

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100719\
 Data File : VX012858.D
 Acq On : 07 Oct 2019 23:46
 Operator : JC/SP
 Sample : VX1007WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 08 11:15:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	170089	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	295498	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	260908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	120501	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	119702	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	
35) Dibromofluoromethane	5.49	113	91806	52.17	ug/l	0.00
Spiked Amount			Recovery	=	104.34%	
50) Toluene-d8	8.71	98	342085	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	
62) 4-Bromofluorobenzene	11.14	95	135051	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	28562	14.927	ug/l	97
3) Chloromethane	1.32	50	33686	15.331	ug/l	98
4) Vinyl Chloride	1.40	62	36062	16.512	ug/l	99
5) Bromomethane	1.63	94	15769	18.364	ug/l	90
6) Chloroethane	1.71	64	25751	17.491	ug/l	97
7) Trichlorofluoromethane	1.92	101	53408	17.418	ug/l	98
8) Diethyl Ether	2.18	74	22869	18.199	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	33453	17.912	ug/l	98
10) Methyl Iodide	2.50	142	22762	15.376	ug/l	93
11) Tert butyl alcohol	3.03	59	64527	104.290	ug/l	95
12) 1,1-Dichloroethene	2.36	96	34348	18.782	ug/l	97
13) Acrolein	2.28	56	21804	70.904	ug/l	99
14) Allyl chloride	2.72	41	64008	17.641	ug/l	97
15) Acrylonitrile	3.13	53	120481	95.980	ug/l	98
16) Acetone	2.44	43	104002	79.274	ug/l	97
17) Carbon Disulfide	2.56	76	81372	15.872	ug/l	98
18) Methyl Acetate	2.76	43	62733	20.308	ug/l	95
19) Methyl tert-butyl Ether	3.19	73	136194	19.675	ug/l	99
20) Methylene Chloride	2.84	84	42049	18.950	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	37851	18.683	ug/l	93
22) Diisopropyl ether	3.85	45	135403	19.314	ug/l	89
23) Vinyl Acetate	3.80	43	566199	92.093	ug/l	98
24) 1,1-Dichloroethane	3.69	63	71777	18.835	ug/l	99
25) 2-Butanone	4.66	43	168940	89.809	ug/l	97
26) 2,2-Dichloropropane	4.57	77	47126	13.904	ug/l	93
27) cis-1,2-Dichloroethene	4.59	96	44895	19.098	ug/l	93
28) Bromochloromethane	5.01	49	26307	19.012	ug/l	97
29) Tetrahydrofuran	5.12	42	108846	94.934	ug/l	96
30) Chloroform	5.20	83	72951	18.711	ug/l	99
31) Cyclohexane	5.57	56	60436	17.530	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	62859	18.191	ug/l	99
36) 1,1-Dichloropropene	5.79	75	49947	17.536	ug/l	96
37) Ethyl Acetate	4.82	43	64680	19.424	ug/l	98
38) Carbon Tetrachloride	5.77	117	50278	17.377	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	59710	17.413	ug/l	95
40) Benzene	6.14	78	161736	19.299	ug/l	96
41) Methacrylonitrile	5.03	41	35228	18.855	ug/l	95
42) 1,2-Dichloroethane	6.19	62	60804	19.106	ug/l	98
43) Isopropyl Acetate	6.43	43	106095	19.052	ug/l	98
44) Trichloroethene	7.21	130	40641	18.970	ug/l	93
45) 1,2-Dichloropropane	7.51	63	42340	19.733	ug/l	95
46) Dibromomethane	7.65	93	27761	19.003	ug/l	99
47) Bromodichloromethane	7.89	83	54640	18.715	ug/l	97
48) Methyl methacrylate	7.76	41	50850	19.044	ug/l	92
49) 1,4-Dioxane	7.73	88	23823	393.352	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	333649	97.063	ug/l	96
52) Toluene	8.78	92	101321	19.236	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	58095	17.984	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	63777	18.082	ug/l	91
55) 1,1,2-Trichloroethane	9.21	97	42738	20.409	ug/l	96
56) Ethyl methacrylate	9.17	69	69685	19.808	ug/l	91
57) 1,3-Dichloropropane	9.37	76	73147	19.958	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	157349	99.641	ug/l	99
59) 2-Hexanone	9.48	43	247526	94.074	ug/l	93
60) Dibromochloromethane	9.58	129	40264	18.994	ug/l	99
61) 1,2-Dibromoethane	9.67	107	44204	20.283	ug/l	100
64) Tetrachloroethene	9.33	164	38576	21.206	ug/l	93
65) Chlorobenzene	10.14	112	106587	19.400	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	39508	19.847	ug/l	98
67) Ethyl Benzene	10.25	91	189351	19.002	ug/l	97
68) m/p-Xylenes	10.36	106	142869	38.273	ug/l	99
69) o-Xylene	10.70	106	69712	19.300	ug/l	98
70) Styrene	10.71	104	121118	20.002	ug/l	99
71) Bromoform	10.85	173	27034	19.503	ug/l #	96
73) Isopropylbenzene	11.01	105	187385	19.093	ug/l	100
74) N-amyl acetate	10.89	43	84387	18.023	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.26	83	64987	19.994	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	72498	22.744	ug/l	86
77) Bromobenzene	11.25	156	43049	19.380	ug/l	99
78) n-propylbenzene	11.35	91	206729	18.710	ug/l	99
79) 2-Chlorotoluene	11.42	91	131465	19.073	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	159183	19.341	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	17126	15.397	ug/l	98
82) 4-Chlorotoluene	11.51	91	149182	18.986	ug/l	98
83) tert-Butylbenzene	11.76	119	152564	19.217	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	160774	19.365	ug/l	100
85) sec-Butylbenzene	11.94	105	176096	19.070	ug/l	99
86) p-Isopropyltoluene	12.06	119	159657	19.162	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	79008	19.765	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	78460	19.424	ug/l	99
89) n-Butylbenzene	12.39	91	132902	18.101	ug/l	99
90) Hexachloroethane	12.59	117	26280	17.692	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	79261	19.805	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	14703	18.083	ug/l	97

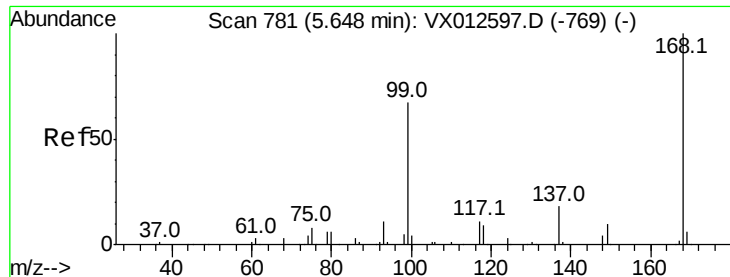
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	47760	19.569	ug/l	99
94) Hexachlorobutadiene	13.78	225	20488	19.513	ug/l	97
95) Naphthalene	13.83	128	177997	20.158	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	49657	20.311	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012858.D

Acq: 07 Oct 2019 23:46

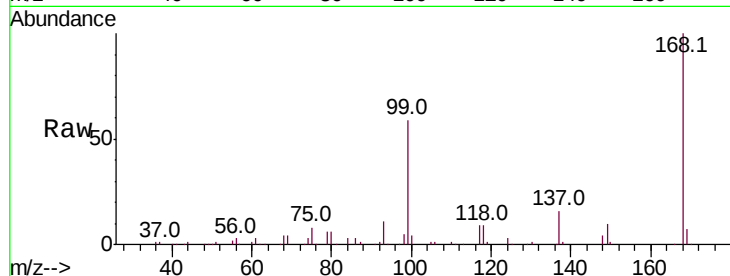
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 170089

Ion Ratio Lower Upper

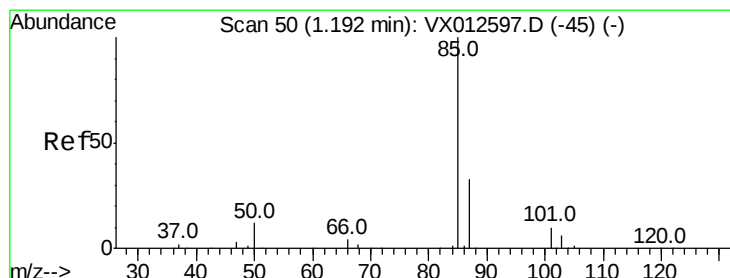
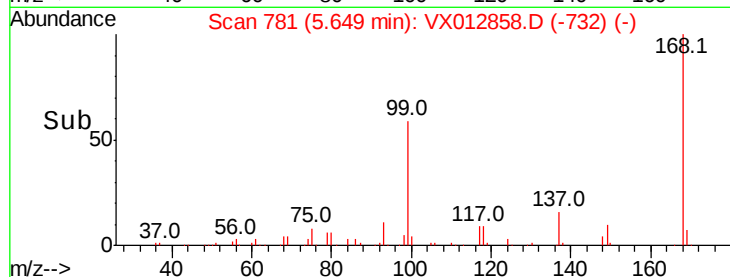
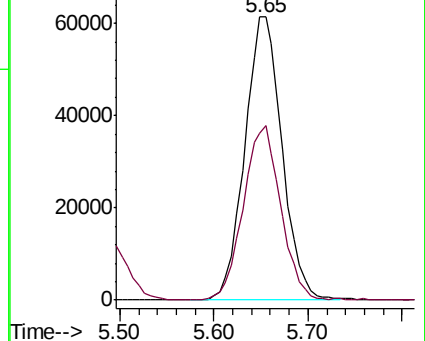
168 100

99 58.9 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 14.927 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012858.D

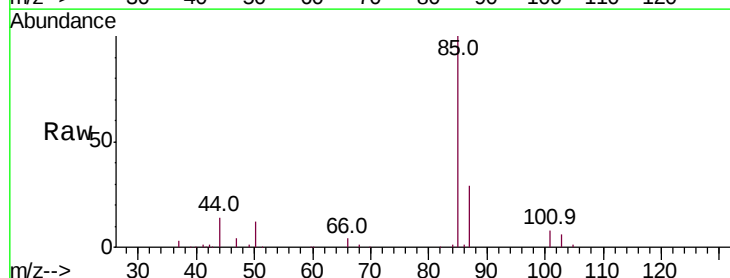
Acq: 07 Oct 2019 23:46

Tgt Ion: 85 Resp: 28562

Ion Ratio Lower Upper

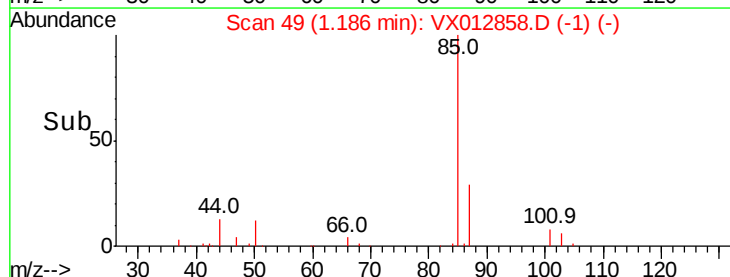
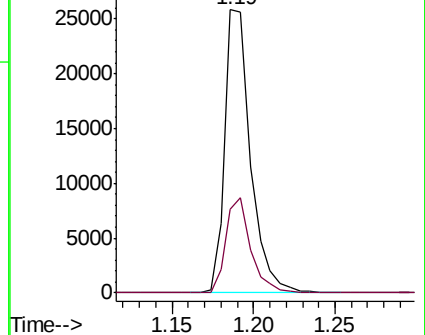
85 100

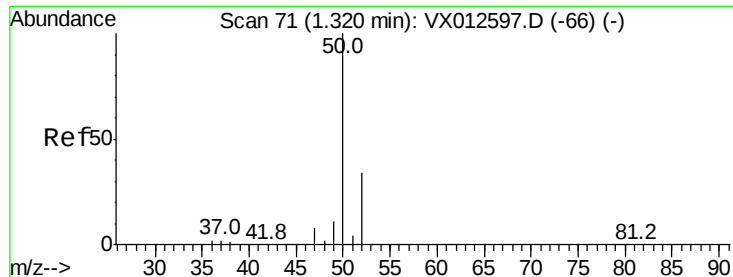
87 29.4 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 15.331 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012858.D

Acq: 07 Oct 2019 23:46

Instrument :

MSVOA_X

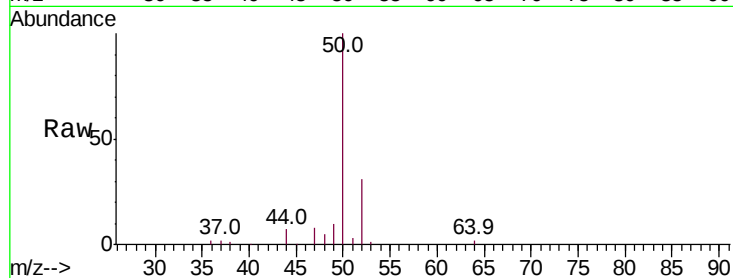
ClientSampleId :

Tot Ion: 50 Resp: 33686

Ion Ratio Lower Upper

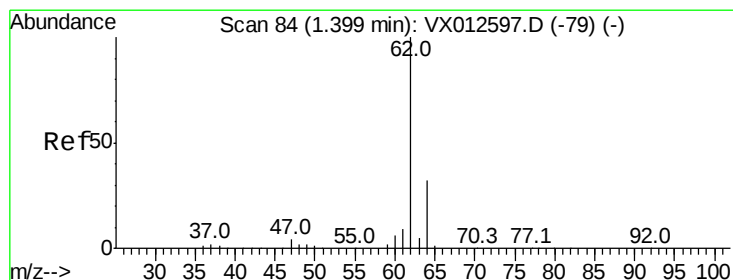
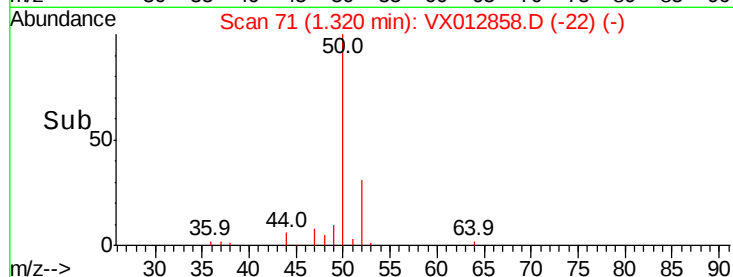
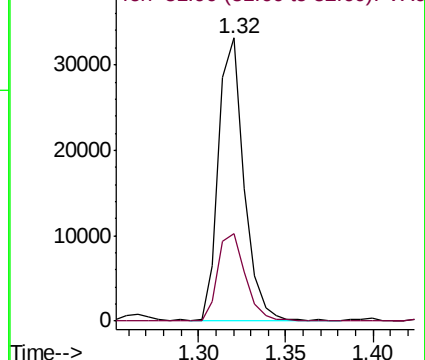
50 100

52 30.9 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 16.512 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012858.D

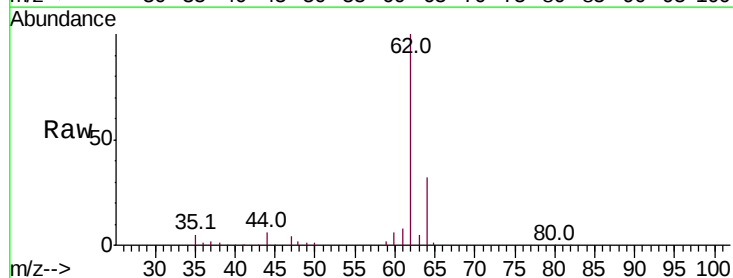
Acq: 07 Oct 2019 23:46

Tgt Ion: 62 Resp: 36062

Ion Ratio Lower Upper

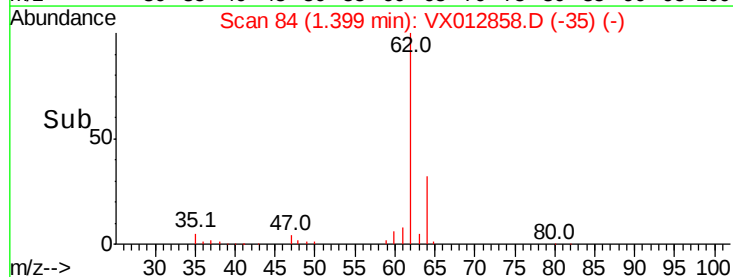
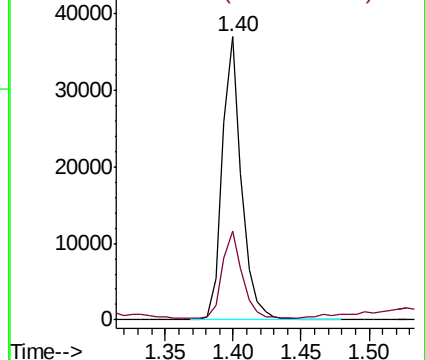
62 100

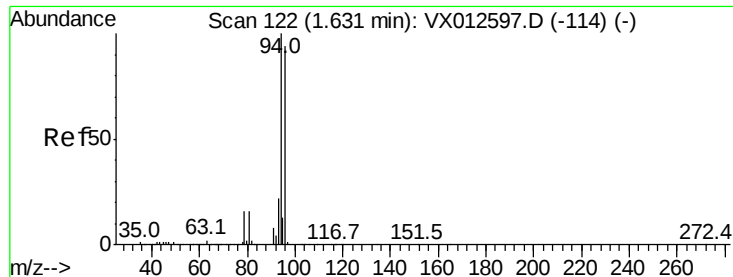
64 30.8 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 18.364 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012858.D

Acq: 07 Oct 2019 23:46

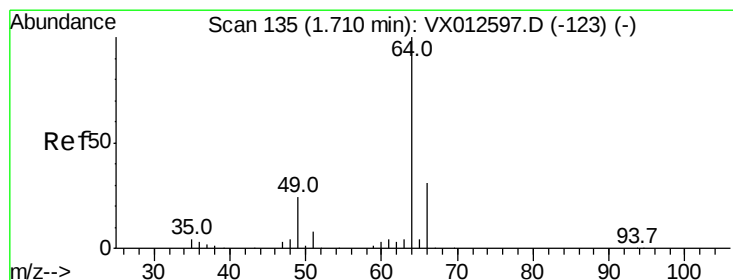
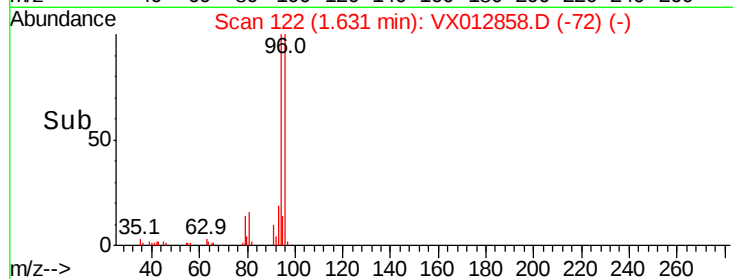
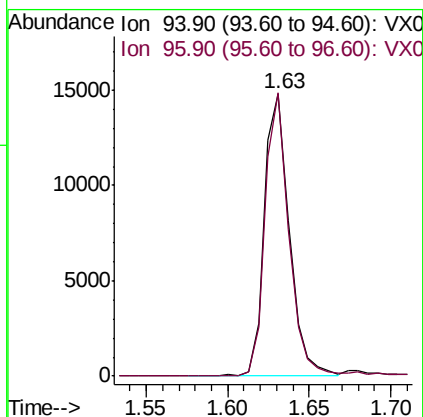
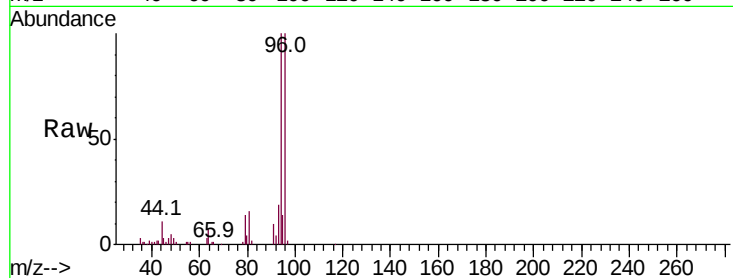
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 94 Resp: 15769

Ion Ratio Lower Upper

94 100

96 100.2 72.8 109.2



#6

Chloroethane

Concen: 17.491 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012858.D

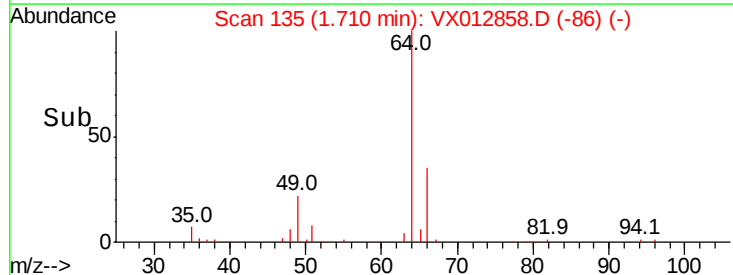
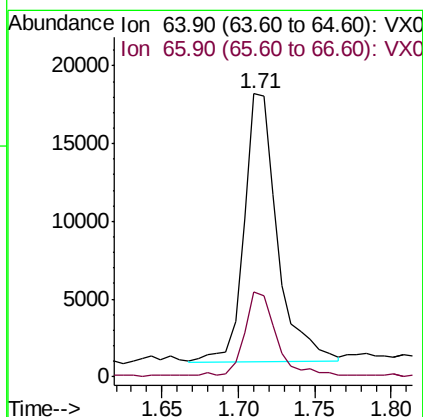
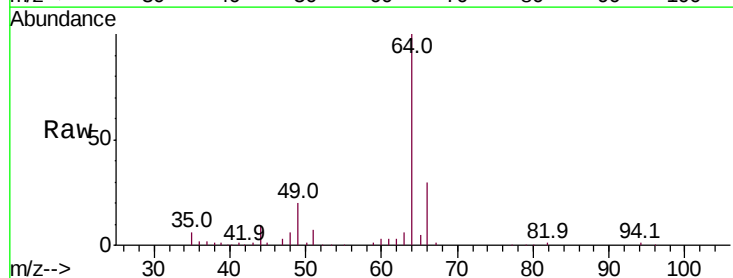
Acq: 07 Oct 2019 23:46

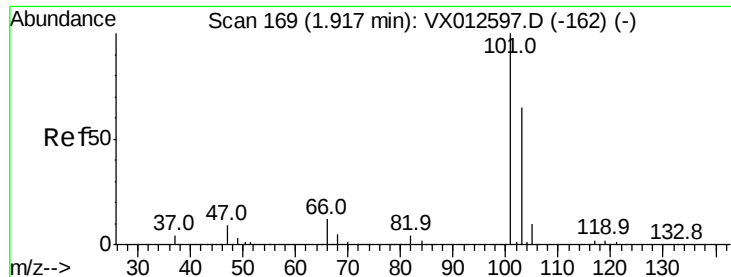
Tgt Ion: 64 Resp: 25751

Ion Ratio Lower Upper

64 100

66 31.5 24.0 36.0



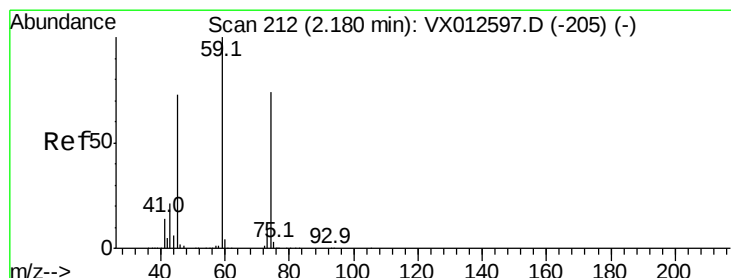
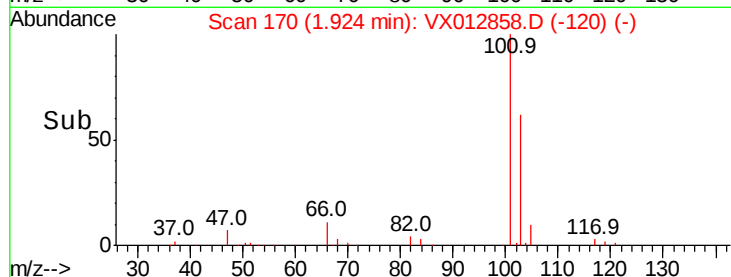
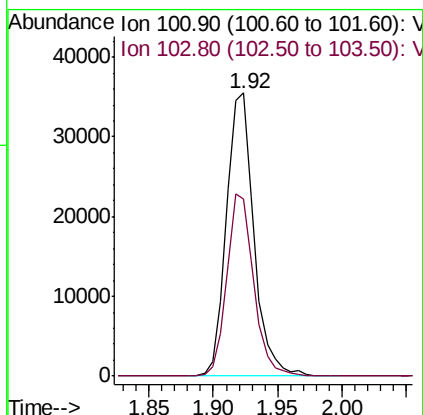
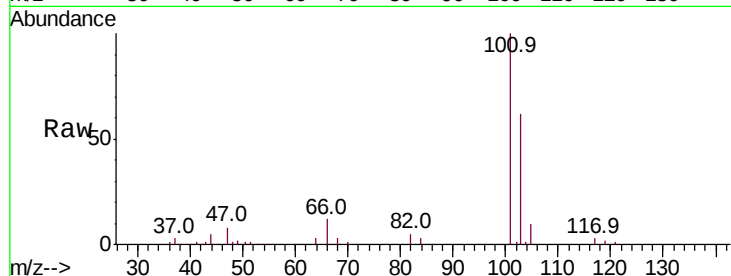


#7

Trichlorofluoromethane
Concen: 17.418 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX012858.D
Acq: 07 Oct 2019 23:46

Instrument :
MSVOA_X
ClientSampleId :

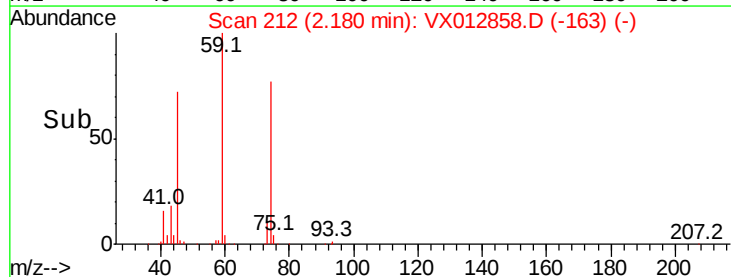
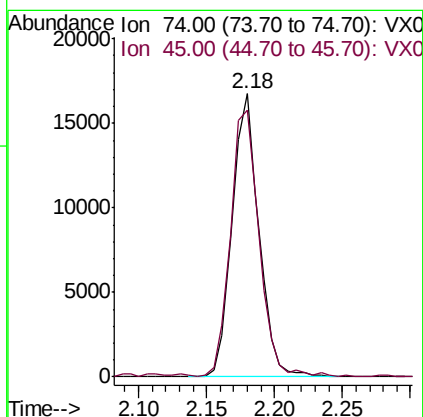
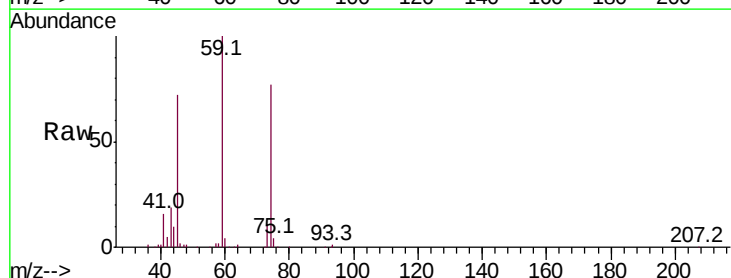
Tot Ion:101 Resp: 53408
Ion Ratio Lower Upper
101 100
103 62.4 51.0 76.4

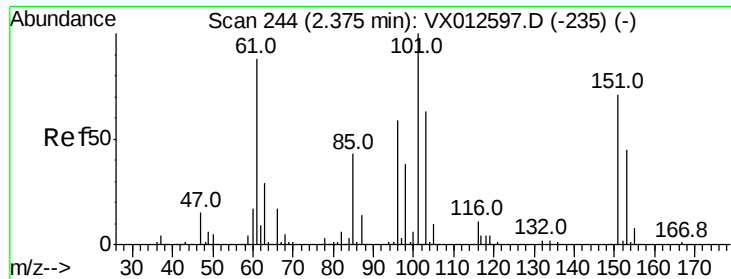


#8

Diethyl Ether
Concen: 18.199 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX012858.D
Acq: 07 Oct 2019 23:46

Tgt Ion: 74 Resp: 22869
Ion Ratio Lower Upper
74 100
45 101.8 49.9 149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.912 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX012858.D

Acq: 07 Oct 2019 23:46

Instrument :

MSVOA_X

ClientSampleId :

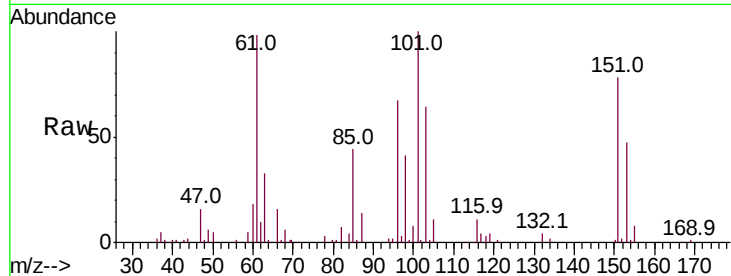
Tot Ion:101 Resp: 33453

Ion Ratio Lower Upper

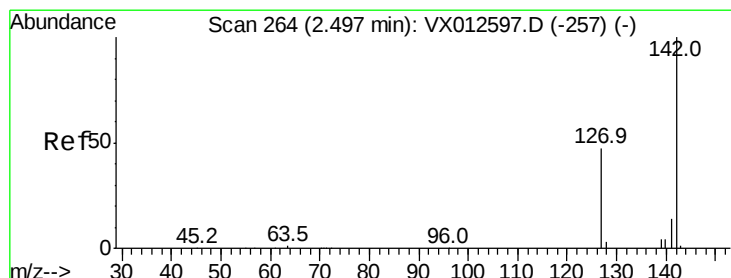
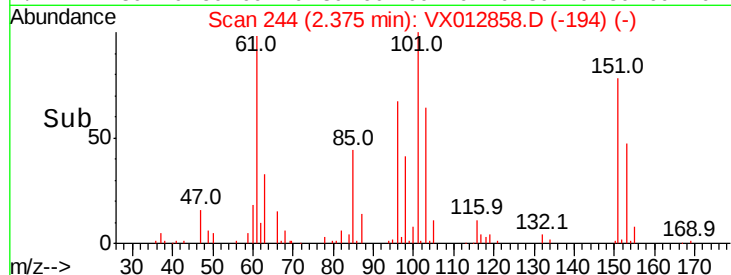
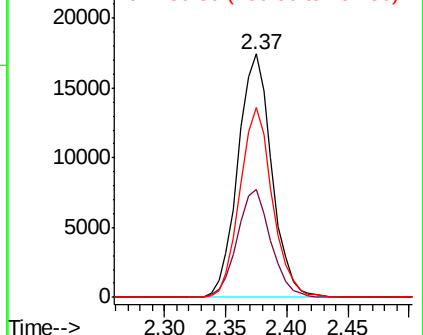
101 100

85 44.0 37.3 55.9

151 75.3 61.0 91.4



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.376 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX012858.D

Acq: 07 Oct 2019 23:46

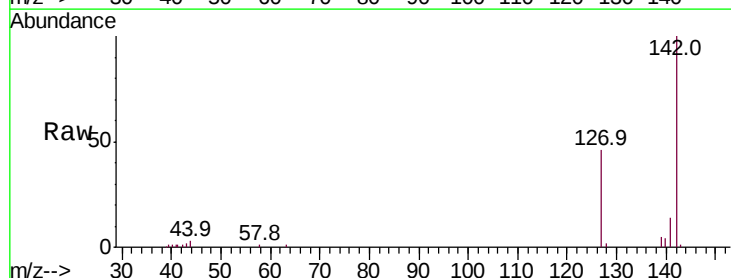
Tgt Ion:142 Resp: 22762

Ion Ratio Lower Upper

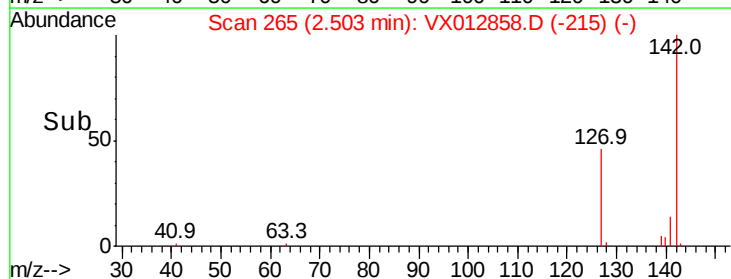
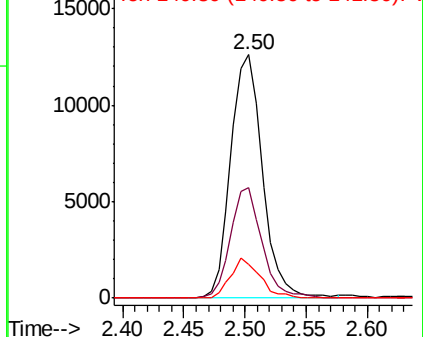
142 100

