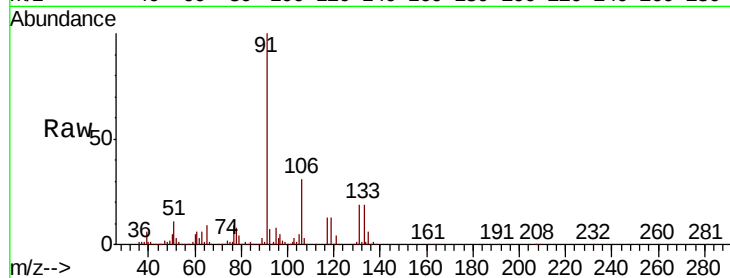
VSTDCCC050

Tot Ion: 91 Resp: 1241964

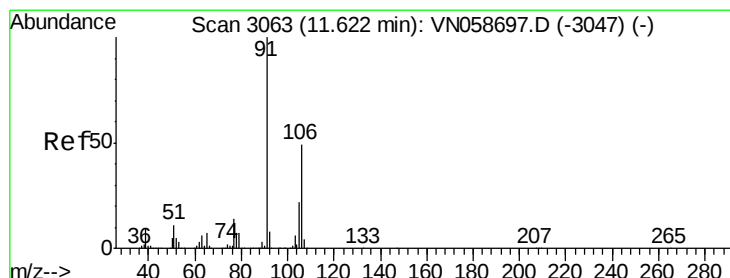
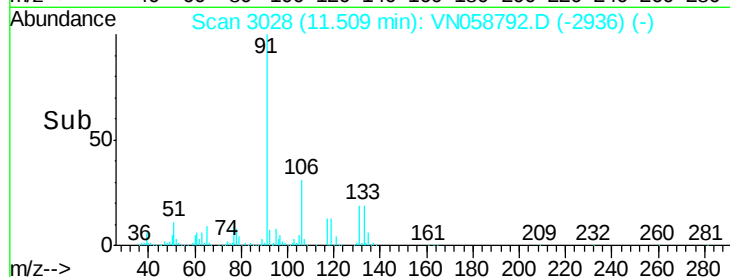
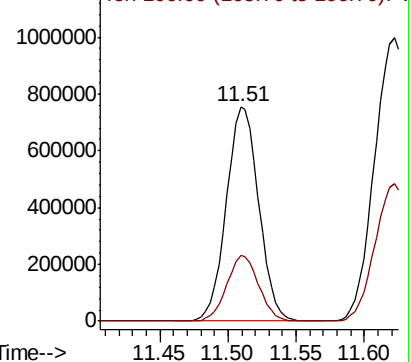
Ion Ratio Lower Upper

91 100

106 30.5 24.1 36.1



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



#68

m/p-Xylenes

Concen: 105.622 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN058792.D

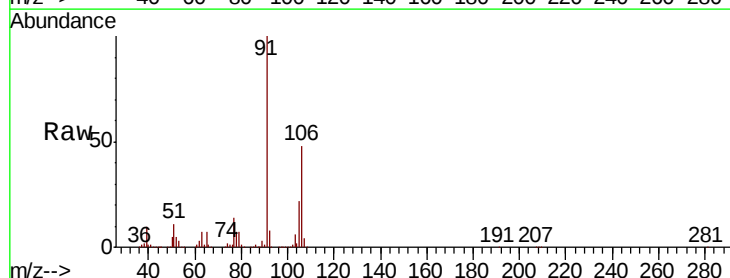
Acq: 16 Oct 2019 10:35

Tgt Ion: 106 Resp: 914457

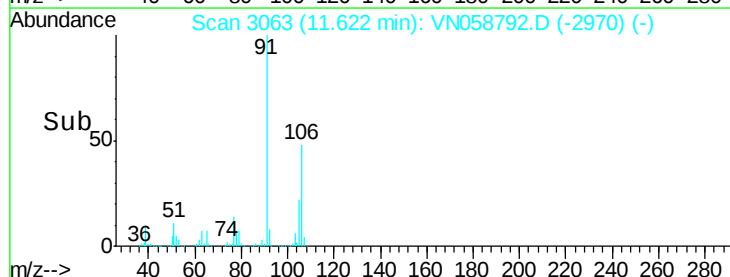
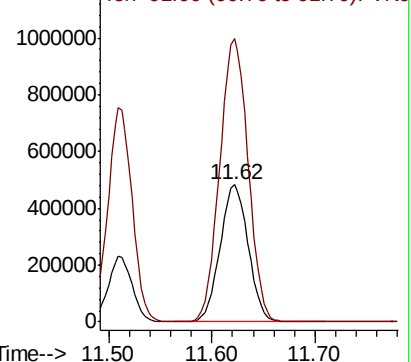
Ion Ratio Lower Upper

106 100

91 209.1 165.7 248.5



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

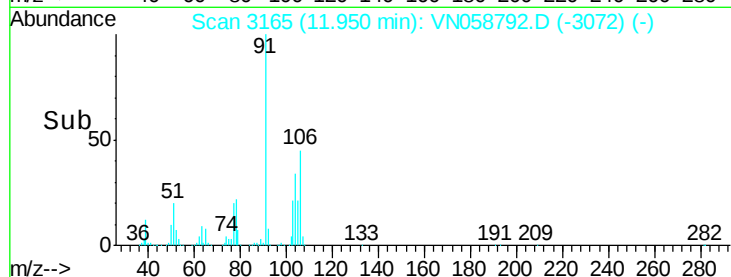
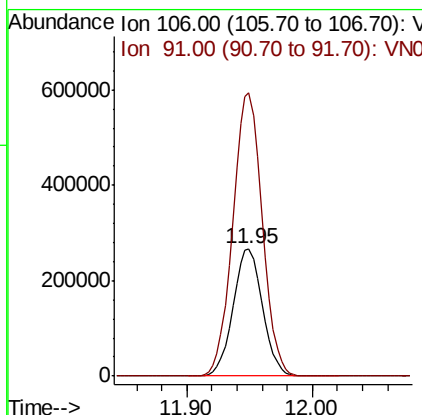
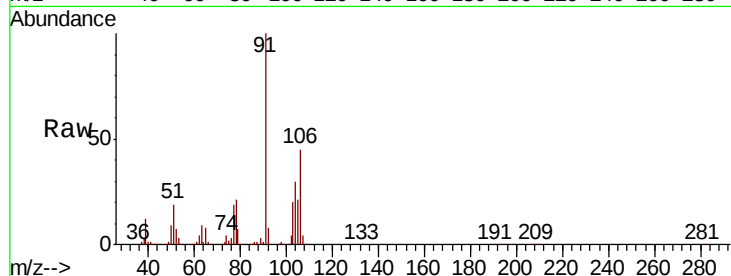




#69
o-Xylene
Concen: 51.961 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

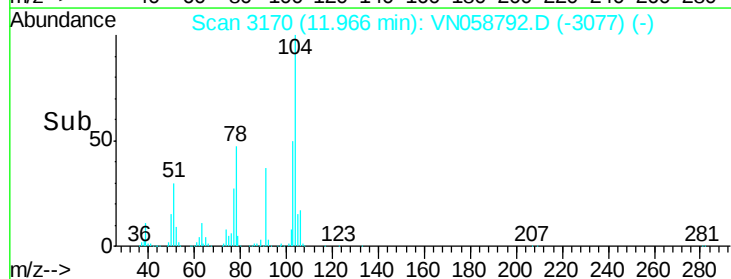
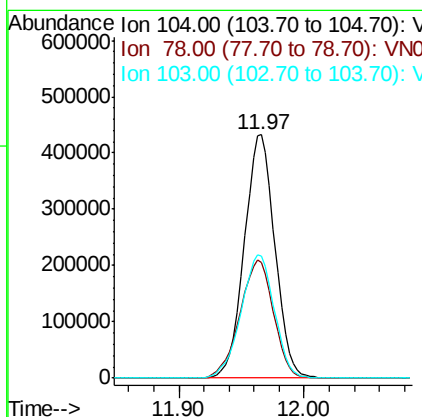
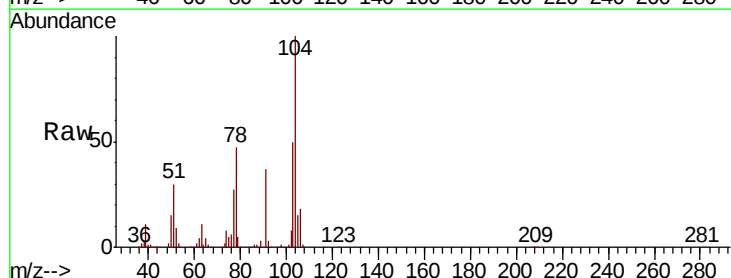
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

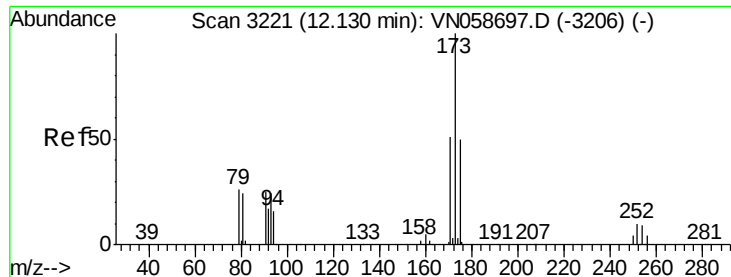
Tot Ion:106 Resp: 435257
Ion Ratio Lower Upper
106 100
91 222.5 110.9 332.9



