

Data File : VN057785.D
Acq On : 8 Sep 2019 3:57
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Sep 08 06:47:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 03:46:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	198890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	314579	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	297697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	178814	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	224348	46.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.74%	
35) Dibromofluoromethane	7.58	113	148095	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
50) Toluene-d8	10.09	98	544462	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
62) 4-Bromofluorobenzene	12.40	95	216488	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	142415	45.090	ug/l	97
3) Chloromethane	2.03	50	135889	36.083	ug/l	97
4) Vinyl Chloride	2.16	62	122200	44.675	ug/l	96
5) Bromomethane	2.54	94	64245	51.141	ug/l	96
6) Chloroethane	2.68	64	71114	44.038	ug/l #	89
7) Trichlorofluoromethane	2.99	101	184437	42.016	ug/l	96
8) Diethyl Ether	3.39	74	79852	45.525	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	123721	45.160	ug/l	95
10) Methyl Iodide	3.93	142	152256	56.092	ug/l	99
11) Tert butyl alcohol	4.77	59	121180	220.436	ug/l	97
12) 1,1-Dichloroethene	3.72	96	115235	46.750	ug/l	94
13) Acrolein	3.59	56	58439	223.530	ug/l	99
14) Allyl chloride	4.30	41	237169	42.105	ug/l	98
15) Acrylonitrile	4.96	53	344749	243.926	ug/l	97
16) Acetone	3.80	43	334441	224.615	ug/l	98
17) Carbon Disulfide	4.03	76	232918	41.707	ug/l	99
18) Methyl Acetate	4.30	43	186137	45.971	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	457430	44.203	ug/l	97
20) Methylene Chloride	4.53	84	140183	43.543	ug/l	94
21) trans-1,2-Dichloroethene	5.02	96	123231	47.511	ug/l	91
22) Diisopropyl ether	5.93	45	553363	46.440	ug/l	98
23) Vinyl Acetate	5.87	43	2253272	233.632	ug/l	100
24) 1,1-Dichloroethane	5.82	63	277031	45.344	ug/l	99
25) 2-Butanone	6.82	43	508998	238.709	ug/l	98
26) 2,2-Dichloropropane	6.80	77	152679	29.955	ug/l	97
27) cis-1,2-Dichloroethene	6.81	96	155909	47.889	ug/l	89
28) Bromochloromethane	7.18	49	156442	48.939	ug/l	96
29) Tetrahydrofuran	7.19	42	324276	235.818	ug/l	99
30) Chloroform	7.36	83	297726	46.766	ug/l	99
31) Cyclohexane	7.64	56	230029	42.358	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	257554	48.569	ug/l	96
36) 1,1-Dichloropropene	7.78	75	196786	47.022	ug/l	98
37) Ethyl Acetate	6.91	43	210937	50.770	ug/l	98
38) Carbon Tetrachloride	7.76	117	202673	50.577	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	206029	46.544	ug/l	99
40) Benzene	8.03	78	576227	48.679	ug/l	100
41) Methacrylonitrile	7.15	41	81181	39.972	ug/l #	74
42) 1,2-Dichloroethane	8.11	62	263602	47.509	ug/l	99
43) Isopropyl Acetate	8.15	43	386109	48.416	ug/l	99
44) Trichloroethene	8.83	130	140299	52.736	ug/l	97
45) 1,2-Dichloropropane	9.11	63	160992	48.629	ug/l	99
46) Dibromomethane	9.20	93	109345	51.490	ug/l	93
47) Bromodichloromethane	9.40	83	226230	50.127	ug/l	98
48) Methyl methacrylate	9.19	41	194628	47.454	ug/l	98
49) 1,4-Dioxane	9.19	88	48767	1021.927	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1153965	260.556	ug/l	99
52) Toluene	10.15	92	357777	49.868	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	207612	45.853	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	229324	46.879	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	148258	51.349	ug/l	97
56) Ethyl methacrylate	10.43	69	234985	50.991	ug/l	96
57) 1,3-Dichloropropane	10.71	76	255591	49.281	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	573034	245.094	ug/l	98
59) 2-Hexanone	10.75	43	814730	260.876	ug/l	100
60) Dibromochloromethane	10.90	129	150289	48.337	ug/l	99
61) 1,2-Dibromoethane	11.00	107	145815	52.607	ug/l	100
64) Tetrachloroethene	10.63	164	125595	54.114	ug/l	97
65) Chlorobenzene	11.43	112	387550	49.906	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	145033	53.674	ug/l	97
67) Ethyl Benzene	11.51	91	750155	50.067	ug/l	99
68) m/p-Xylenes	11.62	106	521075	100.971	ug/l	98
69) o-Xylene	11.95	106	254472	49.799	ug/l	100
70) Styrene	11.97	104	447271	50.586	ug/l	97
71) Bromoform	12.13	173	97878	48.574	ug/l #	97
73) Isopropylbenzene	12.25	105	730150	46.186	ug/l	99
74) N-amyl acetate	12.07	43	352446	44.630	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	217697	45.923	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	264840	64.497	ug/l #	100
77) Bromobenzene	12.53	156	173684	50.571	ug/l	87
78) n-propylbenzene	12.59	91	867078	46.165	ug/l	99
79) 2-Chlorotoluene	12.68	91	513533	44.912	ug/l	96
80) 1,3,5-Trimethylbenzene	12.74	105	630869	46.977	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	46966	35.571	ug/l	95
82) 4-Chlorotoluene	12.78	91	534172	45.361	ug/l	98
83) tert-Butylbenzene	13.00	119	534341	47.199	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	633723	47.640	ug/l	100
85) sec-Butylbenzene	13.17	105	707377	45.354	ug/l	98
86) p-Isopropyltoluene	13.29	119	637599	48.236	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	315106	49.078	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	309504	48.188	ug/l	98
89) n-Butylbenzene	13.62	91	583120	44.607	ug/l	98
90) Hexachloroethane	13.88	117	96453	46.570	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	308423	48.791	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	45825	49.068	ug/l	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090719\
Quantitation Report (Not Reviewed)

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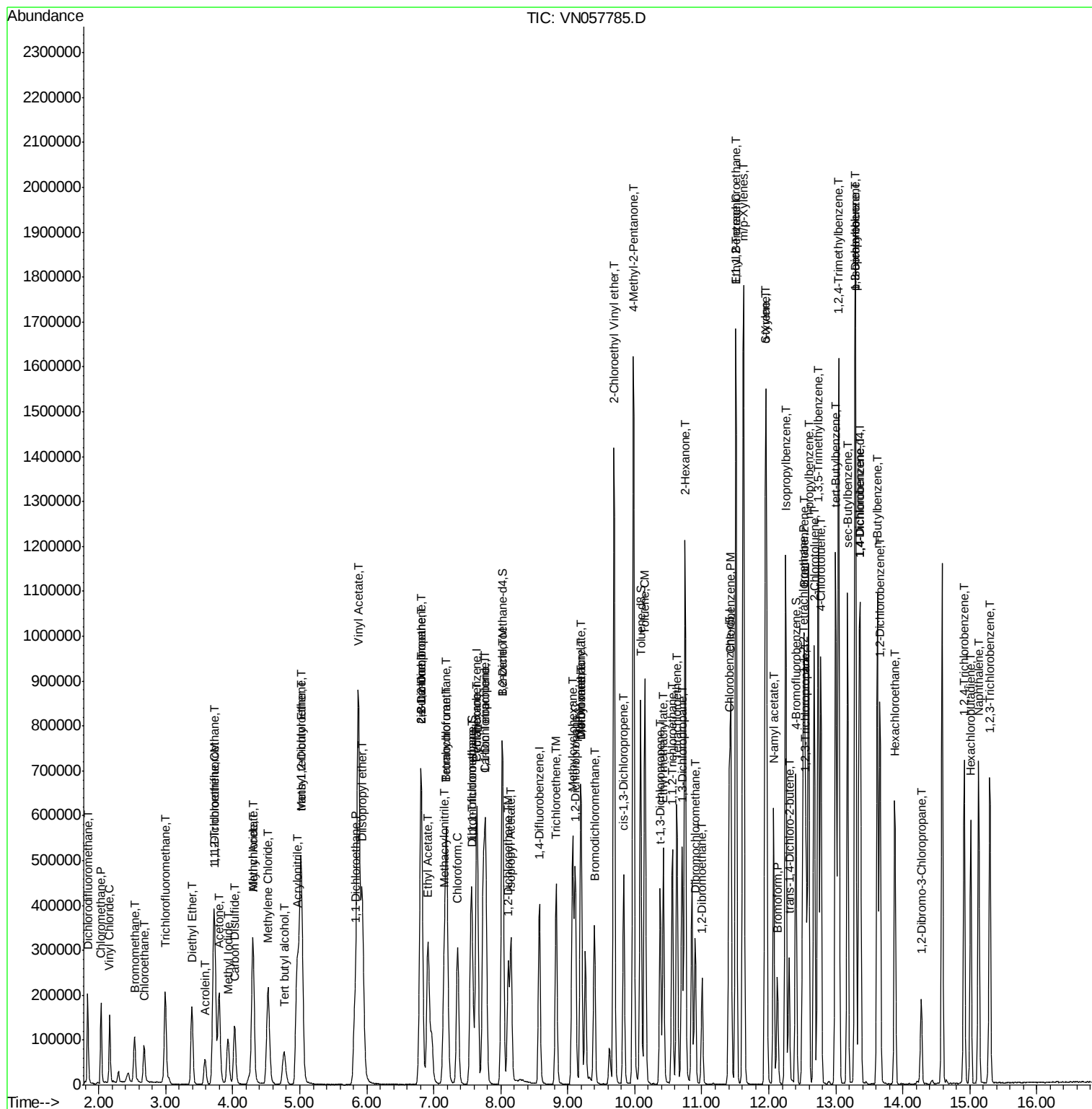
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	199228	52.682	ug/l	99
94) Hexachlorobutadiene	15.01	225	100975	54.780	ug/l	98
95) Naphthalene	15.13	128	533552	48.632	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	188089	51.888	ug/l	97

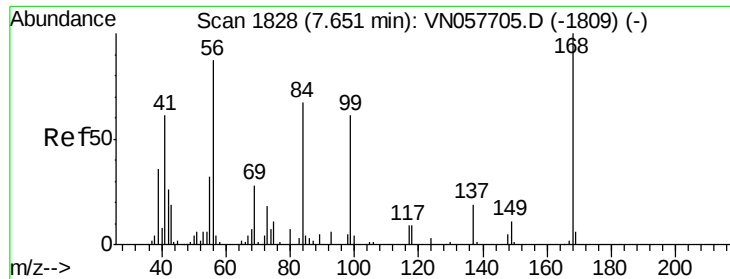
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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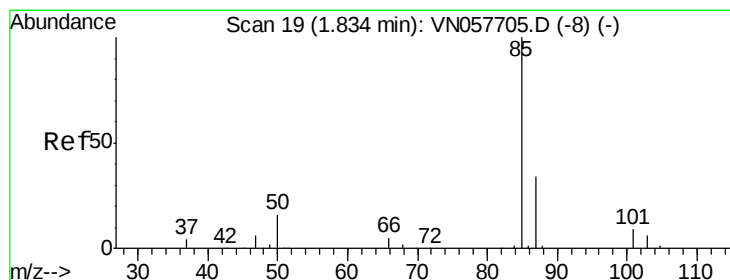
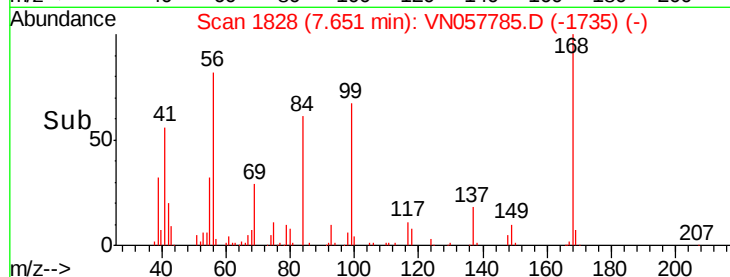
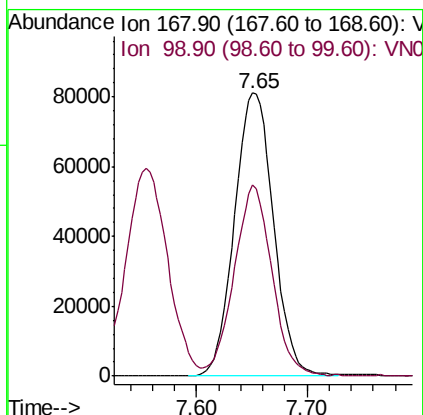
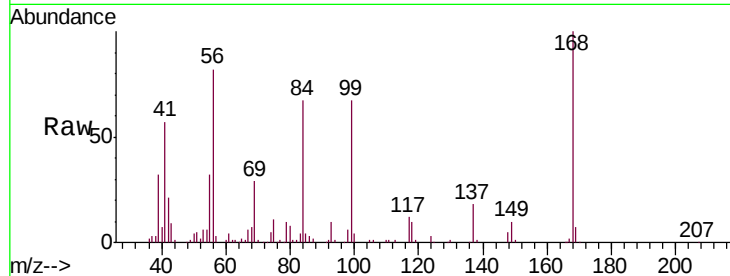




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
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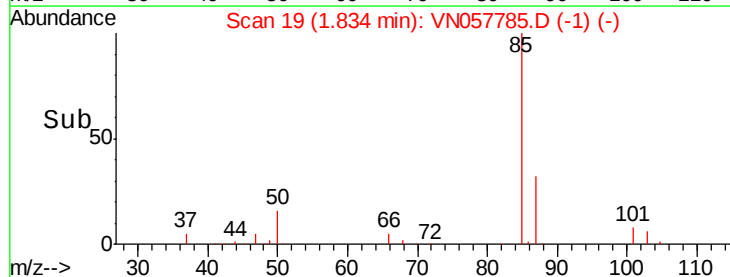
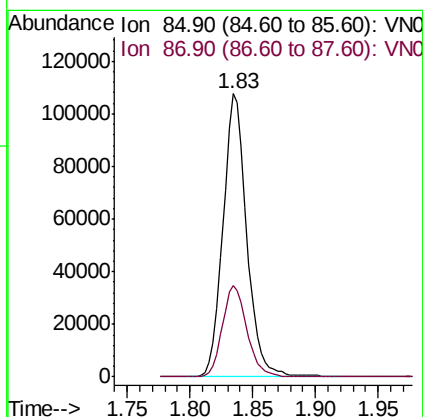
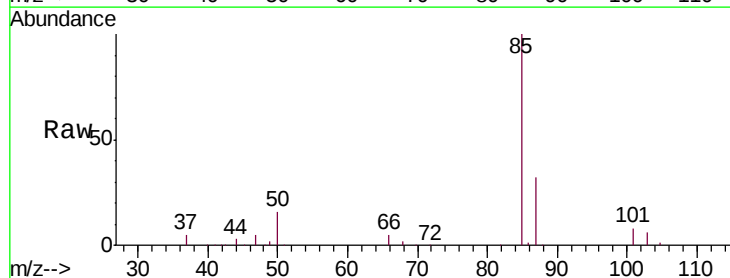
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

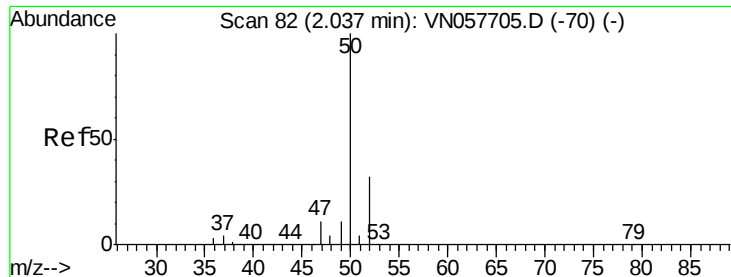
Tgt Ion: 168 Resp: 198890
Ion Ratio Lower Upper
168 100
99 66.9 57.4 86.0



#2
Dichlorodifluoromethane
Concen: 45.090 ug/l
RT: 1.83 min Scan# 19
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Tgt Ion: 85 Resp: 142415
Ion Ratio Lower Upper
85 100
87 32.3 17.0 51.0





#3

Chloromethane

Concen: 36.083 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Instrument :

MSVOA_N

ClientSampleId :

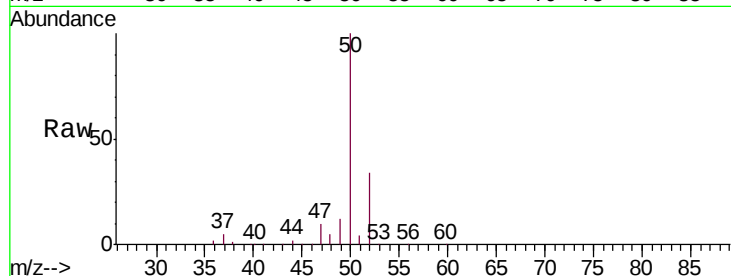
VSTDCCC050EC

Tgt Ion: 50 Resp: 135889

Ion Ratio Lower Upper

50 100

52 34.0 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN057705.D (-70) (-)

Ion 51.90 (51.60 to 52.60): VN057705.D (-70) (-)

2.03

100000

80000

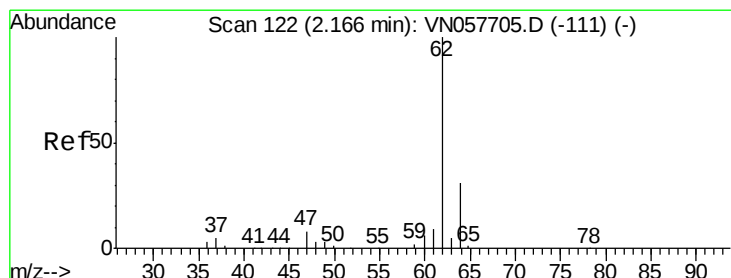
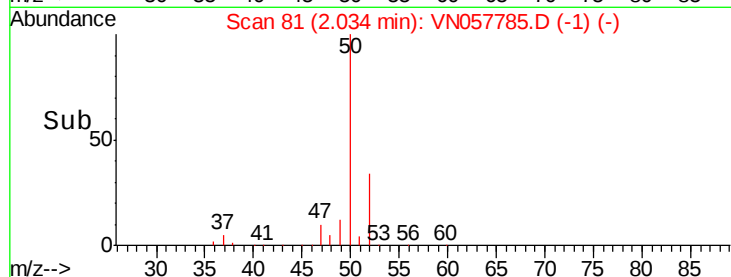
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 44.675 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN057785.D

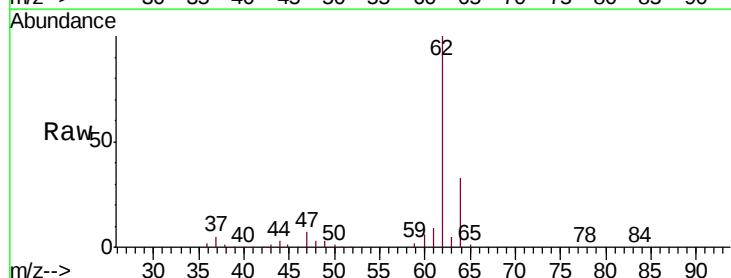
Acq: 8 Sep 2019 3:57

Tgt Ion: 62 Resp: 122200

Ion Ratio Lower Upper

62 100

64 33.1 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VN057705.D (-111) (-)

Ion 63.90 (63.60 to 64.60): VN057705.D (-111) (-)

2.16

100000

80000

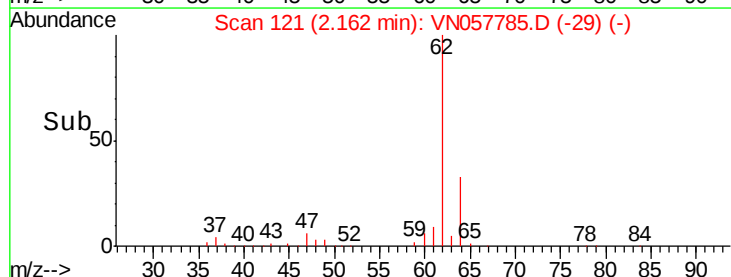
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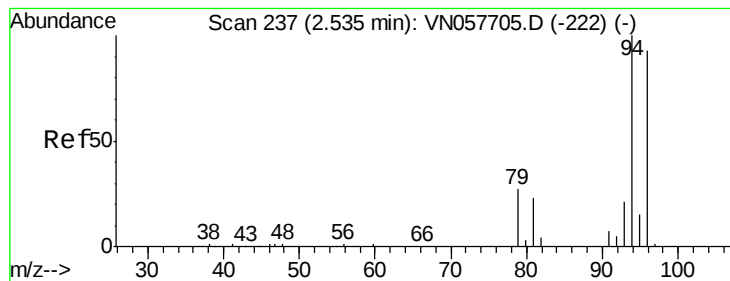
40000

20000

0

Time-->





#5

Bromomethane

Concen: 51.141 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Instrument :

MSVOA_N

ClientSampleId :

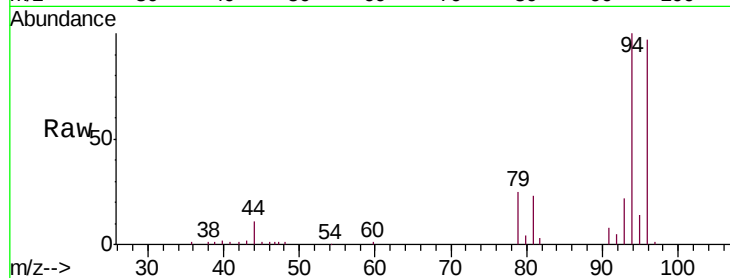
VSTDCCC050EC

Tgt Ion: 94 Resp: 64245

Ion Ratio Lower Upper

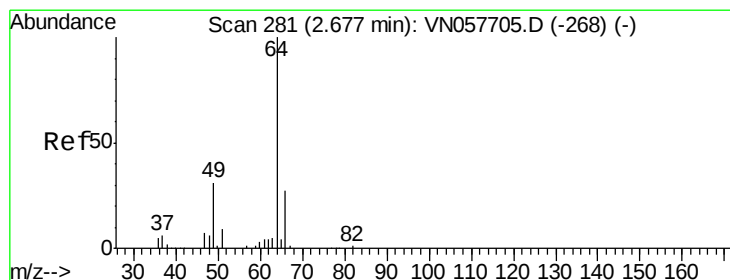
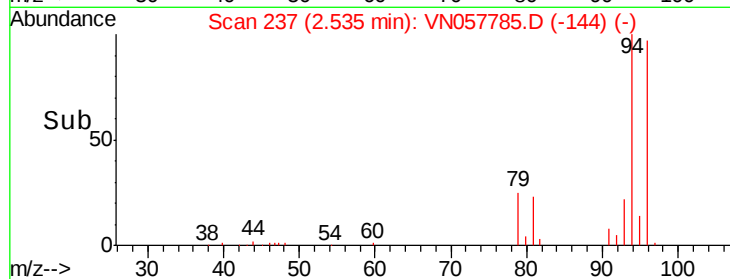
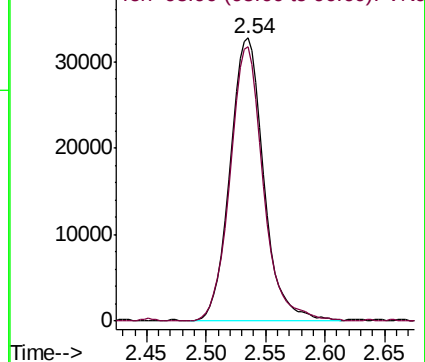
94 100

96 97.1 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 44.038 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.00 min

Lab File: VN057785.D

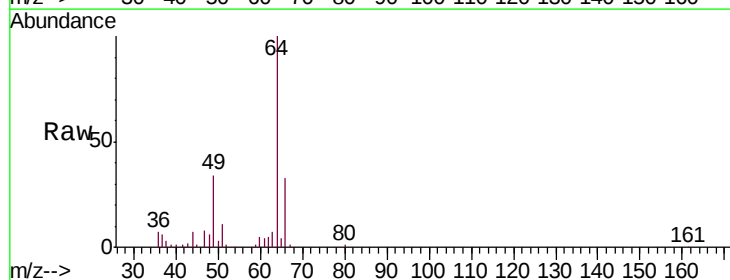
Acq: 8 Sep 2019 3:57

Tgt Ion: 64 Resp: 71114

Ion Ratio Lower Upper

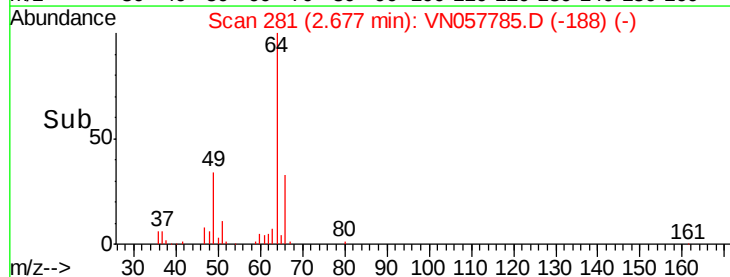
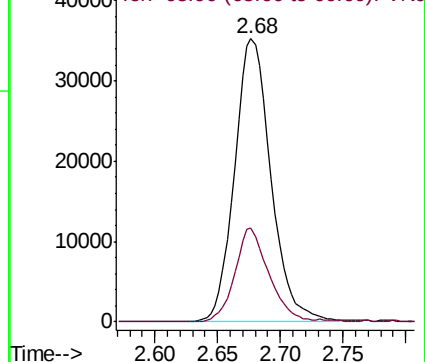
64 100

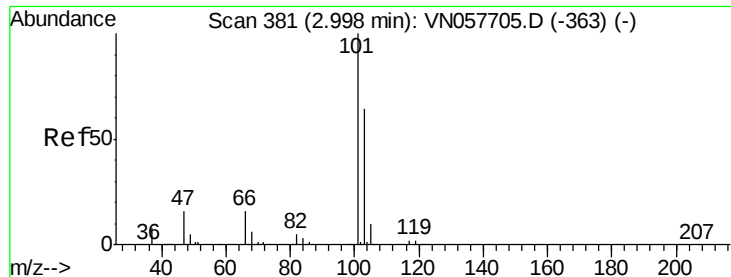
66 33.3 22.0 33.0#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



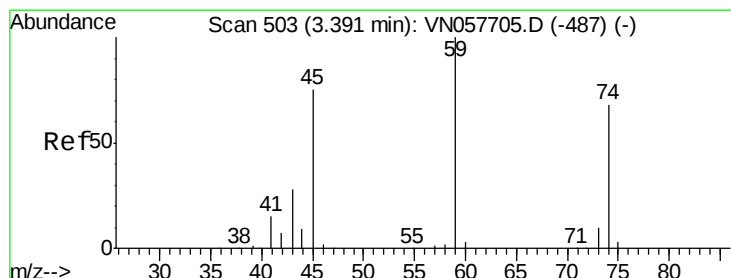
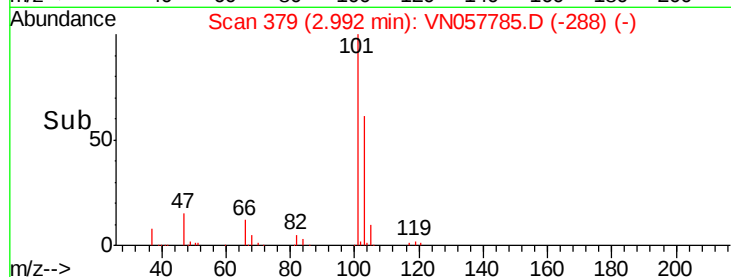
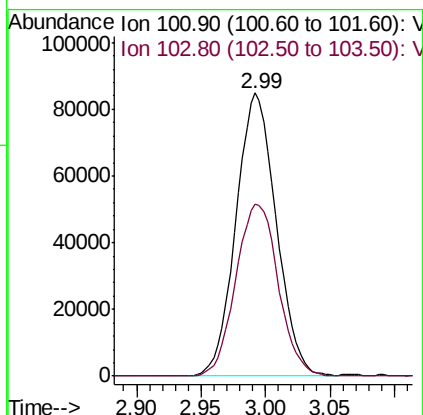
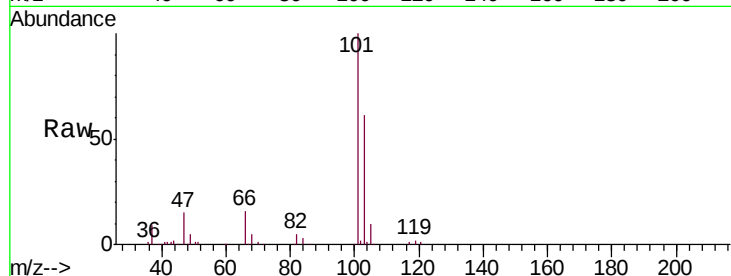


#7

Trichlorofluoromethane
 Concen: 42.016 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. -0.01 min
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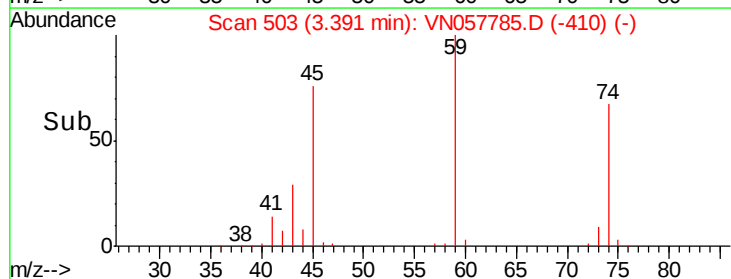
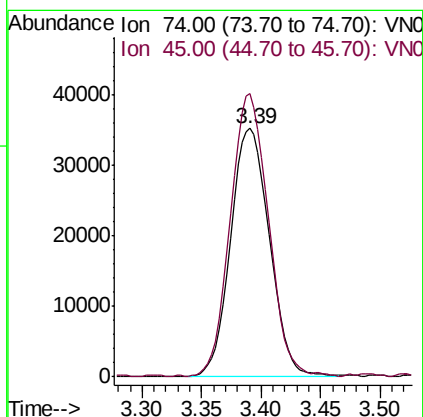
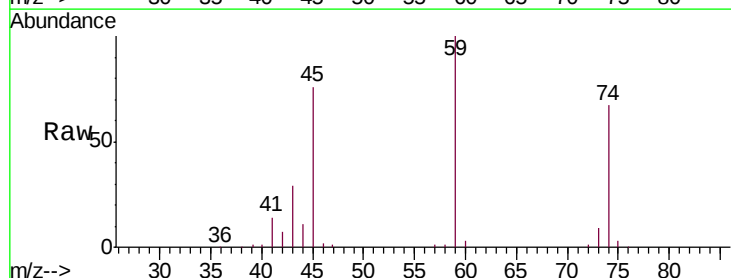
Tgt Ion:101 Resp: 184437
 Ion Ratio Lower Upper
 101 100
 103 60.7 51.4 77.0

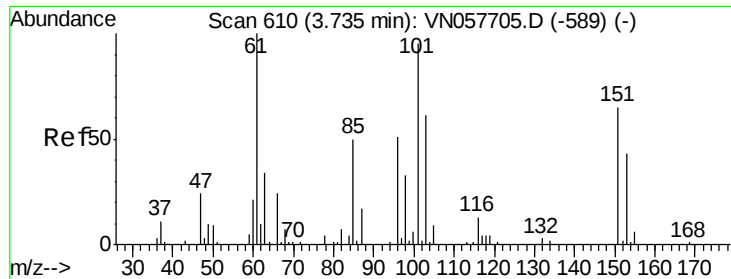


#8

Diethyl Ether
 Concen: 45.525 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

Tgt Ion: 74 Resp: 79852
 Ion Ratio Lower Upper
 74 100
 45 112.0 55.4 166.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.160 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

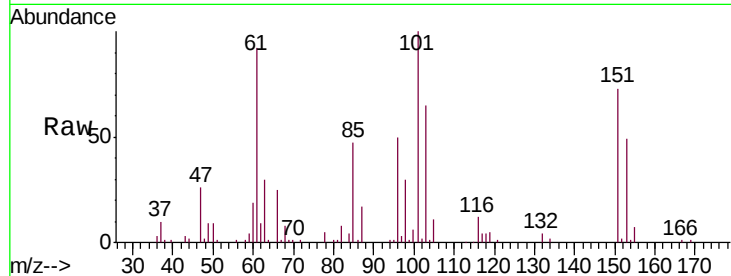
Tgt Ion:101 Resp: 123721

Ion Ratio Lower Upper

101 100

85 50.1 42.8 64.2

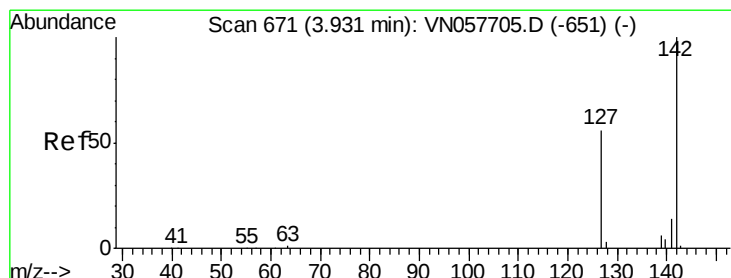
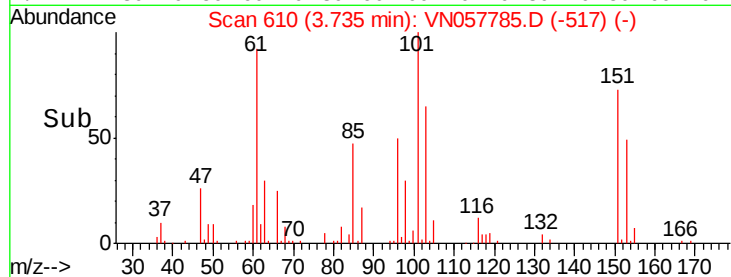
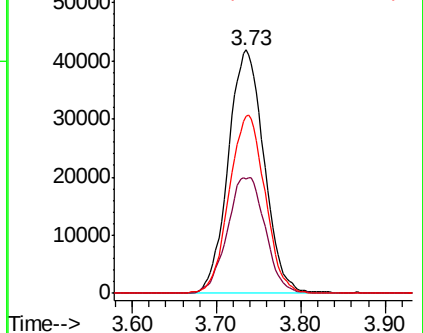
151 73.3 55.5 83.3



