

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082819\
 Data File : VX011880.D
 Acq On : 28 Aug 2019 20:39
 Operator : SY/SP
 Sample : MDL03
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 29 11:32:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 28 15:10:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	305410	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	450175	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	420030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	228756	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	157742	58.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.40%	
35) Dibromofluoromethane	5.49	113	140747	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
50) Toluene-d8	8.71	98	548493	53.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.72%	
62) 4-Bromofluorobenzene	11.13	95	213246	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.19	85	5060	2.672	ug/l	88
3) Chloromethane	1.32	50	9204	3.833	ug/l	88
4) Vinyl Chloride	1.40	62	5579	2.547	ug/l	99
5) Bromomethane	1.64	94	4834	3.763	ug/l	98
6) Chloroethane	1.72	64	3266	2.328	ug/l	96
7) Trichlorofluoromethane	1.92	101	8381	2.328	ug/l	99
8) Diethyl Ether	2.18	74	3127	2.848	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.37	101	5818	2.514	ug/l	97
11) Tert butyl alcohol	3.03	59	5472	2.111	ug/l #	93
12) 1,1-Dichloroethene	2.37	96	6068	2.650	ug/l	96
13) Acrolein	2.28	56	3165	30.976	ug/l #	62
14) Allyl chloride	2.72	41	9788	2.531	ug/l	97
15) Acrylonitrile	3.14	53	8227	14.099	ug/l	95
16) Acetone	2.43	43	67178	70.495	ug/l	97
17) Carbon Disulfide	2.56	76	16043	2.321	ug/l	99
18) Methyl Acetate	2.76	43	11786	Below Cal		97
19) Methyl tert-butyl Ether	3.18	73	17331	2.785	ug/l	98
20) Methylene Chloride	2.85	84	14693	3.837	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	7024	2.713	ug/l	94
22) Diisopropyl ether	3.85	45	21251	2.768	ug/l	95
23) Vinyl Acetate	3.81	43	36939	10.932	ug/l	97
24) 1,1-Dichloroethane	3.68	63	11086	2.449	ug/l #	93
25) 2-Butanone	4.67	43	12719	16.019	ug/l	96
26) 2,2-Dichloropropane	4.58	77	6932	1.878	ug/l	92
27) cis-1,2-Dichloroethene	4.59	96	7356	2.490	ug/l	86
28) Bromochloromethane	5.01	49	5613	2.761	ug/l	97
29) Tetrahydrofuran	5.13	42	7978	16.979	ug/l	95
30) Chloroform	5.20	83	14151	2.987	ug/l	96
31) Cyclohexane	5.57	56	9050	2.296	ug/l	87
32) 1,1,1-Trichloroethane	5.49	97	9960	2.338	ug/l	96
36) 1,1-Dichloropropene	5.80	75	8641	2.334	ug/l	98
37) Ethyl Acetate	4.83	43	4344	2.790	ug/l #	81
38) Carbon Tetrachloride	5.77	117	7349	2.037	ug/l	90
39) Methylcyclohexane	7.46	83	10563	2.334	ug/l	95