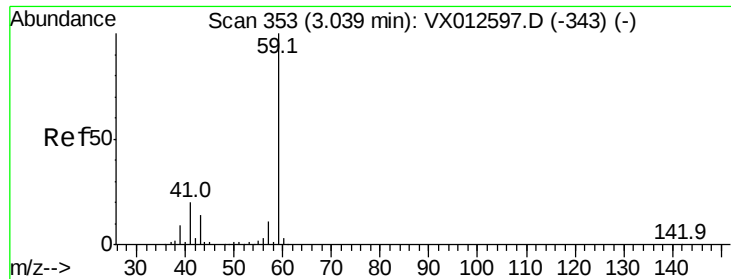
127 44.4 40.8 61.2

141 14.9 12.1 18.1



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



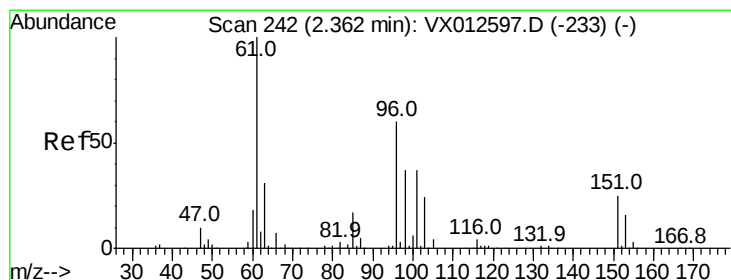
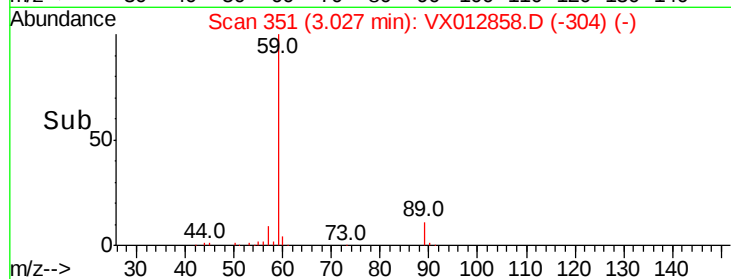
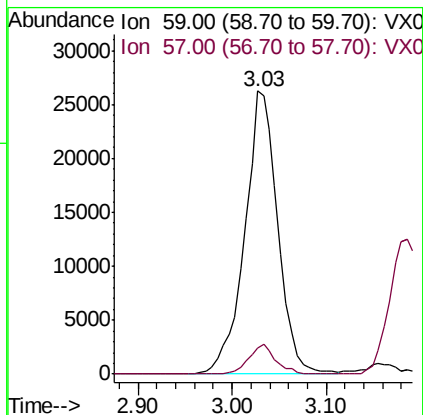
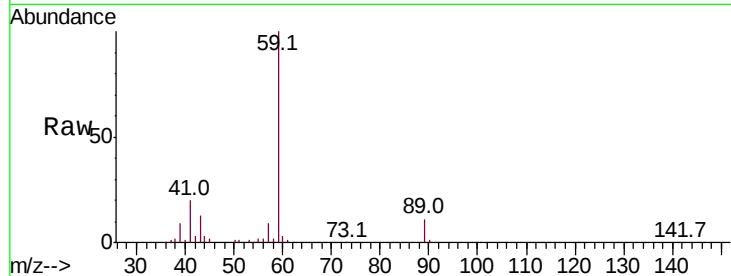


#11

Tert butyl alcohol
Concen: 104.290 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX012858.D
Acq: 07 Oct 2019 23:46

Instrument :
MSVOA_X
ClientSampleId :

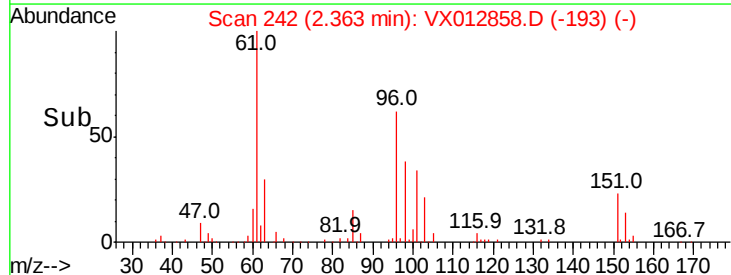
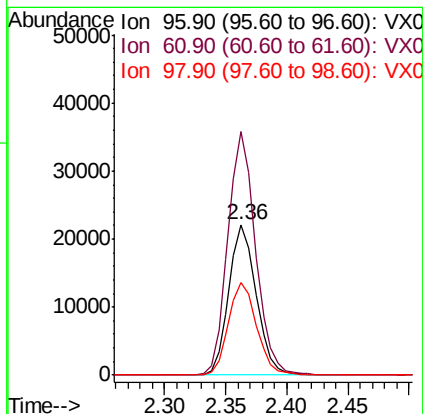
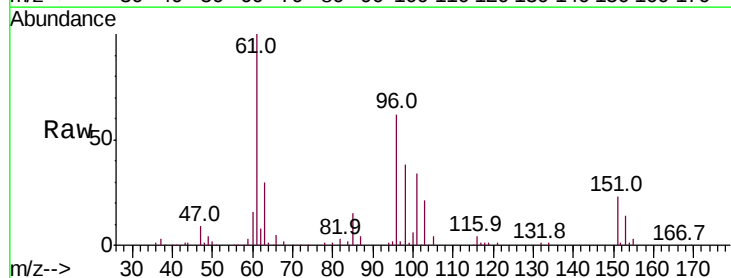
Tot Ion: 59 Resp: 64527
Ion Ratio Lower Upper
59 100
57 8.5 8.3 12.5

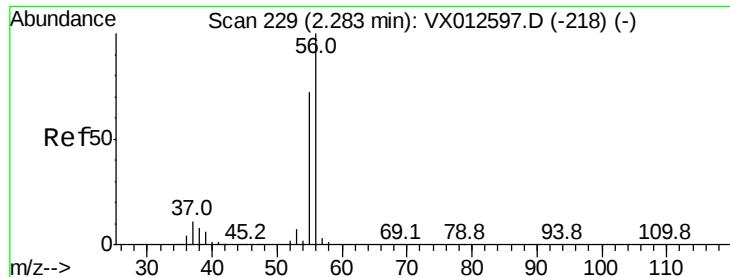


#12

1,1-Dichloroethene
Concen: 18.782 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX012858.D
Acq: 07 Oct 2019 23:46

Tgt Ion: 96 Resp: 34348
Ion Ratio Lower Upper
96 100
61 161.9 133.8 200.6
98 61.2 49.9 74.9





#13

Acrolein

Concen: 70.904 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012858.D

Acq: 07 Oct 2019 23:46

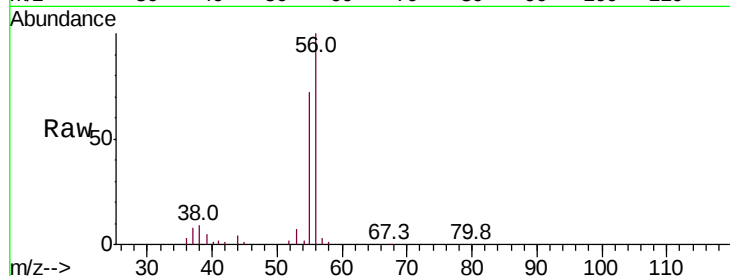
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 21804

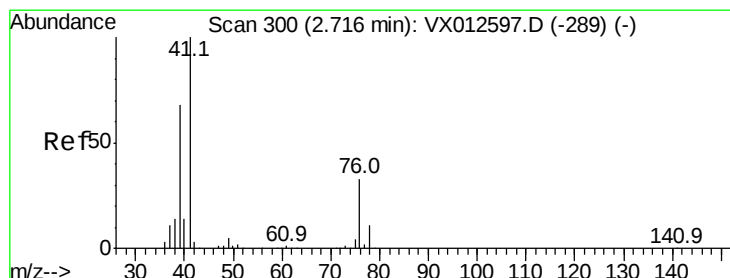
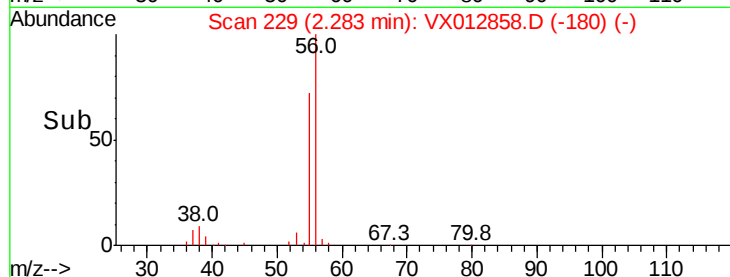
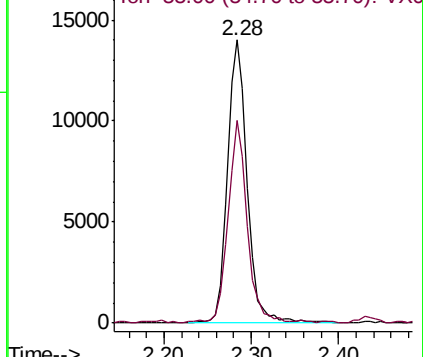
Ion Ratio Lower Upper

56 100

55 70.2 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 17.641 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012858.D

Acq: 07 Oct 2019 23:46

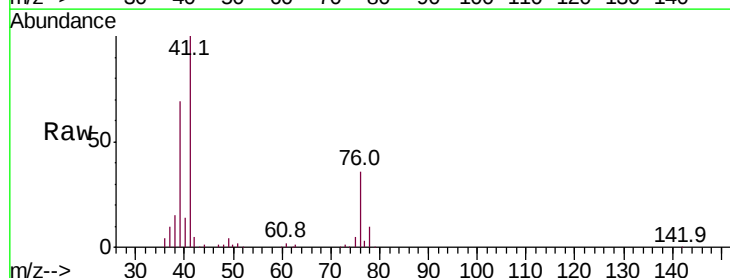
Tgt Ion: 41 Resp: 64008

Ion Ratio Lower Upper

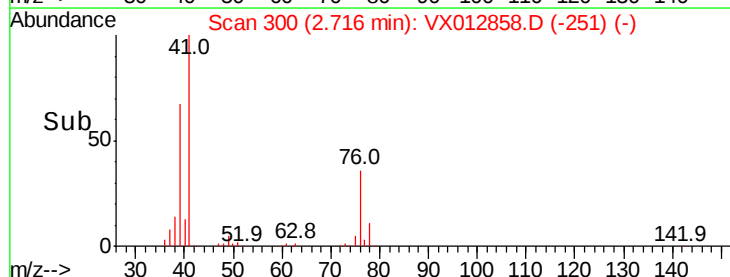
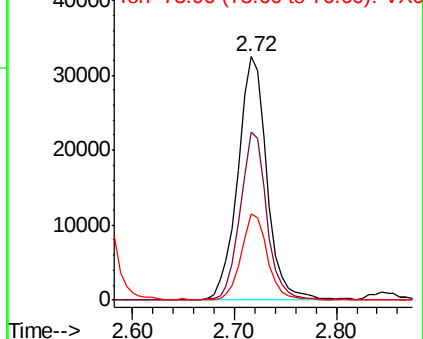
41 100

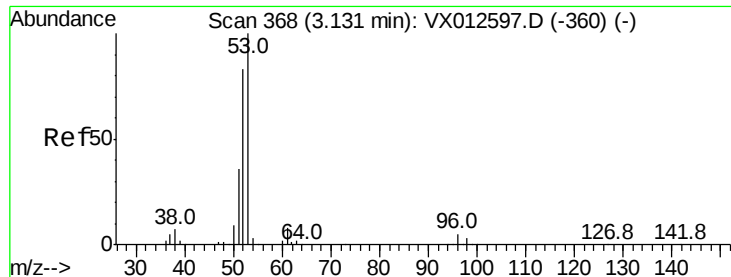
39 63.1 51.3 76.9

76 32.0 22.6 33.8



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 95.980 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012858.D

Acq: 07 Oct 2019 23:46

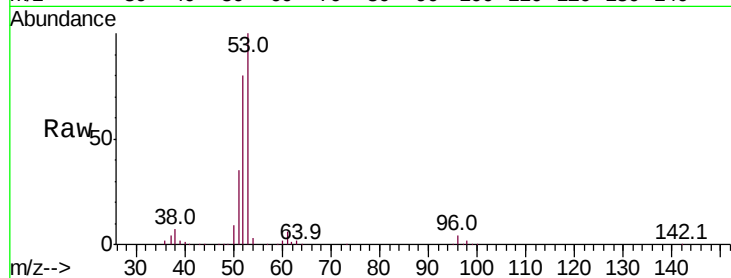
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 53 Resp: 120481

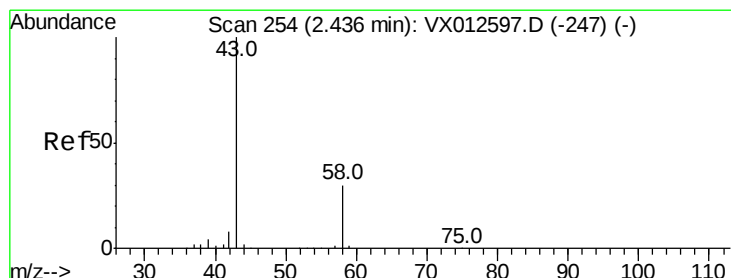
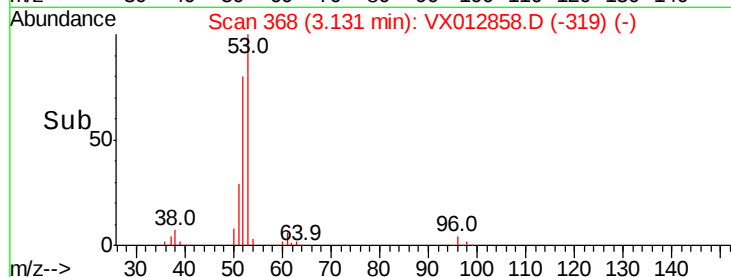
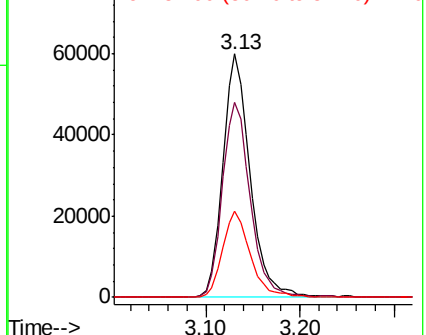
Ion	Ratio	Lower	Upper
53	100		
52	81.5	67.0	100.4
51	36.1	29.6	44.4



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 79.274 ug/l

RT: 2.44 min Scan# 254

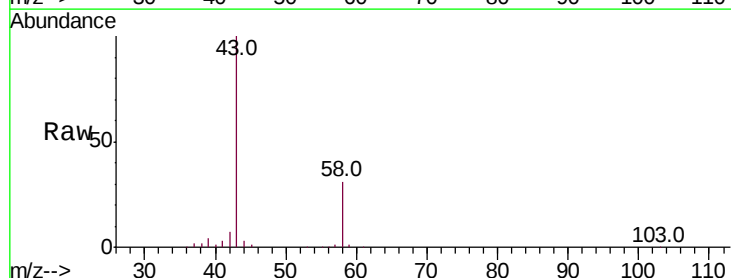
Delta R.T. 0.00 min

Lab File: VX012858.D

Acq: 07 Oct 2019 23:46

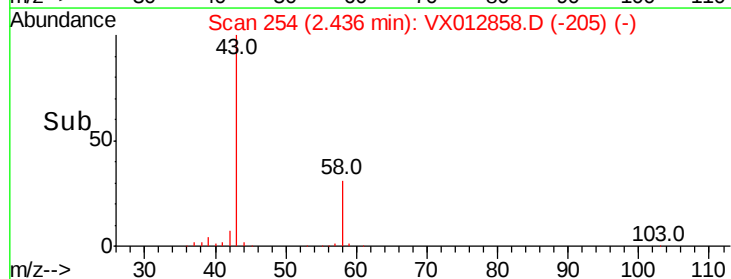
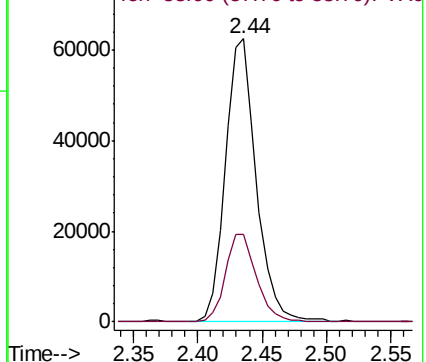
Tgt Ion: 43 Resp: 104002

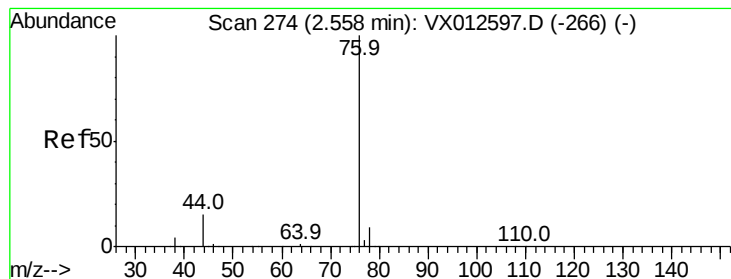
Ion	Ratio	Lower	Upper
43	100		
58	31.0	23.3	34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 15.872 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012858.D

Acq: 07 Oct 2019 23:46

Instrument :

MSVOA_X

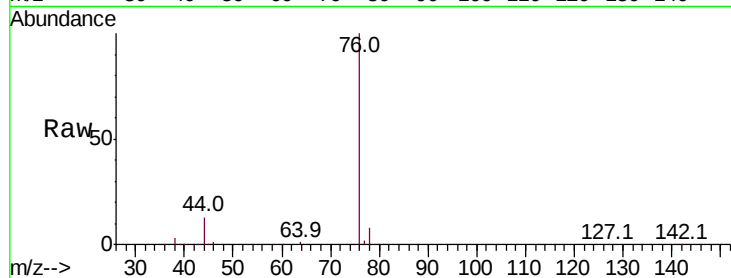
ClientSampled :

Tot Ion: 76 Resp: 81372

Ion Ratio Lower Upper

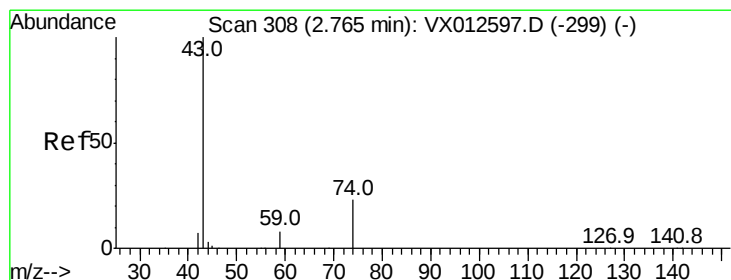
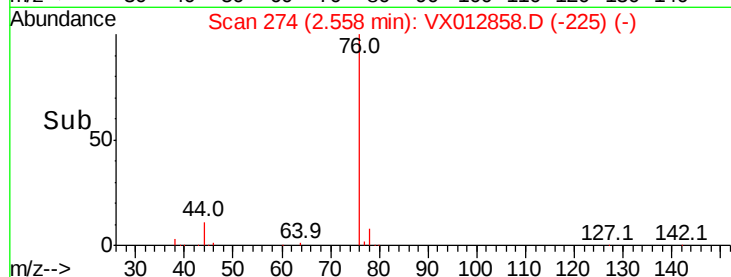
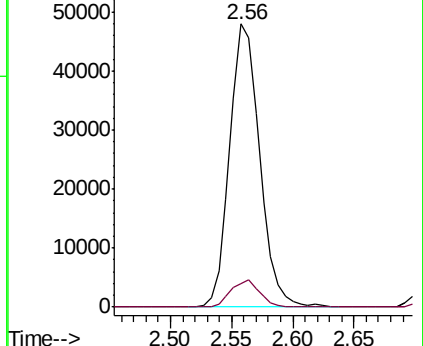
76 100

78 8.4 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 20.308 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX012858.D

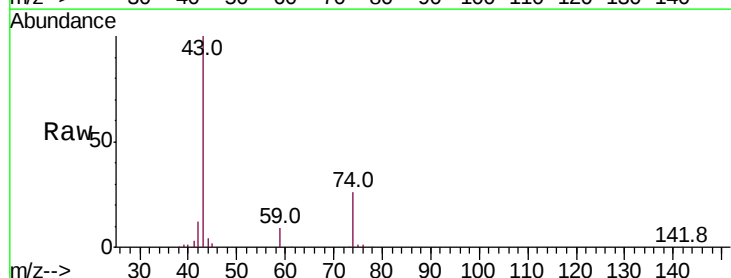
Acq: 07 Oct 2019 23:46

Tgt Ion: 43 Resp: 62733

Ion Ratio Lower Upper

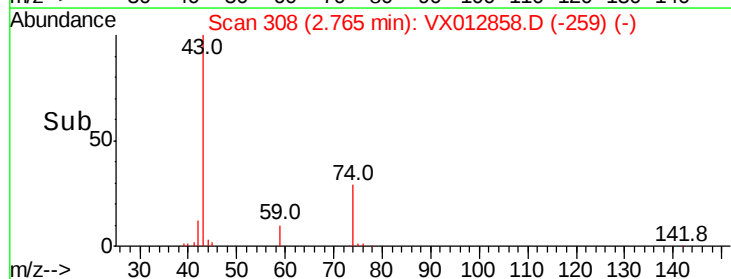
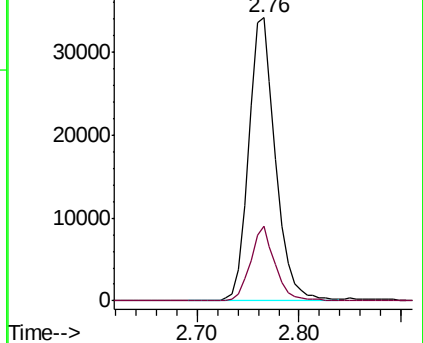
43 100

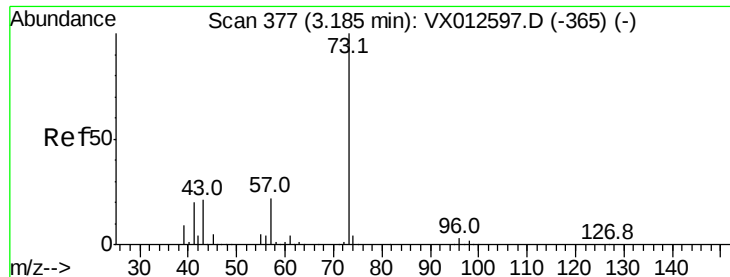
74 24.3 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



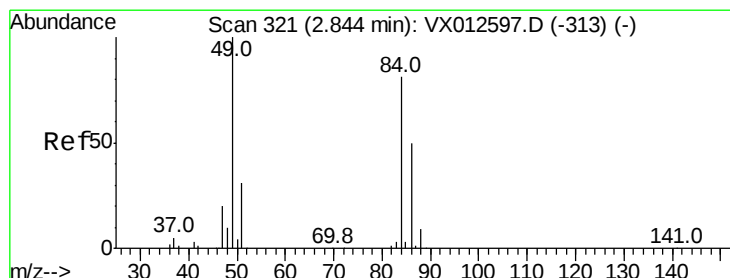
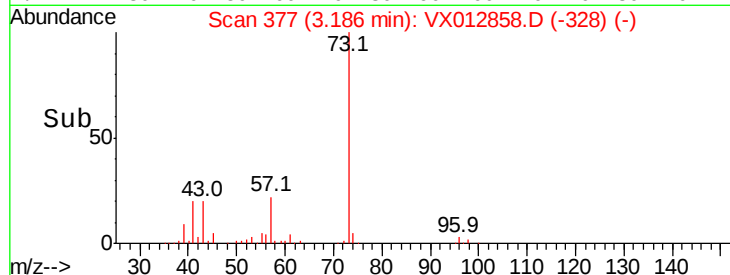
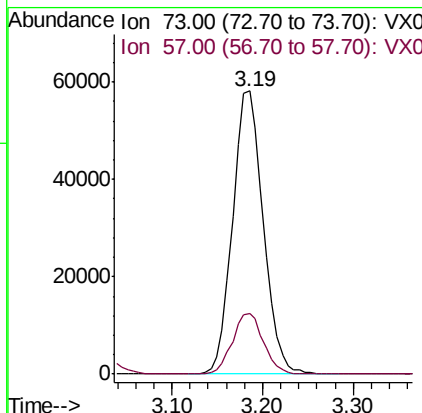
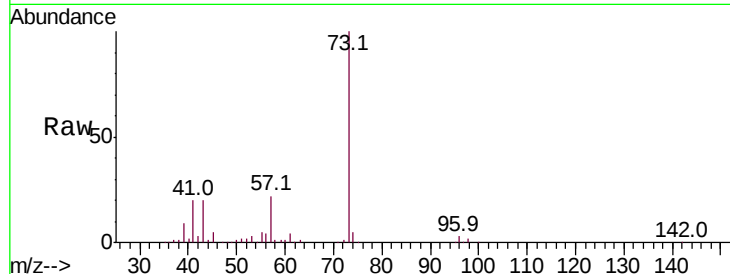


#19

Methyl tert-butyl Ether
 Concen: 19.675 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. 0.00 min
 Lab File: VX012858.D
 Acq: 07 Oct 2019 23:46

Instrument :
 MSVOA_X
 ClientSampleId :

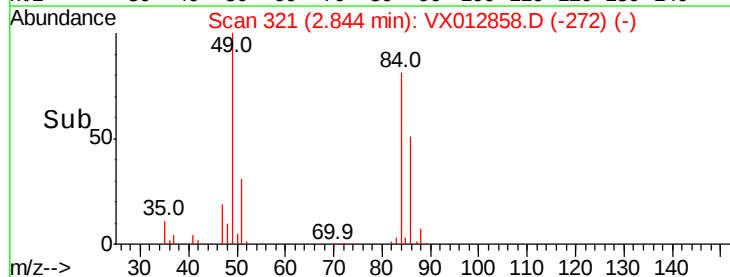
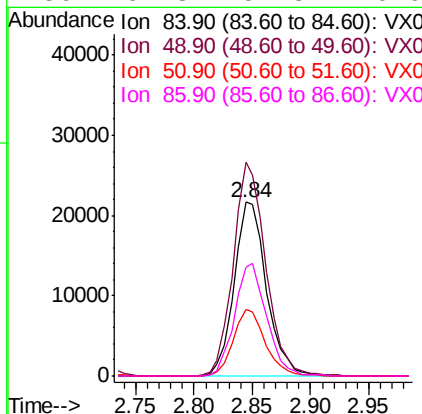
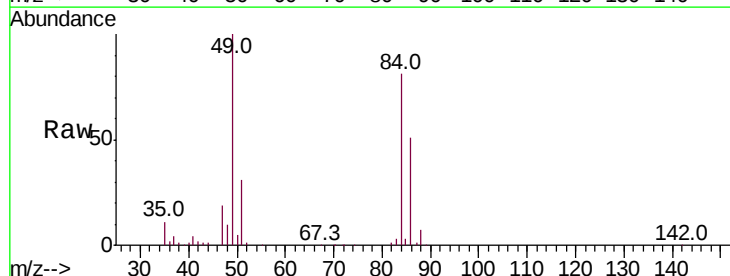
Tot Ion: 73 Resp: 136194
 Ion Ratio Lower Upper
 73 100
 57 21.5 16.8 25.2

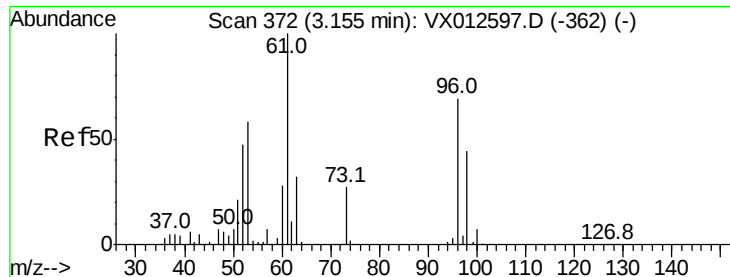


#20

Methylene Chloride
 Concen: 18.950 ug/l
 RT: 2.84 min Scan# 321
 Delta R.T. 0.00 min
 Lab File: VX012858.D
 Acq: 07 Oct 2019 23:46

Tgt Ion: 84 Resp: 42049
 Ion Ratio Lower Upper
 84 100
 49 122.9 106.8 160.2
 51 38.1 32.3 48.5
 86 62.3 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 18.683 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012858.D

Acq: 07 Oct 2019 23:46

Instrument :
MSVOA_X
ClientSampleId :

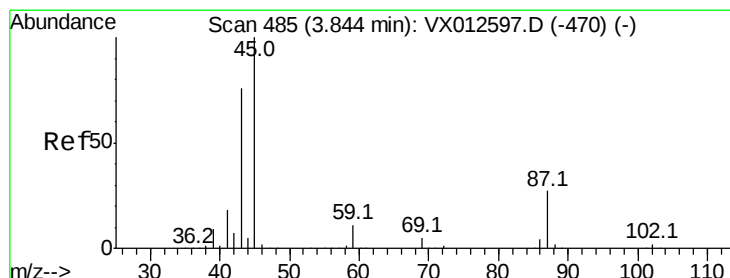
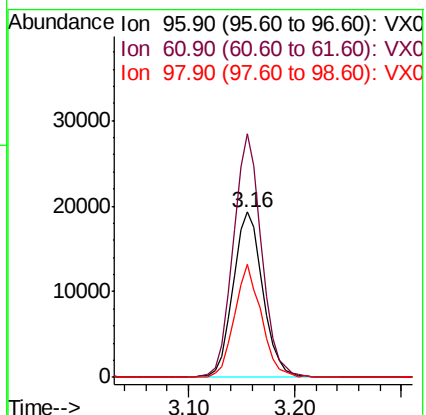
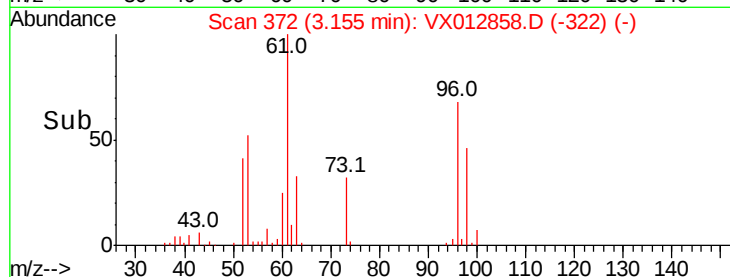
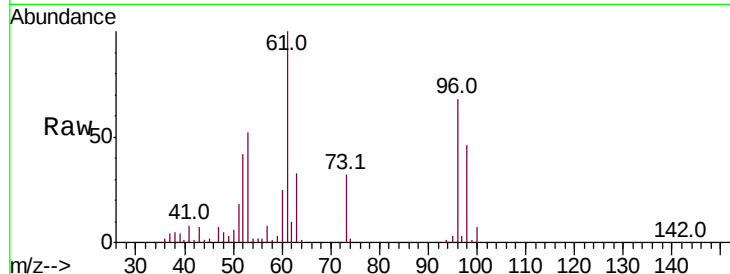
Tot Ion: 96 Resp: 37851

Ion Ratio Lower Upper

96 100

61 147.1 112.0 168.0

98 68.1 47.8 71.8



#22

Diisopropyl ether

Concen: 19.314 ug/l

RT: 3.85 min Scan# 486

Delta R.T. 0.01 min

Lab File: VX012858.D

Acq: 07 Oct 2019 23:46

Tgt Ion: 45 Resp: 135403

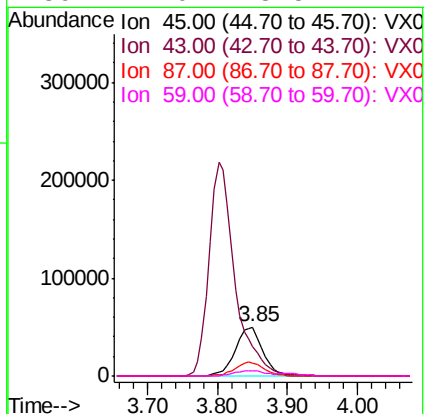
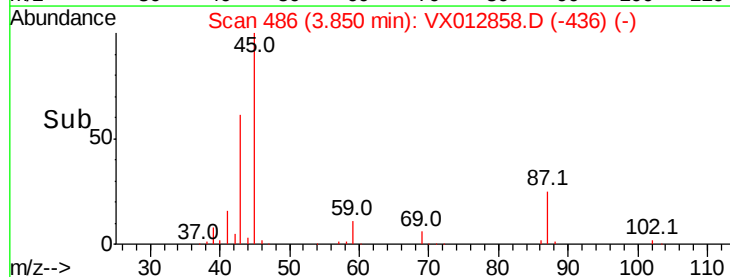
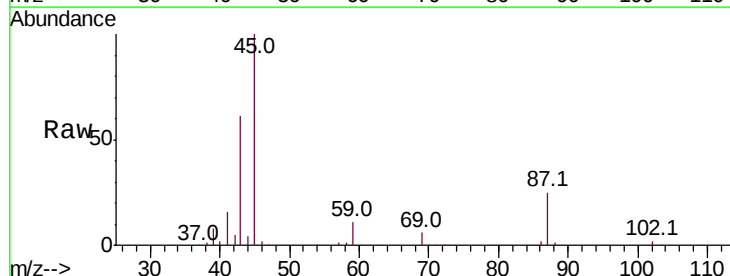
Ion Ratio Lower Upper