#70
Styrene
Concen: 53.367 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Tgt Ion:104 Resp: 732687
Ion Ratio Lower Upper
104 100
78 53.4 42.2 63.2
103 55.3 43.7 65.5

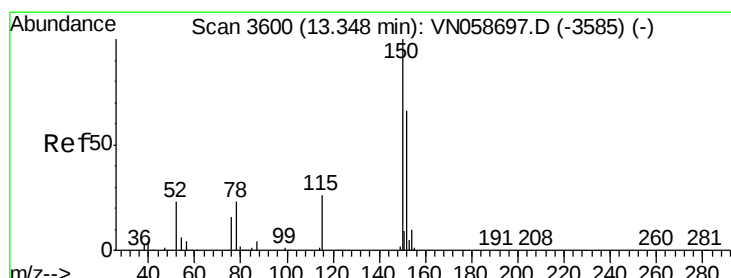
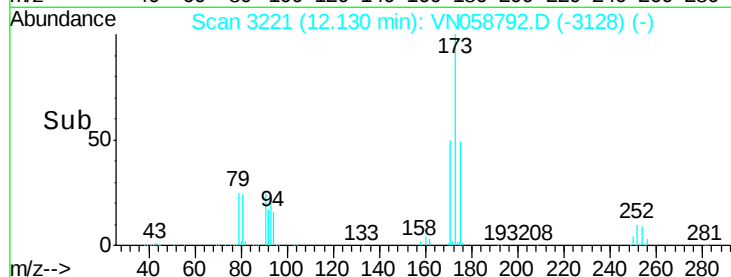
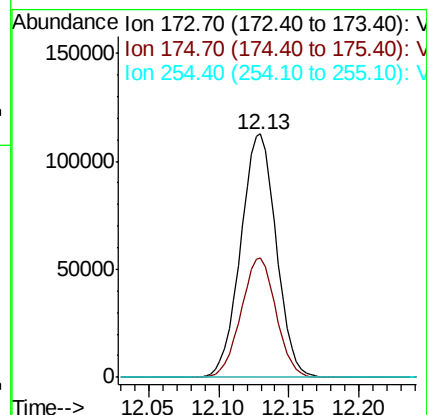
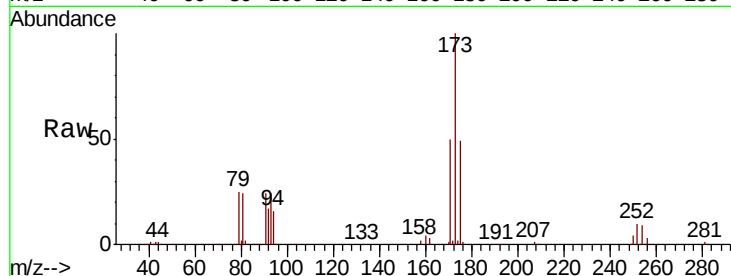




#71
Bromoform
Concen: 56.647 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

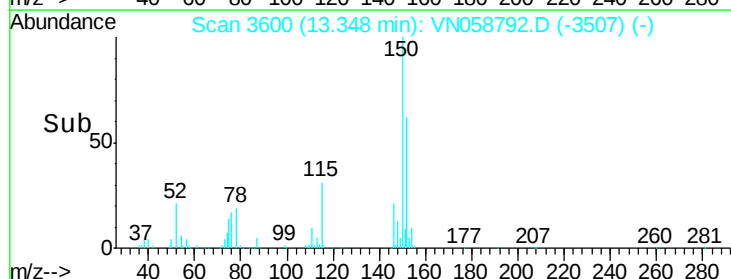
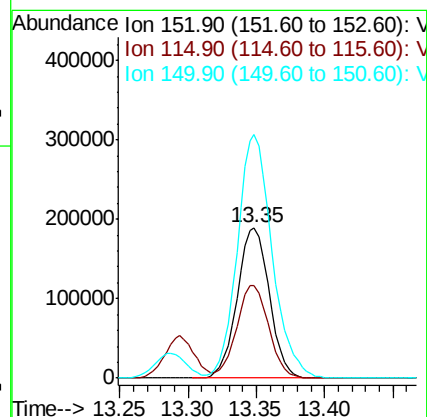
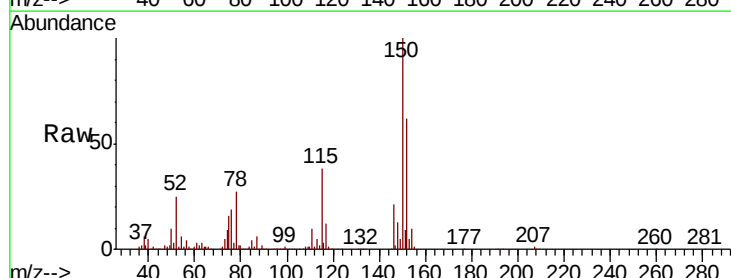
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

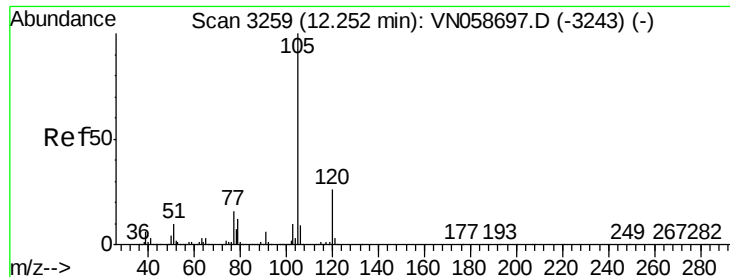
Tot Ion:173 Resp: 198712
Ion Ratio Lower Upper
173 100
175 48.3 24.6 73.8
254 0.1 0.1 0.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Tgt Ion:152 Resp: 308508
Ion Ratio Lower Upper
152 100
115 61.0 30.4 91.2
150 175.2 0.0 345.4





#73

Isopropylbenzene

Concen: 53.980 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

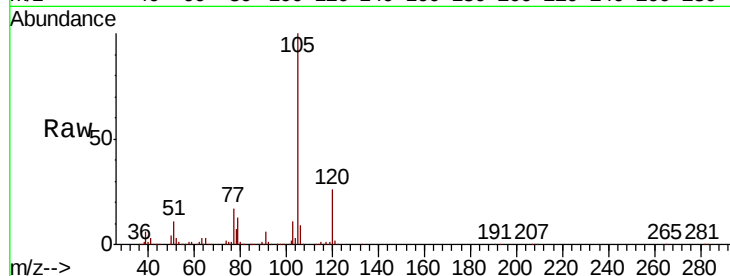
VSTDCCC050

Tot Ion:105 Resp: 1206072

Ion Ratio Lower Upper

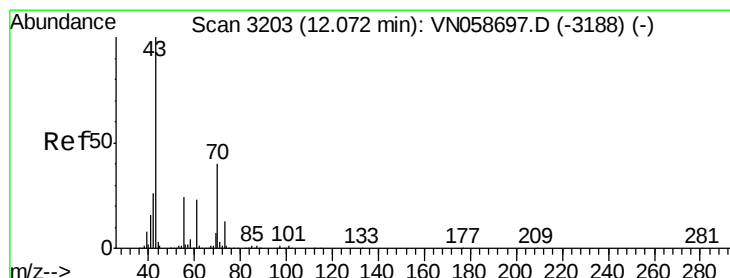
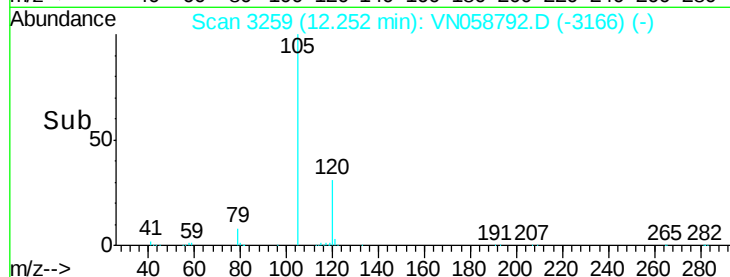
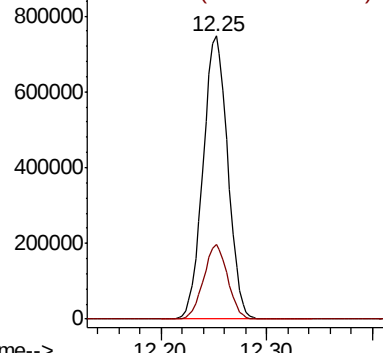
105 100

120 25.8 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 56.512 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Tgt Ion: 43 Resp: 567101