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Quant Time: Aug 29 11:32:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 28 15:10:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	6.14	78	26230	2.456	ug/l	99
41) Methacrylonitrile	5.04	41	2857	2.705	ug/l	89
42) 1,2-Dichloroethane	6.19	62	9234	2.723	ug/l	88
43) Isopropyl Acetate	6.44	43	7662	2.505	ug/l #	93
44) Trichloroethene	7.21	130	9383	2.613	ug/l	98
45) 1,2-Dichloropropane	7.51	63	6256	2.354	ug/l	99
46) Dibromomethane	7.66	93	4278	2.717	ug/l	96
47) Bromodichloromethane	7.89	83	8434	2.278	ug/l	99
48) Methyl methacrylate	7.77	41	3773	2.466	ug/l	95
49) 1,4-Dioxane	7.74	88	1749	106.101	ug/l #	86
51) 4-Methyl-2-Pentanone	8.63	43	34896	28.319	ug/l	100
52) Toluene	8.78	92	16867	2.450	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	6284	1.992	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	8582	2.155	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	5131	2.501	ug/l	92
56) Ethyl methacrylate	9.18	69	4879	2.439	ug/l	93
57) 1,3-Dichloropropane	9.37	76	8215	2.409	ug/l	91
58) 2-Chloroethyl Vinyl ether	8.31	63	6457	35.543	ug/l	94
59) 2-Hexanone	9.49	43	25829	32.800	ug/l	99
60) Dibromochloromethane	9.58	129	6033	2.209	ug/l	96
61) 1,2-Dibromoethane	9.67	107	5066	2.522	ug/l	96
64) Tetrachloroethene	9.33	164	10265	2.511	ug/l	97
65) Chlorobenzene	10.13	112	20024	2.574	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	5994	2.100	ug/l #	66
67) Ethyl Benzene	10.25	91	34291	2.566	ug/l	98
68) m/p-Xylenes	10.35	106	26813	5.272	ug/l	97
69) o-Xylene	10.69	106	13423	2.805	ug/l	97
70) Stvrene	10.71	104	20862	2.636	ug/l	99
71) Bromoform	10.85	173	3986	2.156	ug/l #	96
73) Isopropylbenzene	11.01	105	40454	3.062	ug/l	99
74) N-amyl acetate	6.44	43	7662	2.303	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	11.26	83	4942	2.236	ug/l	86
76) 1,2,3-Trichloropropane	11.29	75	4144	2.359	ug/l	99
77) Bromobenzene	11.25	156	10212	2.773	ug/l	97
78) n-propylbenzene	11.35	91	49151	3.382	ug/l	99
79) 2-Chlorotoluene	11.42	91	25291	2.777	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	34937	3.152	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.13	75	106037	222.146	ug/l #	13
82) 4-Chlorotoluene	11.51	91	31109	2.947	ug/l	100
83) tert-Butylbenzene	11.77	119	35765	3.472	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	38055	3.620	ug/l	97
85) sec-Butylbenzene	11.94	105	48607	4.062	ug/l	100
86) p-Isopropyltoluene	12.06	119	46792	4.246	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	20540	3.106	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	21558	3.366	ug/l	92
89) n-Butylbenzene	12.38	91	44569	4.875	ug/l	100
90) Hexachloroethane	12.59	117	3110	1.758	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	20108	3.562	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	807	2.593	ug/l	98
93) 1,2,4-Trichlorobenzene	13.64	180	20603	5.259	ug/l	98

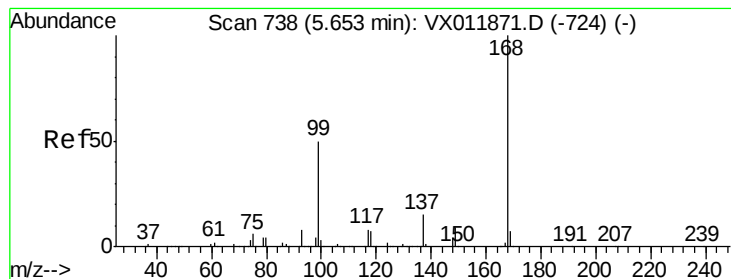
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Quant Title : SW846 8260
QLast Update : Wed Aug 28 15:10:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	13114	4.591	ug/l	96
95) Naphthalene	13.83	128	31978	6.788	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	18877	5.938	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.00 min

Lab File: VX011880.D

Acq: 28 Aug 2019 20:39

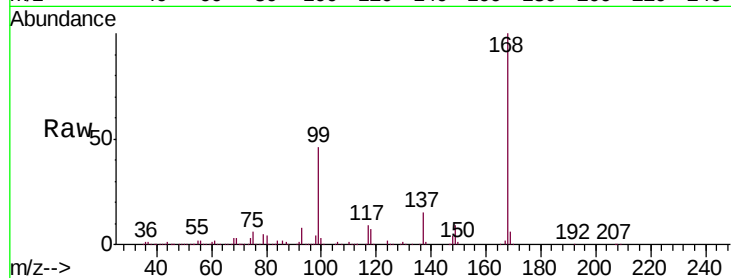
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 305410