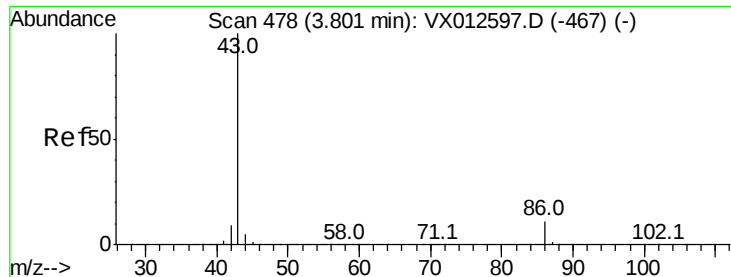
45 100

43 59.9 57.8 86.8

87 25.3 21.3 31.9

59 11.0 8.5 12.7





#23

Vinyl Acetate

Concen: 92.093 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012858.D

Acq: 07 Oct 2019 23:46

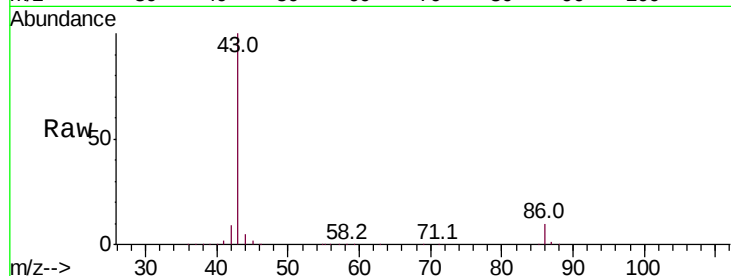
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 566199

Ion Ratio Lower Upper

43 100

86 10.5 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

250000

200000

150000

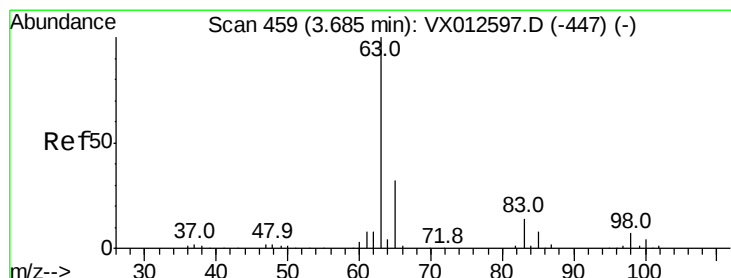
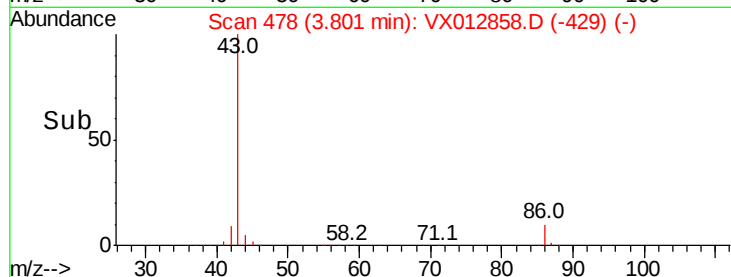
100000

50000

0

3.60 3.80 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 18.835 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012858.D

Acq: 07 Oct 2019 23:46

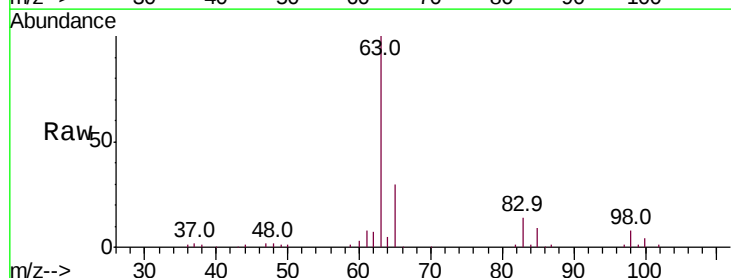
Tgt Ion: 63 Resp: 71777

Ion Ratio Lower Upper

63 100

98 7.6 3.9 11.7

100 4.1 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

40000

30000

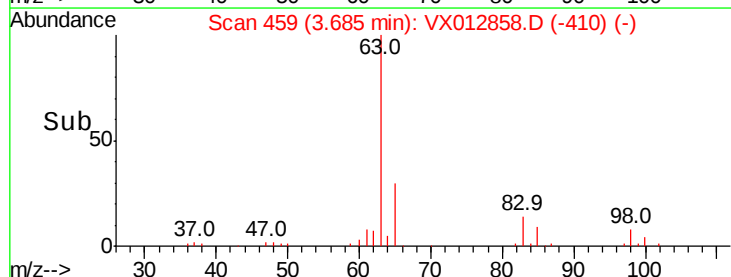
20000

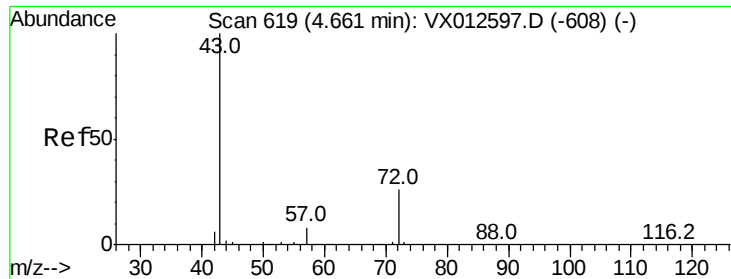
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 89.809 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012858.D

Acq: 07 Oct 2019 23:46

Instrument :

MSVOA_X

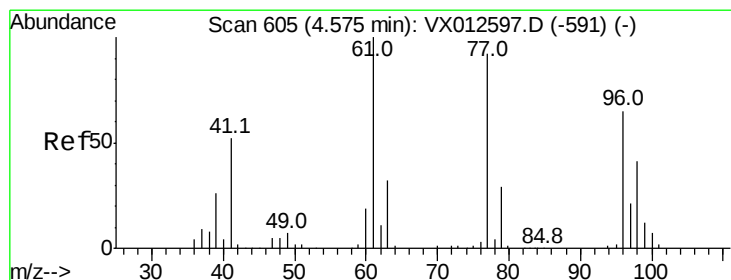
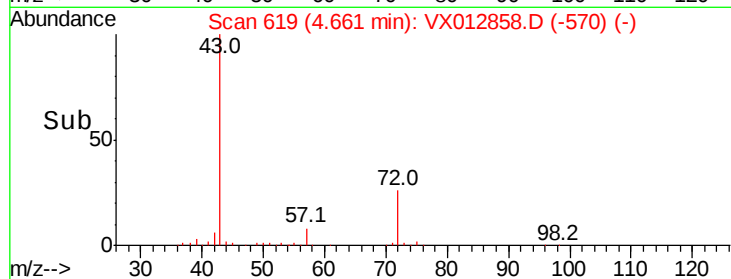
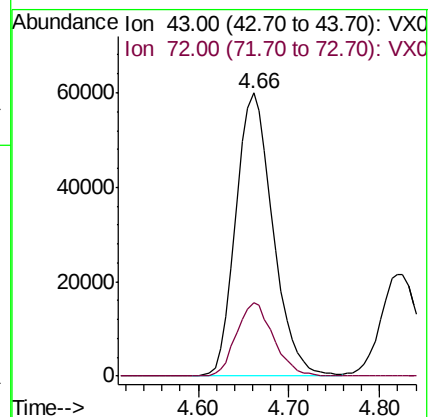
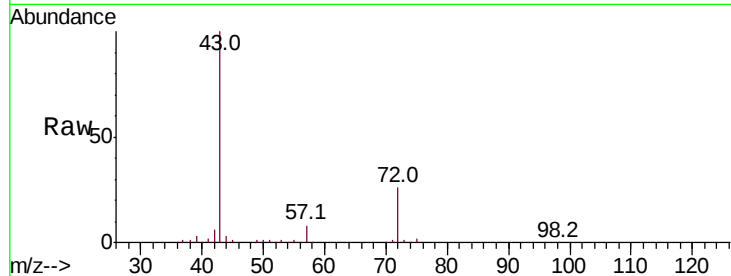
ClientSampled :

Tot Ion: 43 Resp: 168940

Ion Ratio Lower Upper

43 100

72 25.7 19.2 28.8



#26

2,2-Dichloropropane

Concen: 13.904 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012858.D

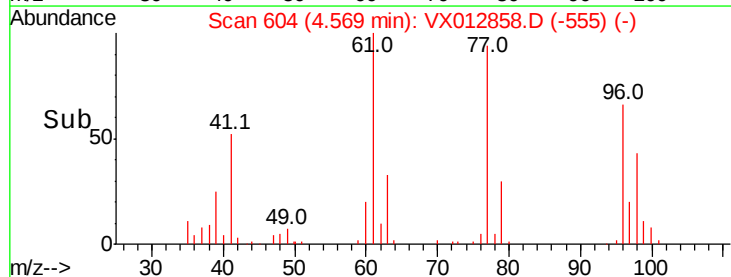
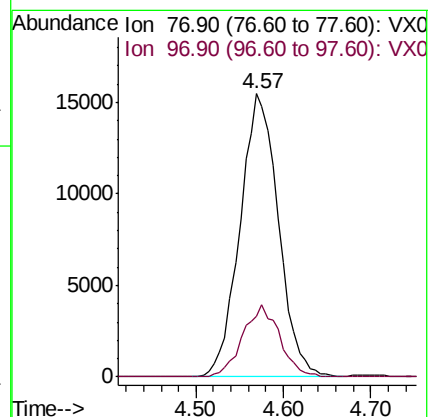
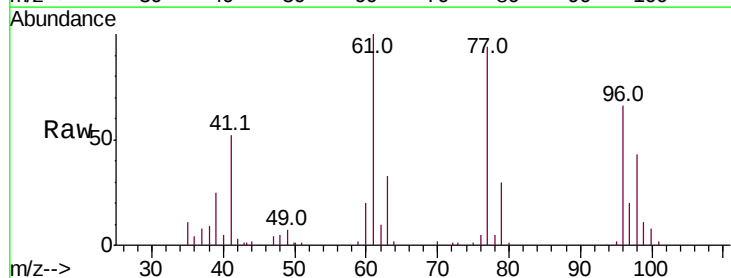
Acq: 07 Oct 2019 23:46

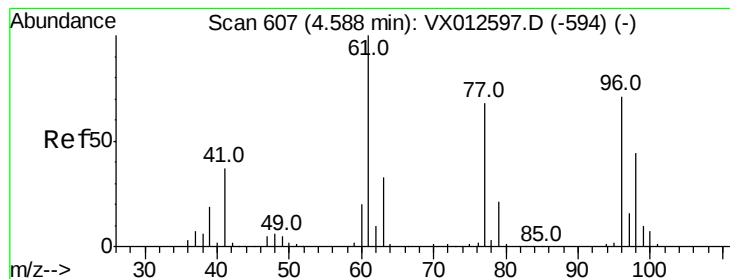
Tgt Ion: 77 Resp: 47126

Ion Ratio Lower Upper

77 100

97 24.3 10.5 31.6



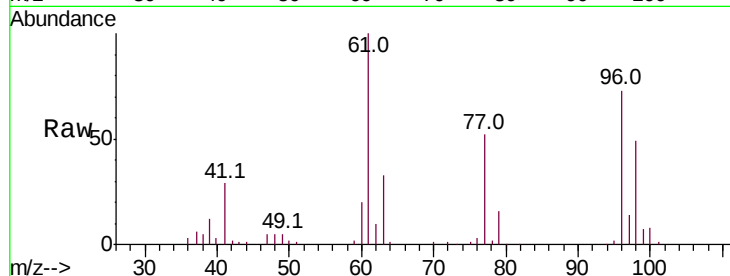


#27

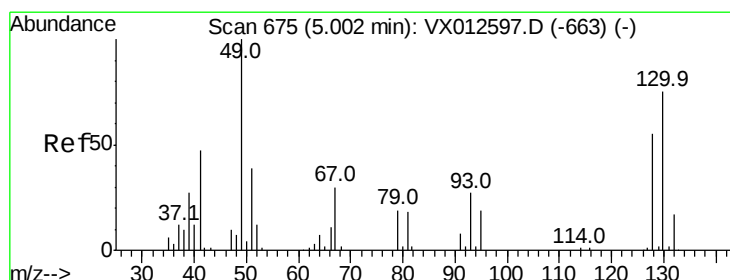
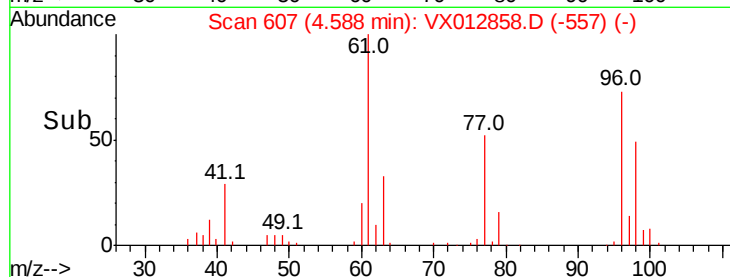
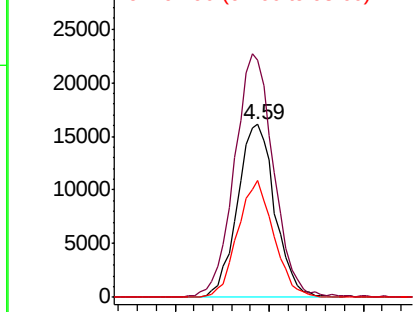
cis-1,2-Dichloroethene
Concen: 19.098 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX012858.D
Acq: 07 Oct 2019 23:46

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 96 Resp: 44895
Ion Ratio Lower Upper
96 100
61 147.3 0.0 319.4
98 64.7 0.0 130.6



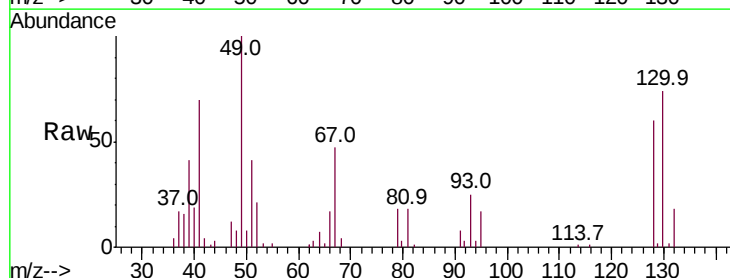
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



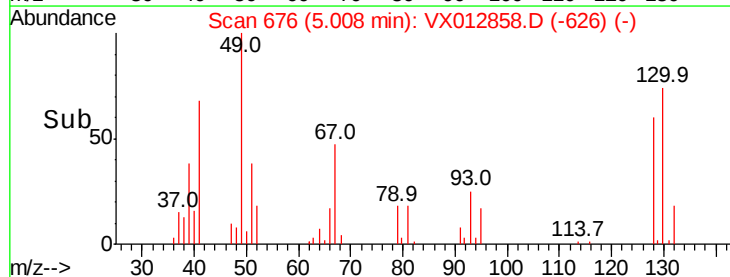
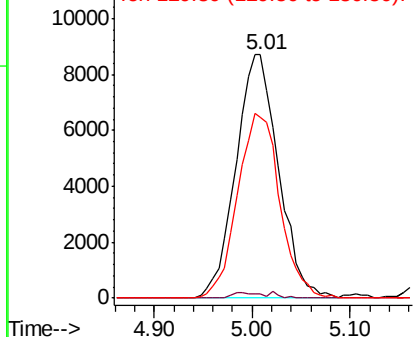
#28

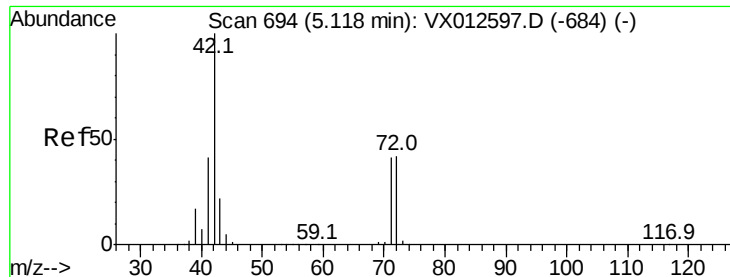
Bromochloromethane
Concen: 19.012 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX012858.D
Acq: 07 Oct 2019 23:46

Tgt Ion: 49 Resp: 26307
Ion Ratio Lower Upper
49 100
129 1.5 0.0 3.8
130 75.5 58.2 87.4



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 94.934 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.01 min

Lab File: VX012858.D

Acq: 07 Oct 2019 23:46

Instrument :

MSVOA_X

ClientSampleId :

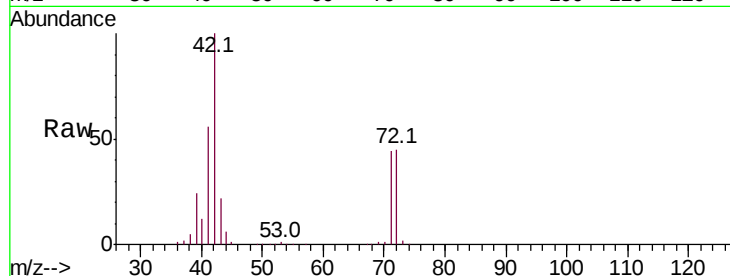
Tot Ion: 42 Resp: 108846

Ion Ratio Lower Upper

42 100

72 45.2 34.0 51.0

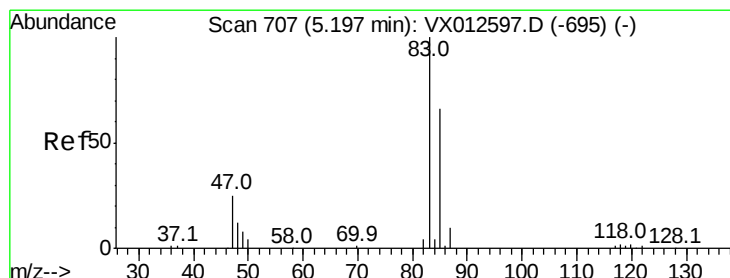
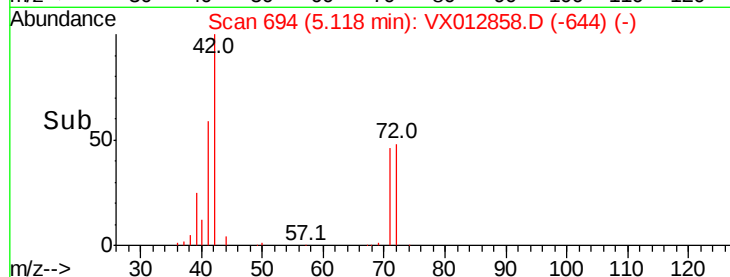
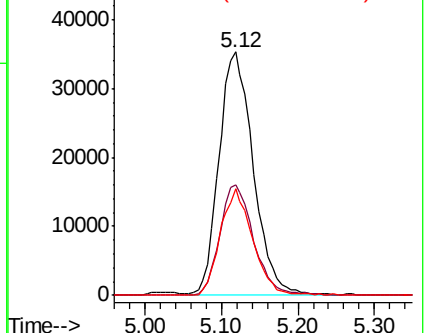
71 41.8 31.5 47.3



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 18.711 ug/l

RT: 5.20 min Scan# 708

Delta R.T. 0.00 min

Lab File: VX012858.D

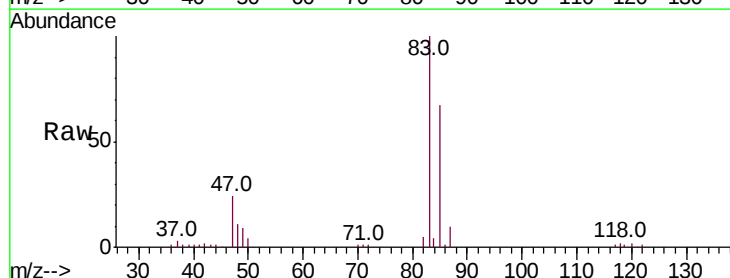
Acq: 07 Oct 2019 23:46

Tgt Ion: 83 Resp: 72951

Ion Ratio Lower Upper

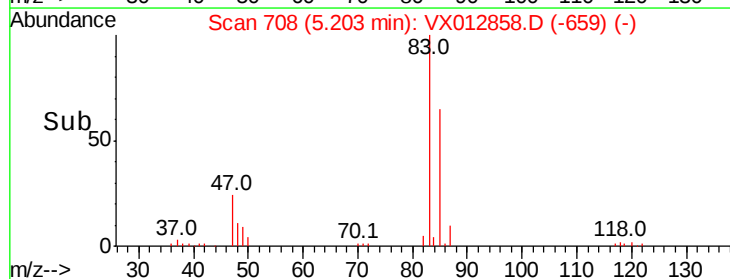
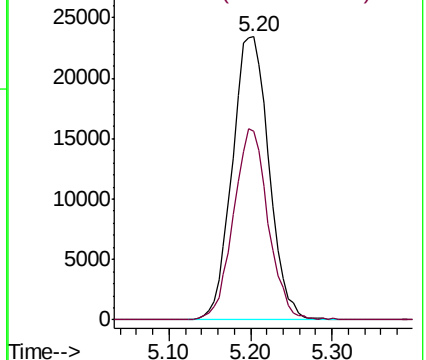
83 100

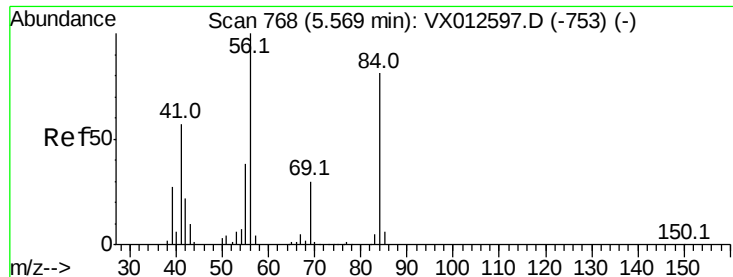
85 66.8 53.0 79.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 17.530 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX012858.D

Acq: 07 Oct 2019 23:46

Instrument :
MSVOA_X
ClientSampleId :

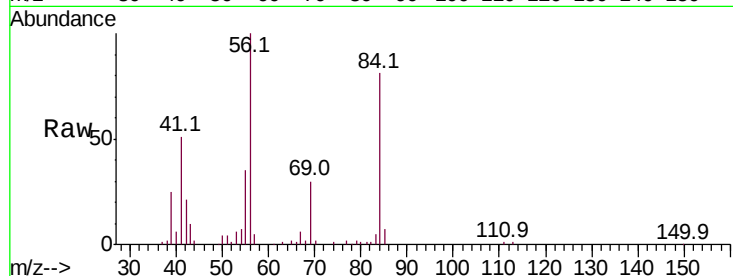
Tot Ion: 56 Resp: 60436

Ion Ratio Lower Upper

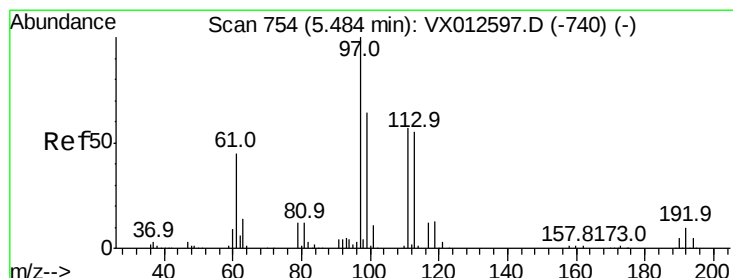
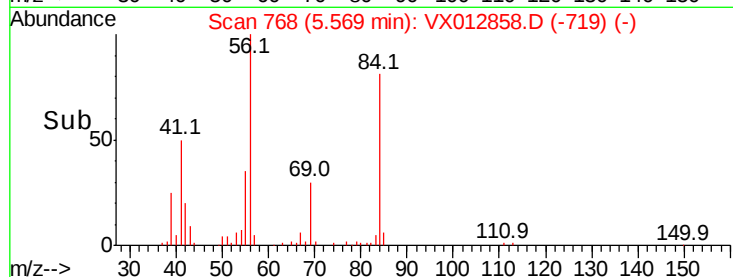
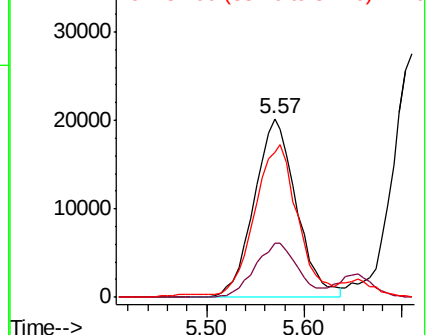
56 100

69 30.3 25.0 37.6

84 79.2 66.4 99.6



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 18.191 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012858.D

Acq: 07 Oct 2019 23:46

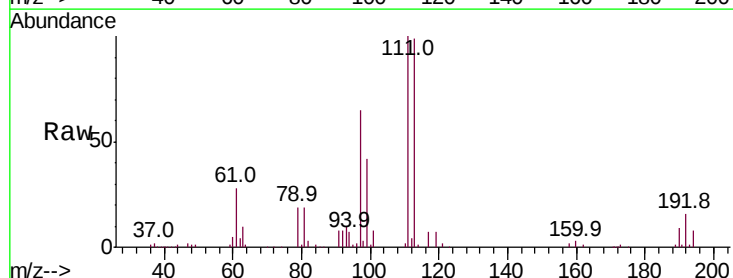
Tgt Ion: 97 Resp: 62859

Ion Ratio Lower Upper

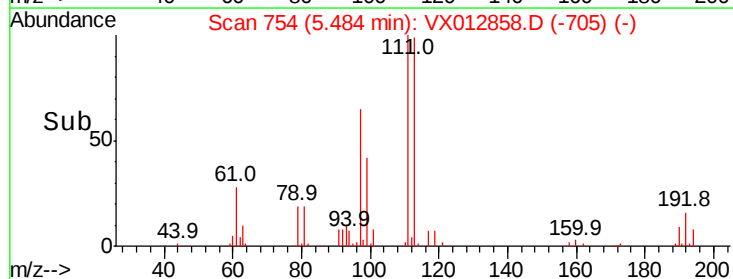
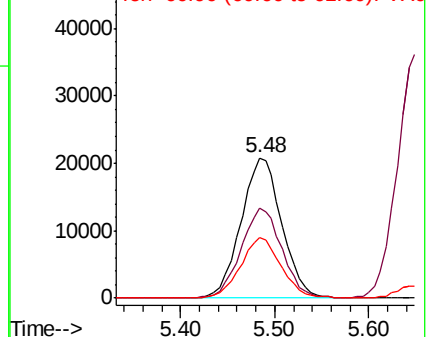
97 100

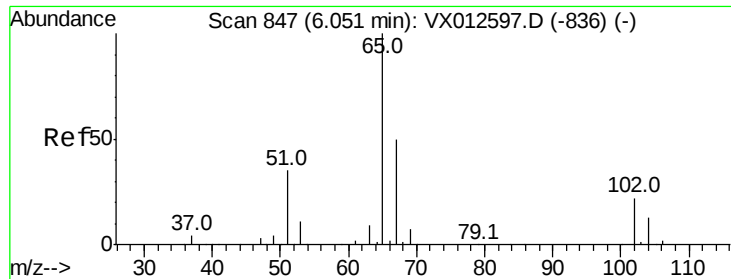
99 64.0 51.3 76.9

61 43.0 36.1 54.1



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.329 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012858.D

Acq: 07 Oct 2019 23:46

Instrument :

MSVOA_X

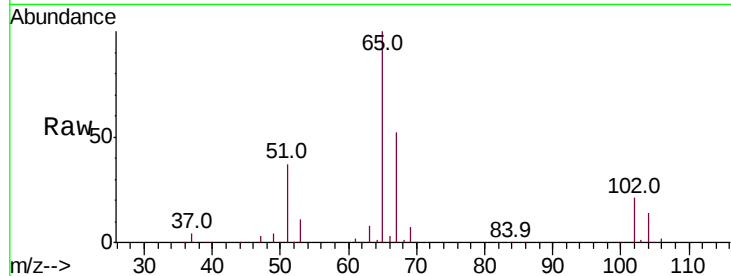
ClientSampled :

Tot Ion: 65 Resp: 119702

Ion Ratio Lower Upper

65 100

67 52.0 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

50000

40000

30000

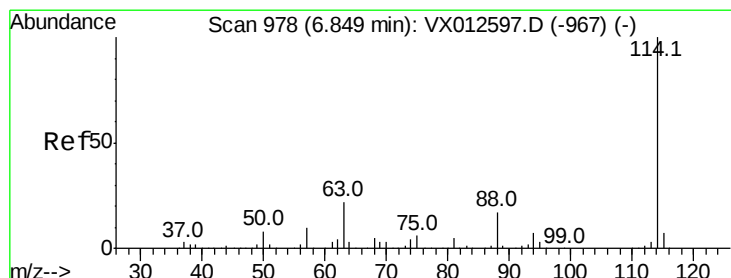
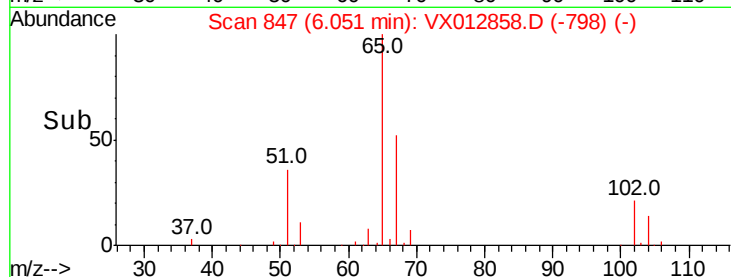
20000

10000

0

6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012858.D

Acq: 07 Oct 2019 23:46

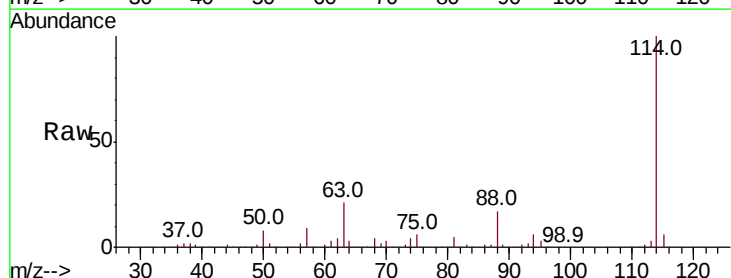
Tgt Ion:114 Resp: 295498

Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.2

88 17.1 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.85

150000

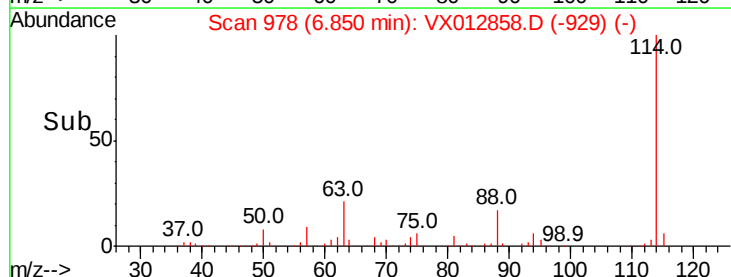
100000

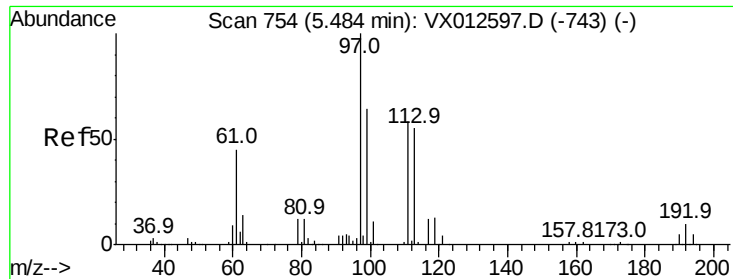
50000

0

6.70 6.80 6.90 7.00

Time-->

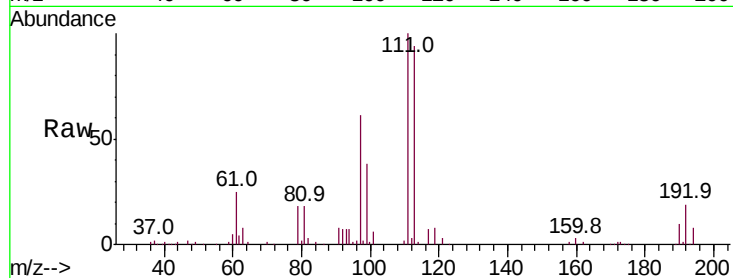




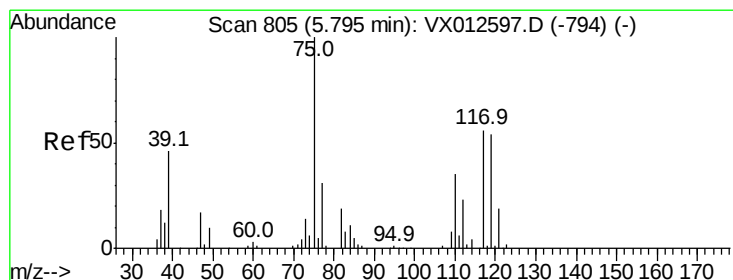
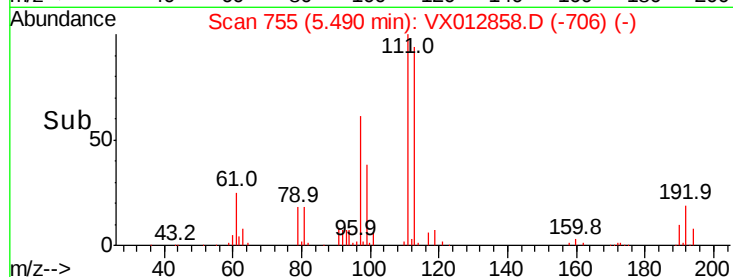
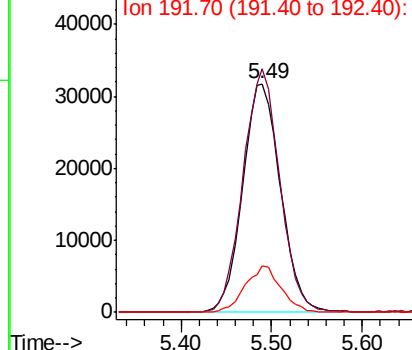
#35
 Dibromofluoromethane
 Concen: 52.168 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012858.D
 Acq: 07 Oct 2019 23:46