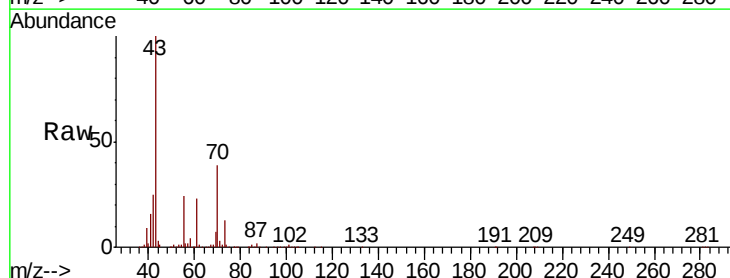
Ion Ratio Lower Upper

43 100

70 39.3 32.2 48.4

55 24.3 19.6 29.4

61 22.8 18.6 28.0

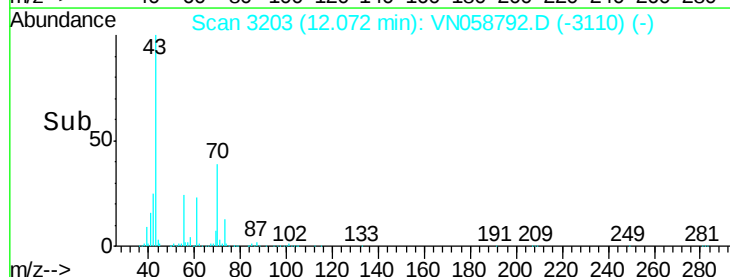
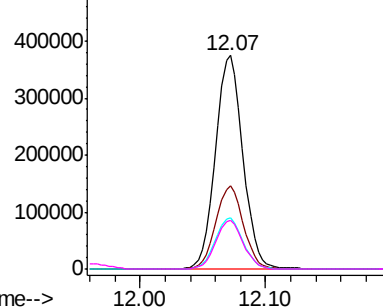


Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 52.723 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

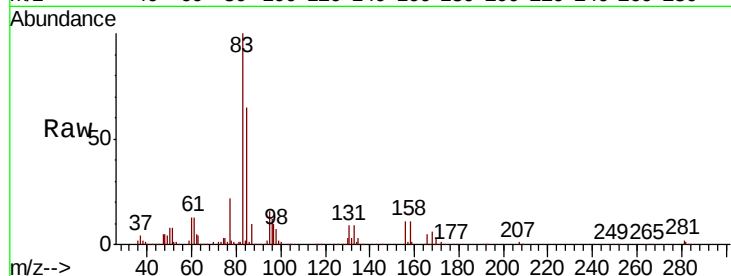
Tot Ion: 83 Resp: 388060

Ion Ratio Lower Upper

83 100

131 9.6 4.8 14.4

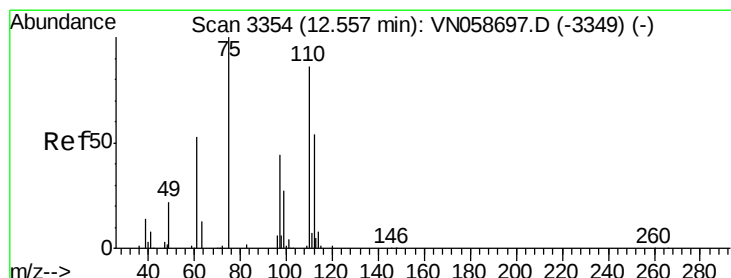
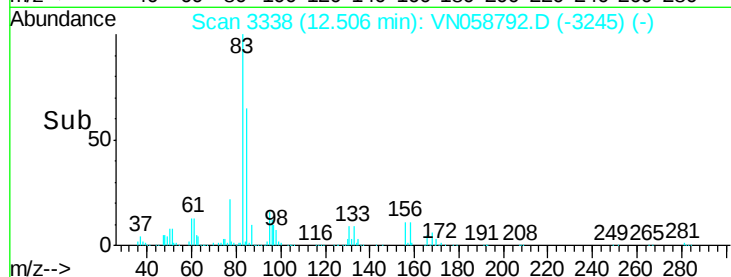
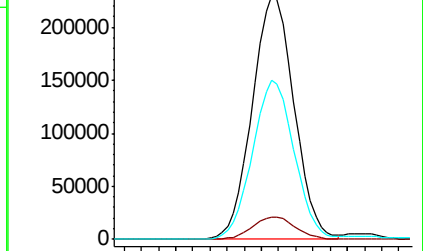
85 65.1 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 79.109 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058792.D

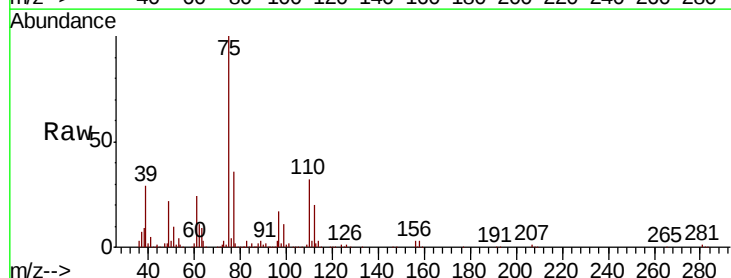
Acq: 16 Oct 2019 10:35

Tgt Ion: 75 Resp: 535406

Ion Ratio Lower Upper

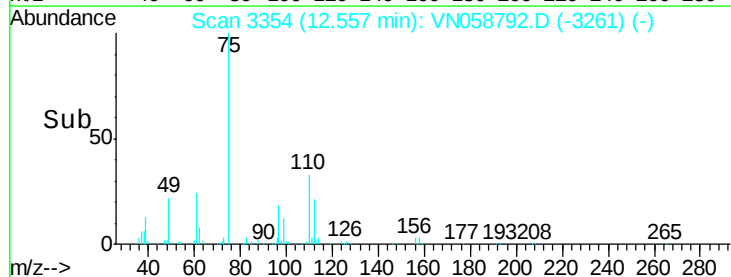
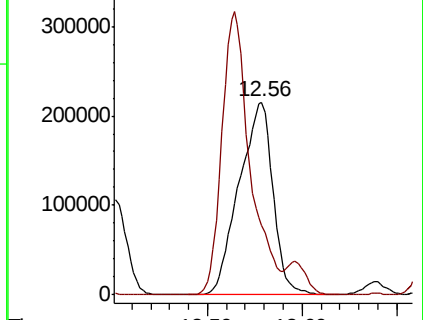
75 100

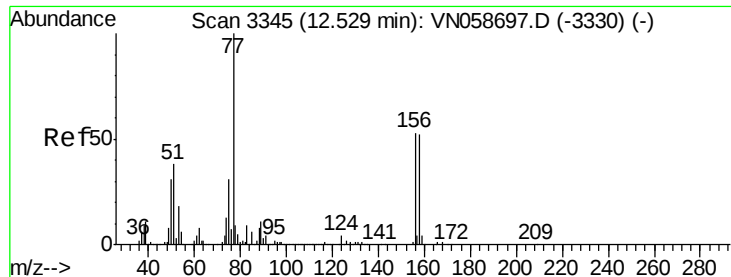
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 51.614 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

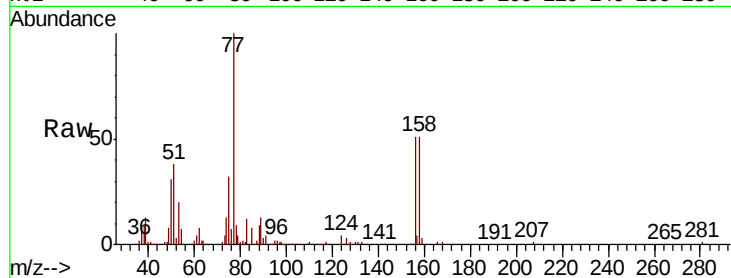
Tot Ion:156 Resp: 280500

Ion Ratio Lower Upper

156 100

77 235.5 115.8 347.3

158 98.2 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

400000

300000

200000

100000

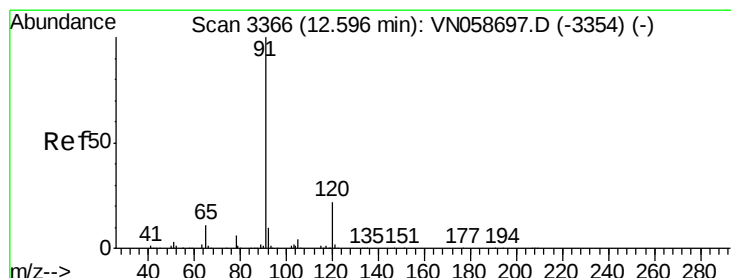
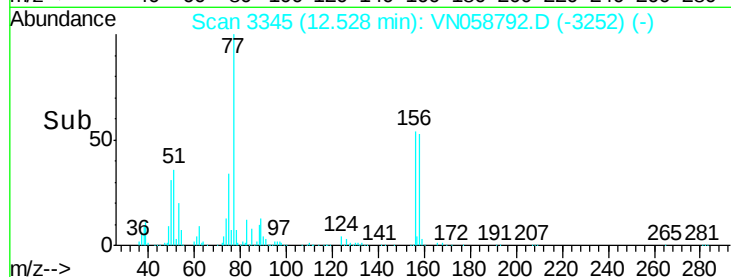
0

