

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX103019\
 Data File : VX013280.D
 Acq On : 30 Oct 2019 12:10
 Operator : JC/SP
 Sample : VX1030WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 31 01:38:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 03:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	72258	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	102467	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	103418	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	70224	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	81151	53.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.40%	
35) Dibromofluoromethane	5.49	113	62882	55.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.06%	
50) Toluene-d8	8.71	98	220067	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
62) 4-Bromofluorobenzene	11.13	95	86792	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	26312	18.046	ug/l	100
3) Chloromethane	1.32	50	20860	18.011	ug/l	96
4) Vinyl Chloride	1.40	62	22670	17.277	ug/l	97
5) Bromomethane	1.63	94	16499	23.723	ug/l	94
6) Chloroethane	1.72	64	20241	26.355	ug/l	97
7) Trichlorofluoromethane	1.92	101	52908	25.699	ug/l	98
8) Diethyl Ether	2.18	74	18131	25.532	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	24788	19.331	ug/l	99
10) Methyl Iodide	2.50	142	24502	17.633	ug/l	99
11) Tert butyl alcohol	3.03	59	34506	104.626	ug/l	100
12) 1,1-Dichloroethene	2.37	96	22486	18.268	ug/l	95
13) Acrolein	2.28	56	14418	81.312	ug/l	99
14) Allyl chloride	2.72	41	34326	17.713	ug/l	96
15) Acrylonitrile	3.13	53	63033	94.622	ug/l	98
16) Acetone	2.44	43	68097	95.640	ug/l	99
17) Carbon Disulfide	2.56	76	54129	16.357	ug/l	99
18) Methyl Acetate	2.76	43	31878	21.076	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	84492	19.492	ug/l	100
20) Methylene Chloride	2.85	84	26324	19.945	ug/l	94
21) trans-1,2-Dichloroethene	3.15	96	24919	19.748	ug/l	90
22) Diisopropyl ether	3.85	45	71265	18.808	ug/l	97
23) Vinyl Acetate	3.81	43	304416	94.523	ug/l	97
24) 1,1-Dichloroethane	3.69	63	44569	19.123	ug/l	98
25) 2-Butanone	4.66	43	90060	94.316	ug/l	96
26) 2,2-Dichloropropane	4.58	77	41558	19.294	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	28796	19.102	ug/l	99
28) Bromochloromethane	5.01	49	12361	20.569	ug/l	98
29) Tetrahydrofuran	5.12	42	52615	91.414	ug/l	98
30) Chloroform	5.20	83	49462	19.933	ug/l	99
31) Cyclohexane	5.58	56	36371	18.609	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	46049	20.871	ug/l	99
36) 1,1-Dichloropropene	5.79	75	34917	20.311	ug/l	99
37) Ethyl Acetate	4.82	43	32981	19.315	ug/l	98
38) Carbon Tetrachloride	5.78	117	38778	20.474	ug/l	94

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Quant Time: Oct 31 01:38:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 03:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	39635	18.068	ug/l	97
40) Benzene	6.14	78	99058	19.247	ug/l	96
41) Methacrylonitrile	5.03	41	17626	19.254	ug/l	96
42) 1,2-Dichloroethane	6.18	62	41088	21.174	ug/l	99
43) Isopropyl Acetate	6.43	43	55065	19.423	ug/l	99
44) Trichloroethene	7.20	130	27145	18.583	ug/l	95
45) 1,2-Dichloropropane	7.51	63	24116	18.708	ug/l	100
46) Dibromomethane	7.65	93	18327	19.733	ug/l	98
47) Bromodichloromethane	7.89	83	36549	20.194	ug/l	99
48) Methyl methacrylate	7.76	41	27658	19.738	ug/l	98
49) 1,4-Dioxane	7.73	88	14245	399.434	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	169994	98.374	ug/l	100
52) Toluene	8.78	92	65330	19.153	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	39294	20.430	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	42086	20.002	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	26981	20.008	ug/l	95
56) Ethyl methacrylate	9.17	69	40248	19.830	ug/l	98
57) 1,3-Dichloropropane	9.37	76	44899	19.733	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	83137	104.977	ug/l	98
59) 2-Hexanone	9.48	43	130707	98.195	ug/l	97
60) Dibromochloromethane	9.57	129	30299	21.442	ug/l	99
61) 1,2-Dibromoethane	9.67	107	29348	20.500	ug/l	97
64) Tetrachloroethene	9.33	164	28245	21.018	ug/l	98
65) Chlorobenzene	10.14	112	70980	19.607	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	28307	21.166	ug/l	98
67) Ethyl Benzene	10.25	91	127613	19.690	ug/l	99
68) m/p-Xylenes	10.35	106	94057	38.402	ug/l	98
69) o-Xylene	10.70	106	46257	19.688	ug/l	98
70) Styrene	10.71	104	77676	19.199	ug/l	97
71) Bromoform	10.85	173	20138	20.608	ug/l #	99
73) Isopropylbenzene	11.01	105	128187	20.101	ug/l	99
74) N-amyl acetate	10.89	43	44823	19.151	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	36791	19.001	ug/l	92
76) 1,2,3-Trichloropropane	11.29	75	45060	26.623	ug/l	87
77) Bromobenzene	11.25	156	29862	19.538	ug/l	98
78) n-propylbenzene	11.35	91	136863	19.758	ug/l	100
79) 2-Chlorotoluene	11.42	91	87225	19.930	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	109404	20.640	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	11826	19.200	ug/l	96
82) 4-Chlorotoluene	11.51	91	98898	19.943	ug/l	99
83) tert-Butylbenzene	11.76	119	101763	19.405	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	112748	21.088	ug/l	98
85) sec-Butylbenzene	11.94	105	118046	19.781	ug/l	100
86) p-Isopropyltoluene	12.06	119	111547	19.896	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	54379	19.694	ug/l	97
88) 1,4-Dichlorobenzene	12.09	146	52655	18.730	ug/l	99
89) n-Butylbenzene	12.38	91	84116	18.340	ug/l	99
90) Hexachloroethane	12.59	117	18397	19.594	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	51994	19.150	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	9793	20.338	ug/l	96

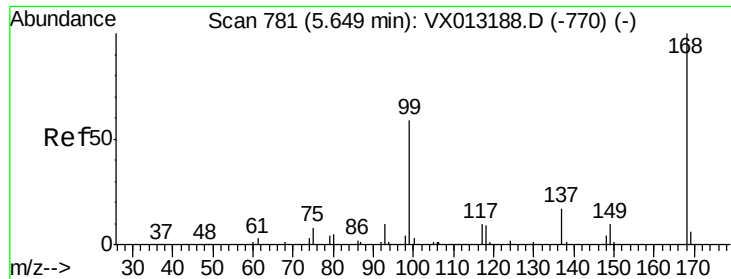
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Quant Title : SW846 8260
QLast Update : Thu Oct 24 03:56:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	30680	17.945	ug/l	98
94) Hexachlorobutadiene	13.78	225	16554	18.718	ug/l	98
95) Naphthalene	13.83	128	100834	19.216	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	31551	18.675	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

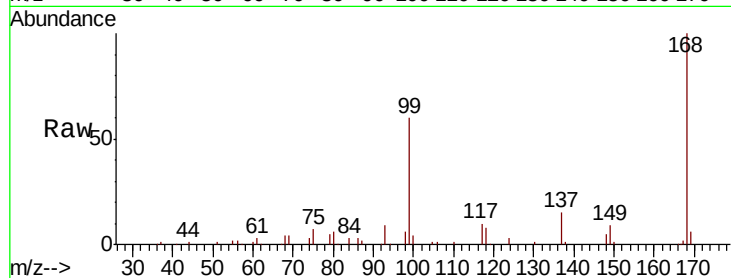
ClientSampled :

Tot Ion:168 Resp: 72258

Ion Ratio Lower Upper

168 100

99 59.6 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

30000

25000

20000

15000

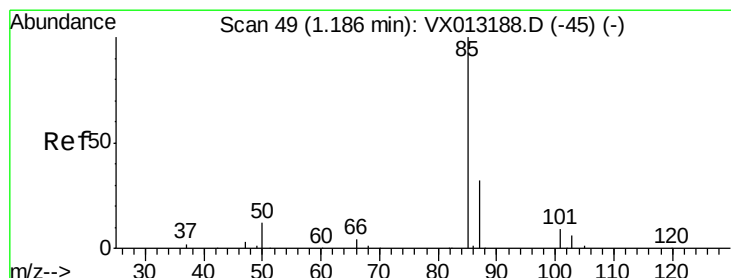
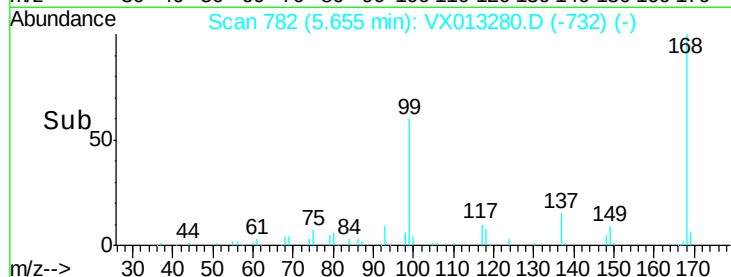
10000

5000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 18.046 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX013280.D

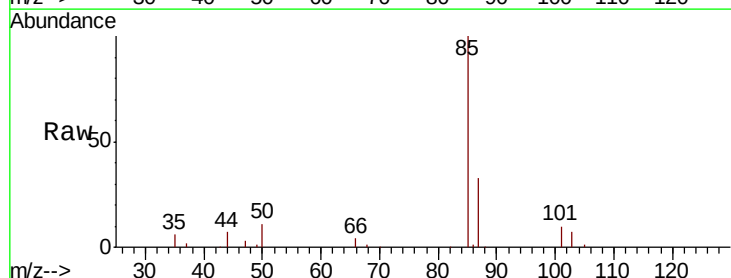
Acq: 30 Oct 2019 12:10

Tgt Ion: 85 Resp: 26312

Ion Ratio Lower Upper

85 100

87 32.5 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

30000

25000

20000

15000

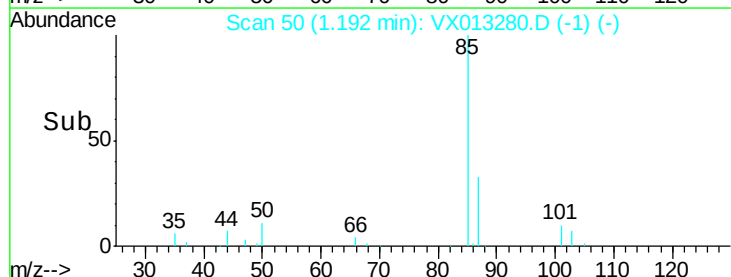
10000

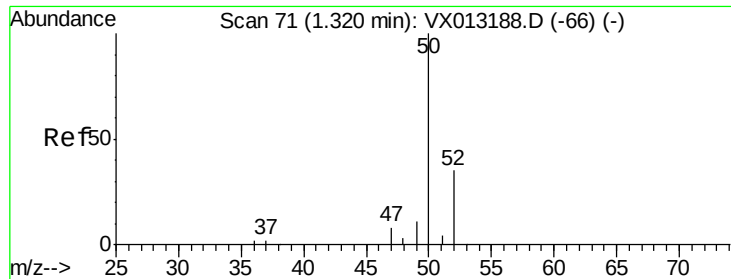
5000

0

Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 18.011 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

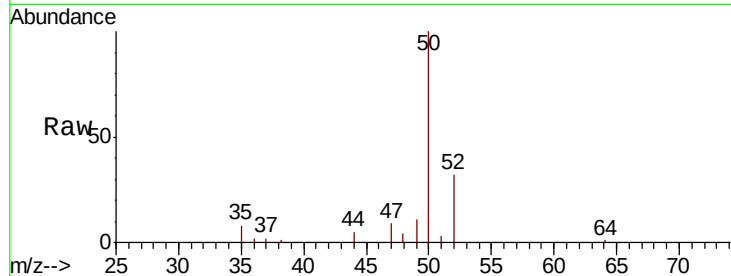
ClientSampleId :

Tot Ion: 50 Resp: 20860

Ion Ratio Lower Upper

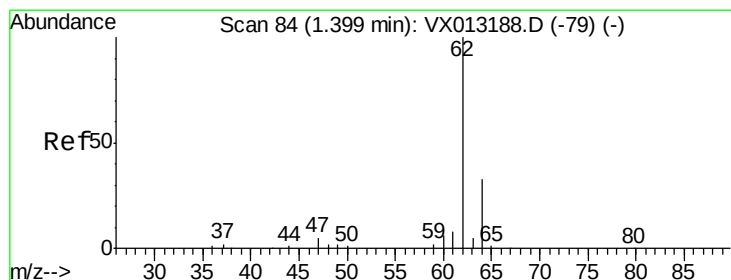
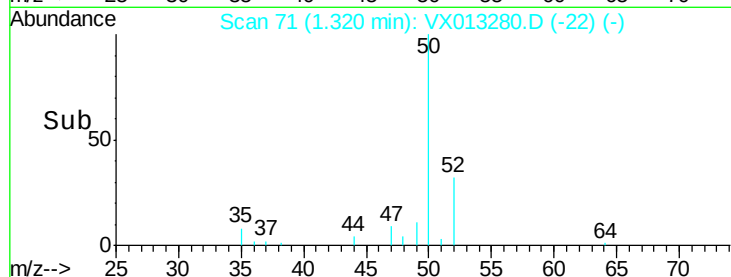
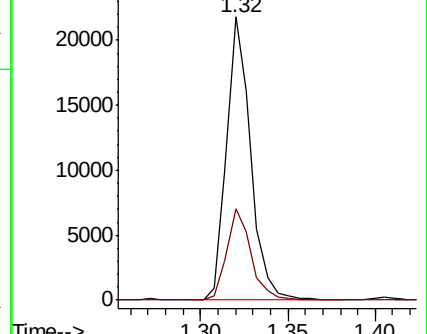
50 100

52 32.4 27.8 41.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 17.277 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013280.D

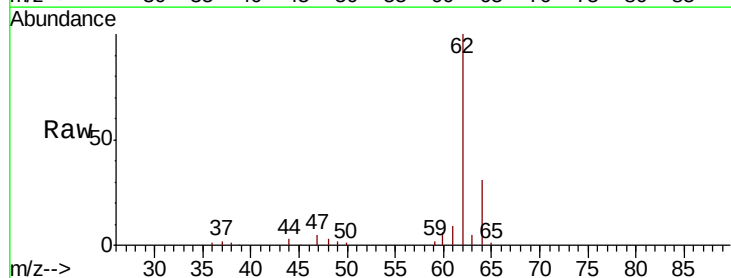
Acq: 30 Oct 2019 12:10

Tgt Ion: 62 Resp: 22670

Ion Ratio Lower Upper

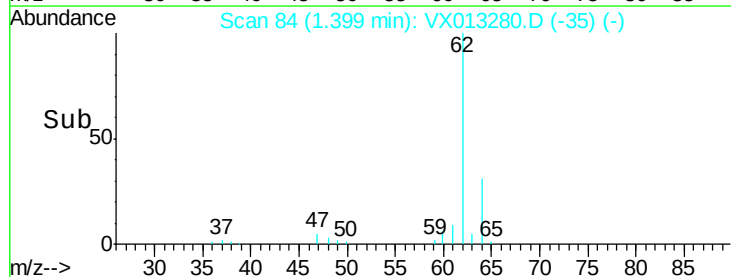
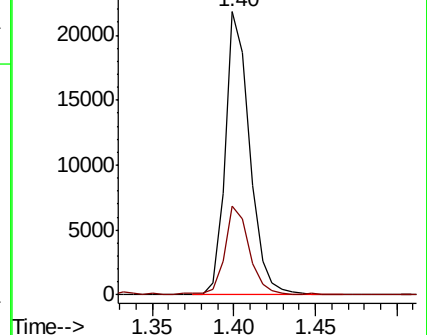
62 100

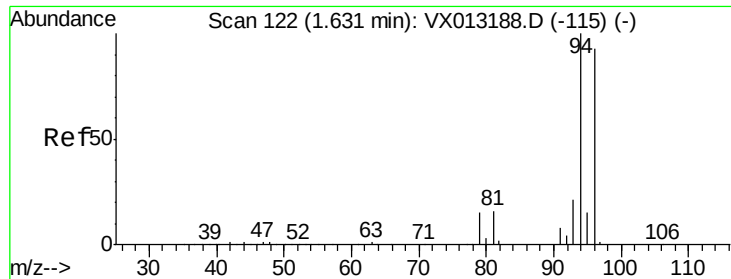
64 31.4 26.4 39.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 23.723 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

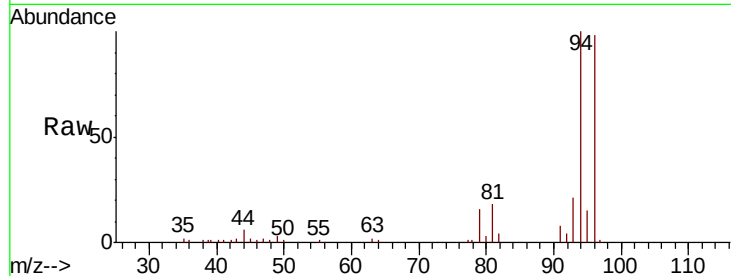
ClientSampleId :

Tot Ion: 94 Resp: 16499

Ion Ratio Lower Upper

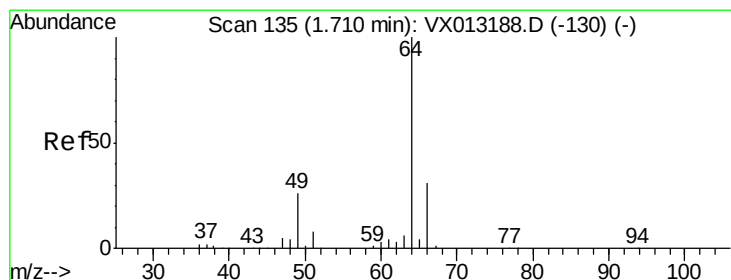
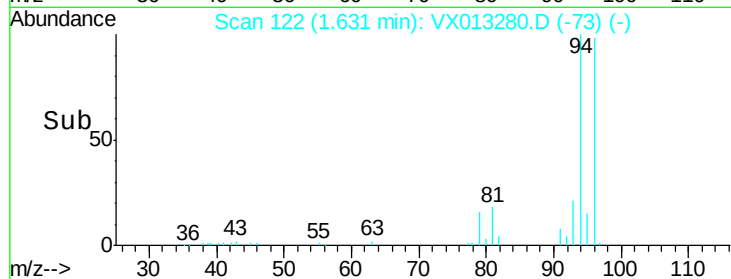
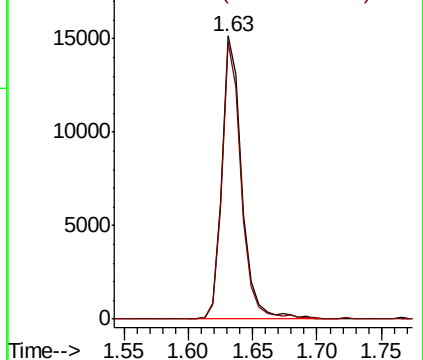
94 100

96 98.1 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 26.355 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX013280.D

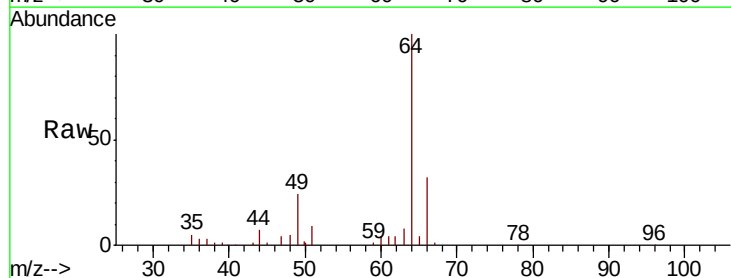
Acq: 30 Oct 2019 12:10

Tgt Ion: 64 Resp: 20241

Ion Ratio Lower Upper

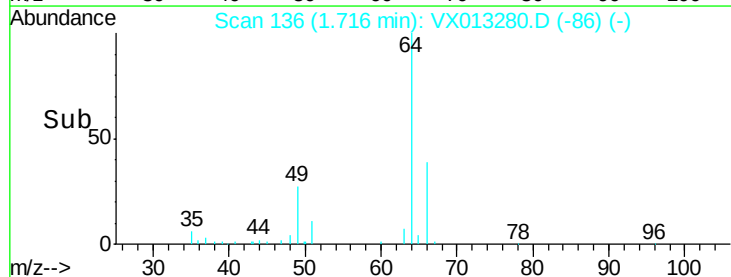
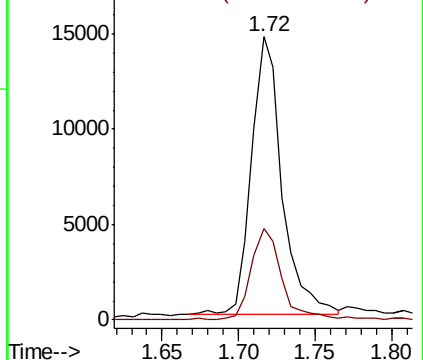
64 100

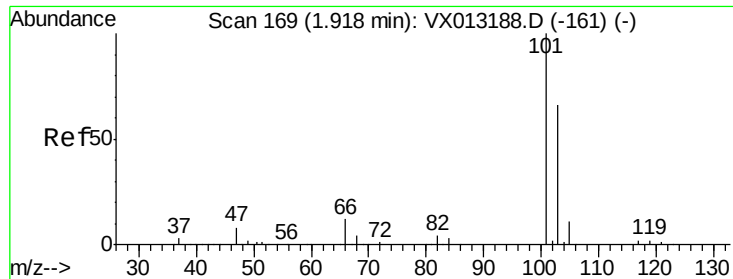
66 33.1 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



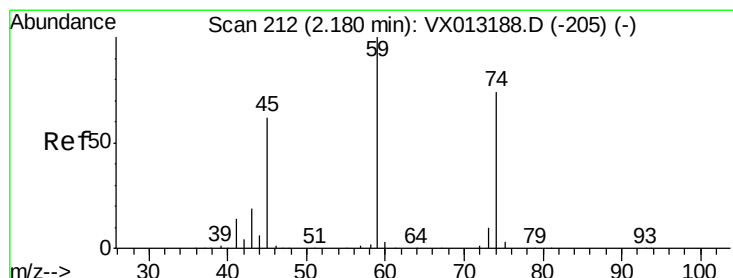
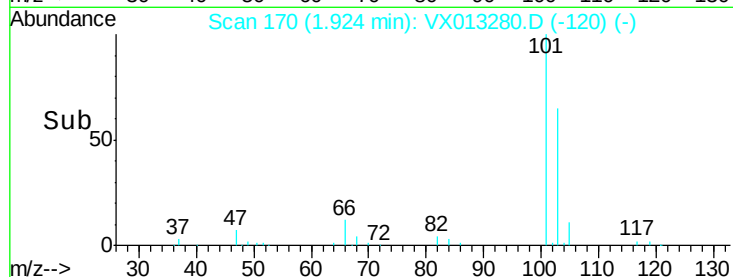
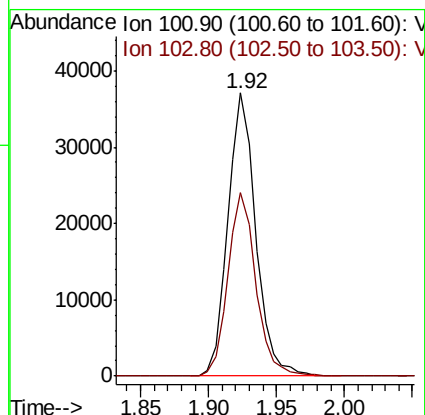
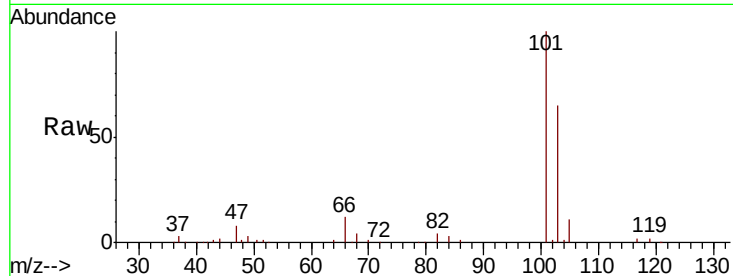


#7

Trichlorofluoromethane
Concen: 25.699 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Instrument :
MSVOA_X
ClientSampleId :

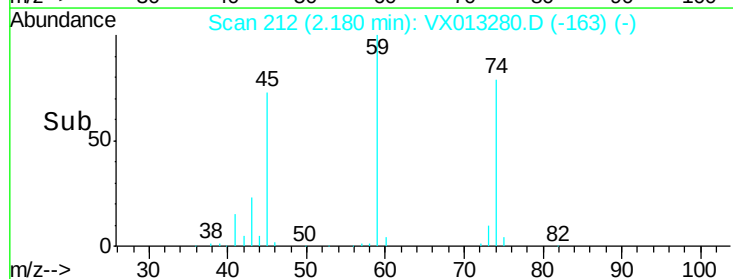
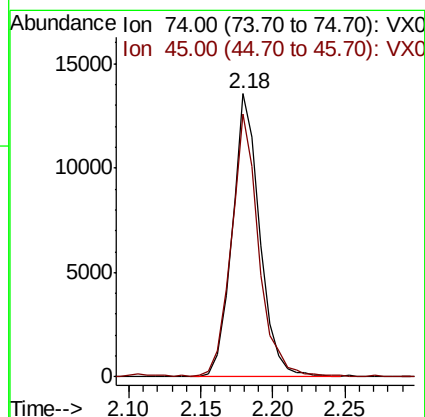
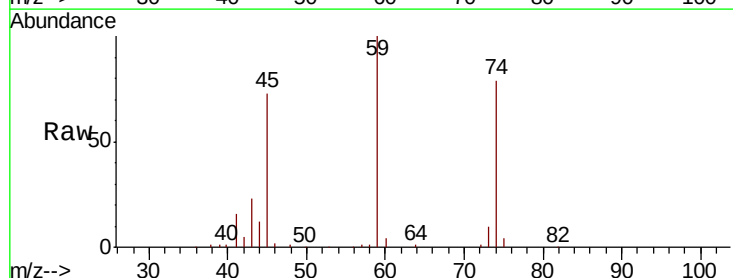
Tot Ion:101 Resp: 52908
Ion Ratio Lower Upper
101 100
103 64.6 53.0 79.6

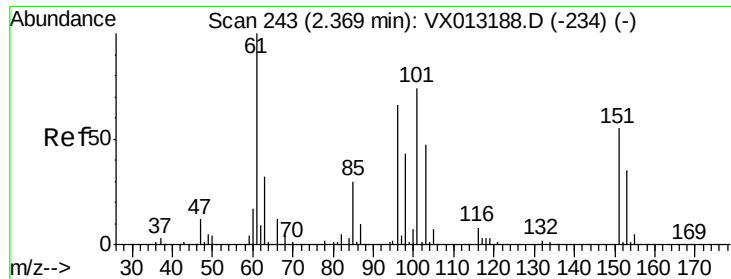


#8

Diethyl Ether
Concen: 25.532 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Tgt Ion: 74 Resp: 18131
Ion Ratio Lower Upper
74 100
45 93.3 44.8 134.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.331 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

ClientSampleId :

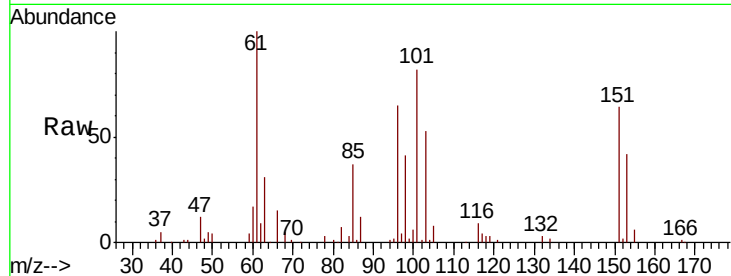
Tot Ion:101 Resp: 24788

Ion Ratio Lower Upper

101 100

85 42.5 34.0 51.0

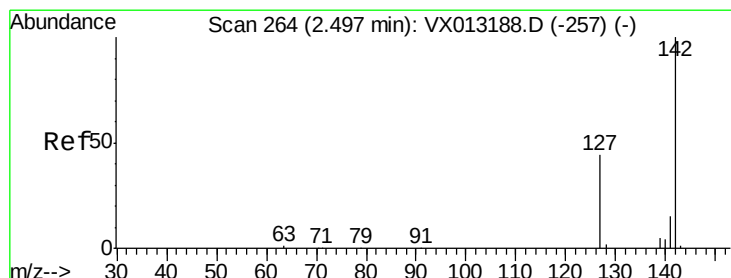
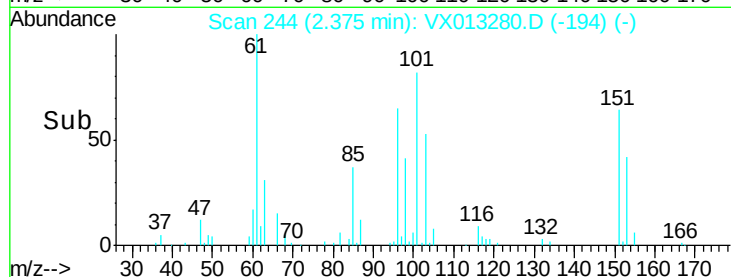
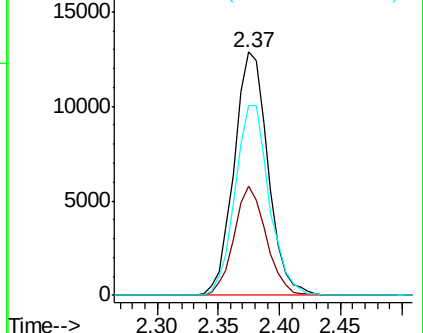
151 78.2 62.0 93.0



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: 17.633 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

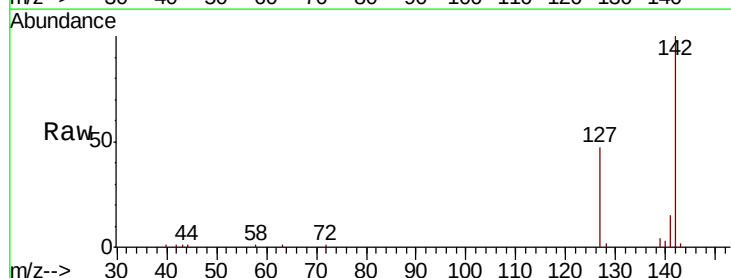
Tgt Ion:142 Resp: 24502

Ion Ratio Lower Upper

142 100

127 45.1 35.6 53.4

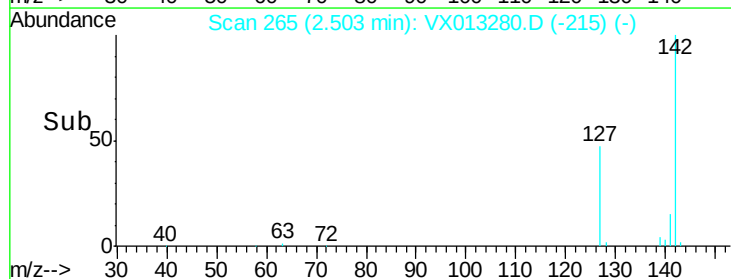
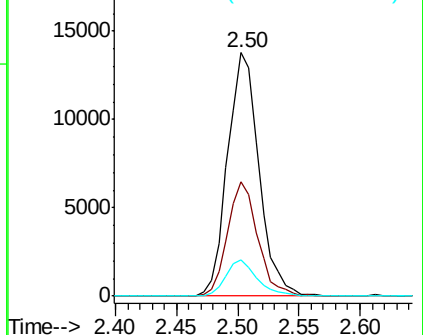
141 14.8 11.6 17.4