Ion Ratio Lower Upper

168 100

99 46.1 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

120000

100000

80000

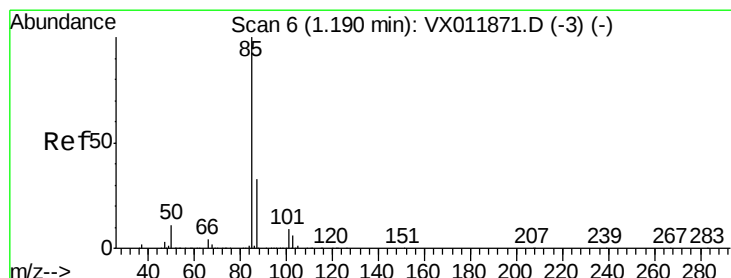
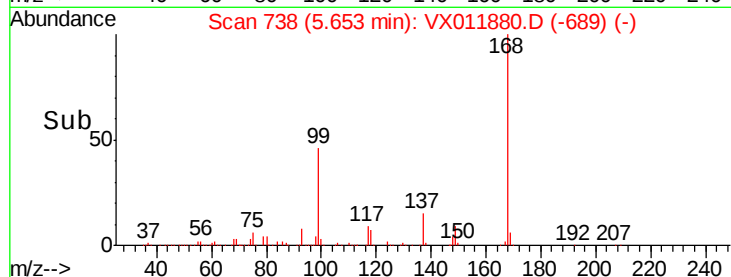
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 2.672 ug/l

RT: 1.19 min Scan# 6

Delta R.T. -0.00 min

Lab File: VX011880.D

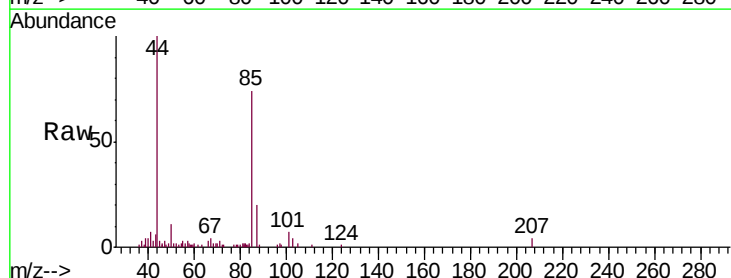
Acq: 28 Aug 2019 20:39

Tgt Ion: 85 Resp: 5060

Ion Ratio Lower Upper

85 100

87 26.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

6000

5000

4000

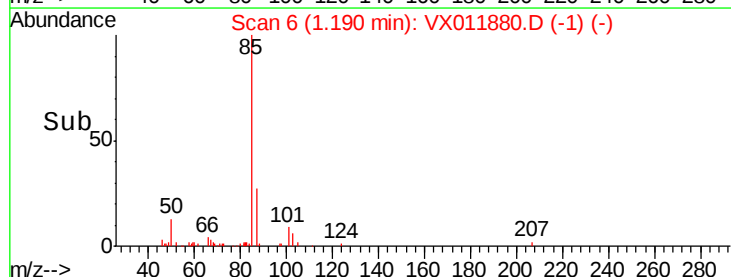
3000

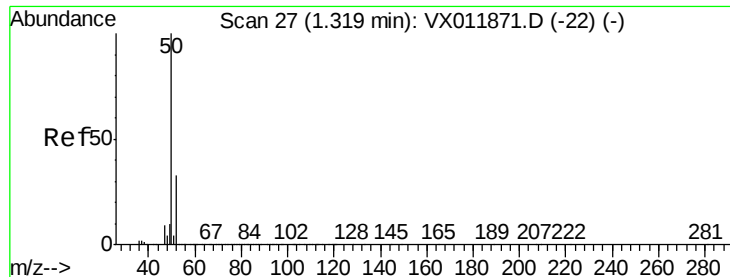
2000

1000

0

Time-->





#3

Chloromethane

Concen: 3.833 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.00 min

Lab File: VX011880.D

Acq: 28 Aug 2019 20:39

Instrument :