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: 56.092 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

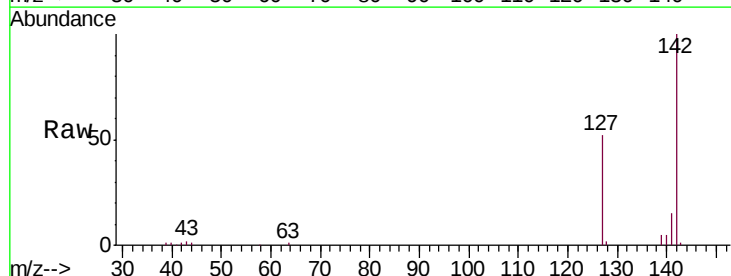
Tgt Ion:142 Resp: 152256

Ion Ratio Lower Upper

142 100

127 53.0 42.1 63.1

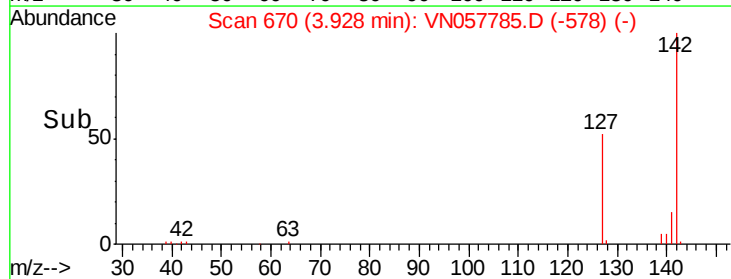
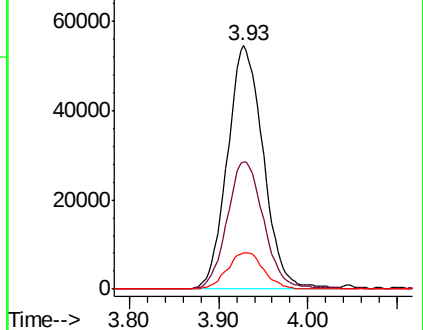
141 15.2 11.0 16.4

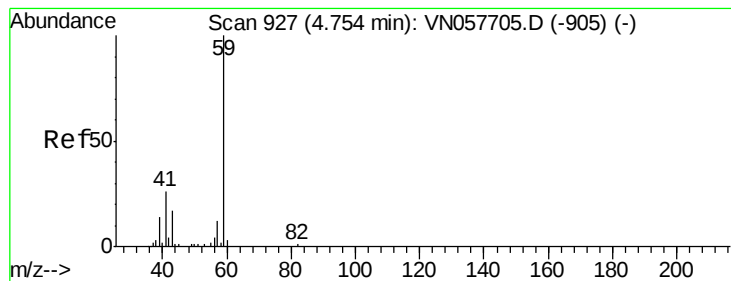


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



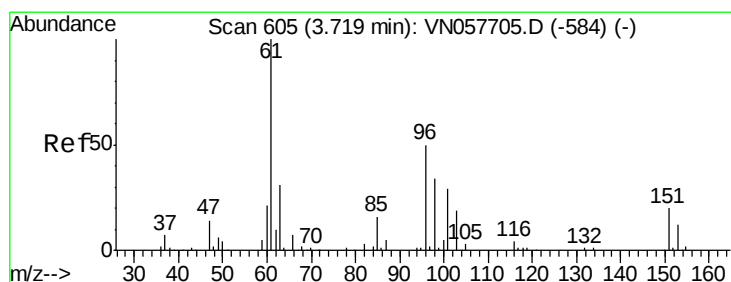
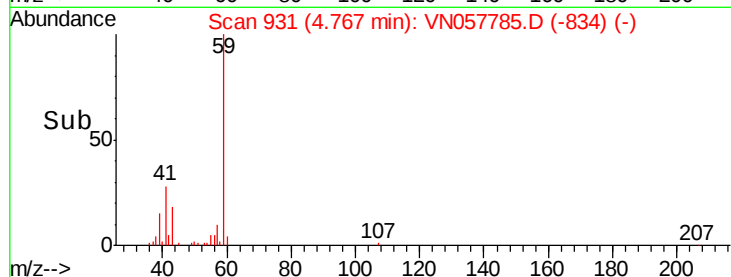
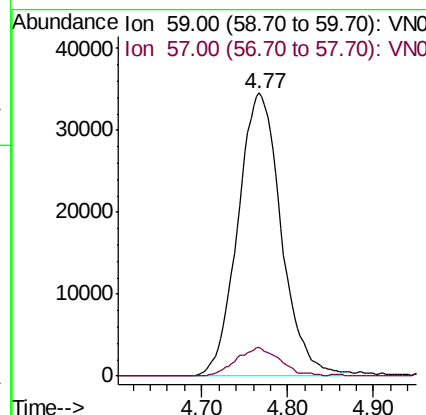
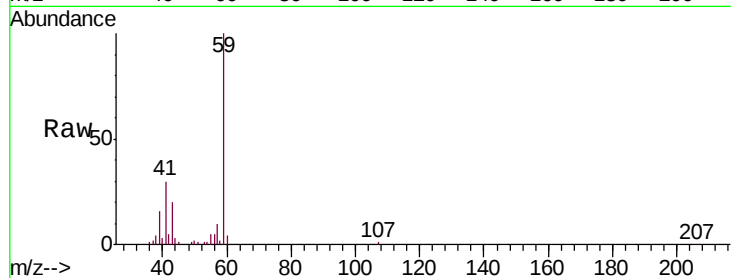


#11

Tert butyl alcohol
 Concen: 220.436 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. 0.01 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

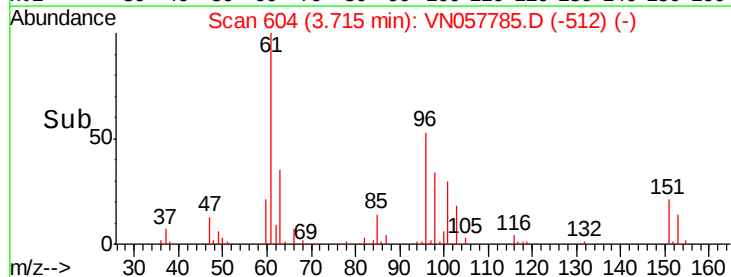
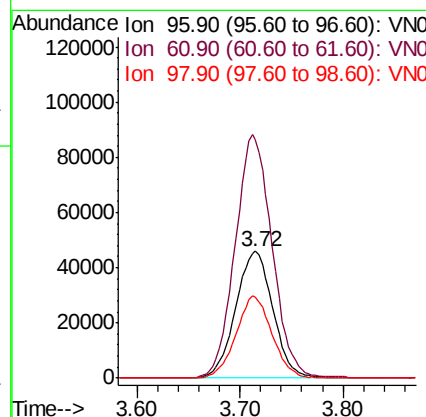
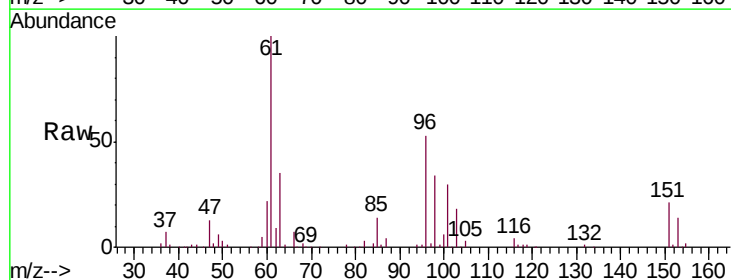
Tgt Ion: 59 Resp: 121180
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.9 13.3

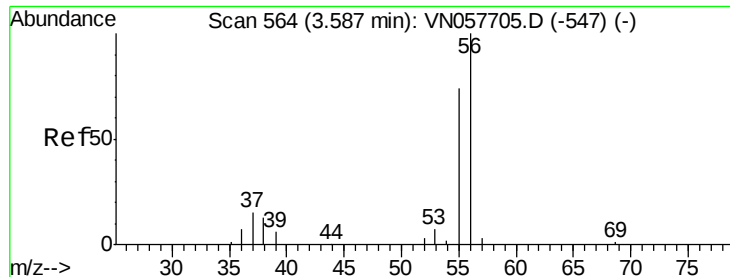


#12

1,1-Dichloroethene
 Concen: 46.750 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

Tgt Ion: 96 Resp: 115235
 Ion Ratio Lower Upper
 96 100
 61 188.3 158.7 238.1
 98 63.4 53.8 80.8

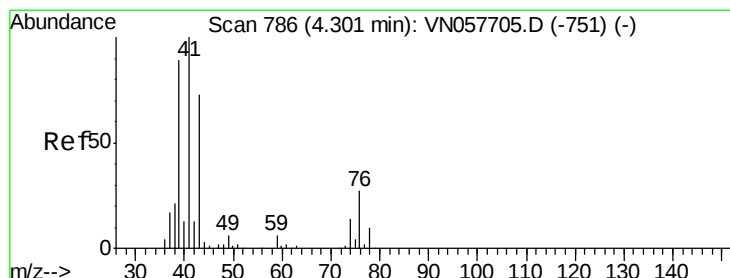
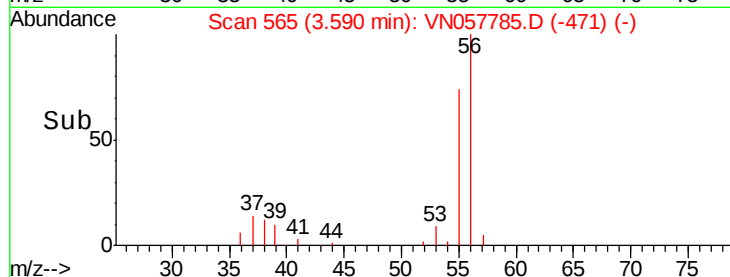
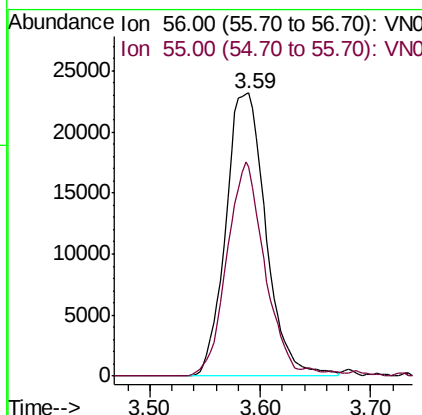
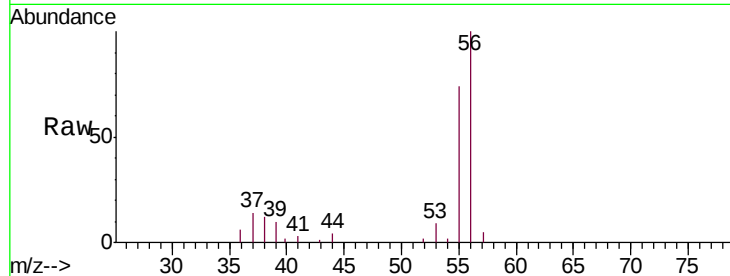




#13
 Acrolein
 Concen: 223.530 ug/l
 RT: 3.59 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

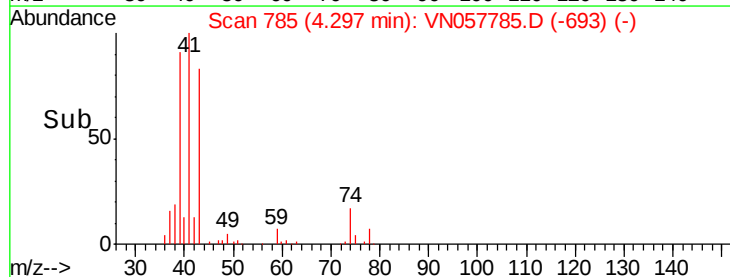
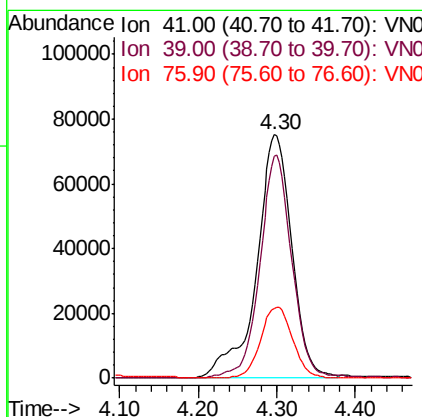
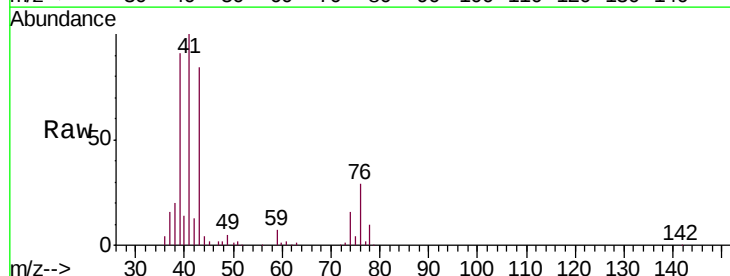
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

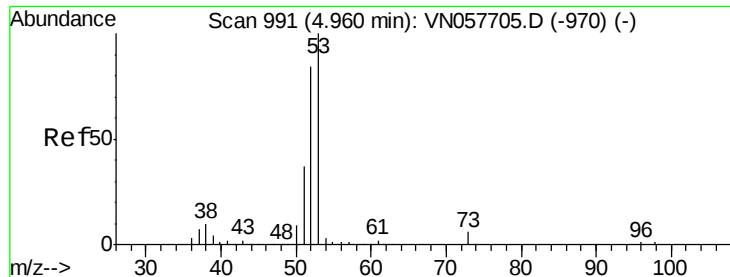
Tgt Ion: 56 Resp: 58439
 Ion Ratio Lower Upper
 56 100
 55 70.4 55.4 83.0



#14
 Allyl chloride
 Concen: 42.105 ug/l
 RT: 4.30 min Scan# 785
 Delta R.T. -0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

Tgt Ion: 41 Resp: 237169
 Ion Ratio Lower Upper
 41 100
 39 82.6 67.5 101.3
 76 26.6 21.4 32.2





#15

Acrylonitrile

Concen: 243.926 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

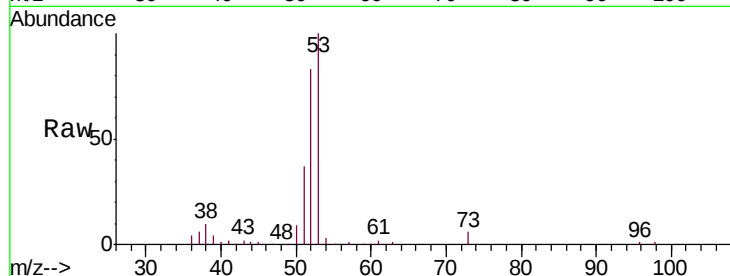
Tgt Ion: 53 Resp: 344749

Ion Ratio Lower Upper

53 100

52 82.1 68.1 102.1

51 38.5 30.4 45.6

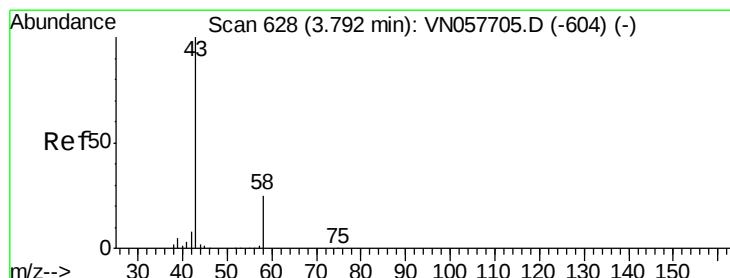
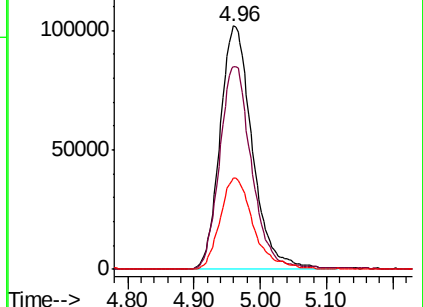
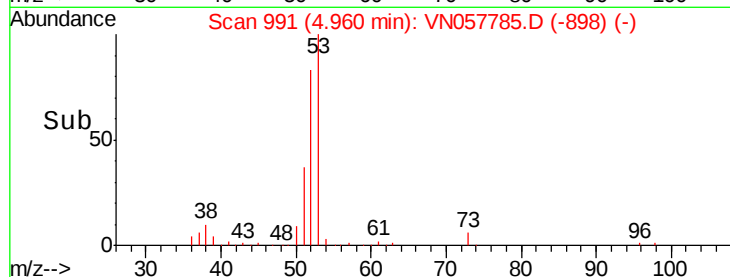


Abundance Ion 53.00 (52.70 to 53.70): VN057785.D (-970) (-)

Ion 52.00 (51.70 to 52.70): VN057785.D (-970) (-)

Ion 51.00 (50.70 to 51.70): VN057785.D (-970) (-)

Time-->



#16

Acetone

Concen: 224.615 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN057785.D

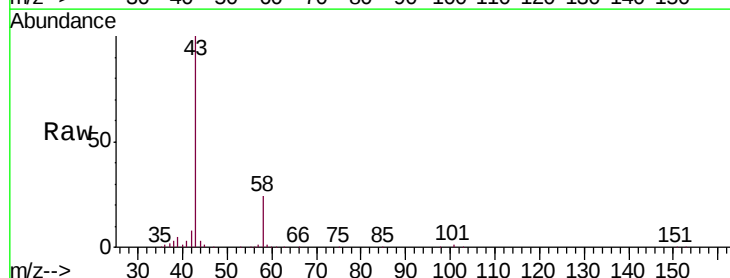
Acq: 8 Sep 2019 3:57

Tgt Ion: 43 Resp: 334441

Ion Ratio Lower Upper

43 100

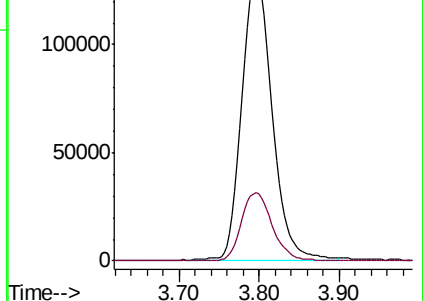
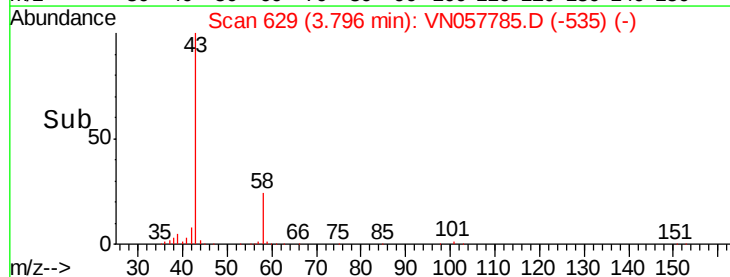
58 24.0 19.8 29.8

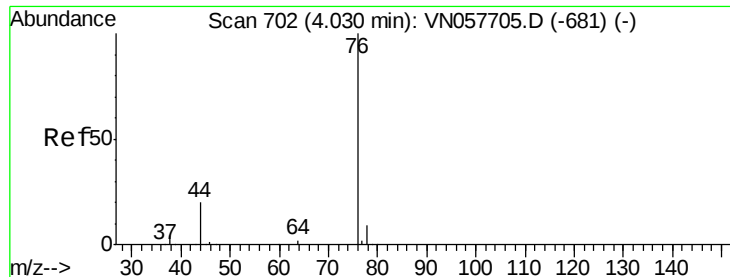


Abundance Ion 43.00 (42.70 to 43.70): VN057785.D (-535) (-)

Ion 58.00 (57.70 to 58.70): VN057785.D (-535) (-)

Time-->

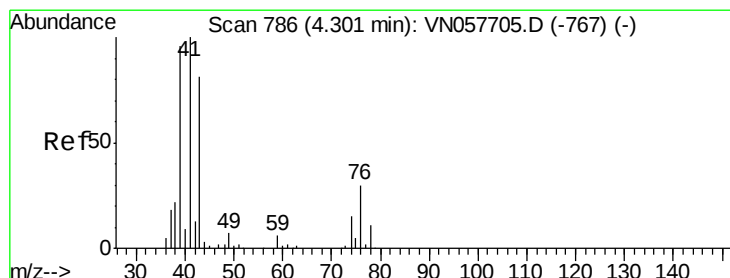
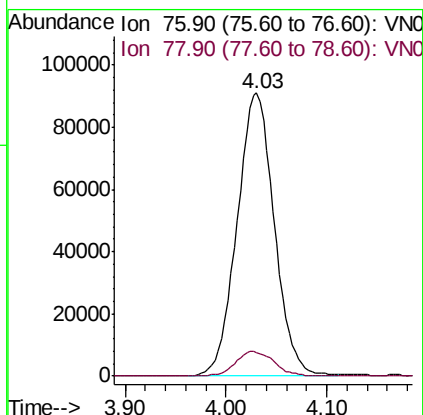
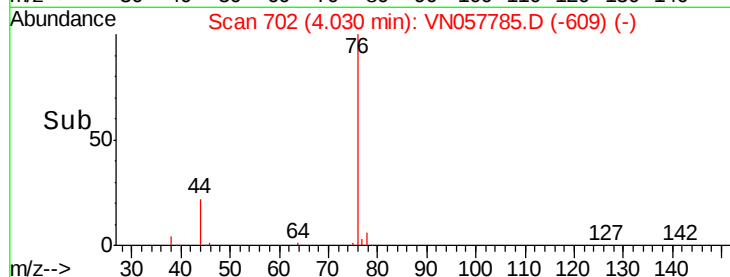
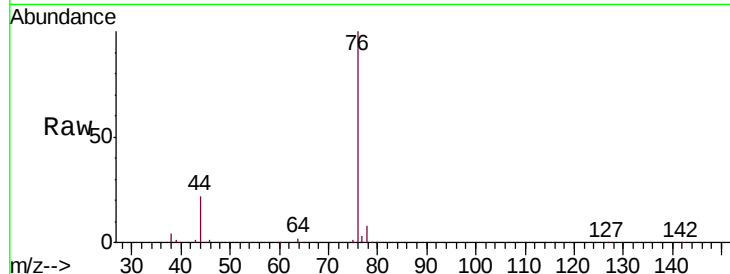




#17
Carbon Disulfide
Concen: 41.707 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

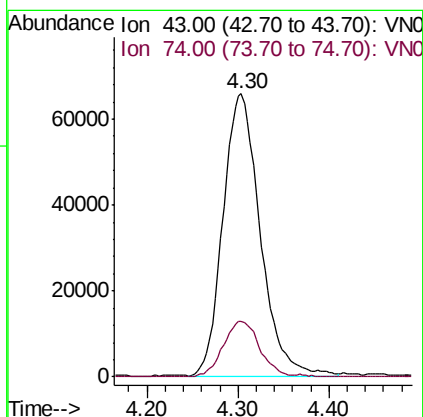
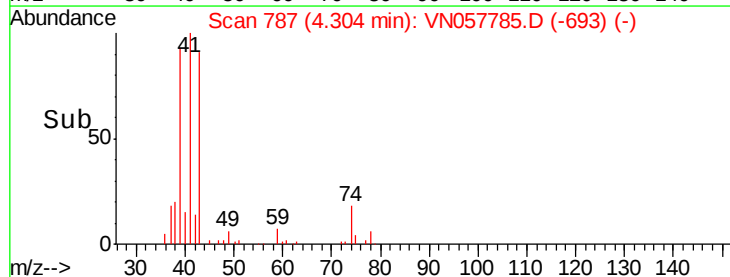
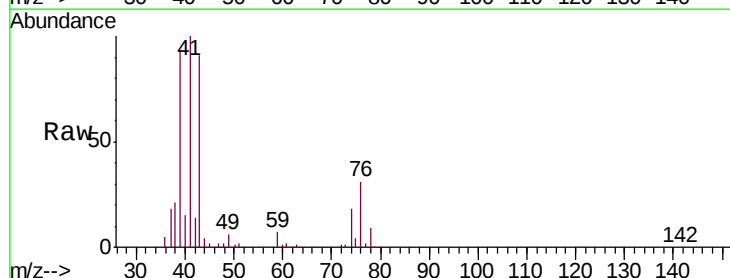
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

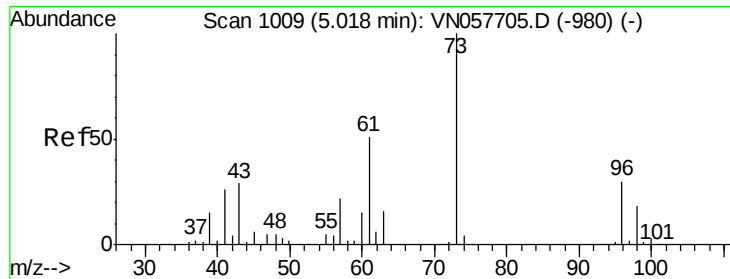
Tgt Ion: 76 Resp: 232918
Ion Ratio Lower Upper
76 100
78 8.4 7.0 10.6



#18
Methyl Acetate
Concen: 45.971 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Tgt Ion: 43 Resp: 186137
Ion Ratio Lower Upper
43 100
74 19.3 15.3 22.9

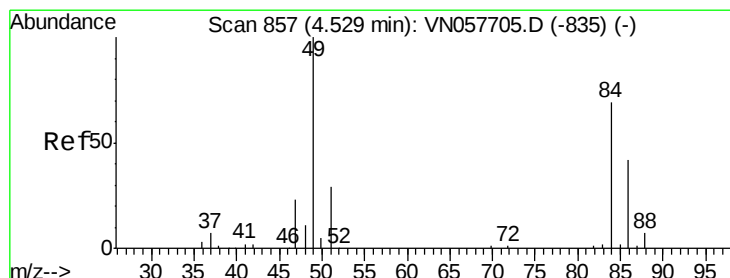
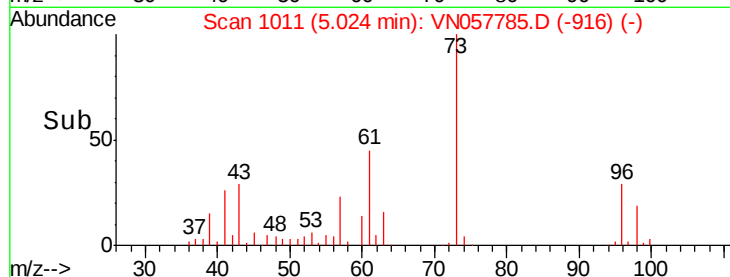
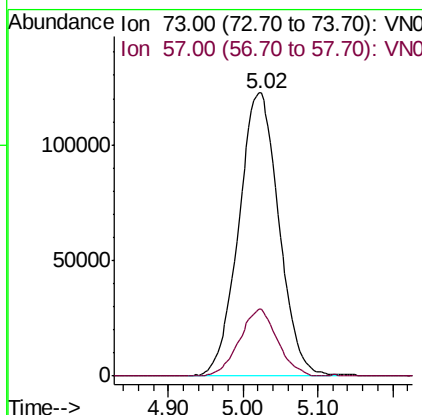
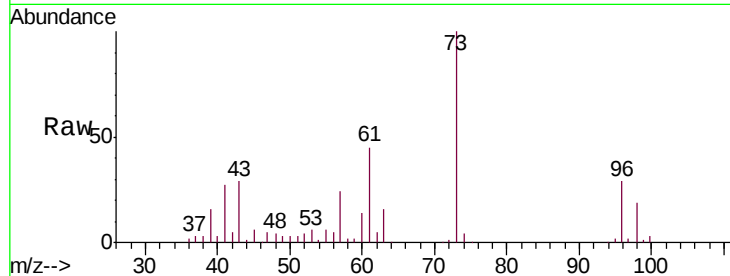




#19
Methyl tert-butyl Ether
Concen: 44.203 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

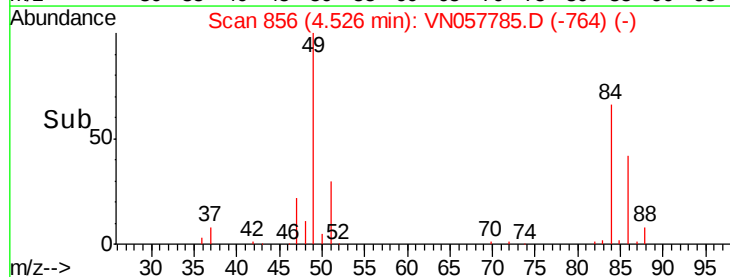
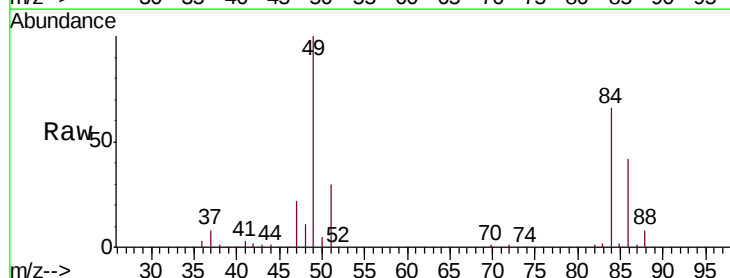
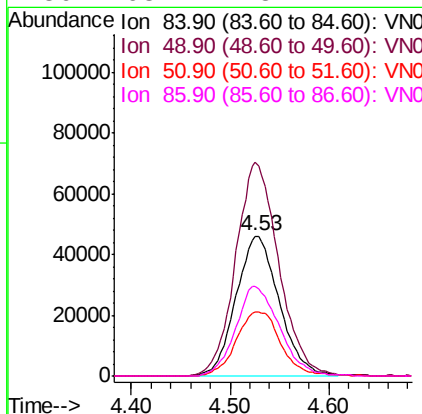
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

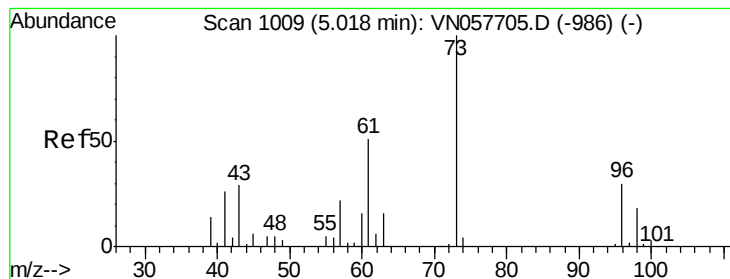
Tgt Ion: 73 Resp: 457430
Ion Ratio Lower Upper
73 100
57 23.5 17.7 26.5



#20
Methylene Chloride
Concen: 43.543 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Tgt Ion: 84 Resp: 140183
Ion Ratio Lower Upper
84 100
49 152.1 115.0 172.6
51 46.1 33.8 50.8
86 63.7 48.2 72.2



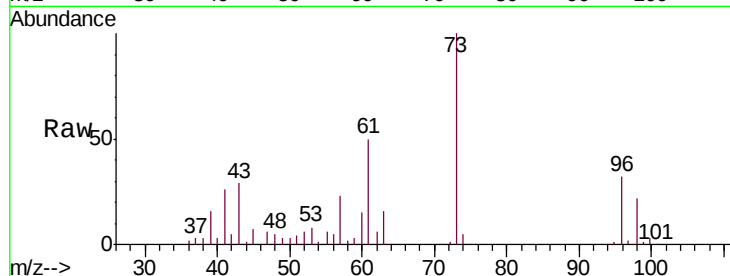


#21

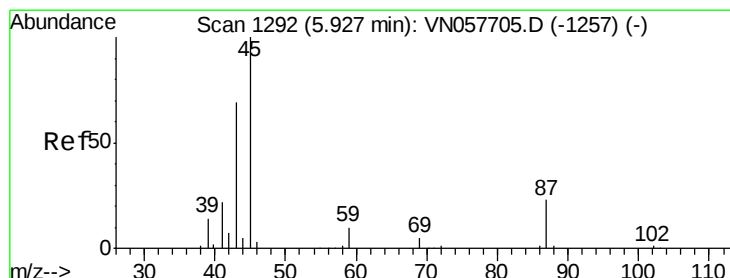
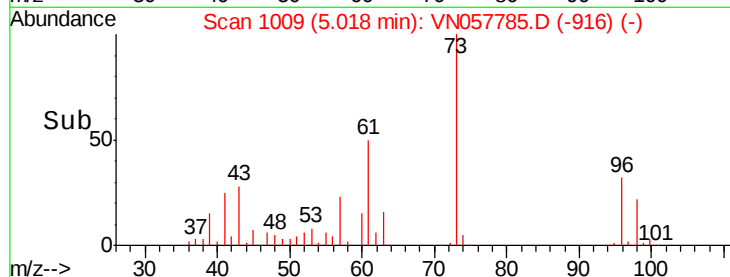
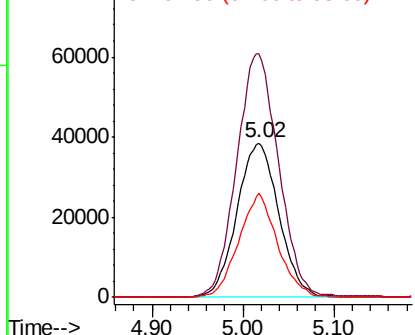
trans-1,2-Dichloroethene
Concen: 47.511 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 123231
Ion Ratio Lower Upper
96 100
61 157.5 135.8 203.8
98 67.5 49.0 73.6