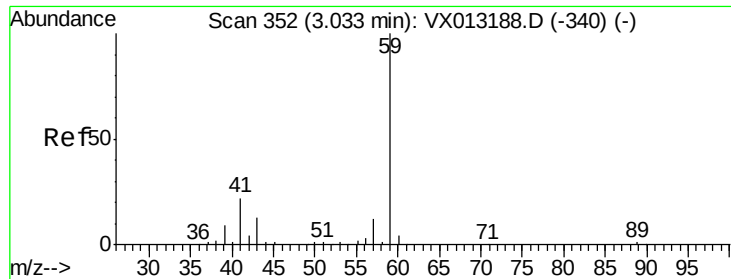


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

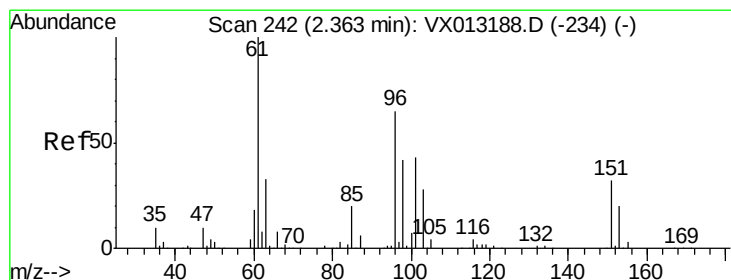
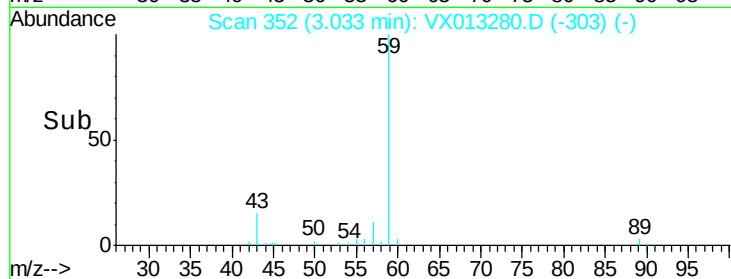
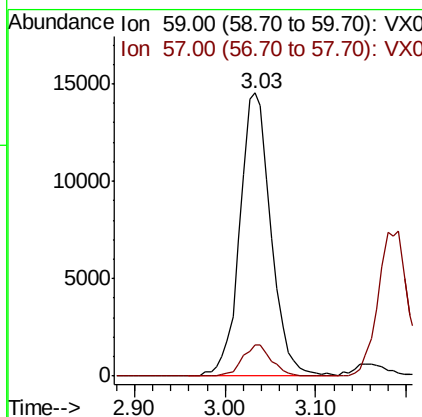
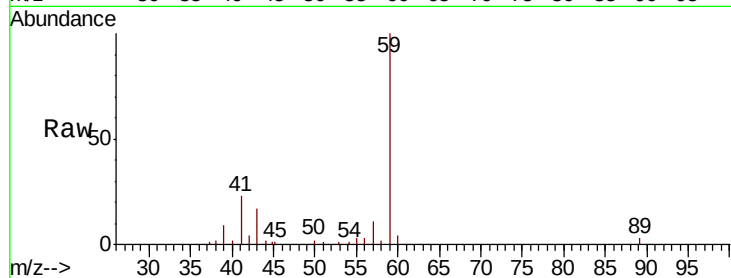




#11
Tert butyl alcohol
Concen: 104.626 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

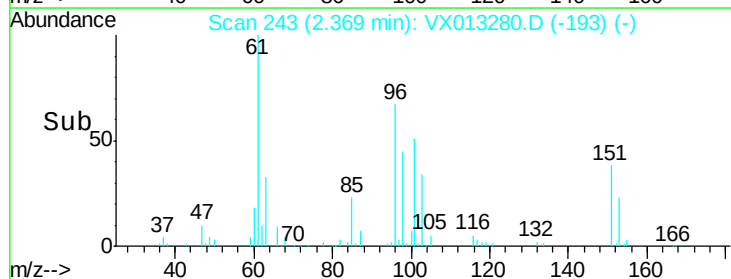
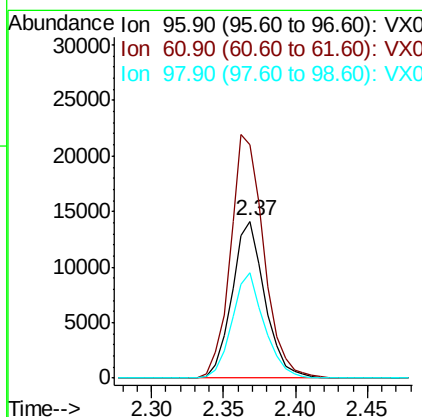
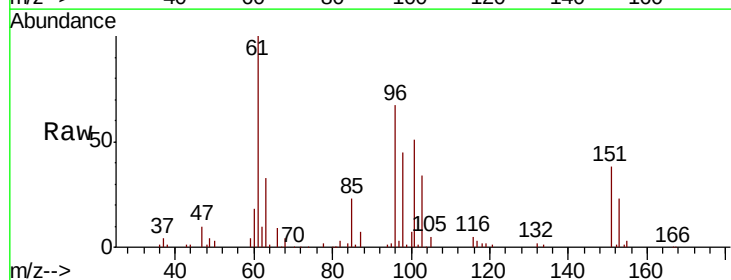
Instrument :
MSVOA_X
ClientSampleId :

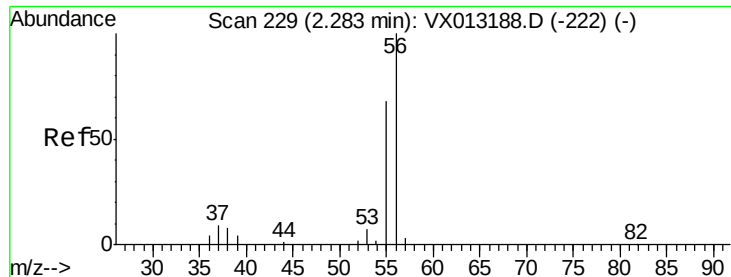
Tot Ion: 59 Resp: 34506
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.4



#12
1,1-Dichloroethene
Concen: 18.268 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.01 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Tgt Ion: 96 Resp: 22486
Ion Ratio Lower Upper
96 100
61 148.2 123.8 185.8
98 67.1 51.6 77.4





#13

Acrolein

Concen: 81.312 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

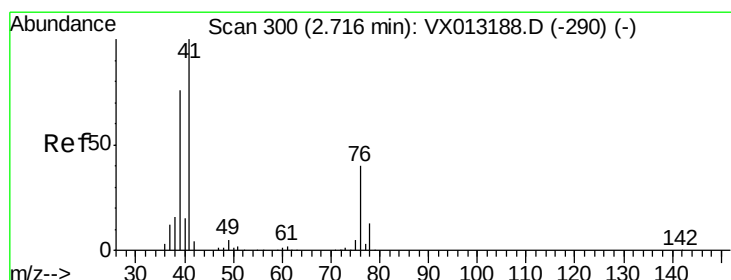
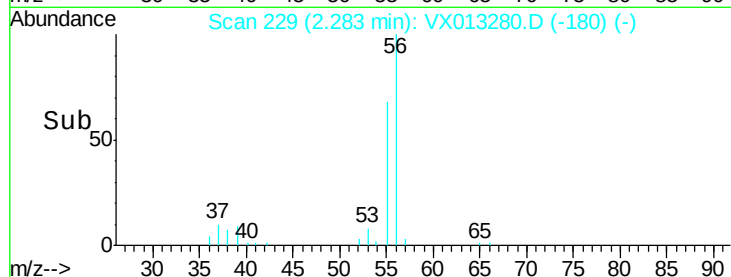
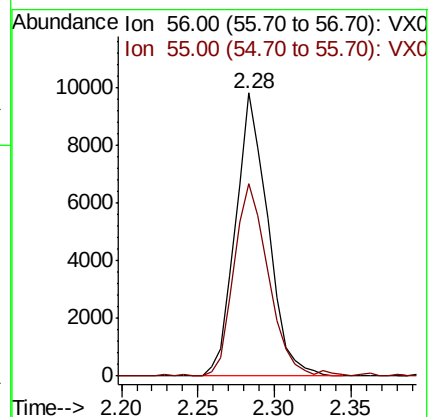
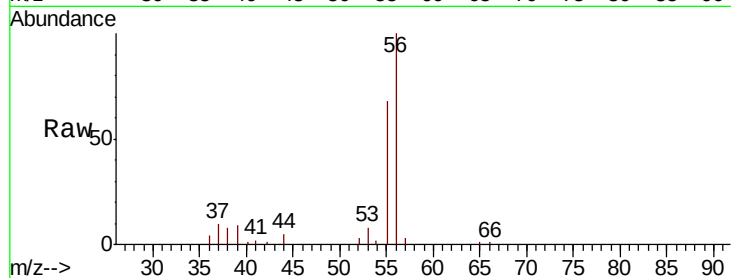
ClientSampled :

Tot Ion: 56 Resp: 14418

Ion Ratio Lower Upper

56 100

55 72.5 58.9 88.3



#14

Allyl chloride

Concen: 17.713 ug/l

RT: 2.72 min Scan# 301

Delta R.T. 0.01 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

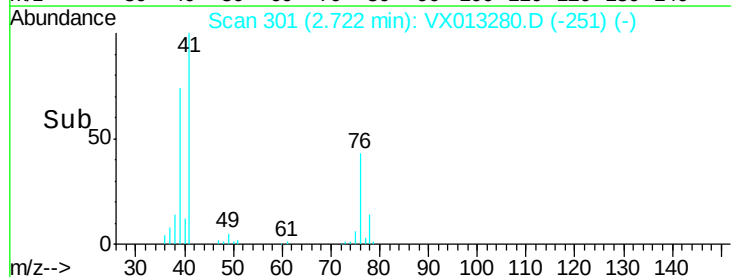
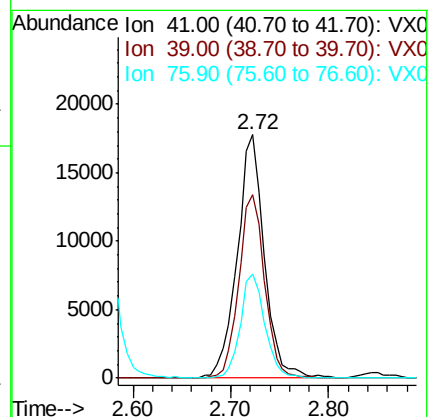
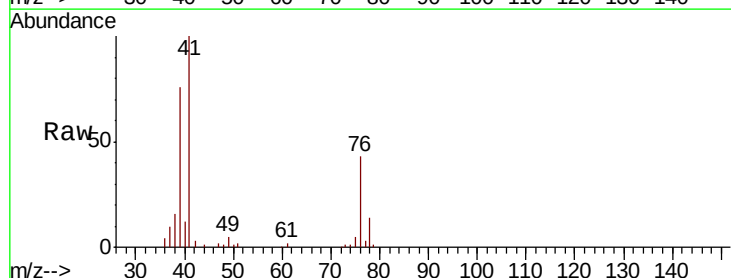
Tgt Ion: 41 Resp: 34326

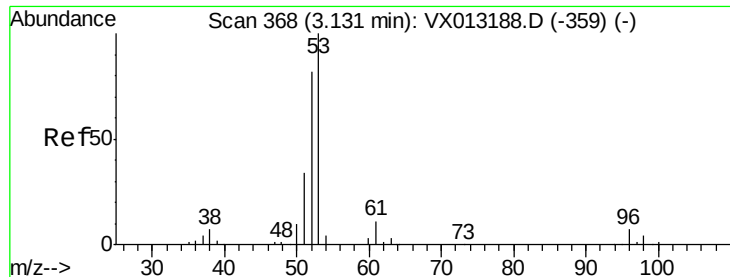
Ion Ratio Lower Upper

41 100

39 71.7 54.6 81.8

76 38.6 29.8 44.6

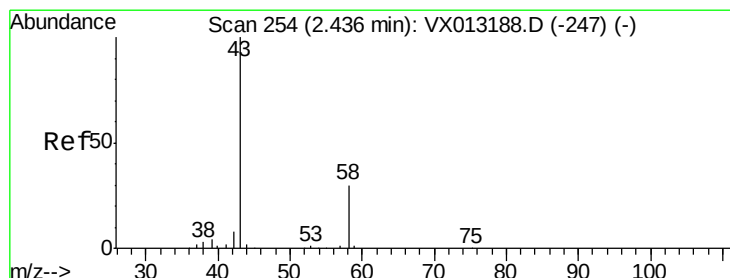
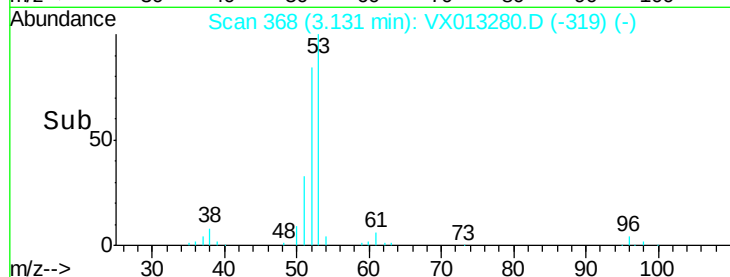
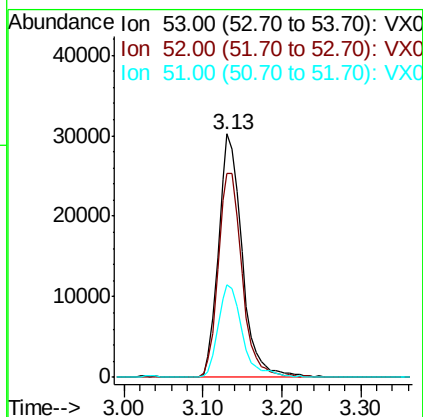
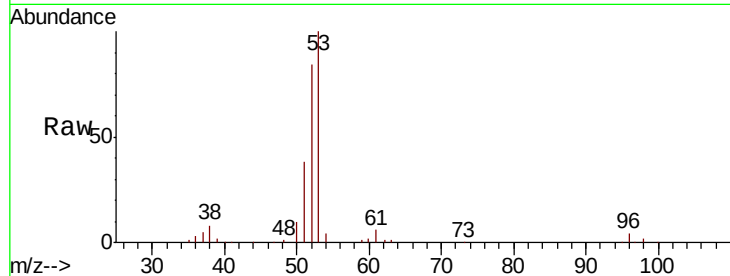




#15
 Acrylonitrile
 Concen: 94.622 ug/l
 RT: 3.13 min Scan# 368
 Delta R.T. -0.00 min
 Lab File: VX013280.D
 Acq: 30 Oct 2019 12:10

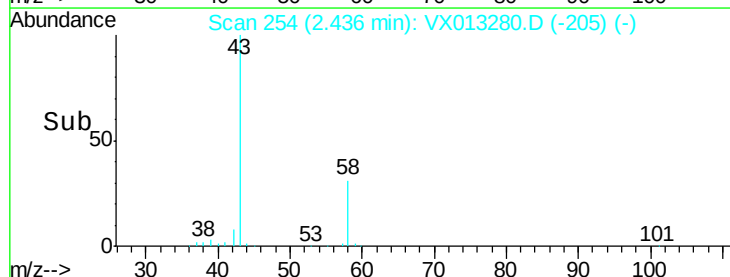
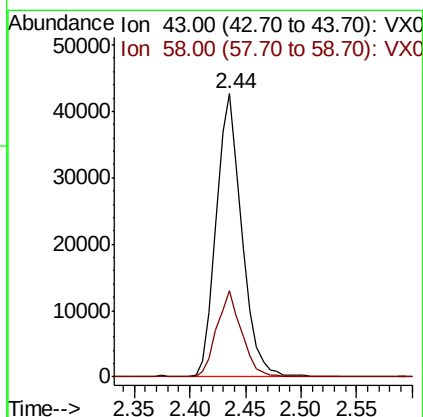
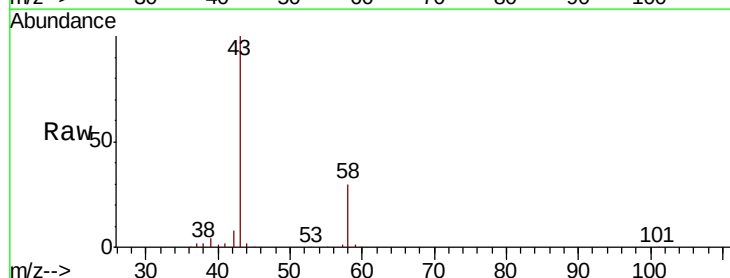
Instrument :
 MSVOA_X
 ClientSampled :

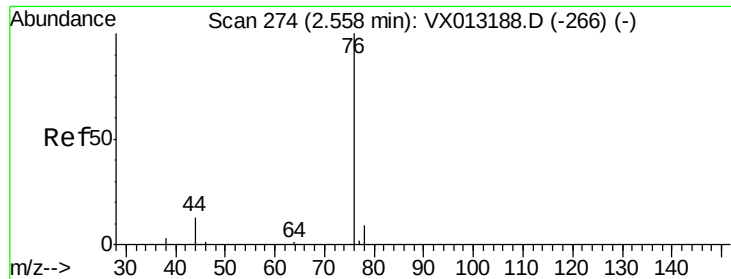
Tot Ion: 53 Resp: 63033
 Ion Ratio Lower Upper
 53 100
 52 84.6 66.4 99.6
 51 38.9 29.4 44.2



#16
 Acetone
 Concen: 95.640 ug/l
 RT: 2.44 min Scan# 254
 Delta R.T. -0.00 min
 Lab File: VX013280.D
 Acq: 30 Oct 2019 12:10

Tgt Ion: 43 Resp: 68097
 Ion Ratio Lower Upper
 43 100
 58 30.5 23.8 35.6

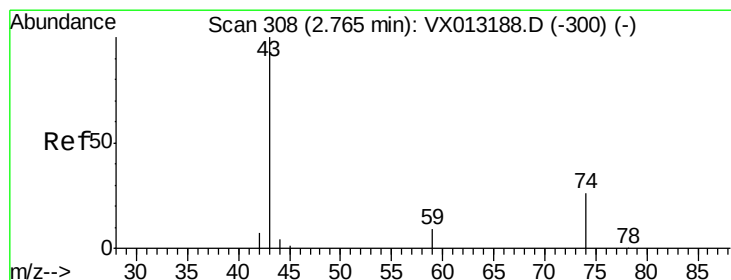
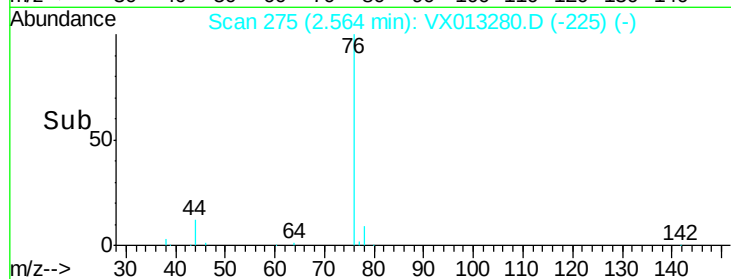
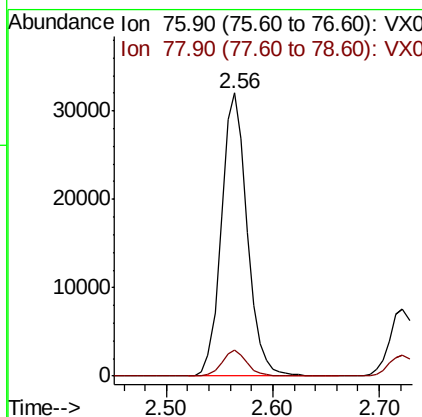
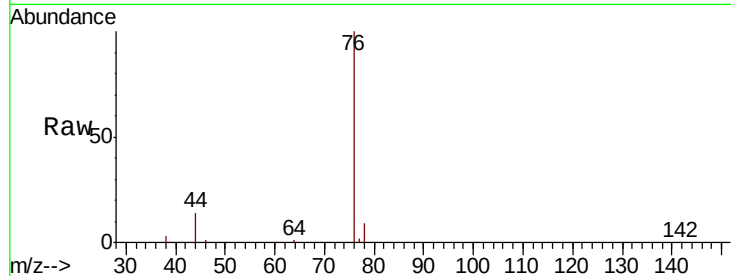




#17
Carbon Disulfide
Concen: 16.357 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

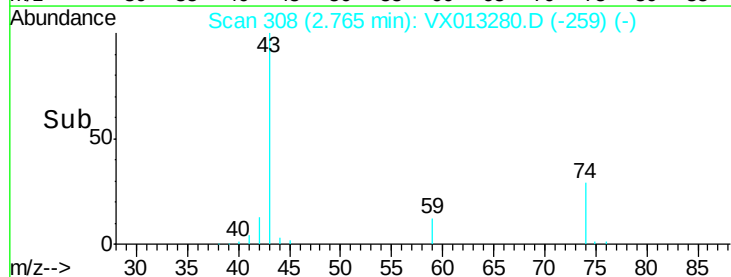
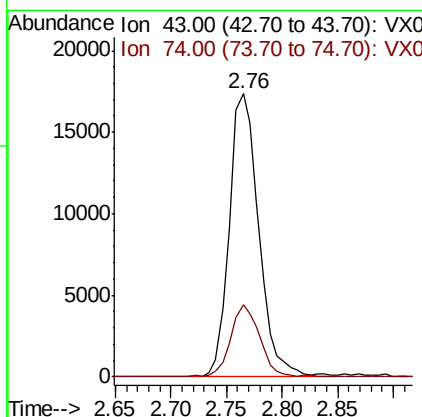
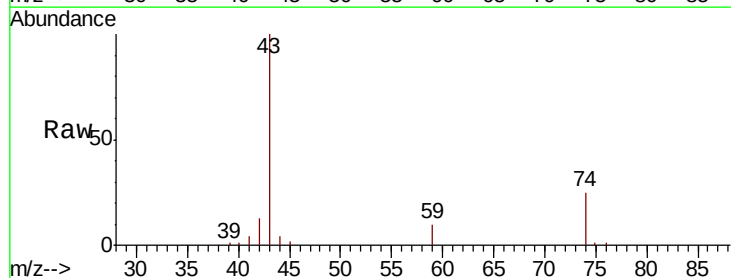
Instrument :
MSVOA_X
ClientSampleId :

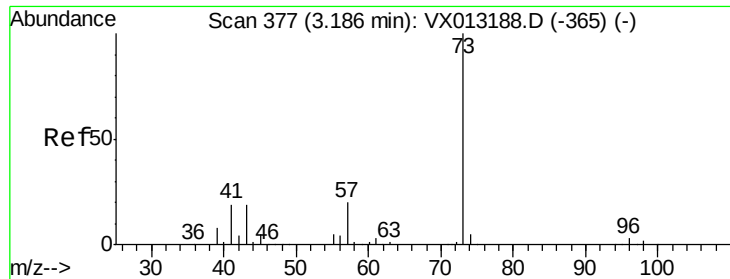
Tot Ion: 76 Resp: 54129
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2



#18
Methyl Acetate
Concen: 21.076 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Tgt Ion: 43 Resp: 31878
Ion Ratio Lower Upper
43 100
74 24.9 20.9 31.3

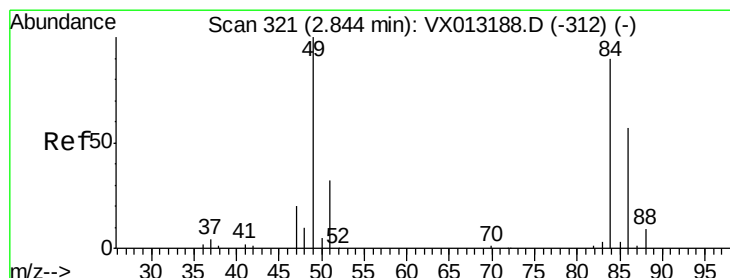
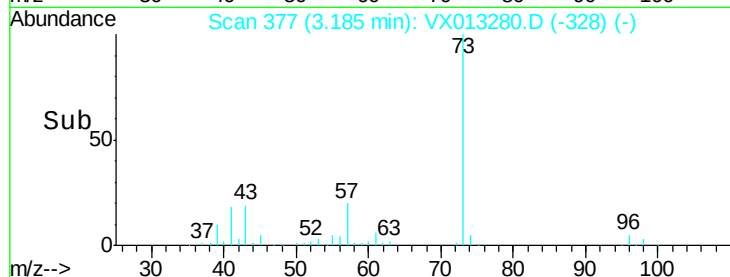
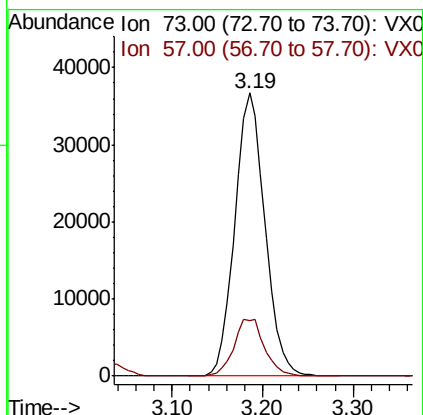
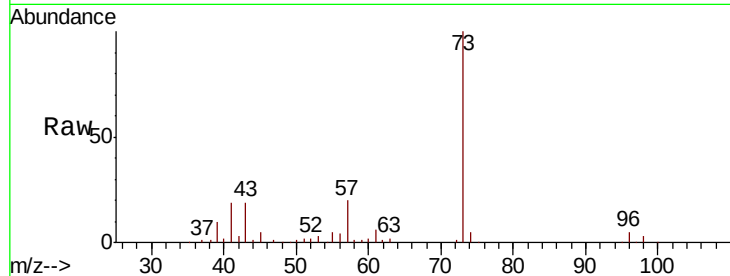




#19
Methyl tert-butyl Ether
Concen: 19.492 ug/l
RT: 3.19 min Scan# 377
Delta R.T. -0.00 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

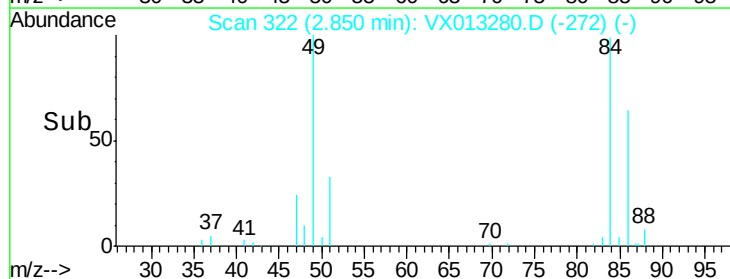
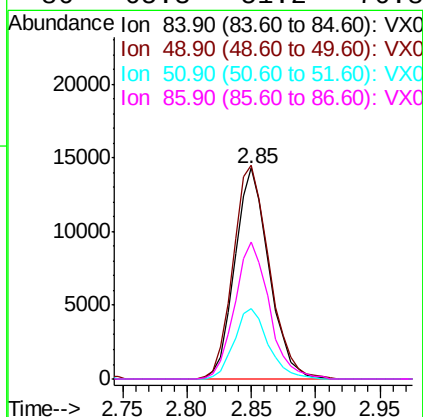
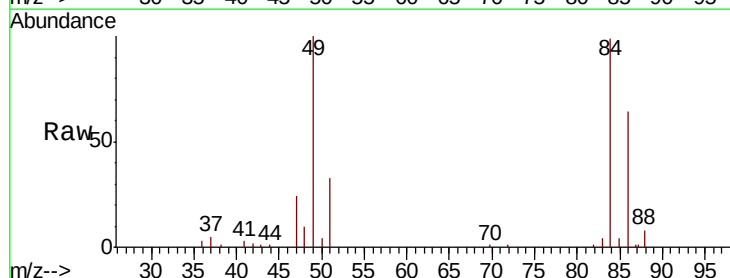
Instrument :
MSVOA_X
ClientSampleId :

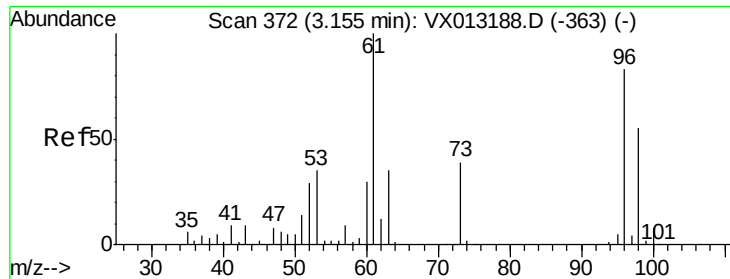
Tot Ion: 73 Resp: 84492
Ion Ratio Lower Upper
73 100
57 19.6 15.8 23.8



#20
Methylene Chloride
Concen: 19.945 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Tgt Ion: 84 Resp: 26324
Ion Ratio Lower Upper
84 100
49 101.4 89.2 133.8
51 33.5 28.8 43.2
86 65.3 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 19.748 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

ClientSampled :

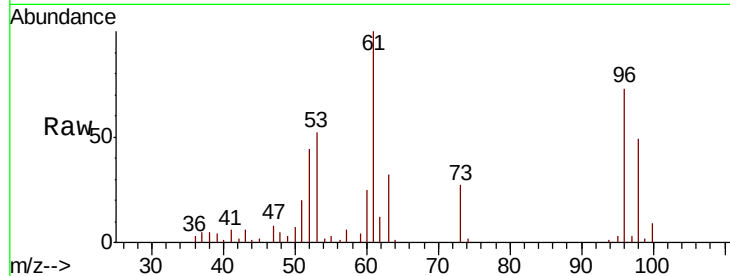
Tot Ion: 96 Resp: 24919

Ion Ratio Lower Upper

96 100

61 136.7 96.9 145.3

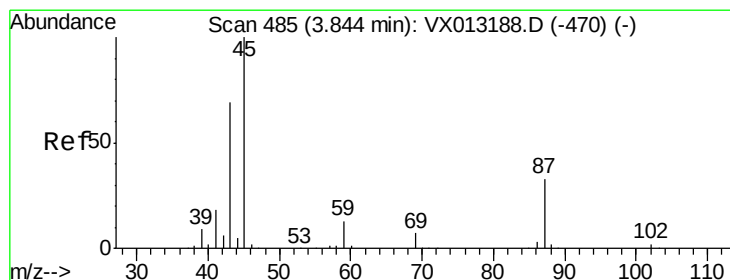
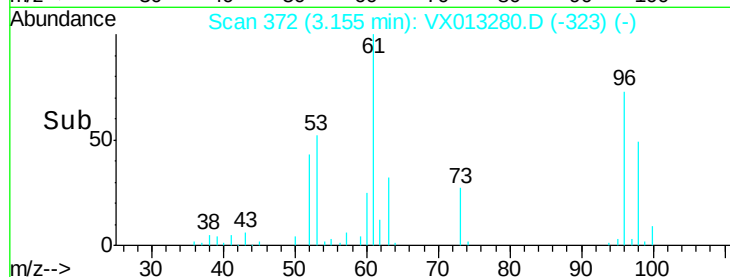
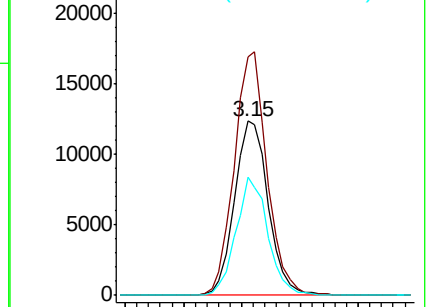
98 67.6 53.0 79.4



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



#22

Diisopropyl ether

Concen: 18.808 ug/l

RT: 3.85 min Scan# 486

Delta R.T. 0.01 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Tgt Ion: 45 Resp: 71265

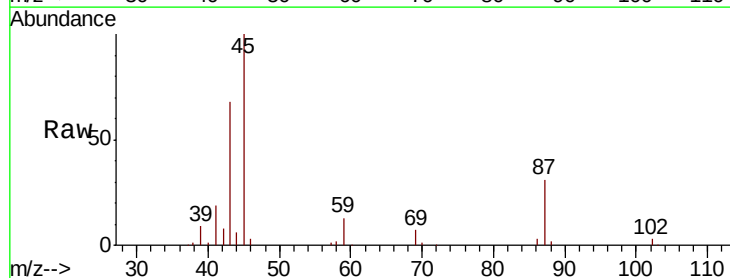
Ion Ratio Lower Upper

45 100

43 67.0 55.5 83.3

87 31.3 26.7 40.1

59 12.9 10.2 15.2

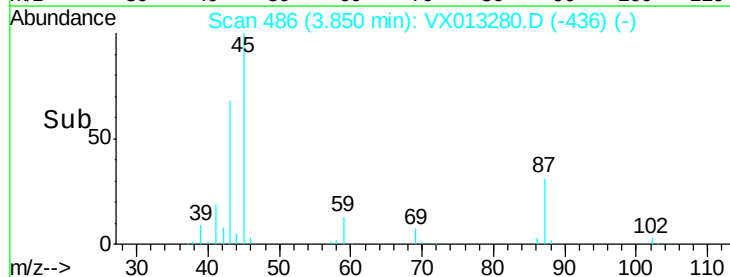
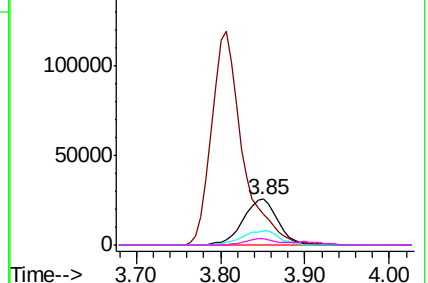


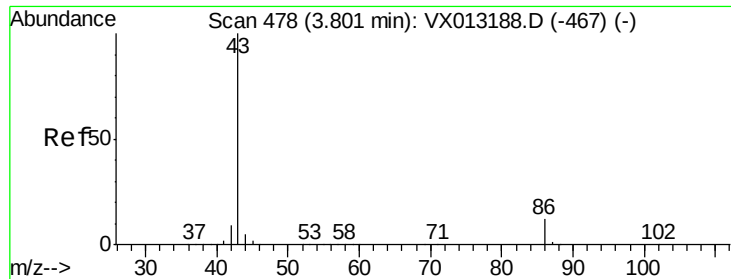
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 94.523 ug/l

RT: 3.81 min Scan# 479

Delta R.T. 0.01 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

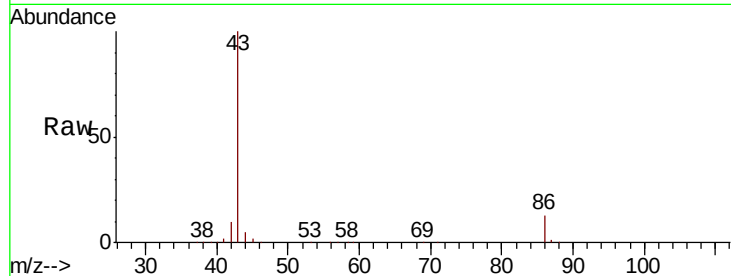
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 304416