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:113 Resp: 91806
 Ion Ratio Lower Upper
 113 100
 111 103.6 83.4 125.2
 192 19.1 14.4 21.6

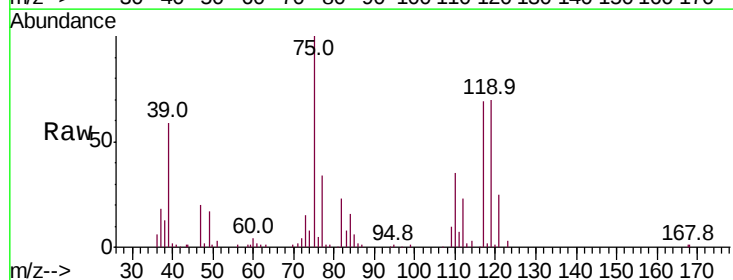


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

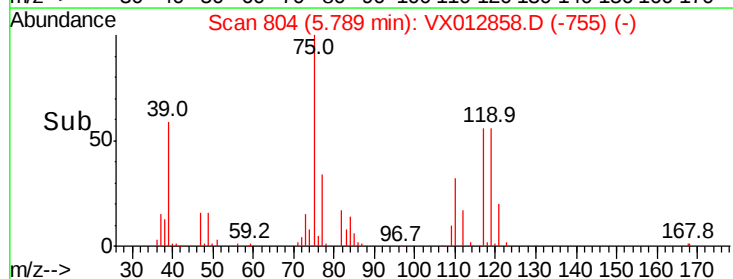
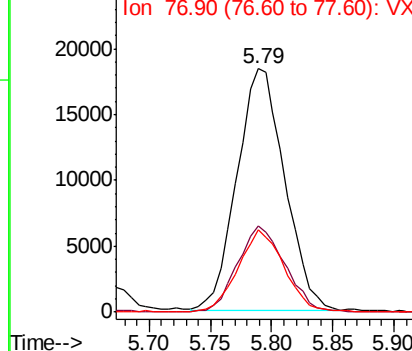


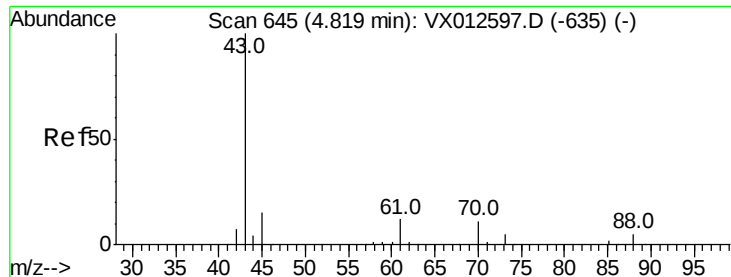
#36
 1,1-Dichloropropene
 Concen: 17.536 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX012858.D
 Acq: 07 Oct 2019 23:46

Tgt Ion: 75 Resp: 49947
 Ion Ratio Lower Upper
 75 100
 110 35.2 16.7 50.0
 77 32.9 24.2 36.2



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

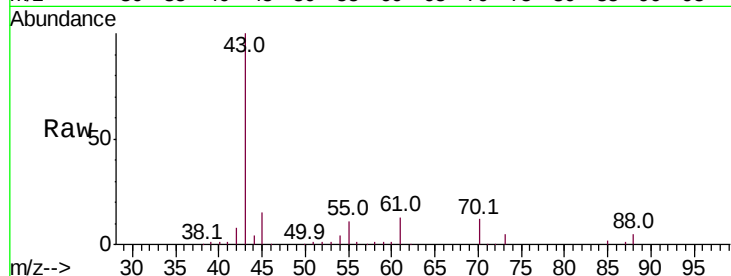




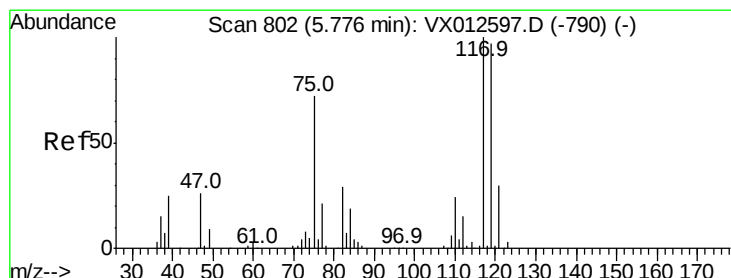
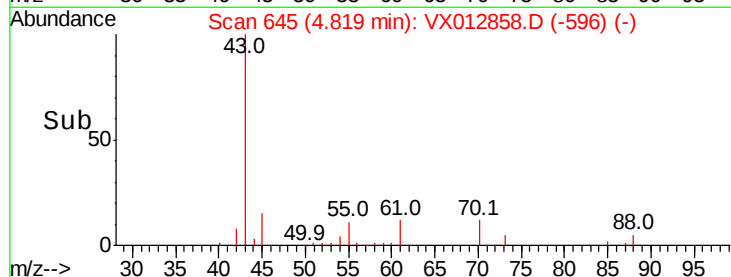
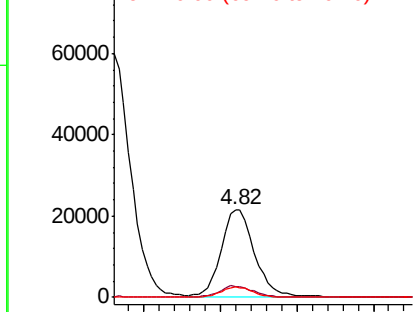
#37
Ethyl Acetate
Concen: 19.424 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX012858.D
Acq: 07 Oct 2019 23:46

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 64680
Ion Ratio Lower Upper
43 100
61 13.7 10.2 15.4
70 11.5 8.7 13.1

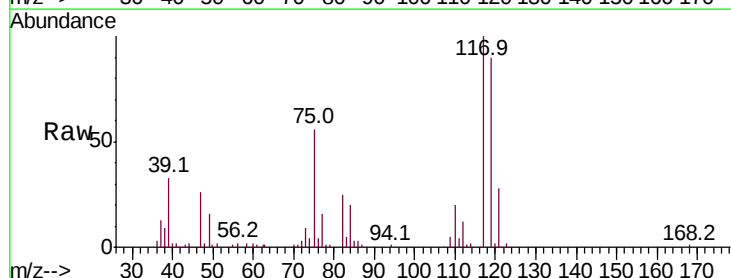


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

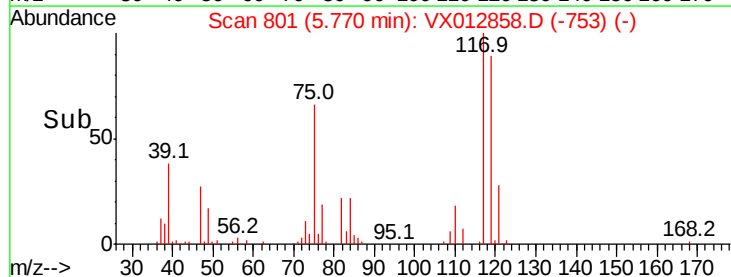
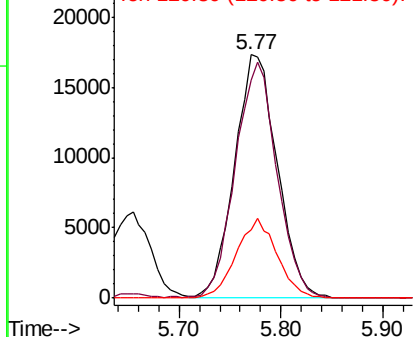


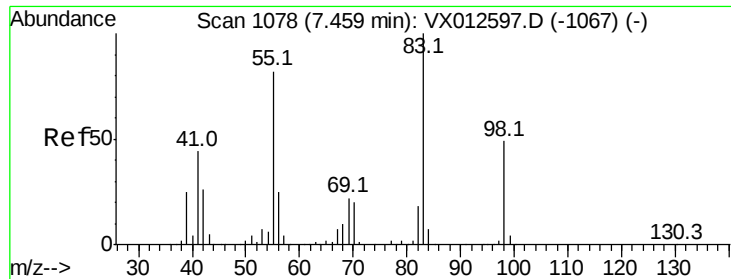
#38
Carbon Tetrachloride
Concen: 17.377 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX012858.D
Acq: 07 Oct 2019 23:46

Tgt Ion: 117 Resp: 50278
Ion Ratio Lower Upper
117 100
119 89.8 75.7 113.5
121 28.2 24.2 36.4



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

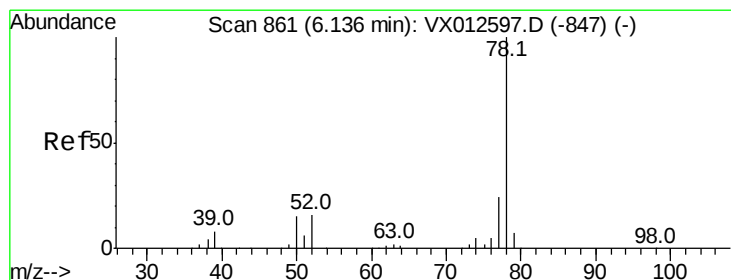
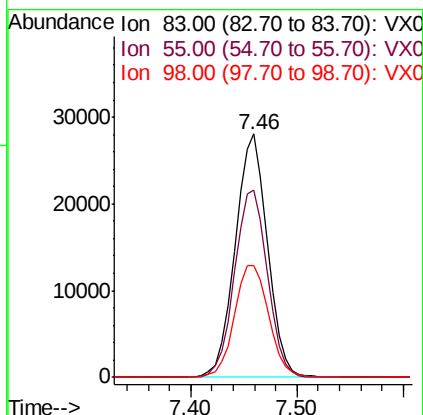
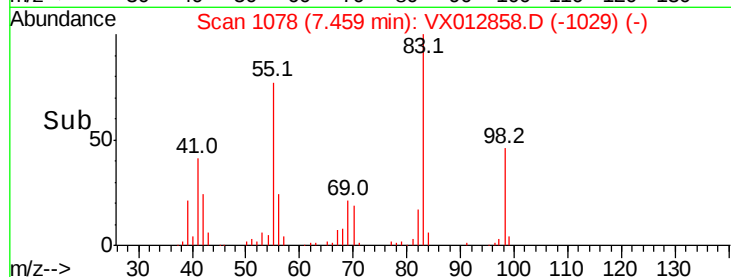
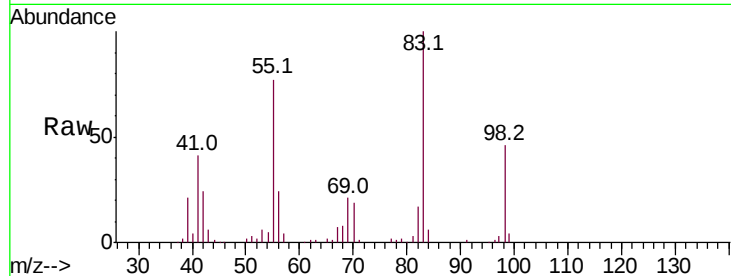




#39
Methvlcvclohexane
Concen: 17.413 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012858.D
Acq: 07 Oct 2019 23:46

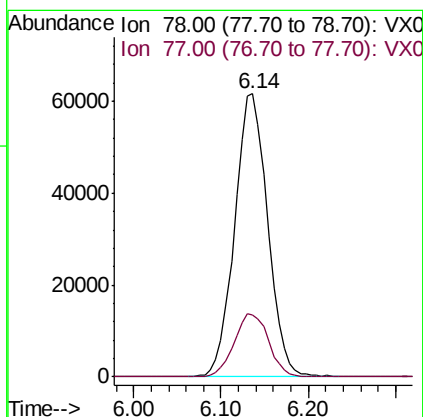
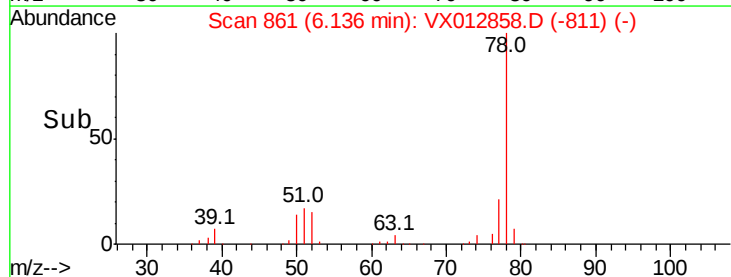
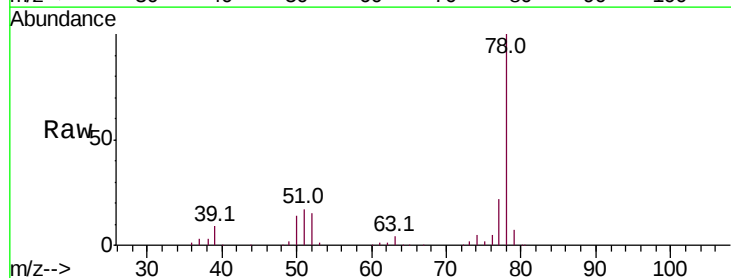
Instrument :
MSVOA_X
ClientSampled :

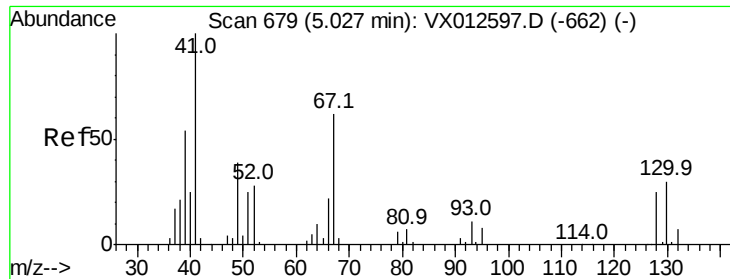
Tot Ion: 83 Resp: 59710
Ion Ratio Lower Upper
83 100
55 76.7 64.4 96.6
98 45.8 40.1 60.1



#40
Benzene
Concen: 19.299 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX012858.D
Acq: 07 Oct 2019 23:46

Tgt Ion: 78 Resp: 161736
Ion Ratio Lower Upper
78 100
77 22.0 19.2 28.8





#41

Methacrylonitrile

Concen: 18.855 ug/l

RT: 5.03 min Scan# 679

Delta R.T. 0.00 min

Lab File: VX012858.D

Acq: 07 Oct 2019 23:46

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 41 Resp: 35228

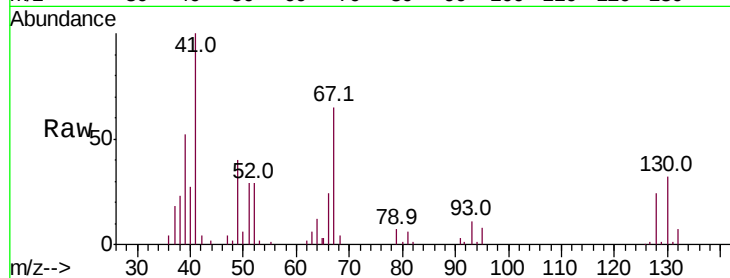
Ion Ratio Lower Upper

41 100

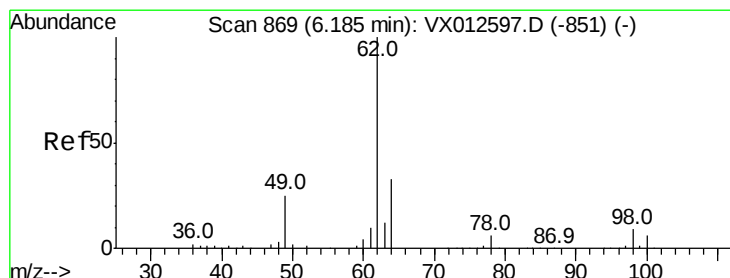
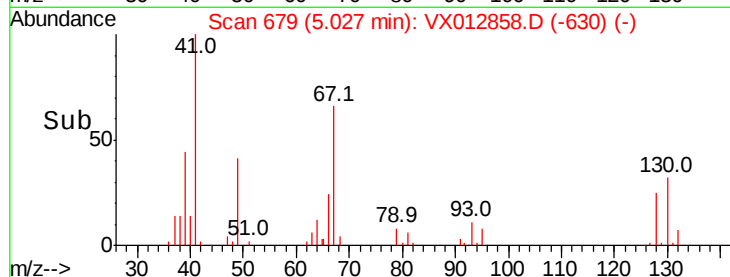
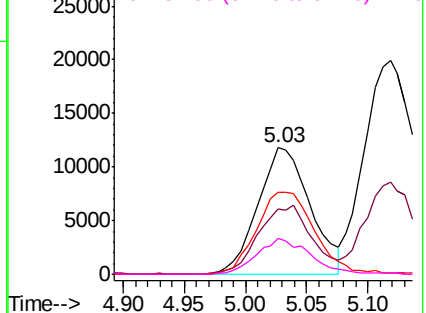
39 55.3 46.0 69.0

67 72.4 52.2 78.2

52 29.0 22.7 34.1



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 19.106 ug/l

RT: 6.19 min Scan# 869

Delta R.T. 0.00 min

Lab File: VX012858.D

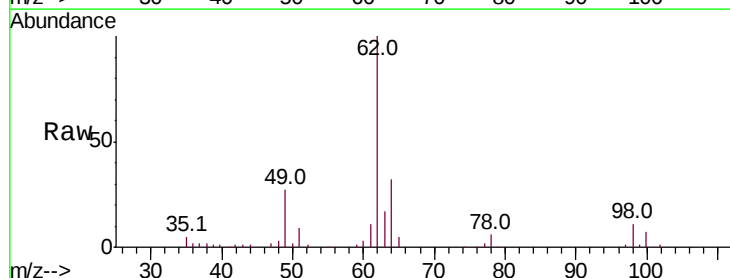
Acq: 07 Oct 2019 23:46

Tgt Ion: 62 Resp: 60804

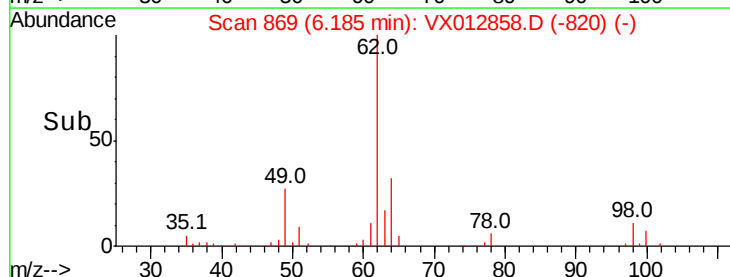
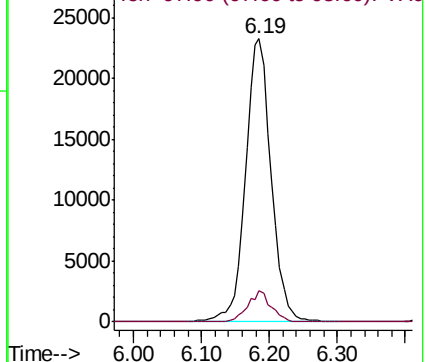
Ion Ratio Lower Upper

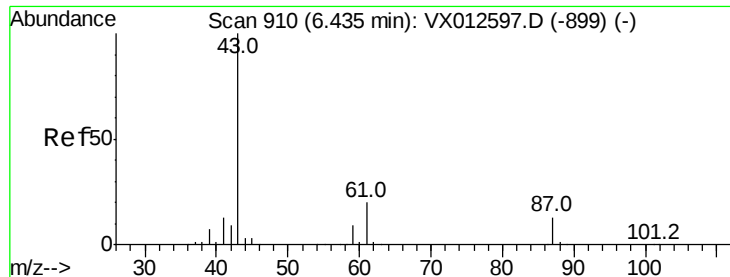
62 100

98 9.6 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 19.052 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX012858.D

Acq: 07 Oct 2019 23:46

Instrument :
MSVOA_X
ClientSampled :

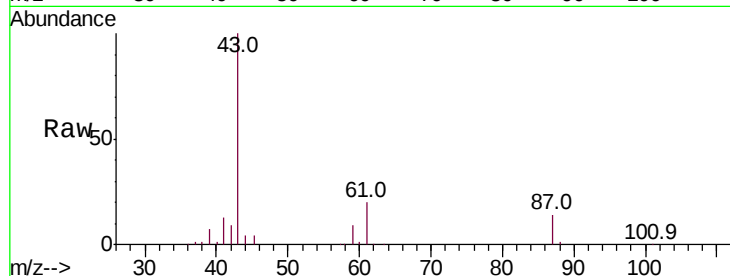
Tot Ion: 43 Resp: 106095

Ion Ratio Lower Upper

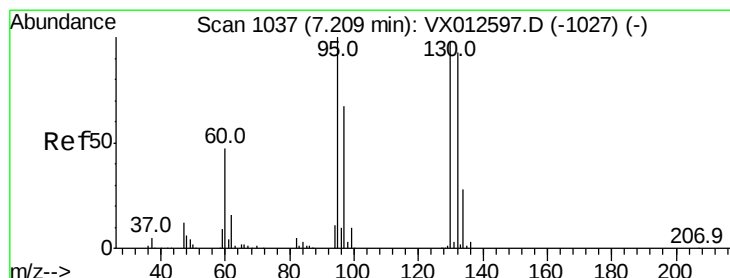
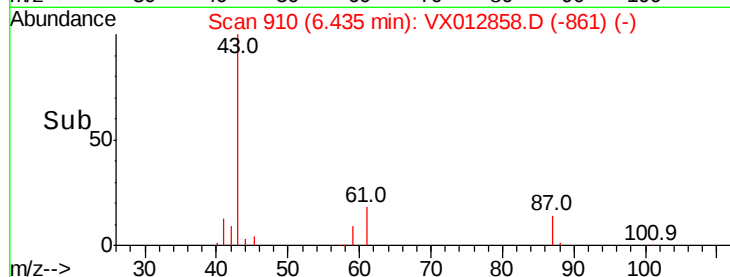
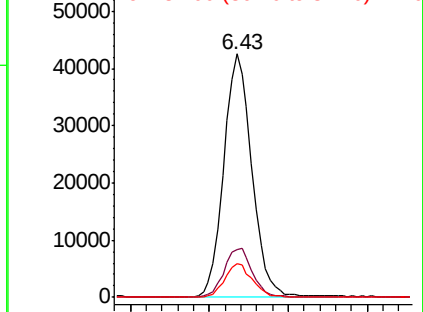
43 100

61 20.1 15.4 23.0

87 13.5 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 18.970 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX012858.D

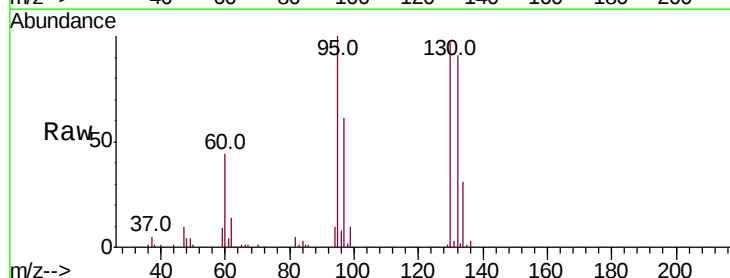
Acq: 07 Oct 2019 23:46

Tgt Ion:130 Resp: 40641

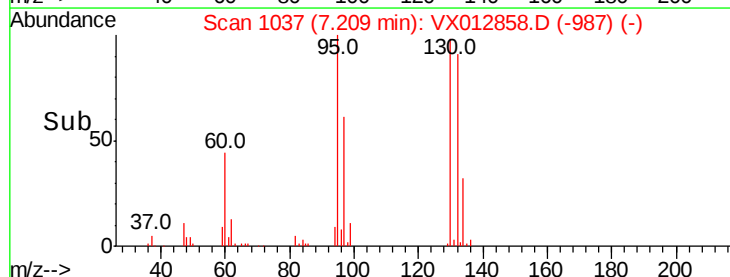
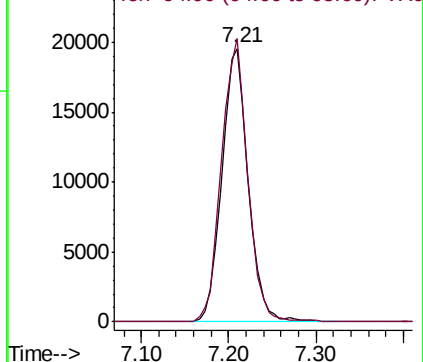
Ion Ratio Lower Upper

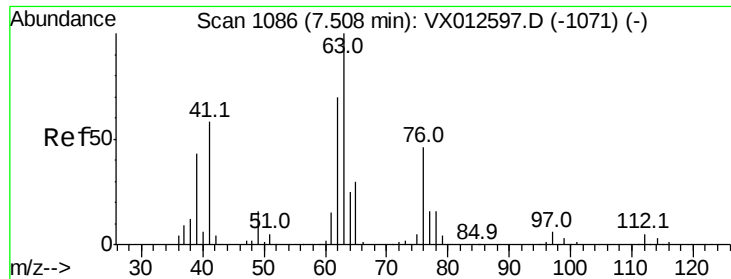
130 100

95 103.4 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0

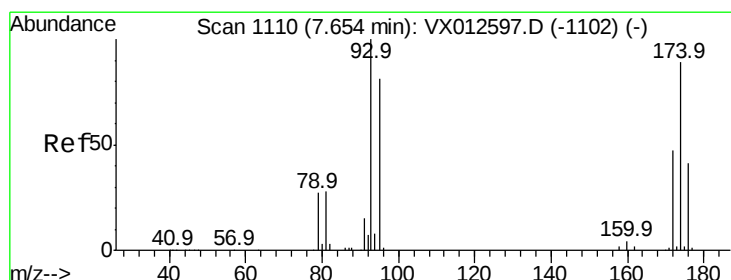
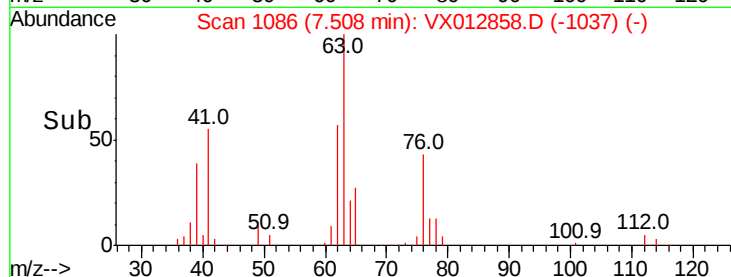
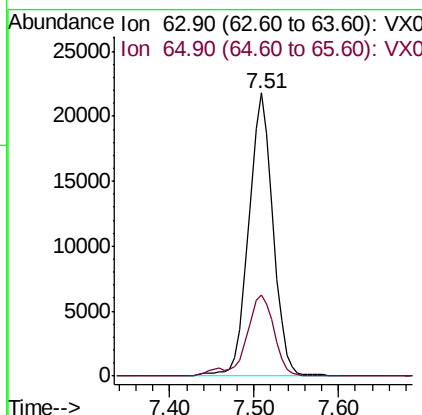
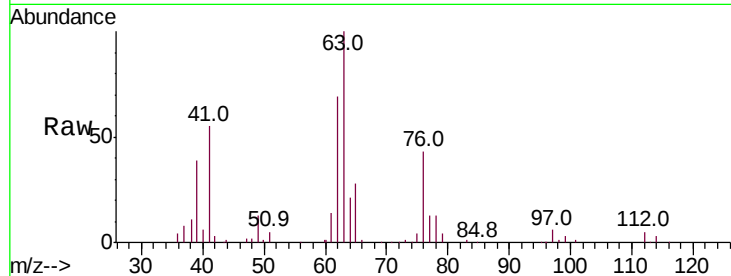




#45
 1,2-Dichloropropane
 Concen: 19.733 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX012858.D
 Acq: 07 Oct 2019 23:46

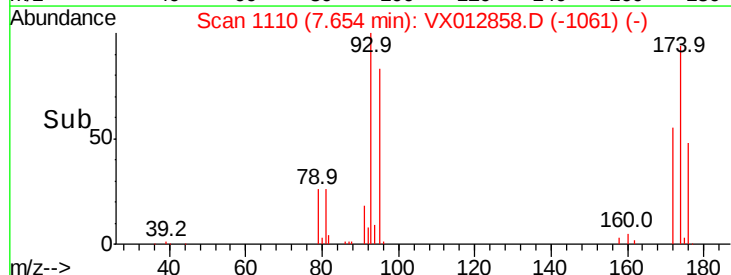
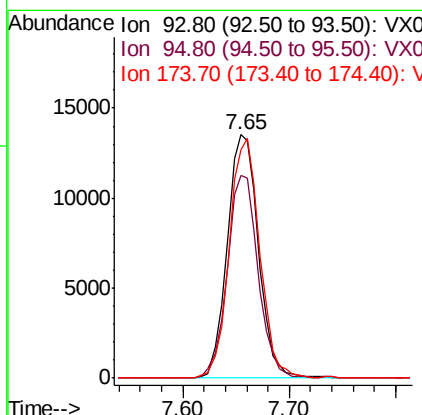
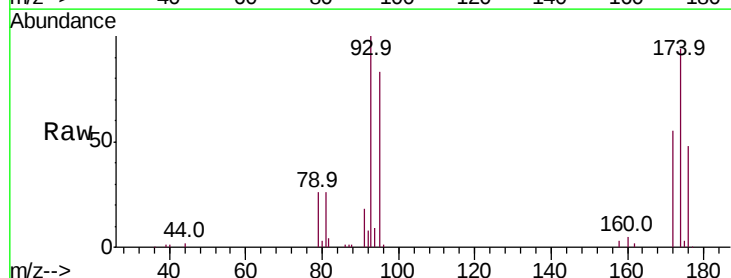
Instrument :
 MSVOA_X
 ClientSampled :

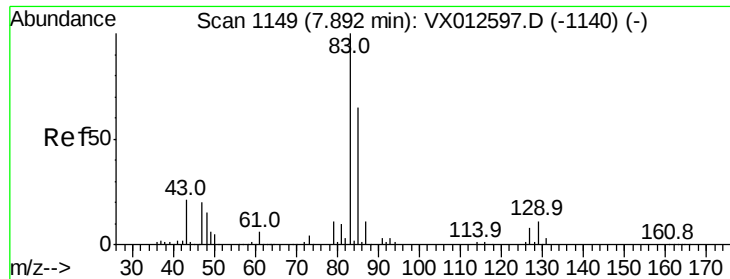
Tot Ion: 63 Resp: 42340
 Ion Ratio Lower Upper
 63 100
 65 28.5 25.0 37.6



#46
 Dibromomethane
 Concen: 19.003 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX012858.D
 Acq: 07 Oct 2019 23:46

Tgt Ion: 93 Resp: 27761
 Ion Ratio Lower Upper
 93 100
 95 82.3 66.6 100.0
 174 96.0 77.4 116.0





#47

Bromodichloromethane

Concen: 18.715 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012858.D

Acq: 07 Oct 2019 23:46

Instrument :
MSVOA_X
ClientSampleId :