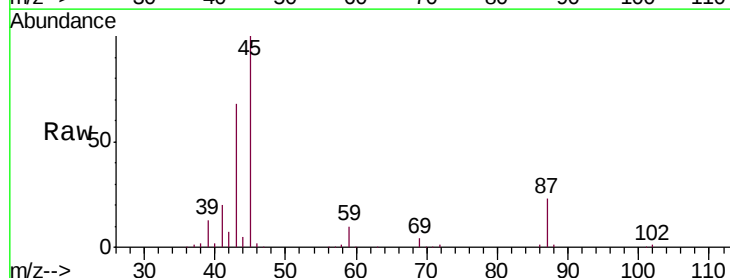
Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



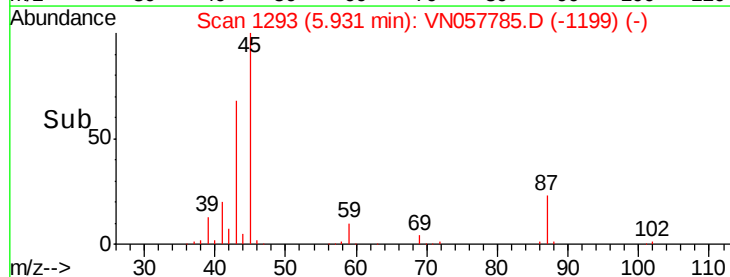
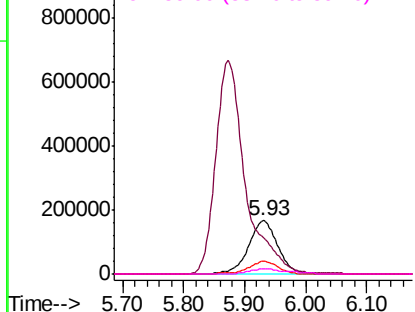
#22

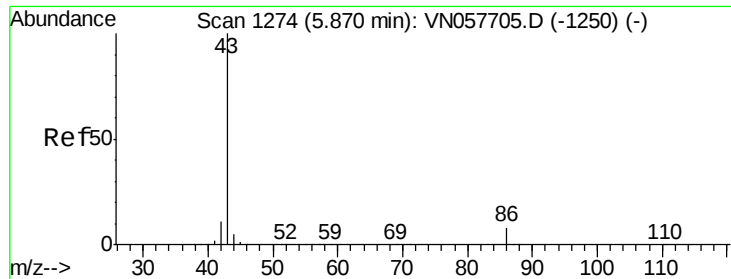
Diisopropyl ether
Concen: 46.440 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Tgt Ion: 45 Resp: 553363
Ion Ratio Lower Upper
45 100
43 67.6 55.5 83.3
87 23.3 18.6 28.0
59 9.7 7.9 11.9



Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO

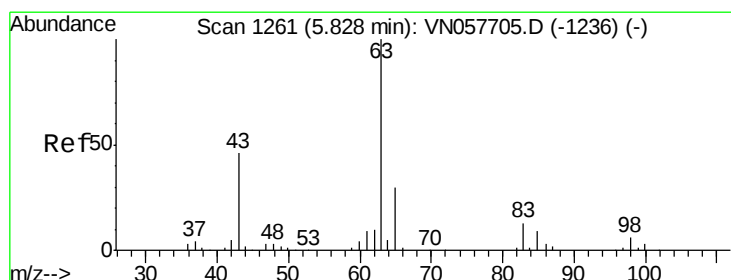
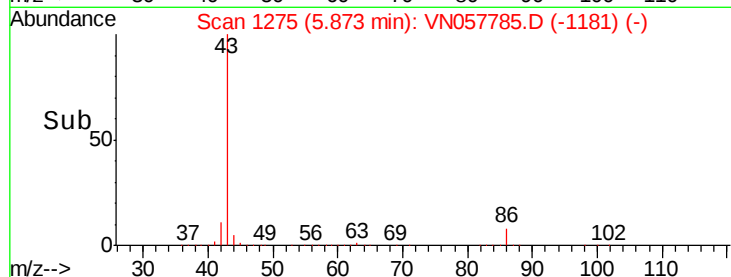
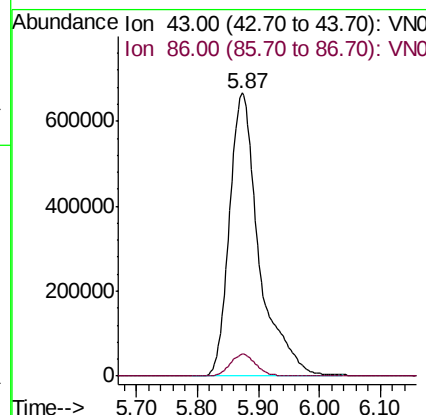
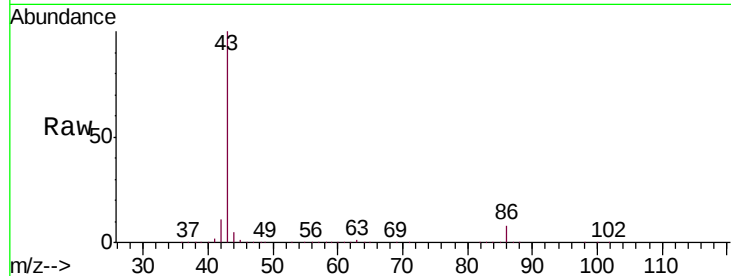




#23
 Vinyl Acetate
 Concen: 233.632 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

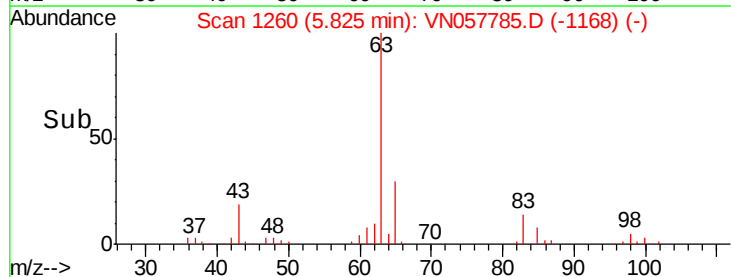
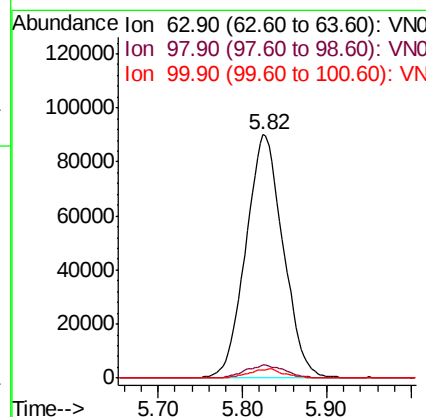
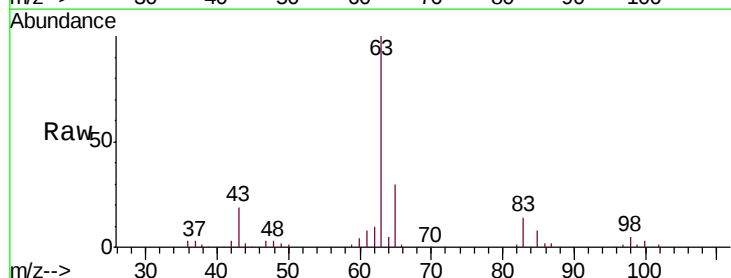
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

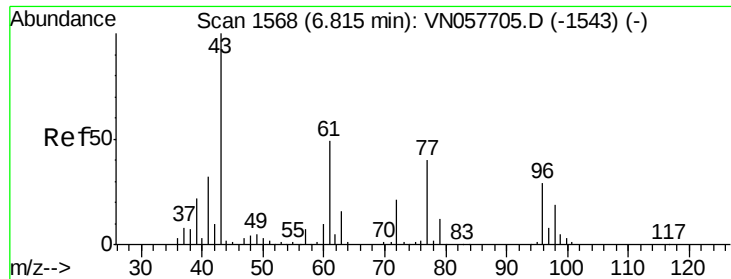
Tgt Ion: 43 Resp: 2253272
 Ion Ratio Lower Upper
 43 100
 86 7.8 6.2 9.4



#24
 1,1-Dichloroethane
 Concen: 45.344 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

Tgt Ion: 63 Resp: 277031
 Ion Ratio Lower Upper
 63 100
 98 5.2 2.9 8.8
 100 3.3 1.7 5.0

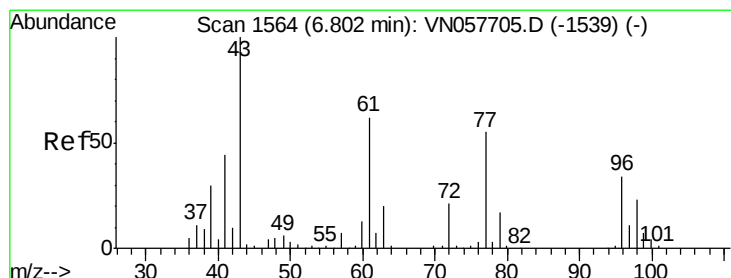
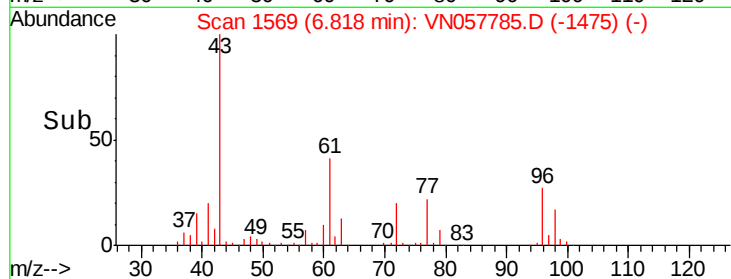
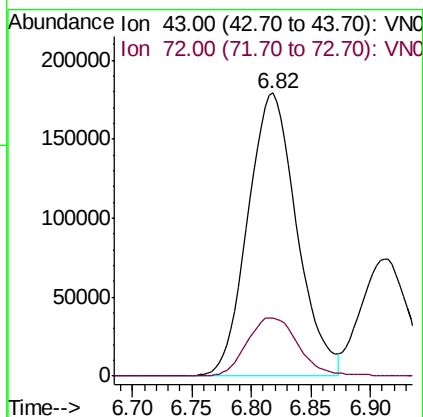
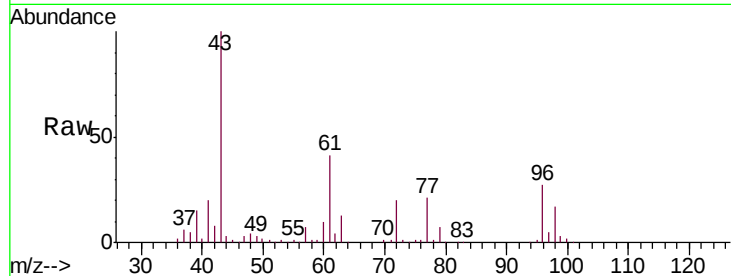




#25
2-Butanone
Concen: 238.709 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

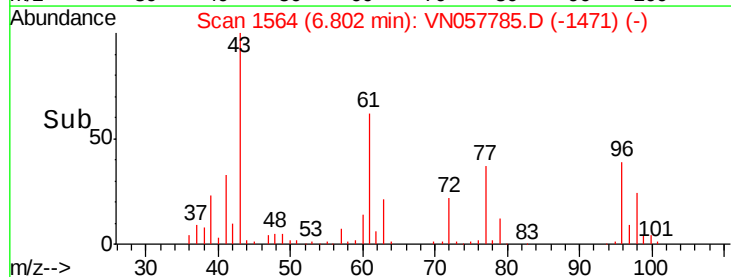
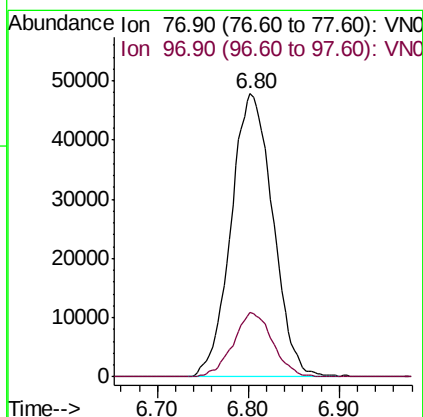
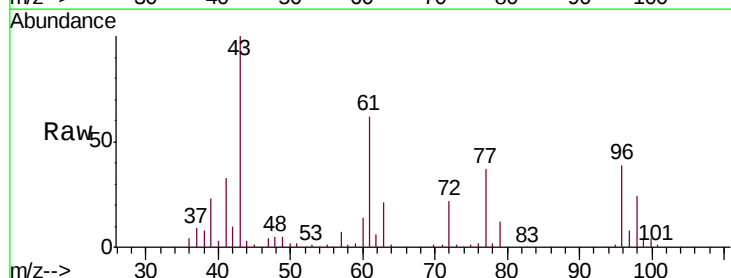
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

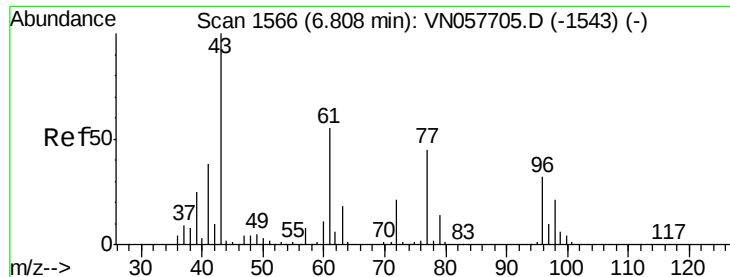
Tgt Ion: 43 Resp: 508998
Ion Ratio Lower Upper
43 100
72 20.4 17.0 25.6



#26
2,2-Dichloropropane
Concen: 29.955 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Tgt Ion: 77 Resp: 152679
Ion Ratio Lower Upper
77 100
97 21.4 10.1 30.1





#27

cis-1,2-Dichloroethene

Concen: 47.889 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

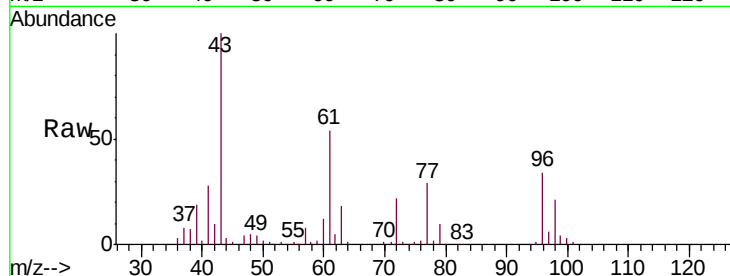
Tgt Ion: 96 Resp: 155909

Ion Ratio Lower Upper

96 100

61 161.0 0.0 360.6

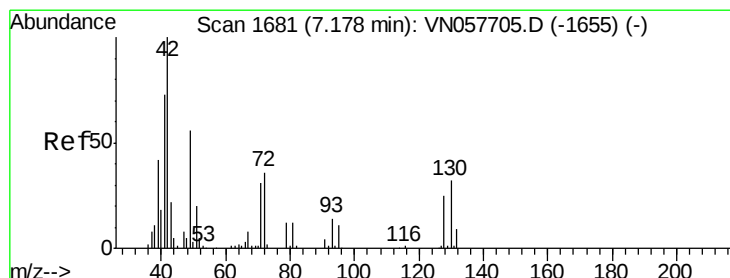
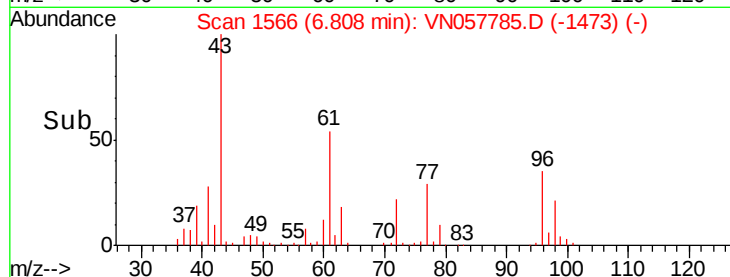
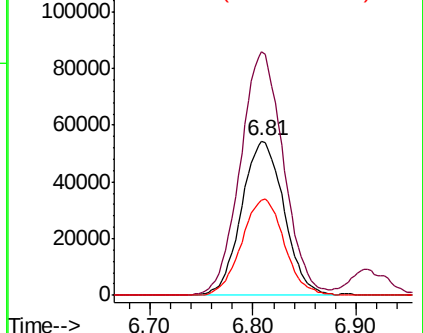
98 62.7 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN057705.D (-1543) (-)

Ion 60.90 (60.60 to 61.60): VN057705.D (-1543) (-)

Ion 97.90 (97.60 to 98.60): VN057705.D (-1543) (-)



#28

Bromochloromethane

Concen: 48.939 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

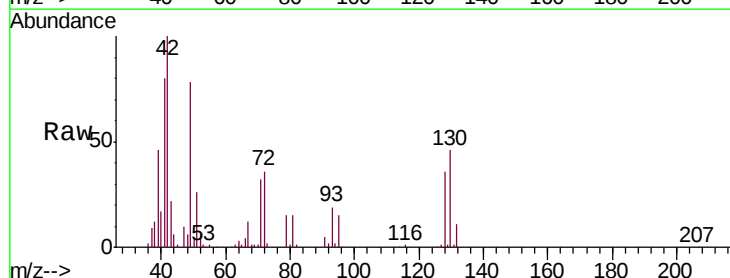
Tgt Ion: 49 Resp: 156442

Ion Ratio Lower Upper

49 100

129 2.1 0.0 2.4

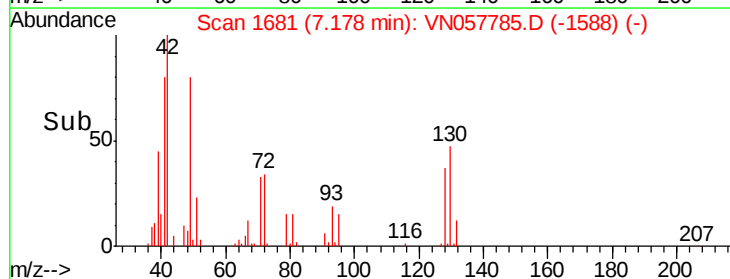
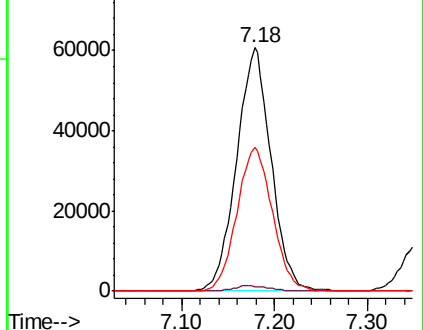
130 60.6 45.8 68.8

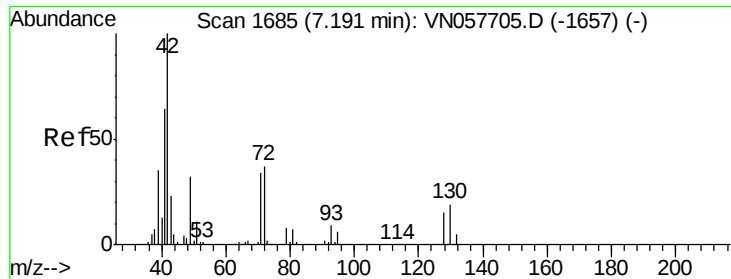


Abundance Ion 48.90 (48.60 to 49.60): VN057705.D (-1655) (-)

Ion 128.80 (128.50 to 129.50): VN057705.D (-1655) (-)

Ion 129.80 (129.50 to 130.50): VN057705.D (-1655) (-)

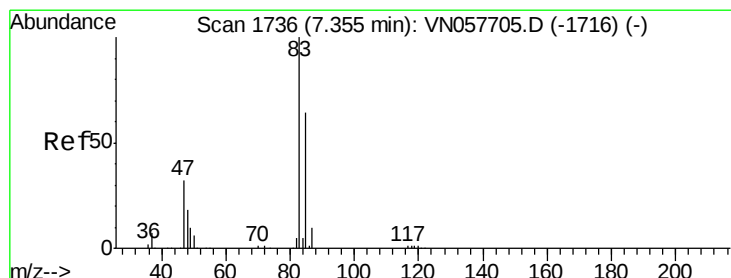
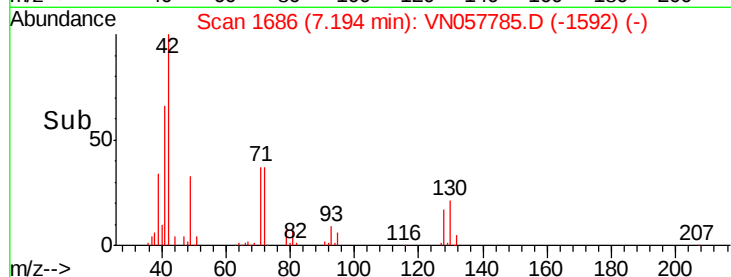
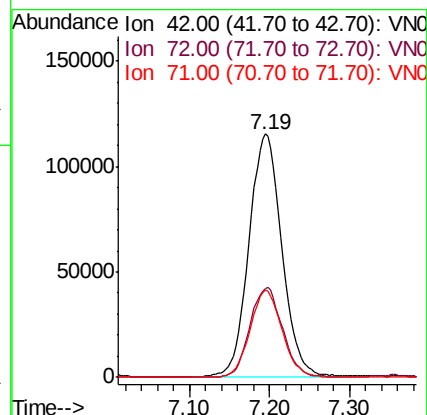
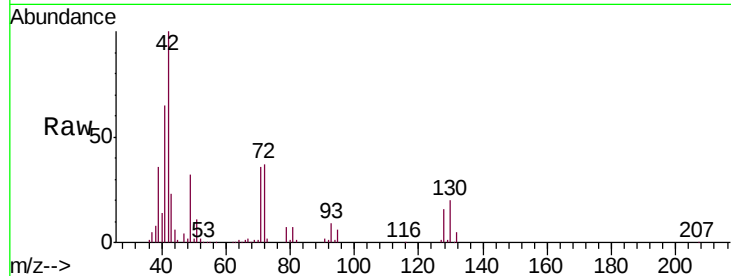




#29
Tetrahydrofuran
Concen: 235.818 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

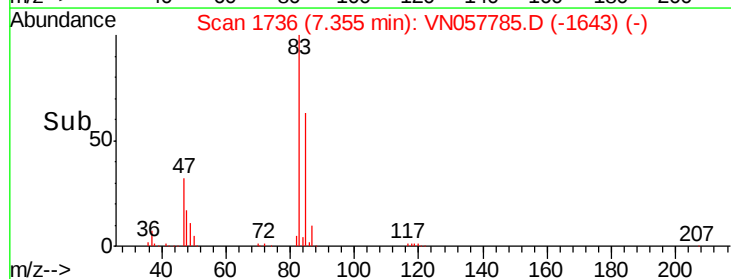
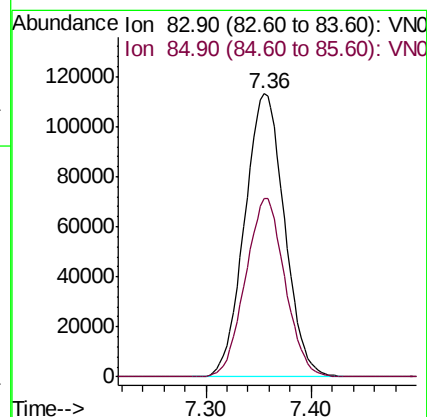
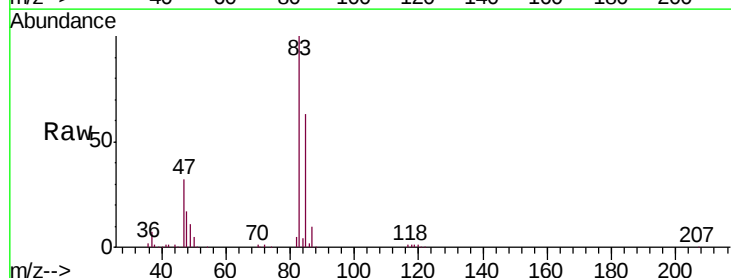
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

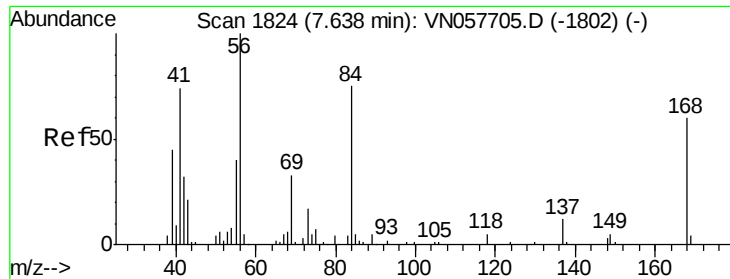
Tgt Ion: 42 Resp: 324276
Ion Ratio Lower Upper
42 100
72 36.5 29.2 43.8
71 34.7 27.0 40.4



#30
Chloroform
Concen: 46.766 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Tgt Ion: 83 Resp: 297726
Ion Ratio Lower Upper
83 100
85 63.0 51.3 76.9

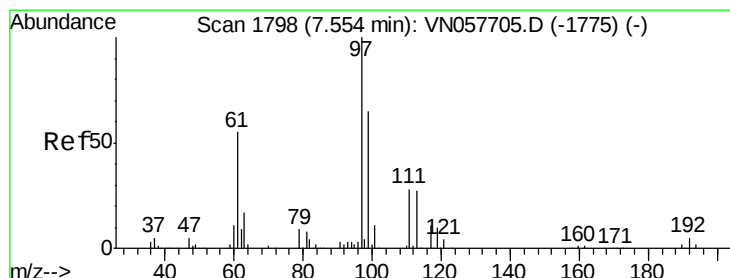
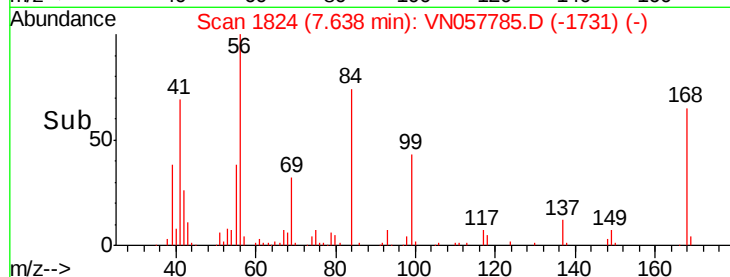
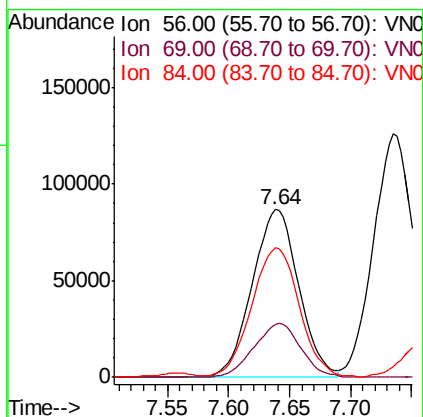
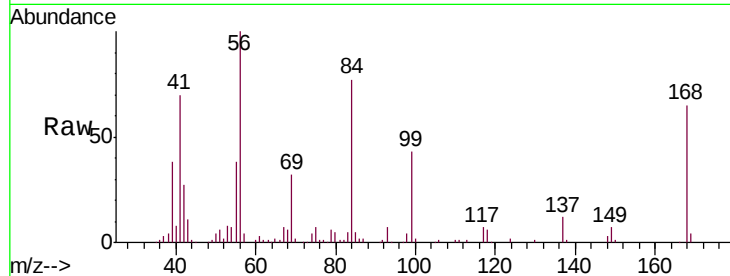




#31
Cyclohexane
Concen: 42.358 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

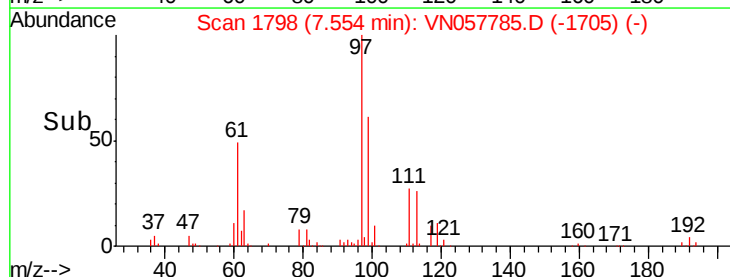
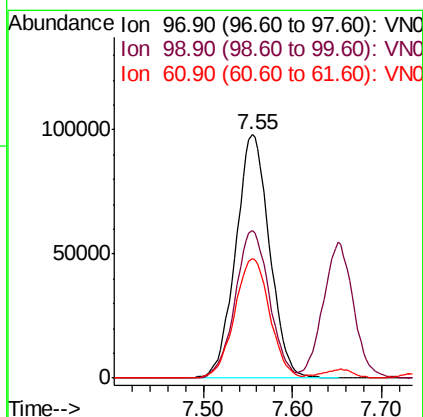
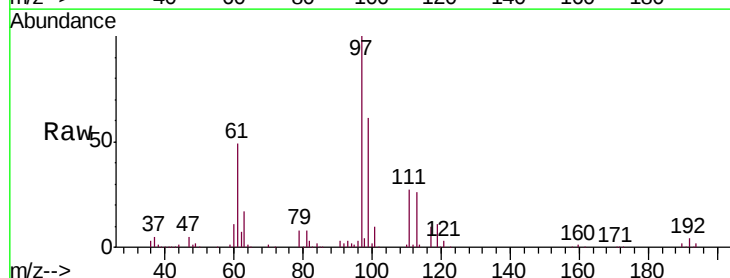
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

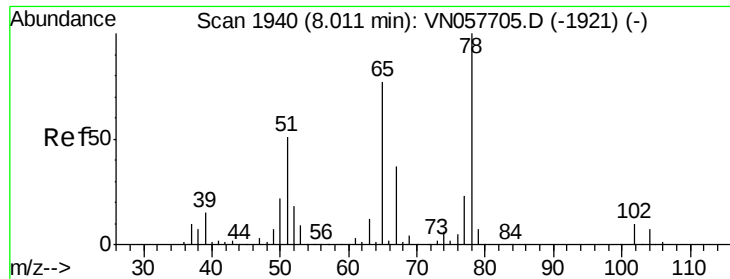
Tgt Ion: 56 Resp: 230029
Ion Ratio Lower Upper
56 100
69 31.6 26.2 39.2
84 75.4 59.8 89.8



#32
1,1,1-Trichloroethane
Concen: 48.569 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Tgt Ion: 97 Resp: 257554
Ion Ratio Lower Upper
97 100
99 61.4 51.2 76.8
61 50.7 42.8 64.2

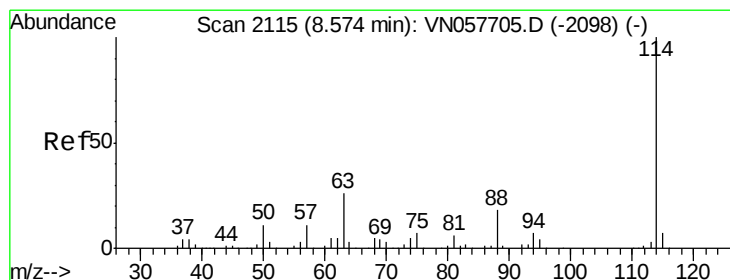
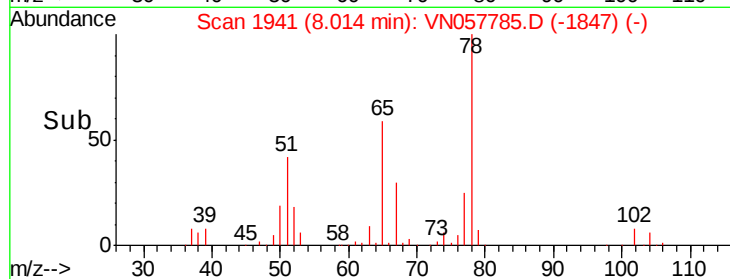
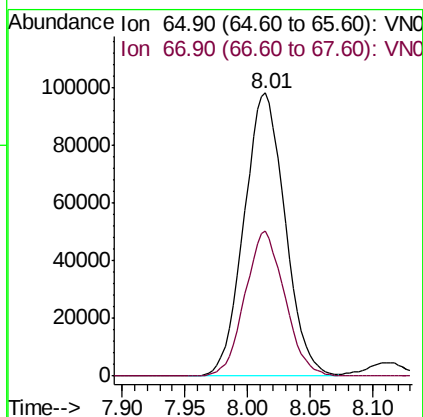
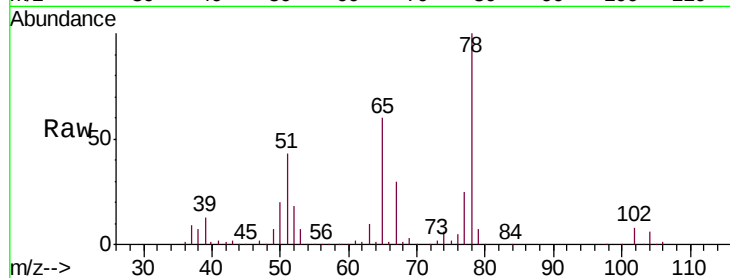