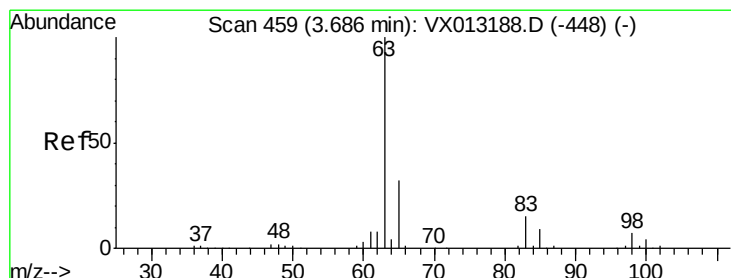
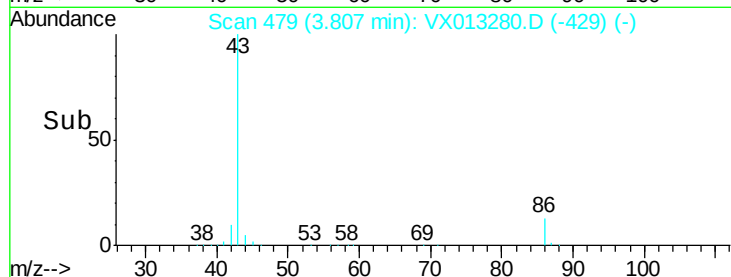
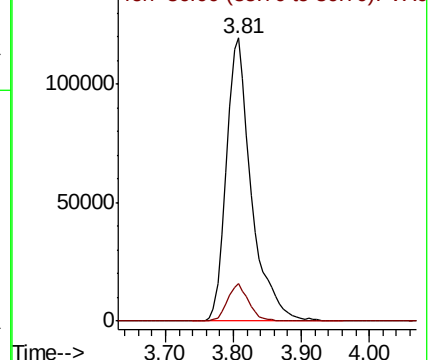
Ion Ratio Lower Upper

43 100

86 13.3 9.7 14.5



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 19.123 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

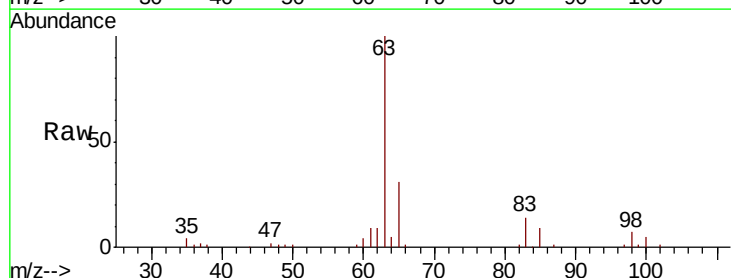
Tgt Ion: 63 Resp: 44569

Ion Ratio Lower Upper

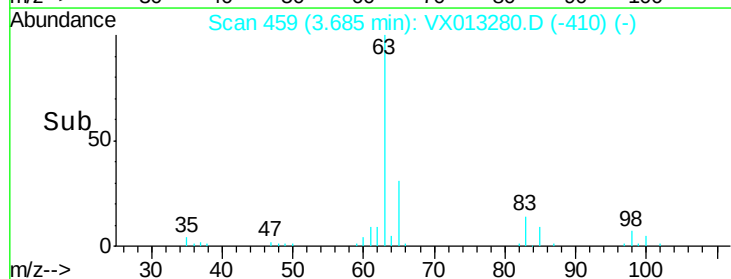
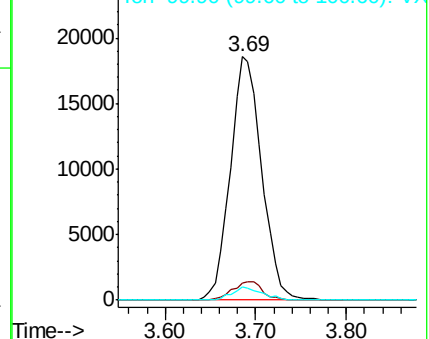
63 100

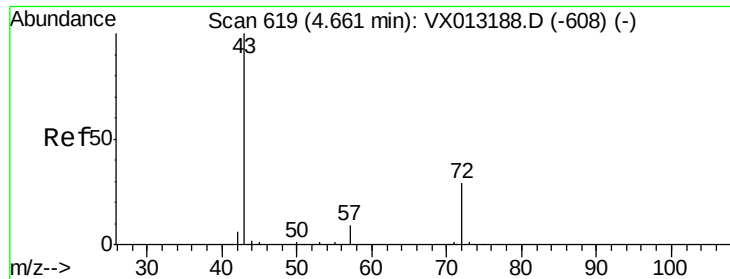
98 7.2 3.8 11.2

100 5.5 2.2 6.6



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





#25

2-Butanone

Concen: 94.316 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

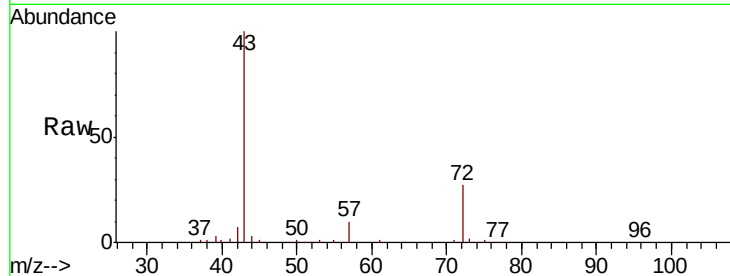
ClientSampled :

Tot Ion: 43 Resp: 90060

Ion Ratio Lower Upper

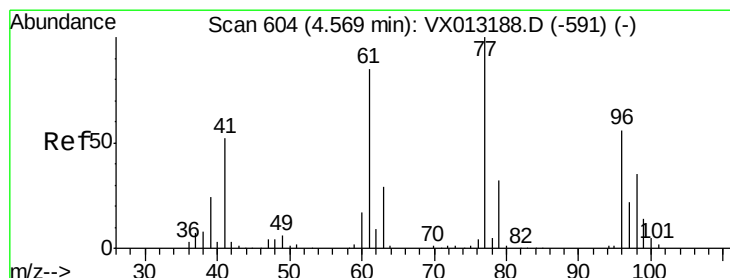
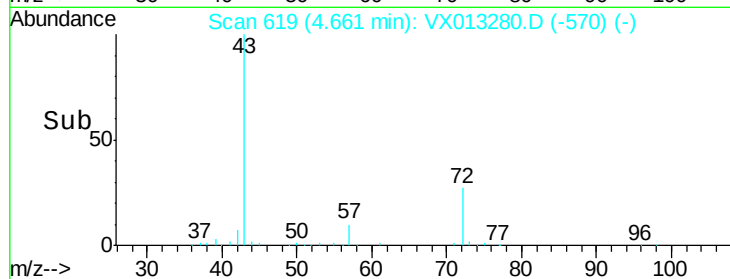
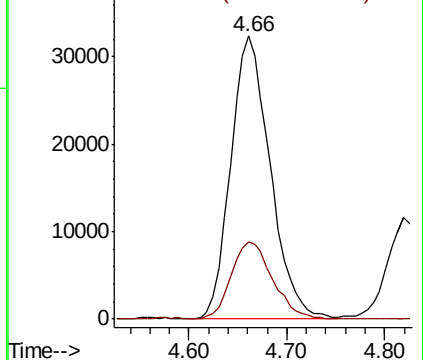
43 100

72 27.2 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 19.294 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX013280.D

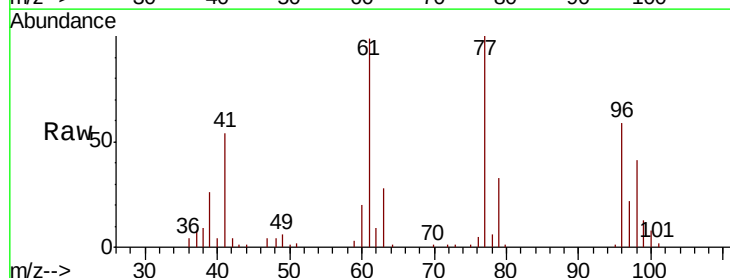
Acq: 30 Oct 2019 12:10

Tgt Ion: 77 Resp: 41558

Ion Ratio Lower Upper

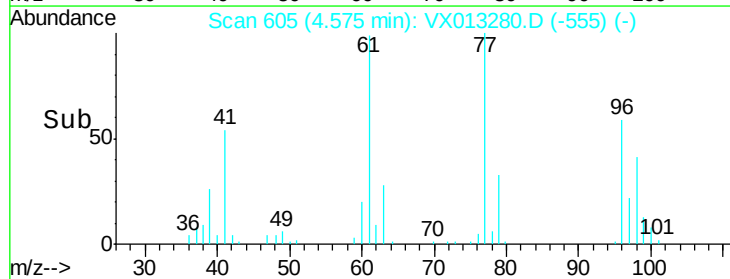
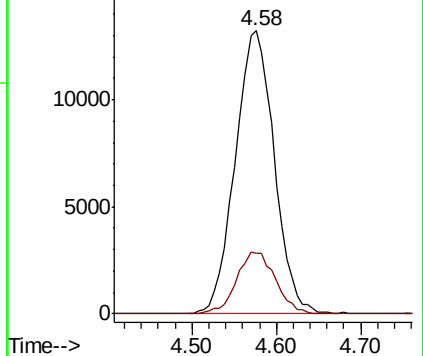
77 100

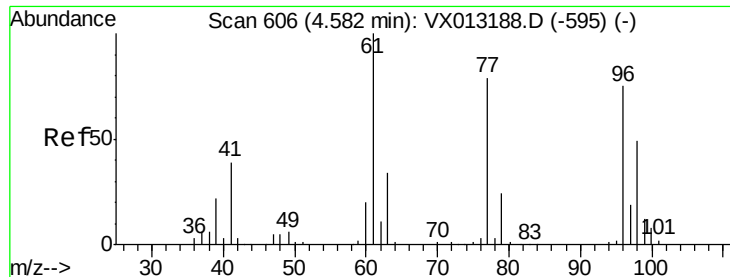
97 21.9 10.9 32.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



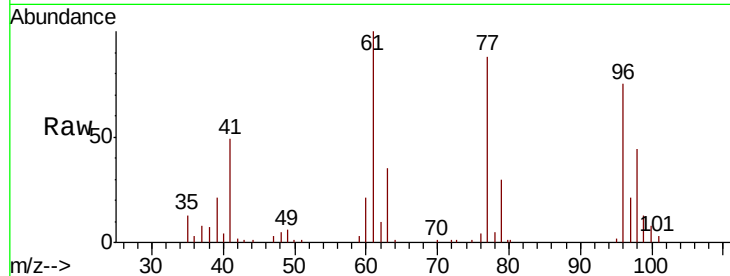


#27

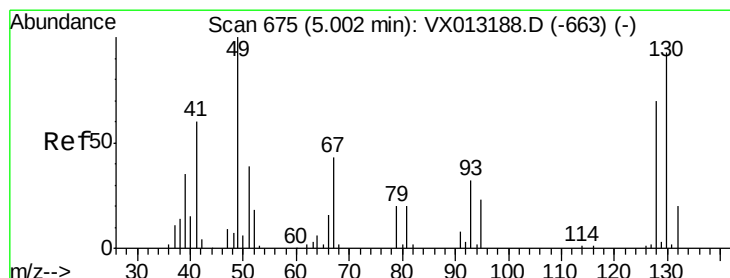
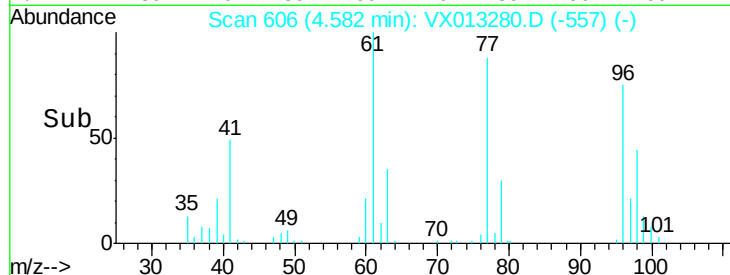
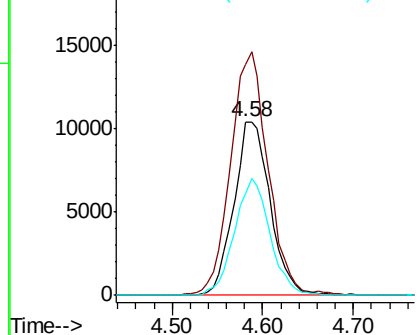
cis-1,2-Dichloroethene
Concen: 19.102 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 96 Resp: 28796
Ion Ratio Lower Upper
96 100
61 144.8 0.0 290.4
98 66.0 0.0 130.4



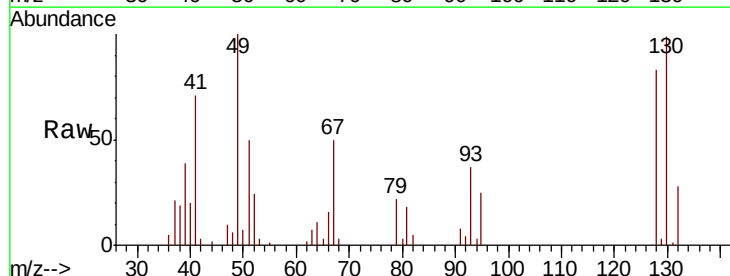
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



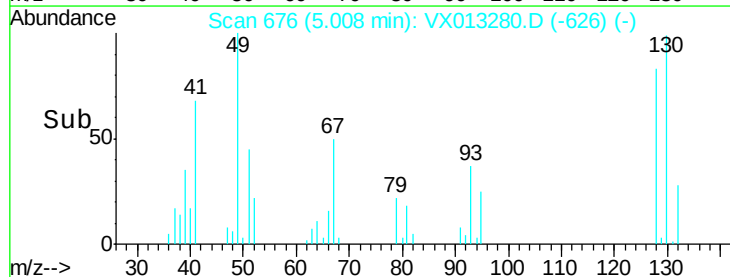
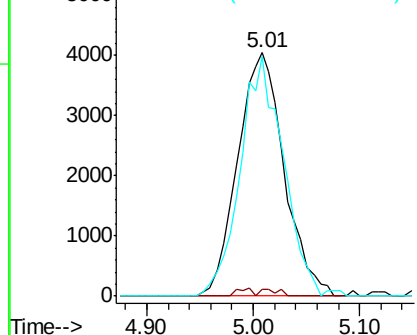
#28

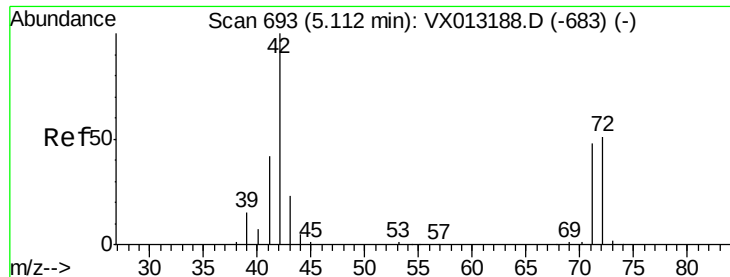
Bromochloromethane
Concen: 20.569 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Tgt Ion: 49 Resp: 12361
Ion Ratio Lower Upper
49 100
129 1.1 0.0 4.8
130 91.3 71.8 107.8



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: 91.414 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.01 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

ClientSampleId :

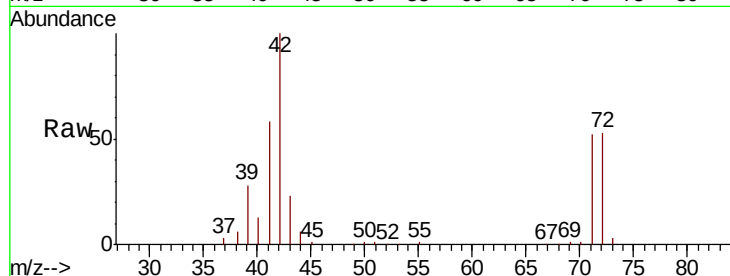
Tot Ion: 42 Resp: 52615

Ion Ratio Lower Upper

42 100

72 52.7 40.9 61.3

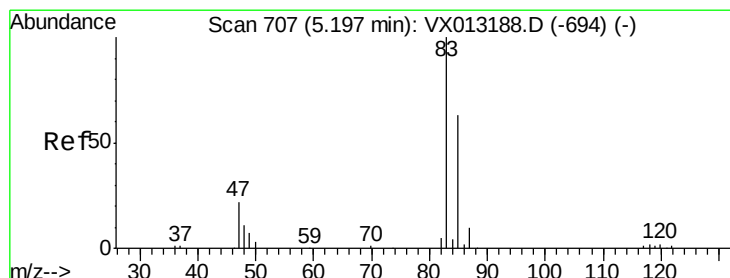
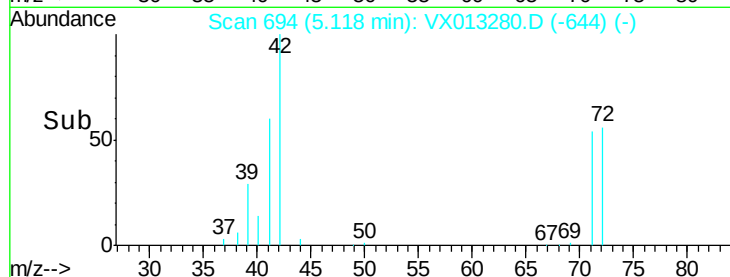
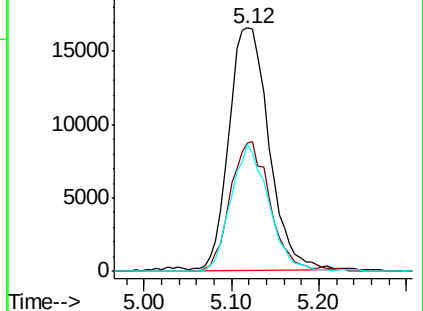
71 49.2 38.6 57.8



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: 19.933 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.00 min

Lab File: VX013280.D

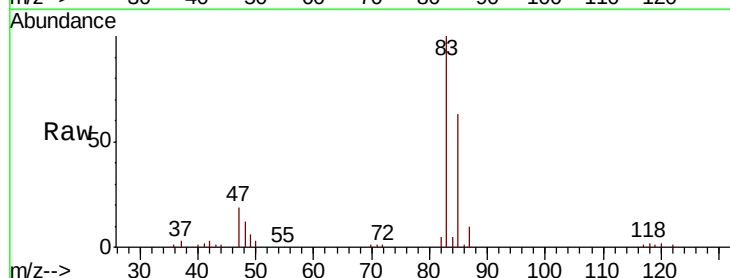
Acq: 30 Oct 2019 12:10

Tgt Ion: 83 Resp: 49462

Ion Ratio Lower Upper

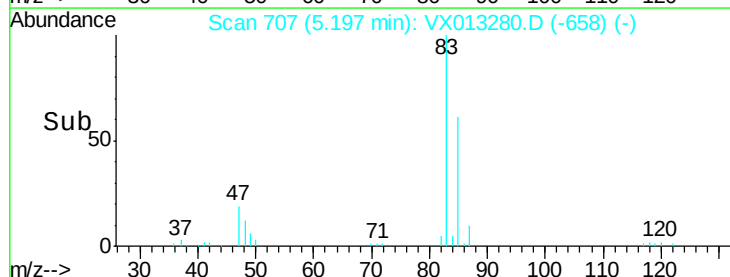
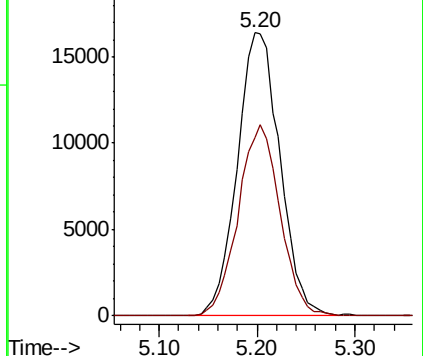
83 100

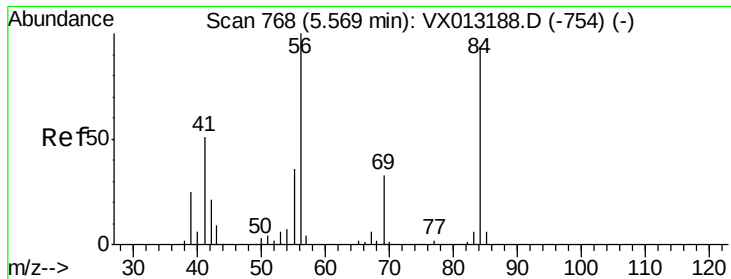
85 63.2 50.1 75.1



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

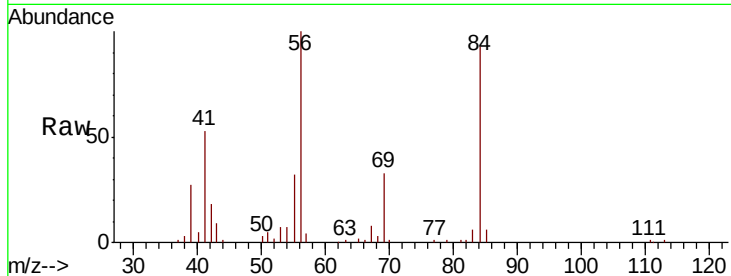




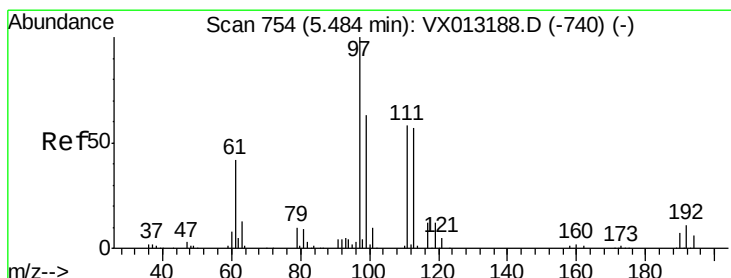
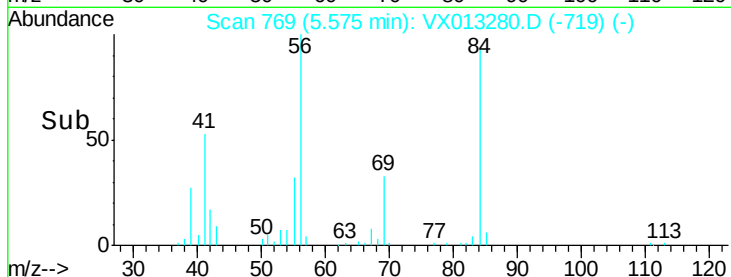
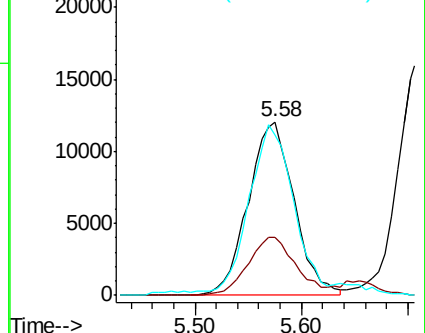
#31
Cyclohexane
Concen: 18.609 ug/l
RT: 5.58 min Scan# 769
Delta R.T. 0.01 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 36371
Ion Ratio Lower Upper
56 100
69 33.5 26.3 39.5
84 90.7 73.8 110.6

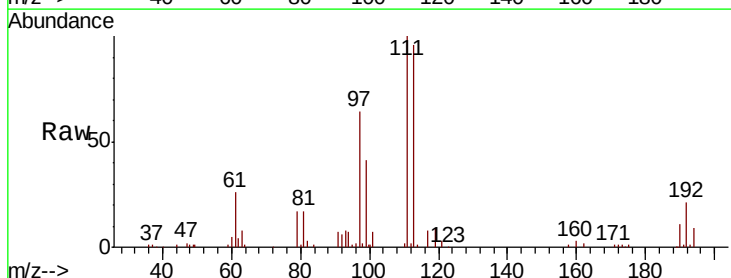


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

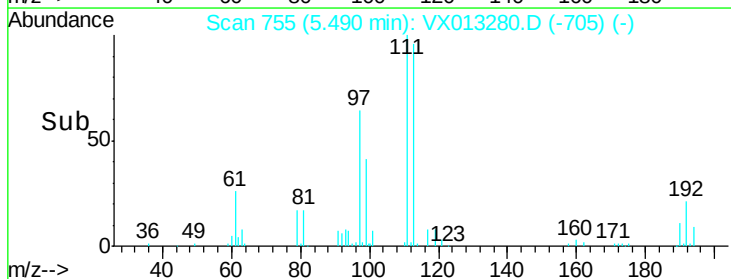
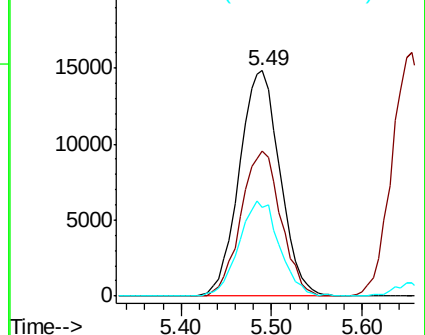


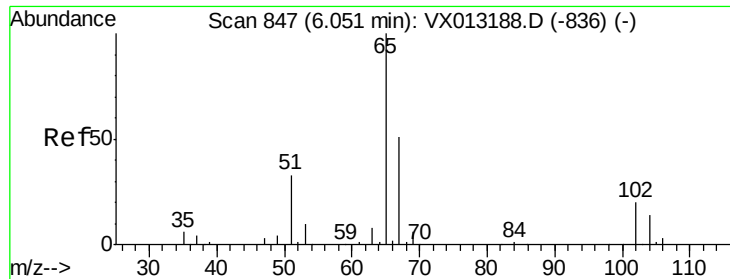
#32
1,1,1-Trichloroethane
Concen: 20.871 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.01 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Tgt Ion: 97 Resp: 46049
Ion Ratio Lower Upper
97 100
99 63.2 50.8 76.2
61 41.9 32.8 49.2



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

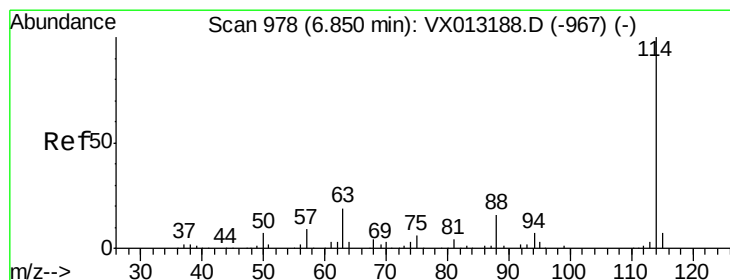
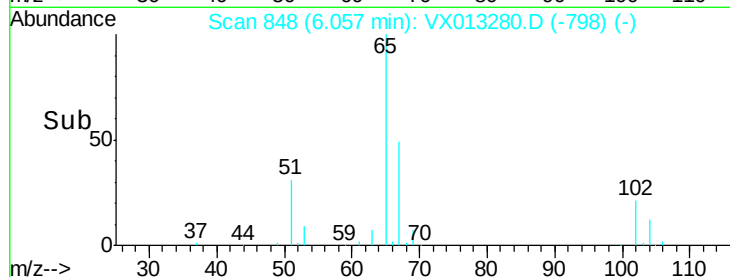
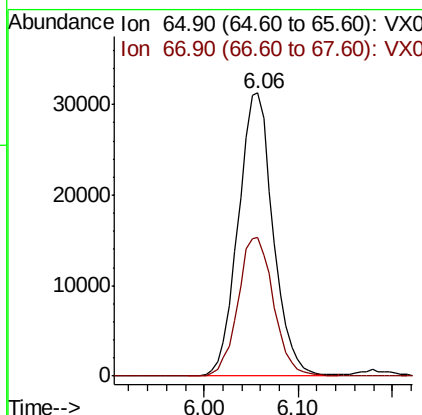
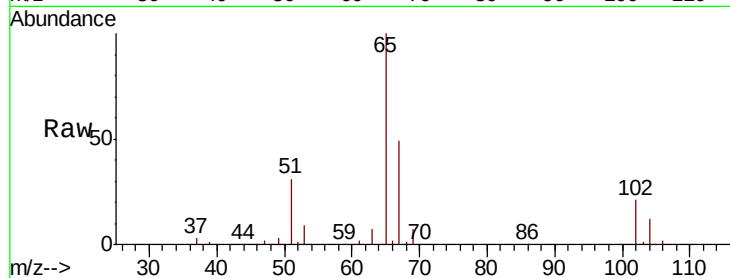




#33
 1,2-Dichloroethane-d4
 Concen: 53.696 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX013280.D
 Acq: 30 Oct 2019 12:10

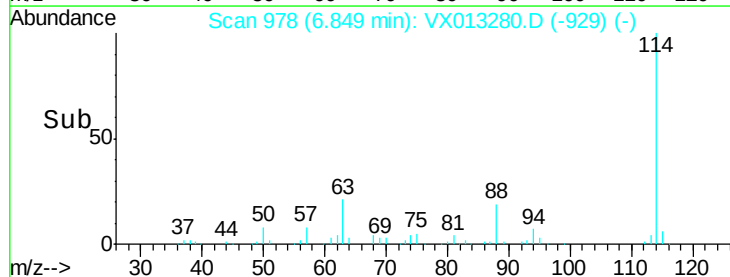
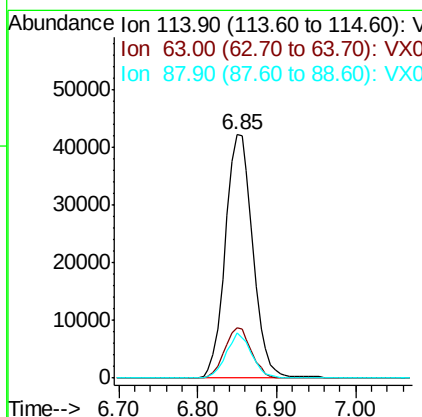
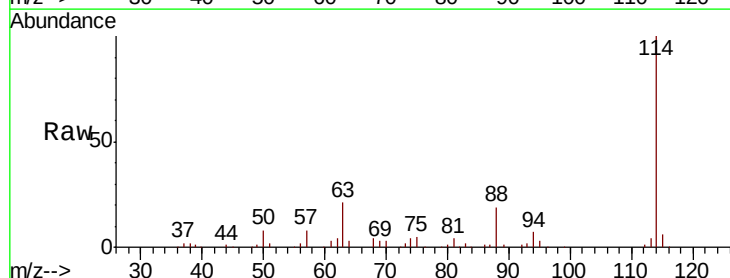
Instrument :
 MSVOA_X
 ClientSampleId :

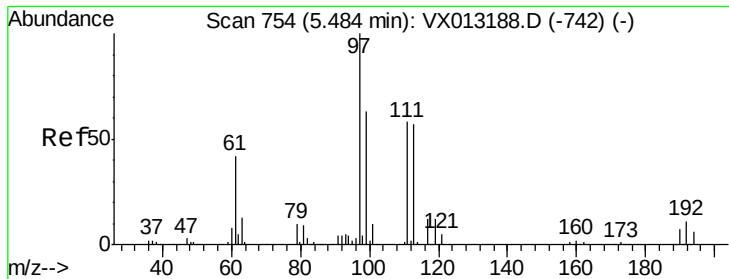
Tot Ion: 65 Resp: 81151
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013280.D
 Acq: 30 Oct 2019 12:10

Tgt Ion: 114 Resp: 102467
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 39.0
 88 18.7 0.0 32.0

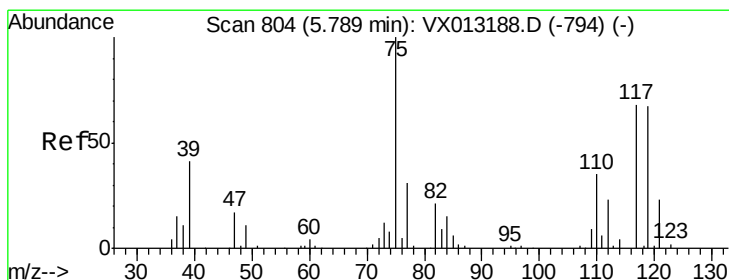
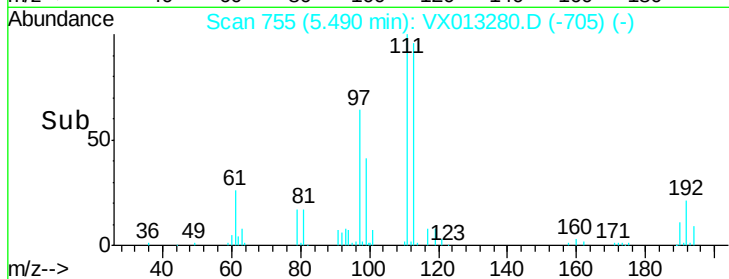
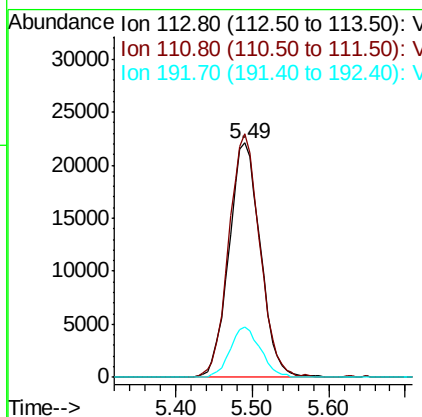
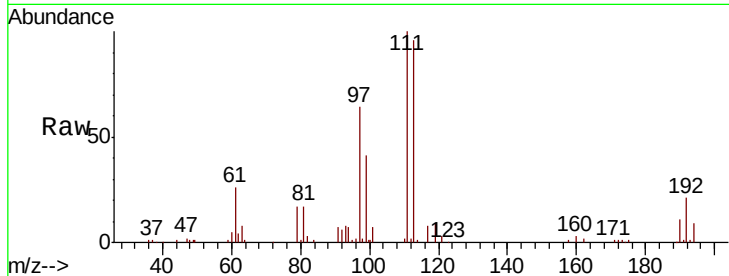