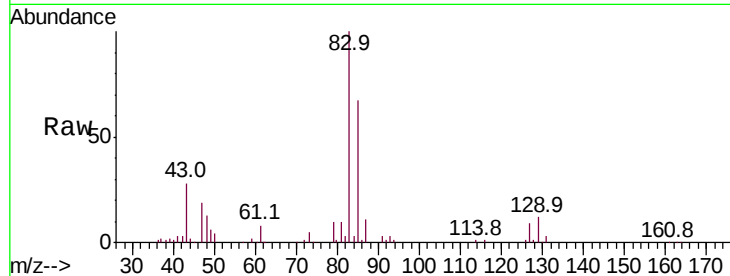
Tot Ion: 83 Resp: 54640

Ion Ratio Lower Upper

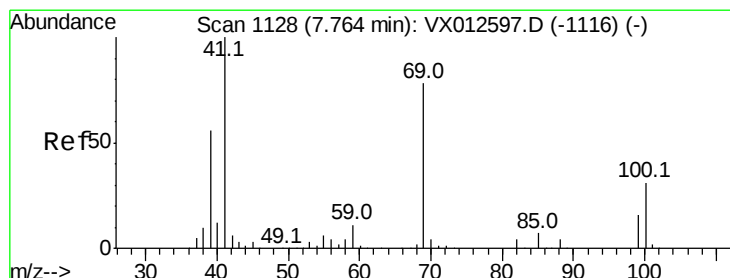
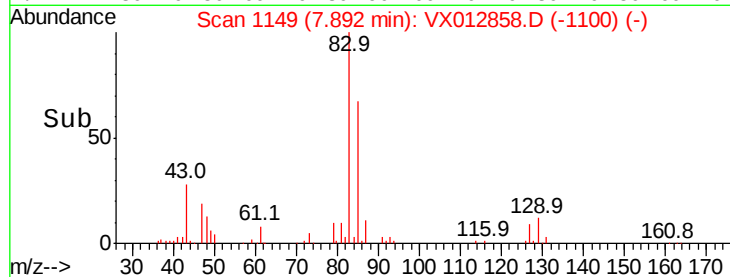
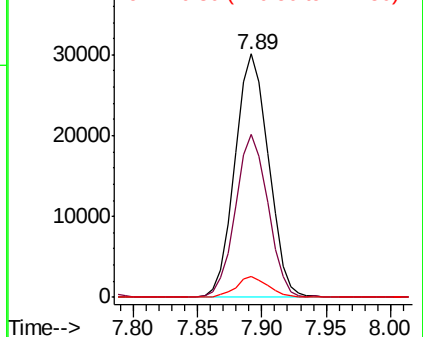
83 100

85 66.9 51.8 77.6

127 8.7 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.044 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX012858.D

Acq: 07 Oct 2019 23:46

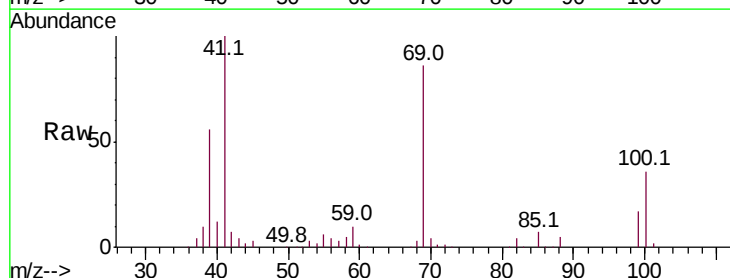
Tgt Ion: 41 Resp: 50850

Ion Ratio Lower Upper

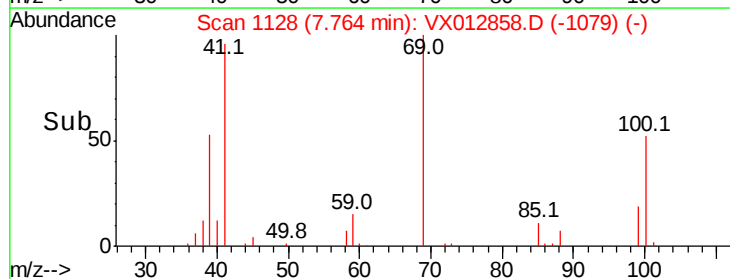
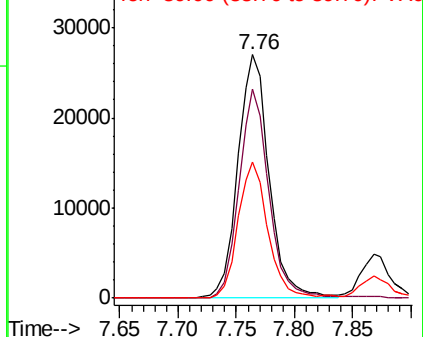
41 100

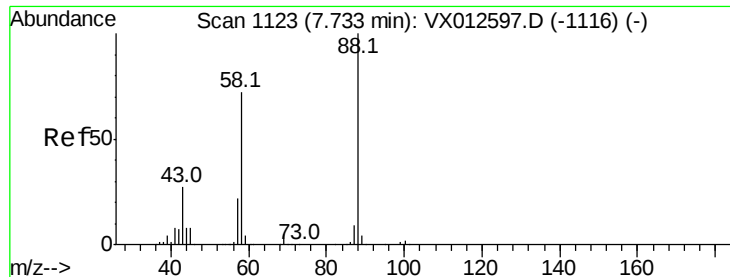
69 81.9 59.9 89.9

39 53.1 47.8 71.6



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

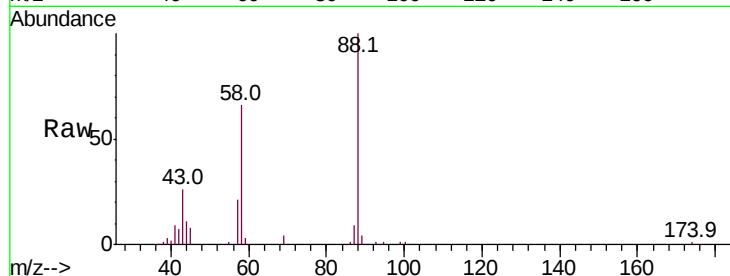




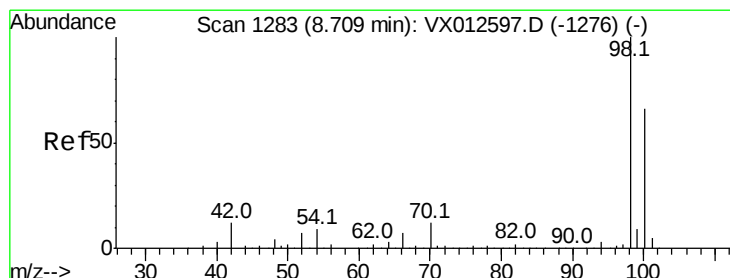
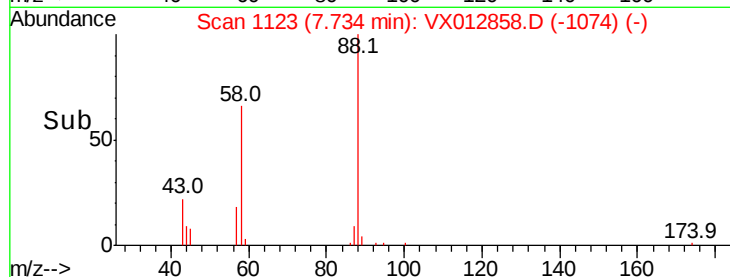
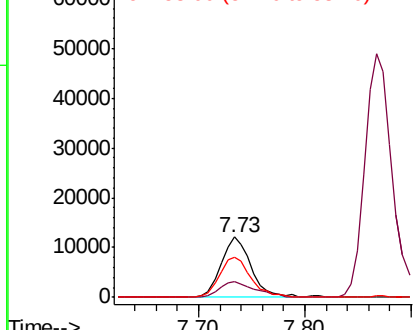
#49
1,4-Dioxane
Concen: 393.352 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012858.D
Acq: 07 Oct 2019 23:46

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 23823
Ion Ratio Lower Upper
88 100
43 32.4 29.4 44.0
58 69.9 57.5 86.3

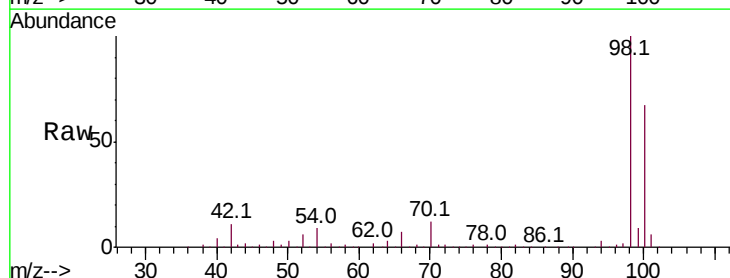


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

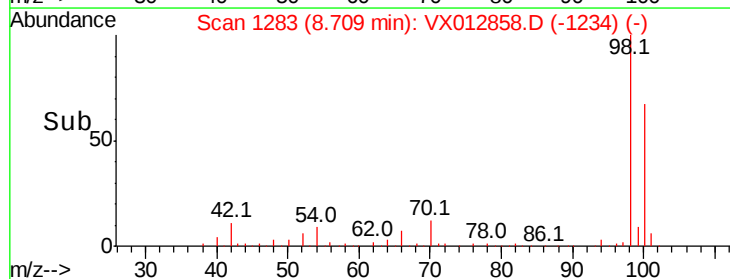
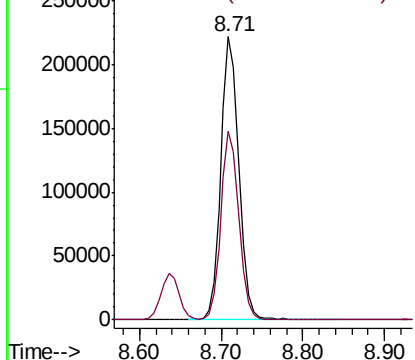


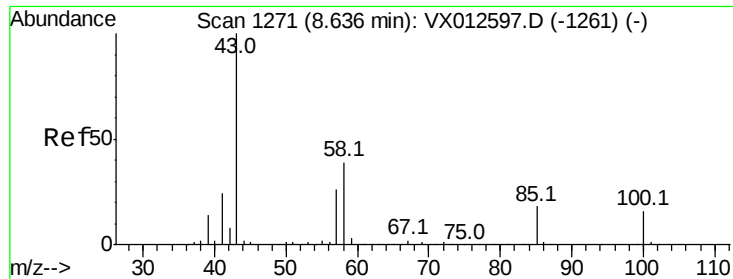
#50
Toluene-d8
Concen: 50.476 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012858.D
Acq: 07 Oct 2019 23:46

Tgt Ion: 98 Resp: 342085
Ion Ratio Lower Upper
98 100
100 66.4 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 97.063 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012858.D

Acq: 07 Oct 2019 23:46

Instrument :

MSVOA_X

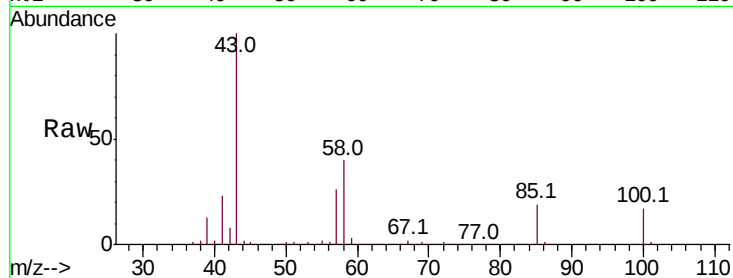
ClientSampled :

Tot Ion: 43 Resp: 333649

Ion Ratio Lower Upper

43 100

58 39.4 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

250000

200000

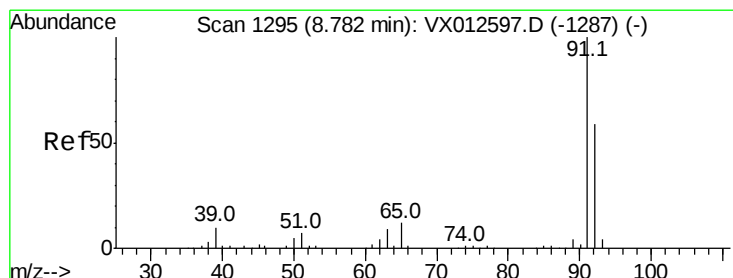
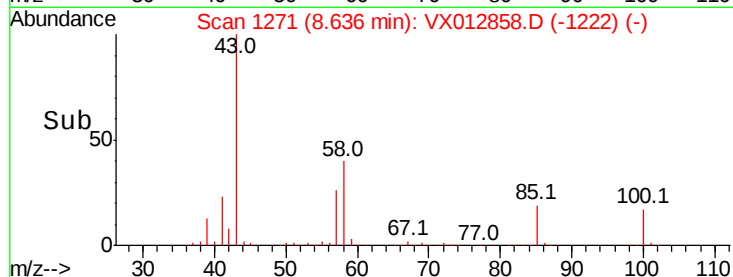
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.236 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012858.D

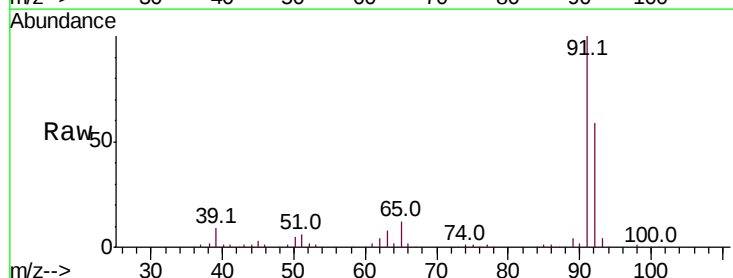
Acq: 07 Oct 2019 23:46

Tgt Ion: 92 Resp: 101321

Ion Ratio Lower Upper

92 100

91 166.8 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

120000

100000

80000

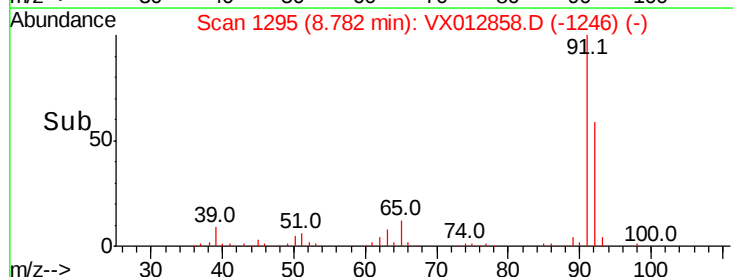
60000

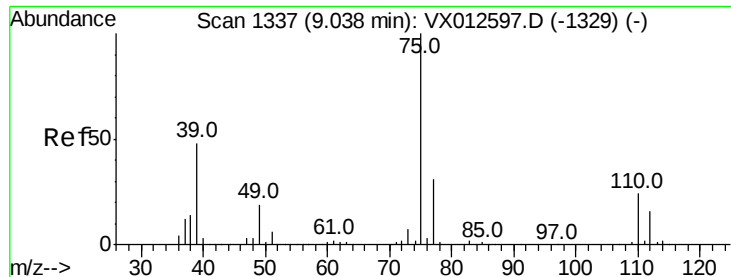
40000

20000

0

Time-->

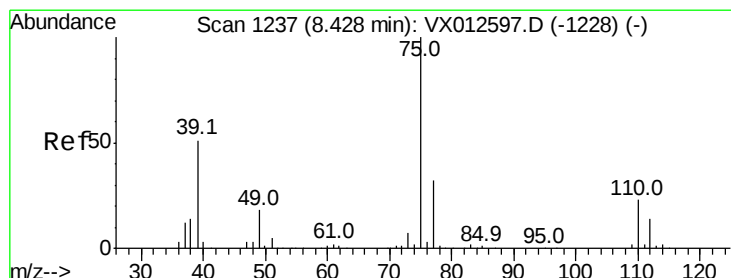
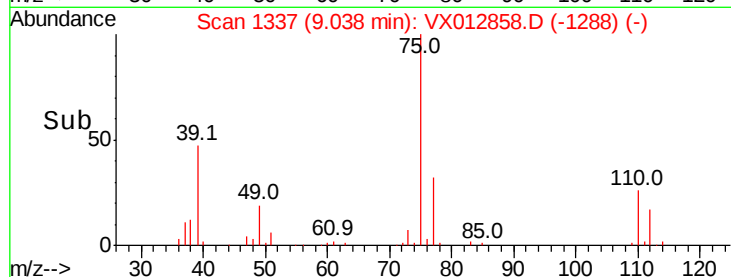
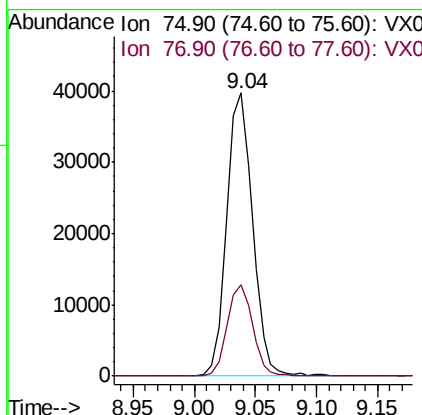
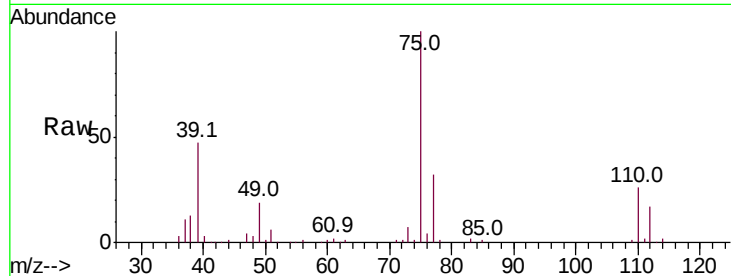




#53
 t-1,3-Dichloropropene
 Concen: 17.984 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VX012858.D
 Acq: 07 Oct 2019 23:46

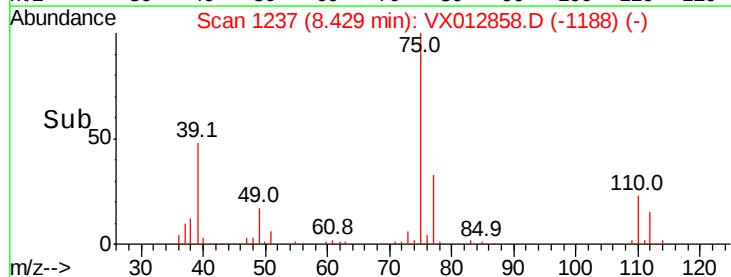
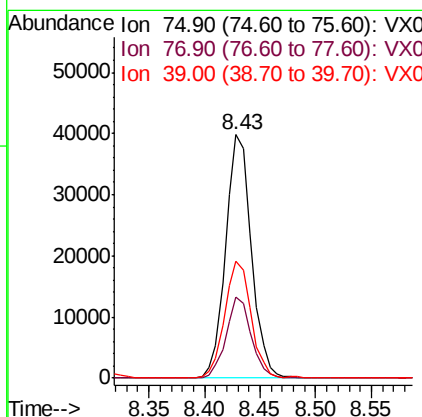
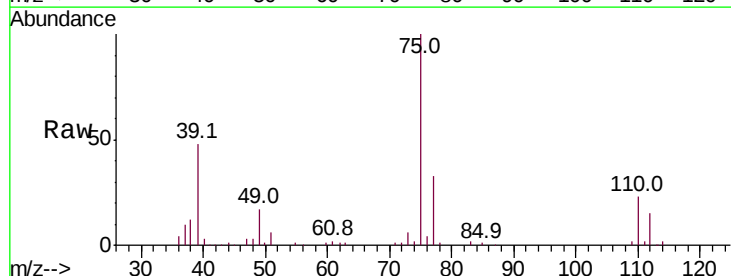
Instrument :
 MSVOA_X
 ClientSampleId :

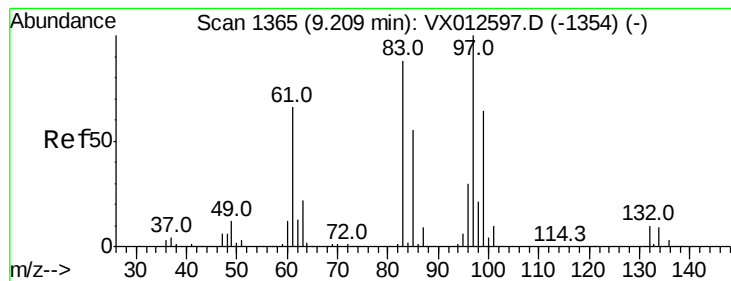
Tot Ion: 75 Resp: 58095
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 18.082 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX012858.D
 Acq: 07 Oct 2019 23:46

Tgt Ion: 75 Resp: 63777
 Ion Ratio Lower Upper
 75 100
 77 33.4 25.8 38.8
 39 47.9 45.5 68.3





#55

1,1,2-Trichloroethane

Concen: 20.409 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VX012858.D

Acq: 07 Oct 2019 23:46

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 97 Resp: 42738

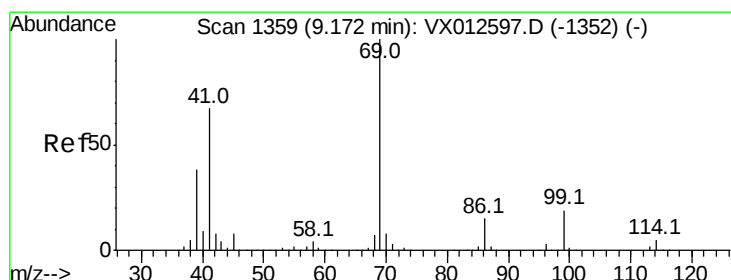
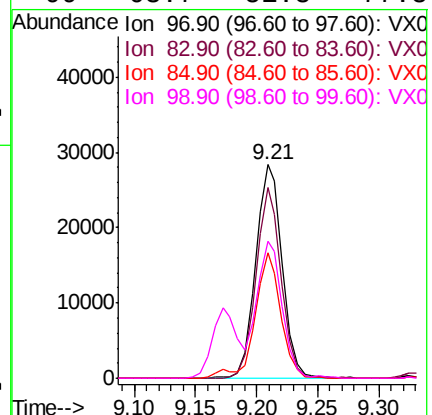
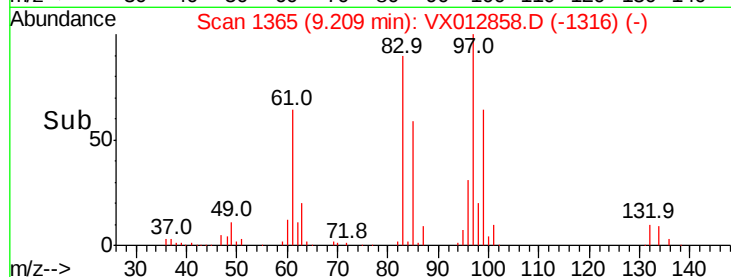
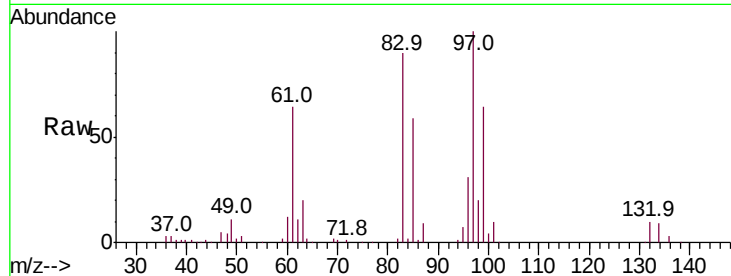
Ion	Ratio	Lower	Upper
97	100		
83	89.6	67.4	101.2
85	58.8	43.5	65.3
99	63.7	51.8	77.8

97 100

83 89.6 67.4 101.2

85 58.8 43.5 65.3

99 63.7 51.8 77.8



#56

Ethyl methacrylate

Concen: 19.808 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX012858.D

Acq: 07 Oct 2019 23:46

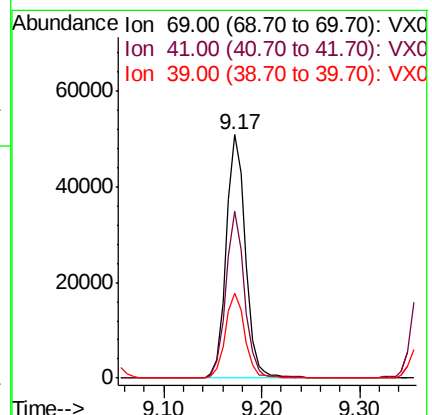
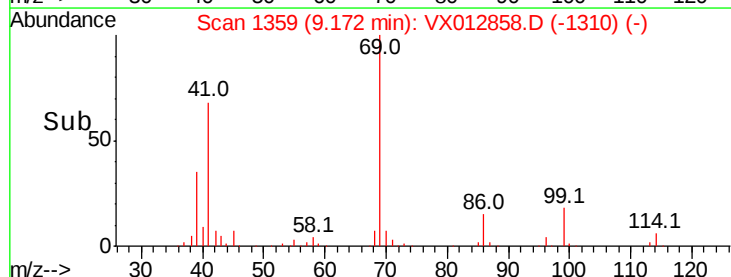
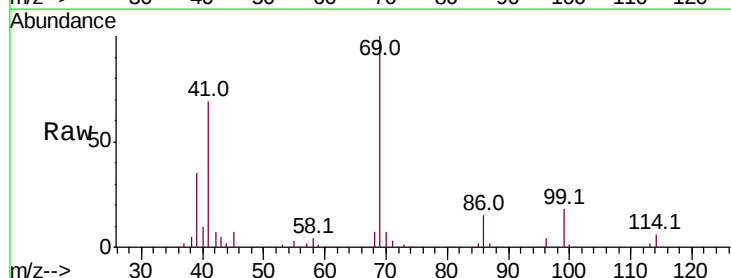
Tgt Ion: 69 Resp: 69685

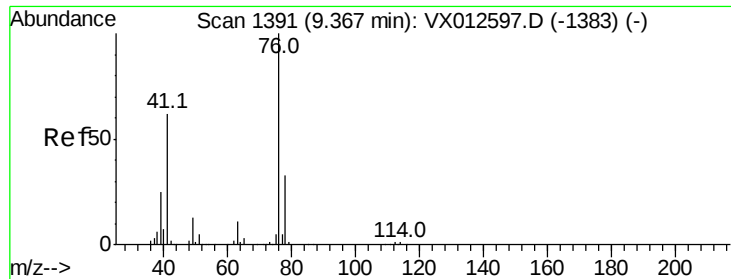
Ion	Ratio	Lower	Upper
69	100		
41	66.7	58.4	87.6
39	35.0	33.4	50.0

69 100

41 66.7 58.4 87.6

39 35.0 33.4 50.0





#57

1,3-Dichloropropane

Concen: 19.958 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX012858.D

Acq: 07 Oct 2019 23:46

Instrument :

MSVOA_X

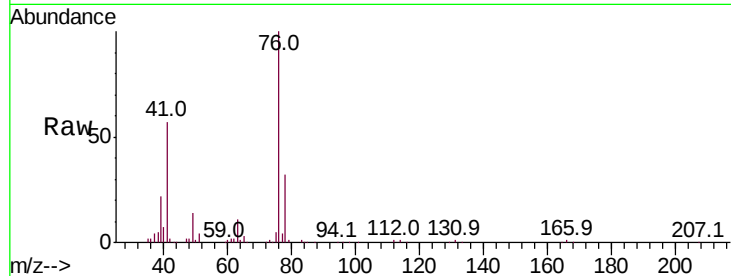
ClientSampleId :

Tot Ion: 76 Resp: 73147

Ion Ratio Lower Upper

76 100

78 32.0 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

60000

50000

40000

30000

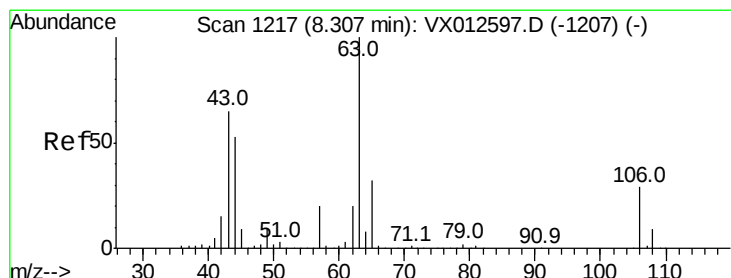
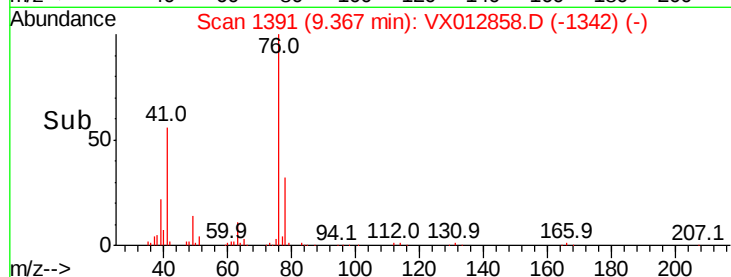
20000

10000

0

9.30 9.35 9.40 9.45 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 99.641 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX012858.D

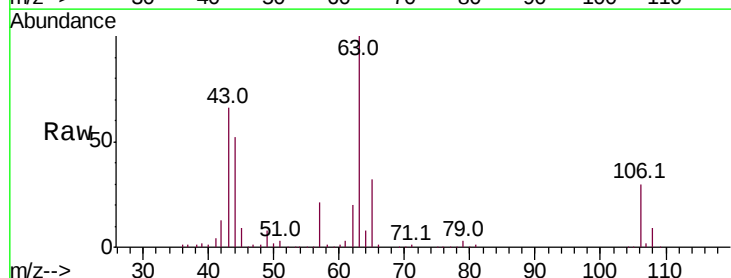
Acq: 07 Oct 2019 23:46

Tgt Ion: 63 Resp: 157349

Ion Ratio Lower Upper

63 100

106 29.2 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

120000

100000

80000

60000

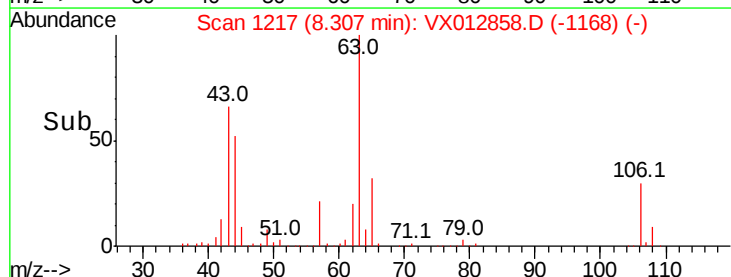
40000

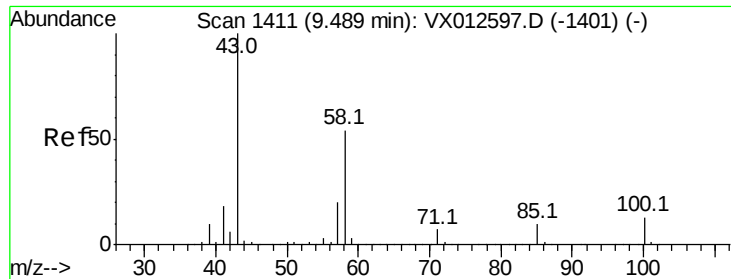
20000

0

8.20 8.25 8.30 8.35 8.40

Time-->

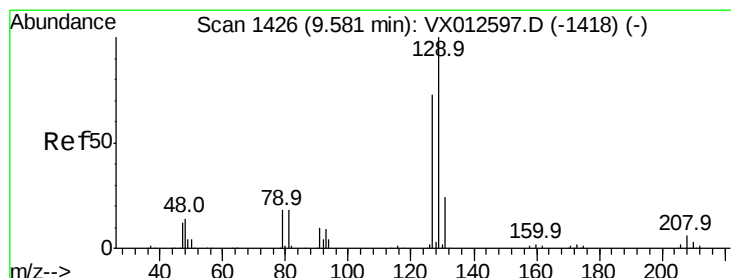
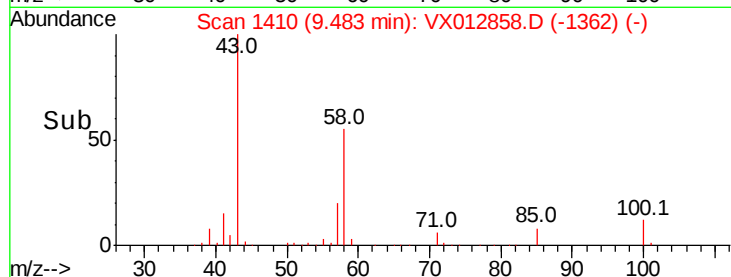
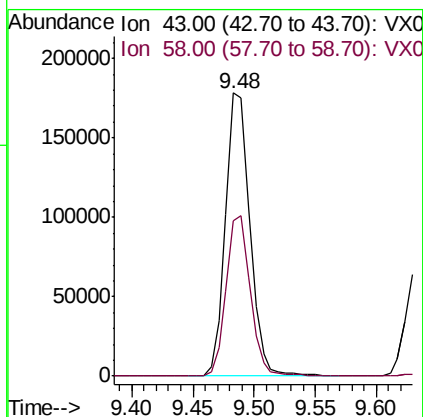
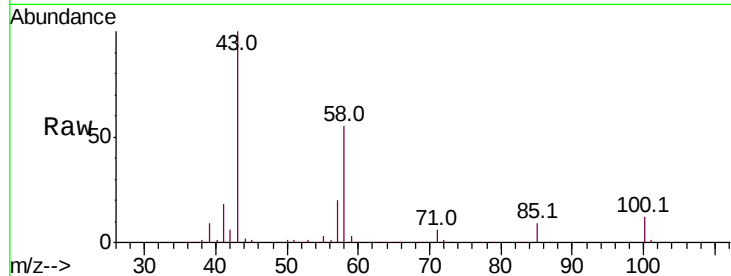




#59
2-Hexanone
Concen: 94.074 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX012858.D
Acq: 07 Oct 2019 23:46