MSVOA_X

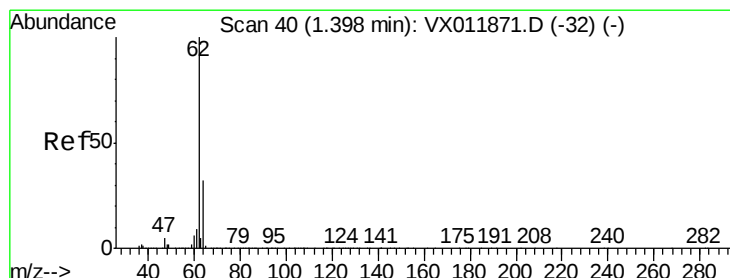
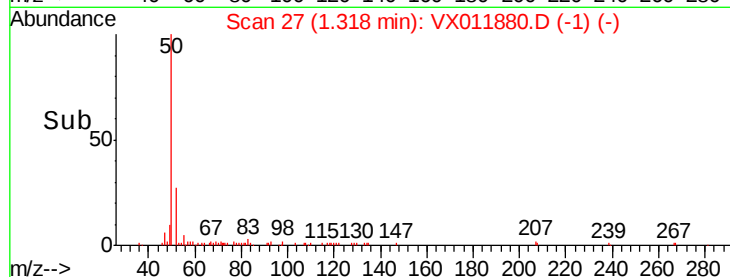
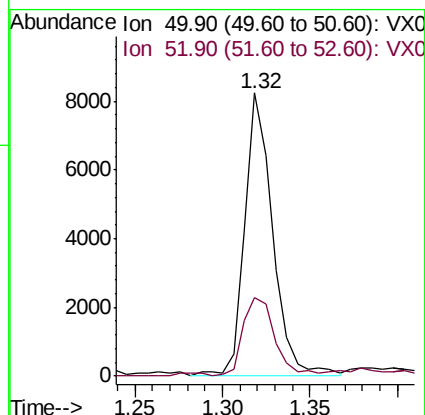
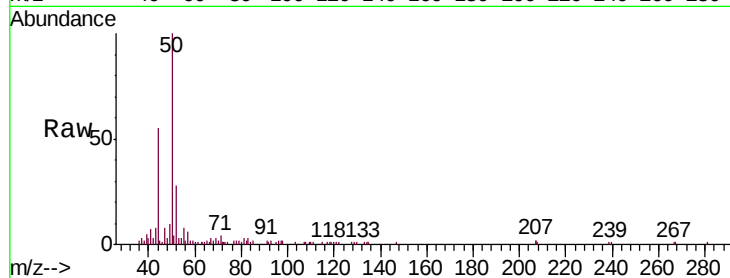
ClientSampleId :

Tot Ion: 50 Resp: 9204

Ion Ratio Lower Upper

50 100

52 26.5 26.5 39.7



#4

Vinyl Chloride

Concen: 2.547 ug/l

RT: 1.40 min Scan# 40

Delta R.T. -0.00 min

Lab File: VX011880.D

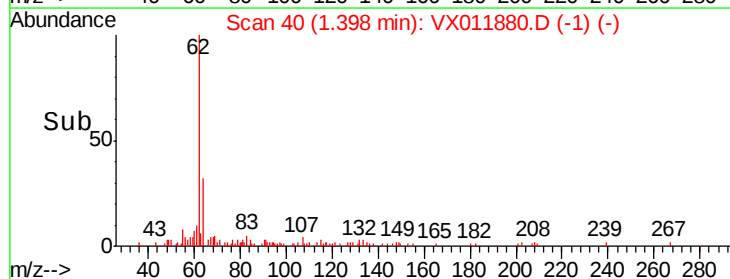
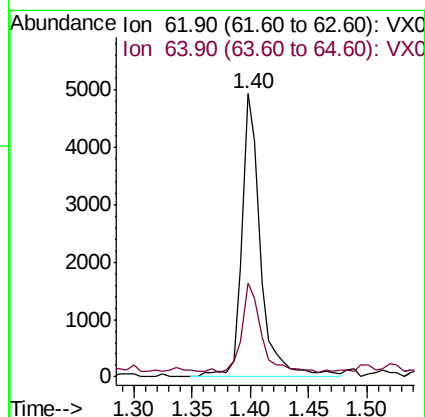
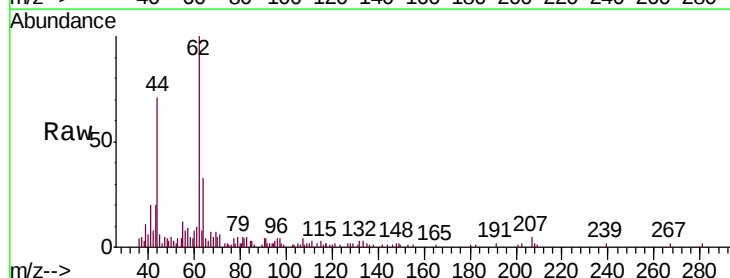
Acq: 28 Aug 2019 20:39