#33
 1,2-Dichloroethane-d4
 Concen: 46.368 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

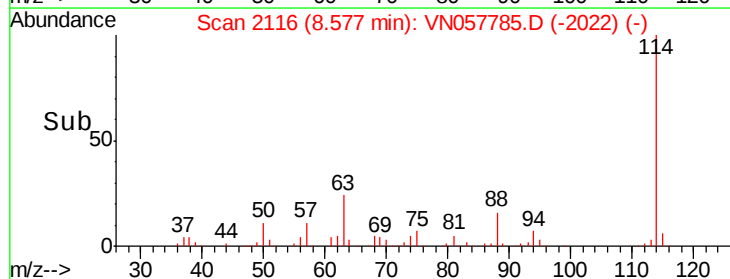
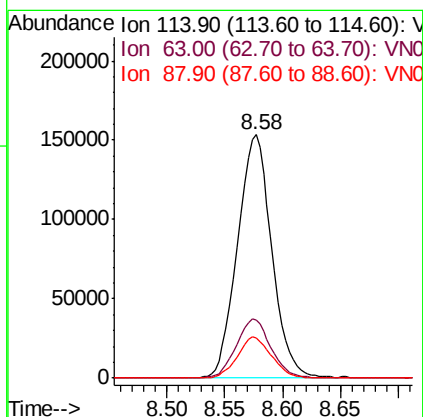
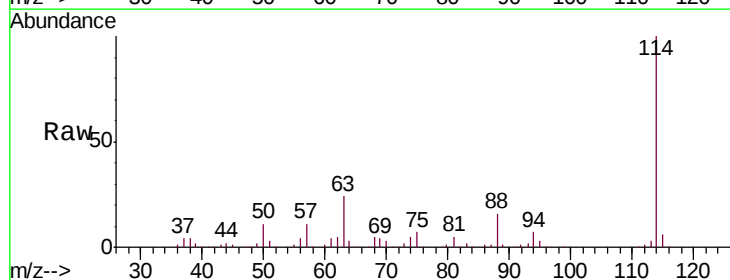
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

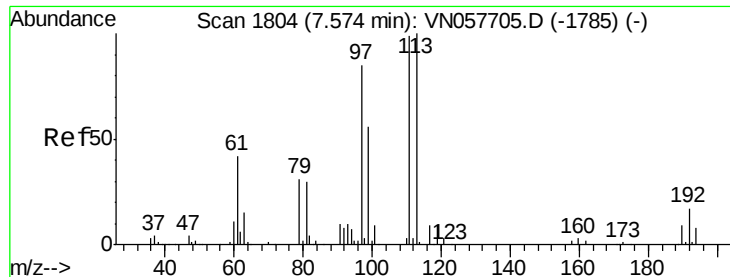
Tgt Ion: 65 Resp: 224348
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 98.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

Tgt Ion: 114 Resp: 314579
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 52.4
 88 16.4 0.0 35.4





#35

Dibromofluoromethane

Concen: 51.685 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

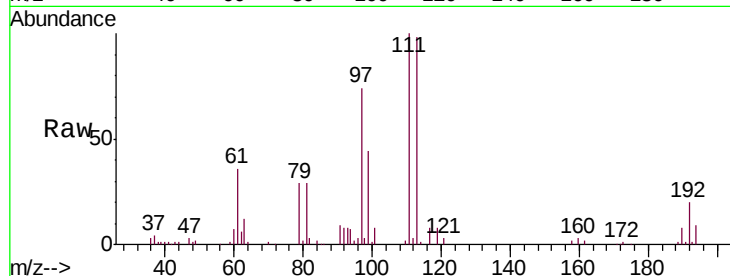
Tgt Ion: 113 Resp: 148095

Ion Ratio Lower Upper

113 100

111 103.8 82.7 124.1

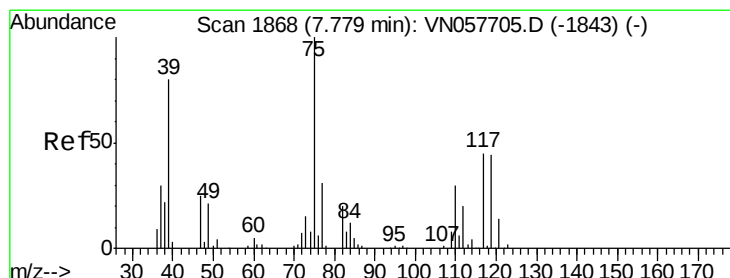
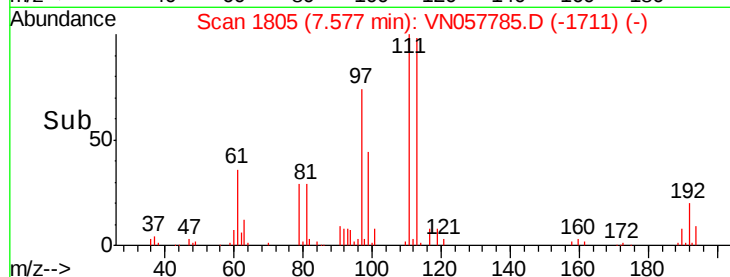
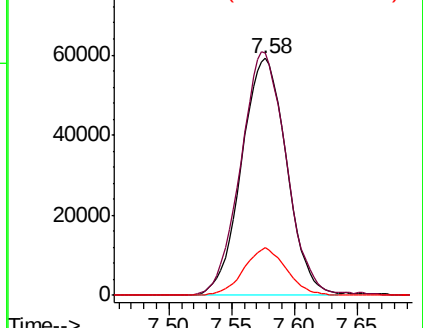
192 19.0 13.8 20.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.022 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

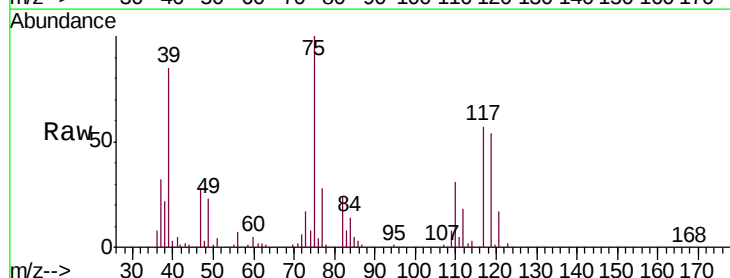
Tgt Ion: 75 Resp: 196786

Ion Ratio Lower Upper

75 100

110 31.2 15.0 45.0

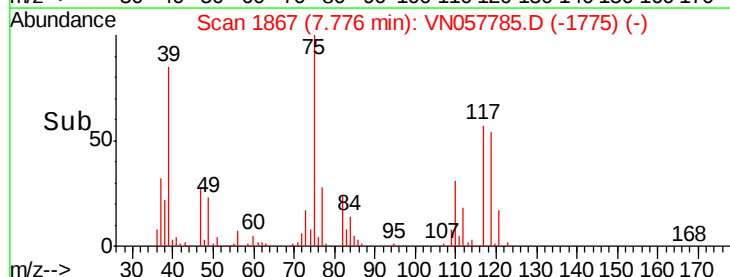
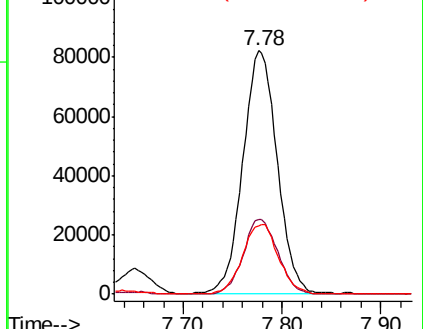
77 30.1 24.6 37.0

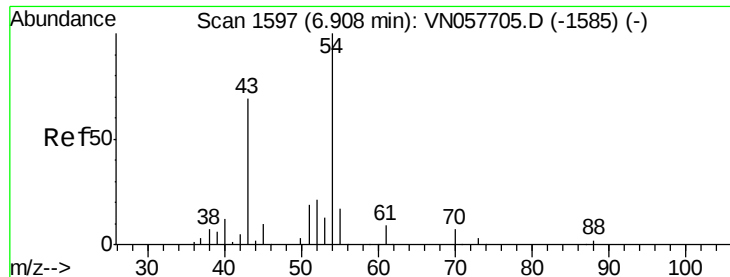


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

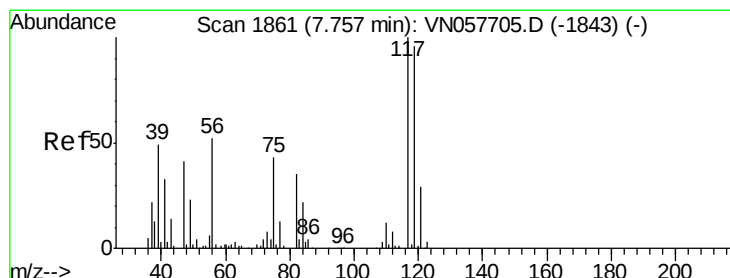
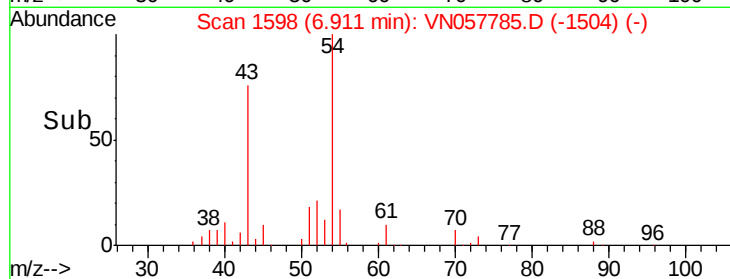
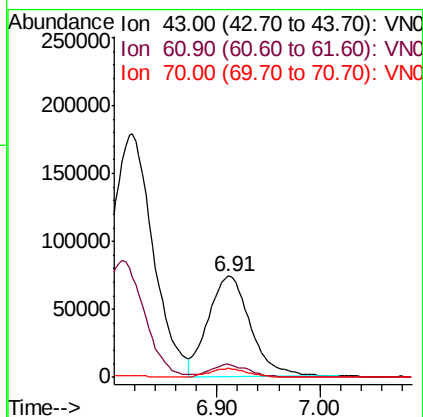
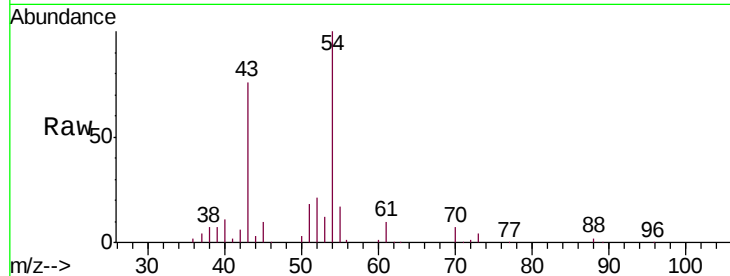




#37
 Ethyl Acetate
 Concen: 50.770 ug/l
 RT: 6.91 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

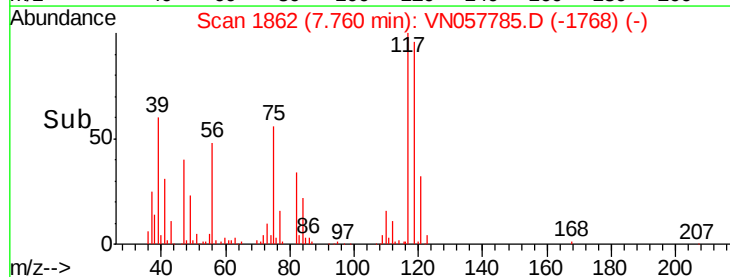
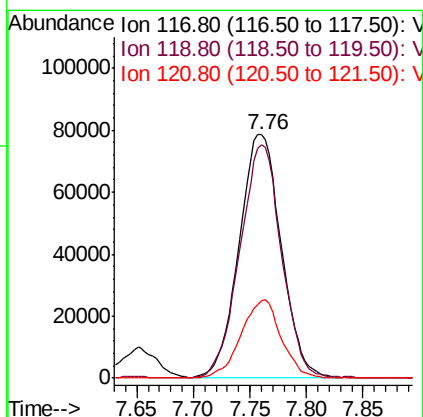
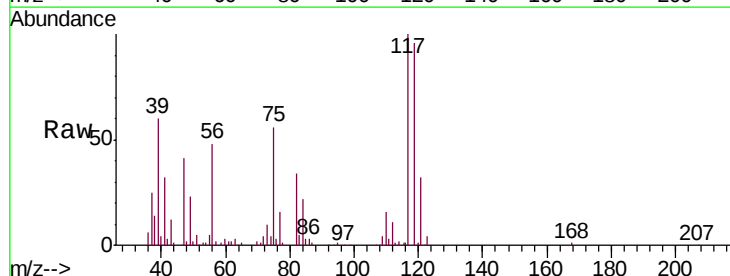
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

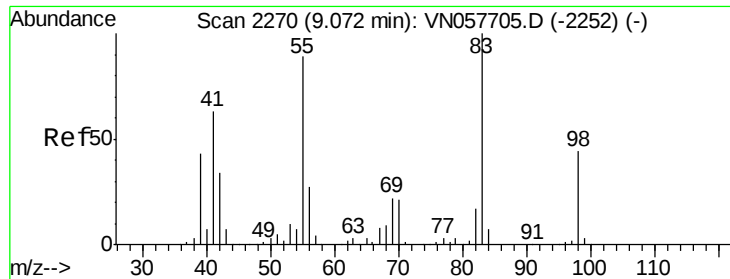
Tgt Ion: 43 Resp: 210937
 Ion Ratio Lower Upper
 43 100
 61 11.3 9.8 14.8
 70 8.3 6.7 10.1



#38
 Carbon Tetrachloride
 Concen: 50.577 ug/l
 RT: 7.76 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

Tgt Ion: 117 Resp: 202673
 Ion Ratio Lower Upper
 117 100
 119 96.2 76.1 114.1
 121 31.9 23.4 35.2

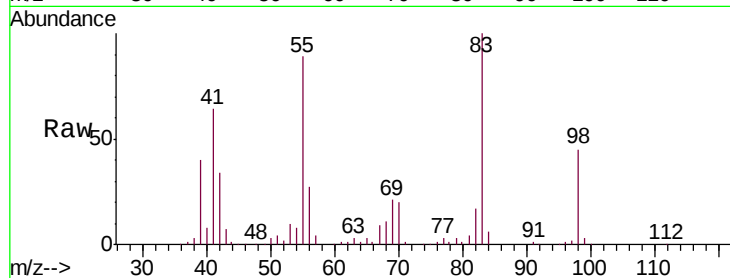




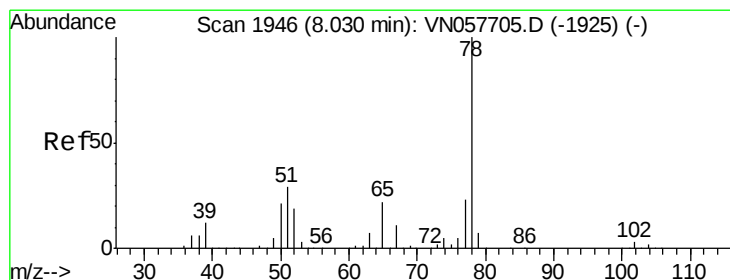
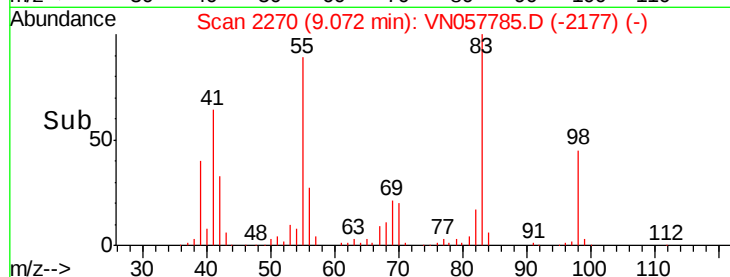
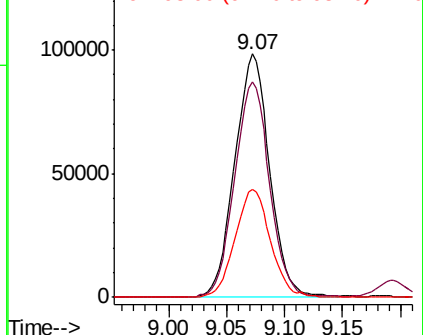
#39
Methylcyclohexane
Concen: 46.544 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 206029
Ion Ratio Lower Upper
83 100
55 88.4 71.4 107.0
98 44.6 35.3 52.9

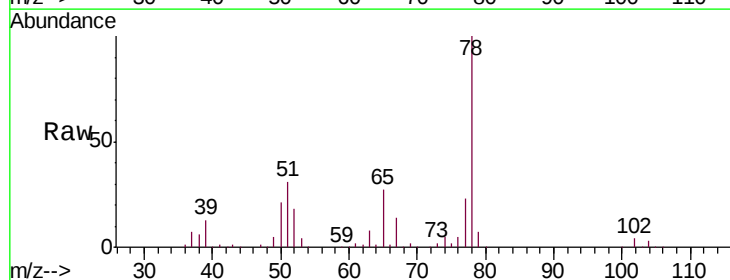


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

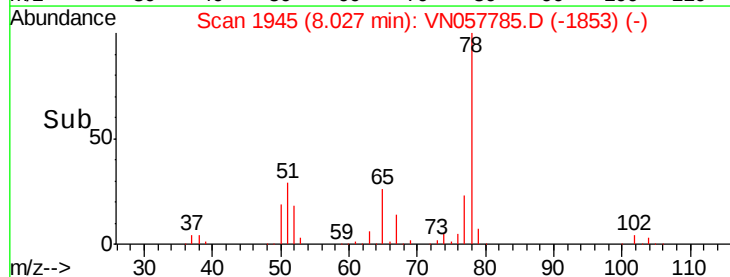
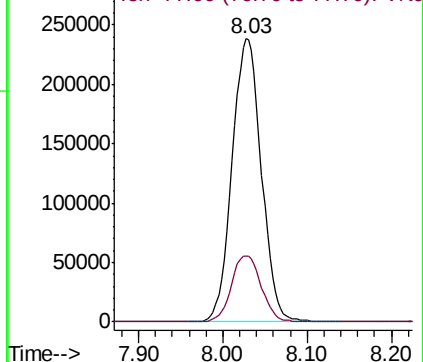


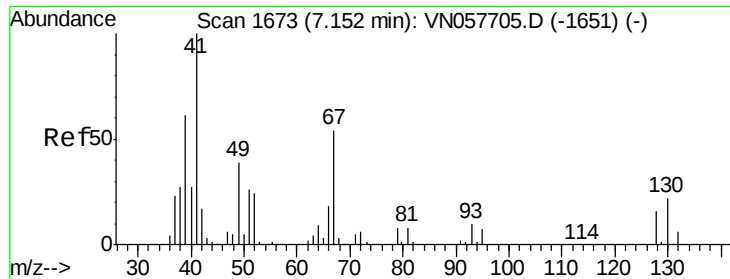
#40
Benzene
Concen: 48.679 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Tgt Ion: 78 Resp: 576227
Ion Ratio Lower Upper
78 100
77 23.4 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

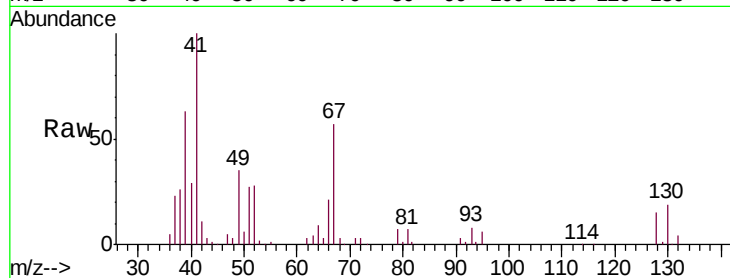




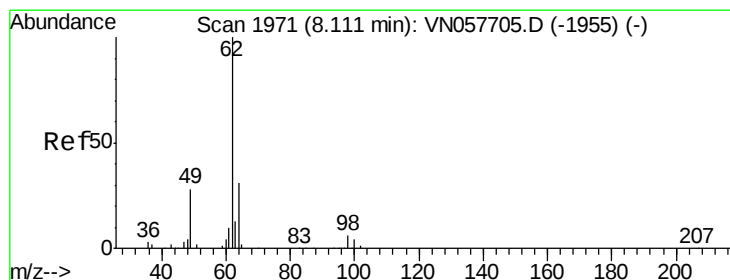
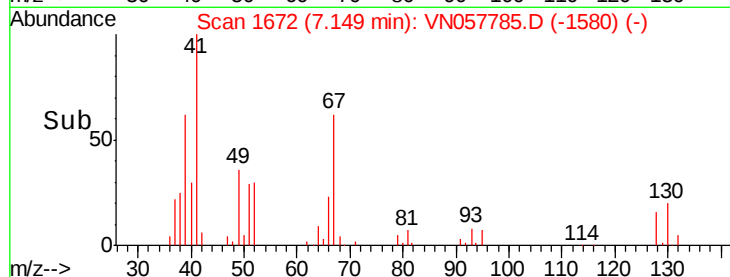
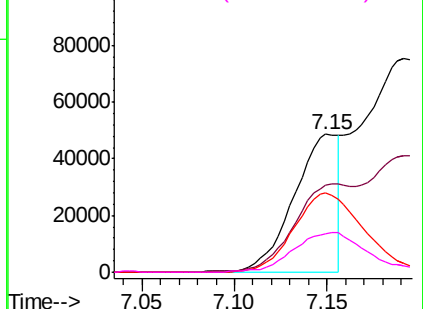
#41
Methacrylonitrile
Concen: 39.972 ug/l
RT: 7.15 min Scan# 1672
Delta R.T. -0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 81181
Ion Ratio Lower Upper
41 100
39 85.3 43.6 65.4#
67 91.0 59.8 89.6#
52 47.7 30.7 46.1#

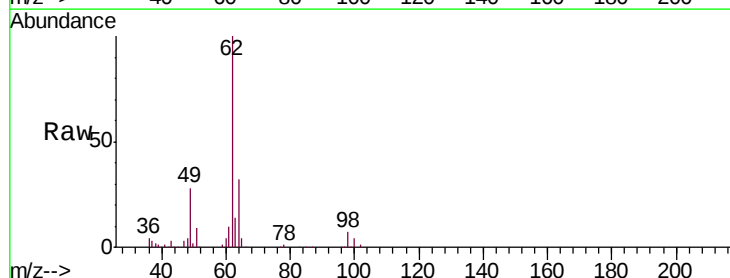


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

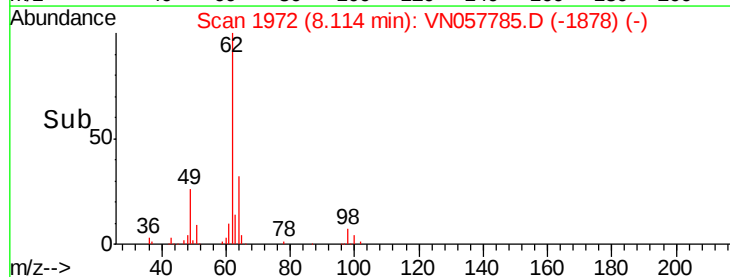
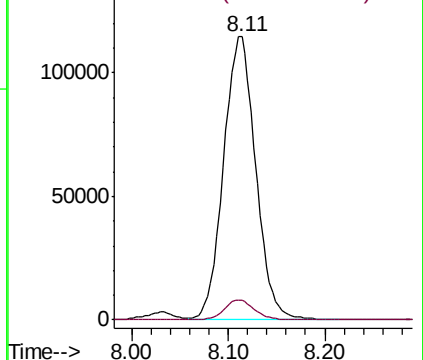


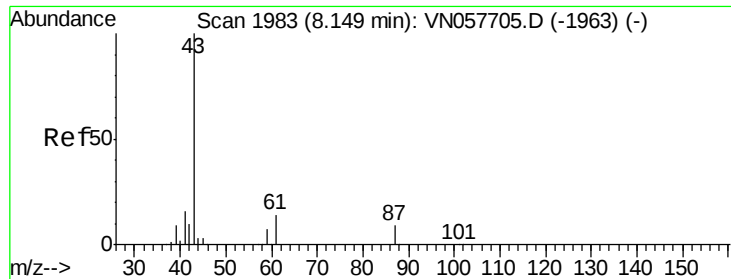
#42
1,2-Dichloroethane
Concen: 47.509 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Tgt Ion: 62 Resp: 263602
Ion Ratio Lower Upper
62 100
98 6.6 0.0 12.6



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





#43

Isopropyl Acetate

Concen: 48.416 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

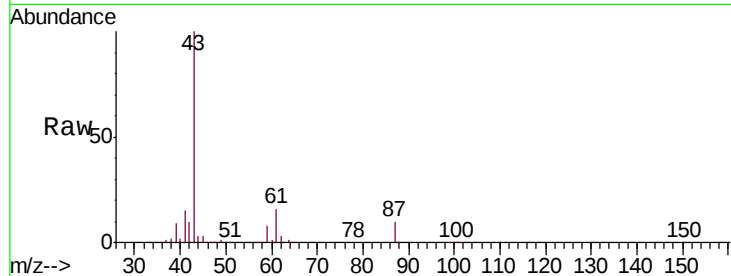
Tgt Ion: 43 Resp: 386109

Ion Ratio Lower Upper

43 100

61 15.6 12.8 19.2

87 10.2 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VN057705.D (-1963) (-)

Ion 61.00 (60.70 to 61.70): VN057705.D (-1963) (-)

Ion 87.00 (86.70 to 87.70): VN057705.D (-1963) (-)

8.15

200000

150000

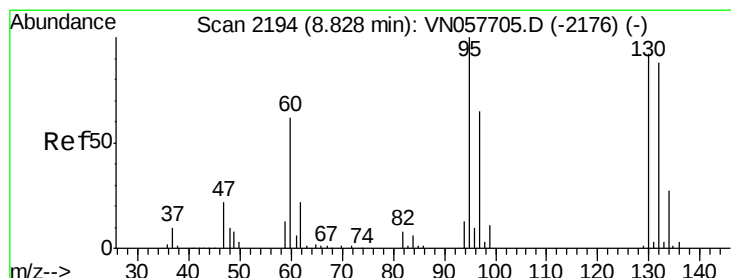
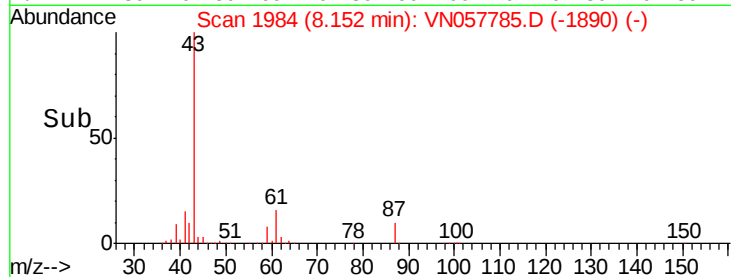
100000

50000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 52.736 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN057785.D

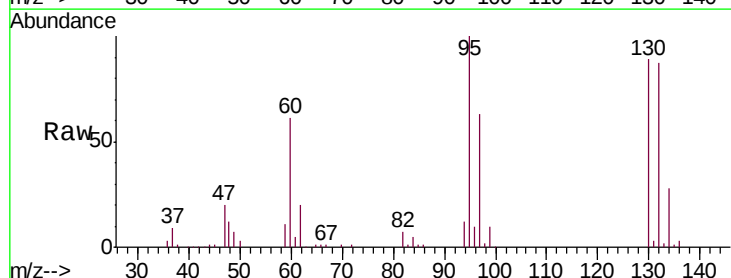
Acq: 8 Sep 2019 3:57

Tgt Ion: 130 Resp: 140299

Ion Ratio Lower Upper

130 100

95 112.4 0.0 217.8



Abundance Ion 129.80 (129.50 to 130.50): VN057705.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN057705.D (-2176) (-)

8.83

80000

60000

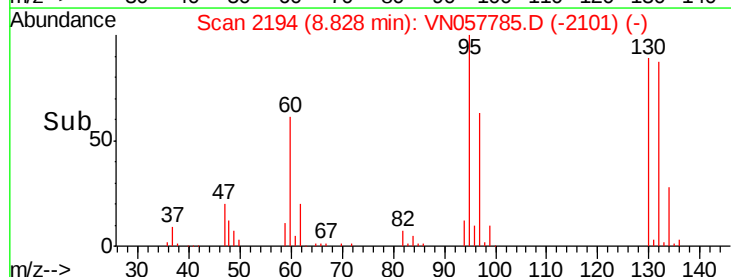
40000

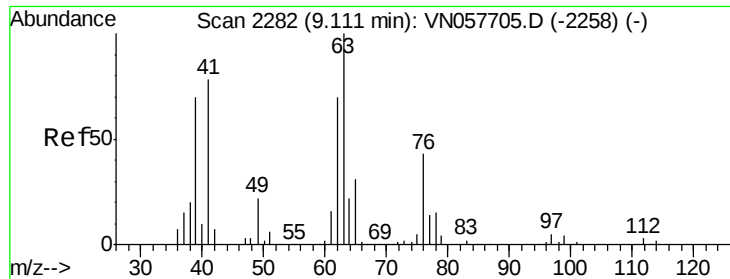
20000

0

8.80 8.83 8.86 8.89

Time-->

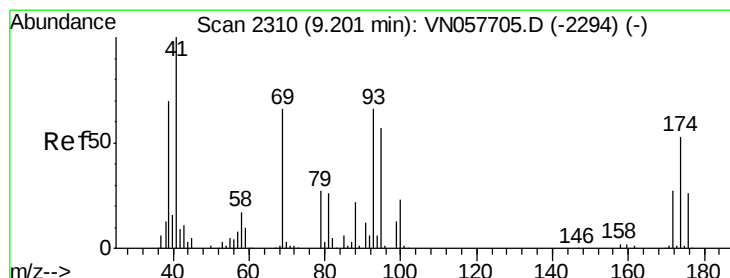
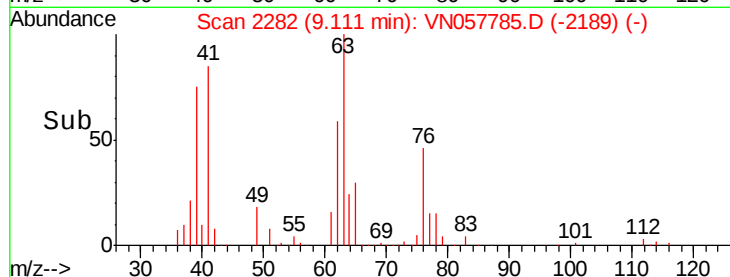
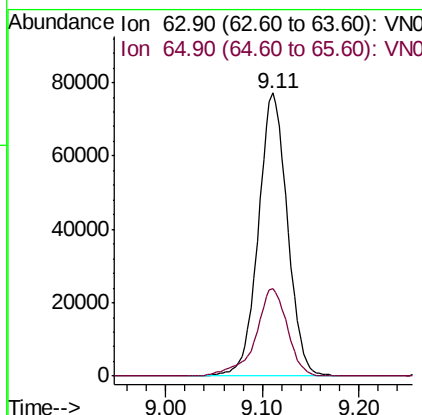
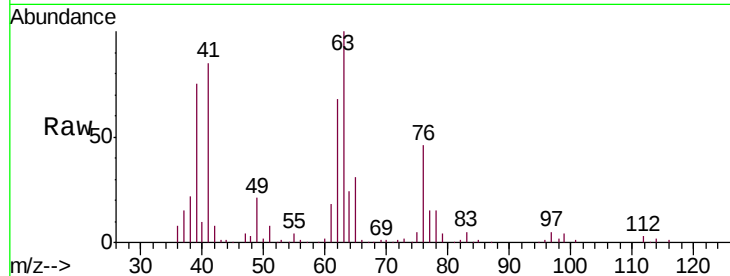




#45
 1,2-Dichloropropane
 Concen: 48.629 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

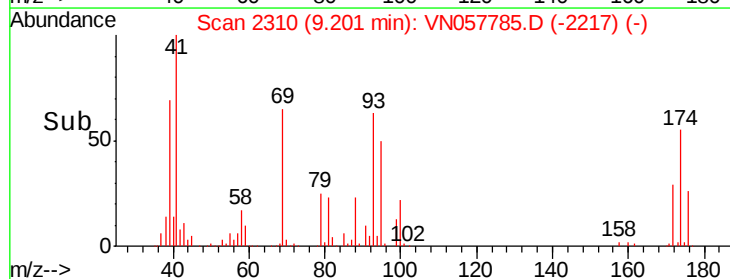
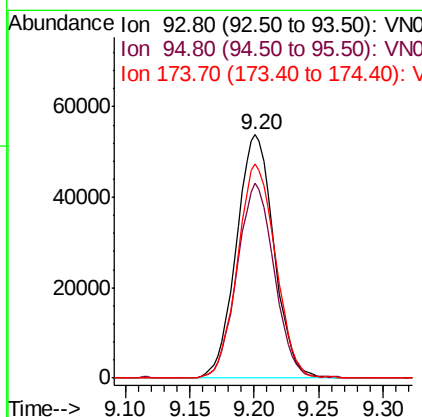
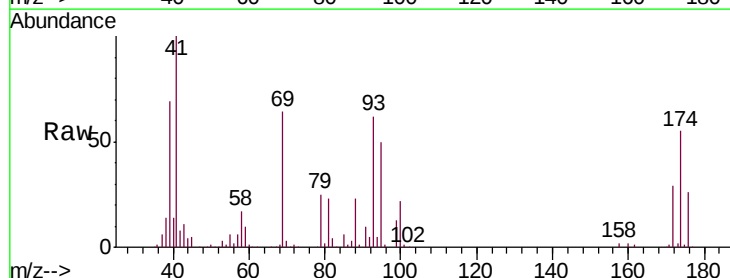
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