#35
 Dibromofluoromethane
 Concen: 55.032 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.01 min
 Lab File: VX013280.D
 Acq: 30 Oct 2019 12:10

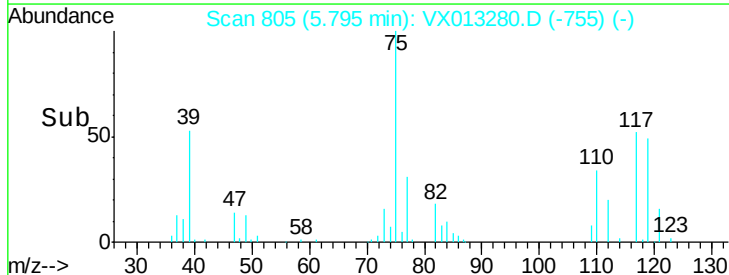
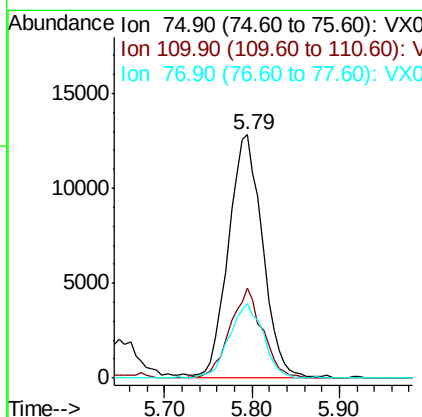
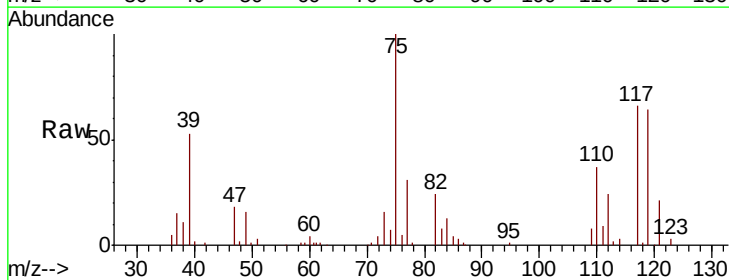
Instrument :
 MSVOA_X
 ClientSampleId :

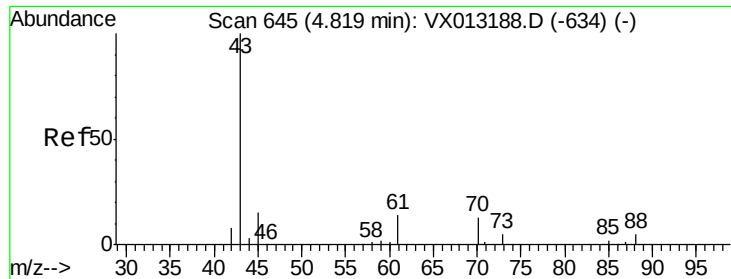
Tot Ion:113 Resp: 62882
 Ion Ratio Lower Upper
 113 100
 111 102.7 80.3 120.5
 192 21.0 15.9 23.9



#36
 1,1-Dichloropropene
 Concen: 20.311 ug/l
 RT: 5.79 min Scan# 805
 Delta R.T. 0.01 min
 Lab File: VX013280.D
 Acq: 30 Oct 2019 12:10

Tgt Ion: 75 Resp: 34917
 Ion Ratio Lower Upper
 75 100
 110 35.1 17.6 52.9
 77 30.3 24.7 37.1

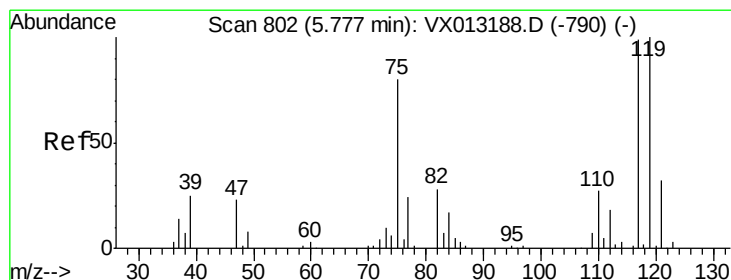
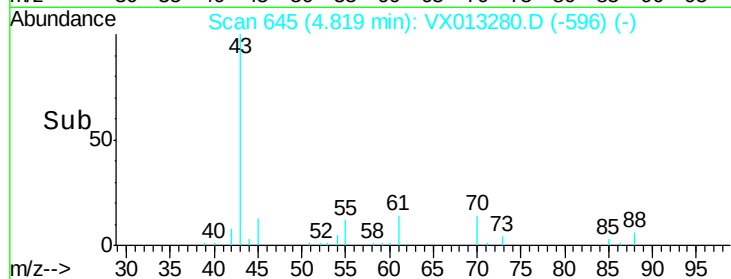
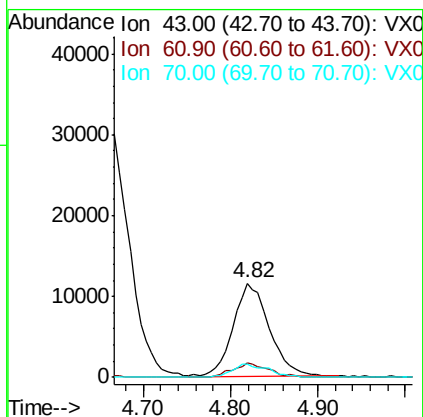
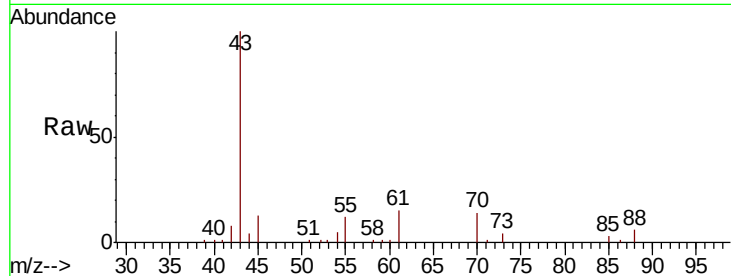




#37
Ethyl Acetate
Concen: 19.315 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

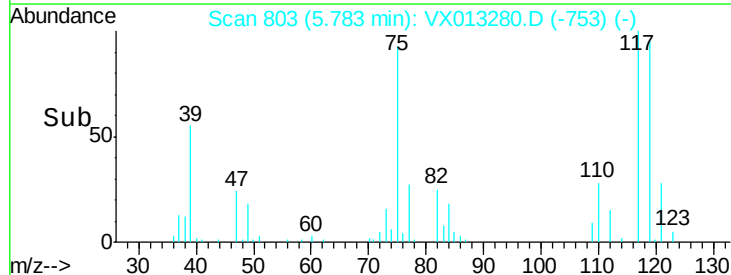
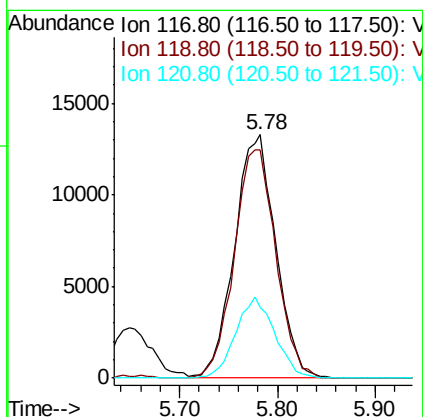
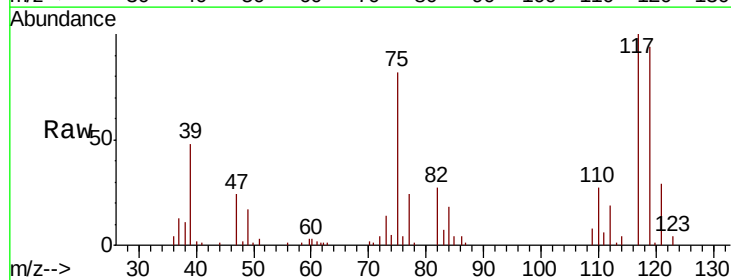
Instrument :
MSVOA_X
ClientSampleId :

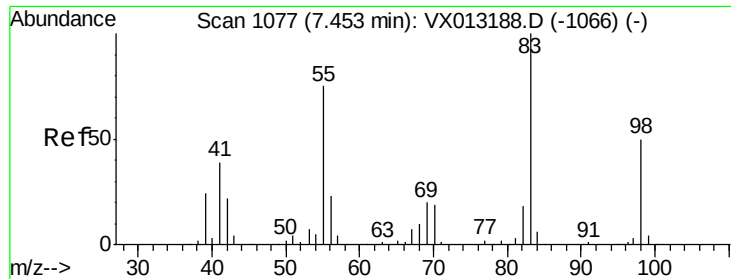
Tot Ion: 43 Resp: 32981
Ion Ratio Lower Upper
43 100
61 14.8 12.1 18.1
70 14.1 10.4 15.6



#38
Carbon Tetrachloride
Concen: 20.474 ug/l
RT: 5.78 min Scan# 803
Delta R.T. 0.01 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Tgt Ion: 117 Resp: 38778
Ion Ratio Lower Upper
117 100
119 93.5 80.1 120.1
121 29.1 25.5 38.3

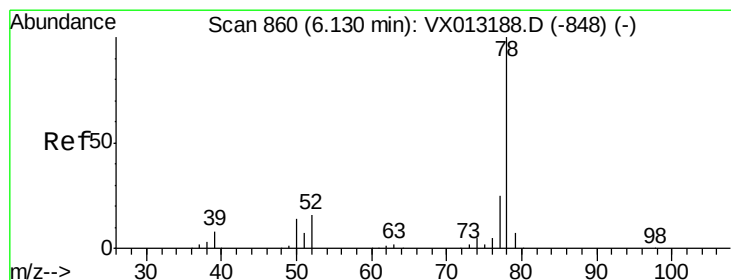
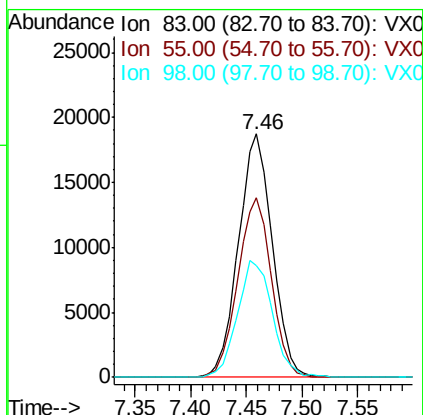
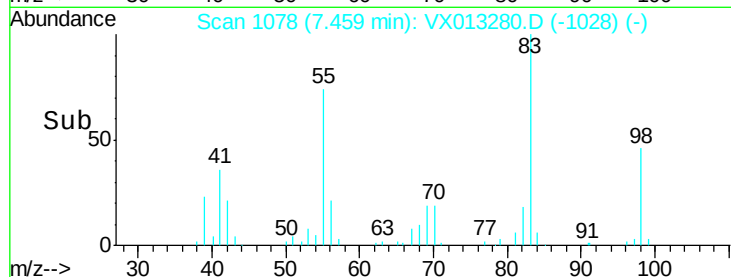
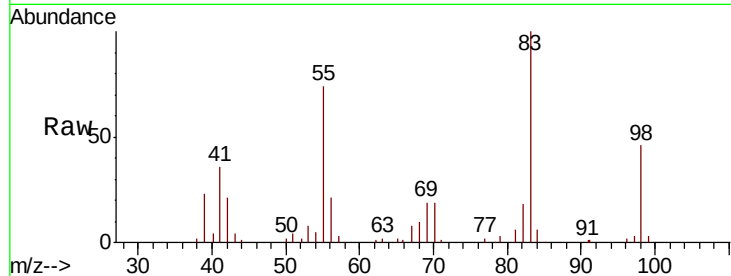




#39
Methylvlcyclohexane
Concen: 18.068 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

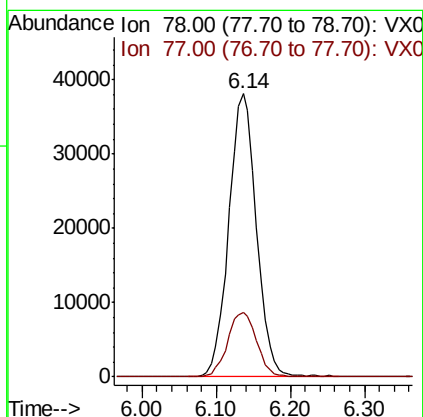
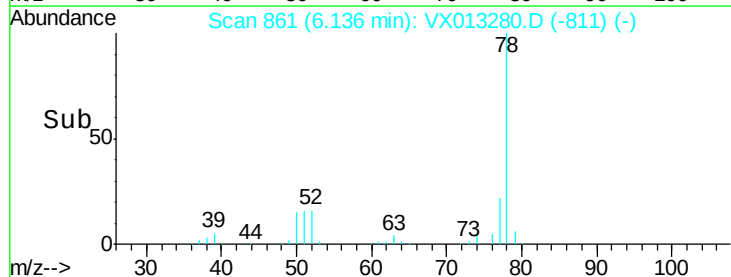
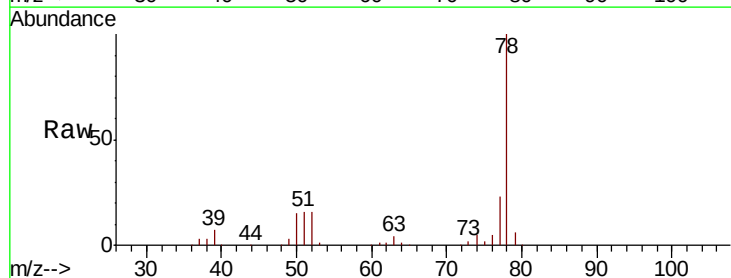
Instrument :
MSVOA_X
ClientSampled :

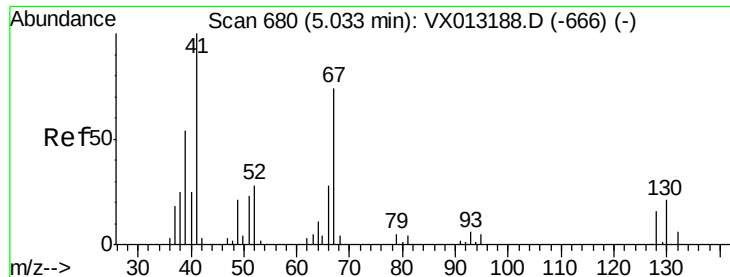
Tot Ion: 83 Resp: 39635
Ion Ratio Lower Upper
83 100
55 73.8 60.1 90.1
98 46.0 39.8 59.8



#40
Benzene
Concen: 19.247 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Tgt Ion: 78 Resp: 99058
Ion Ratio Lower Upper
78 100
77 22.7 19.6 29.4

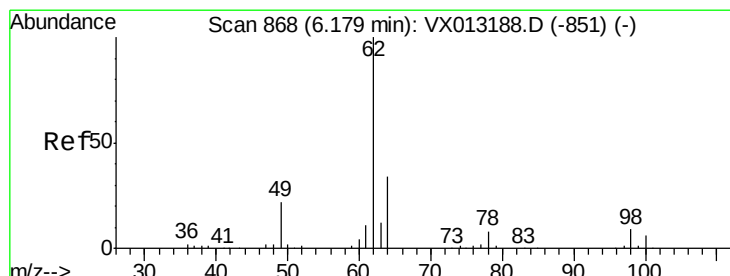
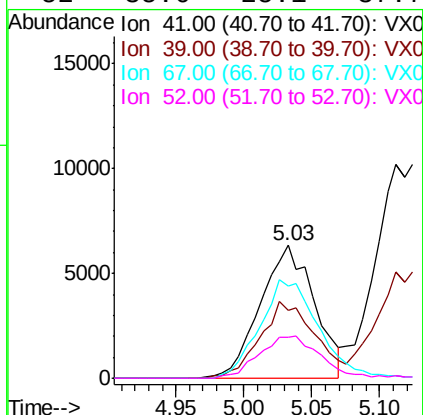
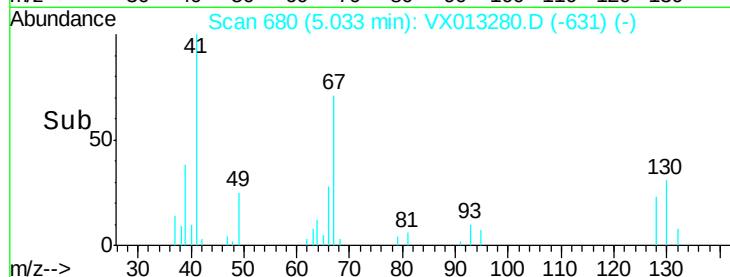
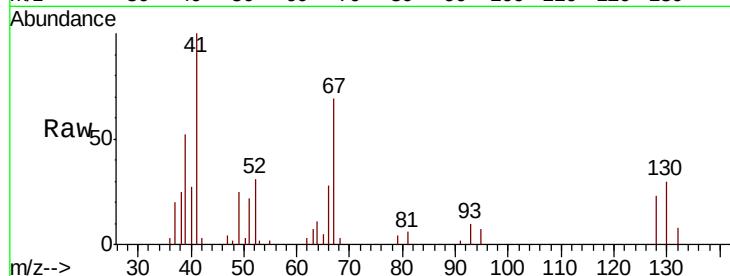




#41
Methacrylonitrile
Concen: 19.254 ug/l
RT: 5.03 min Scan# 680
Delta R.T. -0.00 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

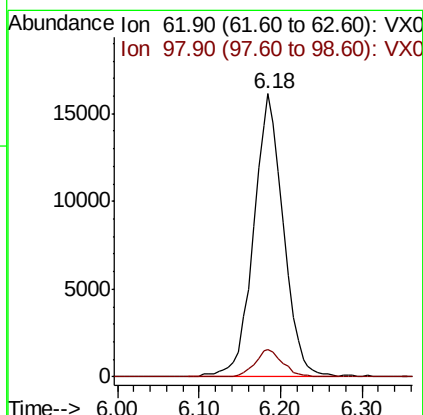
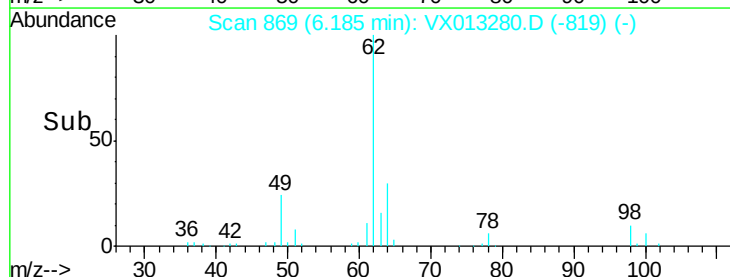
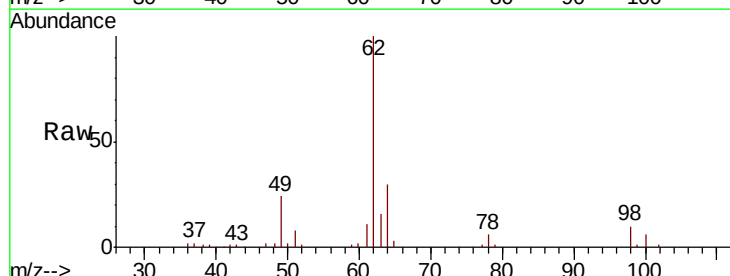
Instrument :
MSVOA_X
ClientSampled :

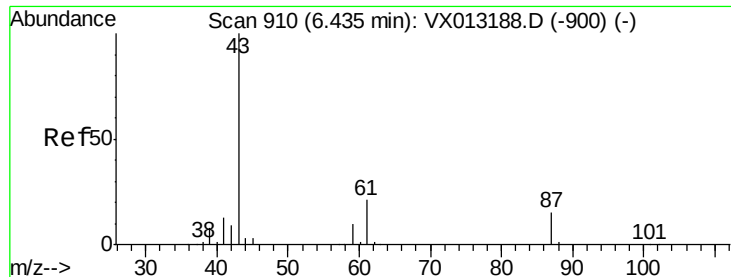
Tot Ion:	41	Resp:	17626
Ion	Ratio	Lower	Upper
41	100		
39	58.7	45.2	67.8
67	79.9	61.3	91.9
52	35.6	25.1	37.7



#42
1,2-Dichloroethane
Concen: 21.174 ug/l
RT: 6.18 min Scan# 869
Delta R.T. 0.01 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Tgt Ion:	62	Resp:	41088
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.4





#43

Isopropyl Acetate

Concen: 19.423 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

ClientSampled :

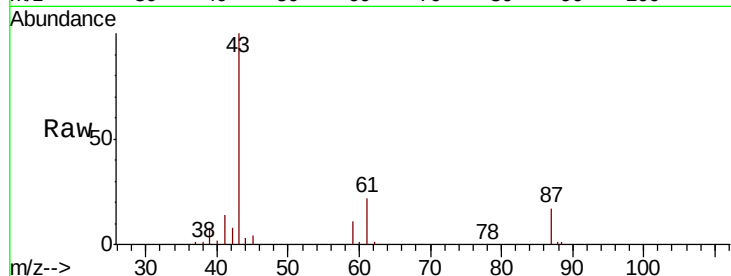
Tot Ion: 43 Resp: 55065

Ion Ratio Lower Upper

43 100

61 21.4 17.0 25.4

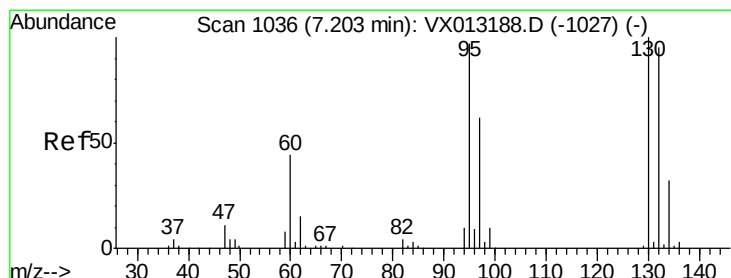
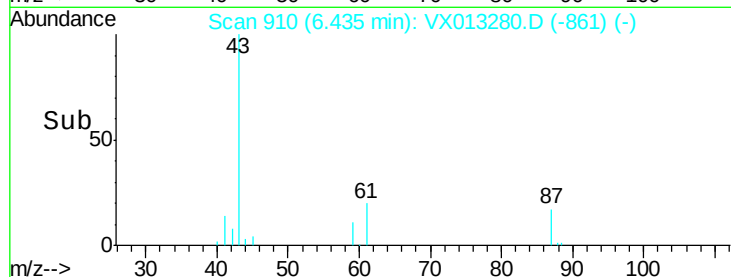
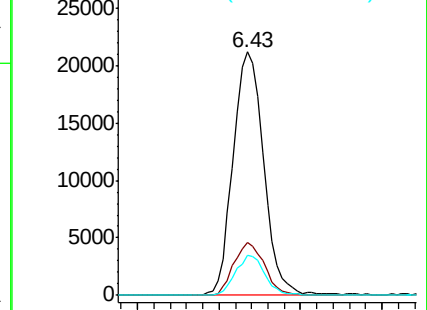
87 15.7 12.1 18.1



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: 18.583 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VX013280.D

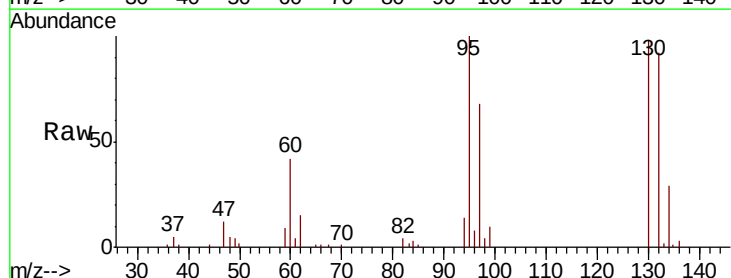
Acq: 30 Oct 2019 12:10

Tgt Ion: 130 Resp: 27145

Ion Ratio Lower Upper

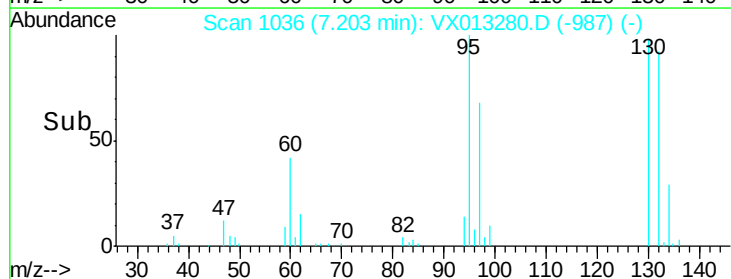
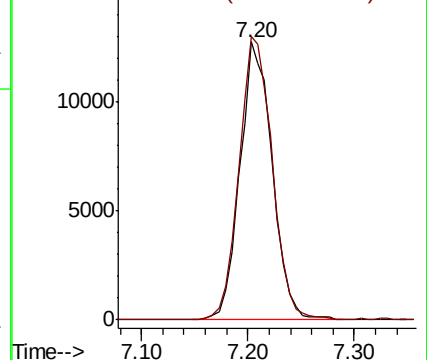
130 100

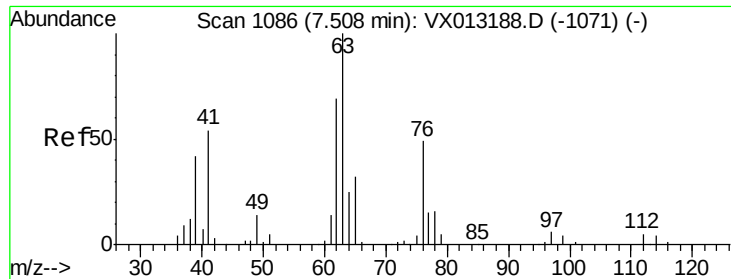
95 101.9 0.0 193.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

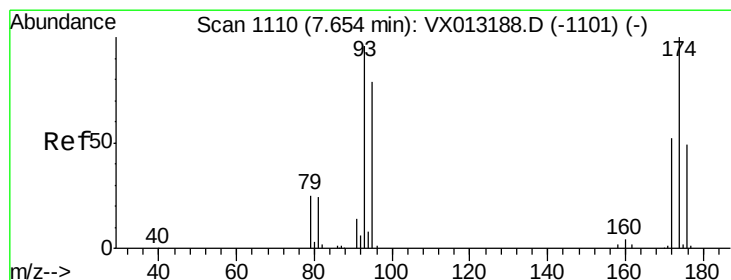
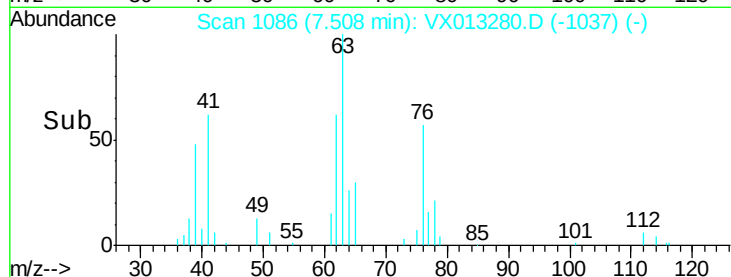
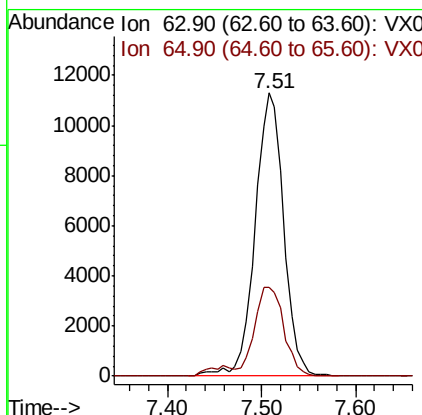
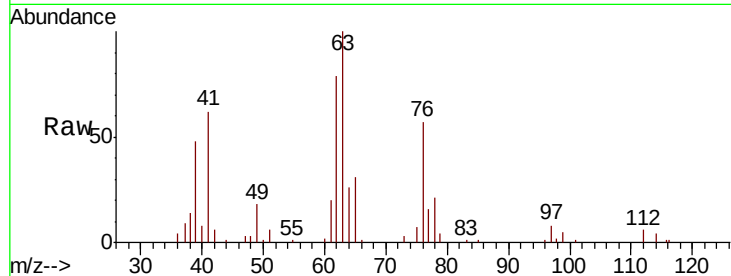




#45
 1,2-Dichloropropane
 Concen: 18.708 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX013280.D
 Acq: 30 Oct 2019 12:10

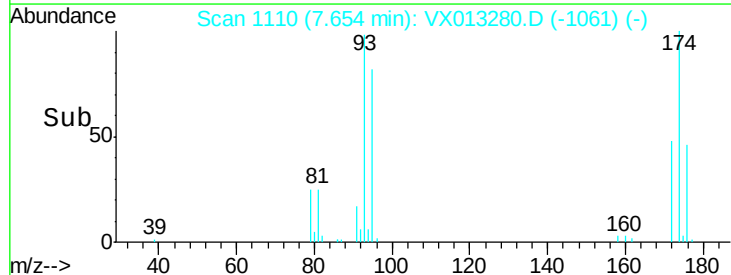
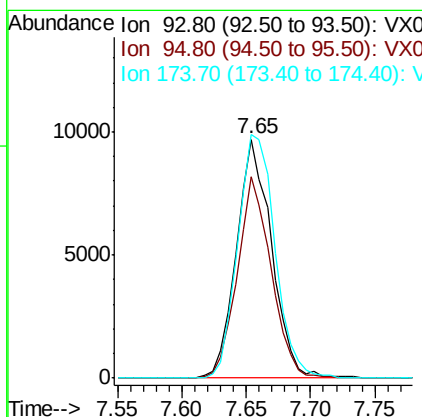
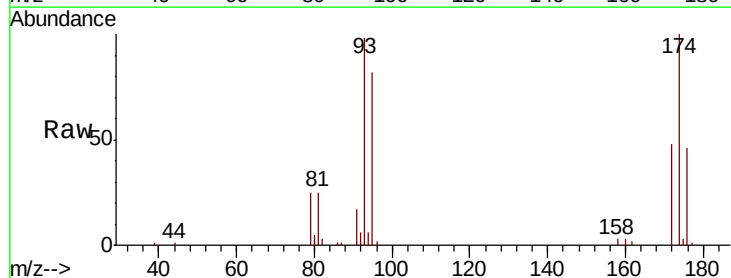
Instrument :
 MSVOA_X
 ClientSampleId :

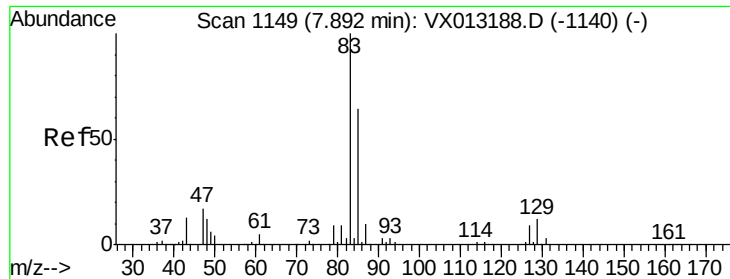
Tot Ion: 63 Resp: 24116
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.3 37.9



#46
 Dibromomethane
 Concen: 19.733 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX013280.D
 Acq: 30 Oct 2019 12:10

Tgt Ion: 93 Resp: 18327
 Ion Ratio Lower Upper
 93 100
 95 80.9 66.2 99.4
 174 107.9 85.2 127.8





#47

Bromodichloromethane

Concen: 20.194 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :
MSVOA_X
ClientSampled :