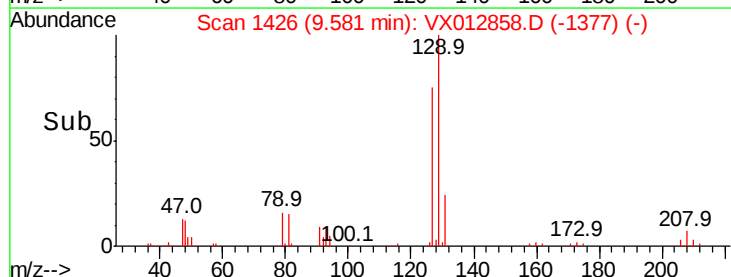
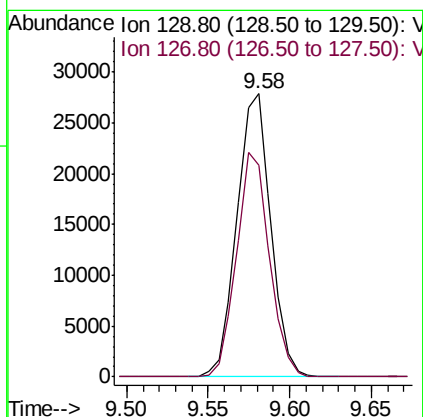
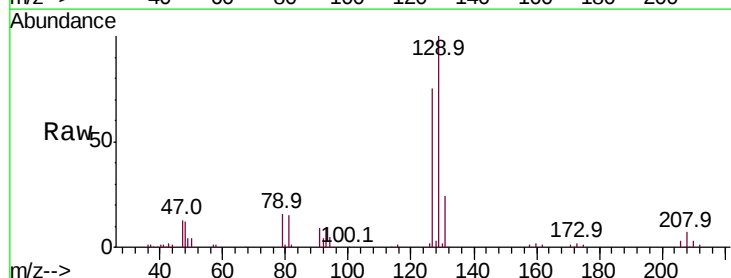
Instrument :
MSVOA_X
ClientSampleId :

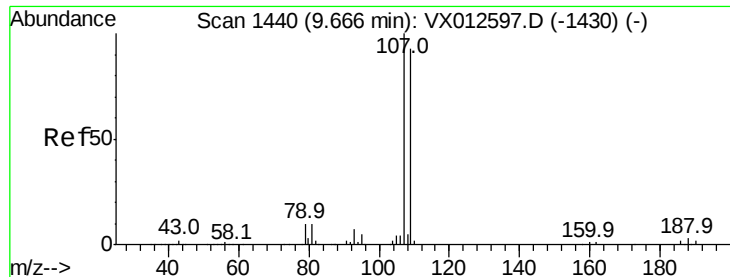
Tot Ion: 43 Resp: 247526
Ion Ratio Lower Upper
43 100
58 56.2 25.7 77.1



#60
Dibromochloromethane
Concen: 18.994 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX012858.D
Acq: 07 Oct 2019 23:46

Tgt Ion: 129 Resp: 40264
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.6





#61

1,2-Dibromoethane

Concen: 20.283 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012858.D

Acq: 07 Oct 2019 23:46

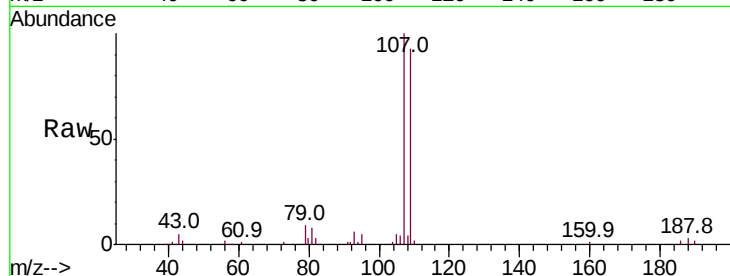
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:107 Resp: 44204

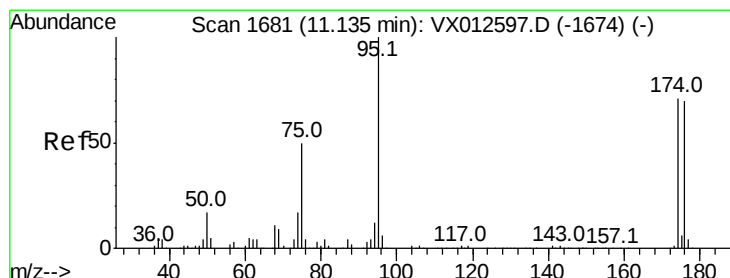
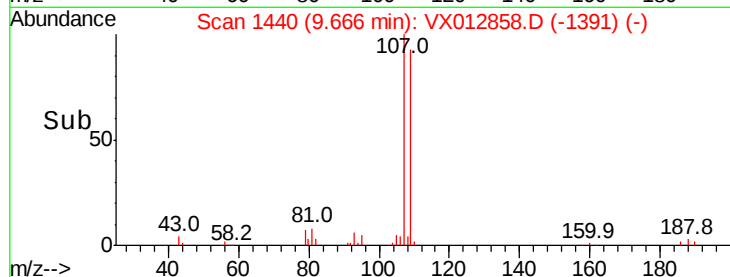
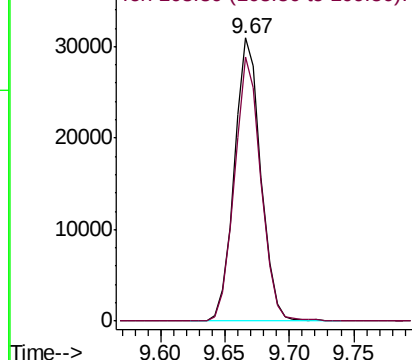
Ion Ratio Lower Upper

107 100

109 93.1 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V
Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.679 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012858.D

Acq: 07 Oct 2019 23:46

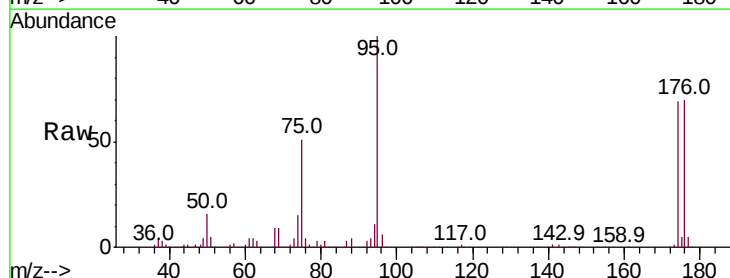
Tgt Ion: 95 Resp: 135051

Ion Ratio Lower Upper

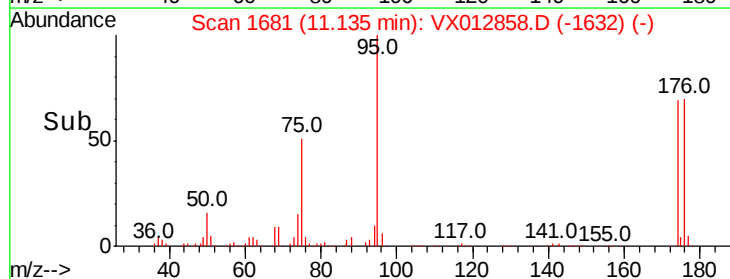
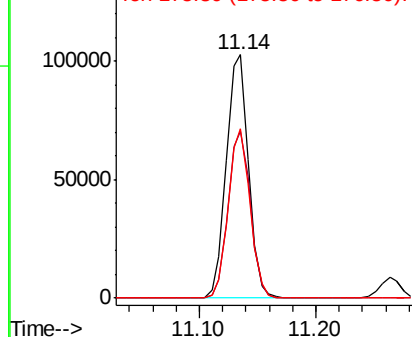
95 100

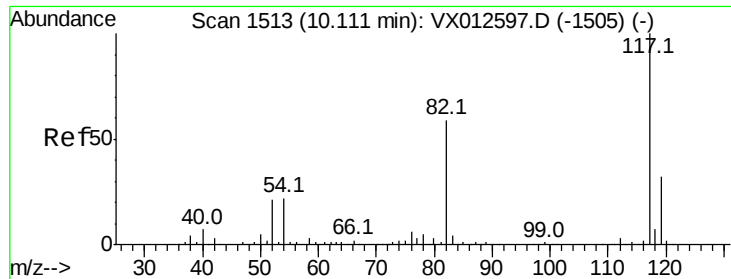
174 69.2 0.0 140.0

176 68.4 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

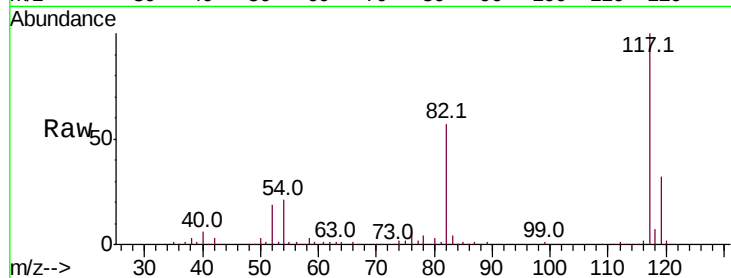




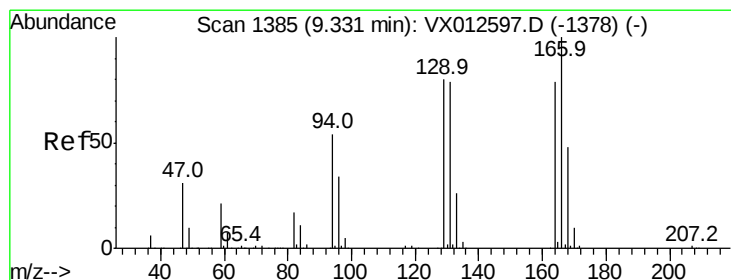
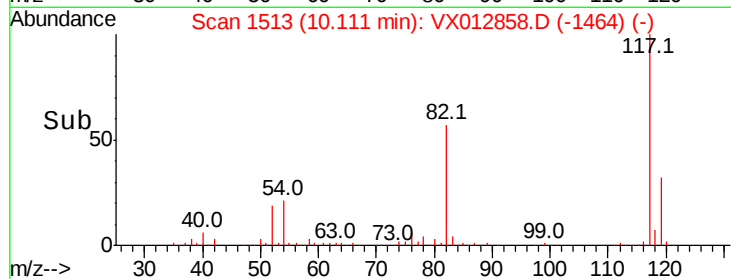
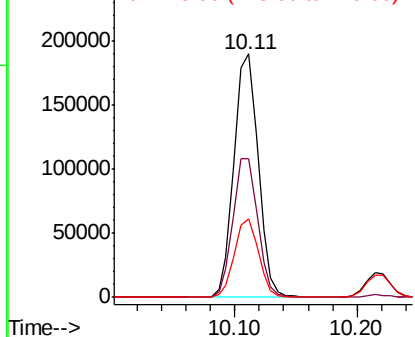
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012858.D
Acq: 07 Oct 2019 23:46

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 260908
Ion Ratio Lower Upper
117 100
82 56.9 45.9 68.9
119 32.2 25.3 37.9

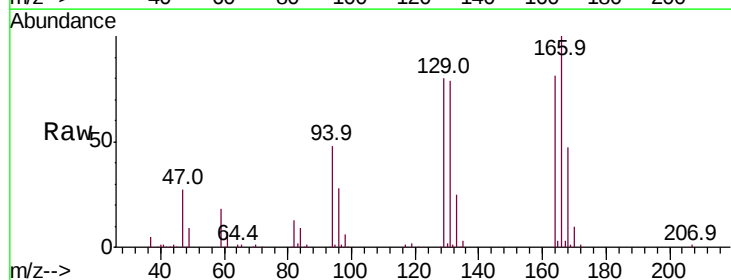


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

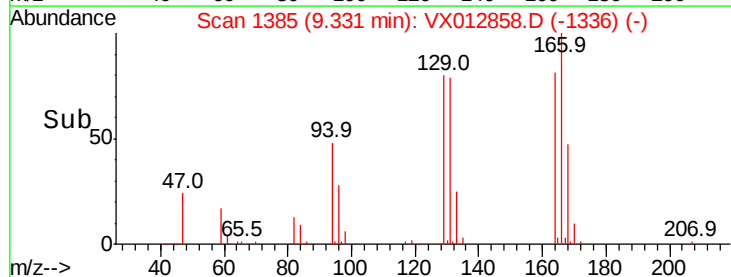
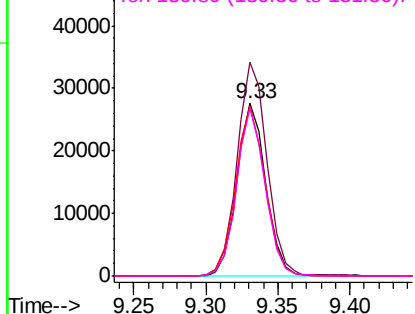


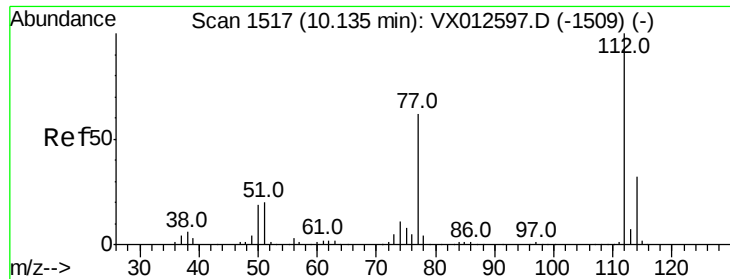
#64
Tetrachloroethene
Concen: 21.206 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012858.D
Acq: 07 Oct 2019 23:46

Tgt Ion:164 Resp: 38576
Ion Ratio Lower Upper
164 100
166 123.7 107.8 161.6
129 98.4 86.2 129.2
131 97.3 80.4 120.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

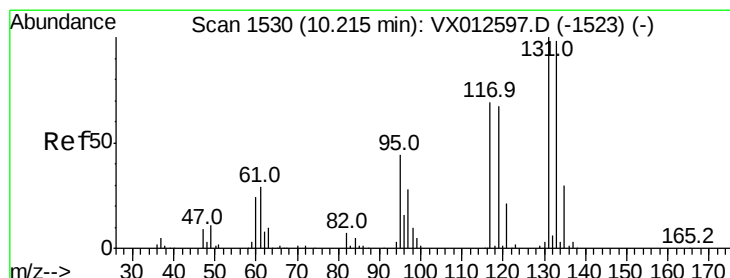
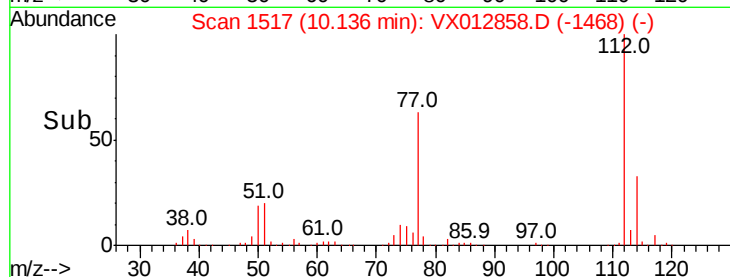
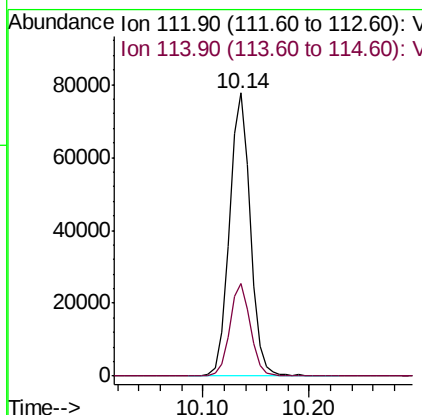
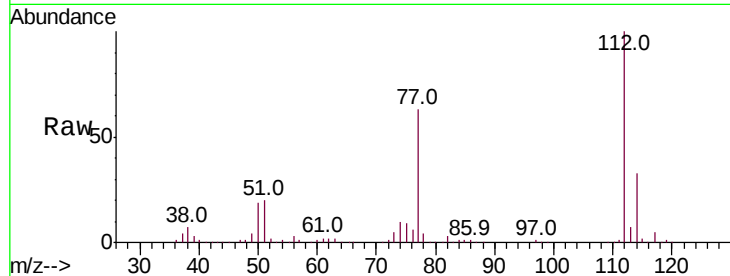




#65
Chlorobenzene
Concen: 19.400 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012858.D
Acq: 07 Oct 2019 23:46

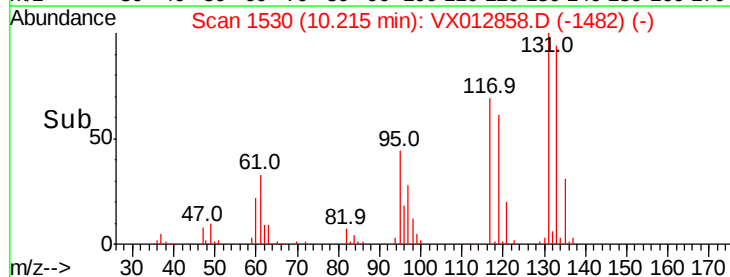
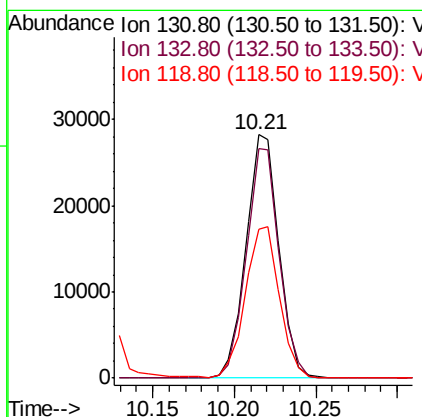
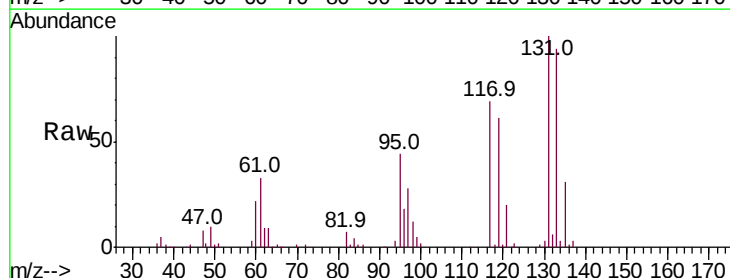
Instrument :
MSVOA_X
ClientSampleId :

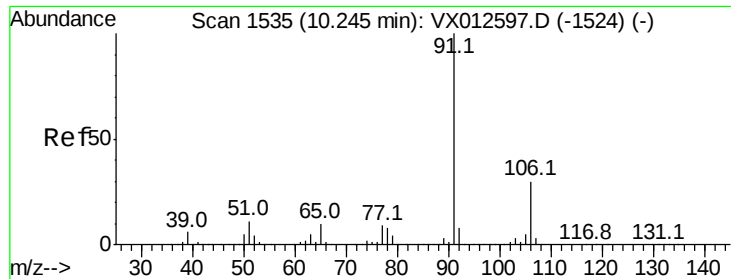
Tot Ion:112 Resp: 106587
Ion Ratio Lower Upper
112 100
114 32.8 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.847 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VX012858.D
Acq: 07 Oct 2019 23:46

Tgt Ion:131 Resp: 39508
Ion Ratio Lower Upper
131 100
133 94.3 47.6 142.9
119 64.5 31.3 93.8

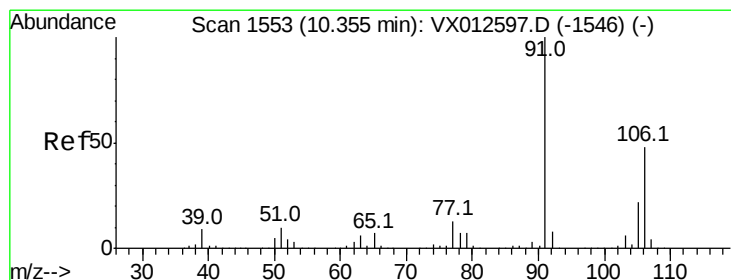
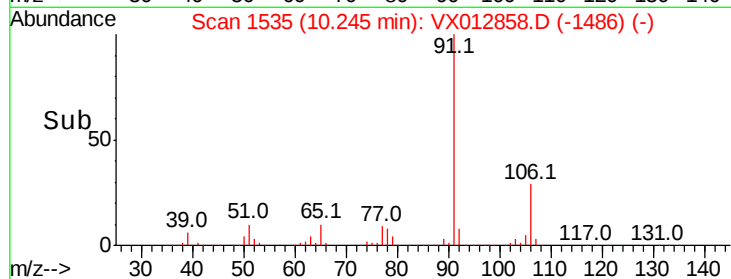
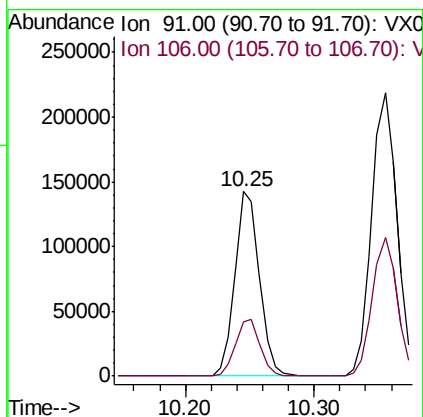
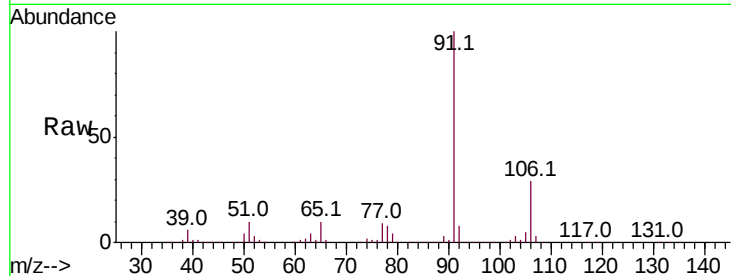




#67
Ethyl Benzene
Concen: 19.002 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012858.D
Acq: 07 Oct 2019 23:46

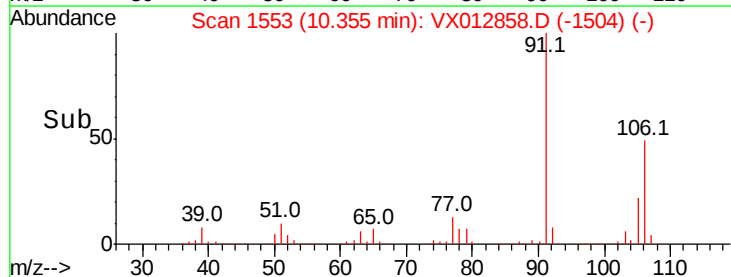
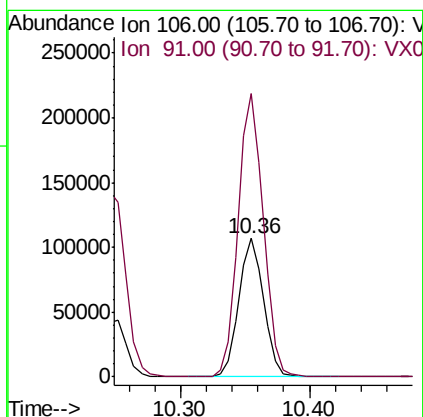
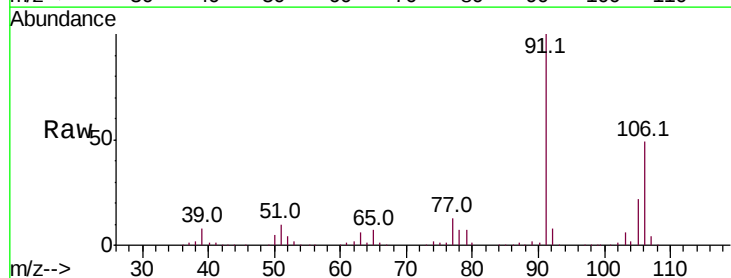
Instrument :
MSVOA_X
ClientSampled :

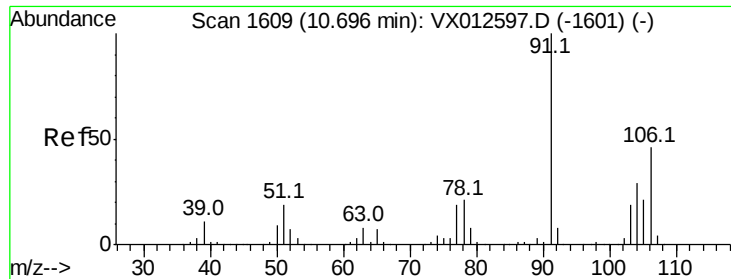
Tot Ion: 91 Resp: 189351
Ion Ratio Lower Upper
91 100
106 29.2 24.6 37.0



#68
m/p-Xylenes
Concen: 38.273 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012858.D
Acq: 07 Oct 2019 23:46

Tgt Ion: 106 Resp: 142869
Ion Ratio Lower Upper
106 100
91 207.1 166.6 250.0

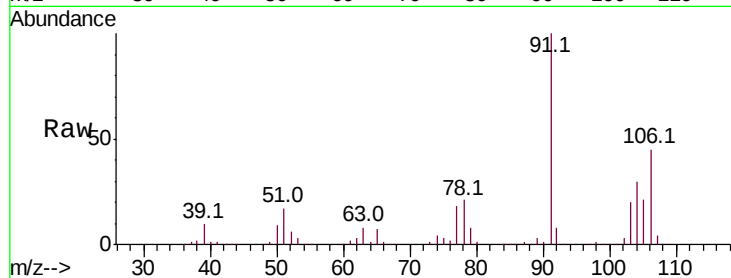




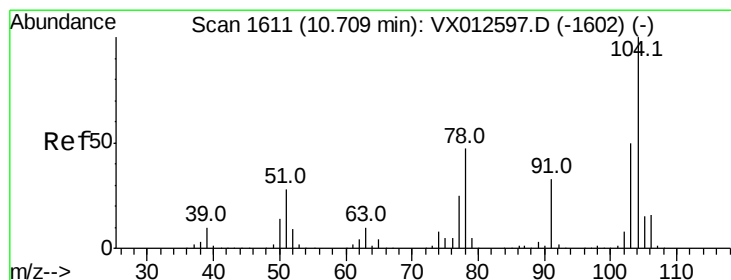
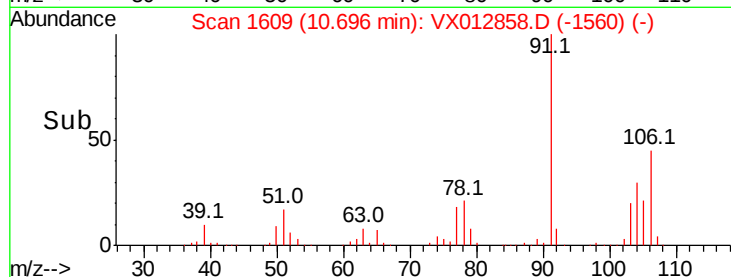
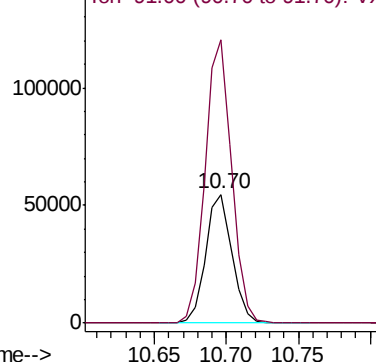
#69
o-Xylene
Concen: 19.300 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012858.D
Acq: 07 Oct 2019 23:46

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 69712
Ion Ratio Lower Upper
106 100
91 222.3 109.4 328.2

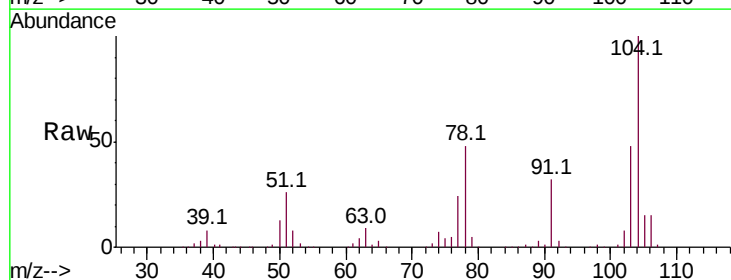


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

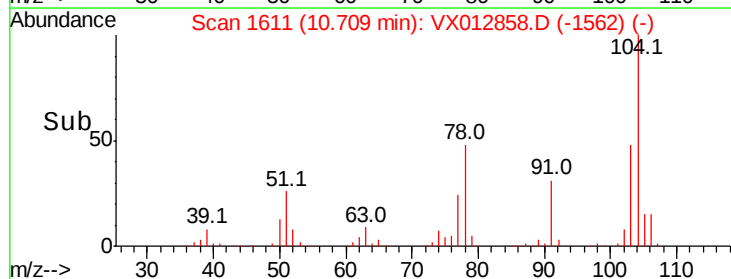
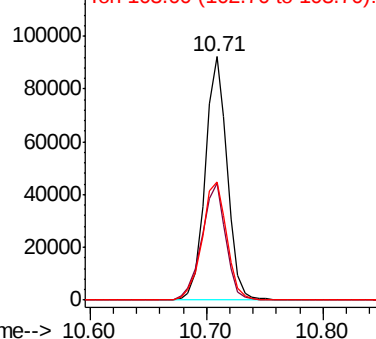


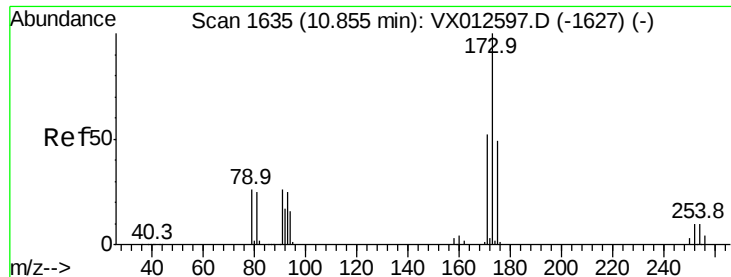
#70
Styrene
Concen: 20.002 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012858.D
Acq: 07 Oct 2019 23:46

Tgt Ion:104 Resp: 121118
Ion Ratio Lower Upper
104 100
78 52.4 43.4 65.2
103 54.3 43.3 64.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.503 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012858.D

Acq: 07 Oct 2019 23:46

Instrument :

MSVOA_X

ClientSampleId :

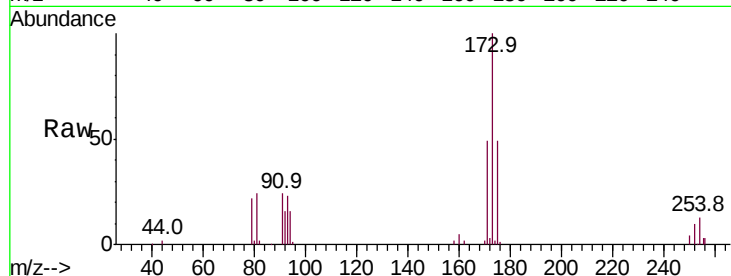
Tot Ion:173 Resp: 27034

Ion Ratio Lower Upper

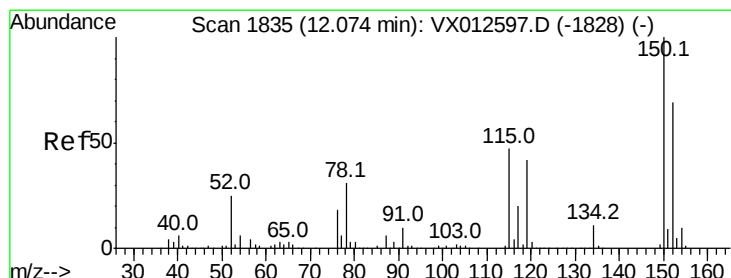
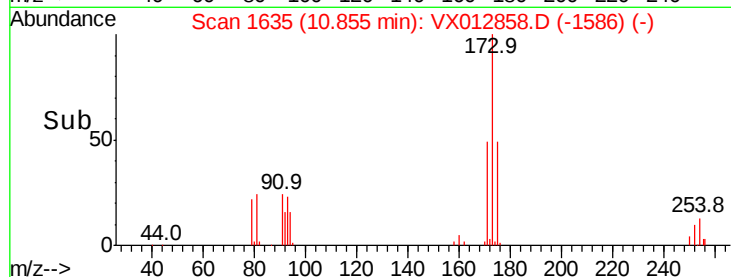
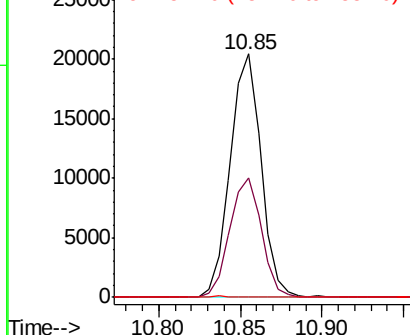
173 100