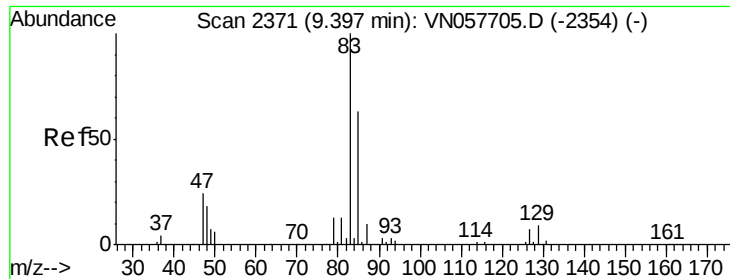
Tgt Ion: 63 Resp: 160992
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.5 36.7



#46
 Dibromomethane
 Concen: 51.490 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

Tgt Ion: 93 Resp: 109345
 Ion Ratio Lower Upper
 93 100
 95 79.1 66.1 99.1
 174 88.6 63.4 95.2





#47

Bromodichloromethane

Concen: 50.127 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

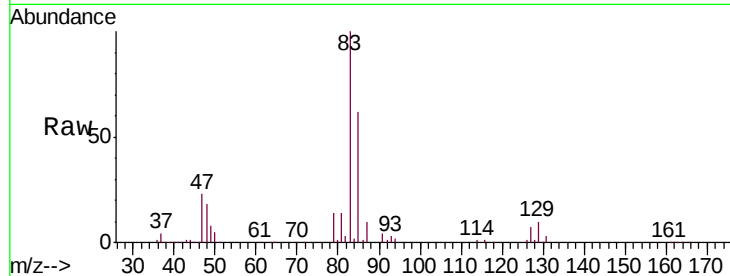
Tgt Ion: 83 Resp: 226230

Ion Ratio Lower Upper

83 100

85 61.8 50.7 76.1

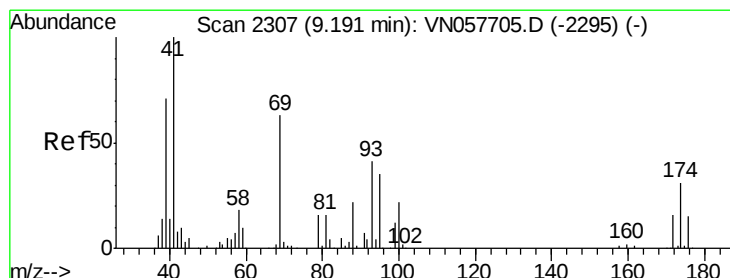
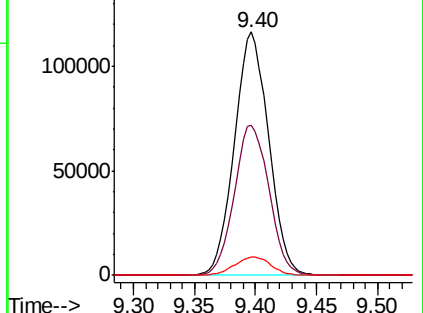
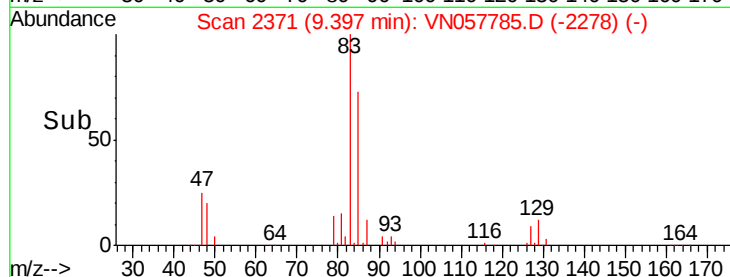
127 7.4 5.6 8.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 47.454 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

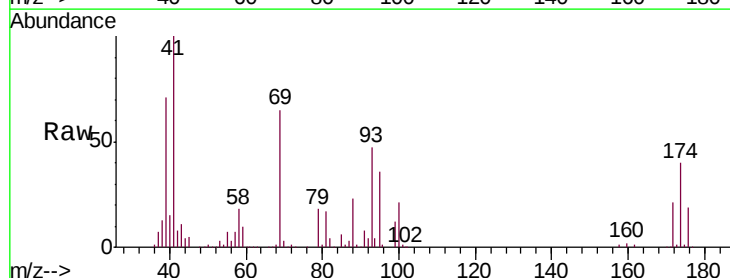
Tgt Ion: 41 Resp: 194628

Ion Ratio Lower Upper

41 100

69 66.5 51.2 76.8

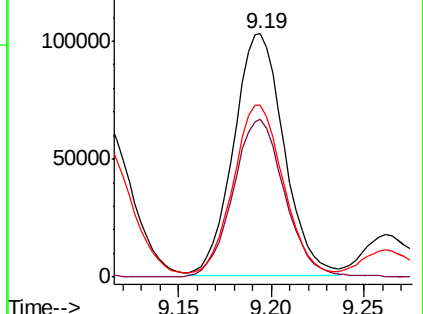
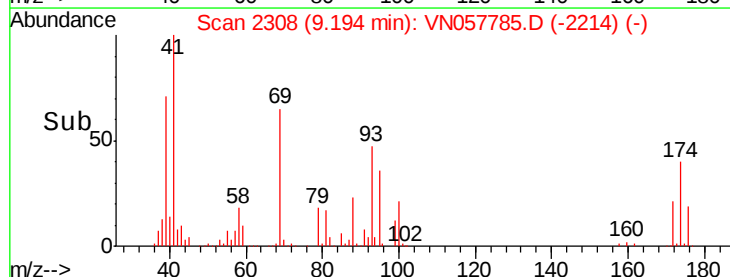
39 71.0 57.3 85.9

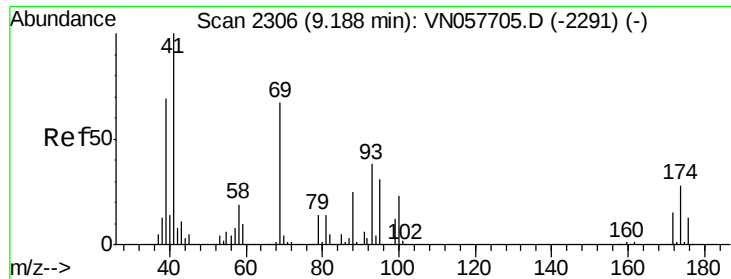


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 1021.927 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.01 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

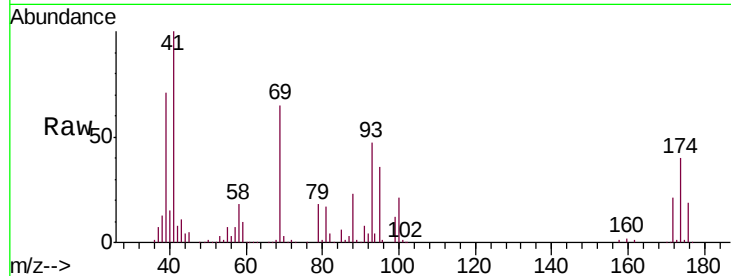
Tgt Ion: 88 Resp: 48767

Ion Ratio Lower Upper

88 100

43 45.7 35.4 53.2

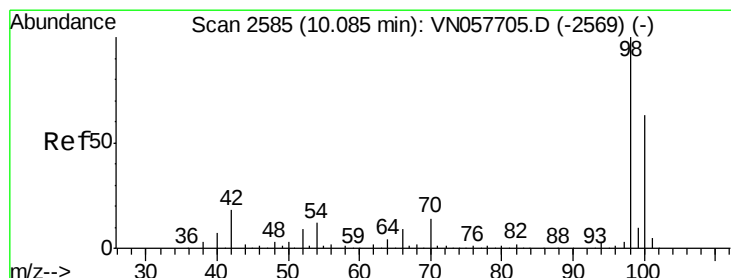
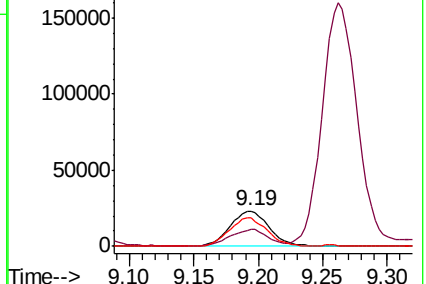
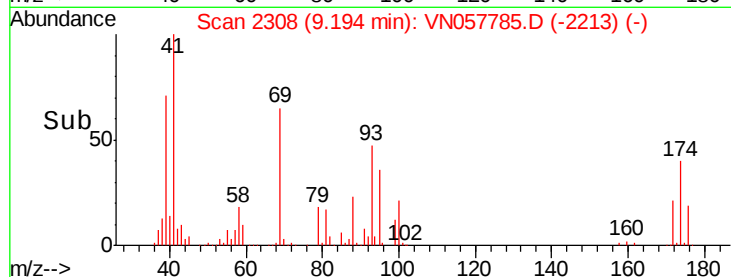
58 78.9 61.5 92.3



Abundance Ion 88.00 (87.70 to 88.70): VN057705.D (-2291) (-)

Ion 43.00 (42.70 to 43.70): VN057705.D (-2291) (-)

Ion 58.00 (57.70 to 58.70): VN057705.D (-2291) (-)



#50

Toluene-d8

Concen: 51.366 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057785.D

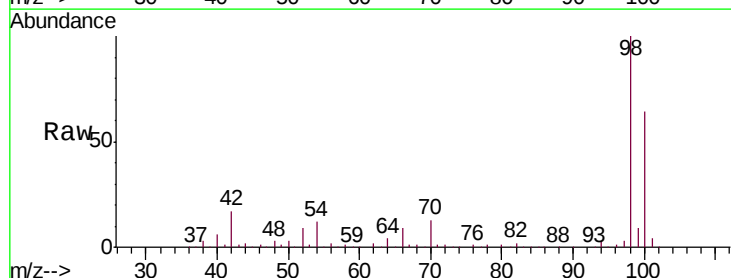
Acq: 8 Sep 2019 3:57

Tgt Ion: 98 Resp: 544462

Ion Ratio Lower Upper

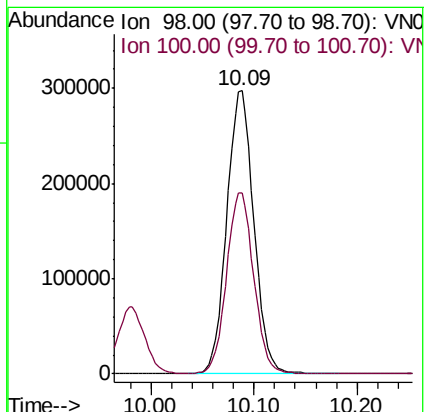
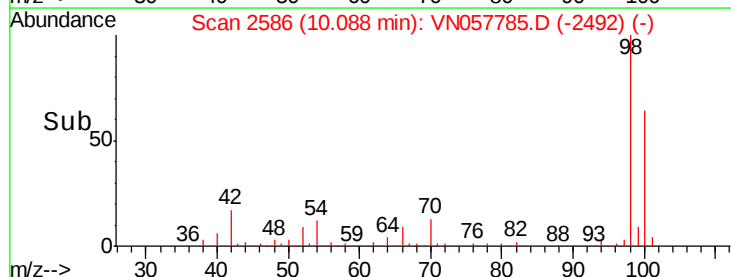
98 100

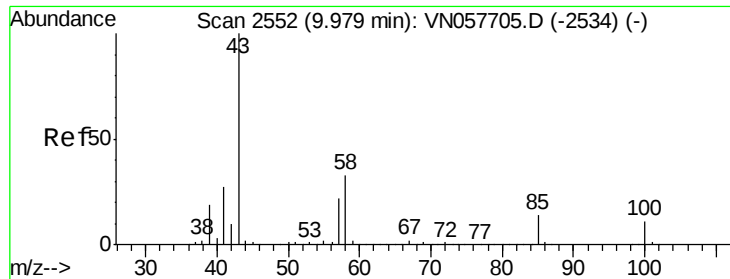
100 64.5 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN057705.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN057705.D (-2569) (-)





#51

4-Methyl-2-Pentanone

Concen: 260.556 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Instrument :

MSVOA_N

ClientSampleId :

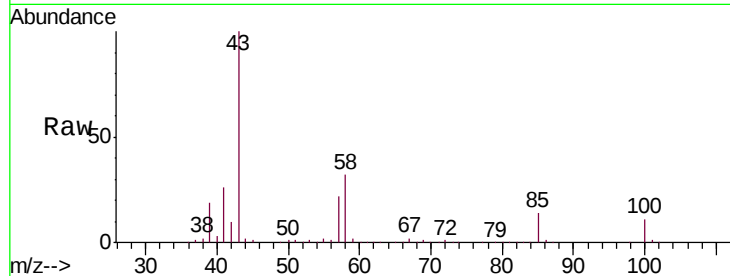
VSTDCCC050EC

Tgt Ion: 43 Resp: 1153965

Ion Ratio Lower Upper

43 100

58 32.0 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN057705.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN057705.D (-2534) (-)

9.98

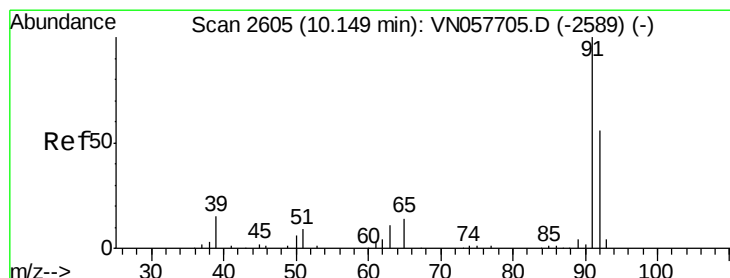
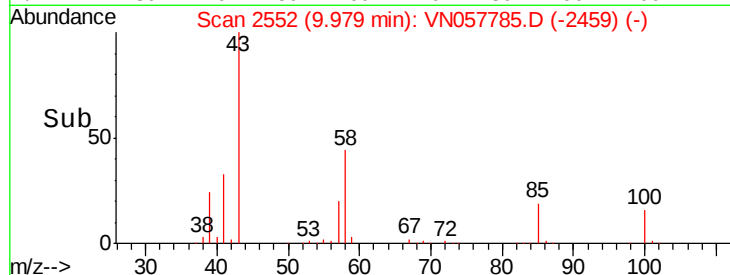
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 49.868 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057785.D

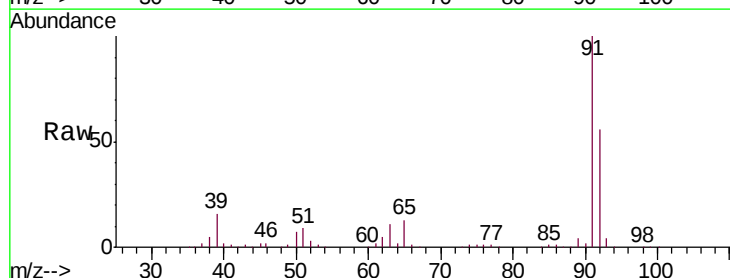
Acq: 8 Sep 2019 3:57

Tgt Ion: 92 Resp: 357777

Ion Ratio Lower Upper

92 100

91 177.4 141.5 212.3



Abundance Ion 92.00 (91.70 to 92.70): VN057705.D (-2589) (-)

Ion 91.00 (90.70 to 91.70): VN057705.D (-2589) (-)

10.15

400000

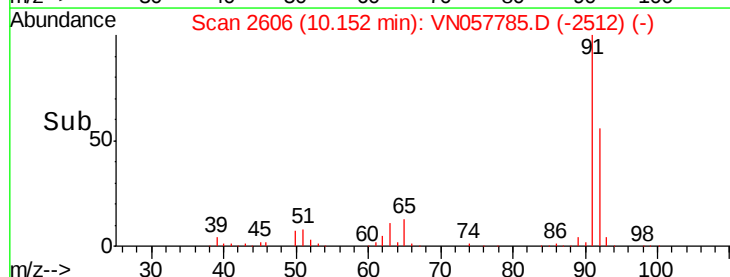
300000

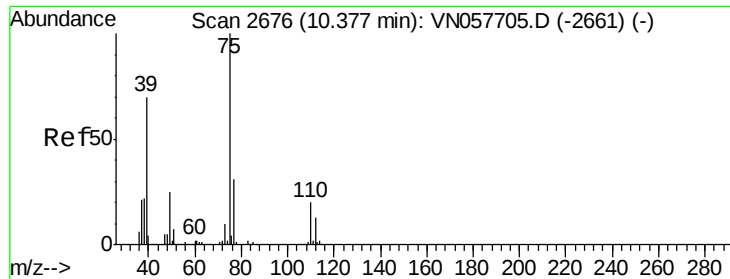
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 45.853 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Instrument :

MSVOA_N

ClientSampleId :

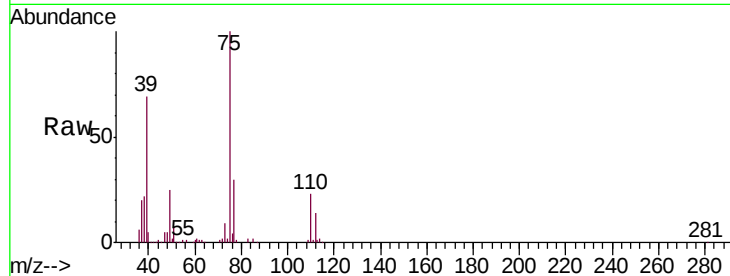
VSTDCCC050EC

Tgt Ion: 75 Resp: 207612

Ion Ratio Lower Upper

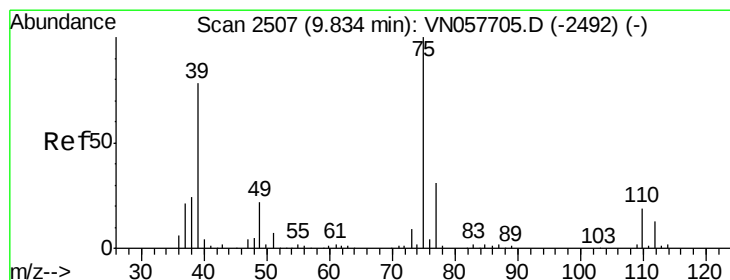
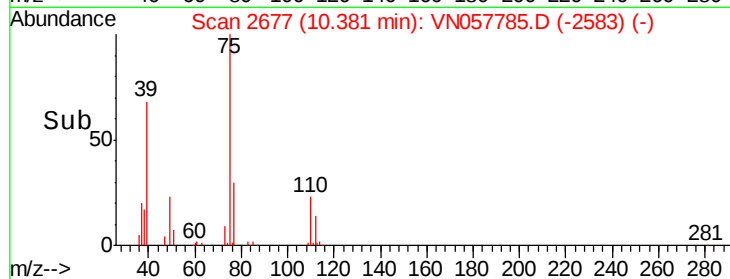
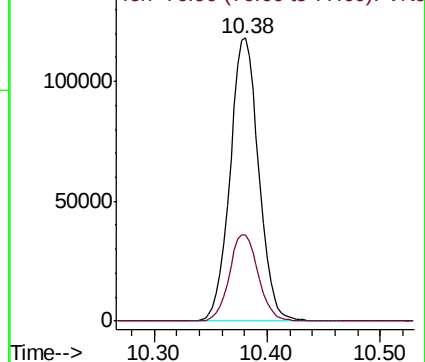
75 100

77 30.4 25.1 37.7



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: 46.879 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

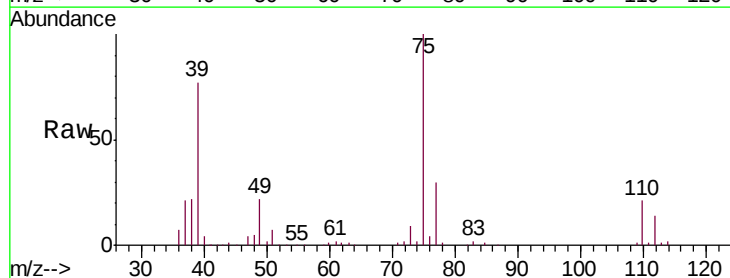
Tgt Ion: 75 Resp: 229324

Ion Ratio Lower Upper

75 100

77 30.2 25.1 37.7

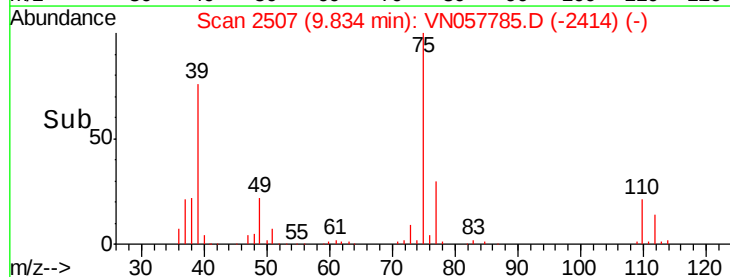
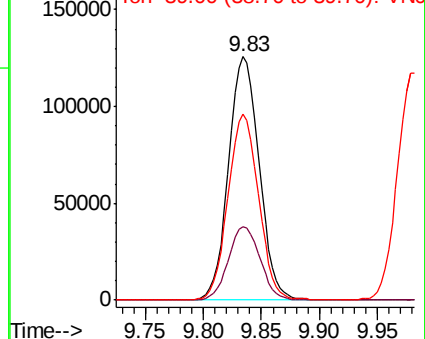
39 76.7 62.4 93.6

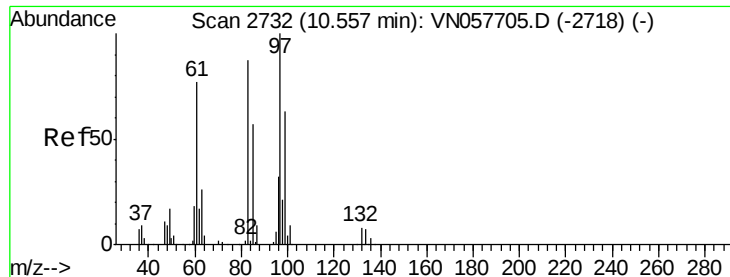


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 51.349 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 148258

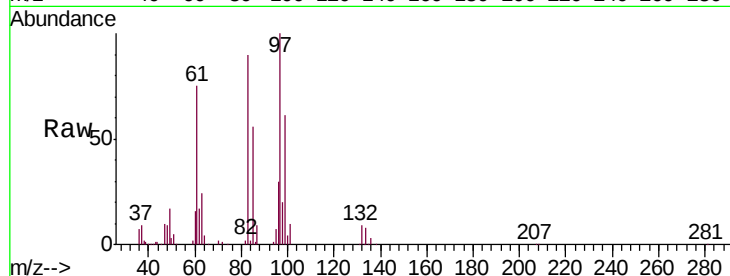
Ion Ratio Lower Upper

97 100

83 90.0 69.5 104.3

85 56.1 45.7 68.5

99 60.5 50.2 75.4

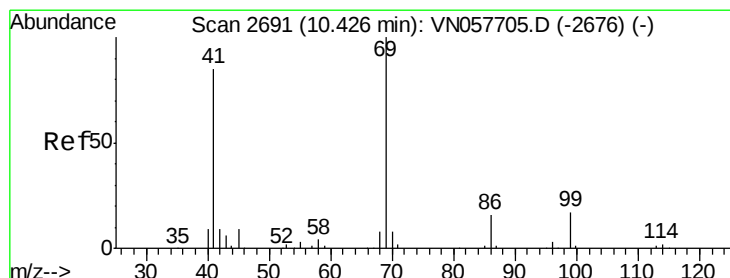
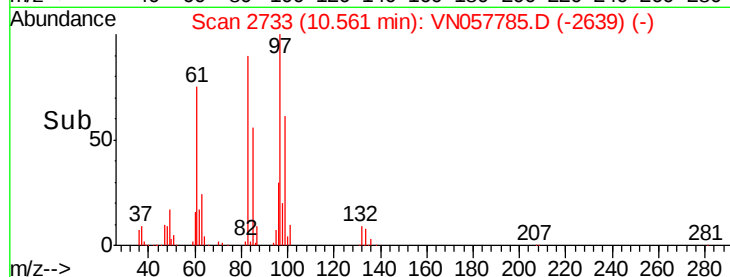
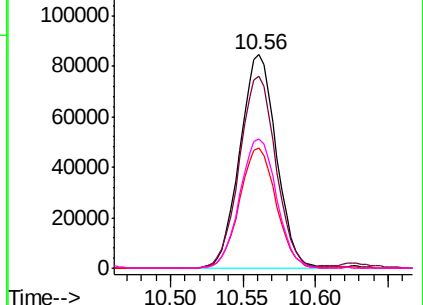


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 50.991 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

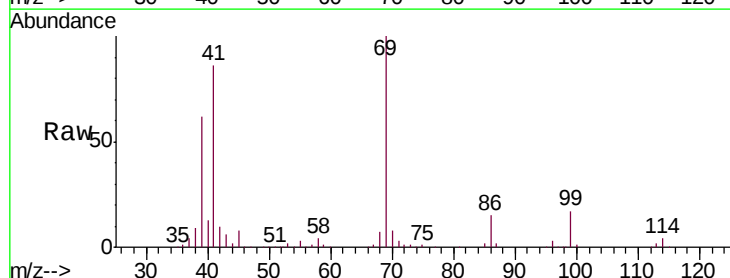
Tgt Ion: 69 Resp: 234985

Ion Ratio Lower Upper

69 100

41 82.9 69.0 103.4

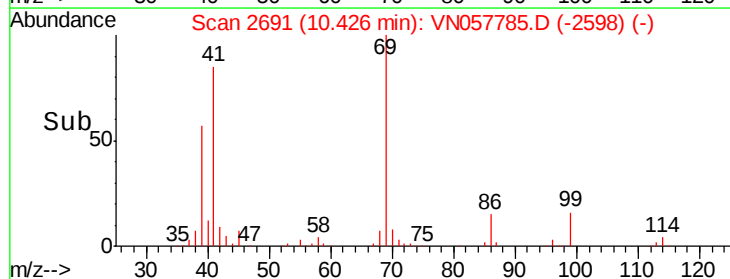
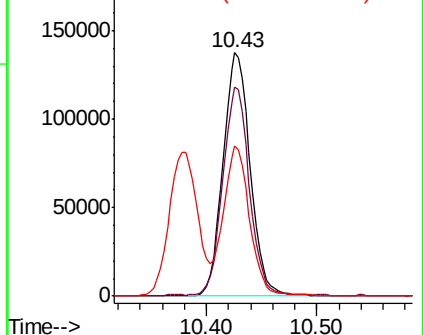
39 58.5 49.2 73.8

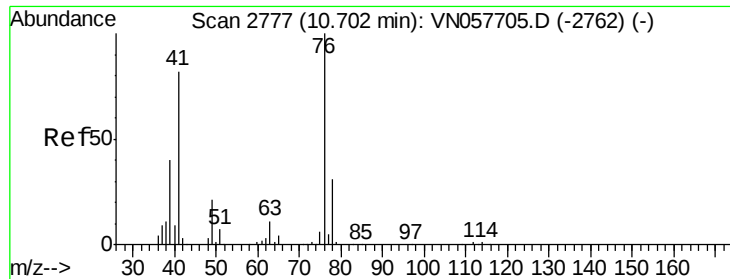


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 49.281 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Instrument :

MSVOA_N

ClientSampleId :

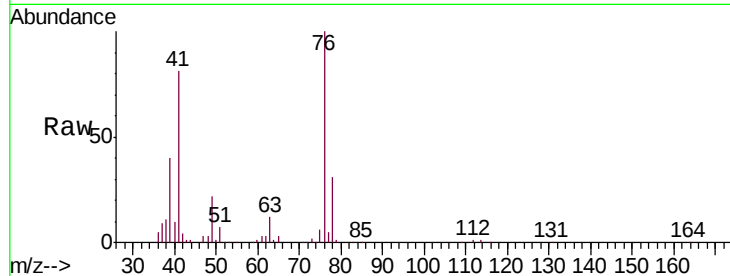
VSTDCCC050EC

Tgt Ion: 76 Resp: 255591

Ion Ratio Lower Upper

76 100

78 31.8 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VN057705.D (-2762) (-)

Ion 77.90 (77.60 to 78.60): VN057705.D (-2762) (-)

10.71

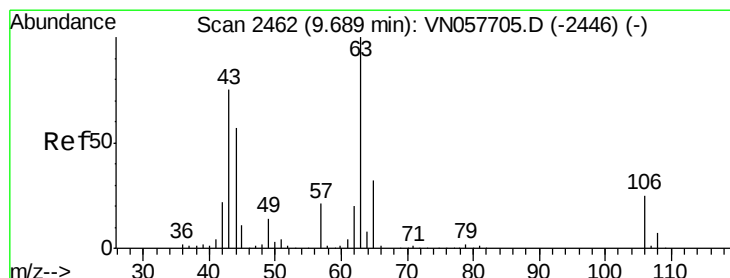
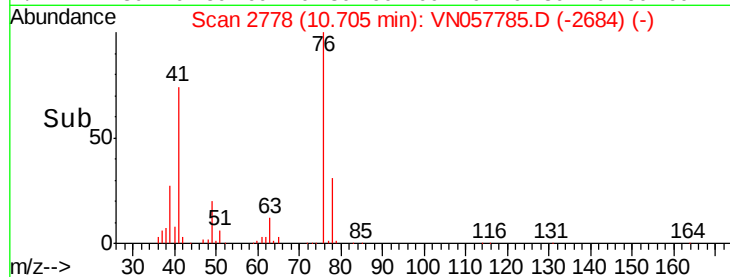
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 245.094 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057785.D

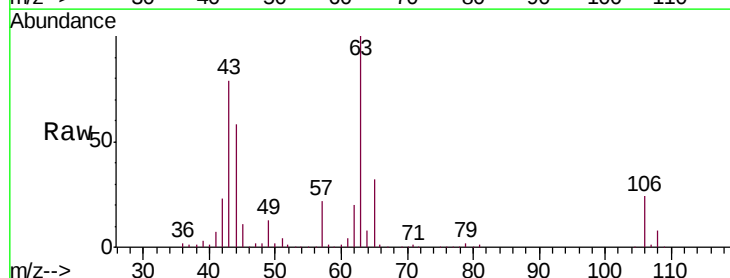
Acq: 8 Sep 2019 3:57

Tgt Ion: 63 Resp: 573034

Ion Ratio Lower Upper

63 100

106 25.1 19.4 29.2



Abundance Ion 62.90 (62.60 to 63.60): VN057705.D (-2446) (-)

Ion 105.90 (105.60 to 106.60): VN057705.D (-2446) (-)

9.69

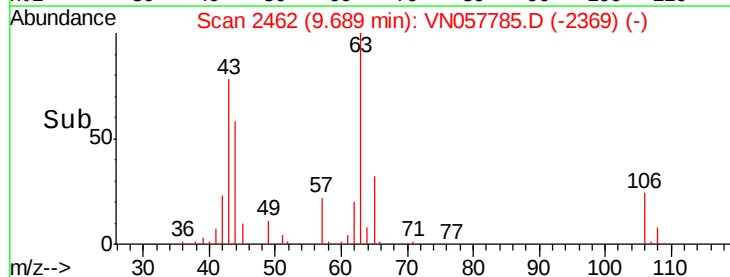
300000

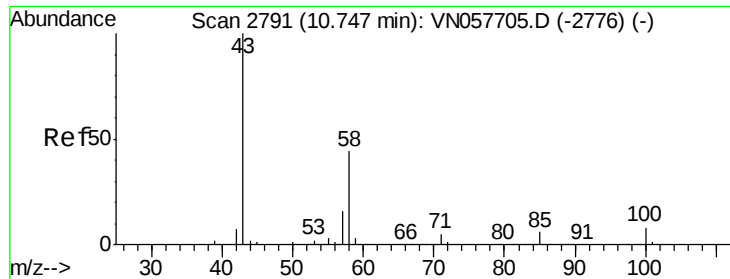
200000

100000

0

Time--> 9.60 9.70 9.80

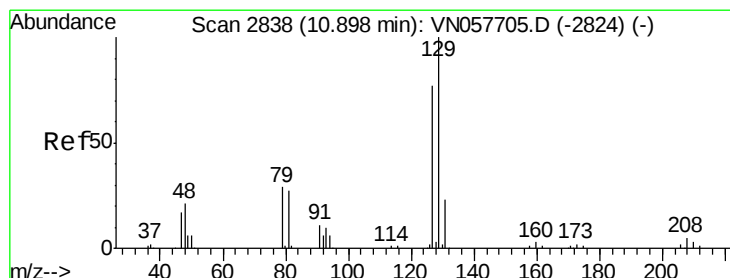
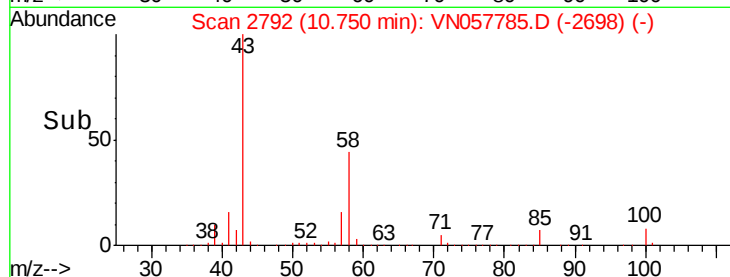
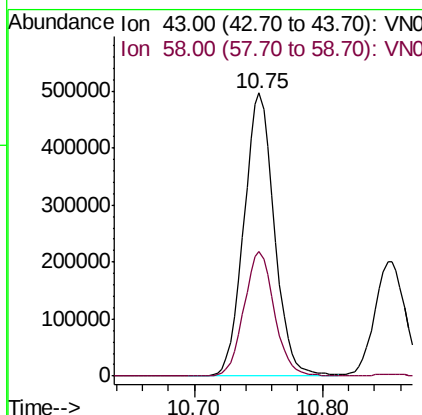
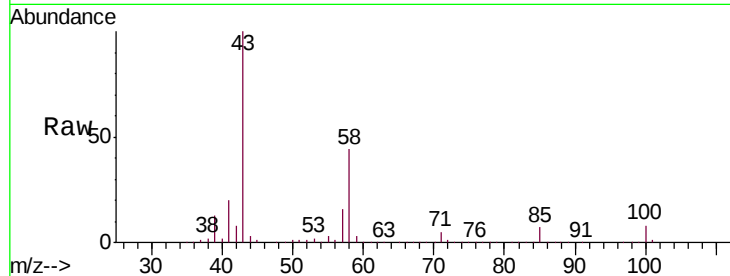