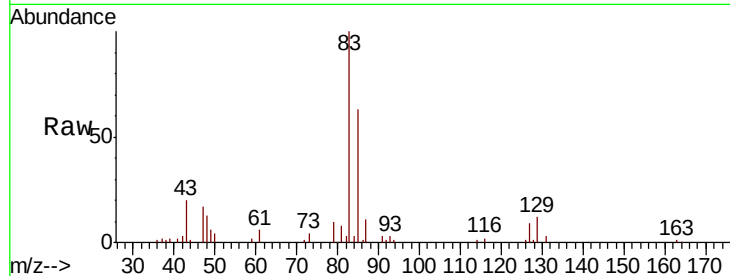
Tot Ion: 83 Resp: 36549

Ion Ratio Lower Upper

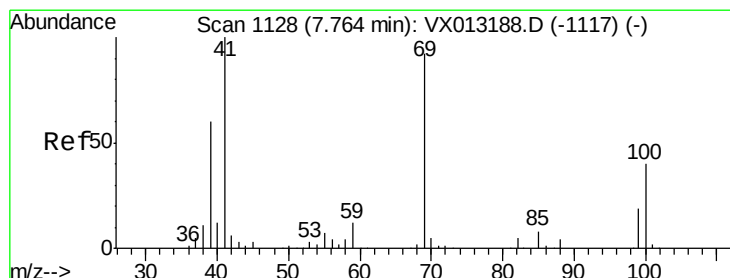
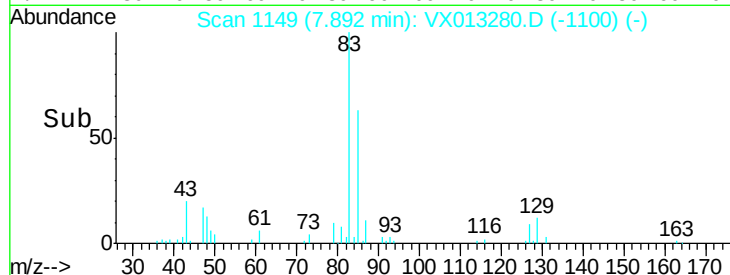
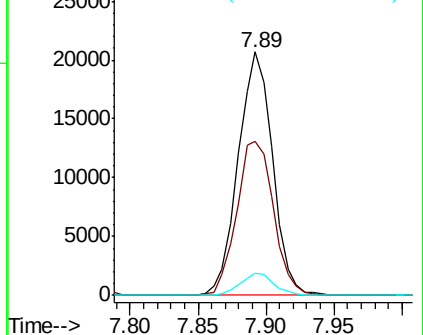
83 100

85 63.1 51.0 76.6

127 9.2 7.2 10.8



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: 19.738 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

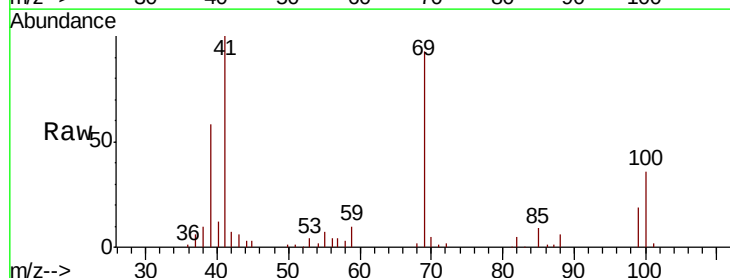
Tgt Ion: 41 Resp: 27658

Ion Ratio Lower Upper

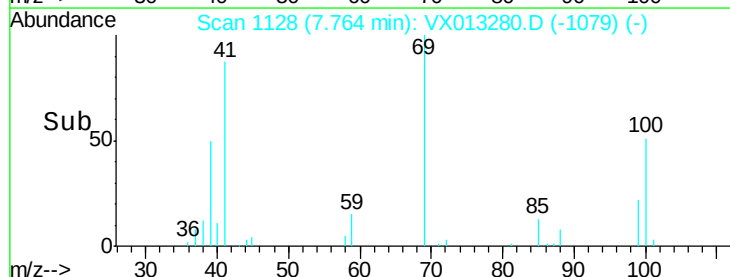
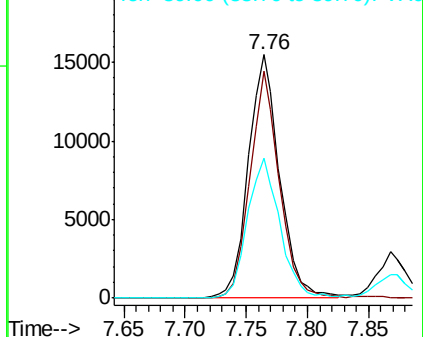
41 100

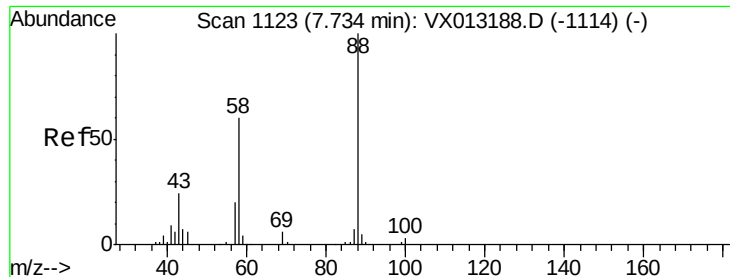
69 87.1 72.0 108.0

39 59.3 47.4 71.0



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

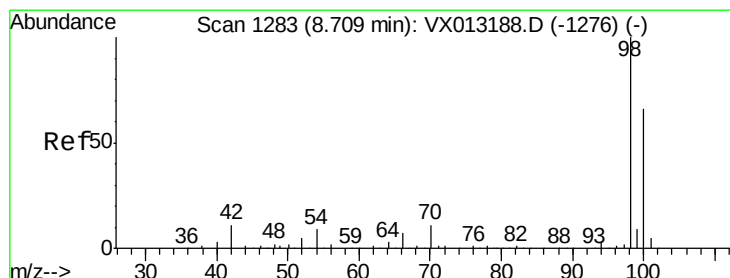
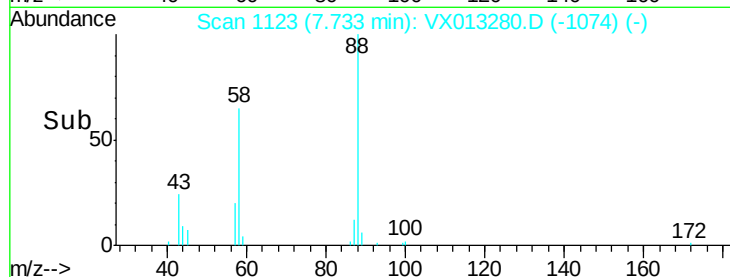
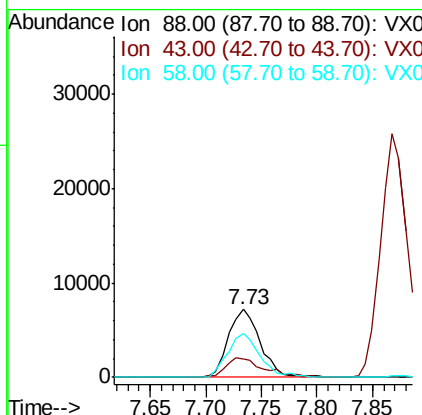
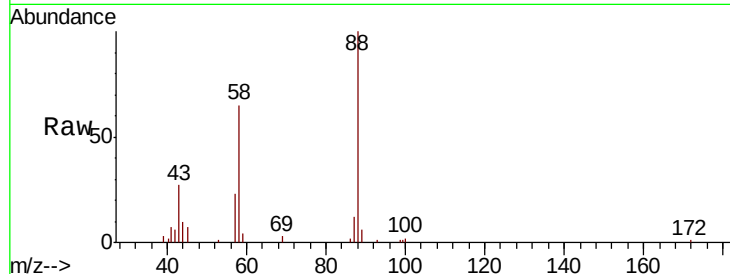




#49
1,4-Dioxane
Concen: 399.434 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

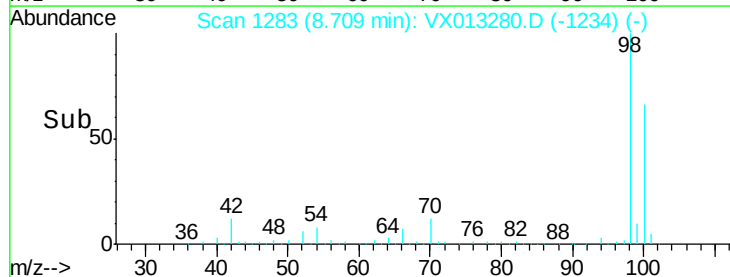
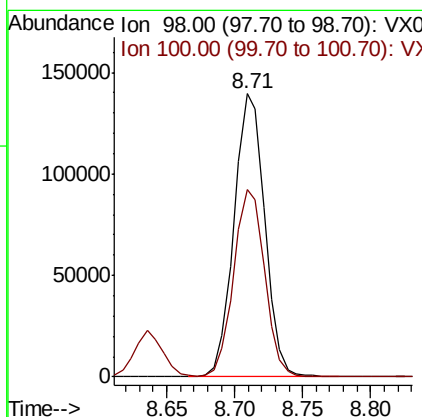
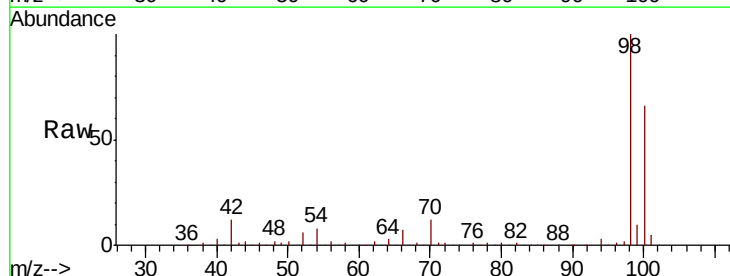
Instrument :
MSVOA_X
ClientSampleId :

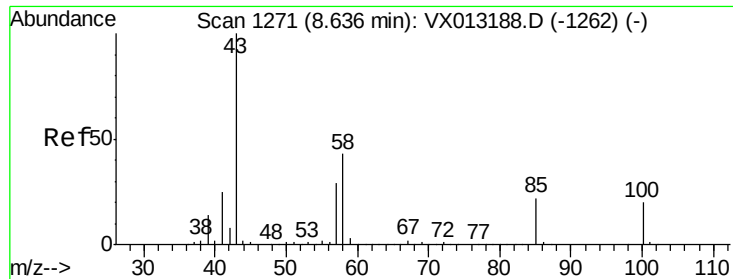
Tot Ion	Ratio	Lower	Upper
88	100		
43	33.9	24.5	36.7
58	65.6	54.1	81.1



#50
Toluene-d8
Concen: 51.969 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 98.374 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

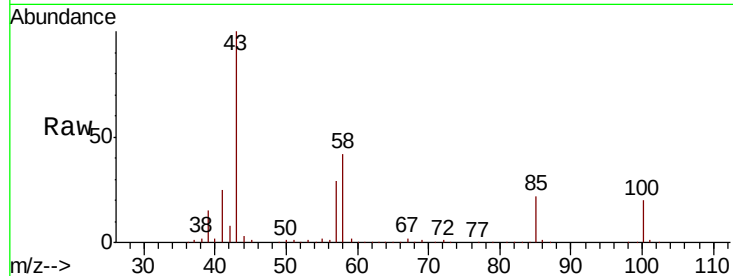
ClientSampleId :

Tot Ion: 43 Resp: 169994

Ion Ratio Lower Upper

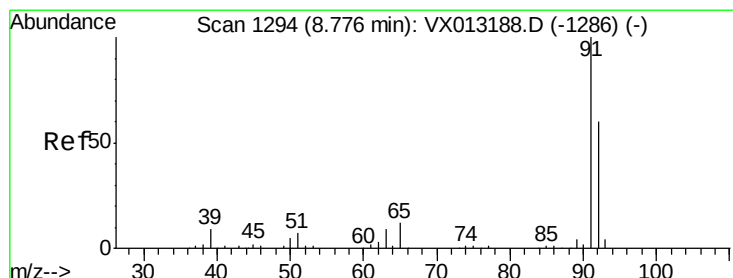
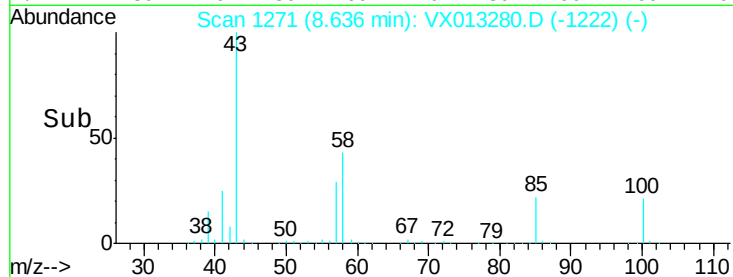
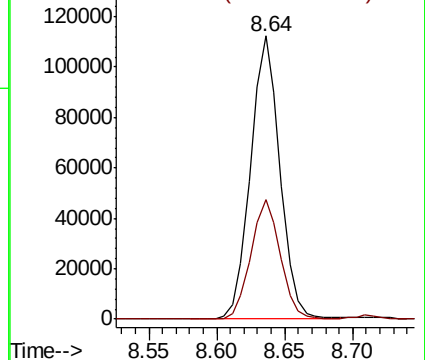
43 100

58 42.4 33.9 50.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.153 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX013280.D

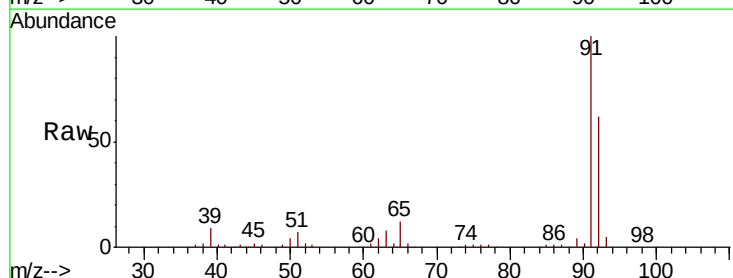
Acq: 30 Oct 2019 12:10

Tgt Ion: 92 Resp: 65330

Ion Ratio Lower Upper

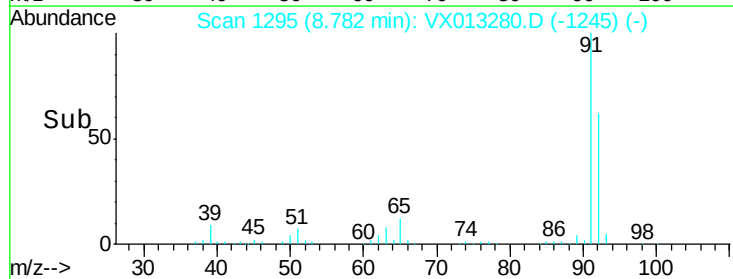
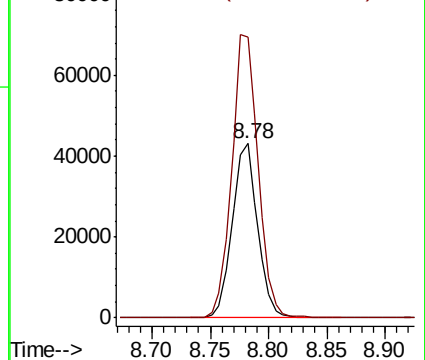
92 100

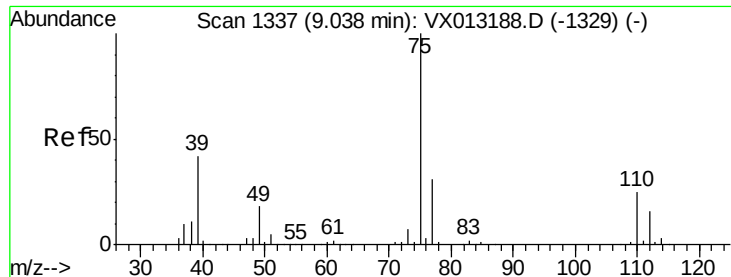
91 168.8 133.9 200.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

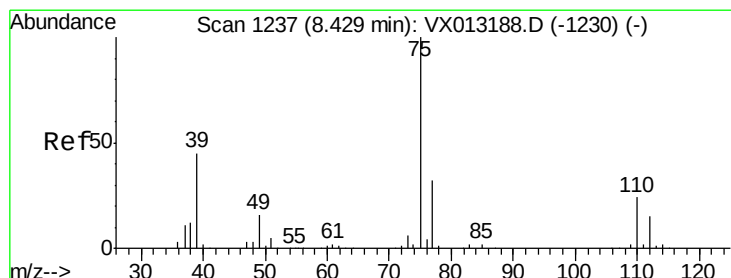
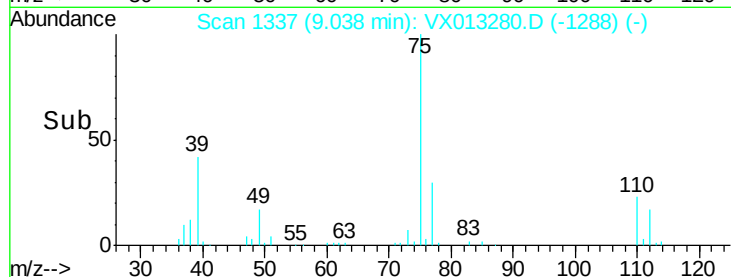
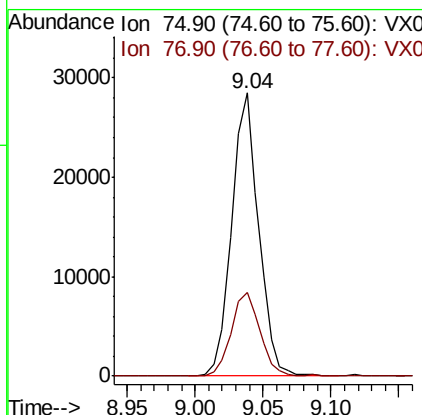
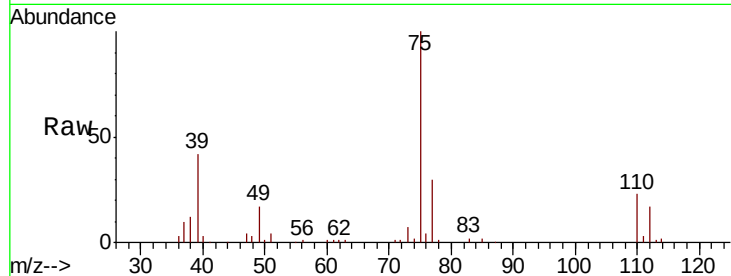




#53
 t-1,3-Dichloropropene
 Concen: 20.430 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: VX013280.D
 Acq: 30 Oct 2019 12:10

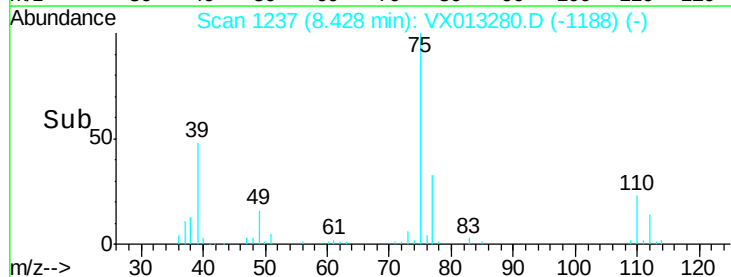
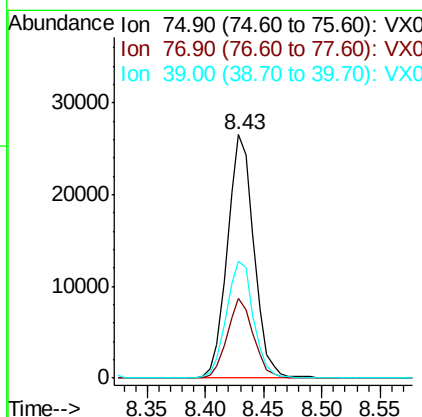
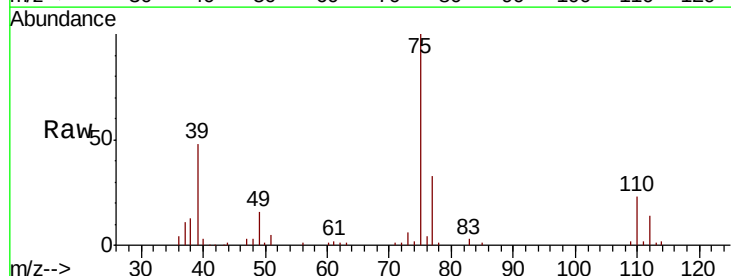
Instrument :
 MSVOA_X
 ClientSampleId :

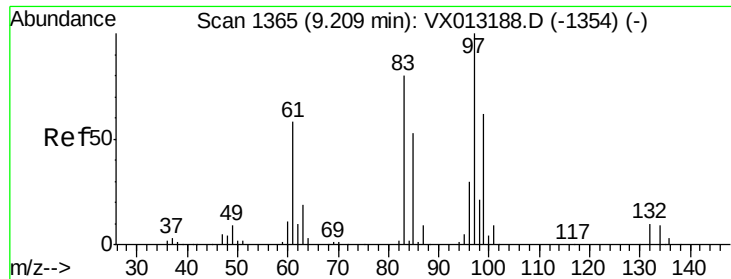
Tot Ion: 75 Resp: 39294
 Ion Ratio Lower Upper
 75 100
 77 29.7 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 20.002 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX013280.D
 Acq: 30 Oct 2019 12:10

Tgt Ion: 75 Resp: 42086
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.4 38.0
 39 48.2 36.2 54.4

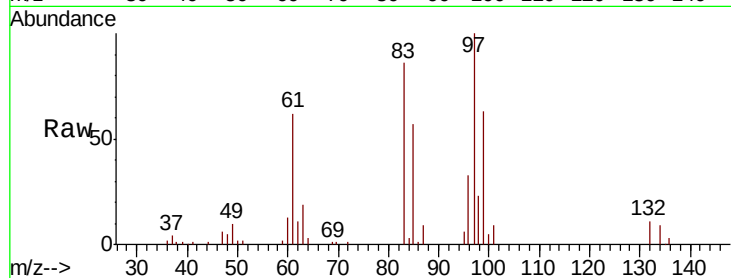




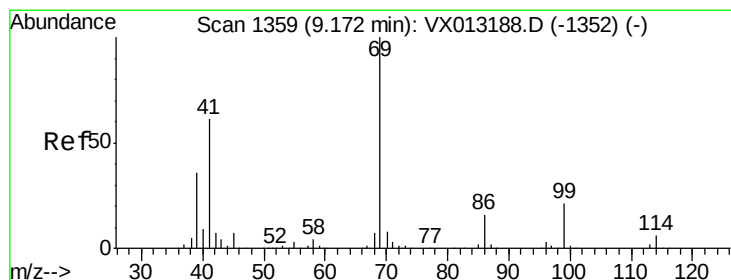
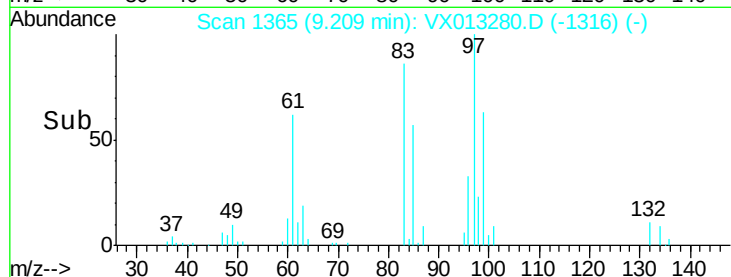
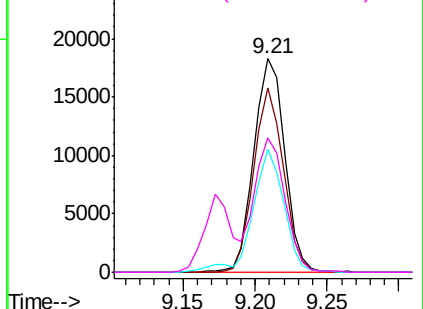
#55
1,1,2-Trichloroethane
Concen: 20.008 ug/l
RT: 9.21 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 97 Resp: 26981
Ion Ratio Lower Upper
97 100
83 86.0 64.1 96.1
85 57.3 42.1 63.1
99 62.8 49.4 74.2

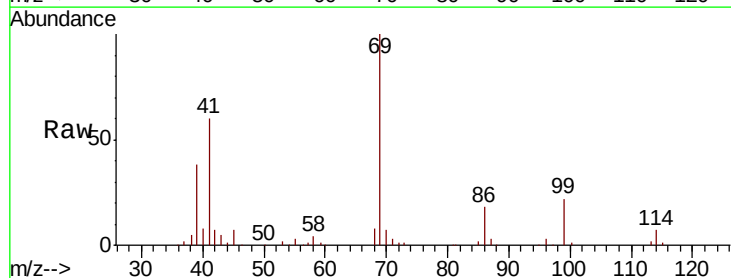


Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 98.90 (98.60 to 99.60): VX0

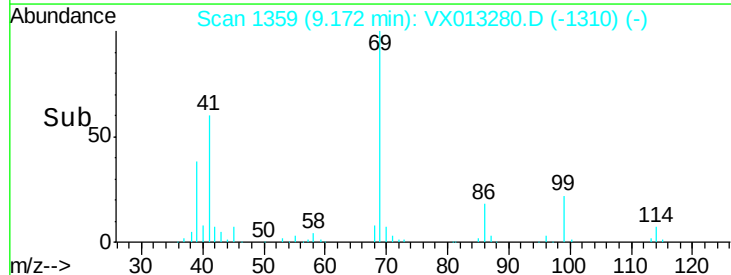
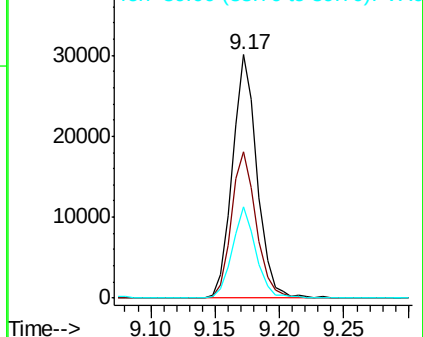


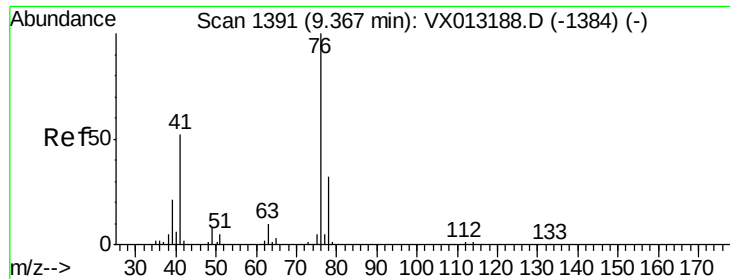
#56
Ethyl methacrylate
Concen: 19.830 ug/l
RT: 9.17 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Tgt Ion: 69 Resp: 40248
Ion Ratio Lower Upper
69 100
41 60.6 49.5 74.3
39 36.6 28.3 42.5



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

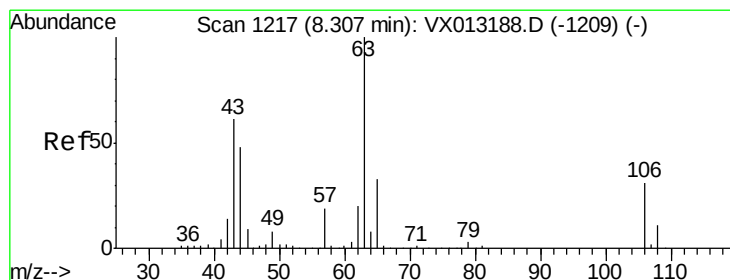
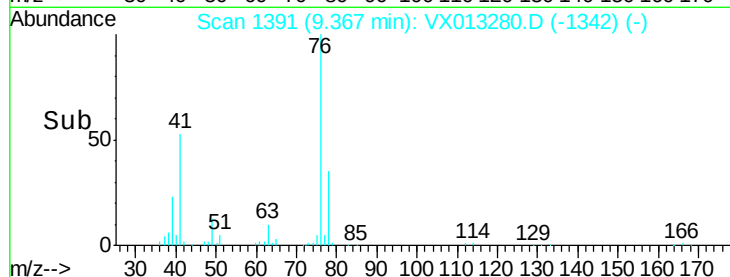
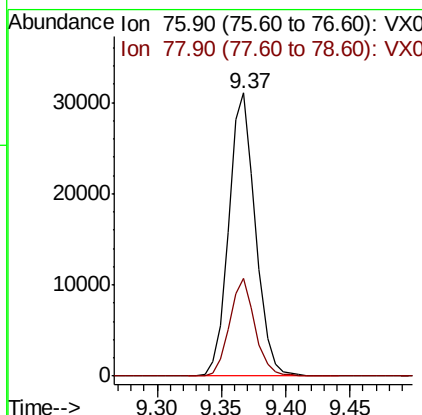
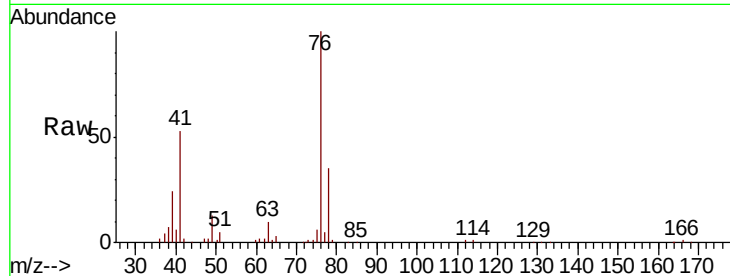




#57
 1,3-Dichloropropane
 Concen: 19.733 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX013280.D
 Acq: 30 Oct 2019 12:10

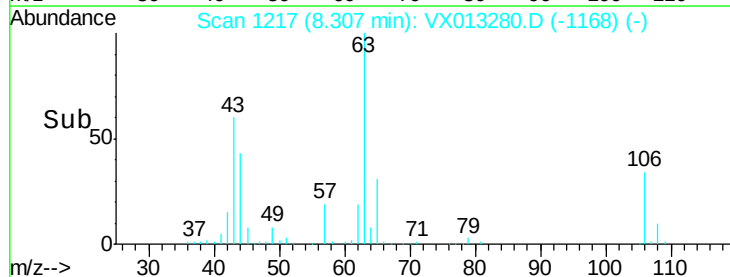
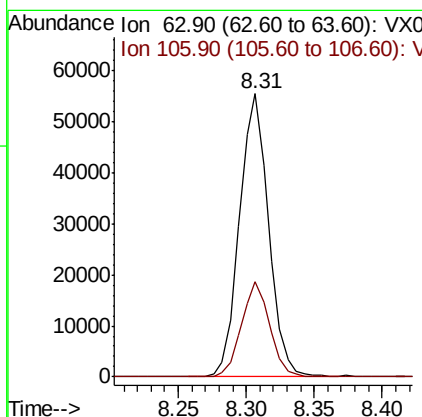
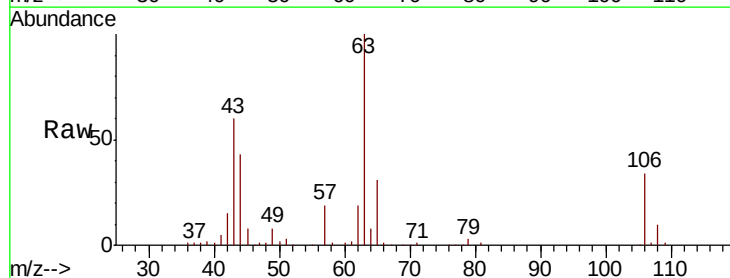
Instrument :
 MSVOA_X
 ClientSampleId :

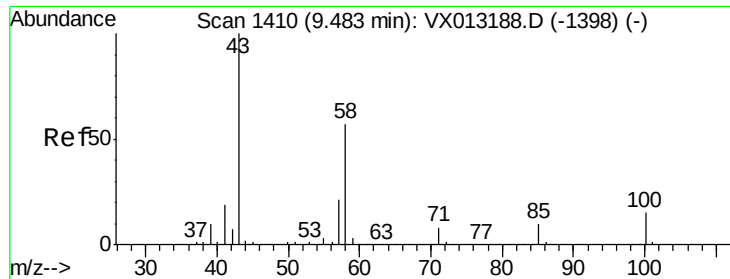
Tot Ion: 76 Resp: 44899
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.977 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VX013280.D
 Acq: 30 Oct 2019 12:10

Tgt Ion: 63 Resp: 83137
 Ion Ratio Lower Upper
 63 100
 106 32.8 25.4 38.0

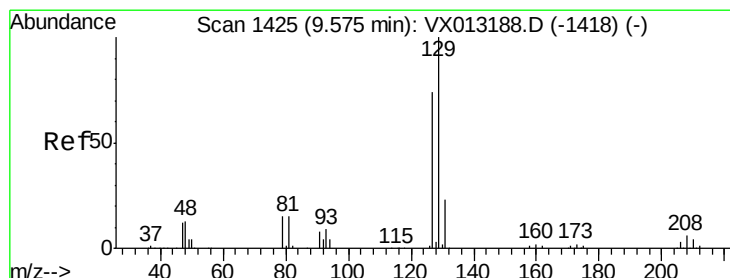
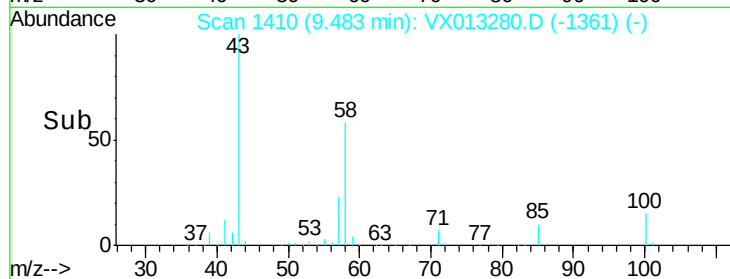
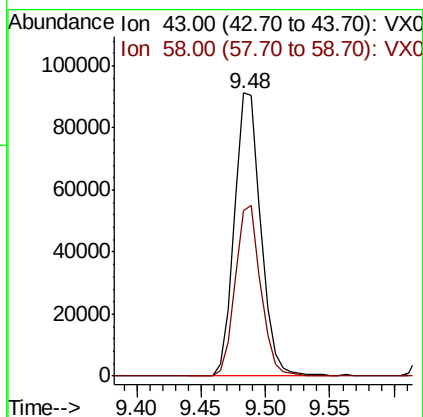
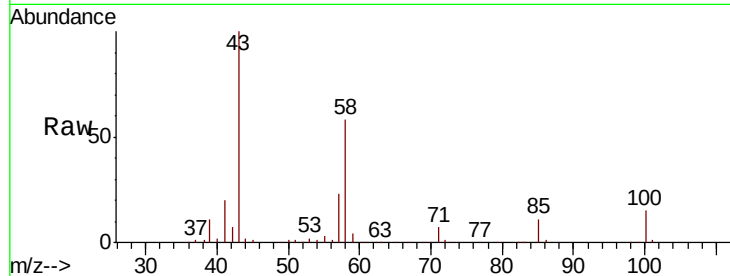