12.50

12.53

12.60

Time-->



#78

n-propylbenzene

Concen: 55.023 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058792.D

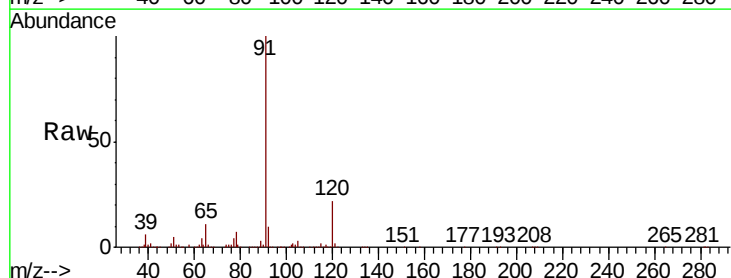
Acq: 16 Oct 2019 10:35

Tgt Ion: 91 Resp: 1432546

Ion Ratio Lower Upper

91 100

120 22.0 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

1000000

800000

600000

400000

200000

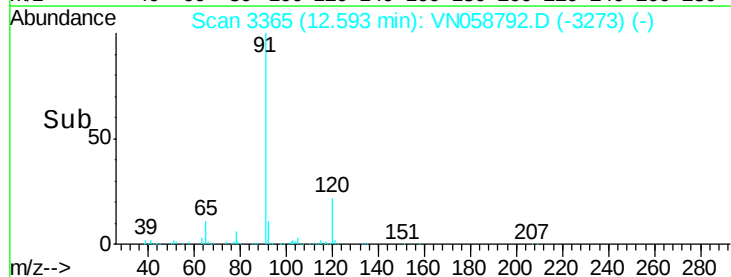
0

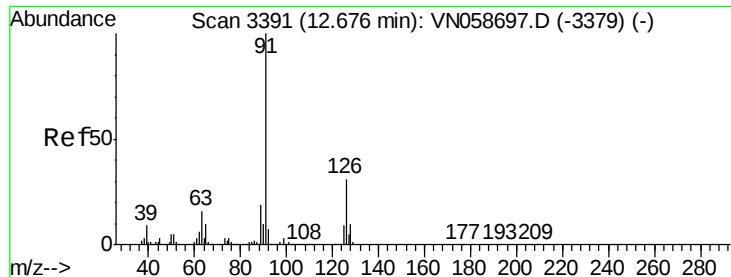
12.55

12.59

12.65

Time-->

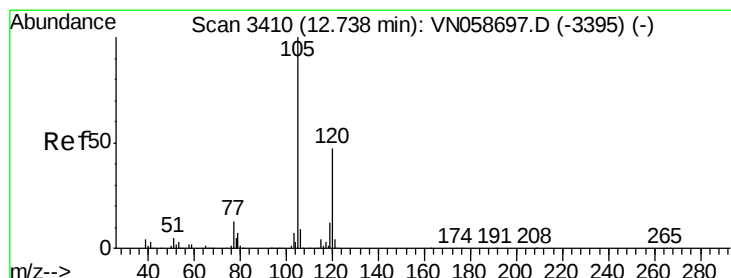
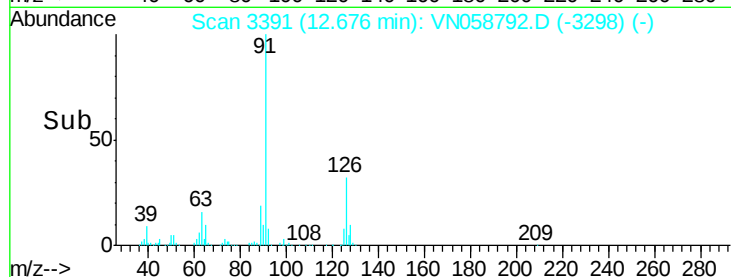
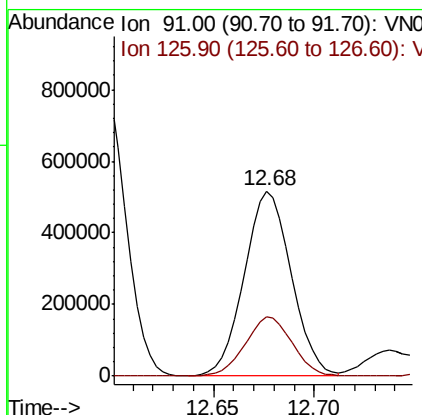
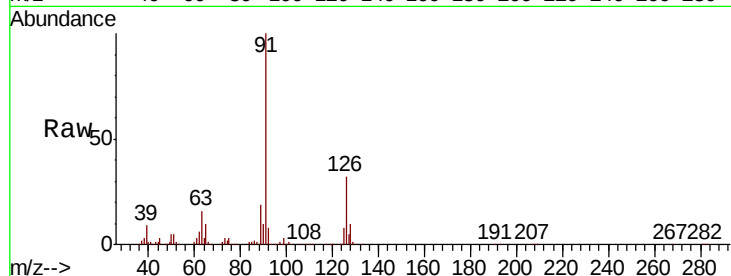




#79
 2-Chlorotoluene
 Concen: 52.075 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. -0.00 min
 Lab File: VN058792.D
 Acq: 16 Oct 2019 10:35

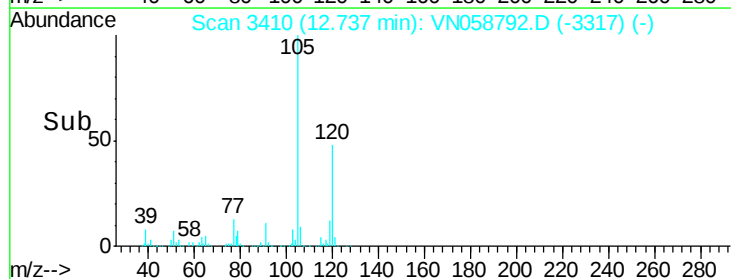
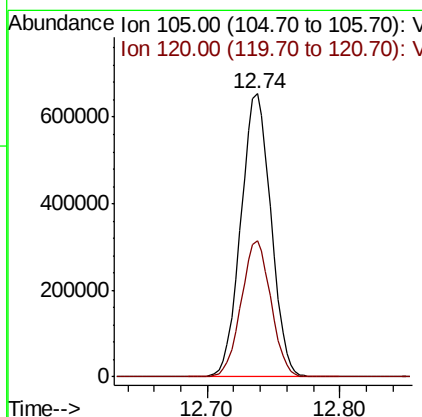
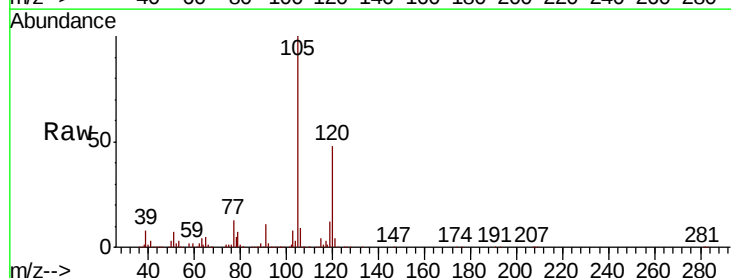
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

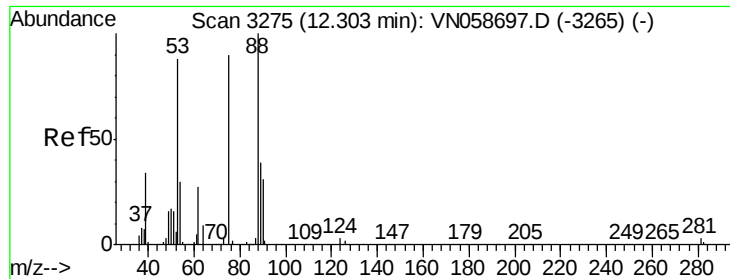
Tot Ion: 91 Resp: 841497
 Ion Ratio Lower Upper
 91 100
 126 32.2 16.2 48.5



#80
 1,3,5-Trimethylbenzene
 Concen: 53.980 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN058792.D
 Acq: 16 Oct 2019 10:35

Tgt Ion: 105 Resp: 1029678
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 56.130 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

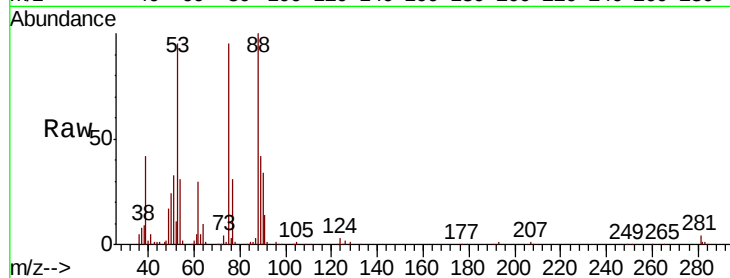
Tot Ion: 75 Resp: 141817

Ion Ratio Lower Upper

75 100

53 98.8 78.4 117.6

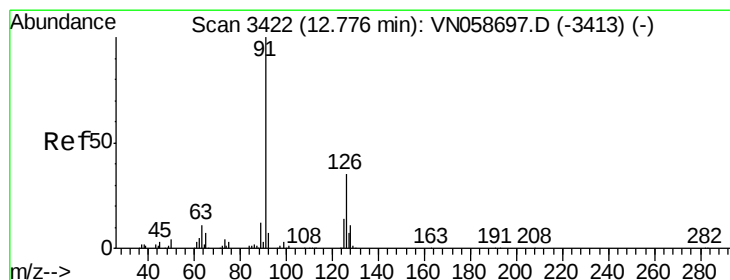
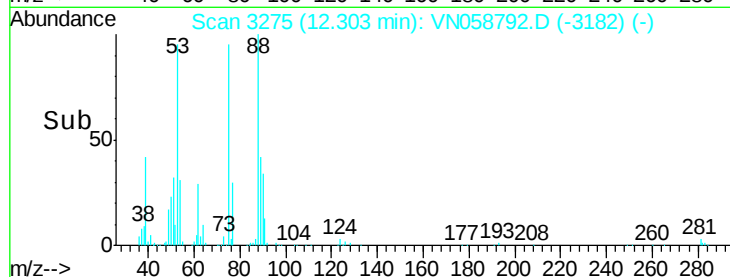
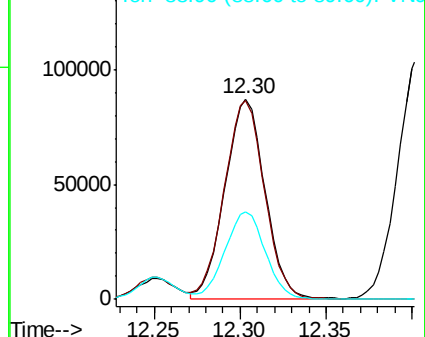
89 44.4 34.9 52.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 53.170 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN058792.D