#59
2-Hexanone
Concen: 260.876 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

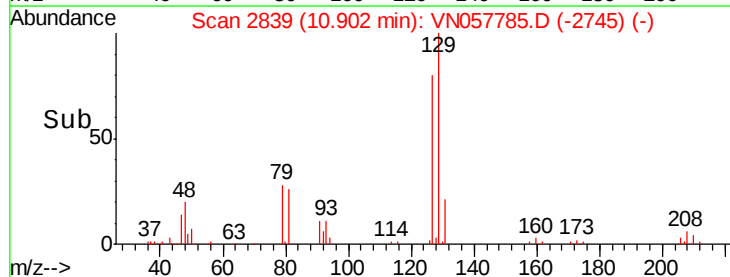
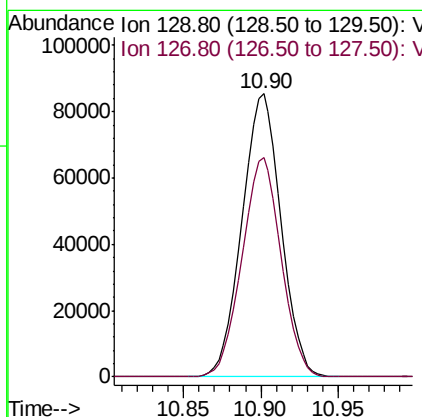
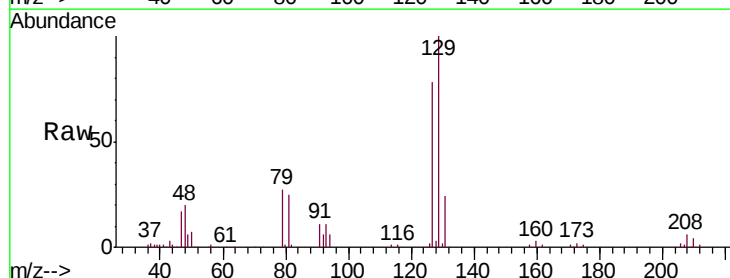
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

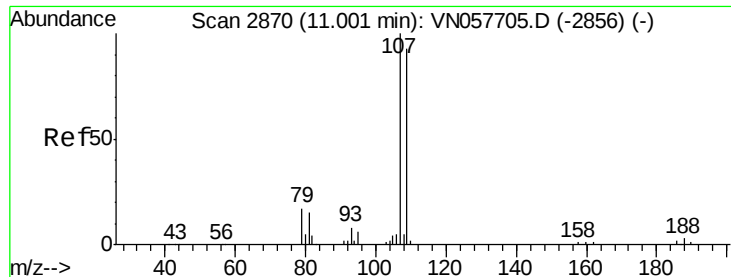
Tgt Ion: 43 Resp: 814730
Ion Ratio Lower Upper
43 100
58 44.2 22.1 66.5



#60
Dibromochloromethane
Concen: 48.337 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Tgt Ion: 129 Resp: 150289
Ion Ratio Lower Upper
129 100
127 77.5 38.4 115.2





#61

1,2-Dibromoethane

Concen: 52.607 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Instrument :

MSVOA_N

ClientSampleId :

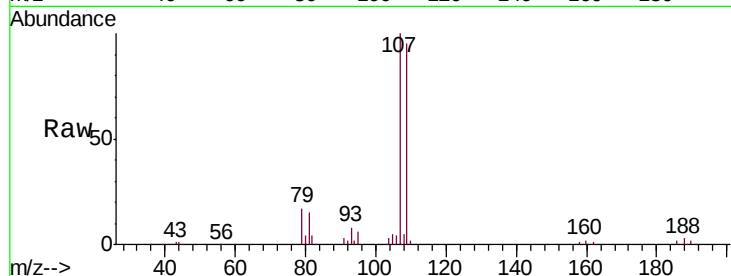
VSTDCCC050EC

Tgt Ion: 107 Resp: 145815

Ion Ratio Lower Upper

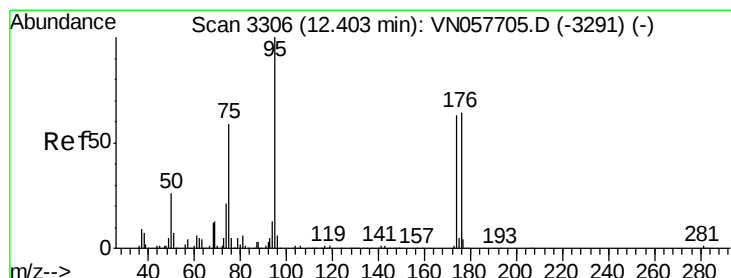
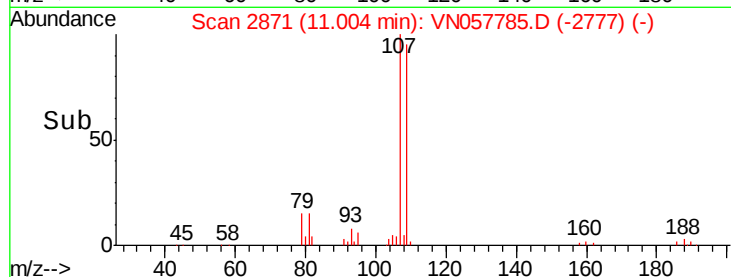
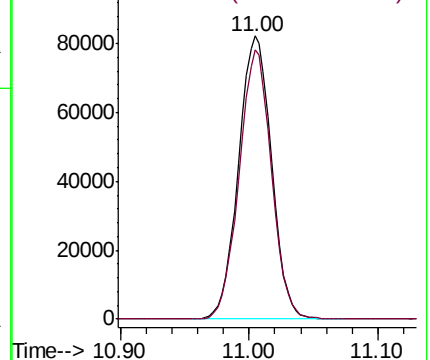
107 100

109 93.3 74.6 112.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.173 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

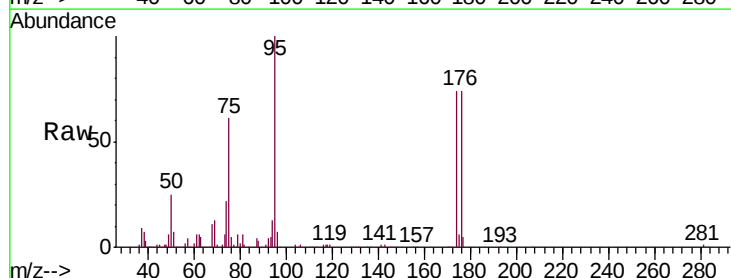
Tgt Ion: 95 Resp: 216488

Ion Ratio Lower Upper

95 100

174 74.8 0.0 128.0

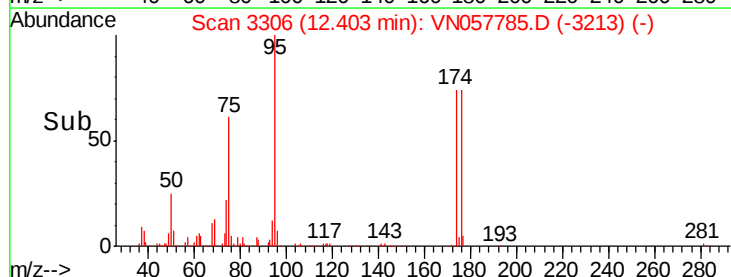
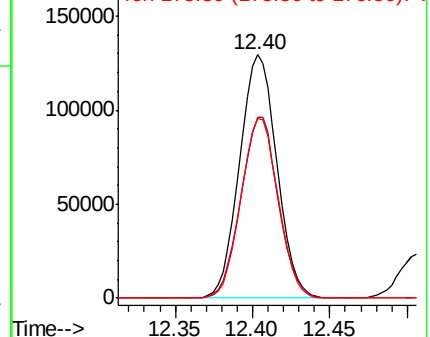
176 73.9 0.0 128.0

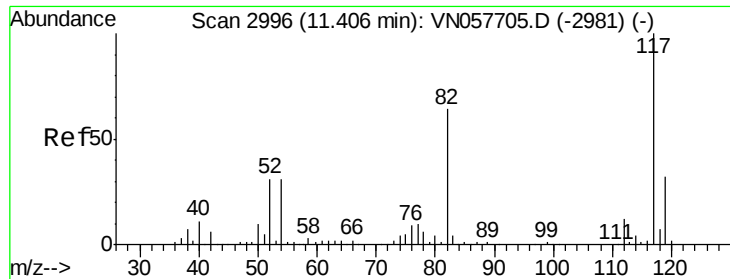


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

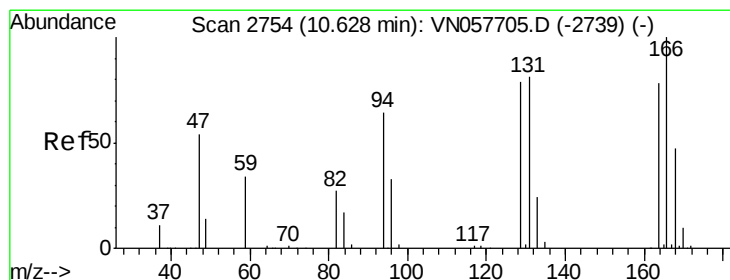
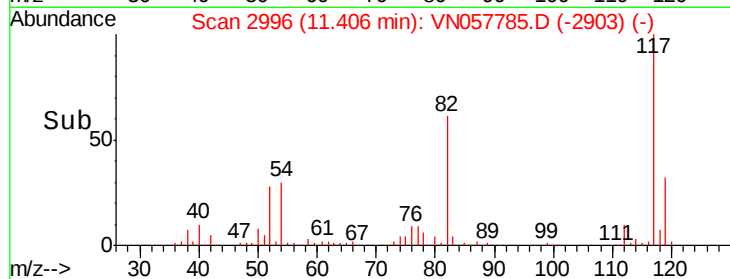
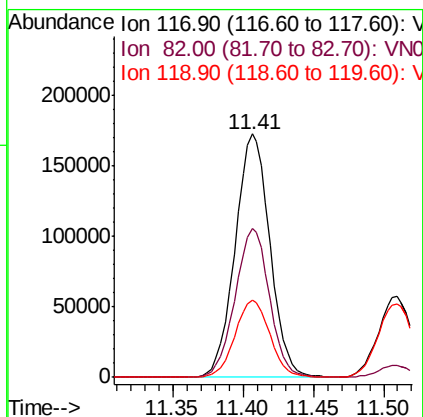
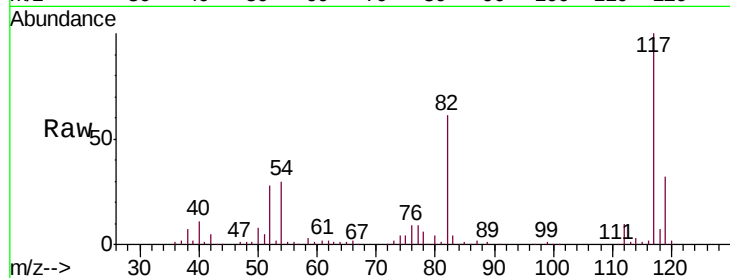




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

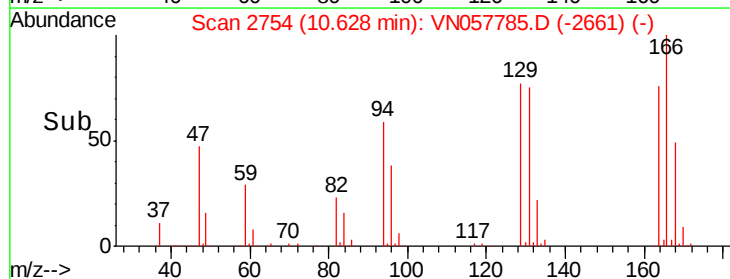
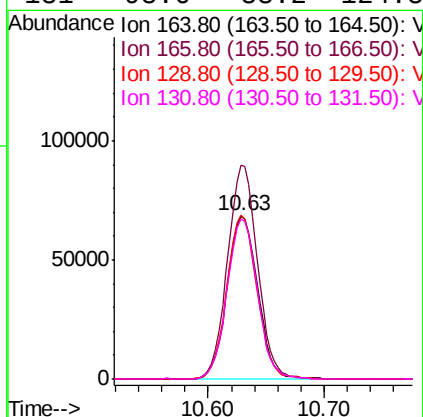
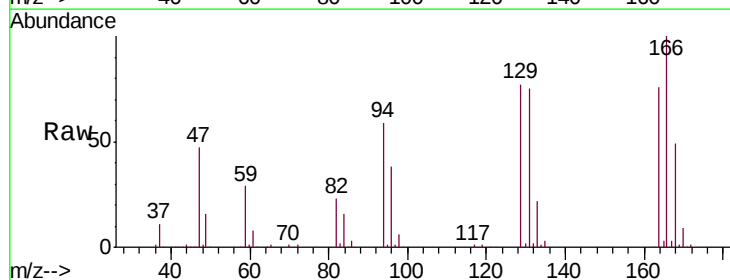
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

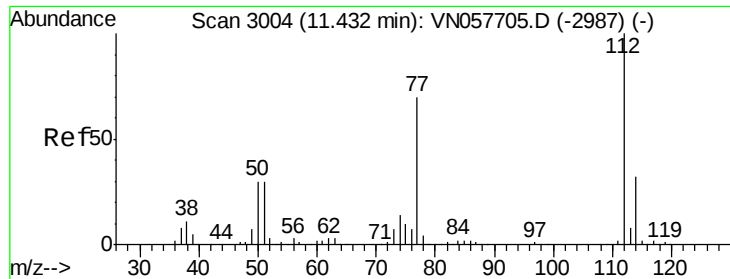
Tgt Ion:117 Resp: 297697
Ion Ratio Lower Upper
117 100
82 61.2 51.4 77.0
119 31.6 25.4 38.2



#64
Tetrachloroethene
Concen: 54.114 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Tgt Ion:164 Resp: 125595
Ion Ratio Lower Upper
164 100
166 131.2 103.0 154.6
129 100.4 81.1 121.7
131 98.6 83.2 124.8





#65

Chlorobenzene

Concen: 49.906 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Instrument :

MSVOA_N

ClientSampleId :

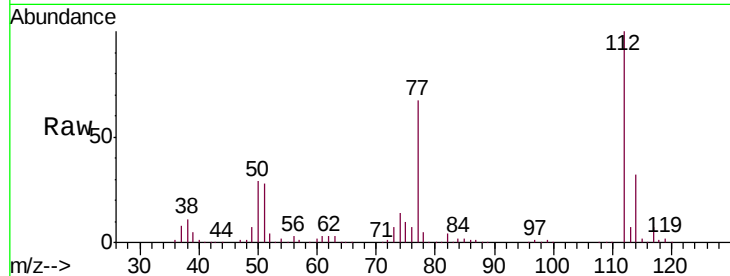
VSTDCCC050EC

Tgt Ion:112 Resp: 387550

Ion Ratio Lower Upper

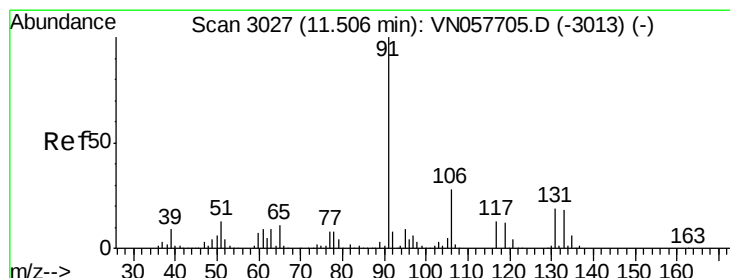
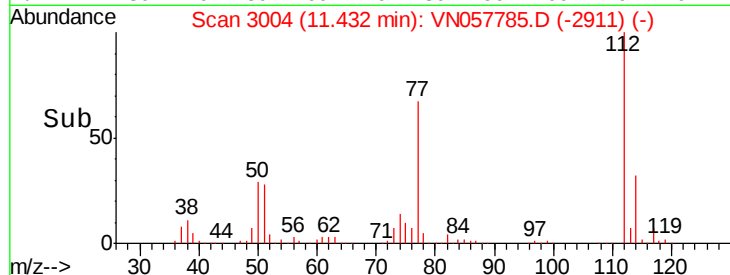
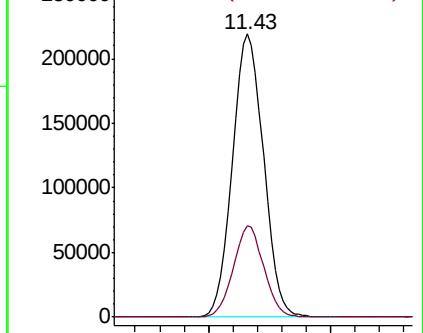
112 100

114 32.4 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.674 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

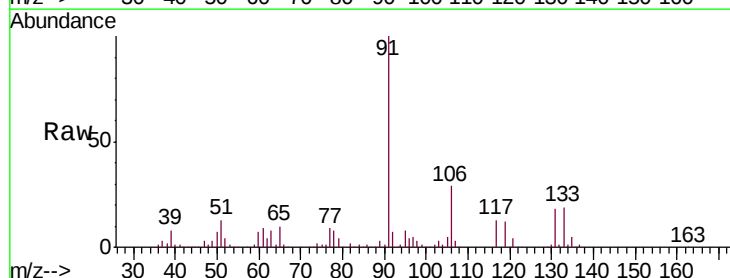
Tgt Ion:131 Resp: 145033

Ion Ratio Lower Upper

131 100

133 97.9 47.6 142.9

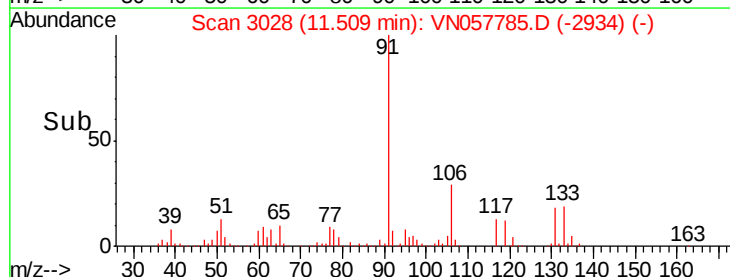
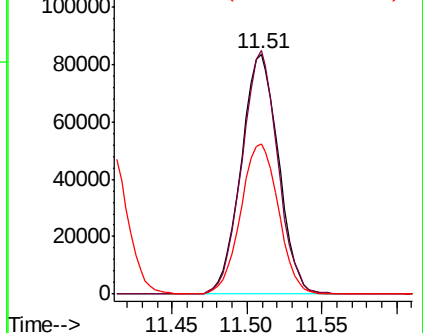
119 63.2 32.8 98.3

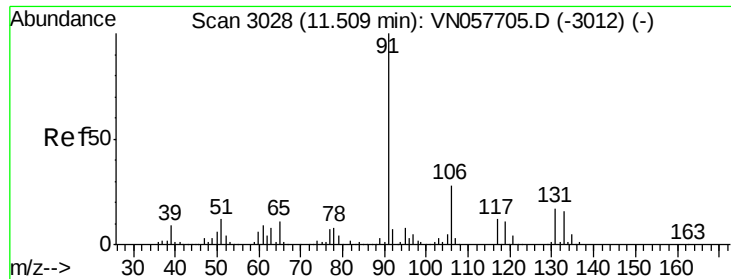


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

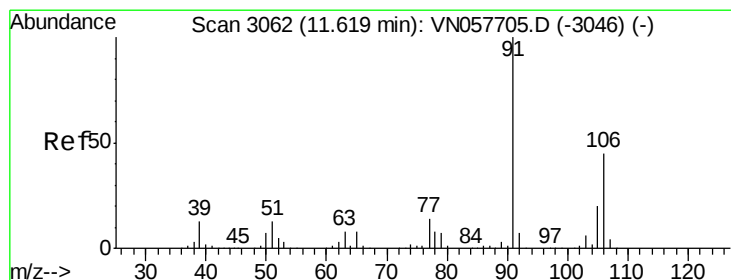
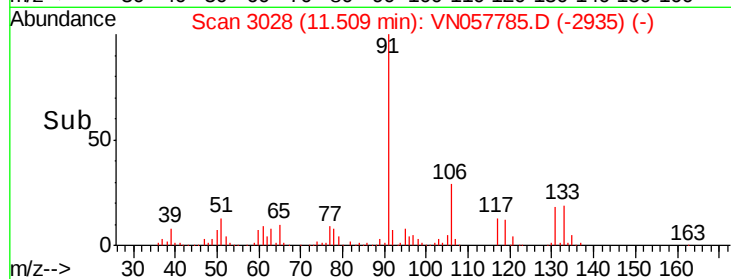
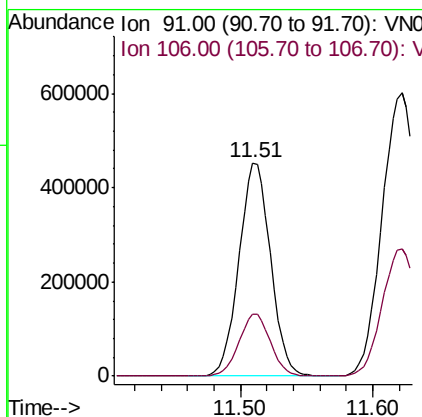
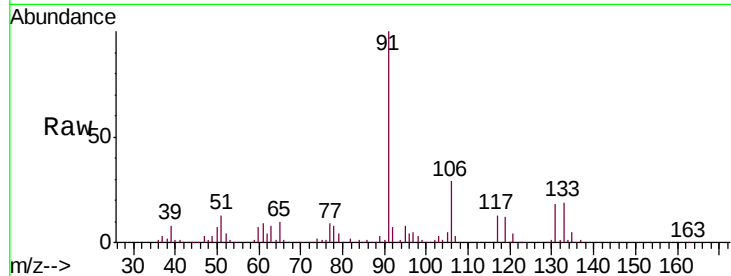




#67
Ethyl Benzene
Concen: 50.067 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

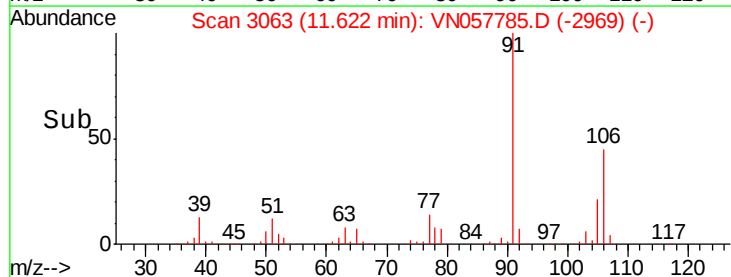
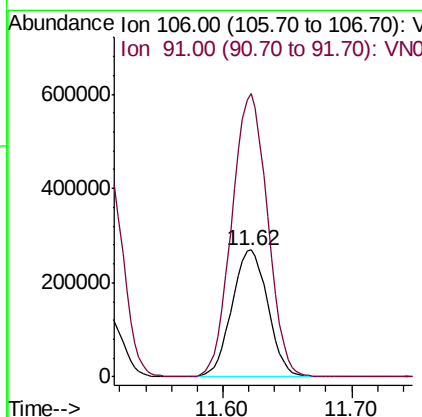
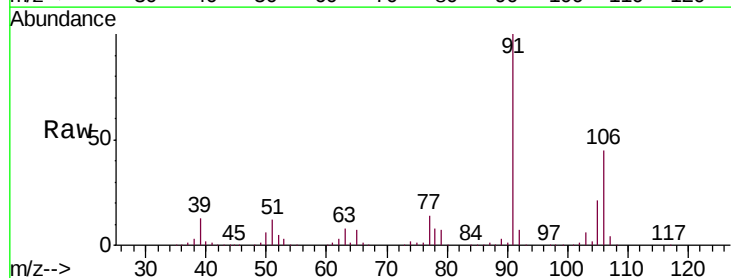
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

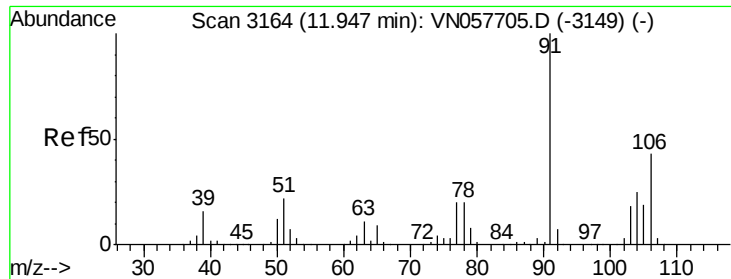
Tgt Ion: 91 Resp: 750155
Ion Ratio Lower Upper
91 100
106 29.0 22.8 34.2



#68
m/p-Xylenes
Concen: 100.971 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Tgt Ion: 106 Resp: 521075
Ion Ratio Lower Upper
106 100
91 222.0 179.8 269.8

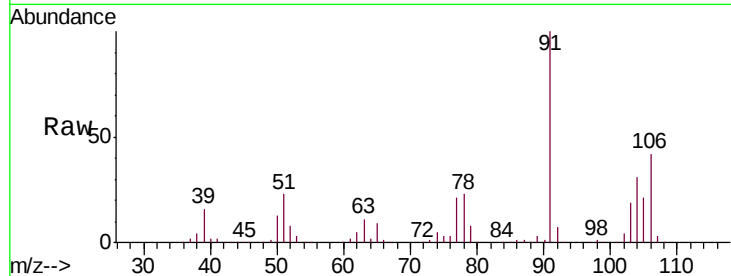




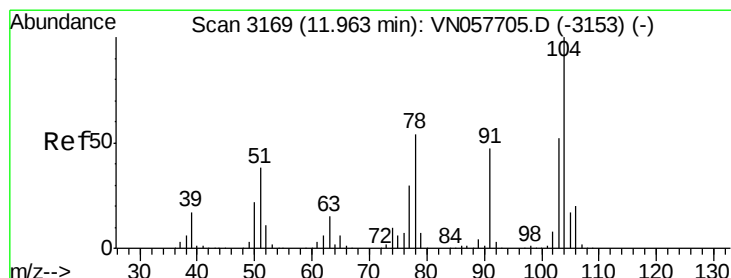
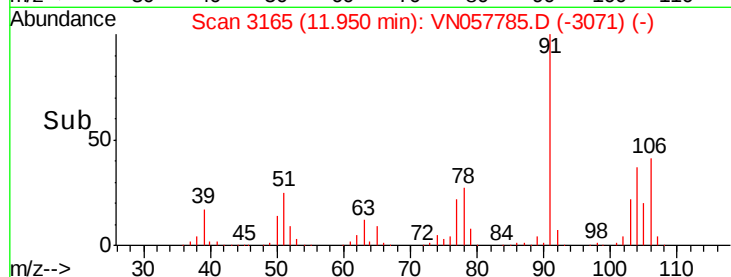
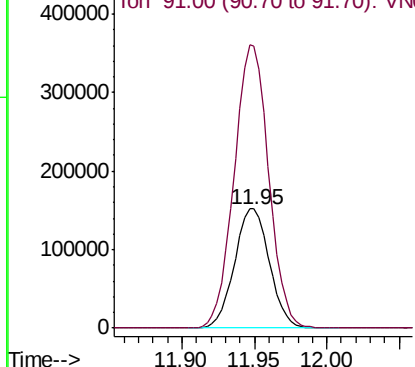
#69
o-Xylene
Concen: 49.799 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 254472
Ion Ratio Lower Upper
106 100
91 234.1 116.8 350.4

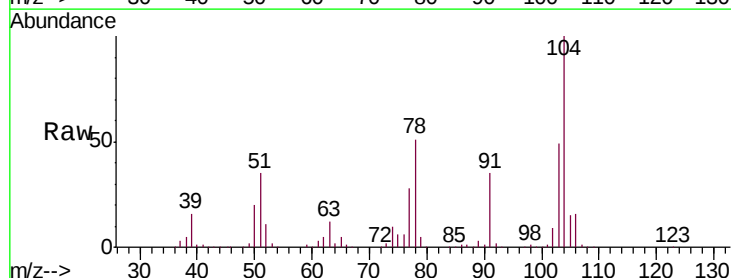


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

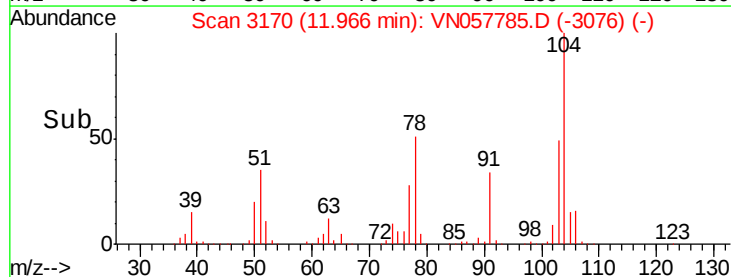
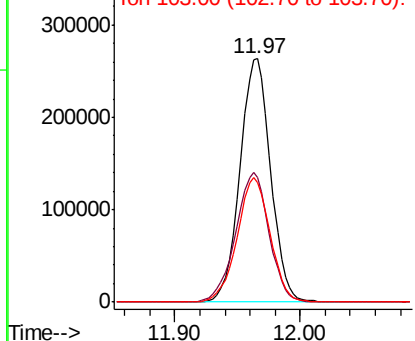


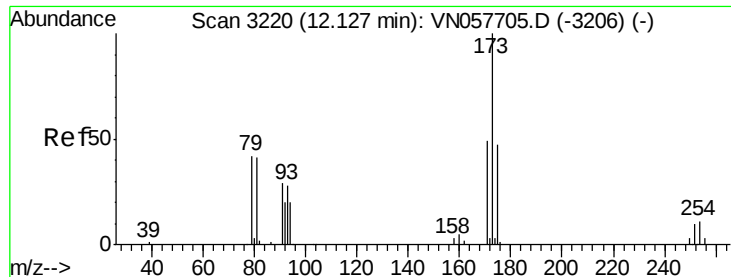
#70
Styrene
Concen: 50.586 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Tgt Ion:104 Resp: 447271
Ion Ratio Lower Upper
104 100
78 58.2 48.5 72.7
103 54.7 45.0 67.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

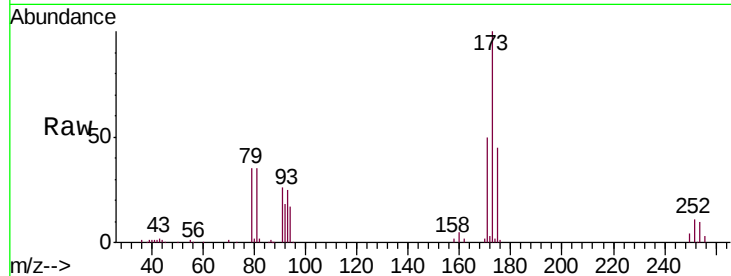




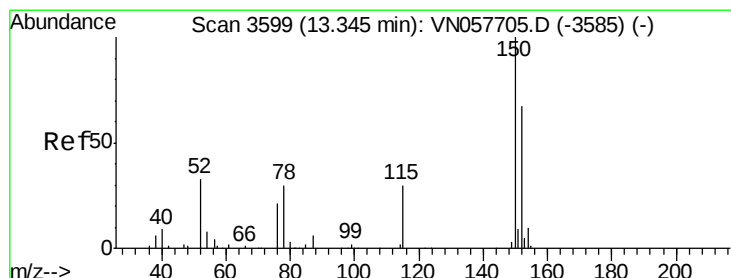
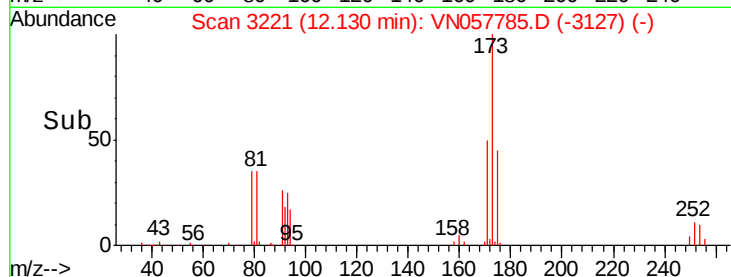
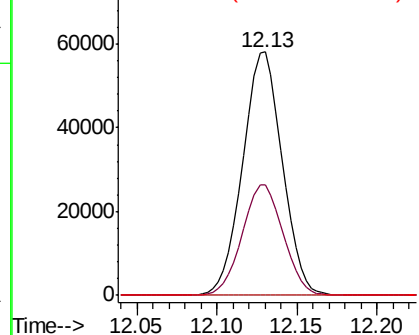
#71
Bromoform
Concen: 48.574 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 97878
Ion Ratio Lower Upper
173 100
175 47.1 24.6 73.8
254 0.0 0.0 0.0#