175 50.0 23.7 71.1

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012858.D

Acq: 07 Oct 2019 23:46

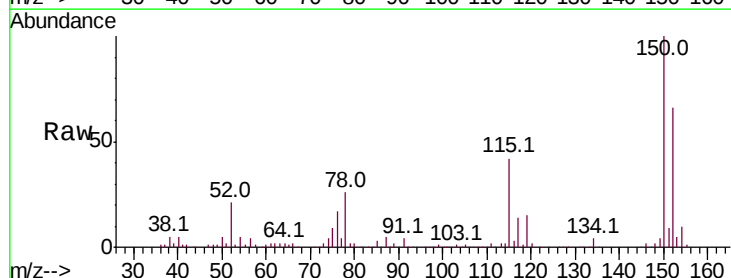
Tgt Ion:152 Resp: 120501

Ion Ratio Lower Upper

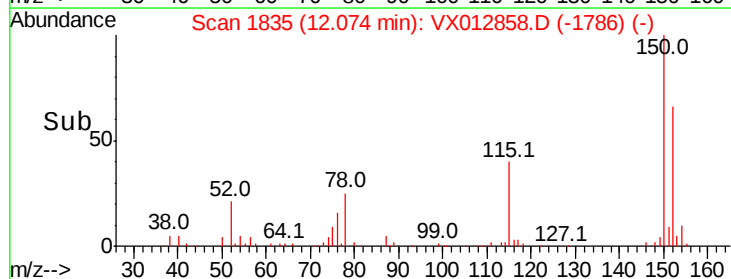
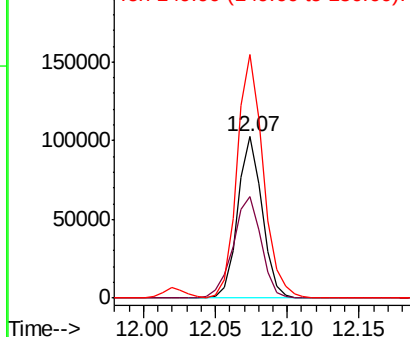
152 100

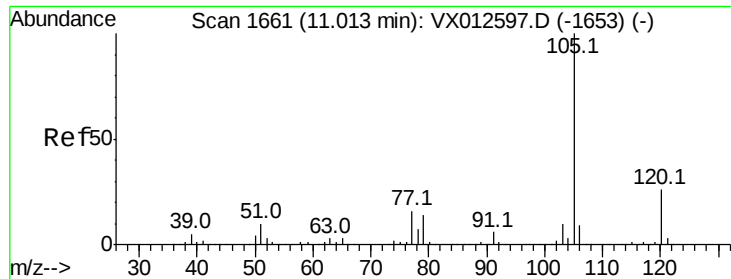
115 72.6 44.1 132.3

150 161.9 0.0 343.8



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

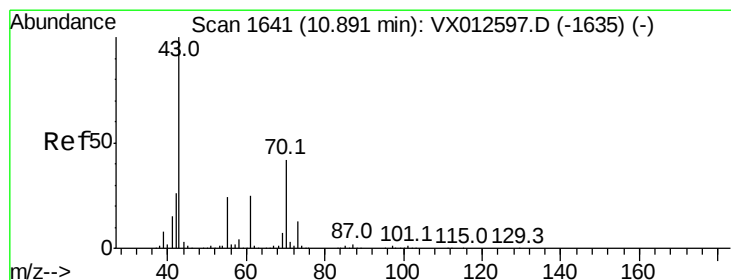
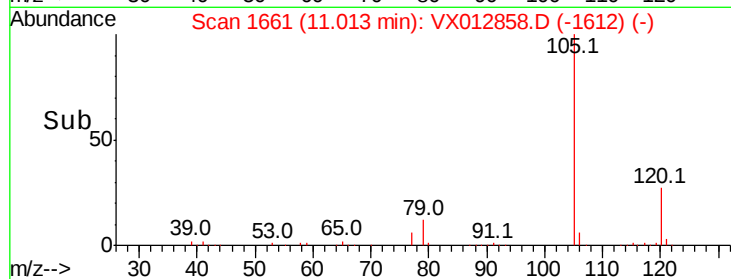
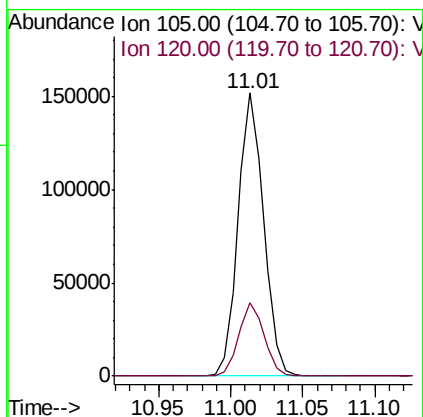
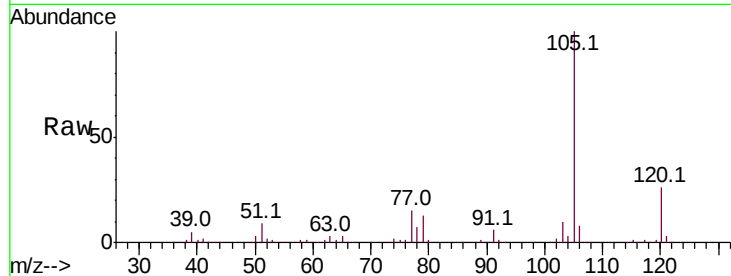




#73
Isopropylbenzene
Concen: 19.093 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX012858.D
Acq: 07 Oct 2019 23:46

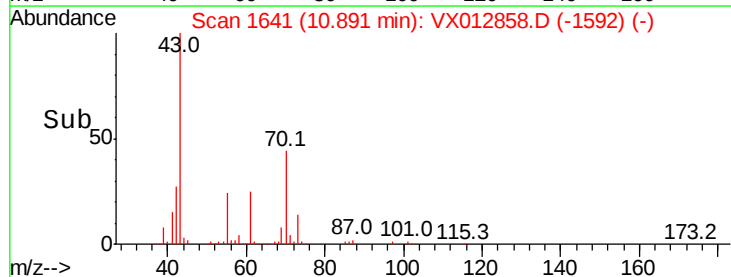
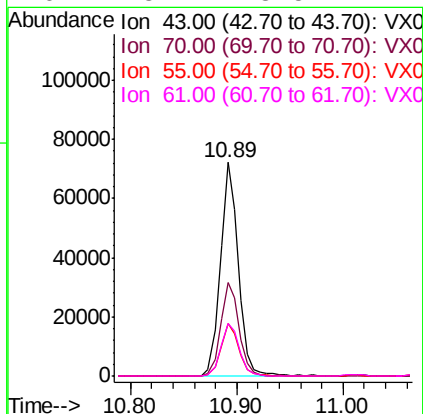
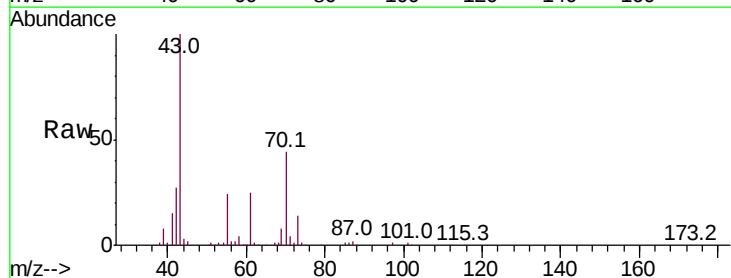
Instrument :
MSVOA_X
ClientSampleId :

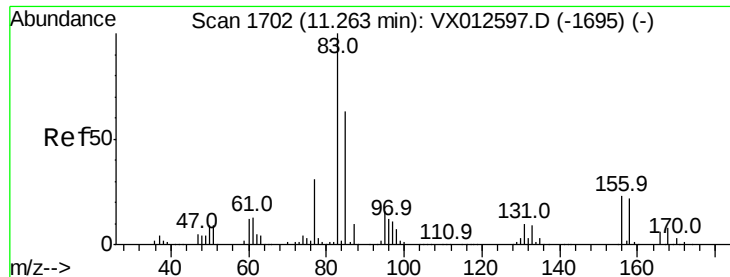
Tot Ion:105 Resp: 187385
Ion Ratio Lower Upper
105 100
120 25.7 12.9 38.7



#74
N-ethyl acetate
Concen: 18.023 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VX012858.D
Acq: 07 Oct 2019 23:46

Tgt Ion: 43 Resp: 84387
Ion Ratio Lower Upper
43 100
70 44.6 32.4 48.6
55 24.8 18.2 27.4
61 25.4 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.994 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012858.D

Acq: 07 Oct 2019 23:46

Instrument :

MSVOA_X

ClientSampleId :

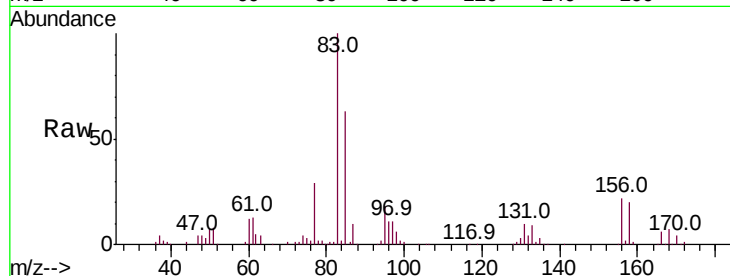
Tot Ion: 83 Resp: 64987

Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.2	15.6
85	63.7	32.0	96.0

83 100

131 9.7 5.2 15.6

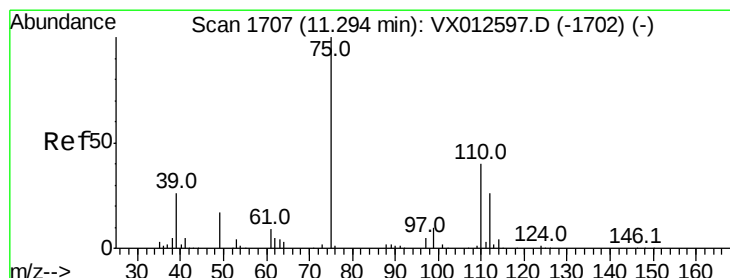
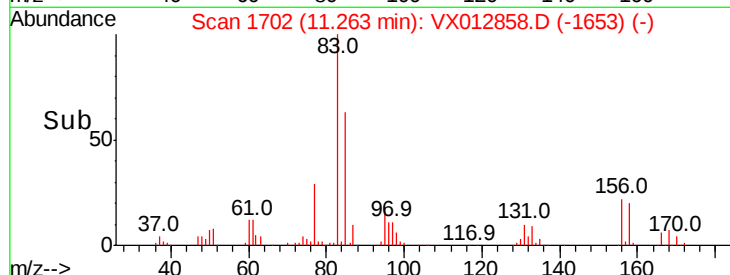
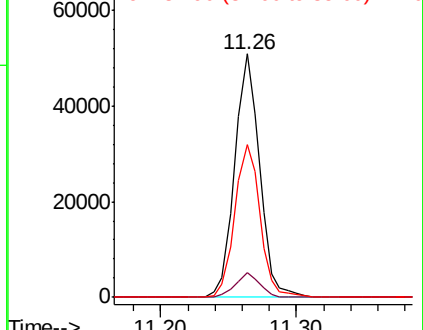
85 63.7 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 22.744 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX012858.D

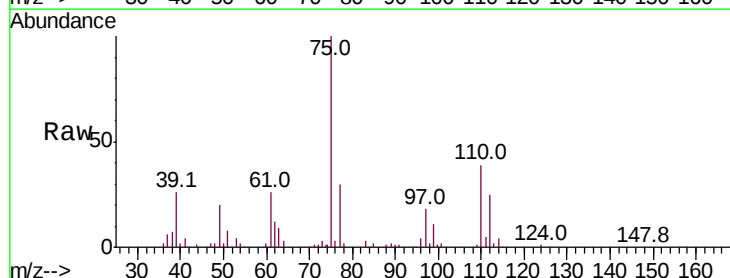
Acq: 07 Oct 2019 23:46

Tgt Ion: 75 Resp: 72498

Ion	Ratio	Lower	Upper
75	100		
77	30.9	19.7	59.0

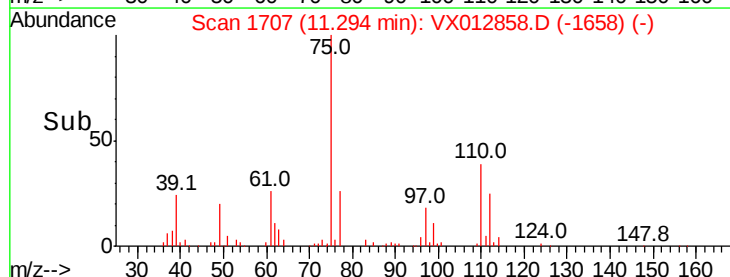
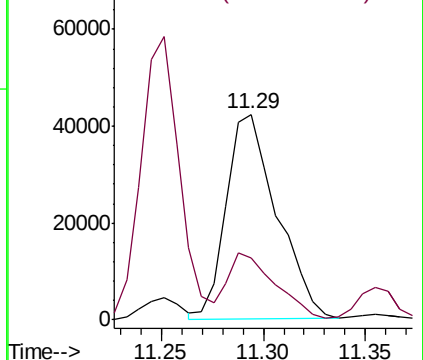
75 100

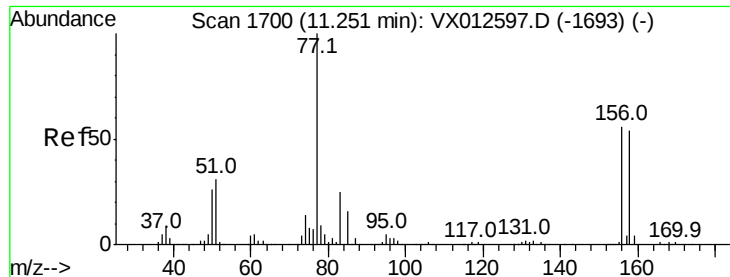
77 30.9 19.7 59.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.380 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012858.D

Acq: 07 Oct 2019 23:46

Instrument :

MSVOA_X

ClientSampleId :

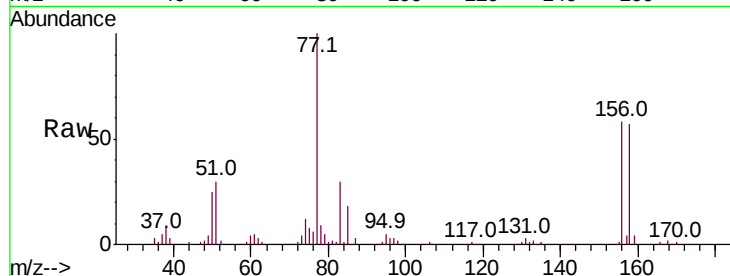
Tot Ion:156 Resp: 43049

Ion Ratio Lower Upper

156 100

77 177.5 87.3 261.8

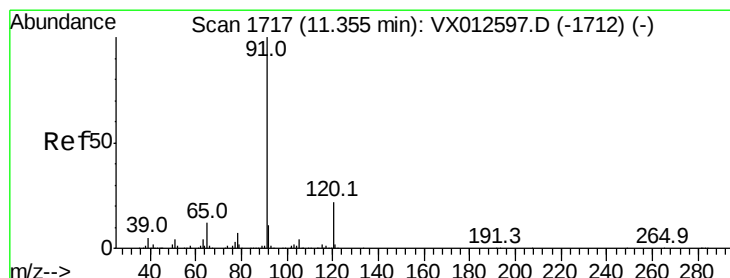
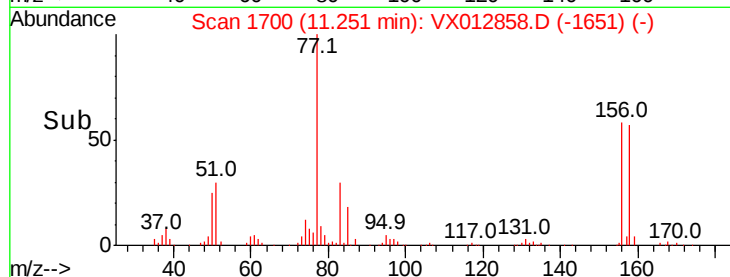
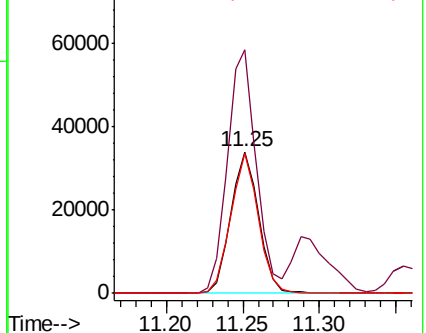
158 97.1 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.710 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012858.D

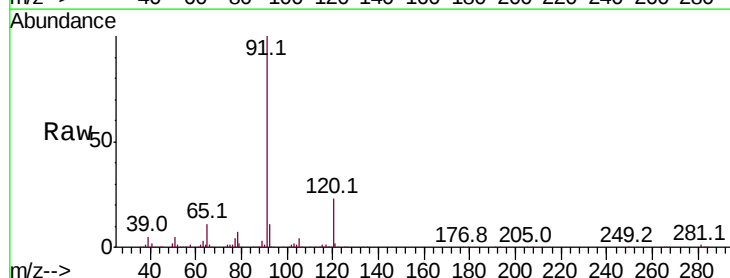
Acq: 07 Oct 2019 23:46

Tgt Ion: 91 Resp: 206729

Ion Ratio Lower Upper

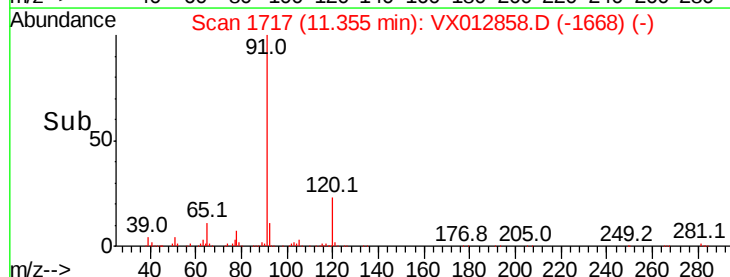
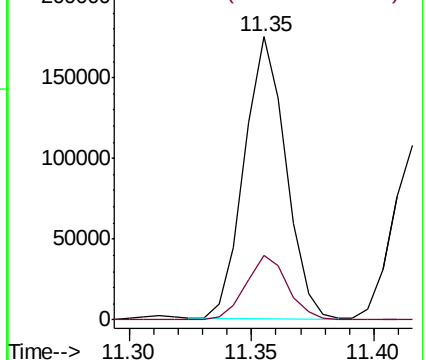
91 100

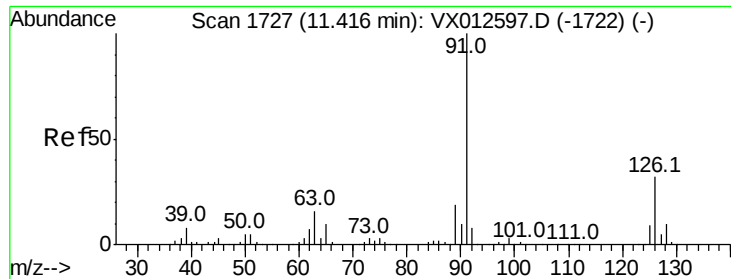
120 22.8 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

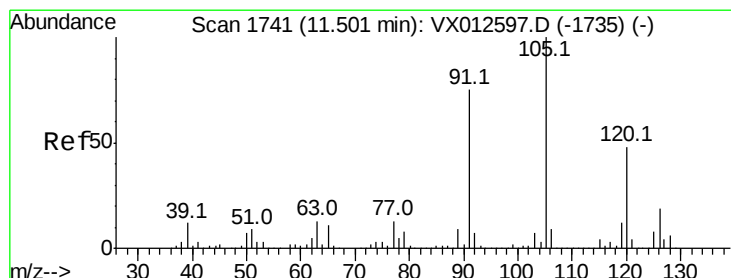
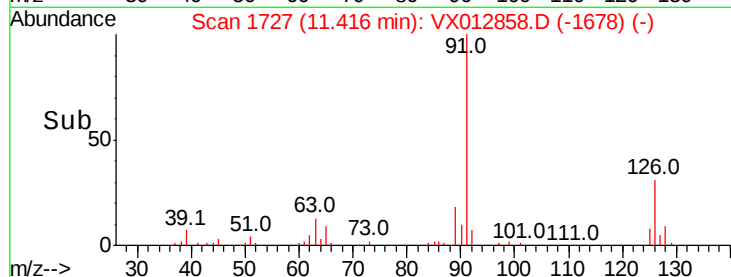
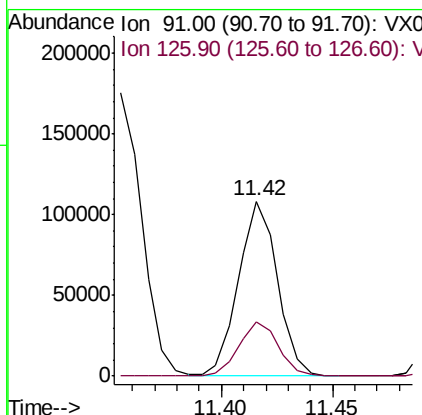
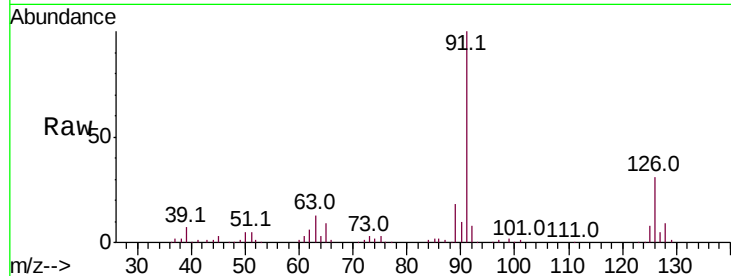




#79
2-Chlorotoluene
Concen: 19.073 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VX012858.D
Acq: 07 Oct 2019 23:46

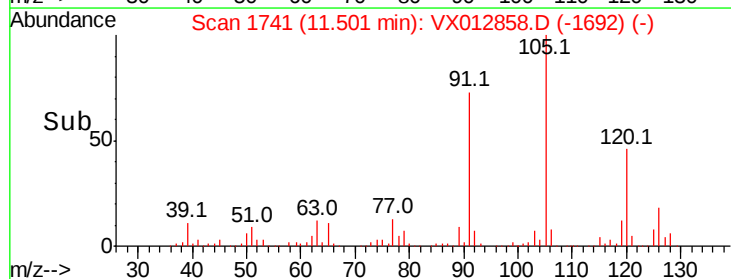
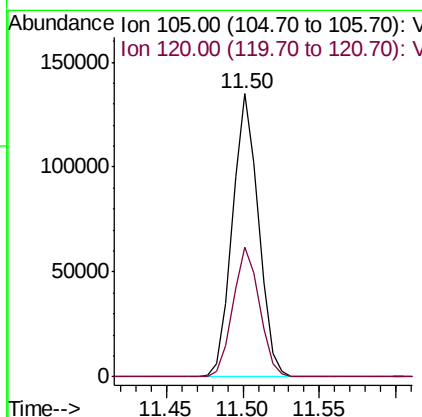
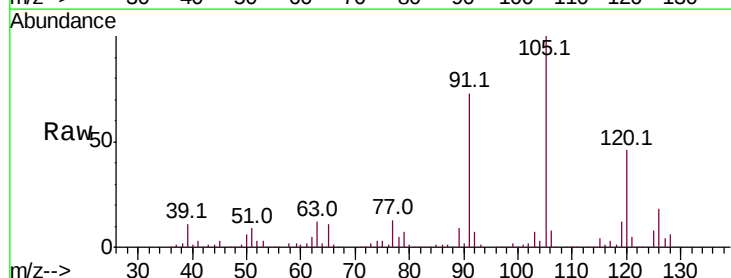
Instrument :
MSVOA_X
ClientSampleId :

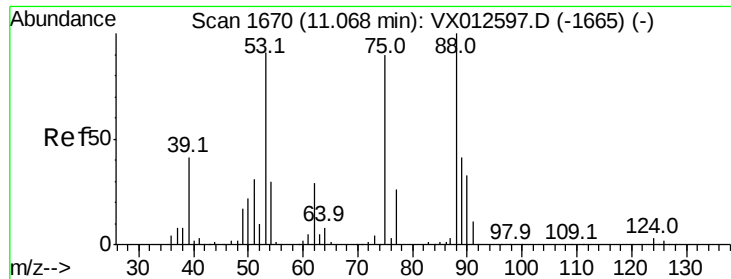
Tot Ion: 91 Resp: 131465
Ion Ratio Lower Upper
91 100
126 31.7 16.4 49.4



#80
1,3,5-Trimethylbenzene
Concen: 19.341 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX012858.D
Acq: 07 Oct 2019 23:46

Tgt Ion: 105 Resp: 159183
Ion Ratio Lower Upper
105 100
120 46.8 24.3 72.8

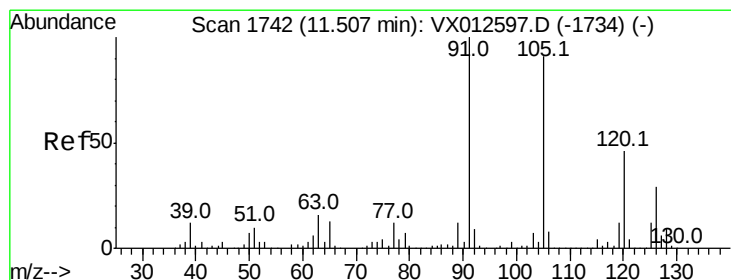
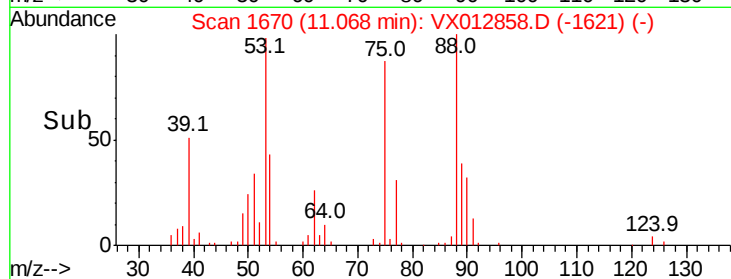
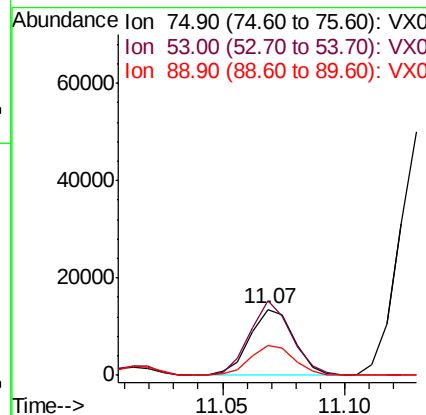
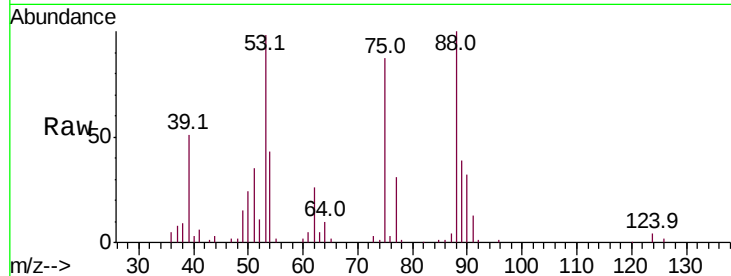




#81
trans-1,4-Dichloro-2-butene
Concen: 15.397 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX012858.D
Acq: 07 Oct 2019 23:46

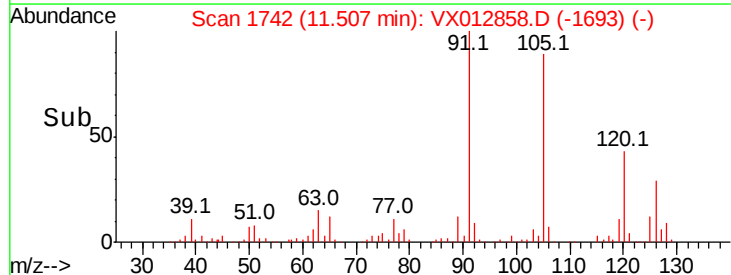
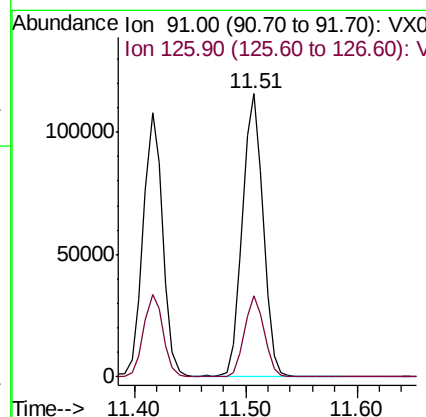
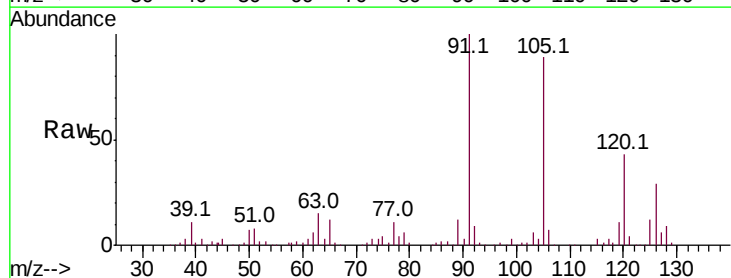
Instrument :
MSVOA_X
ClientSampleId :

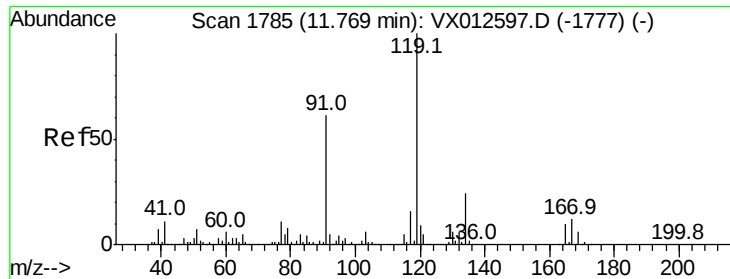
Tot Ion: 75 Resp: 17126
Ion Ratio Lower Upper
75 100
53 107.8 83.6 125.4
89 45.3 36.3 54.5



#82
4-Chlorotoluene
Concen: 18.986 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX012858.D
Acq: 07 Oct 2019 23:46

Tgt Ion: 91 Resp: 149182
Ion Ratio Lower Upper
91 100
126 27.5 14.4 43.0

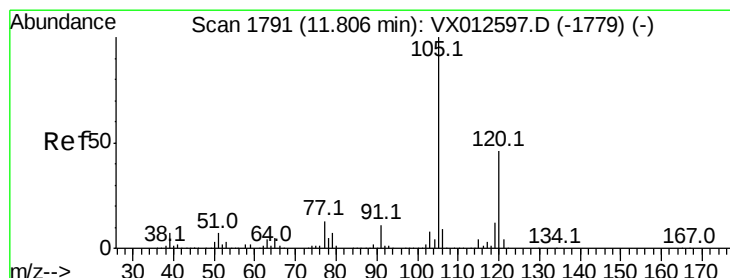
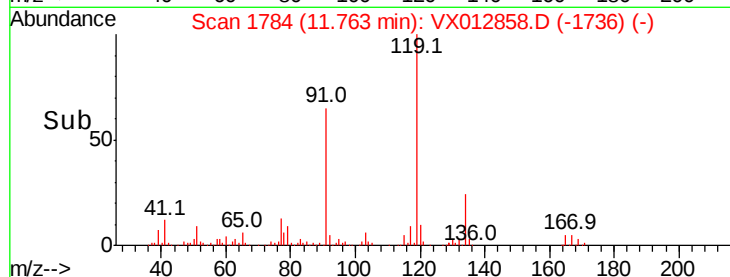
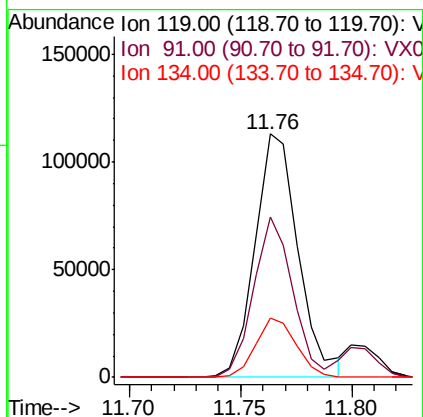
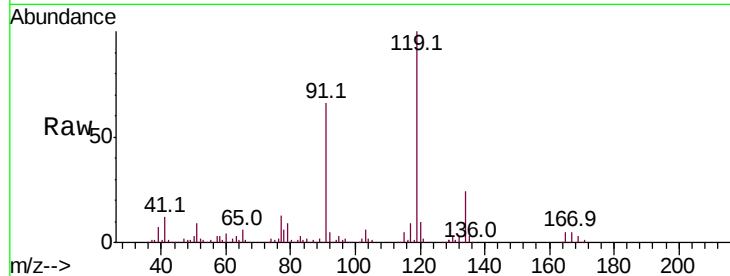




#83
tert-Butylbenzene
Concen: 19.217 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX012858.D
Acq: 07 Oct 2019 23:46