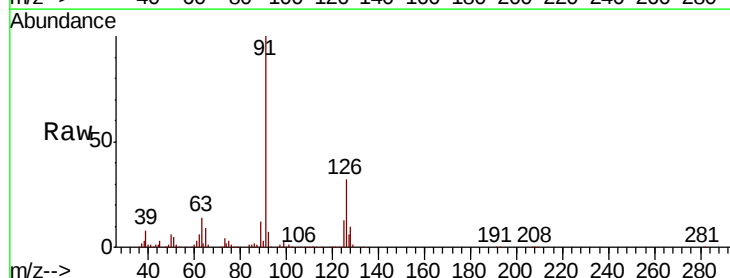
Acq: 16 Oct 2019 10:35

Tgt Ion: 91 Resp: 881666

Ion Ratio Lower Upper

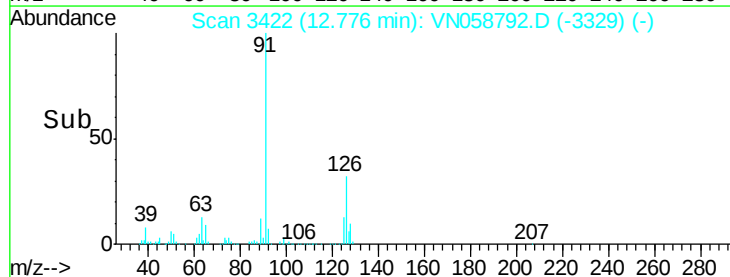
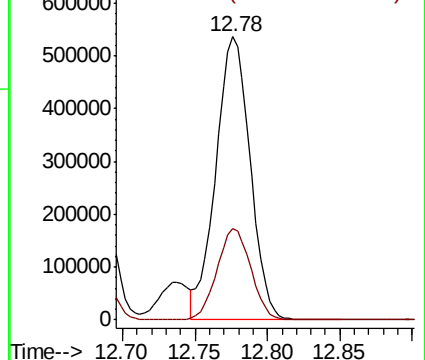
91 100

126 31.8 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

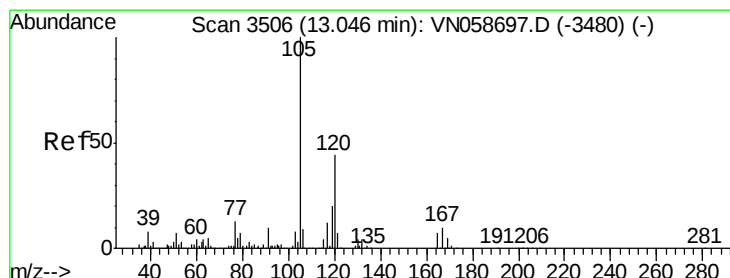
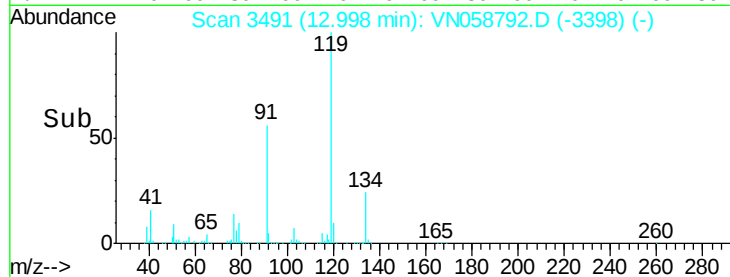
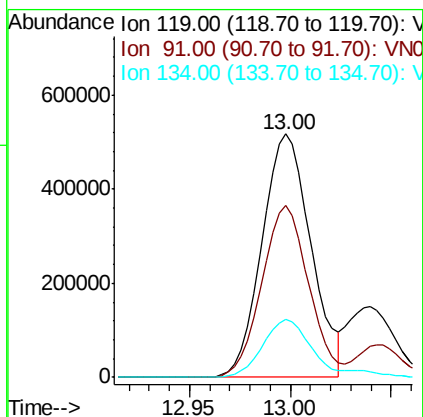
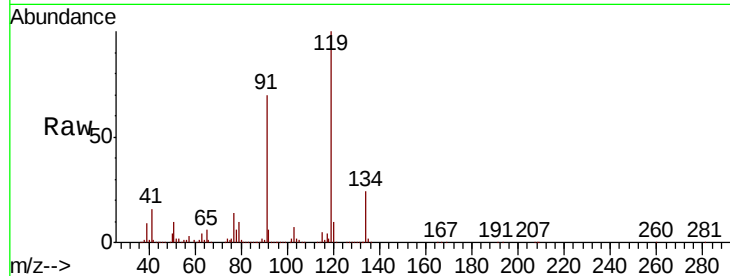




#83
 tert-Butylbenzene
 Concen: 53.425 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN058792.D
 Acq: 16 Oct 2019 10:35

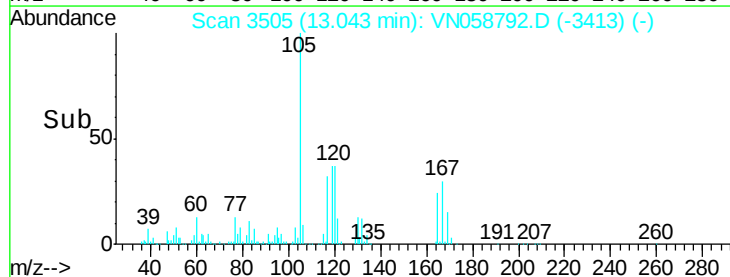
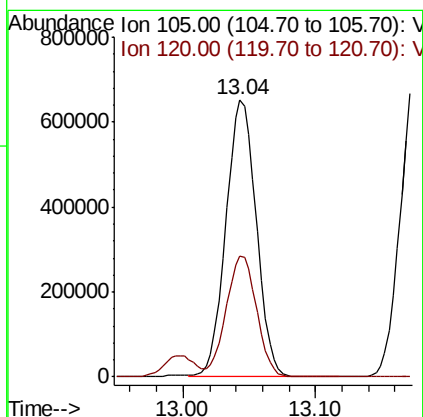
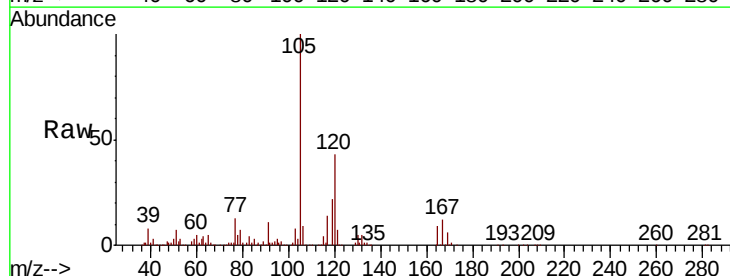
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 873027
 Ion Ratio Lower Upper
 119 100
 91 67.7 33.8 101.3
 134 23.3 12.6 37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 54.686 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. -0.00 min
 Lab File: VN058792.D
 Acq: 16 Oct 2019 10:35