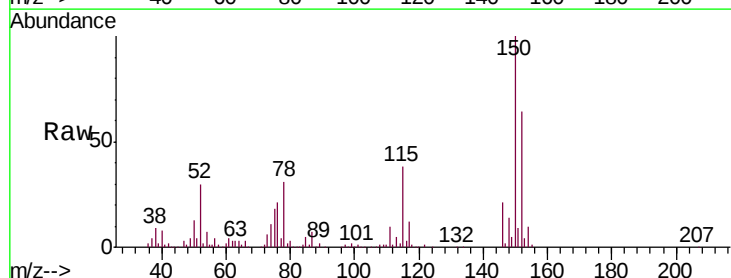


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

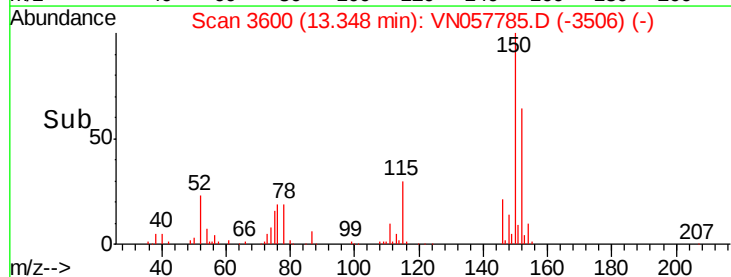
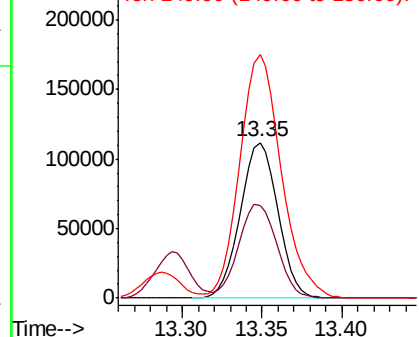


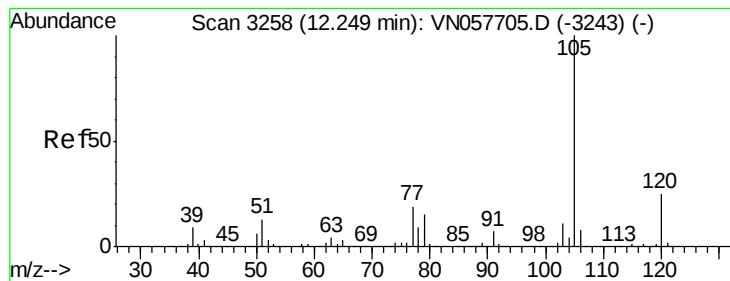
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057785.D
Acq: 8 Sep 2019 3:57

Tgt Ion:152 Resp: 178814
Ion Ratio Lower Upper
152 100
115 61.2 33.8 101.3
150 173.2 0.0 345.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.186 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Instrument :

MSVOA_N

ClientSampleId :

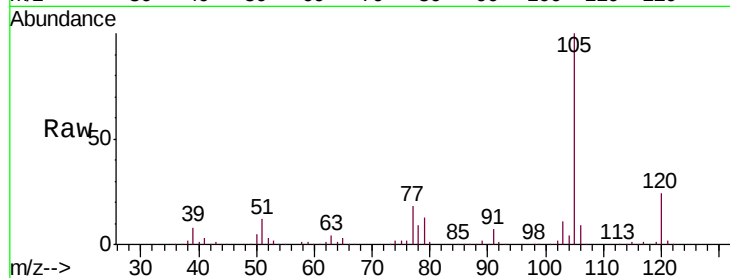
VSTDCCC050EC

Tgt Ion: 105 Resp: 730150

Ion Ratio Lower Upper

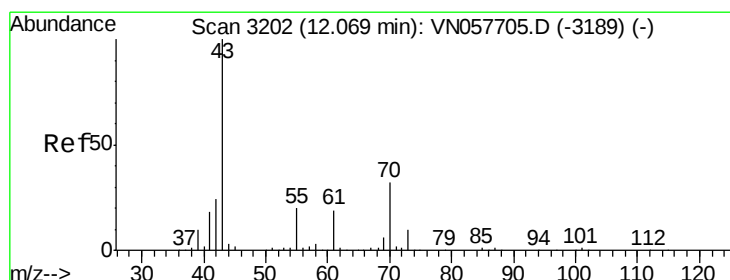
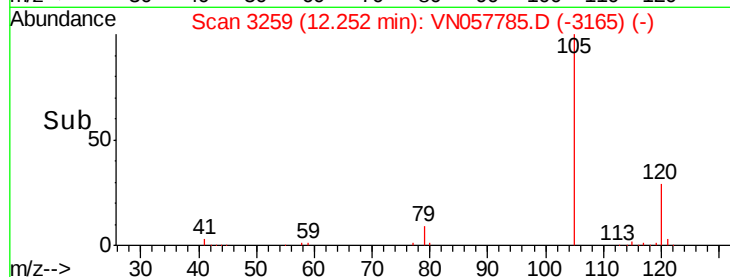
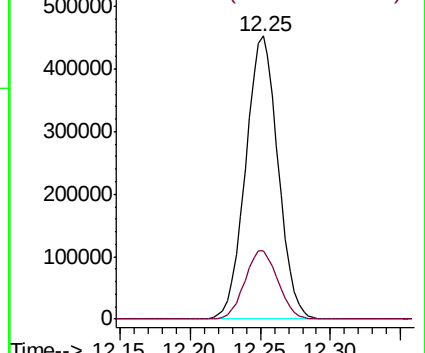
105 100

120 24.8 12.2 36.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 44.630 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Tgt Ion: 43 Resp: 352446

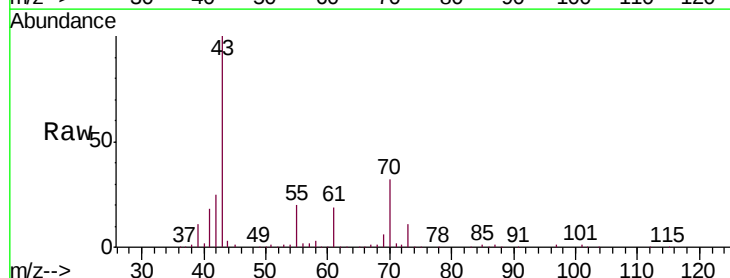
Ion Ratio Lower Upper

43 100

70 32.4 26.1 39.1

55 20.8 16.3 24.5

61 19.0 15.0 22.4

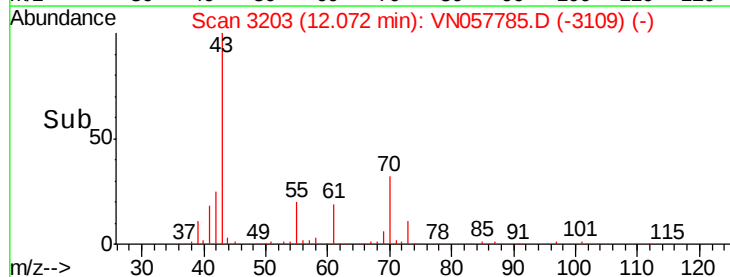
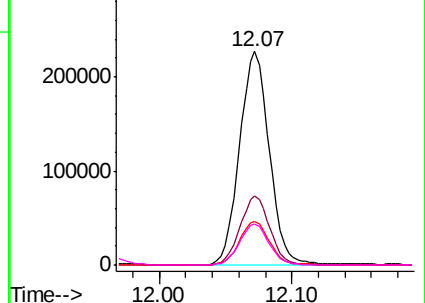


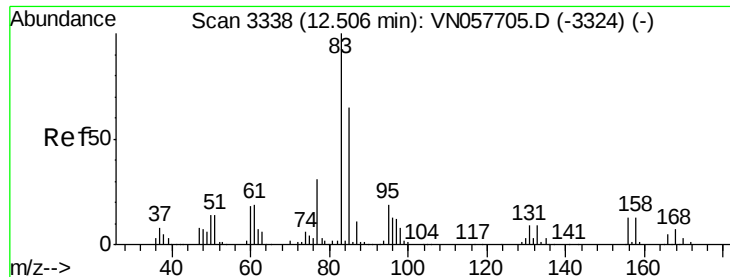
Abundance Ion 43.00 (42.70 to 43.70): V

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: 45.923 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

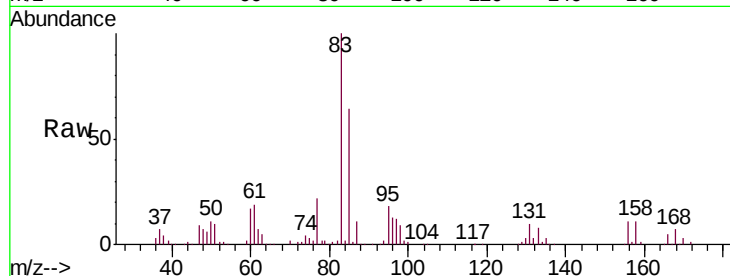
Tgt Ion: 83 Resp: 217697

Ion Ratio Lower Upper

83 100

131 10.4 4.5 13.5

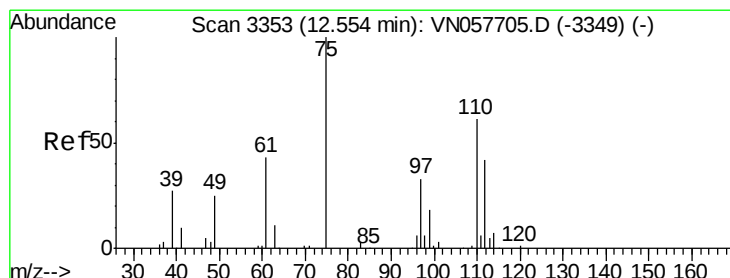
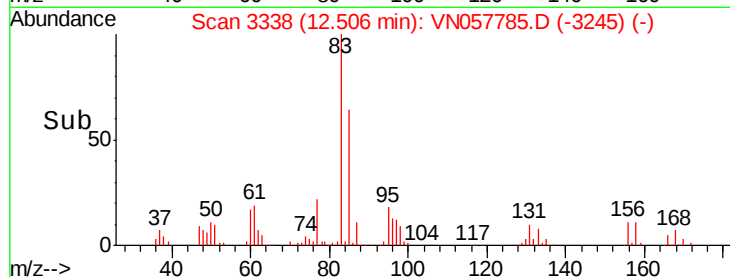
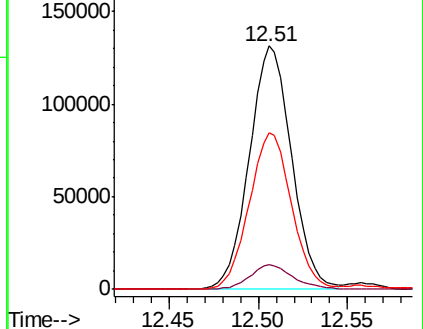
85 64.4 31.8 95.3



Abundance Ion 82.90 (82.60 to 83.60): VN057785.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN057785.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN057785.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 64.497 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN057785.D

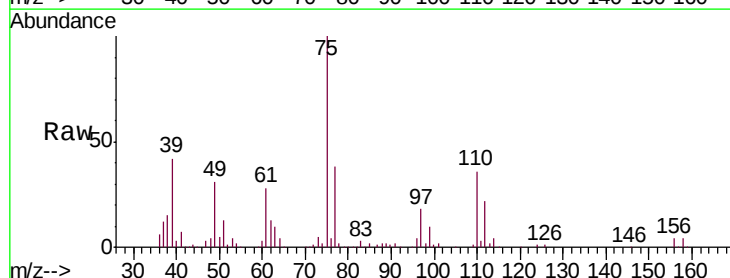
Acq: 8 Sep 2019 3:57

Tgt Ion: 75 Resp: 264840

Ion Ratio Lower Upper

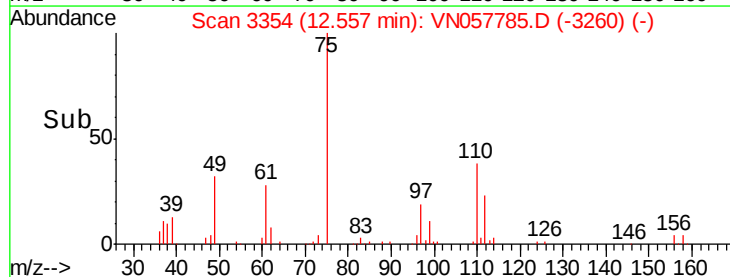
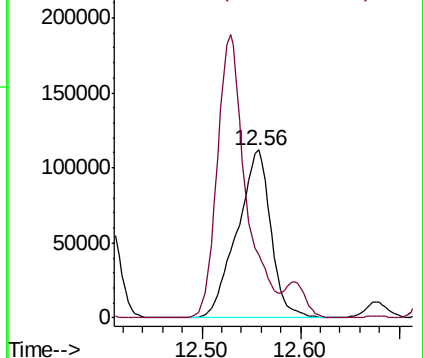
75 100

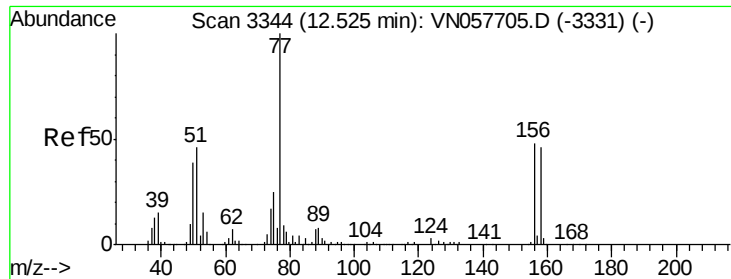
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN057785.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN057785.D (-3260) (-)





#77

Bromobenzene

Concen: 50.571 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

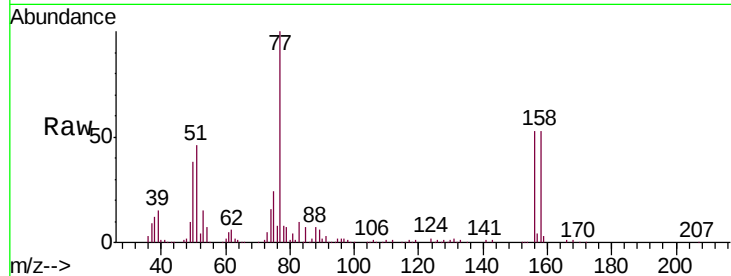
Tgt Ion:156 Resp: 173684

Ion Ratio Lower Upper

156 100

77 220.8 125.4 376.2

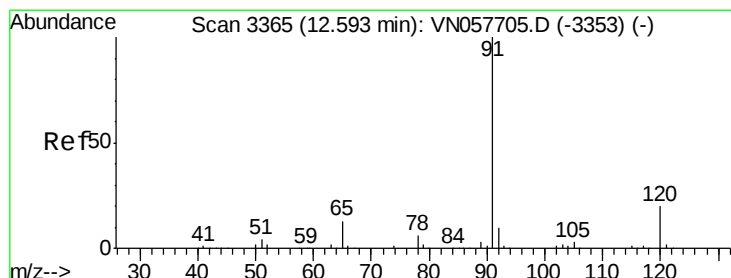
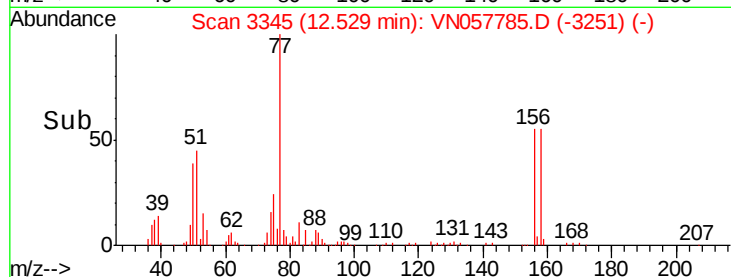
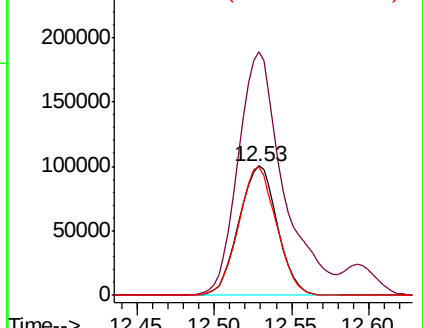
158 97.6 49.3 147.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.165 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057785.D

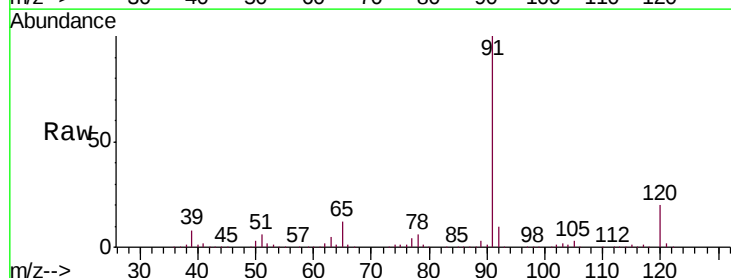
Acq: 8 Sep 2019 3:57

Tgt Ion: 91 Resp: 867078

Ion Ratio Lower Upper

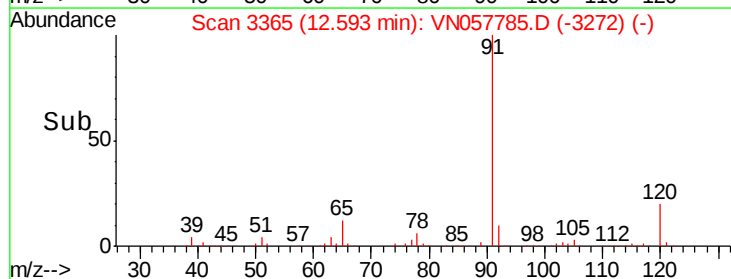
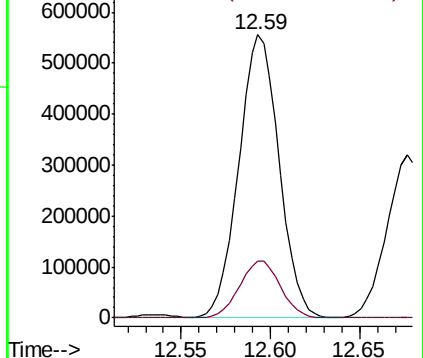
91 100

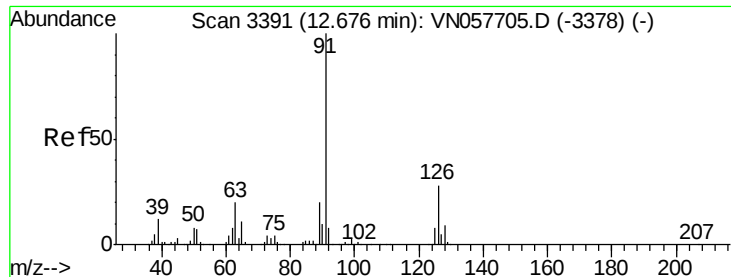
120 20.6 10.0 30.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 44.912 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Instrument :

MSVOA_N

ClientSampleId :

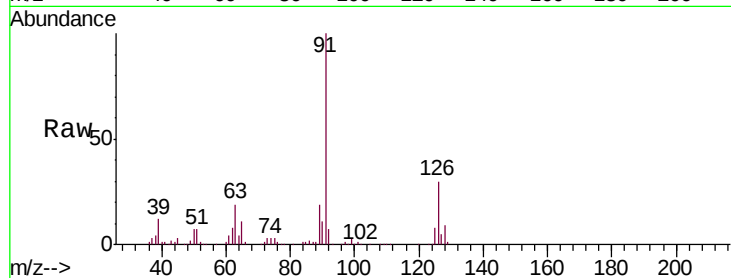
VSTDCCC050EC

Tgt Ion: 91 Resp: 513533

Ion Ratio Lower Upper

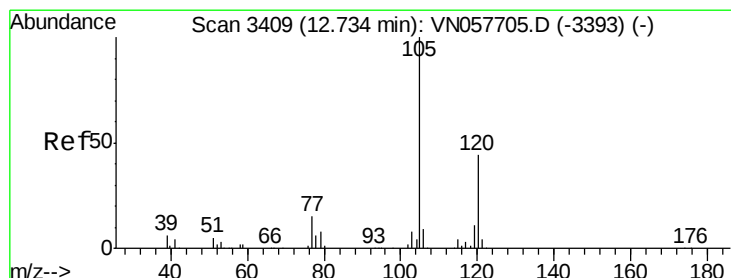
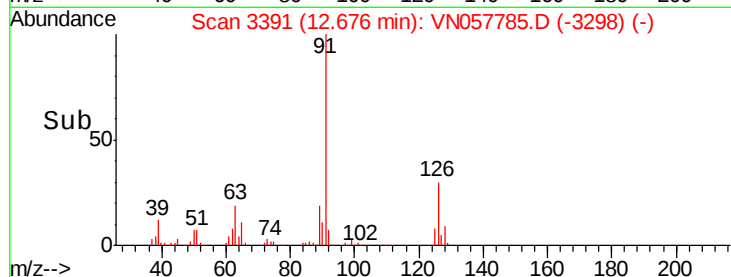
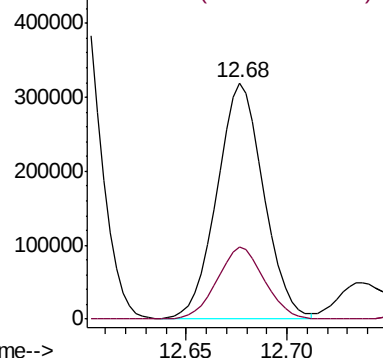
91 100

126 31.1 14.5 43.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 46.977 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057785.D

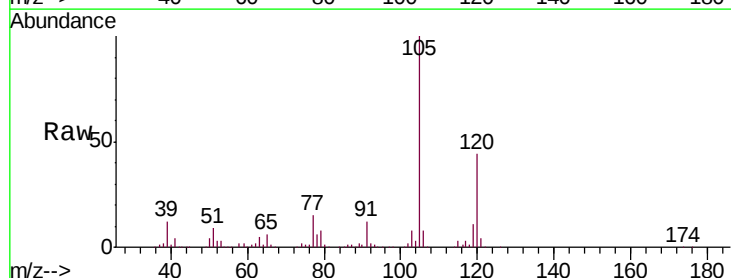
Acq: 8 Sep 2019 3:57

Tgt Ion: 105 Resp: 630869

Ion Ratio Lower Upper

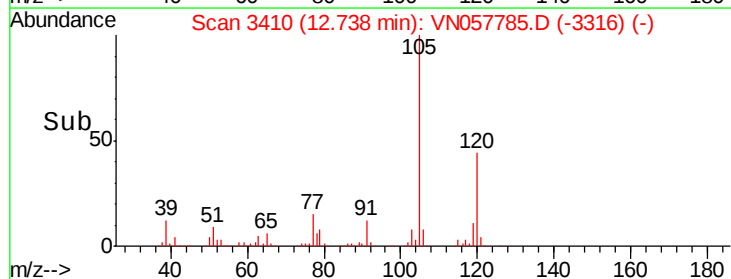
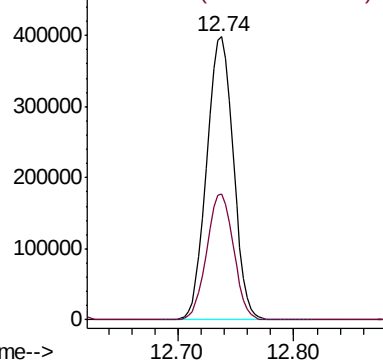
105 100

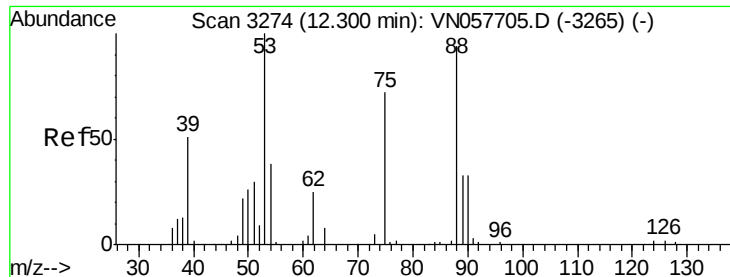
120 44.7 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 35.571 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

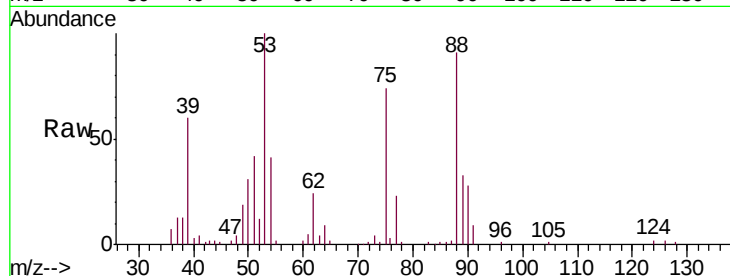
Tgt Ion: 75 Resp: 46966

Ion Ratio Lower Upper

75 100

53 140.7 107.0 160.6

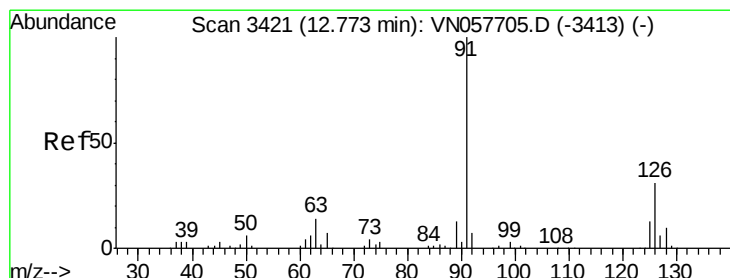
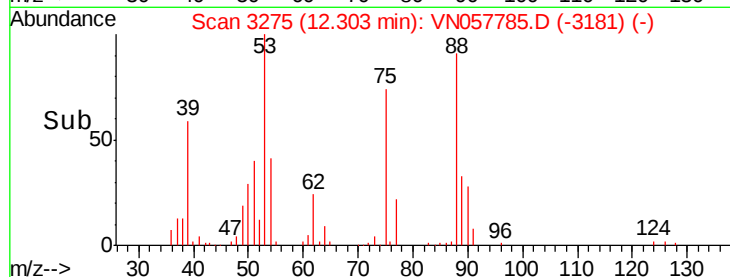
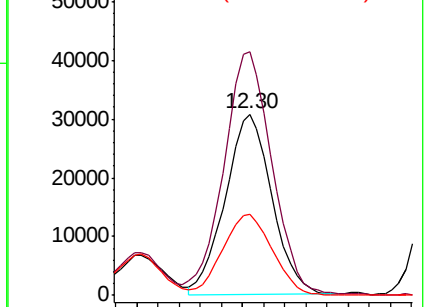
89 48.0 36.5 54.7



Abundance Ion 74.90 (74.60 to 75.60): VN057705.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN057705.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN057705.D (-3265) (-)



#82

4-Chlorotoluene

Concen: 45.361 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057785.D

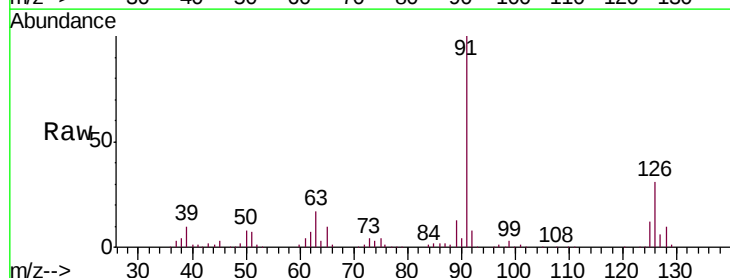
Acq: 8 Sep 2019 3:57

Tgt Ion: 91 Resp: 534172

Ion Ratio Lower Upper

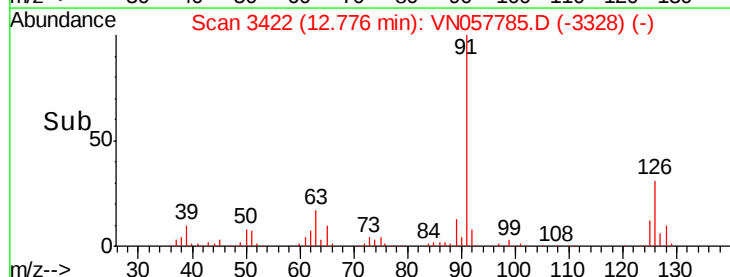
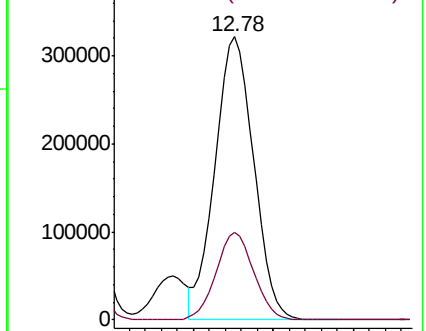
91 100

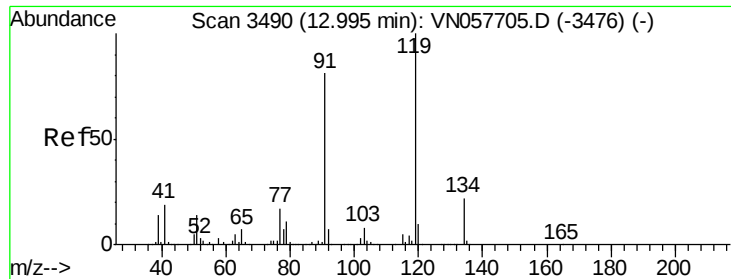
126 30.1 14.4 43.4



Abundance Ion 91.00 (90.70 to 91.70): VN057705.D (-3413) (-)

Ion 125.90 (125.60 to 126.60): VN057705.D (-3413) (-)

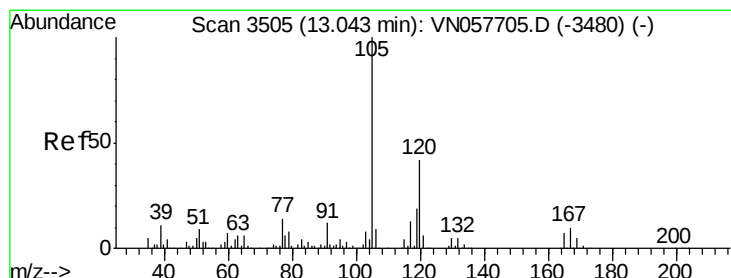
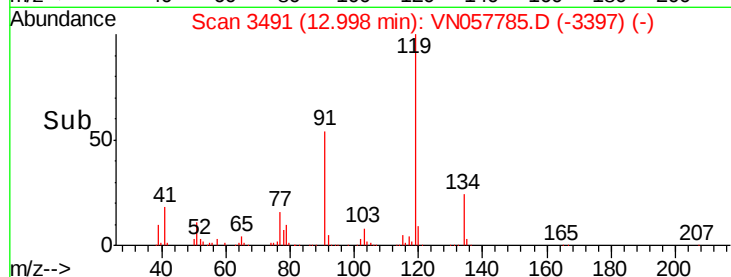
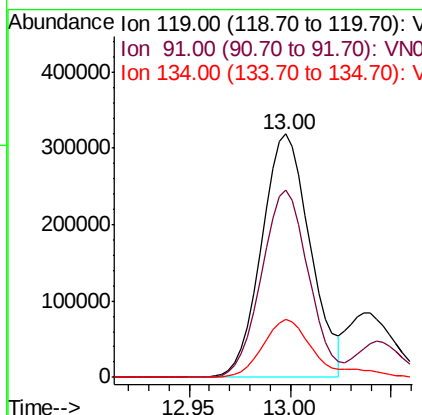
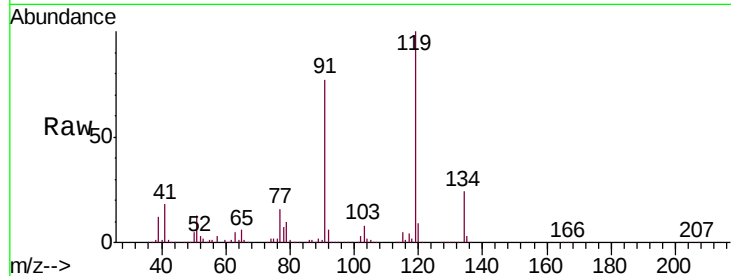




#83
 tert-Butylbenzene
 Concen: 47.199 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