#59
2-Hexanone
Concen: 98.195 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

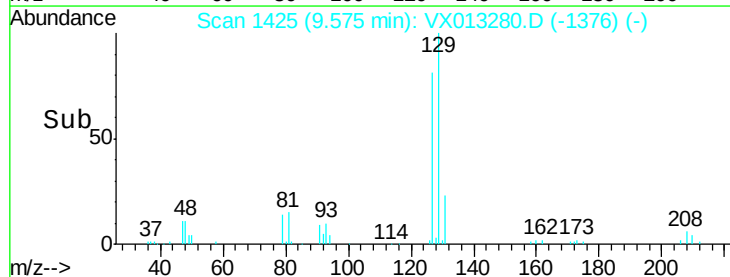
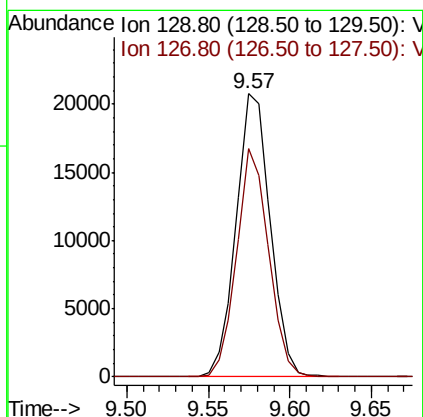
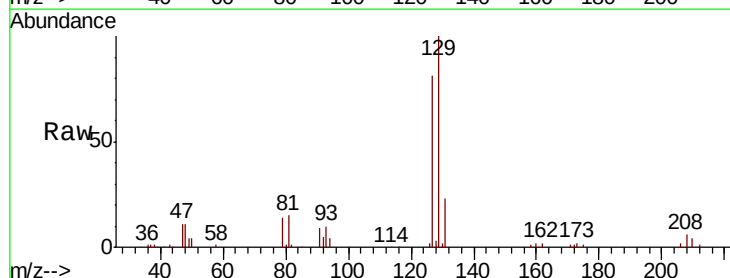
Instrument :
MSVOA_X
ClientSampled :

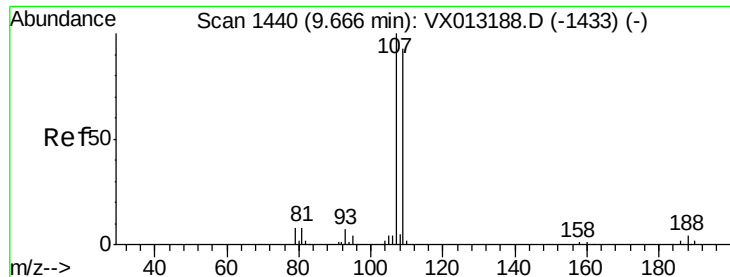
Tot Ion: 43 Resp: 130707
Ion Ratio Lower Upper
43 100
58 58.4 28.2 84.7



#60
Dibromochloromethane
Concen: 21.442 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Tgt Ion:129 Resp: 30299
Ion Ratio Lower Upper
129 100
127 75.9 38.2 114.6





#61

1,2-Dibromoethane

Concen: 20.500 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

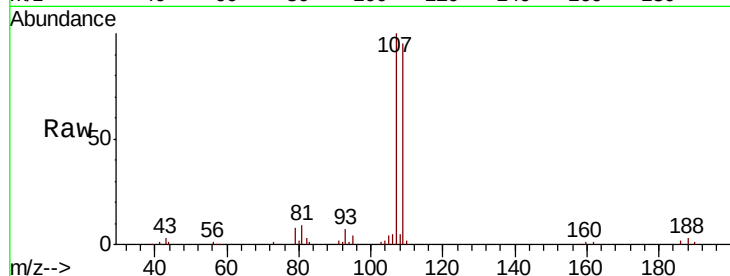
ClientSampleId :

Tot Ion:107 Resp: 29348

Ion Ratio Lower Upper

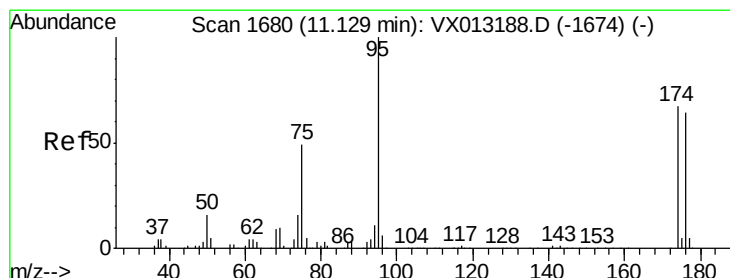
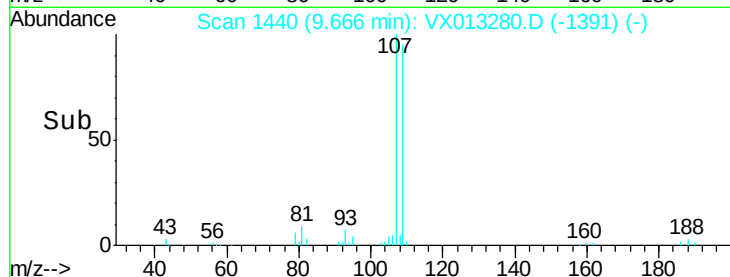
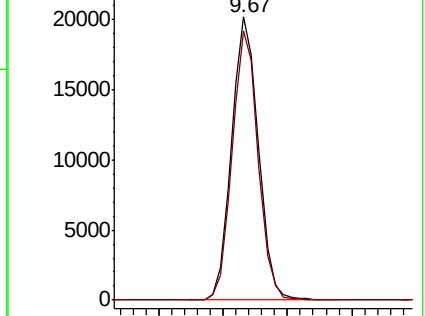
107 100

109 91.9 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.784 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

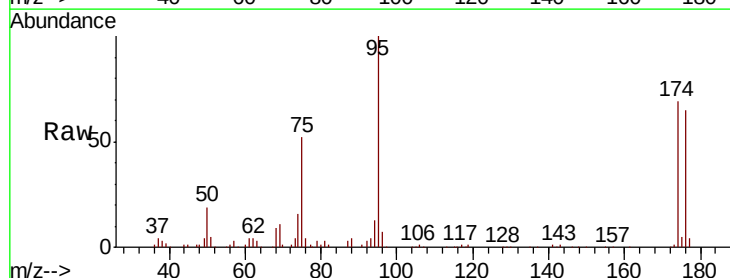
Tgt Ion: 95 Resp: 86792

Ion Ratio Lower Upper

95 100

174 74.4 0.0 152.4

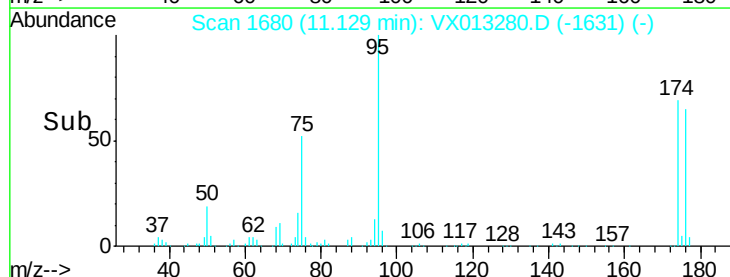
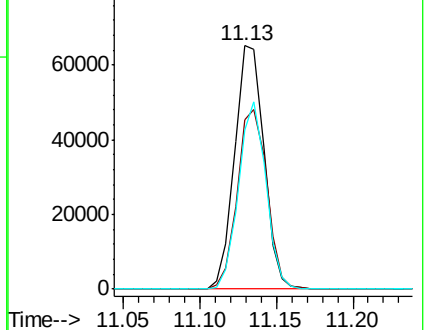
176 71.8 0.0 146.0

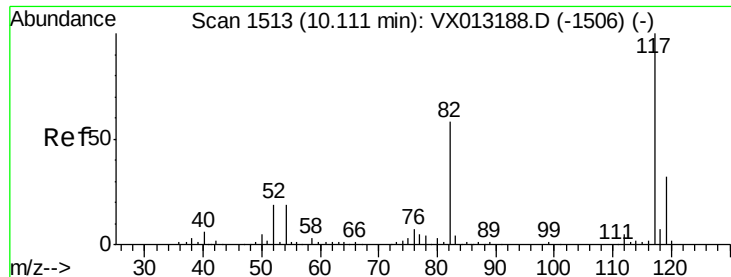


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

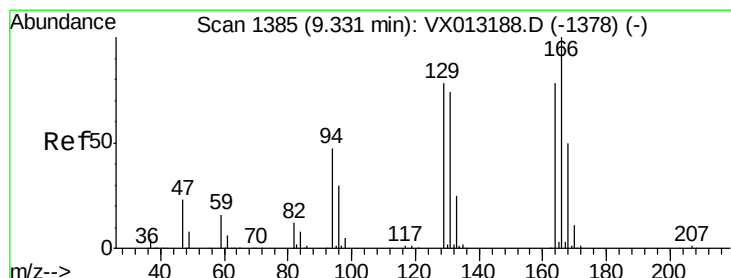
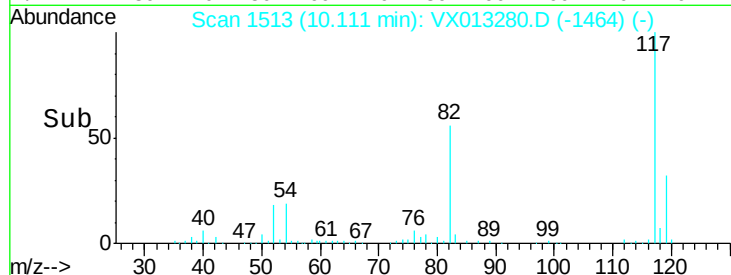
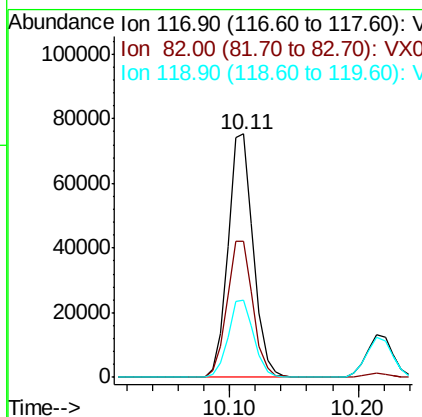
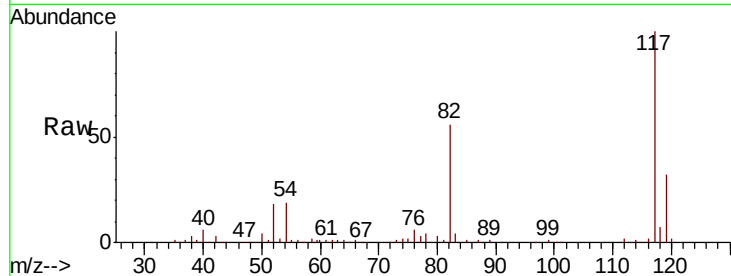




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

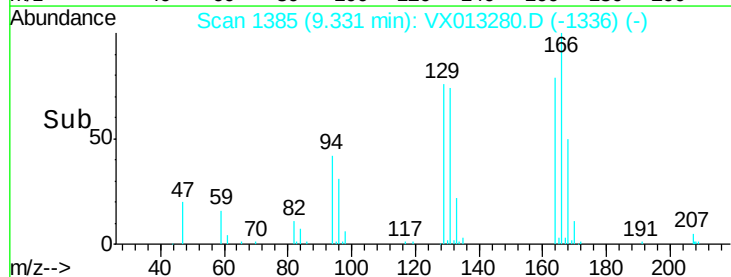
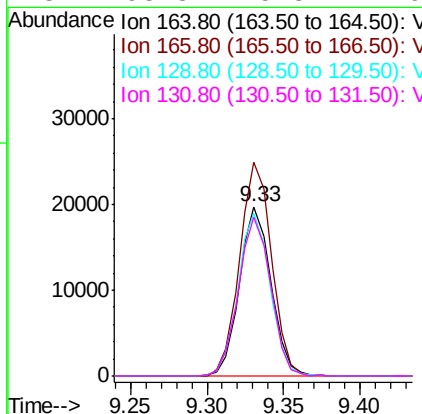
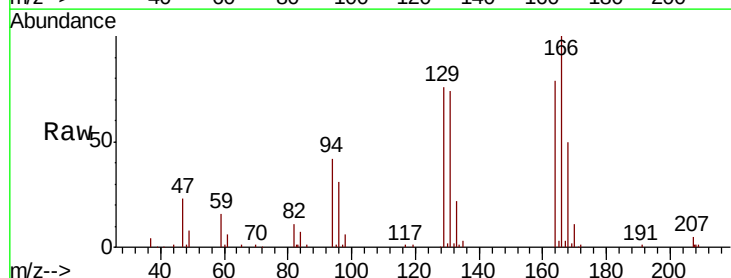
Instrument :
MSVOA_X
ClientSampleId :

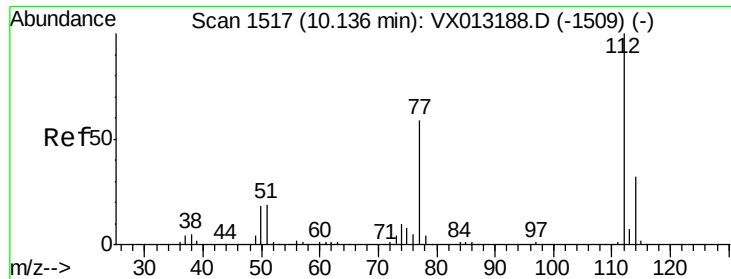
Tot Ion:117 Resp: 103418
Ion Ratio Lower Upper
117 100
82 56.0 46.5 69.7
119 31.7 25.2 37.8



#64
Tetrachloroethene
Concen: 21.018 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Tgt Ion:164 Resp: 28245
Ion Ratio Lower Upper
164 100
166 126.0 102.2 153.4
129 95.5 79.8 119.8
131 93.8 75.3 112.9

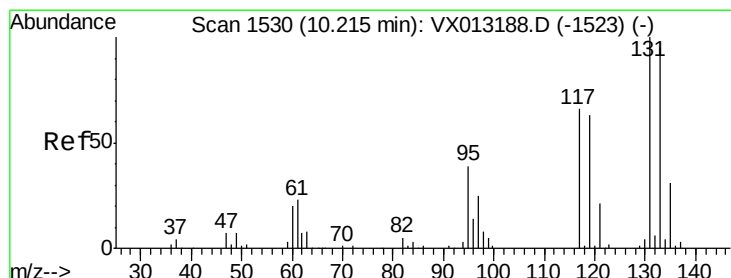
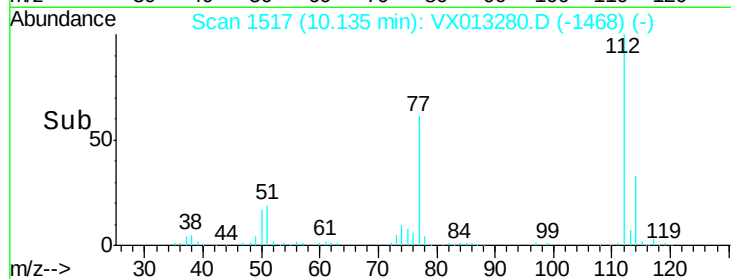
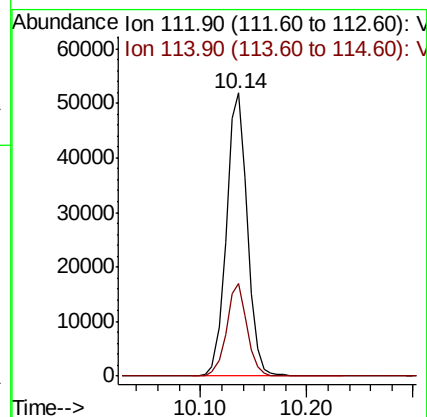
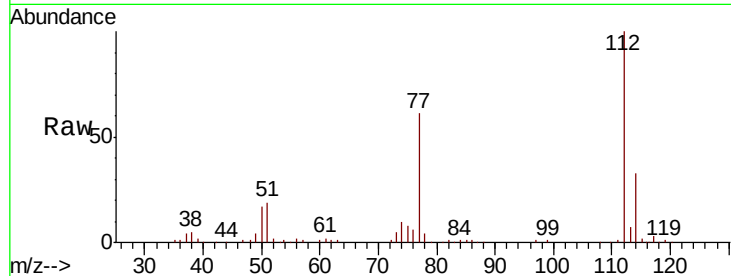




#65
Chlorobenzene
Concen: 19.607 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

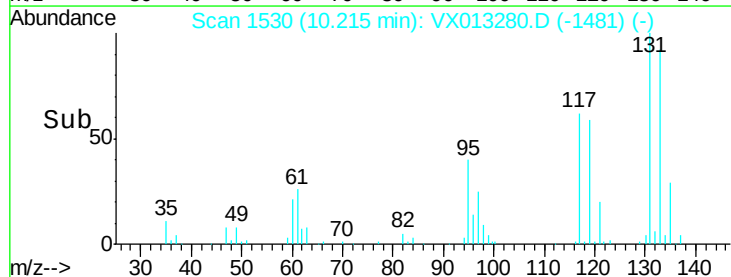
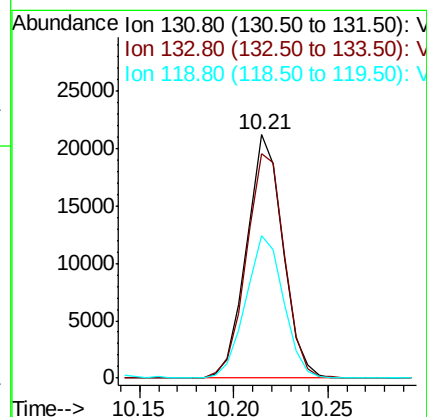
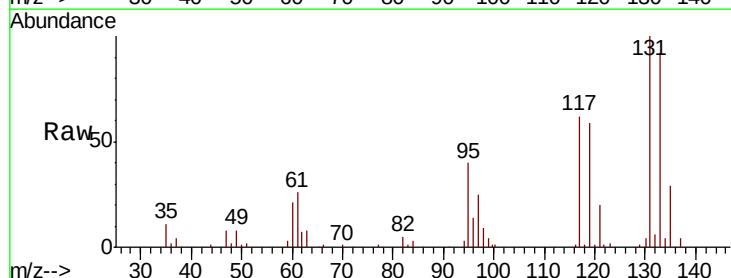
Instrument :
MSVOA_X
ClientSampleId :

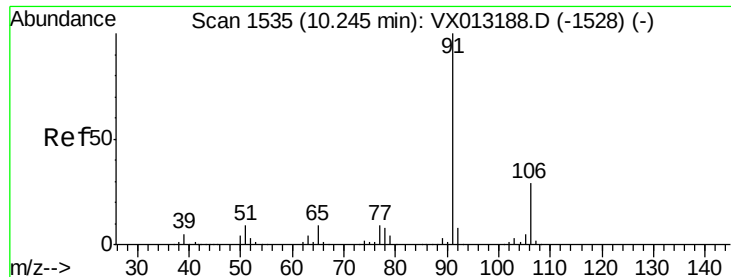
Tot Ion:112 Resp: 70980
Ion Ratio Lower Upper
112 100
114 32.9 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.166 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Tgt Ion:131 Resp: 28307
Ion Ratio Lower Upper
131 100
133 96.3 48.4 145.2
119 61.0 32.4 97.0





#67

Ethyl Benzene

Concen: 19.690 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

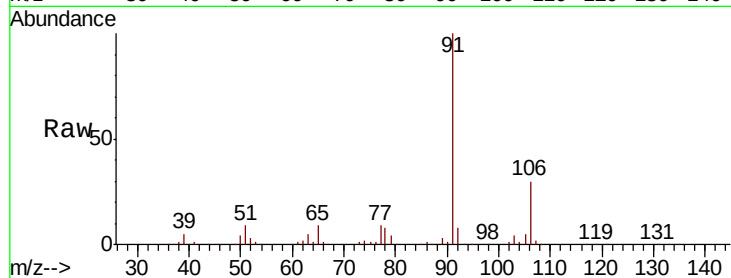
ClientSampleId :

Tot Ion: 91 Resp: 127613

Ion Ratio Lower Upper

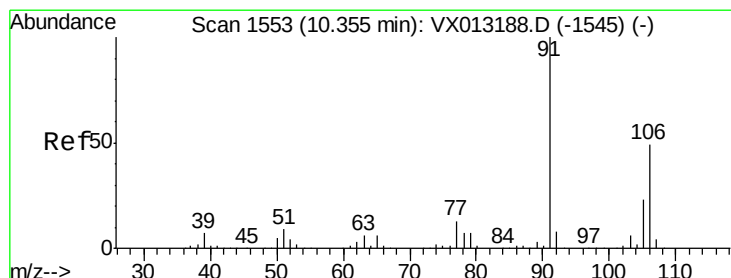
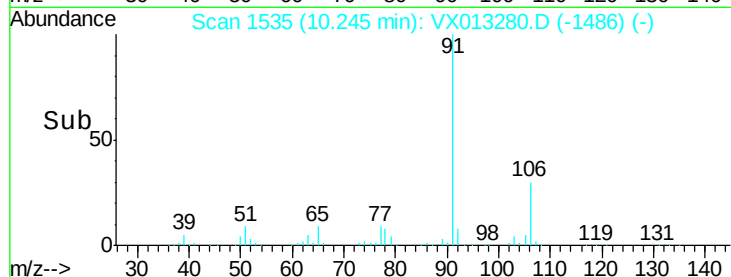
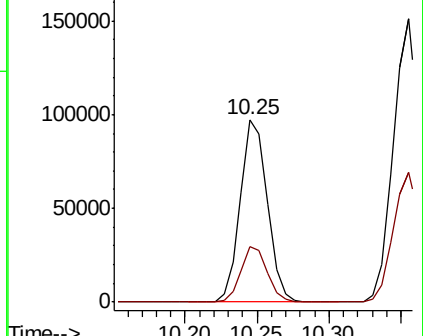
91 100

106 30.1 23.5 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 38.402 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013280.D

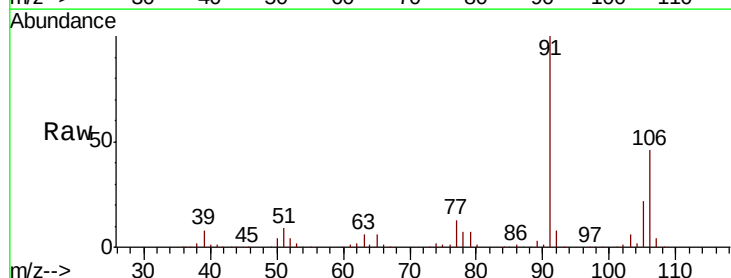
Acq: 30 Oct 2019 12:10

Tgt Ion: 106 Resp: 94057

Ion Ratio Lower Upper

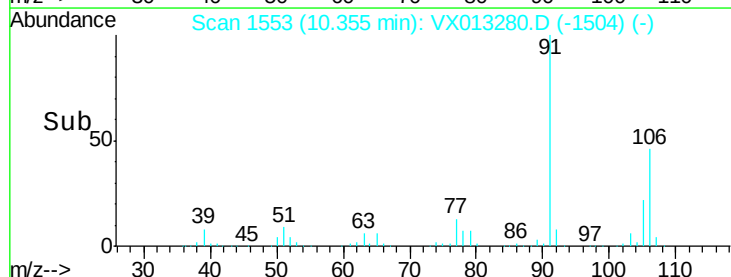
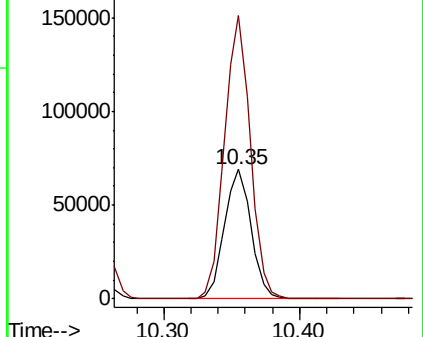
106 100

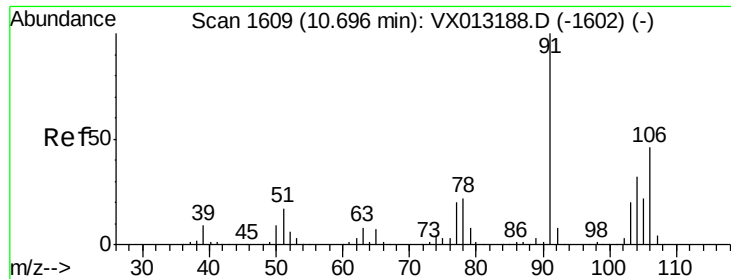
91 211.4 166.8 250.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

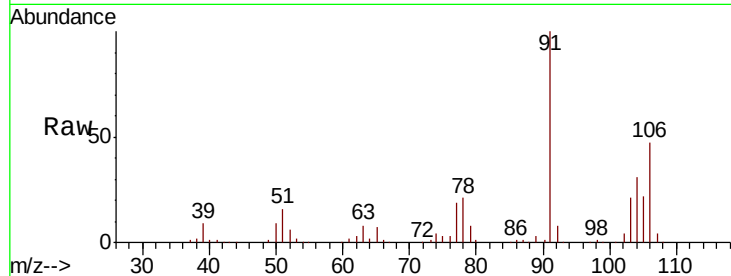




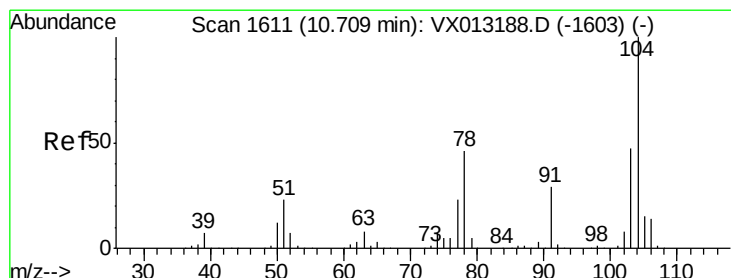
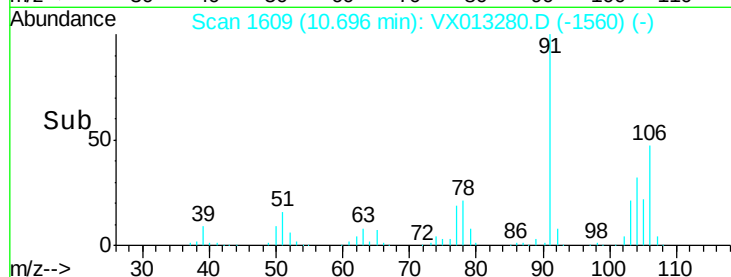
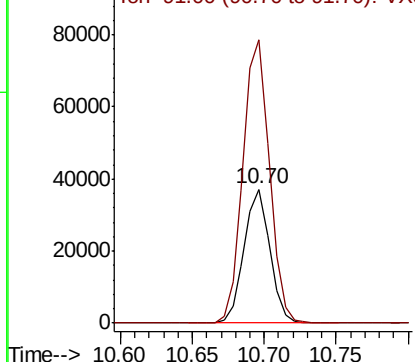
#69
o-Xylene
Concen: 19.688 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:106 Resp: 46257
Ion Ratio Lower Upper
106 100
91 217.5 110.7 331.9

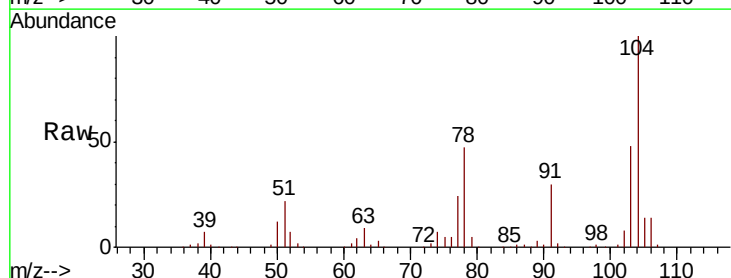


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

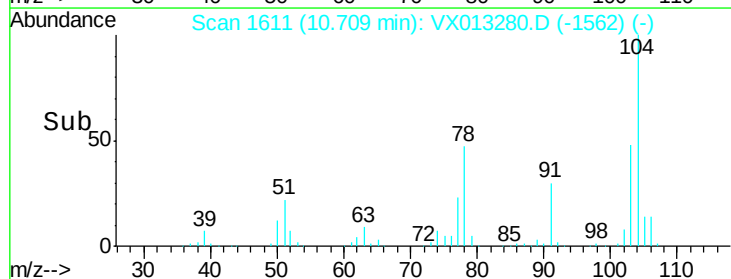
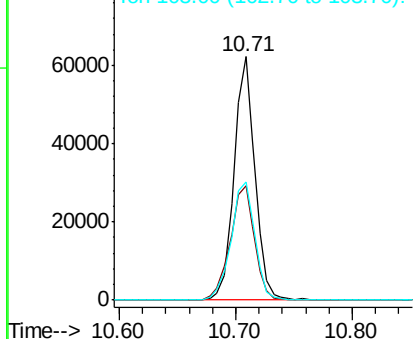


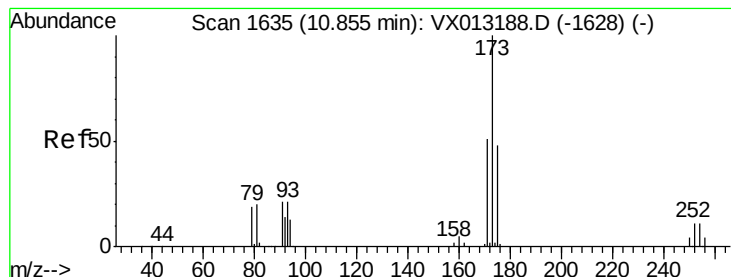
#70
Styrene
Concen: 19.199 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Tgt Ion:104 Resp: 77676
Ion Ratio Lower Upper
104 100
78 54.6 42.2 63.4
103 55.4 42.8 64.2



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: 20.608 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

ClientSampleId :

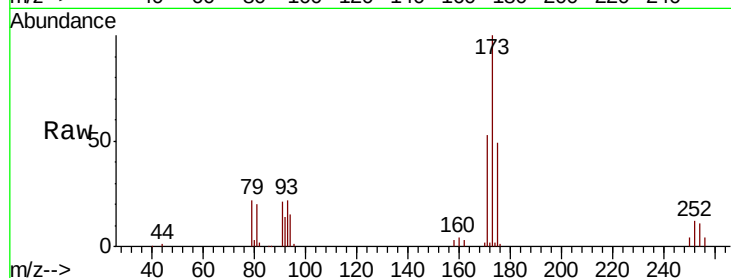
Tot Ion:173 Resp: 20138

Ion Ratio Lower Upper

173 100

175 49.1 24.3 72.8

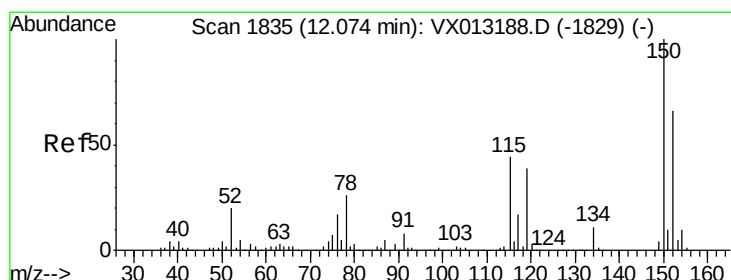
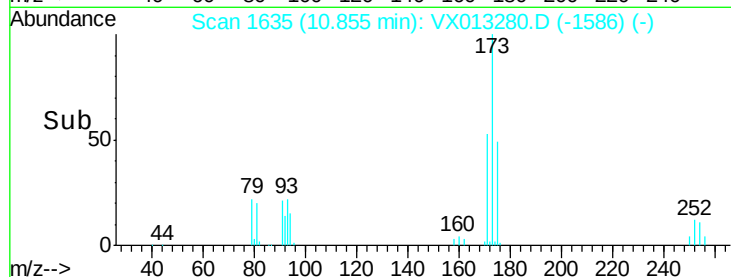
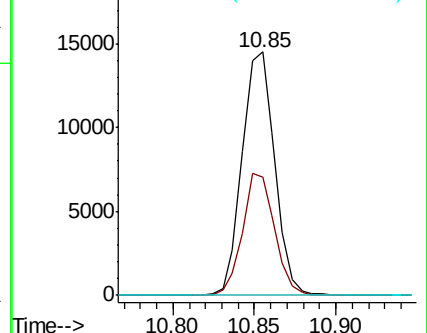
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