Tgt Ion:105 Resp: 1035558
 Ion Ratio Lower Upper
 105 100
 120 44.1 21.9 65.7





#85

sec-Butylbenzene

Concen: 55.322 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

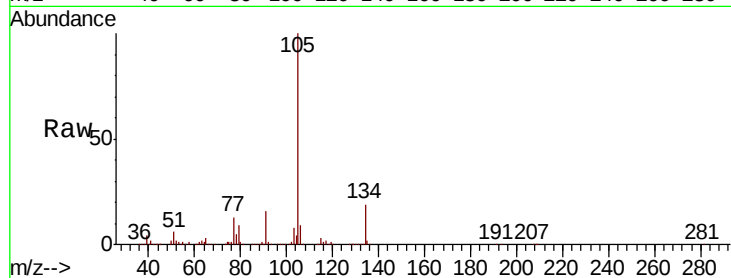
VSTDCCC050

Tot Ion:105 Resp: 1191191

Ion Ratio Lower Upper

105 100

134 19.0 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.18

800000

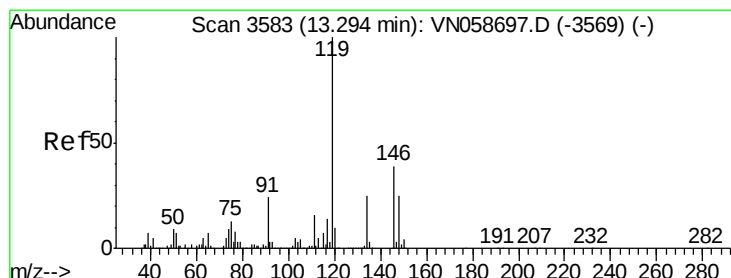
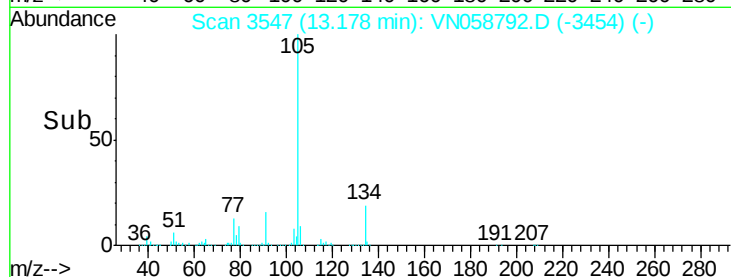
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 54.927 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

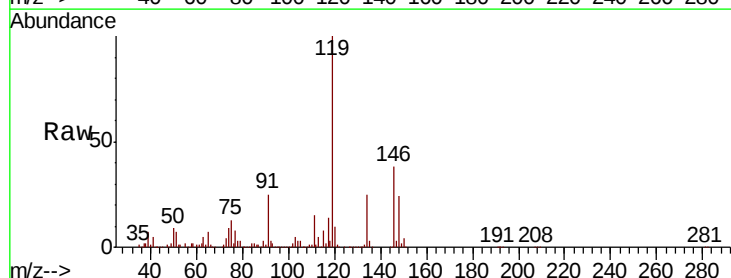
Tgt Ion:119 Resp: 1074912

Ion Ratio Lower Upper

119 100

134 25.1 12.7 38.1

91 24.5 11.9 35.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

800000

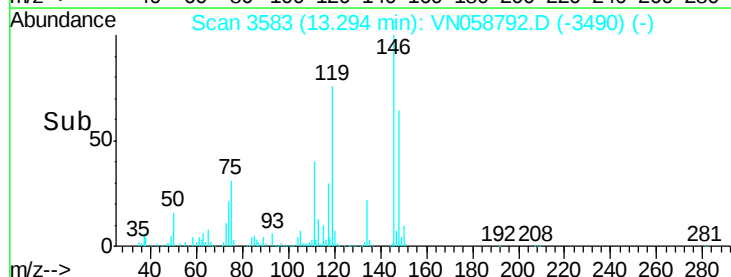
600000

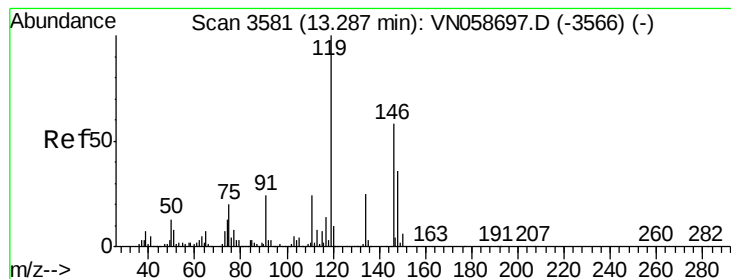
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 51.753 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

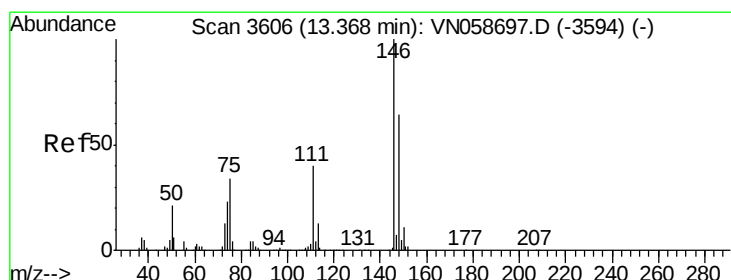
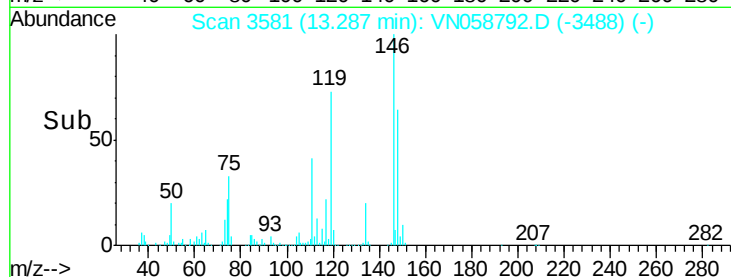
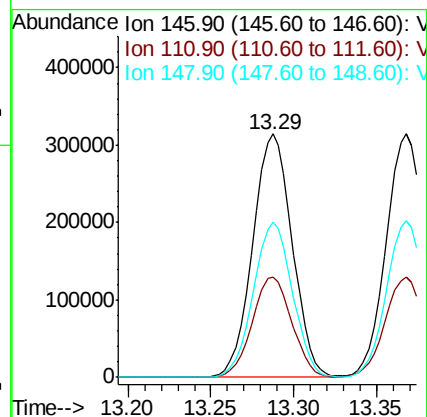
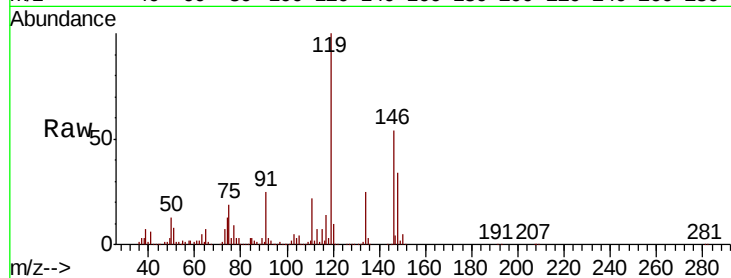
Tot Ion:146 Resp: 518686

Ion Ratio Lower Upper

146 100

111 41.3 20.5 61.6

148 63.3 31.3 93.9



#88

1,4-Dichlorobenzene

Concen: 50.310 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

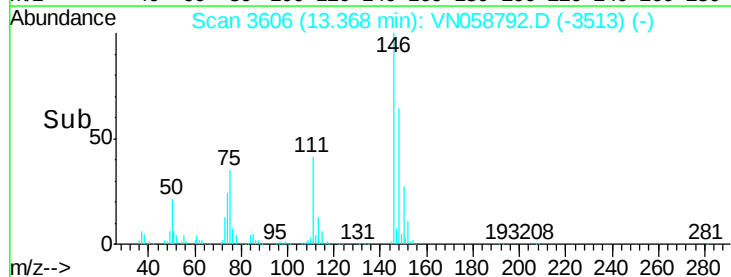
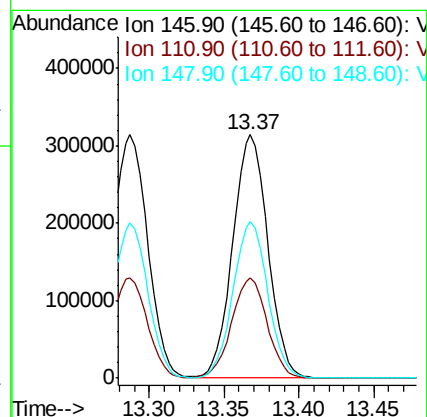
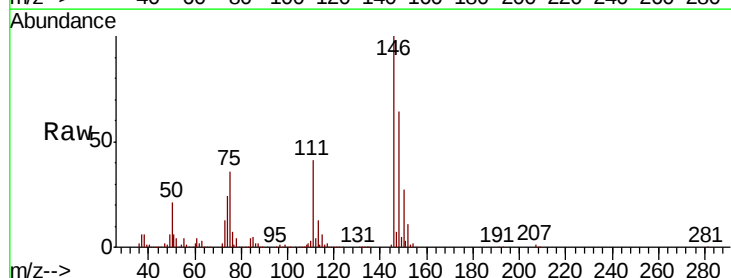
Tgt Ion:146 Resp: 512657