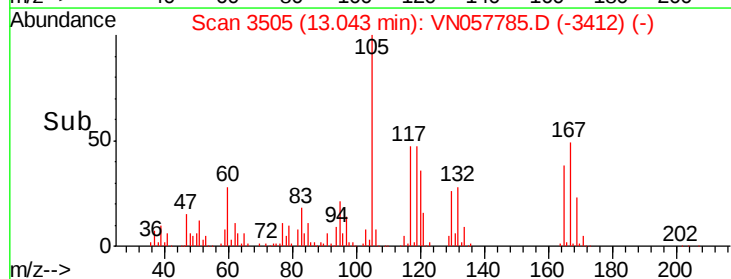
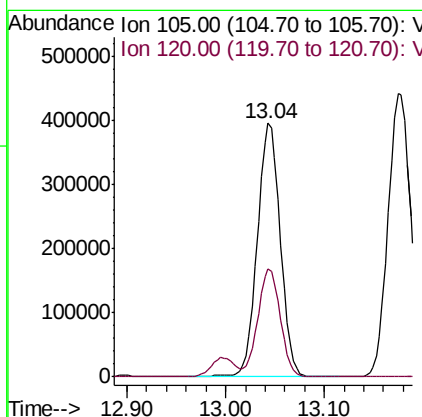
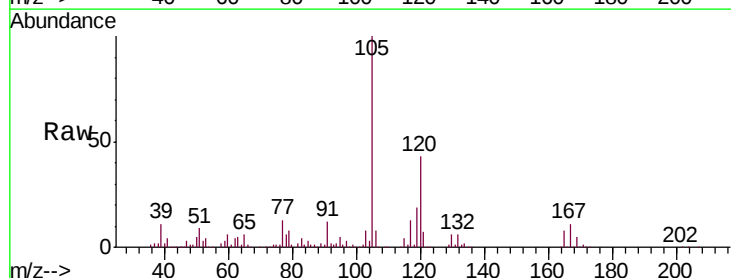
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

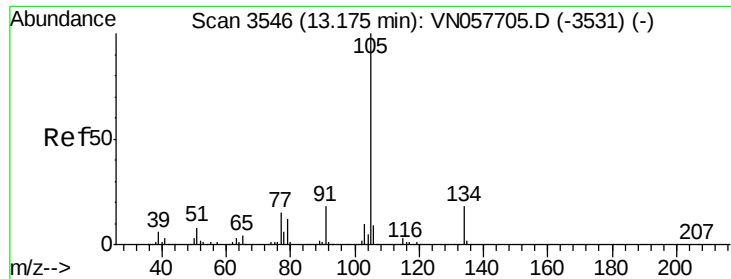
Tgt Ion:119 Resp: 534341
 Ion Ratio Lower Upper
 119 100
 91 74.9 39.6 118.8
 134 25.5 11.3 33.8



#84
 1,2,4-Trimethylbenzene
 Concen: 47.640 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

Tgt Ion:105 Resp: 633723
 Ion Ratio Lower Upper
 105 100
 120 41.6 20.8 62.5

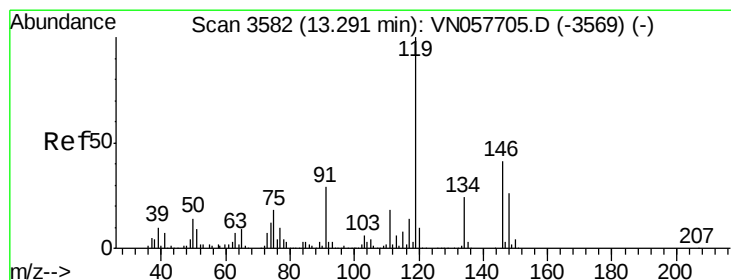
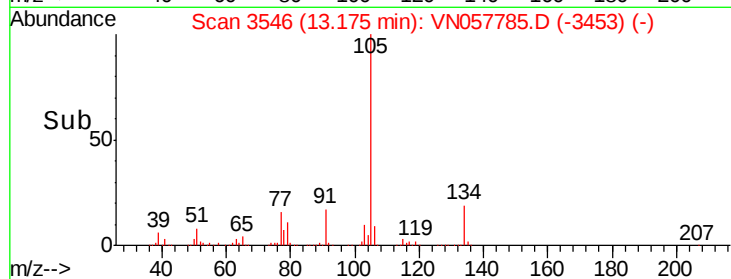
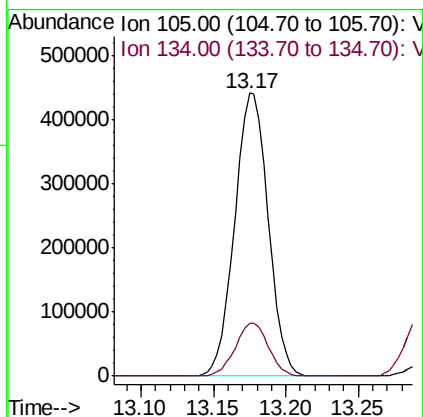
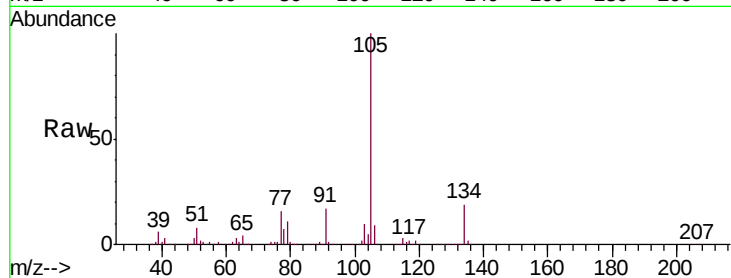




#85
 sec-Butylbenzene
 Concen: 45.354 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

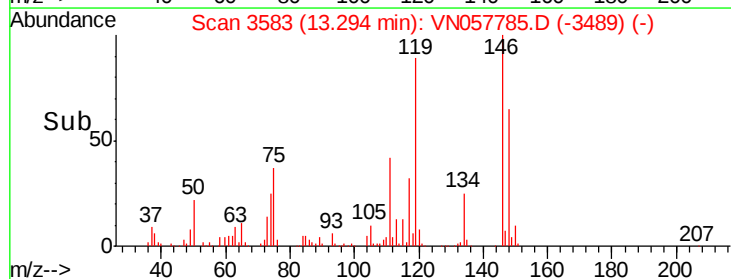
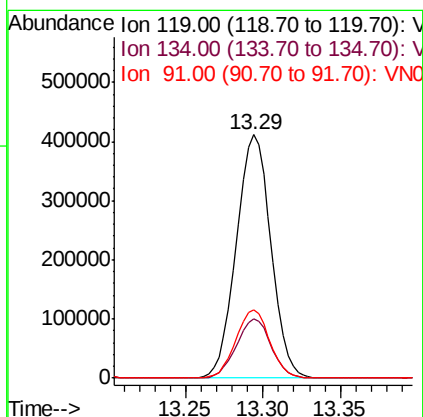
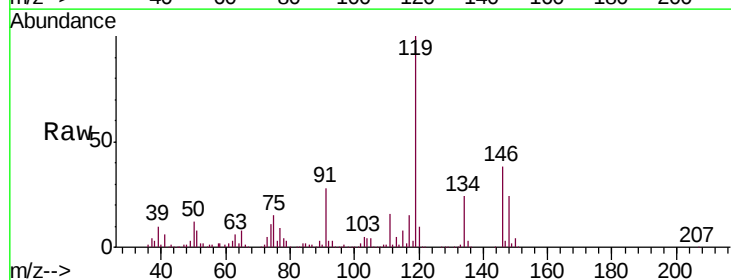
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

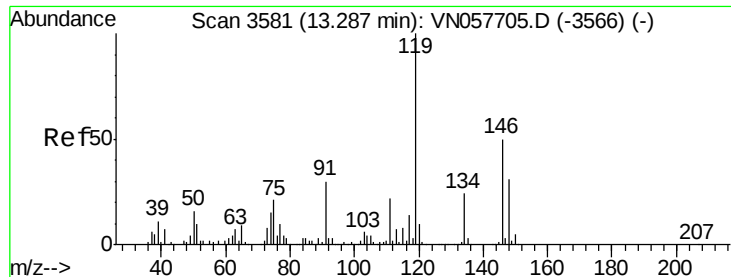
Tgt Ion:105 Resp: 707377
 Ion Ratio Lower Upper
 105 100
 134 18.6 8.8 26.5



#86
 p-Isopropyltoluene
 Concen: 48.236 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

Tgt Ion:119 Resp: 637599
 Ion Ratio Lower Upper
 119 100
 134 24.4 12.4 37.0
 91 27.4 14.8 44.3

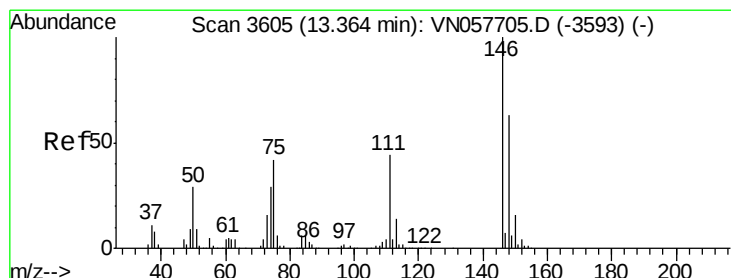
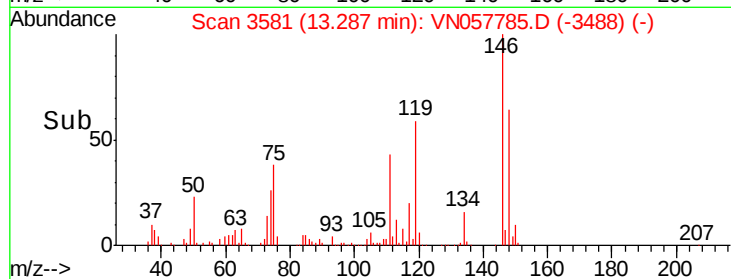
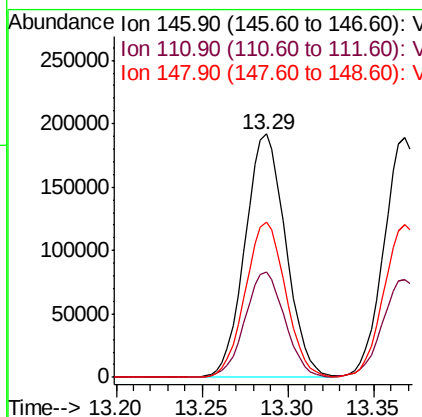
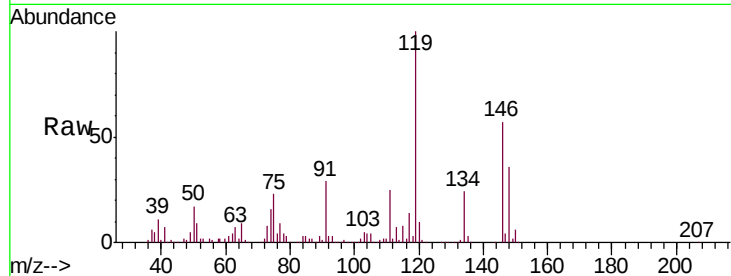




#87
 1,3-Dichlorobenzene
 Concen: 49.078 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

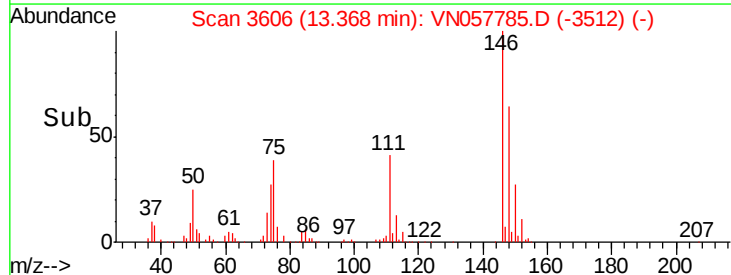
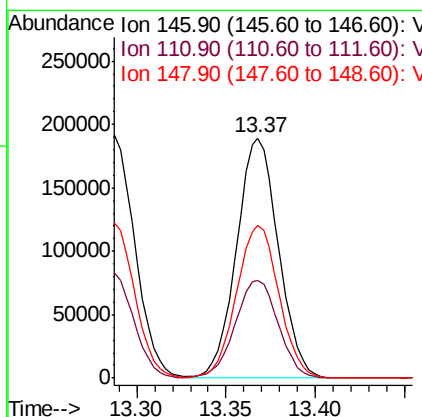
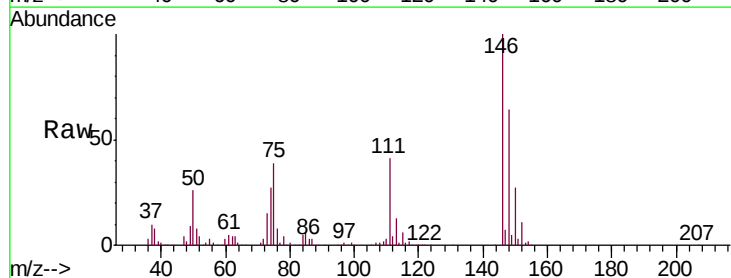
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

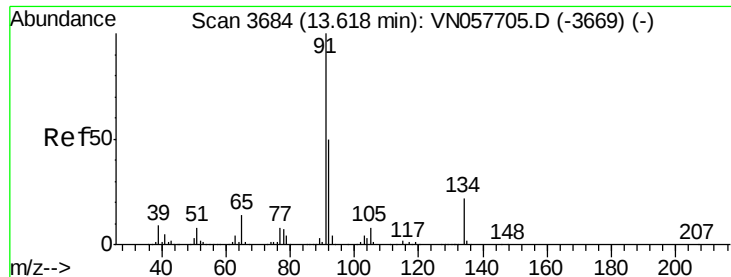
Tgt Ion:146 Resp: 315106
 Ion Ratio Lower Upper
 146 100
 111 42.1 22.3 66.8
 148 63.2 31.5 94.5



#88
 1,4-Dichlorobenzene
 Concen: 48.188 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

Tgt Ion:146 Resp: 309504
 Ion Ratio Lower Upper
 146 100
 111 42.0 22.3 66.9
 148 64.4 31.9 95.7





#89

n-Butylbenzene

Concen: 44.607 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

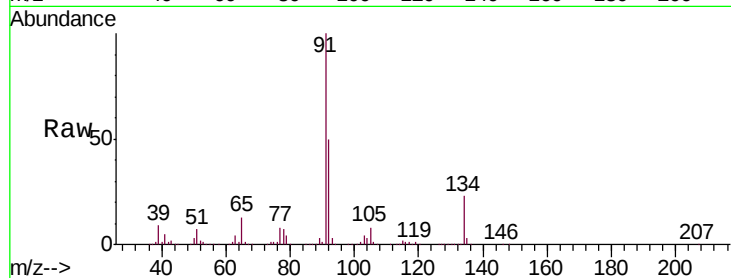
Tgt Ion: 91 Resp: 583120

Ion Ratio Lower Upper

91 100

92 50.4 25.6 76.8

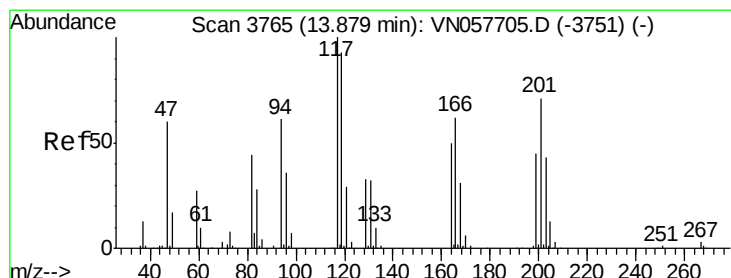
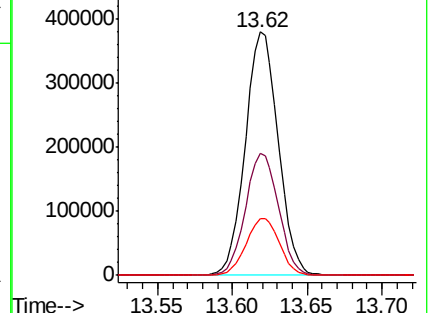
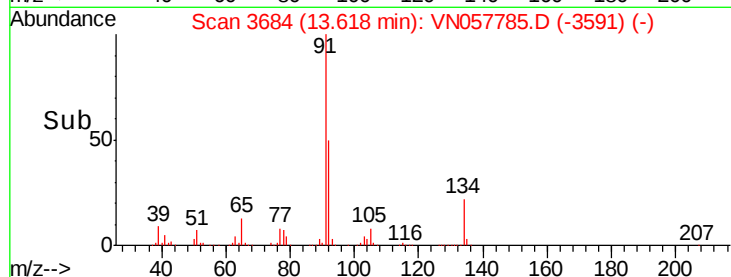
134 23.6 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN057705.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN057705.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN057705.D (-3669) (-)



#90

Hexachloroethane

Concen: 46.570 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN057785.D

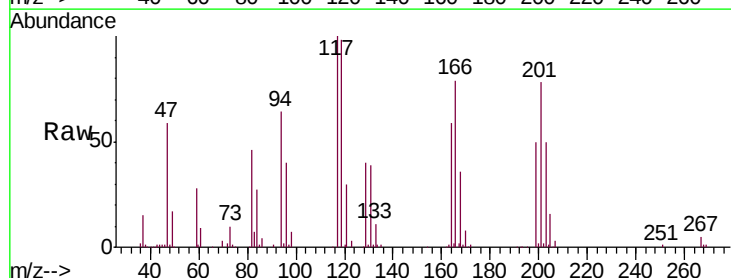
Acq: 8 Sep 2019 3:57

Tgt Ion: 117 Resp: 96453

Ion Ratio Lower Upper

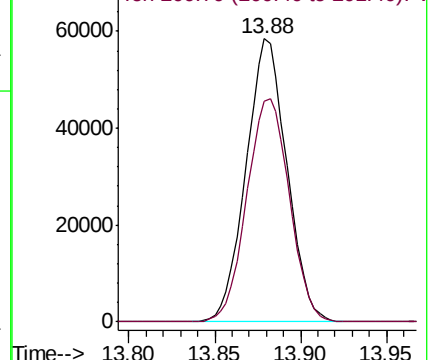
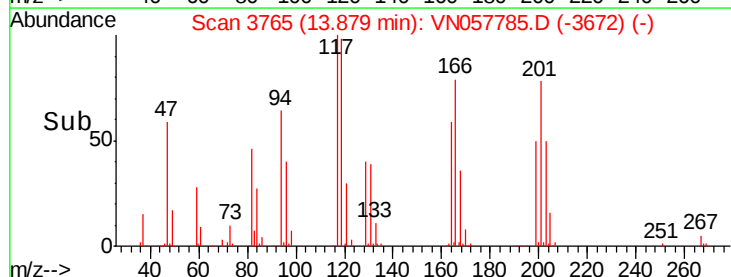
117 100

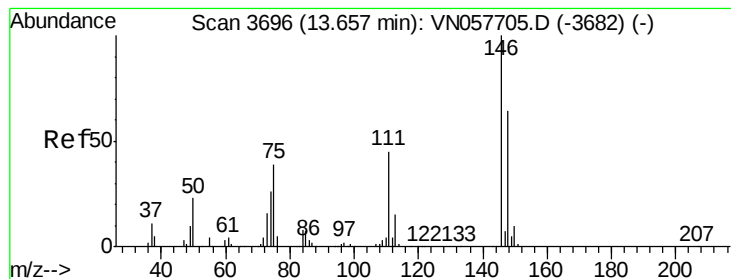
201 82.1 36.4 109.2



Abundance Ion 116.80 (116.50 to 117.50): VN057705.D (-3751) (-)

Ion 200.70 (200.40 to 201.40): VN057705.D (-3751) (-)





#91

1,2-Dichlorobenzene

Concen: 48.791 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

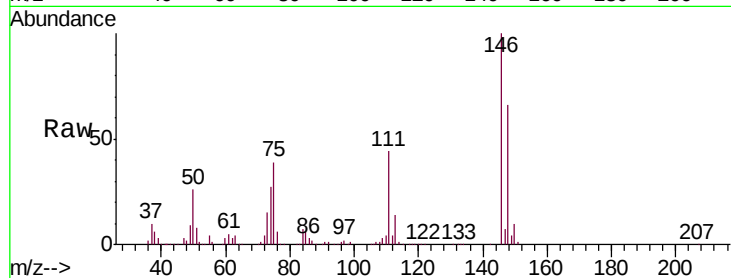
Tgt Ion: 146 Resp: 308423

Ion Ratio Lower Upper

146 100

111 43.9 22.8 68.3

148 65.2 31.6 95.0

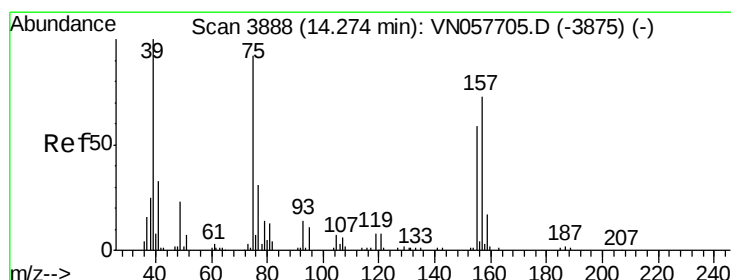
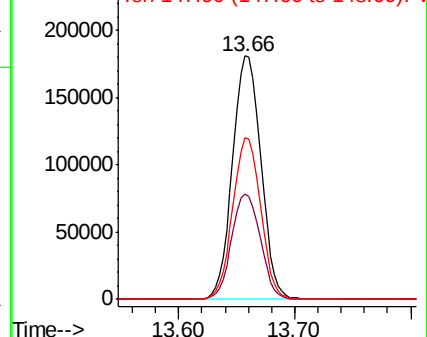
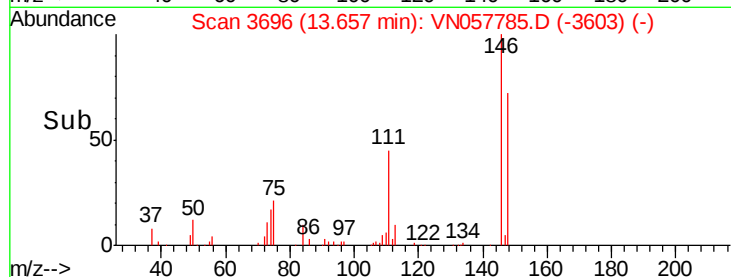


Abundance

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: 49.068 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

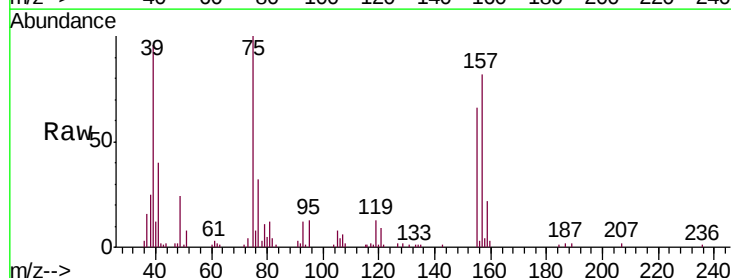
Tgt Ion: 75 Resp: 45825

Ion Ratio Lower Upper

75 100

155 66.1 30.1 90.5

157 85.3 38.1 114.5

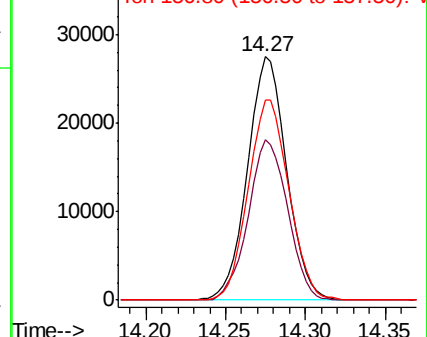
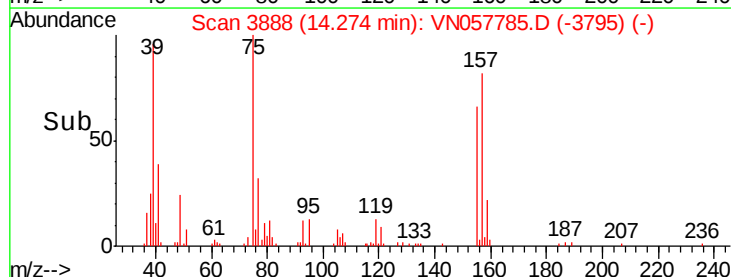


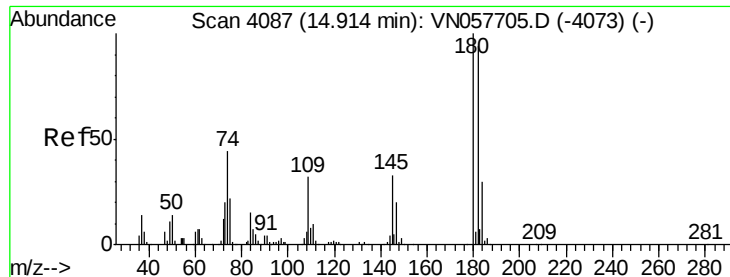
Abundance

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

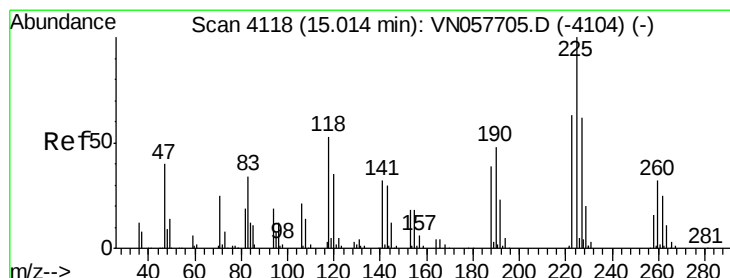
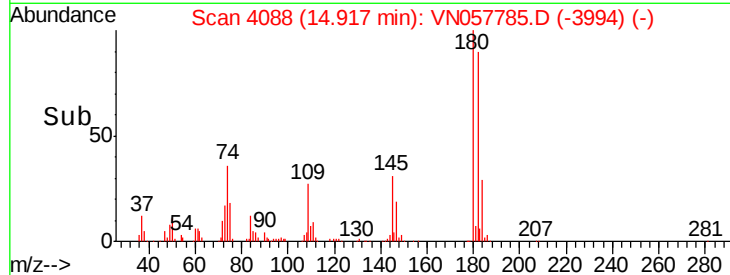
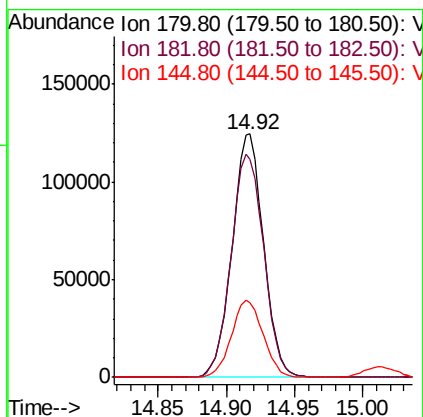
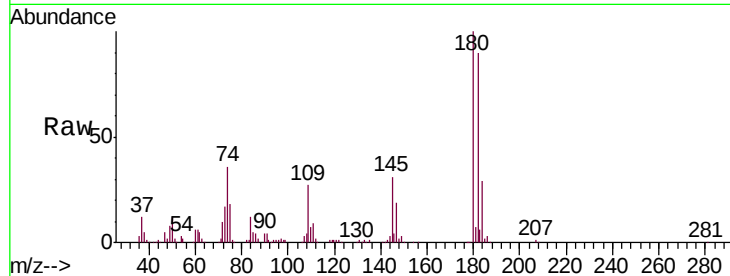




#93
 1,2,4-Trichlorobenzene
 Concen: 52.682 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

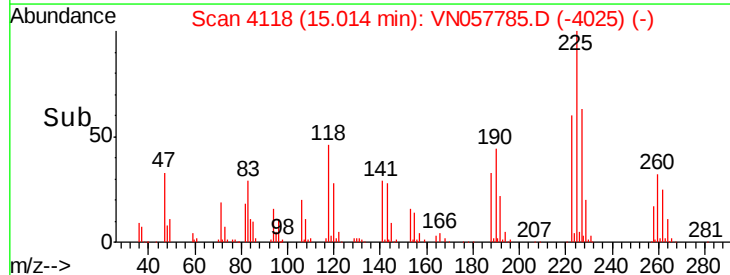
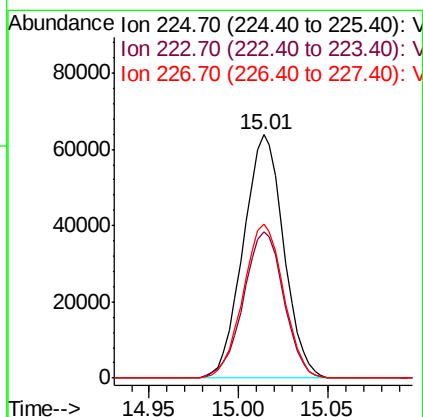
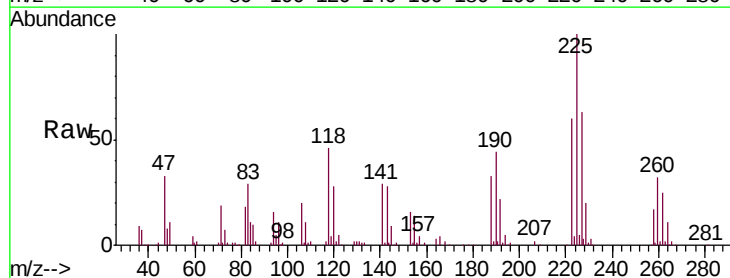
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

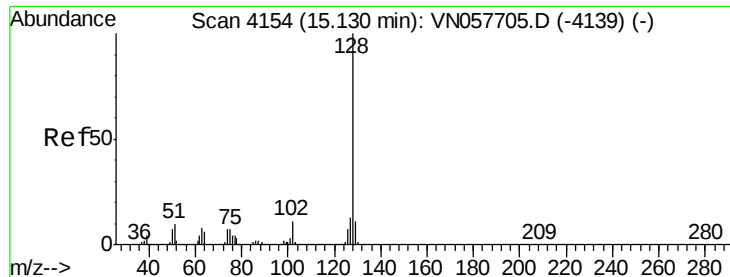
Tgt Ion:180 Resp: 199228
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.6 142.9
 145 31.9 16.6 49.7



#94
 Hexachlorobutadiene
 Concen: 54.780 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057785.D
 Acq: 8 Sep 2019 3:57

Tgt Ion:225 Resp: 100975
 Ion Ratio Lower Upper
 225 100
 223 60.1 31.6 95.0
 227 63.3 31.7 95.1





#95

Naphthalene

Concen: 48.632 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

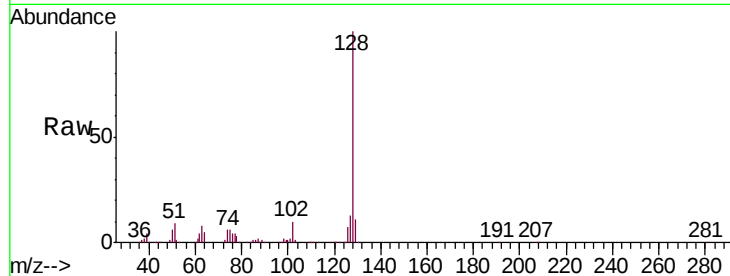
Tgt Ion:128 Resp: 533552

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

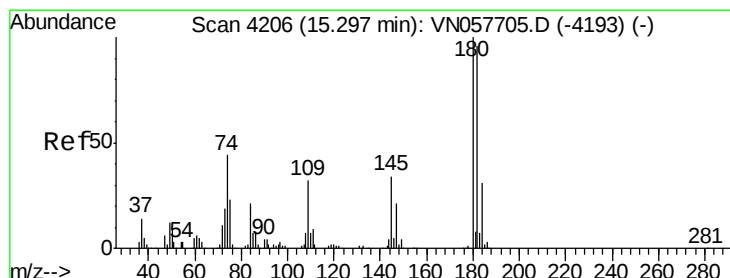
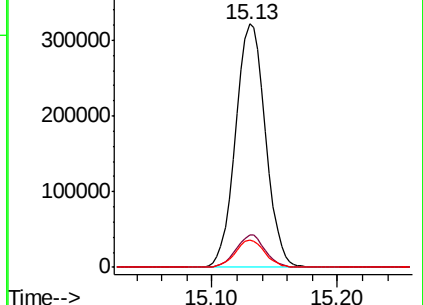
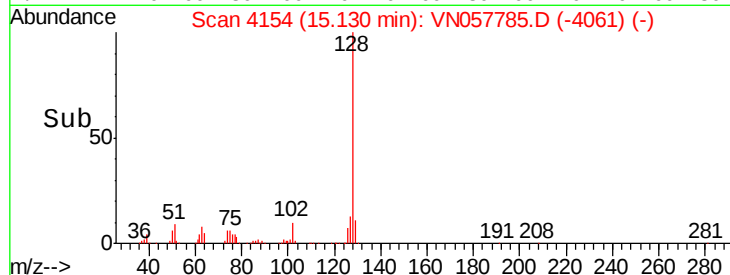
129 11.1 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.888 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN057785.D

Acq: 8 Sep 2019 3:57

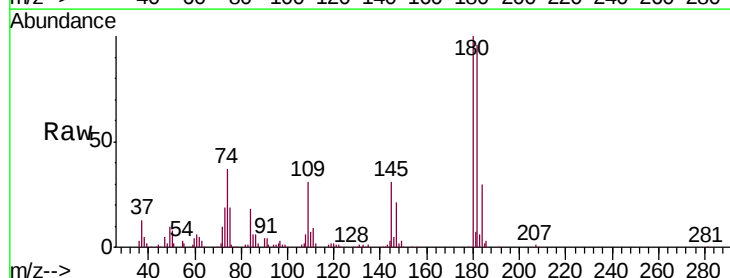
Tgt Ion:180 Resp: 188089

Ion Ratio Lower Upper

180 100

182 96.2 47.0 141.2

145 32.7 17.5 52.6



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