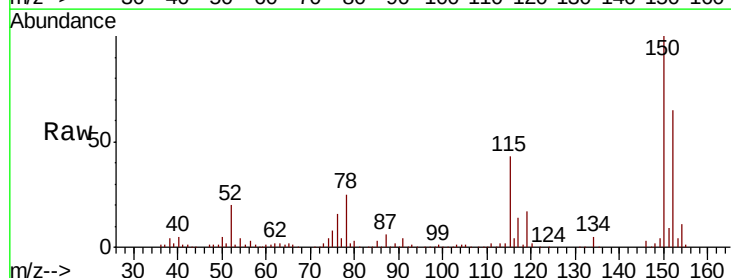
Tgt Ion:152 Resp: 70224

Ion Ratio Lower Upper

152 100

115 75.5 46.6 139.8

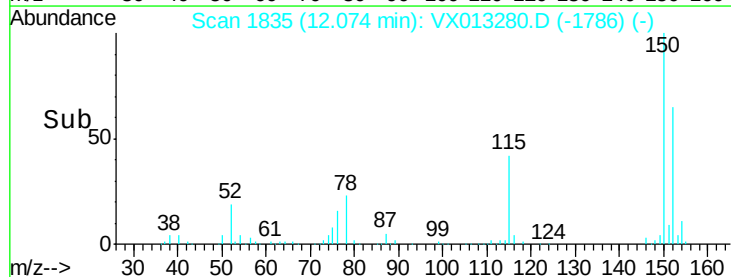
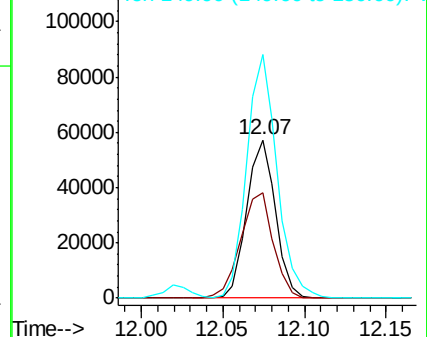
150 162.9 0.0 354.0

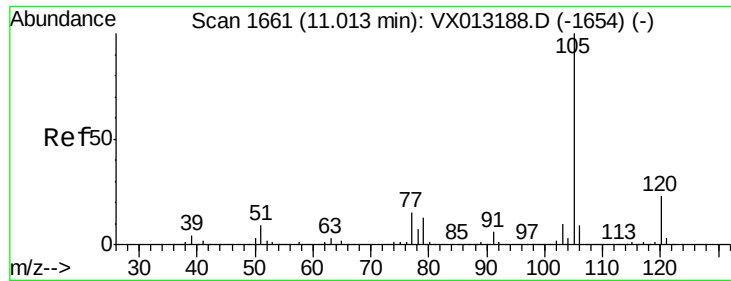


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.101 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

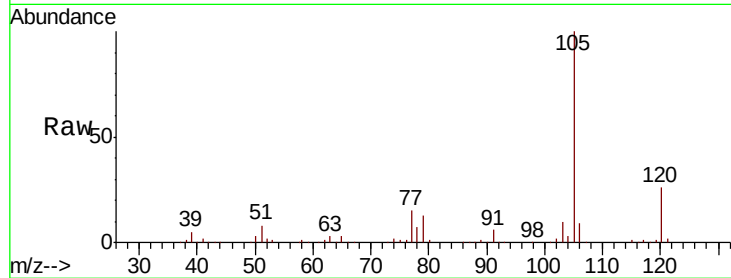
ClientSampleId :

Tot Ion:105 Resp: 128187

Ion Ratio Lower Upper

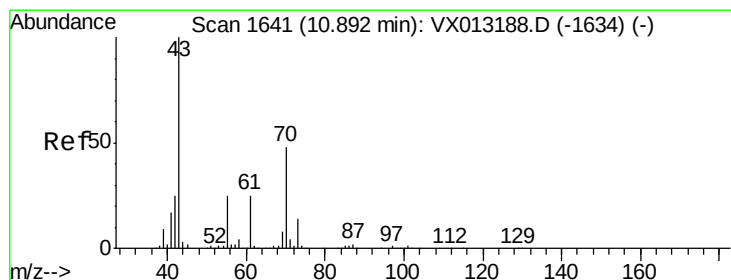
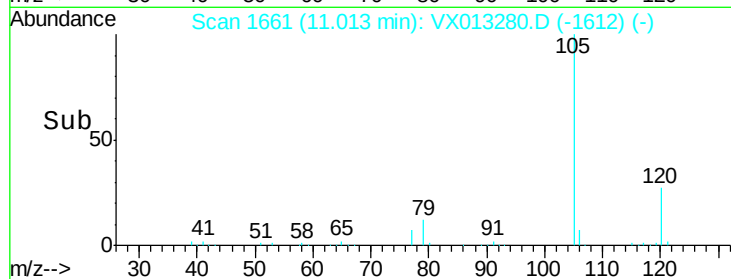
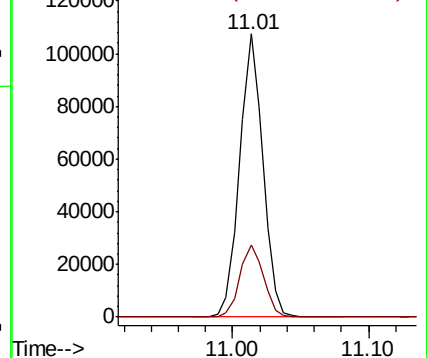
105 100

120 25.8 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.151 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Tgt Ion: 43 Resp: 44823

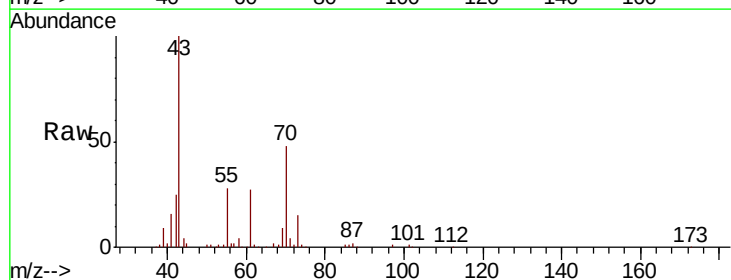
Ion Ratio Lower Upper

43 100

70 48.3 38.5 57.7

55 27.3 20.7 31.1

61 26.6 20.8 31.2

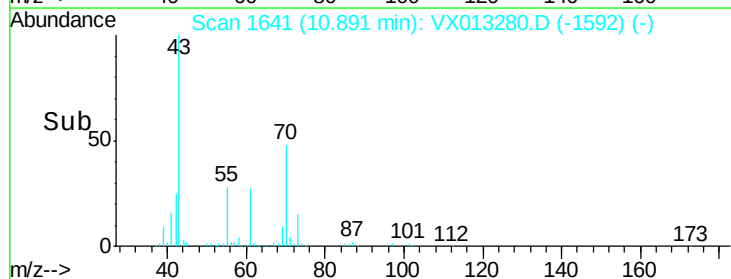
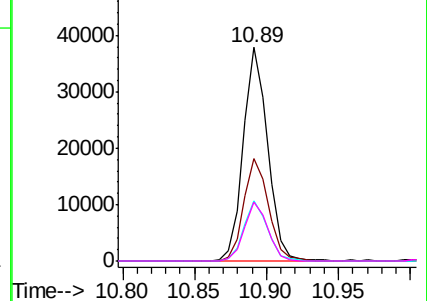


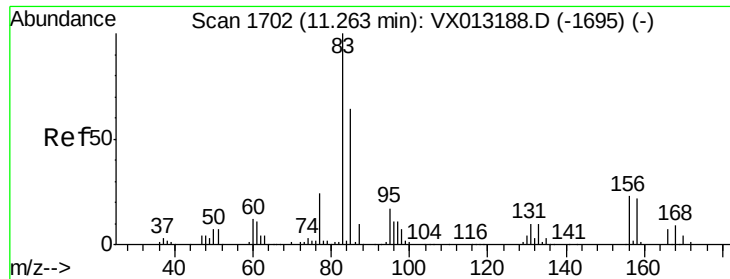
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.001 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

ClientSampleId :

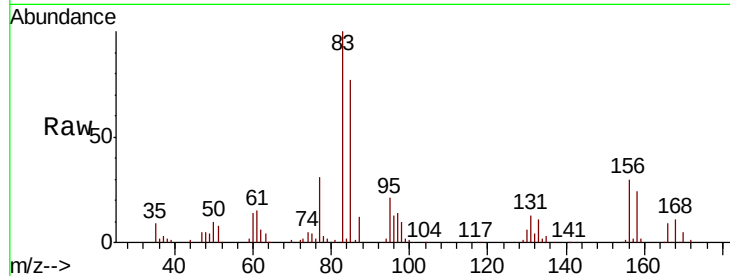
Tot Ion: 83 Resp: 36791

Ion Ratio Lower Upper

83 100

131 11.8 5.3 16.1

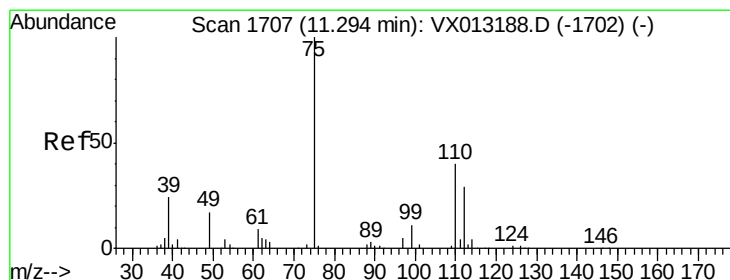
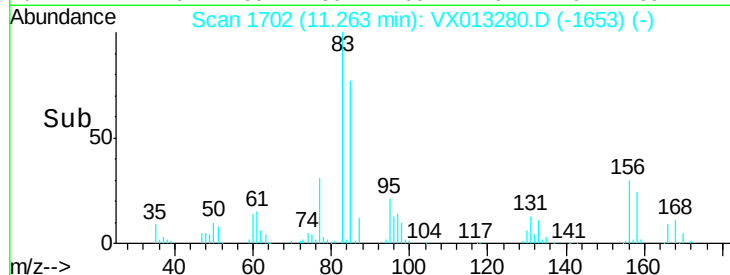
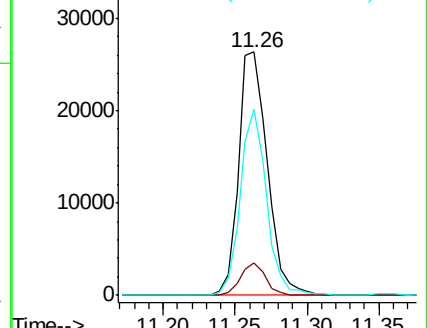
85 69.8 31.4 94.3



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: 26.623 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX013280.D

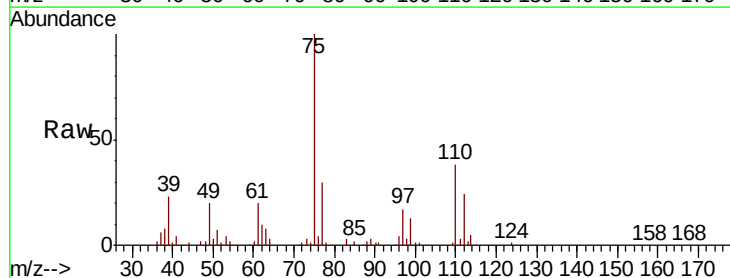
Acq: 30 Oct 2019 12:10

Tgt Ion: 75 Resp: 45060

Ion Ratio Lower Upper

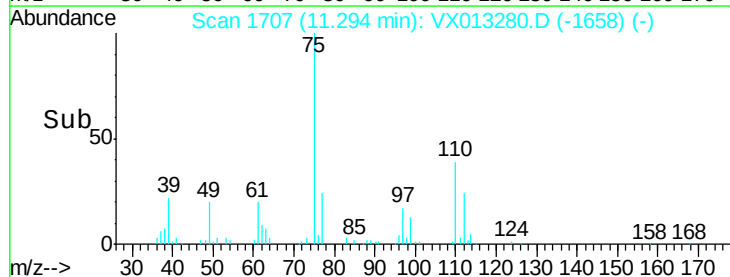
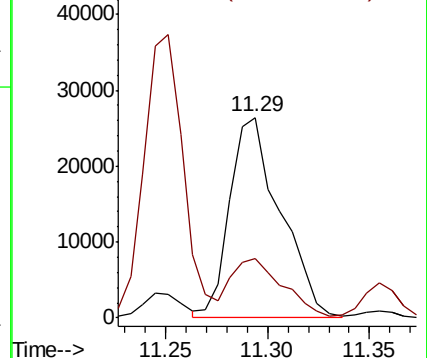
75 100

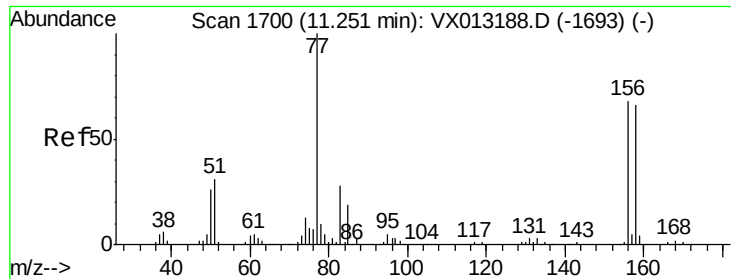
77 30.3 19.1 57.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.538 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

ClientSampleId :

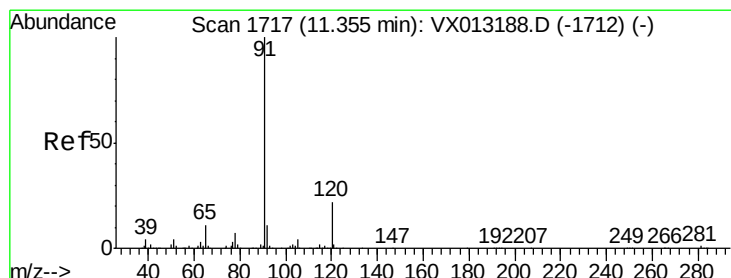
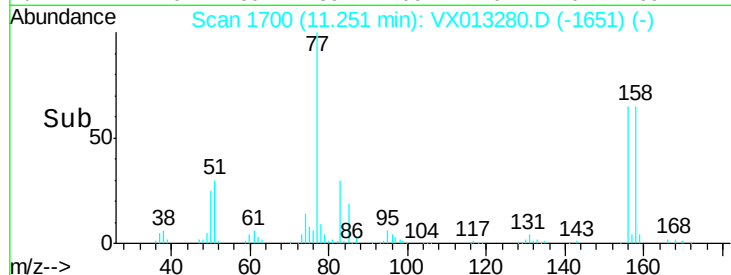
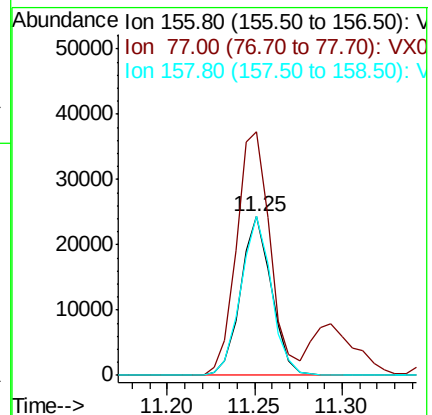
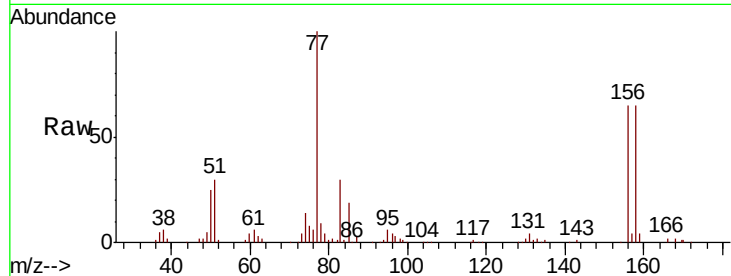
Tot Ion:156 Resp: 29862

Ion Ratio Lower Upper

156 100

77 167.5 81.7 245.1

158 99.3 49.6 148.8



#78

n-propylbenzene

Concen: 19.758 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013280.D

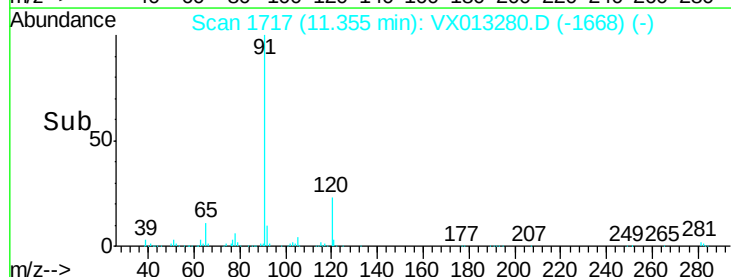
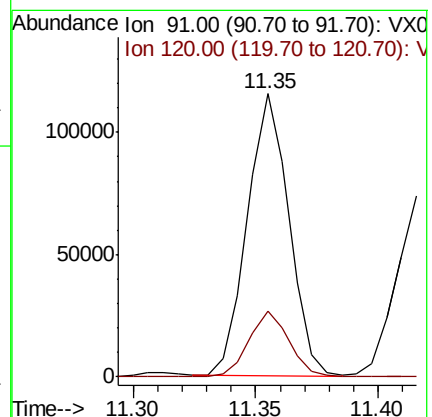
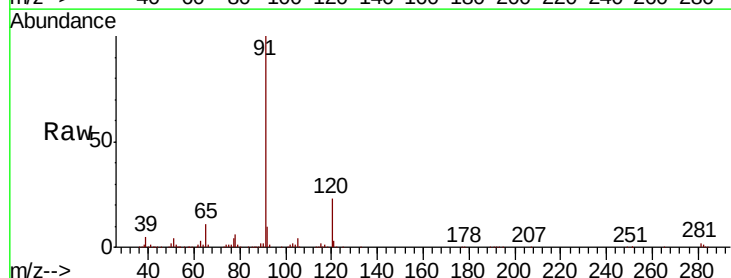
Acq: 30 Oct 2019 12:10

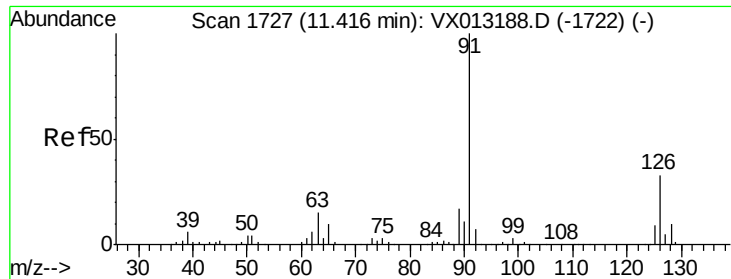
Tgt Ion: 91 Resp: 136863

Ion Ratio Lower Upper

91 100

120 22.5 11.4 34.1

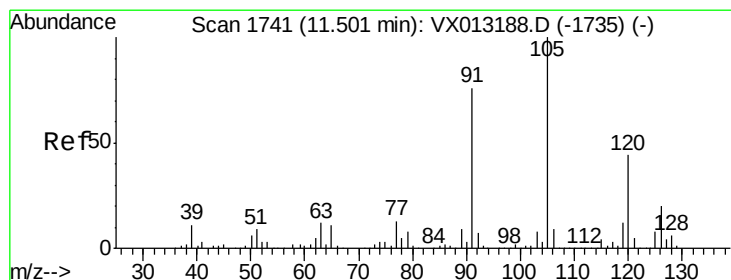
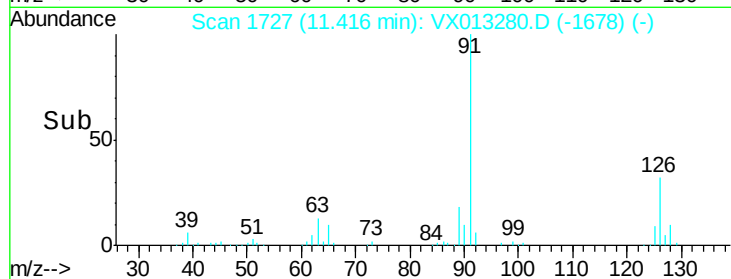
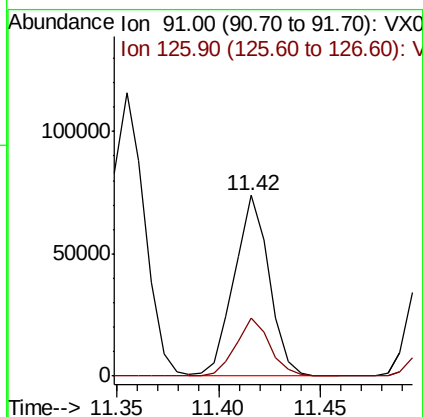
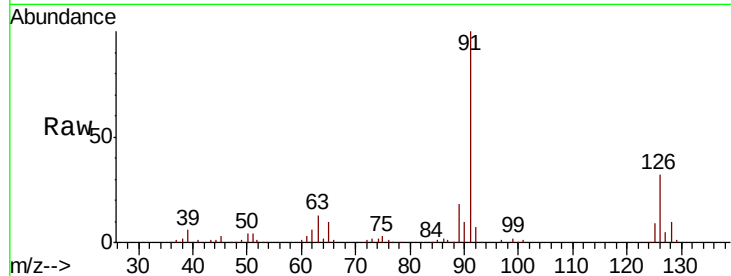




#79
 2-Chlorotoluene
 Concen: 19.930 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX013280.D
 Acq: 30 Oct 2019 12:10

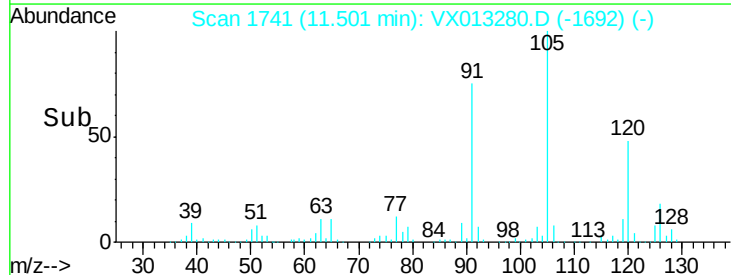
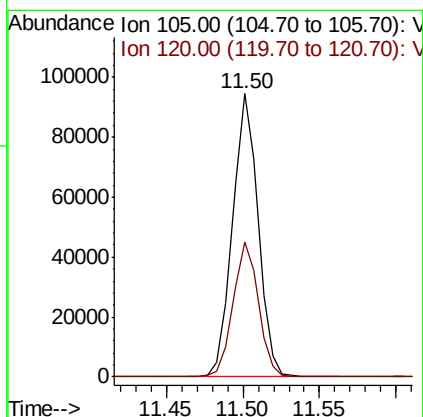
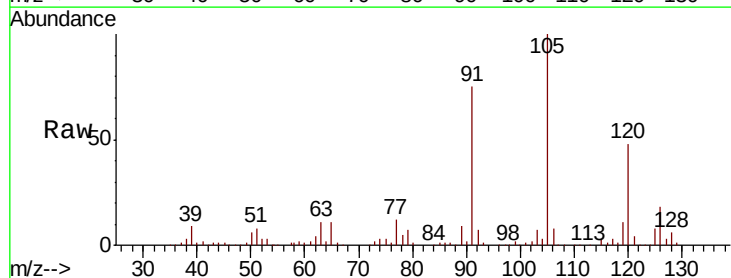
Instrument :
 MSVOA_X
 ClientSampleId :

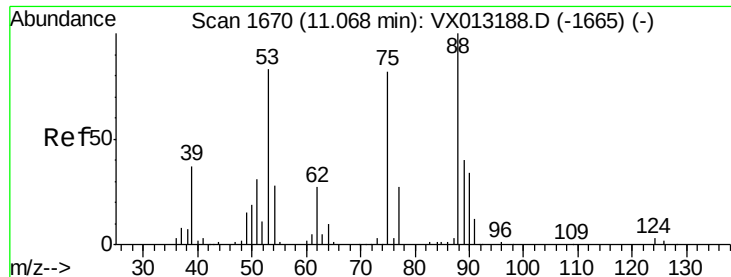
Tot Ion: 91 Resp: 87225
 Ion Ratio Lower Upper
 91 100
 126 31.4 16.3 48.8



#80
 1,3,5-Trimethylbenzene
 Concen: 20.640 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX013280.D
 Acq: 30 Oct 2019 12:10

Tgt Ion: 105 Resp: 109404
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.200 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

ClientSampleId :

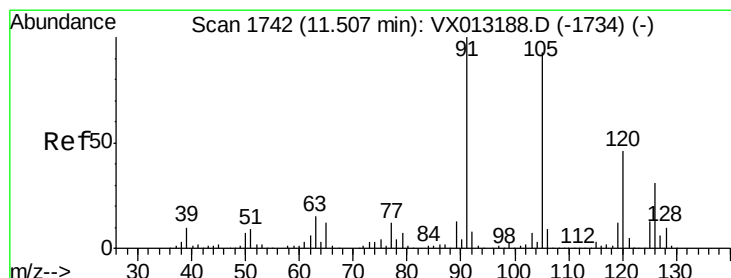
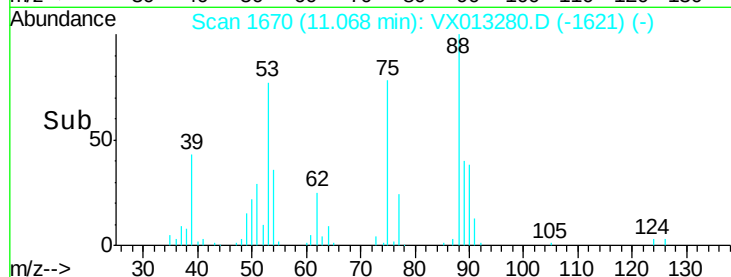
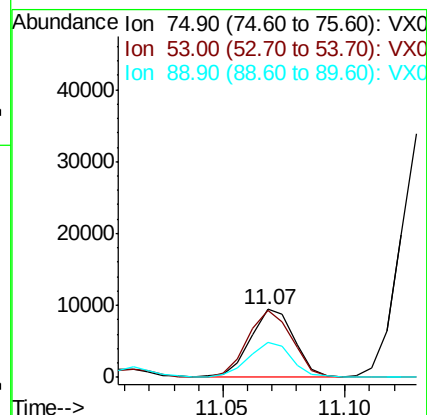
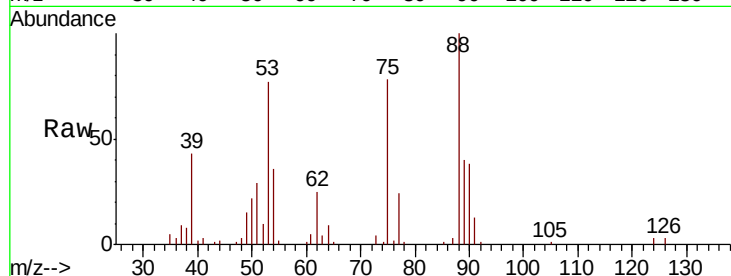
Tot Ion: 75 Resp: 11826

Ion Ratio Lower Upper

75 100

53 100.7 77.9 116.9

89 49.9 37.3 55.9



#82

4-Chlorotoluene

Concen: 19.943 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX013280.D

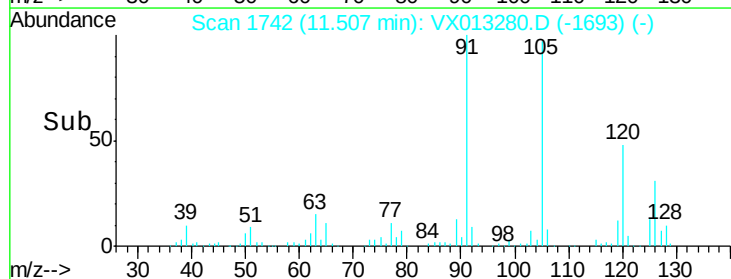
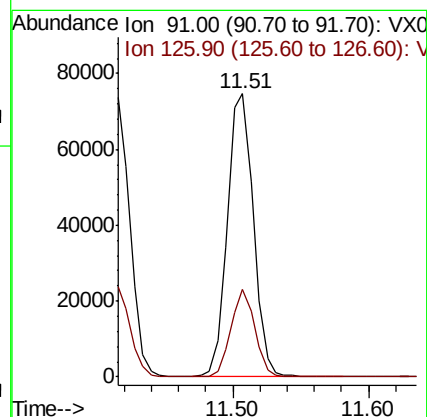
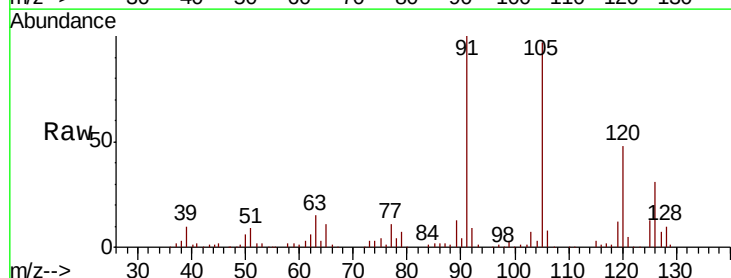
Acq: 30 Oct 2019 12:10

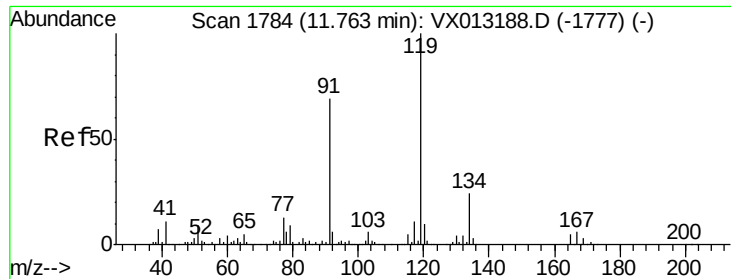
Tgt Ion: 91 Resp: 98898

Ion Ratio Lower Upper

91 100

126 28.7 14.6 44.0

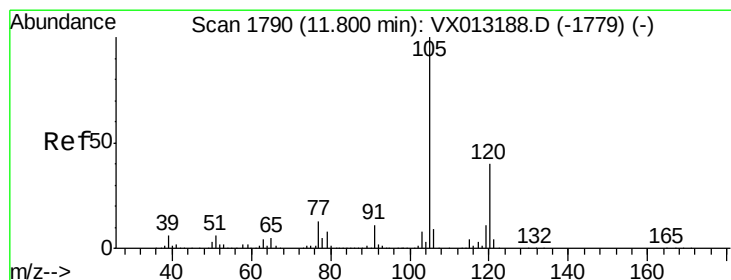
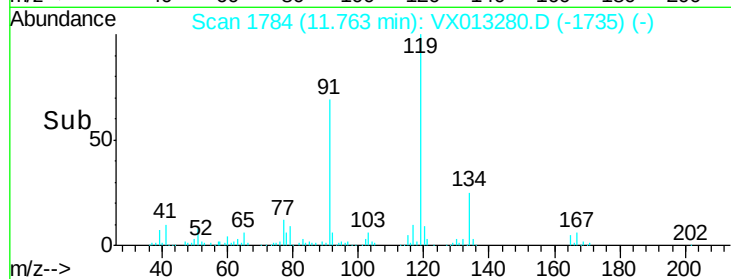
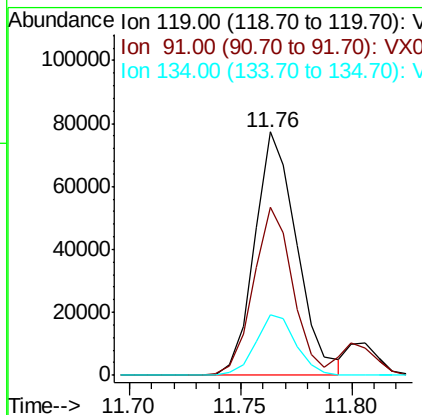
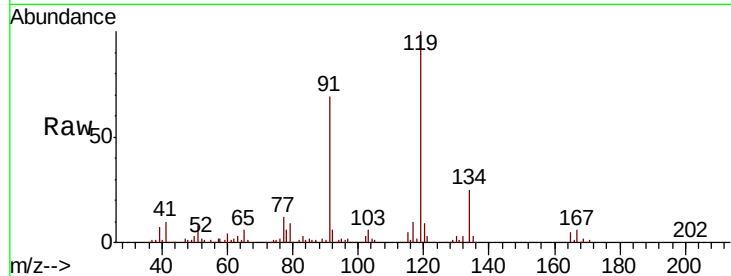




#83
 tert-Butylbenzene
 Concen: 19.405 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX013280.D
 Acq: 30 Oct 2019 12:10