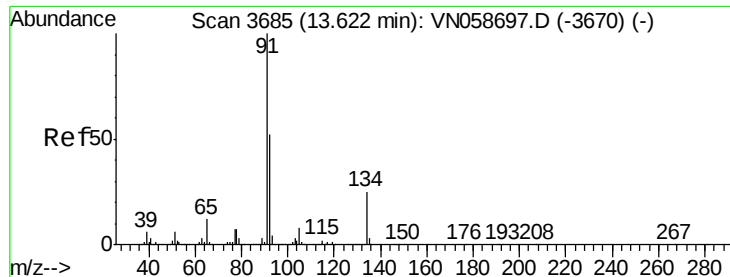
Ion Ratio Lower Upper

146 100

111 41.5 20.1 60.2

148 63.9 31.9 95.7





#89

n-Butylbenzene

Concen: 54.195 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

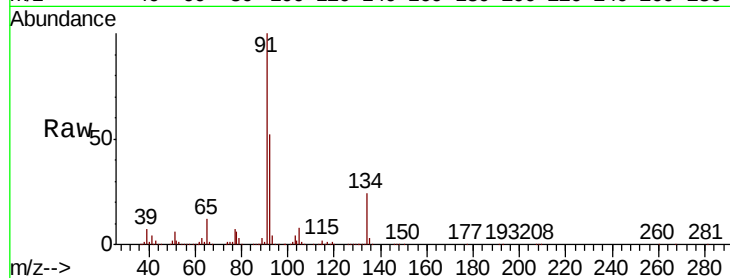
Tot Ion: 91 Resp: 980665

Ion Ratio Lower Upper

91 100

92 51.8 26.0 78.0

134 24.0 12.2 36.6



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

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

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

13.62

600000

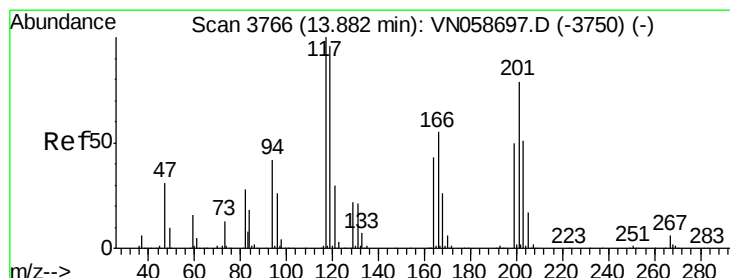
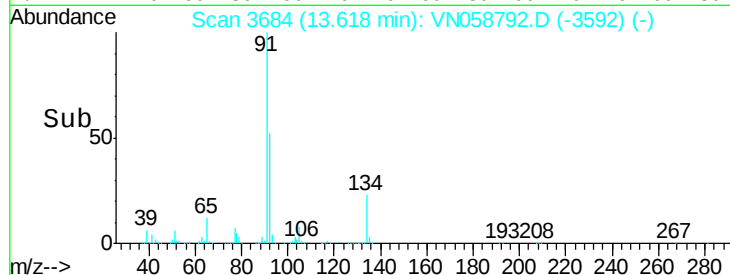
400000

200000

0

13.55 13.60 13.65 13.70

Time-->



#90

Hexachloroethane

Concen: 55.381 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. -0.00 min

Lab File: VN058792.D

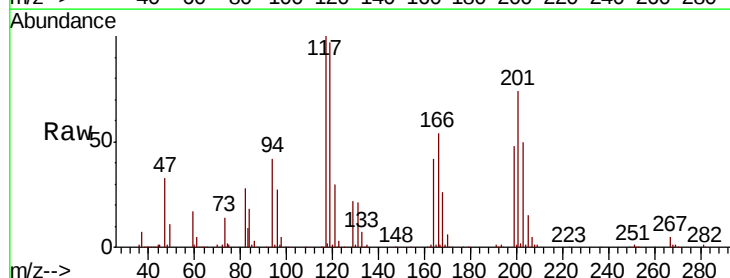
Acq: 16 Oct 2019 10:35

Tgt Ion: 117 Resp: 193923

Ion Ratio Lower Upper

117 100

201 76.7 39.6 118.7



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

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

13.88

120000

100000

80000

60000

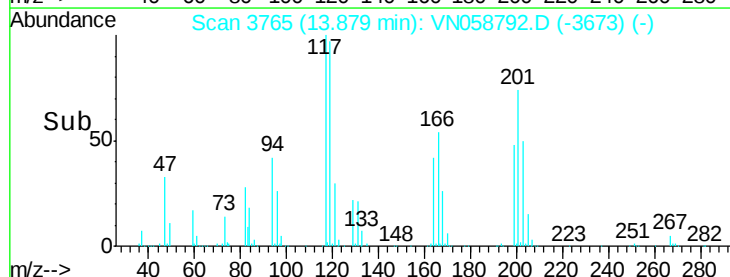
40000

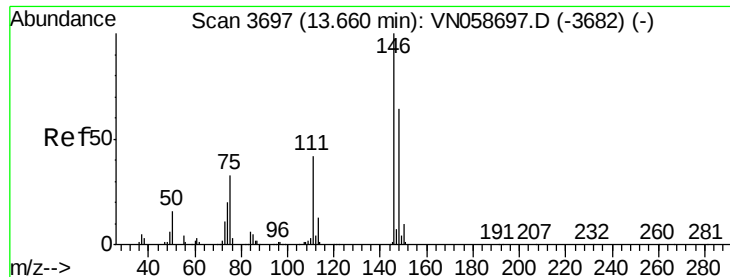
20000

0

13.80 13.85 13.90 13.95

Time-->





#91

1,2-Dichlorobenzene

Concen: 52.109 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

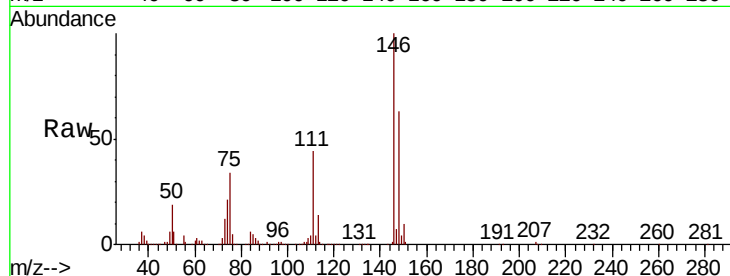
Tot Ion:146 Resp: 509013

Ion Ratio Lower Upper

146 100

111 43.1 21.1 63.4

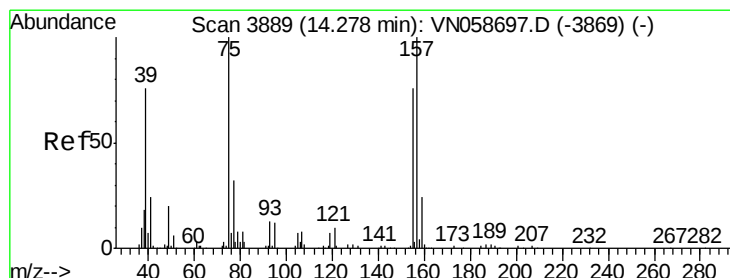
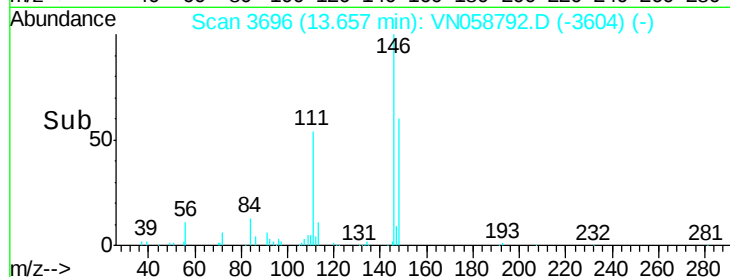
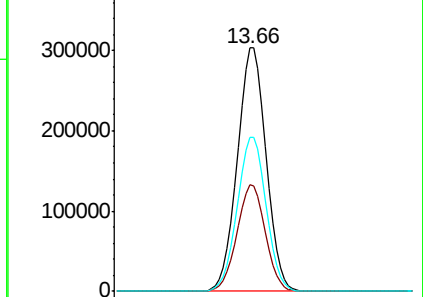
148 63.7 31.8 95.3



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: 50.068 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

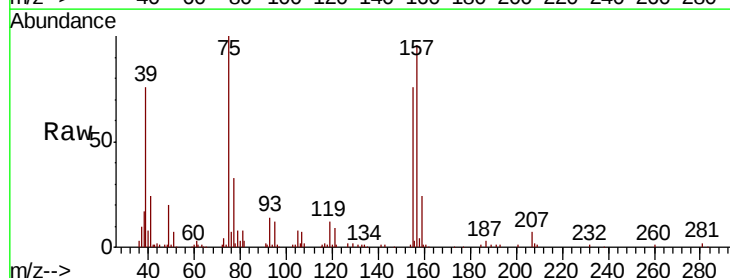
Tgt Ion: 75 Resp: 86094

Ion Ratio Lower Upper

75 100

155 74.9 37.9 113.6

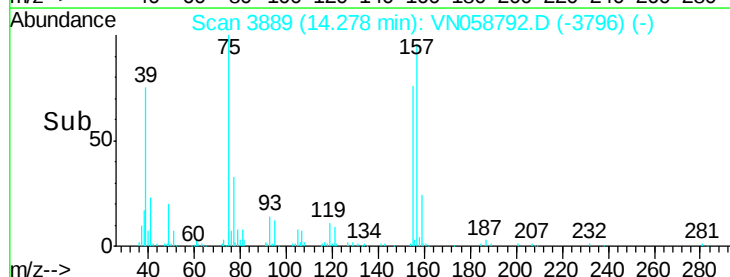
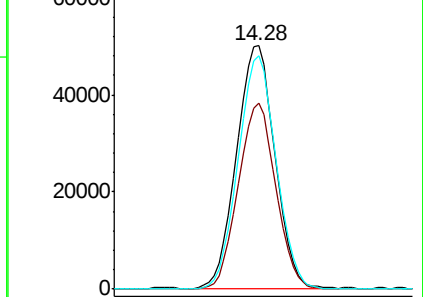
157 95.2 49.4 148.2