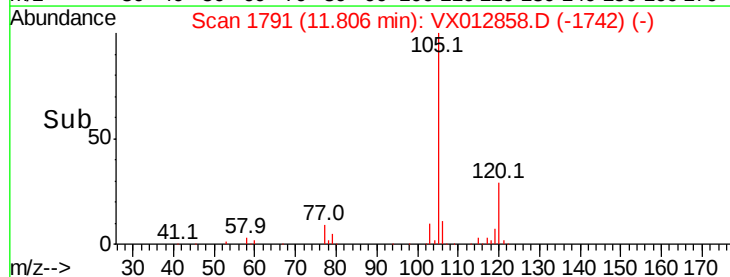
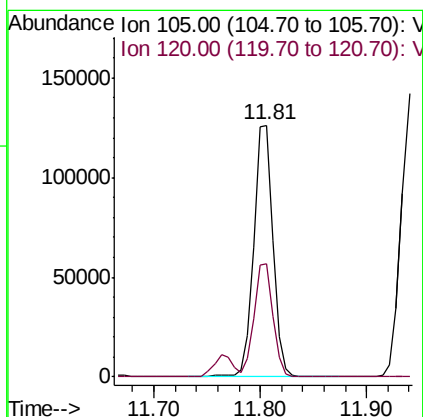
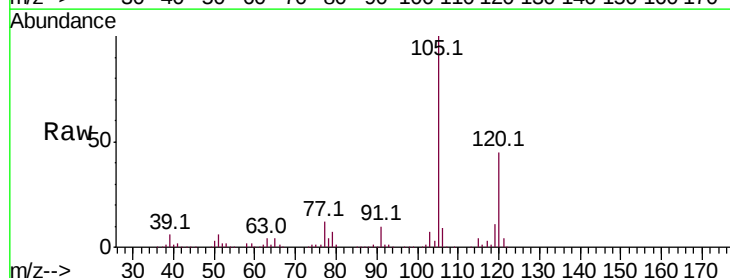
Instrument :
MSVOA_X
ClientSampled :

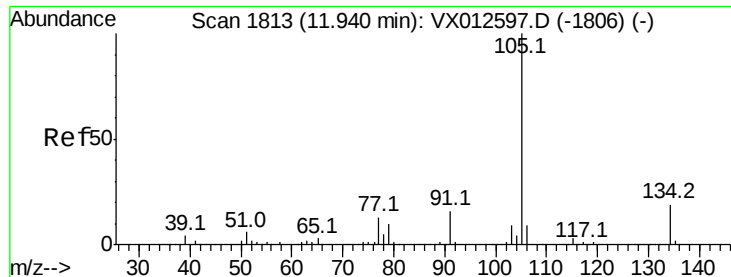
Tot Ion:119 Resp: 152564
Ion Ratio Lower Upper
119 100
91 59.6 30.0 90.0
134 22.7 11.3 33.9



#84
1,2,4-Trimethylbenzene
Concen: 19.365 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX012858.D
Acq: 07 Oct 2019 23:46

Tgt Ion:105 Resp: 160774
Ion Ratio Lower Upper
105 100
120 44.2 22.2 66.6





#85

sec-Butylbenzene

Concen: 19.070 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012858.D

Acq: 07 Oct 2019 23:46

Instrument :

MSVOA_X

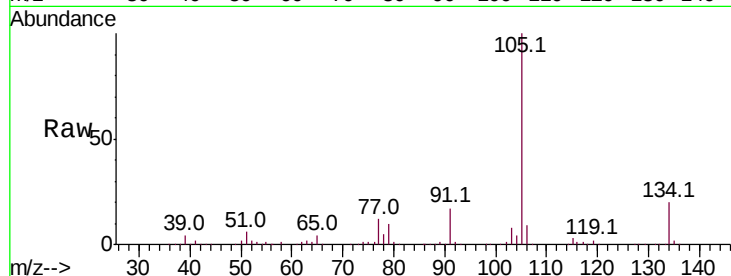
ClientSampleId :

Tot Ion:105 Resp: 176096

Ion Ratio Lower Upper

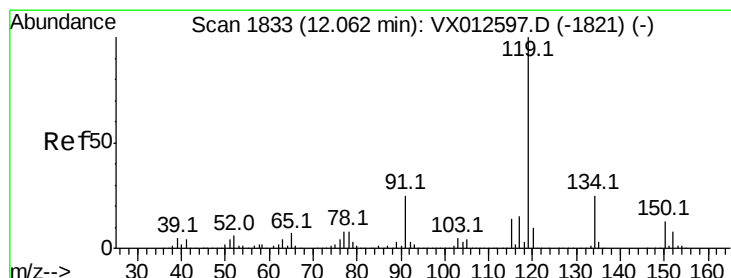
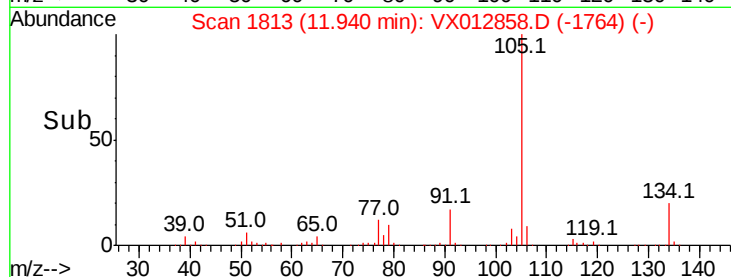
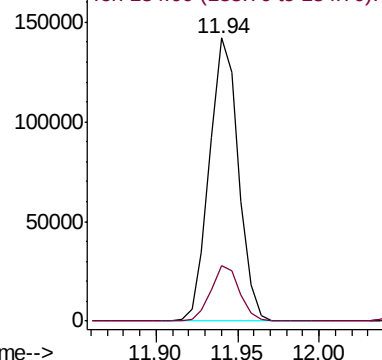
105 100

134 19.4 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.162 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012858.D

Acq: 07 Oct 2019 23:46

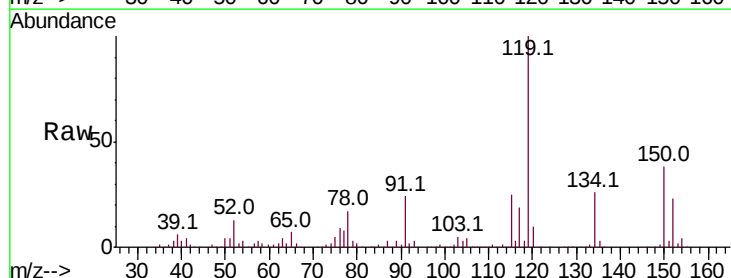
Tgt Ion:119 Resp: 159657

Ion Ratio Lower Upper

119 100

134 25.7 12.7 38.1

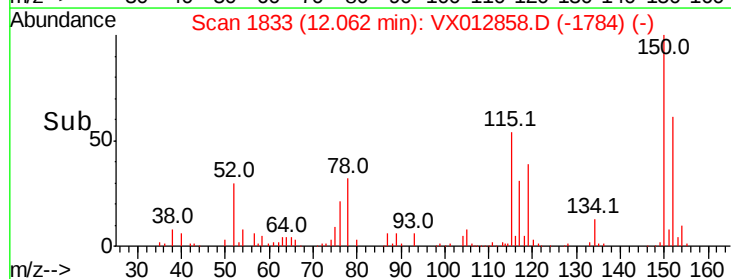
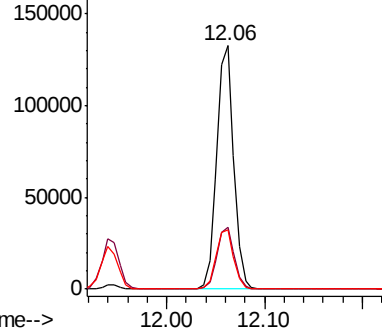
91 25.1 12.8 38.4

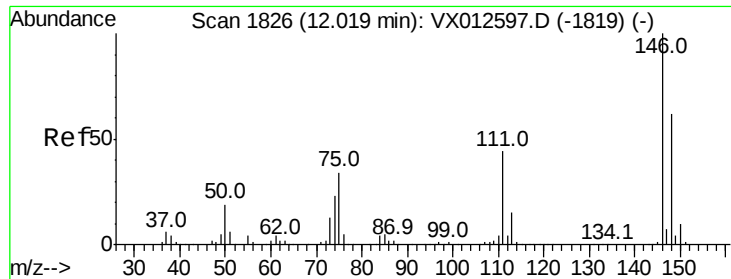


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

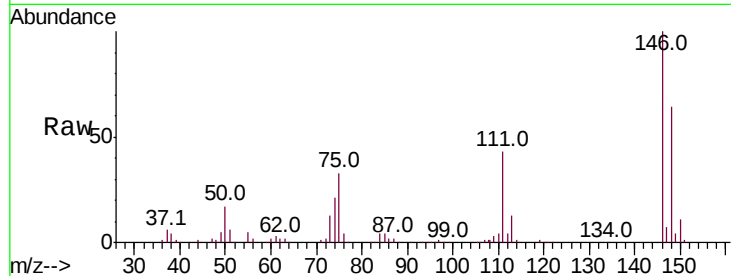




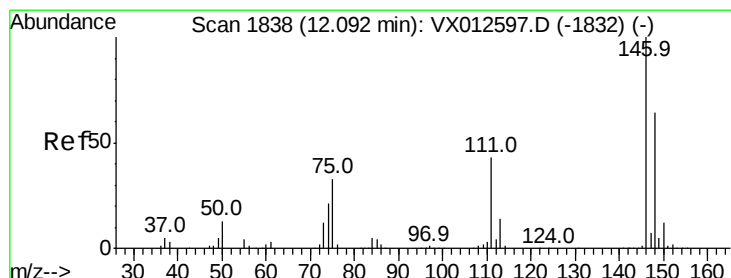
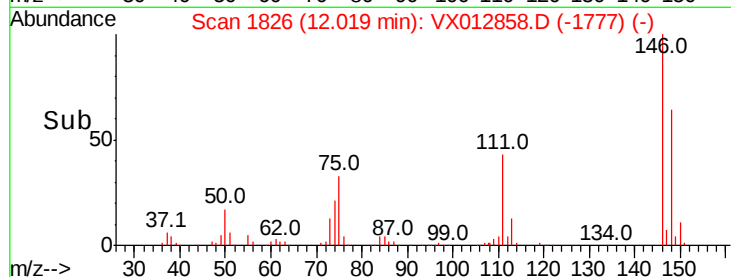
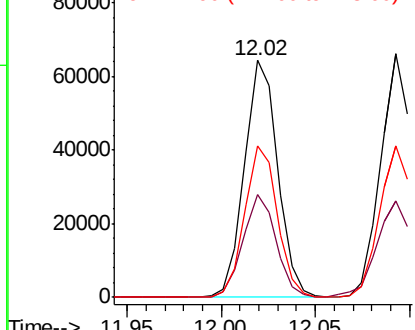
#87
 1,3-Dichlorobenzene
 Concen: 19.765 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012858.D
 Acq: 07 Oct 2019 23:46

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:146 Resp: 79008
 Ion Ratio Lower Upper
 146 100
 111 43.0 21.3 64.0
 148 63.0 32.4 97.2

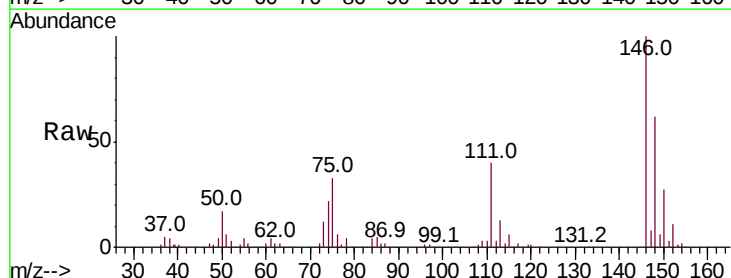


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

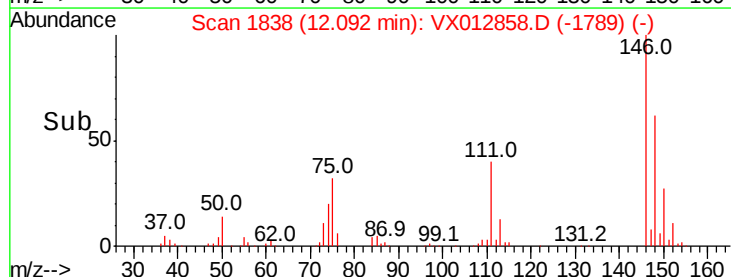
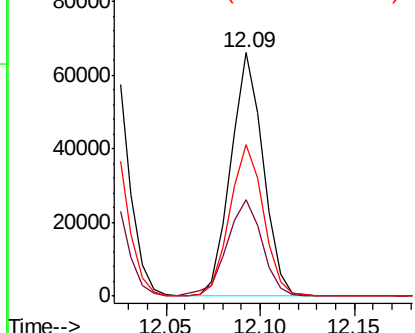


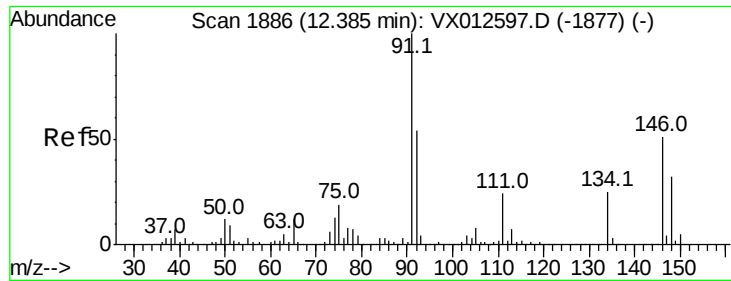
#88
 1,4-Dichlorobenzene
 Concen: 19.424 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012858.D
 Acq: 07 Oct 2019 23:46

Tgt Ion:146 Resp: 78460
 Ion Ratio Lower Upper
 146 100
 111 43.2 21.1 63.3
 148 65.1 32.1 96.5



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





#89

n-Butylbenzene

Concen: 18.101 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012858.D

Acq: 07 Oct 2019 23:46

Instrument :

MSVOA_X

ClientSampleId :

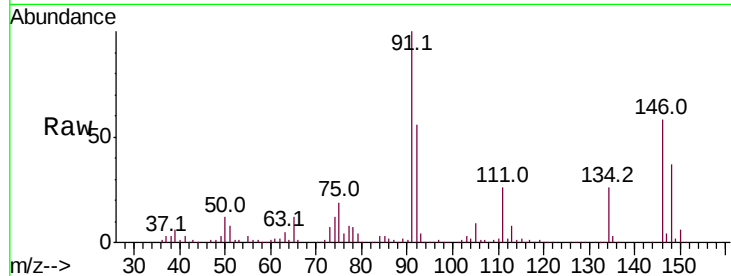
Tot Ion: 91 Resp: 132902

Ion Ratio Lower Upper

91 100

92 54.5 27.7 83.0

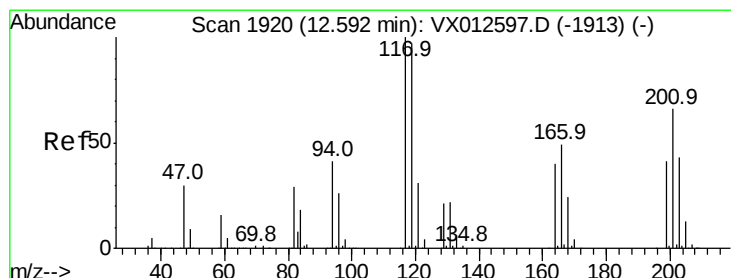
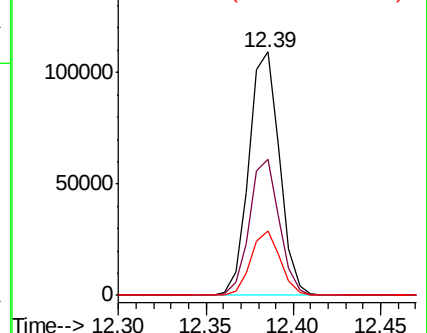
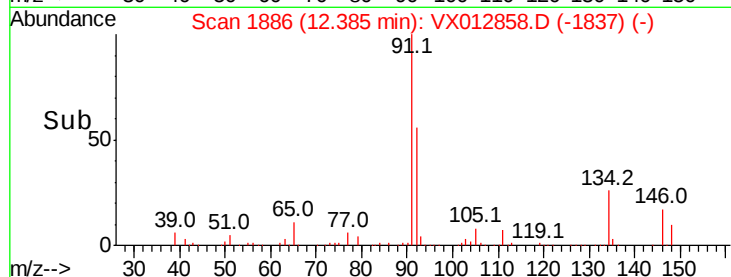
134 25.5 12.9 38.6



Abundance Ion 91.00 (90.70 to 91.70): VX012858.D (-1877) (-)

Ion 92.00 (91.70 to 92.70): VX012858.D (-1877) (-)

Ion 134.00 (133.70 to 134.70): VX012858.D (-1877) (-)



#90

Hexachloroethane

Concen: 17.692 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX012858.D

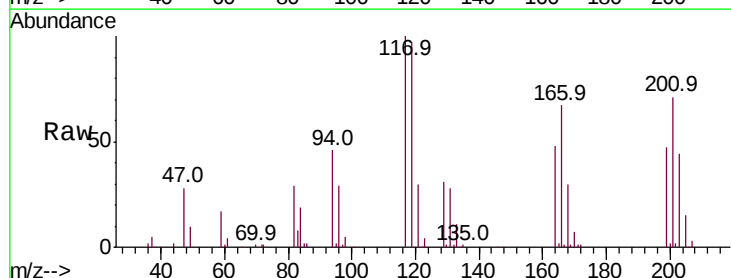
Acq: 07 Oct 2019 23:46

Tgt Ion: 117 Resp: 26280

Ion Ratio Lower Upper

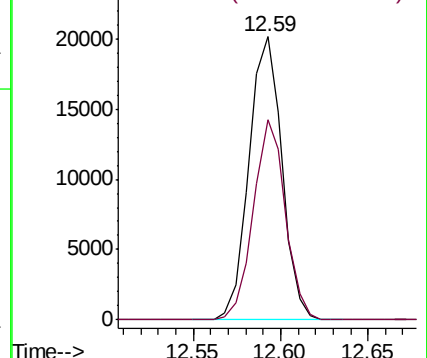
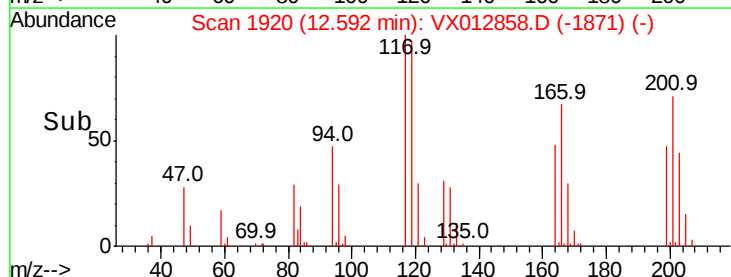
117 100

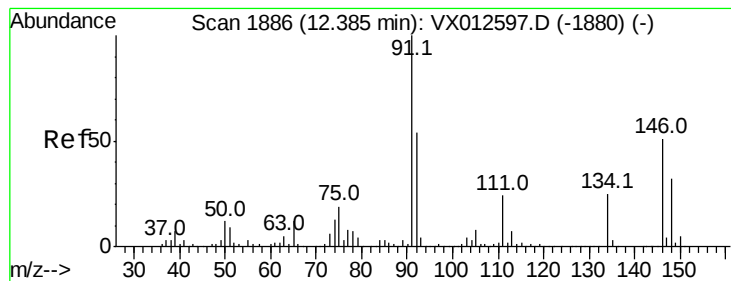
201 68.8 33.3 99.8



Abundance Ion 116.80 (116.50 to 117.50): VX012858.D (-1871) (-)

Ion 200.70 (200.40 to 201.40): VX012858.D (-1871) (-)





#91

1,2-Dichlorobenzene

Concen: 19.805 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012858.D

Acq: 07 Oct 2019 23:46

Instrument :

MSVOA_X

ClientSampled :

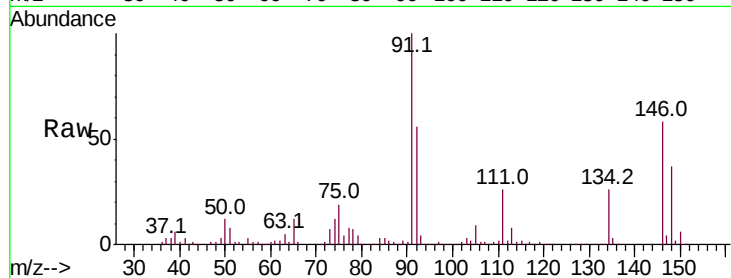
Tot Ion:146 Resp: 79261

Ion Ratio Lower Upper

146 100

111 45.6 22.1 66.1

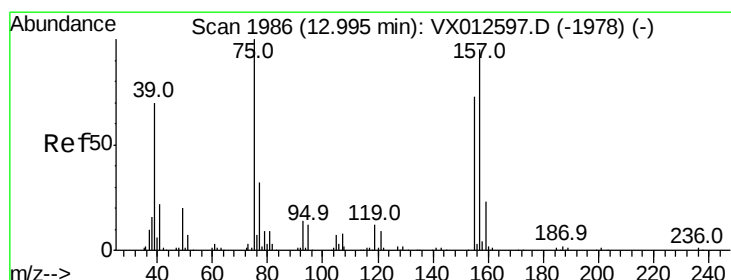
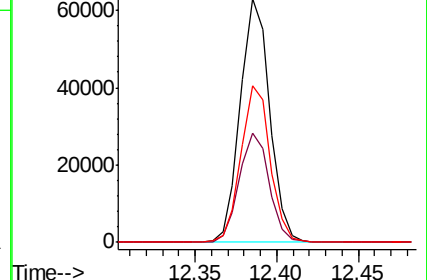
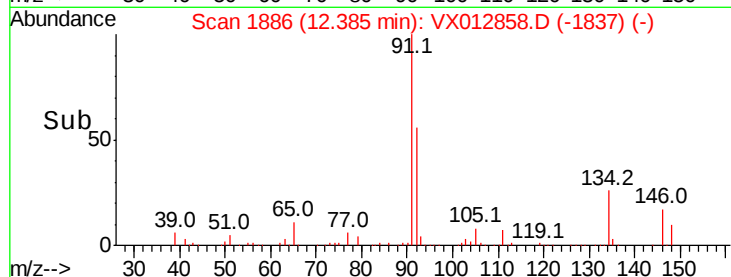
148 63.9 31.3 93.9



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: 18.083 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX012858.D

Acq: 07 Oct 2019 23:46

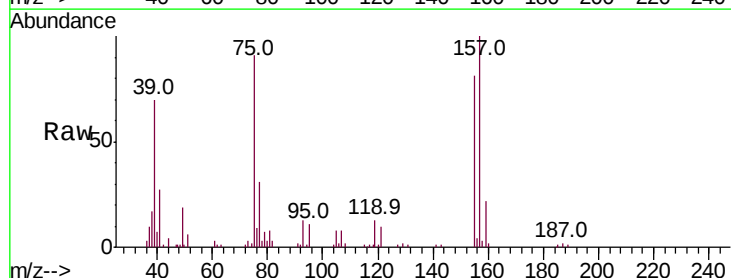
Tgt Ion: 75 Resp: 14703

Ion Ratio Lower Upper

75 100

155 79.9 38.6 115.8

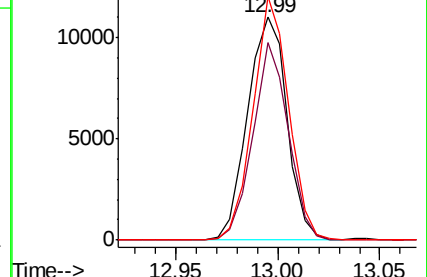
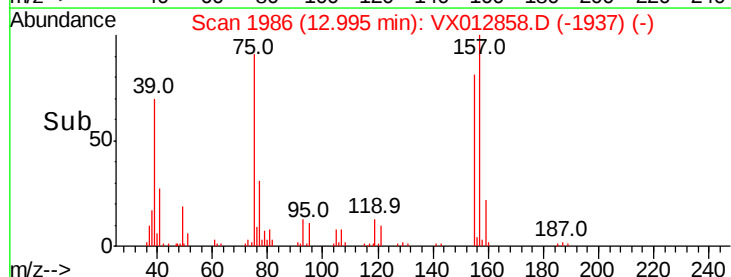
157 99.2 50.6 151.9

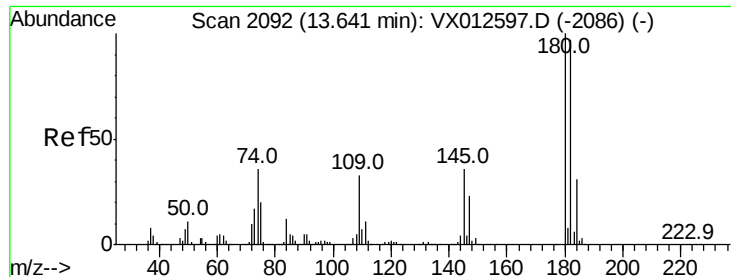


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 19.569 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX012858.D

Acq: 07 Oct 2019 23:46

Instrument :

MSVOA_X

ClientSampleId :

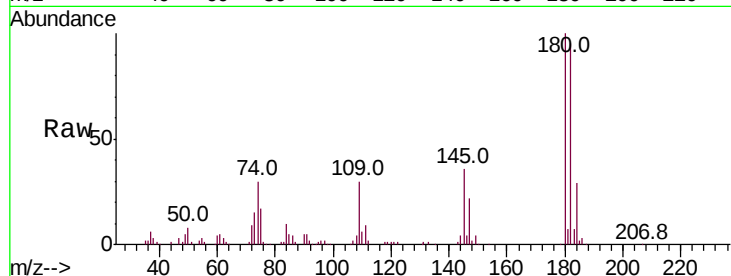
Tot Ion:180 Resp: 47760

Ion Ratio Lower Upper

180 100

182 93.2 47.0 141.0

145 33.0 16.8 50.4

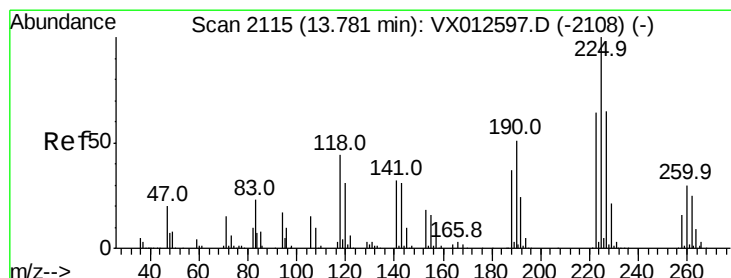
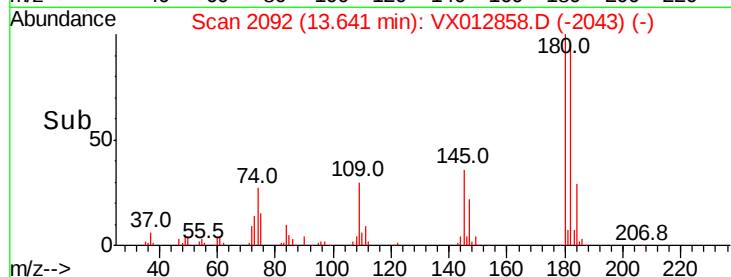
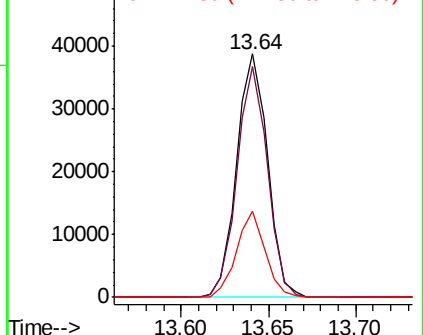


Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 19.513 ug/l

RT: 13.78 min Scan# 2114

Delta R.T. -0.01 min

Lab File: VX012858.D

Acq: 07 Oct 2019 23:46

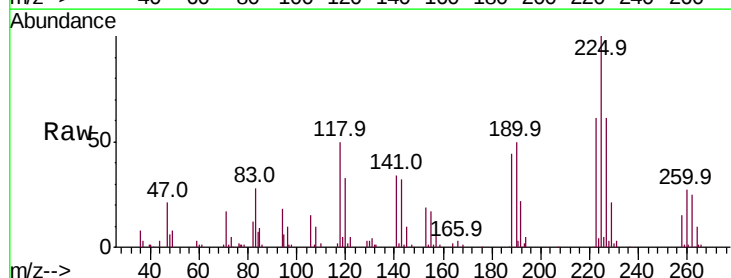
Tgt Ion:225 Resp: 20488

Ion Ratio Lower Upper

225 100

223 62.0 32.0 96.2

227 61.5 31.9 95.5

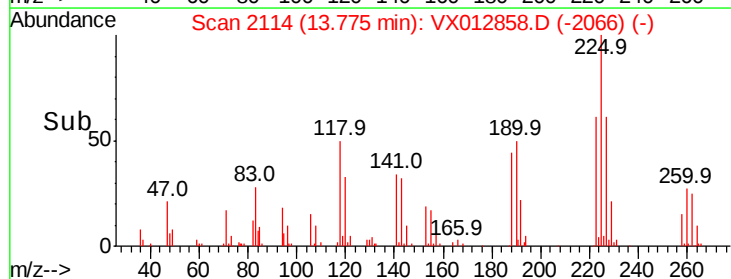
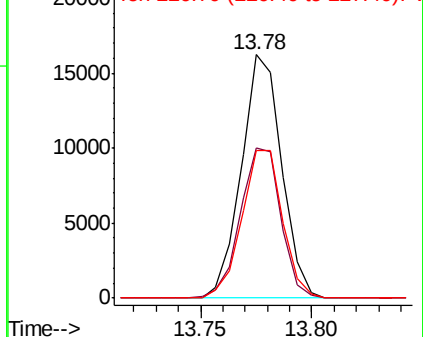


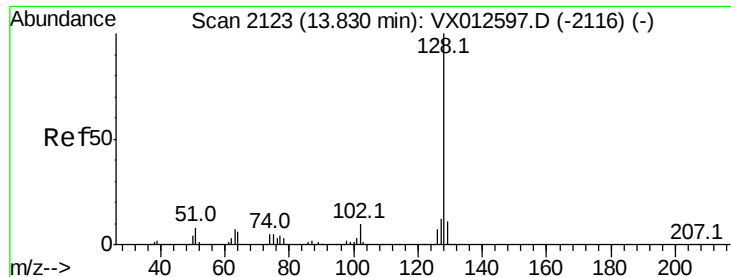
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

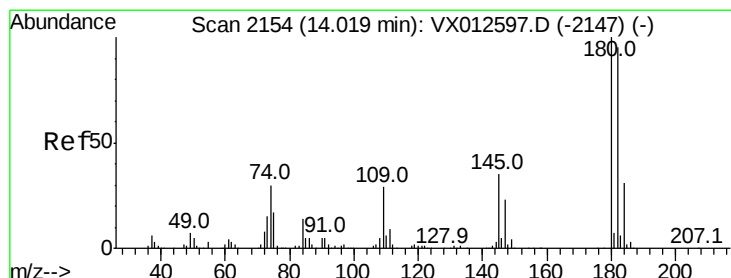
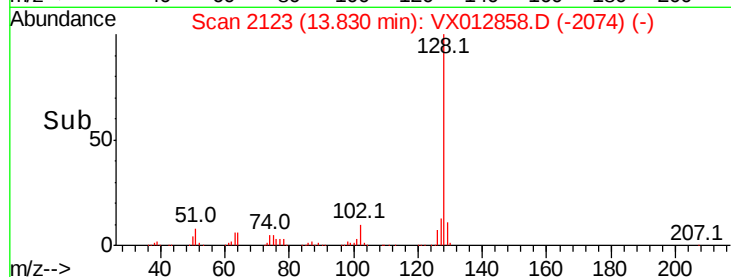
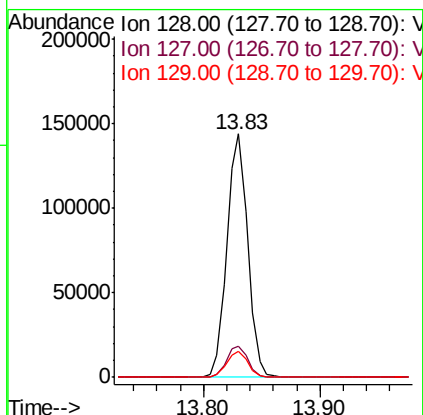
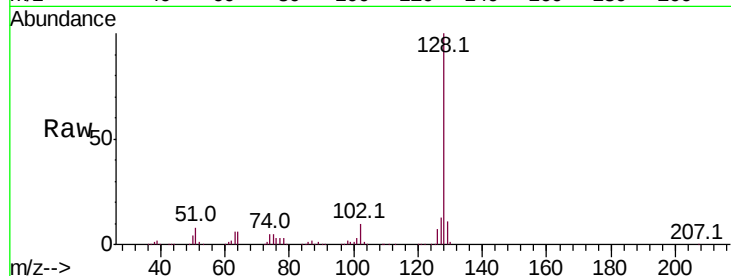




#95
Naphthalene
Concen: 20.158 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012858.D
Acq: 07 Oct 2019 23:46

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 177997
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 20.311 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX012858.D
Acq: 07 Oct 2019 23:46

Tgt Ion:180 Resp: 49657
Ion Ratio Lower Upper
180 100
182 96.3 47.1 141.3
145 34.5 18.0 54.0