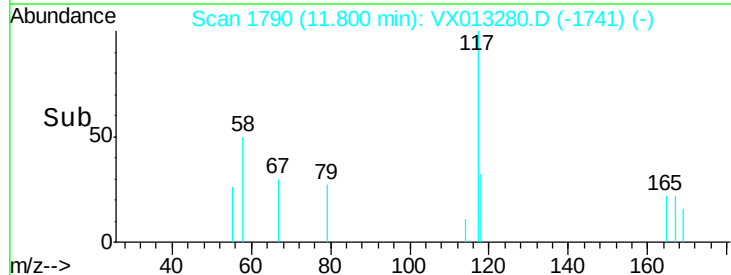
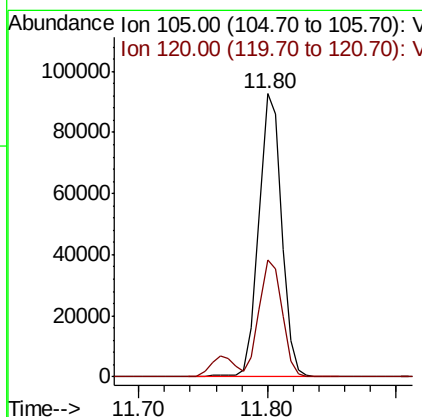
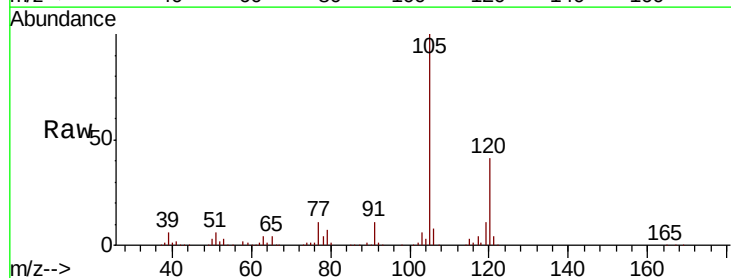
Instrument :
 MSVOA_X
 ClientSampled :

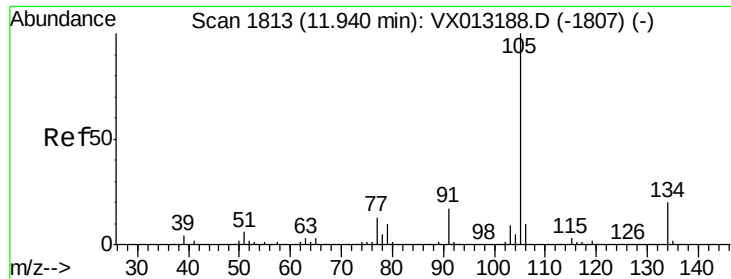
Tot Ion:119 Resp: 101763
 Ion Ratio Lower Upper
 119 100
 91 64.7 30.8 92.4
 134 23.8 11.5 34.5



#84
 1,2,4-Trimethylbenzene
 Concen: 21.088 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX013280.D
 Acq: 30 Oct 2019 12:10

Tgt Ion:105 Resp: 112748
 Ion Ratio Lower Upper
 105 100
 120 41.7 21.4 64.3





#85

sec-Butylbenzene

Concen: 19.781 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

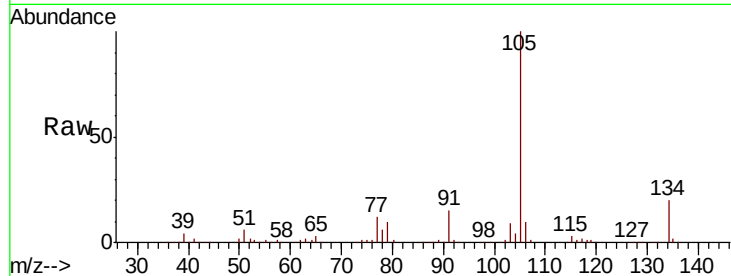
ClientSampled :

Tot Ion:105 Resp: 118046

Ion Ratio Lower Upper

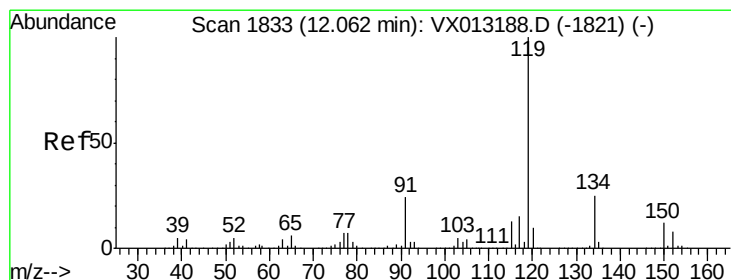
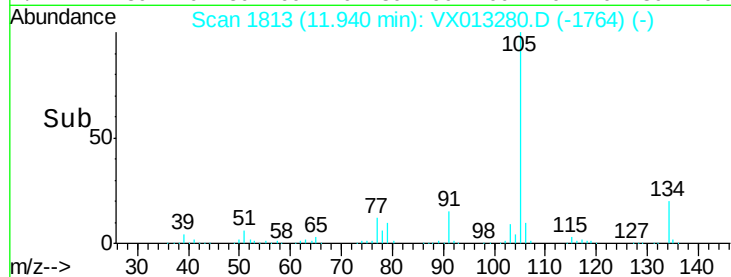
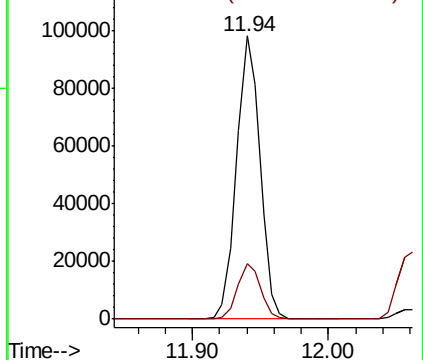
105 100

134 19.6 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.896 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

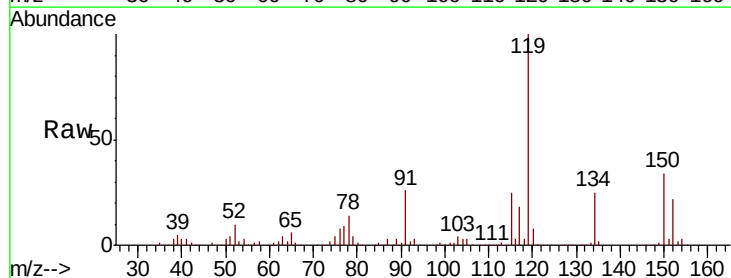
Tgt Ion:119 Resp: 111547

Ion Ratio Lower Upper

119 100

134 25.4 12.5 37.5

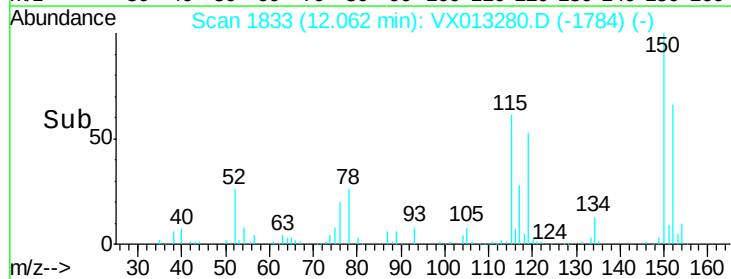
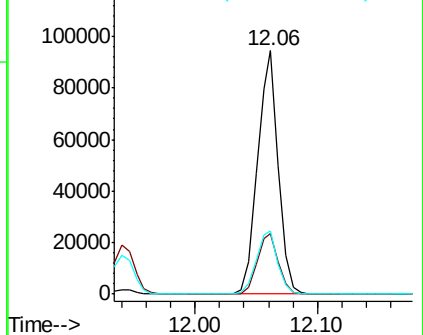
91 26.6 12.4 37.2

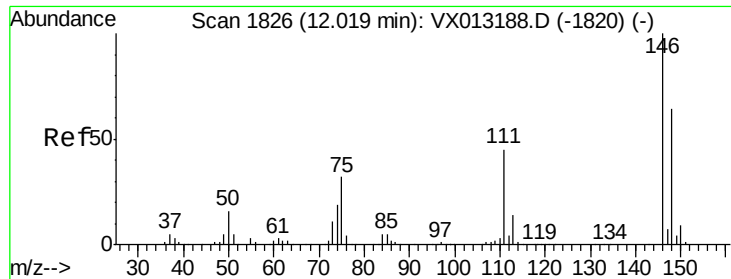


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 19.694 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

ClientSampled :

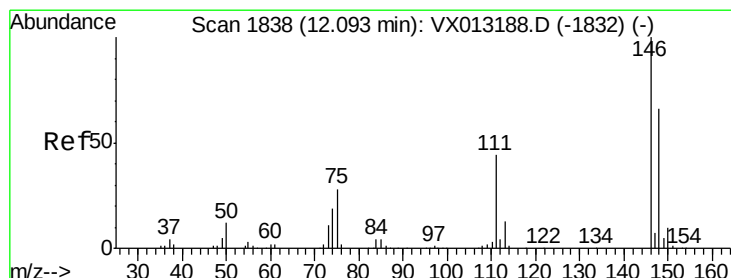
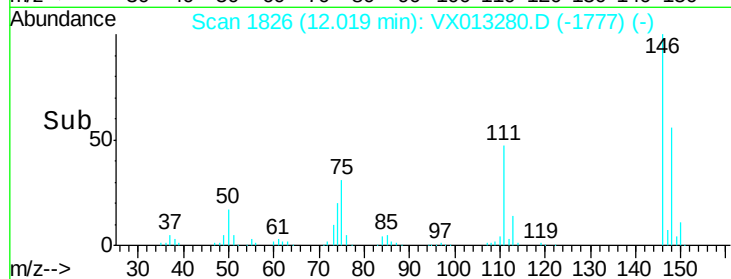
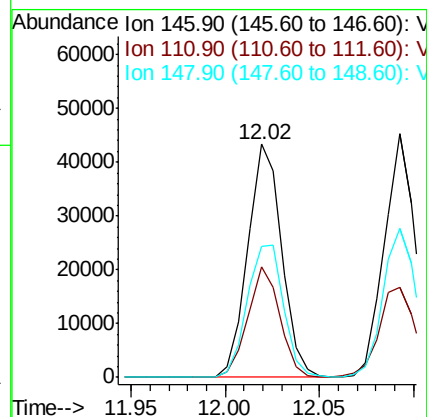
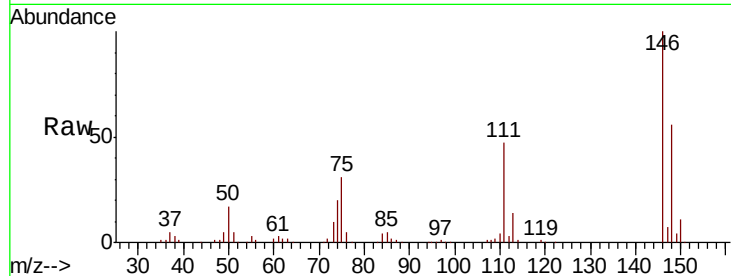
Tot Ion:146 Resp: 54379

Ion Ratio Lower Upper

146 100

111 44.7 21.3 63.9

148 60.7 31.6 94.8



#88

1,4-Dichlorobenzene

Concen: 18.730 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

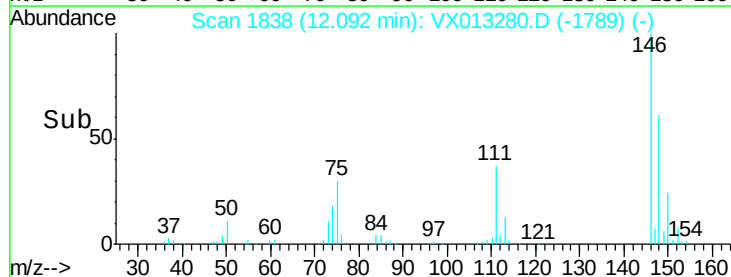
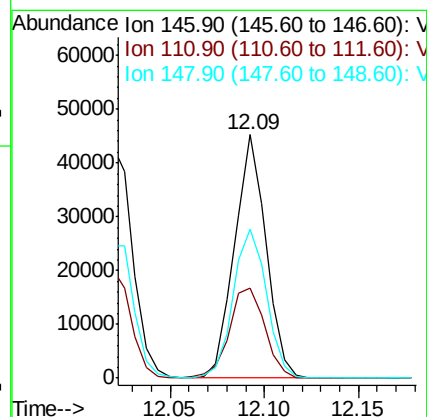
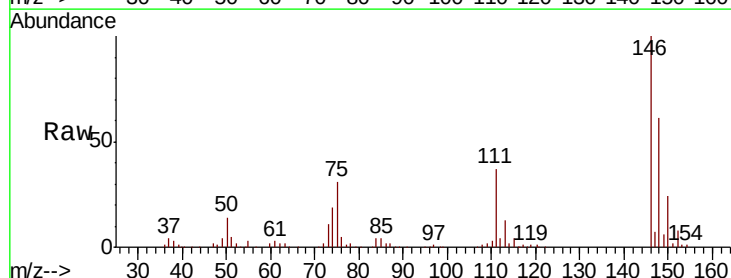
Tgt Ion:146 Resp: 52655

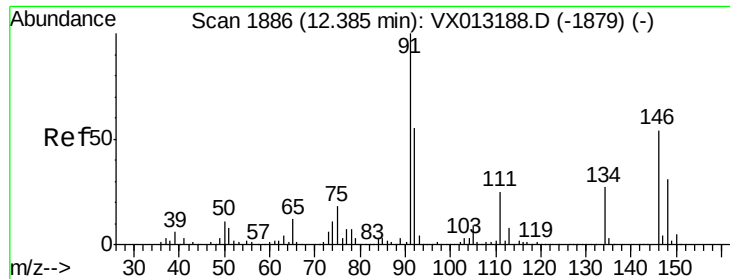
Ion Ratio Lower Upper

146 100

111 42.1 21.3 63.9

148 64.4 32.5 97.5





#89

n-Butylbenzene

Concen: 18.340 ug/l

RT: 12.38 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

ClientSampled :

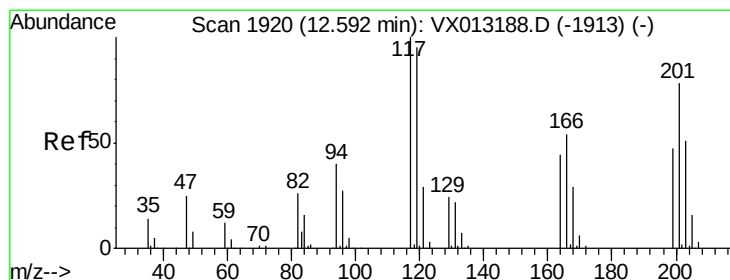
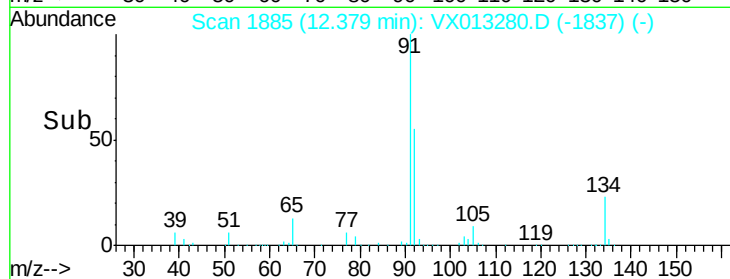
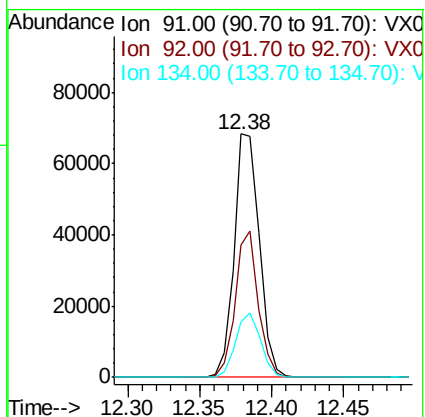
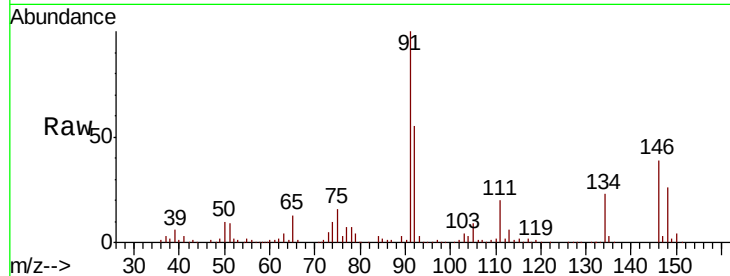
Tot Ion: 91 Resp: 84116

Ion Ratio Lower Upper

91 100

92 54.9 27.7 83.1

134 26.2 13.2 39.6



#90

Hexachloroethane

Concen: 19.594 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VX013280.D

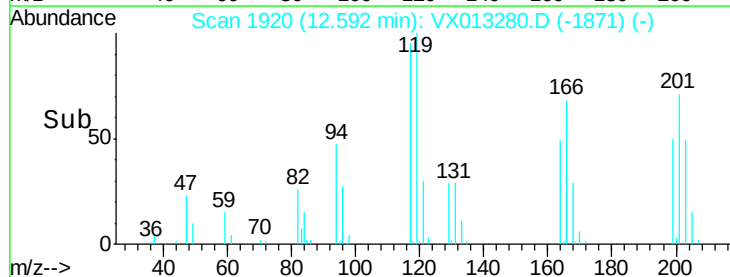
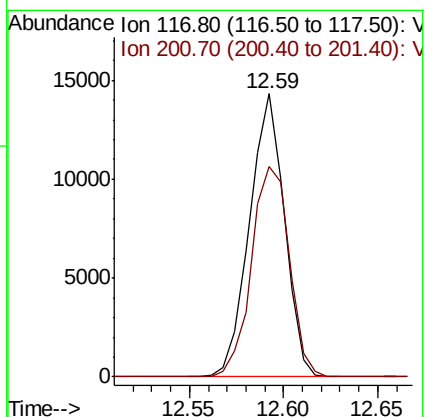
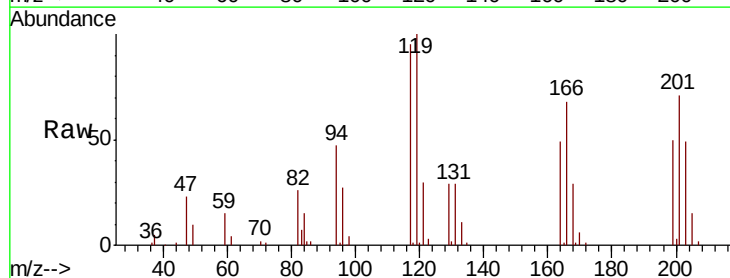
Acq: 30 Oct 2019 12:10

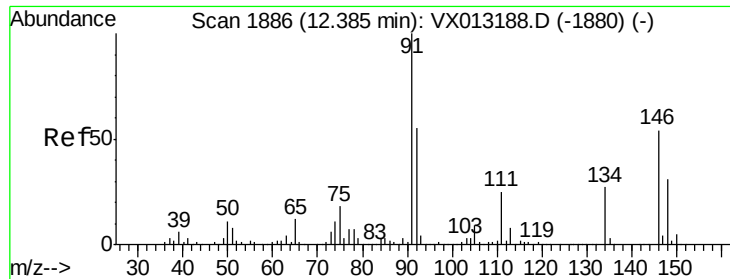
Tgt Ion: 117 Resp: 18397

Ion Ratio Lower Upper

117 100

201 80.6 39.0 116.9

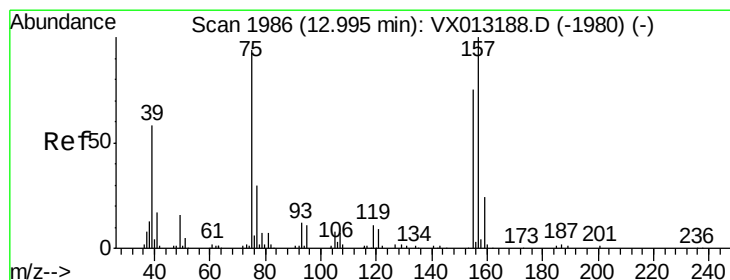
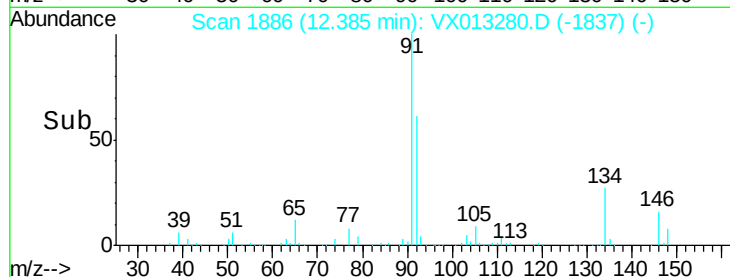
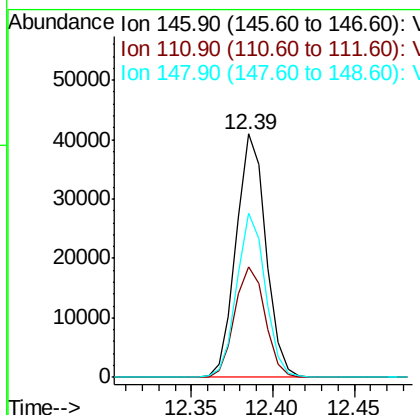
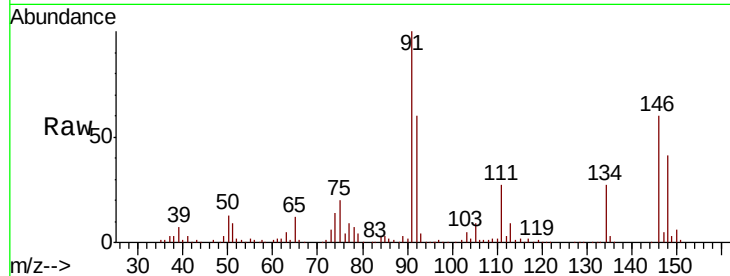




#91
 1,2-Dichlorobenzene
 Concen: 19.150 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013280.D
 Acq: 30 Oct 2019 12:10

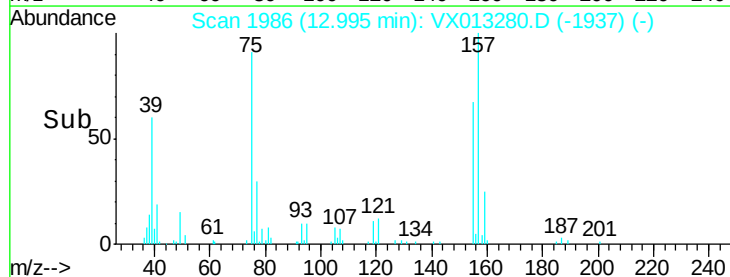
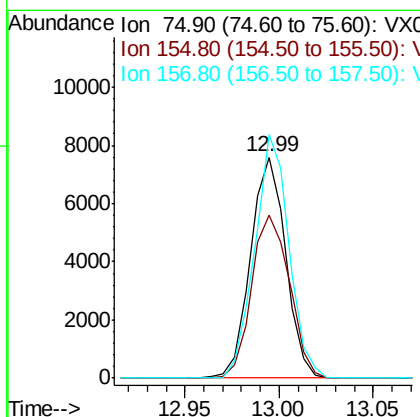
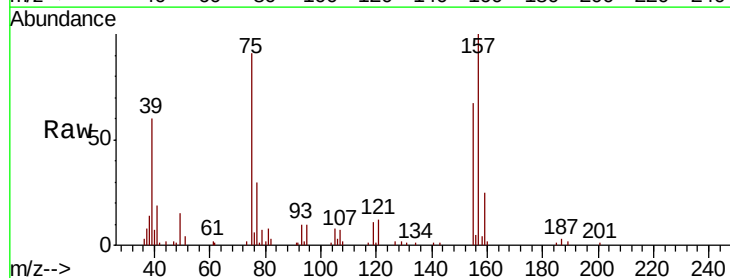
Instrument :
 MSVOA_X
 ClientSampleId :

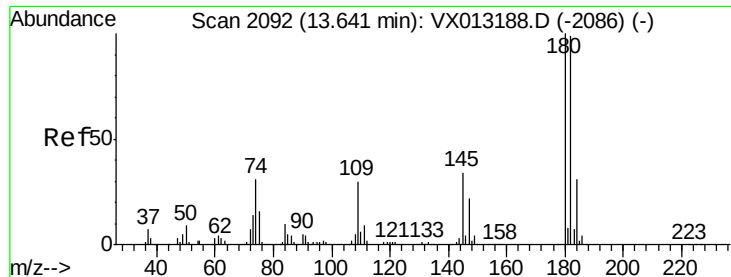
Tot Ion:146 Resp: 51994
 Ion Ratio Lower Upper
 146 100
 111 46.2 22.9 68.8
 148 65.0 31.8 95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.338 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX013280.D
 Acq: 30 Oct 2019 12:10

Tgt Ion: 75 Resp: 9793
 Ion Ratio Lower Upper
 75 100
 155 79.7 42.8 128.4
 157 107.3 54.3 162.8

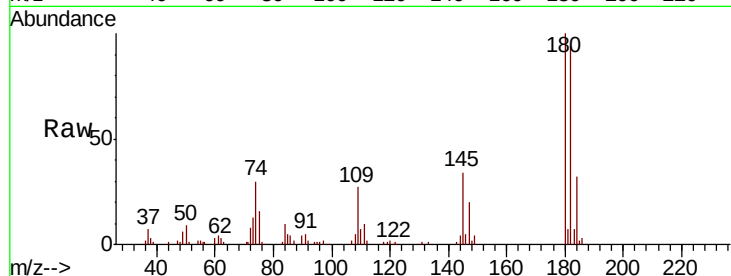




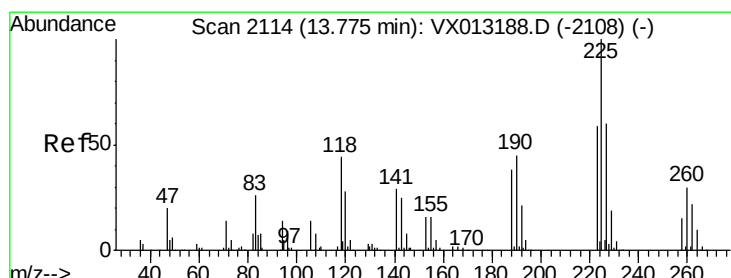
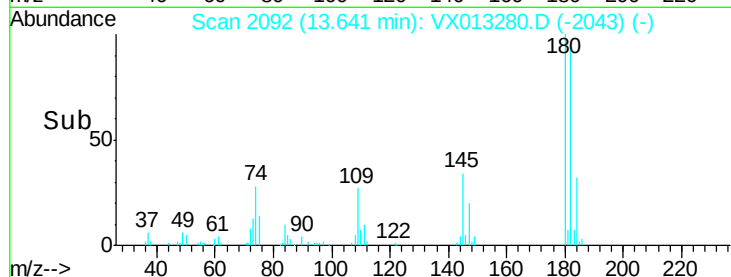
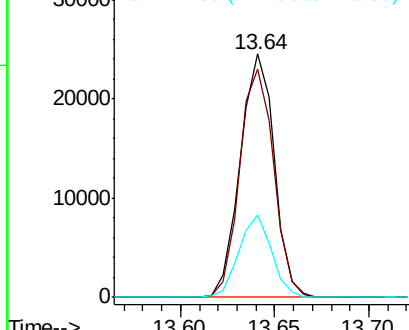
#93
 1,2,4-Trichlorobenzene
 Concen: 17.945 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013280.D
 Acq: 30 Oct 2019 12:10

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	45.9	137.6
145	32.5	15.9	47.6

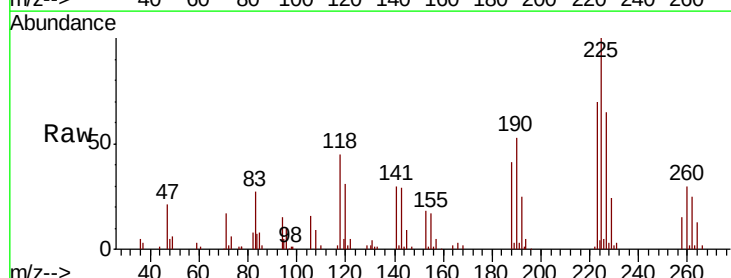


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

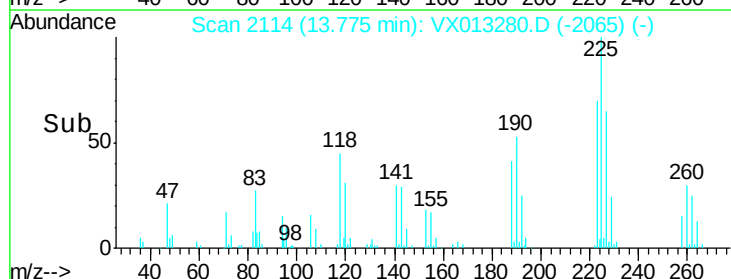
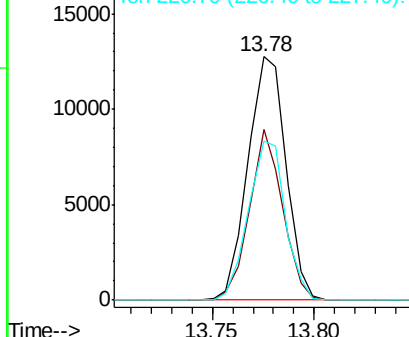


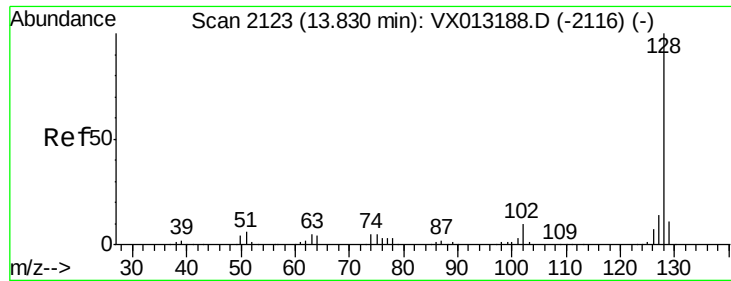
#94
 Hexachlorobutadiene
 Concen: 18.718 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX013280.D
 Acq: 30 Oct 2019 12:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	30.9	92.5
227	63.4	30.3	90.9



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: 19.216 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

ClientSampleId :

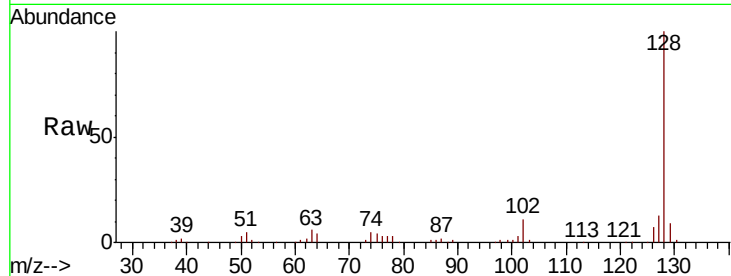
Tot Ion:128 Resp: 100834

Ion Ratio Lower Upper

128 100

127 12.8 10.7 16.1

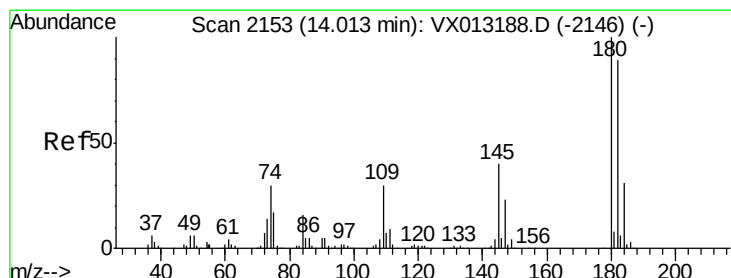
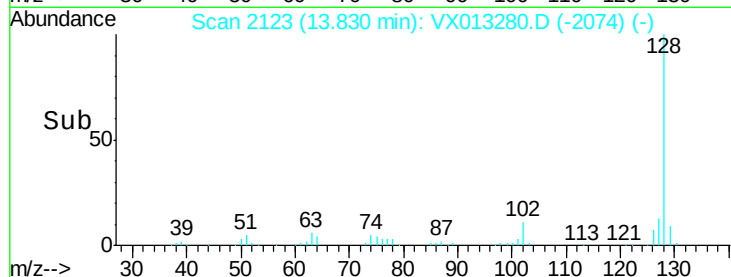
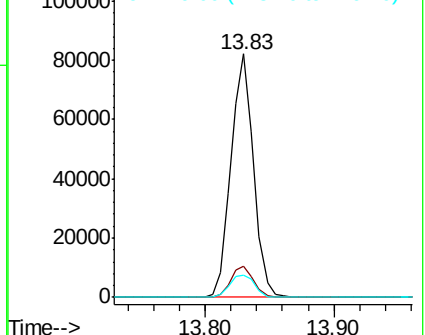
129 10.3 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.675 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

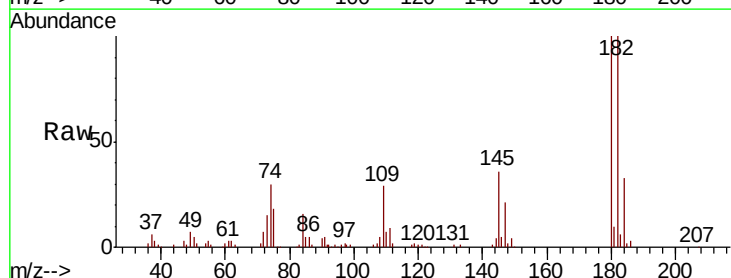
Tgt Ion:180 Resp: 31551

Ion Ratio Lower Upper

180 100

182 95.0 48.3 144.9

145 35.1 18.6 55.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