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

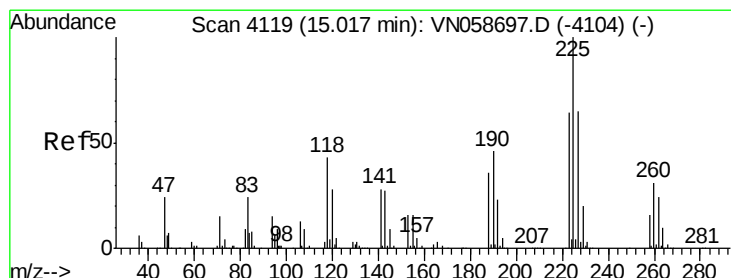
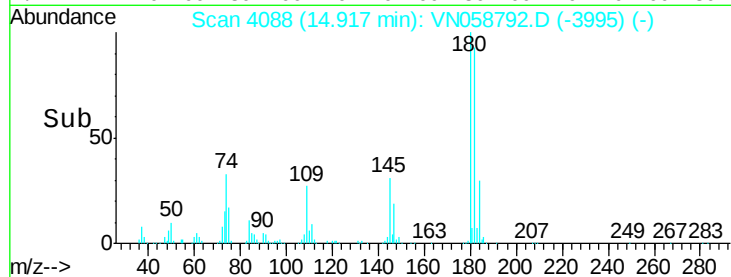
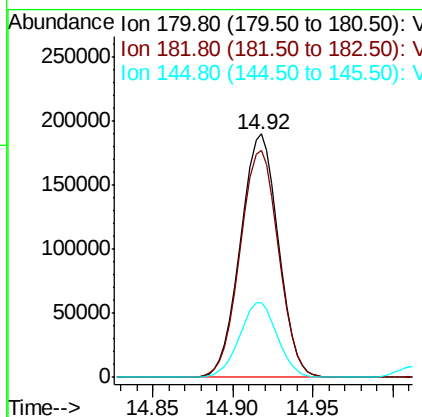
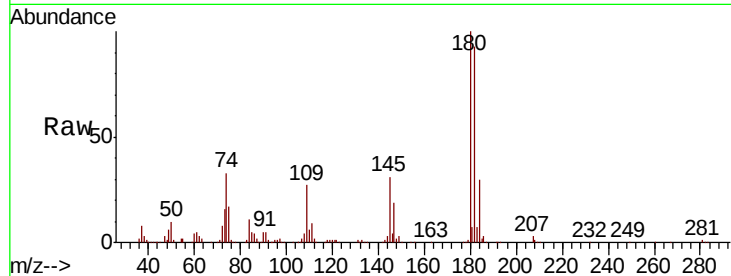




#93
 1,2,4-Trichlorobenzene
 Concen: 51.373 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058792.D
 Acq: 16 Oct 2019 10:35

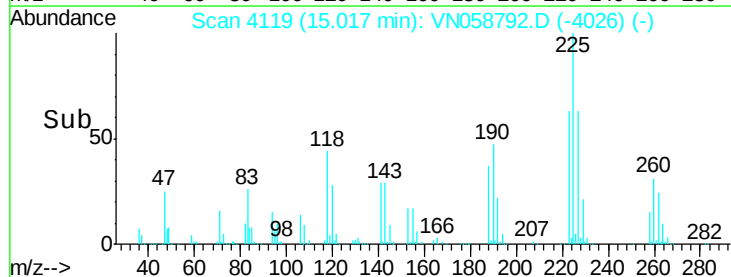
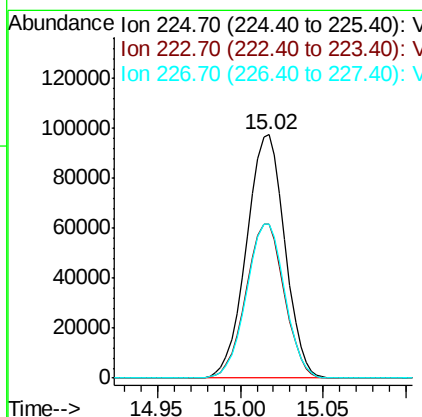
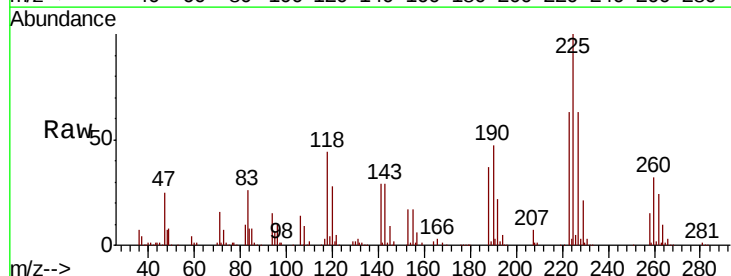
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

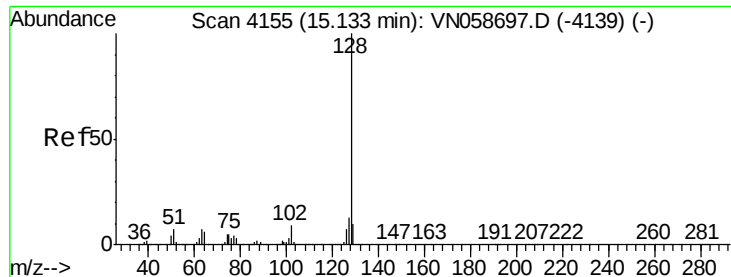
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.4	142.2
145	30.5	15.4	46.2



#94
 Hexachlorobutadiene
 Concen: 49.934 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN058792.D
 Acq: 16 Oct 2019 10:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	32.3	96.8
227	63.4	32.4	97.0





#95

Naphthalene

Concen: 52.444 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

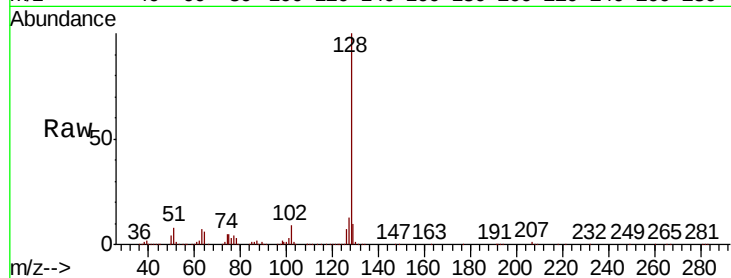
Tot Ion:128 Resp: 898123

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

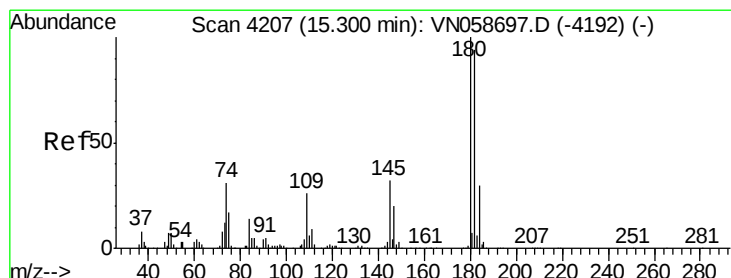
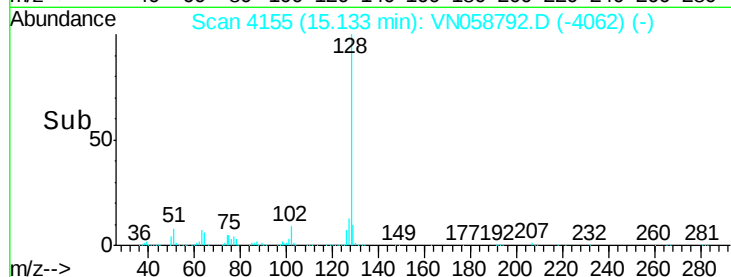
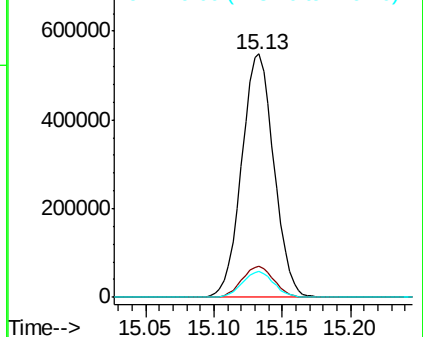
129 10.4 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.280 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

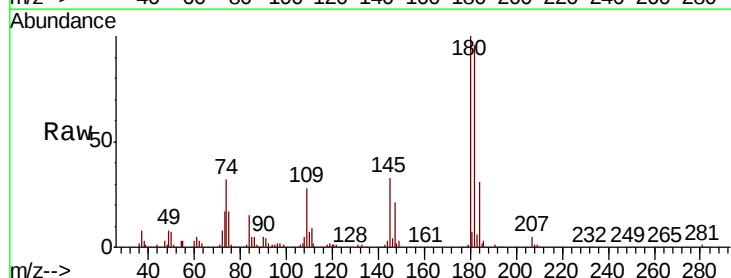
Tgt Ion:180 Resp: 292512

Ion Ratio Lower Upper

180 100

182 96.8 47.3 142.0

145 32.7 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