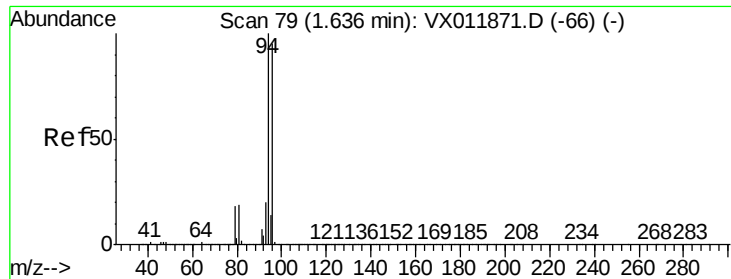
Tgt Ion: 62 Resp: 5579

Ion Ratio Lower Upper

62 100

64 30.9 25.3 37.9





#5

Bromomethane

Concen: 3.763 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX011880.D

Acq: 28 Aug 2019 20:39

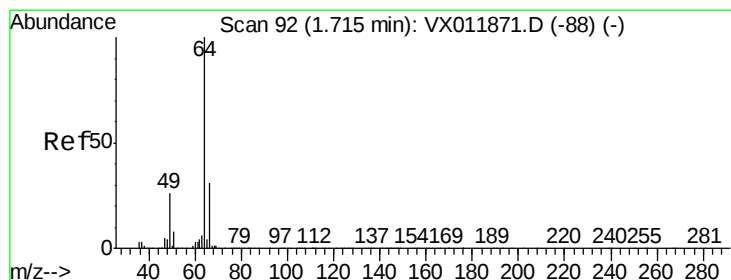
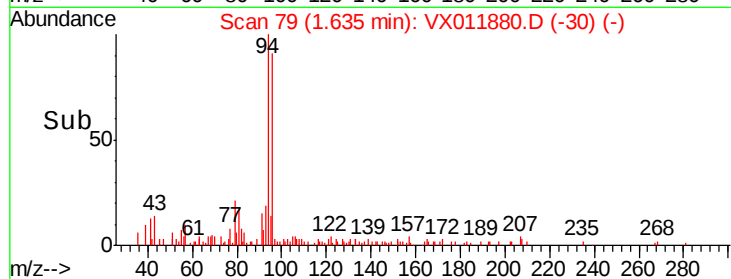
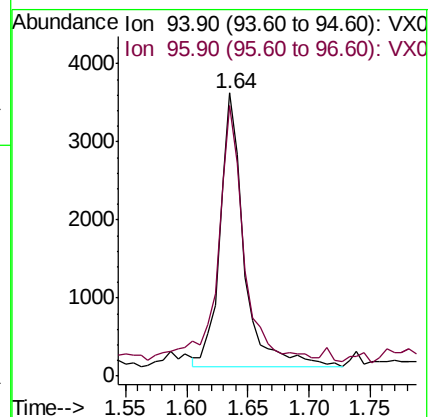
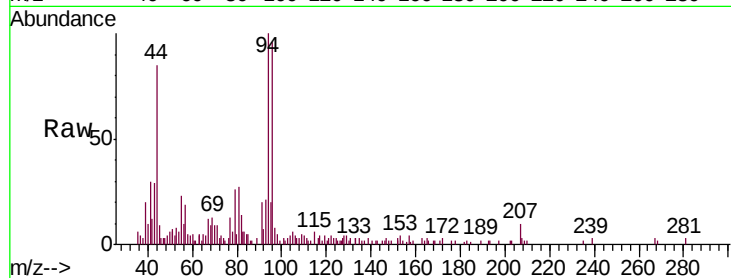
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 94 Resp: 4834

Ion Ratio Lower Upper

94 100

96 93.5 76.0 114.0



#6

Chloroethane

Concen: 2.328 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX011880.D

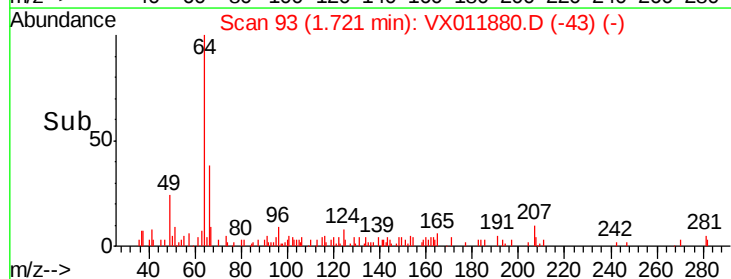
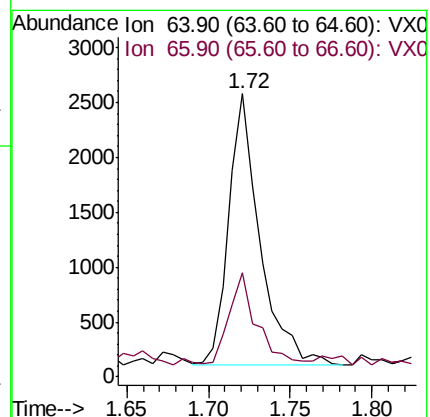
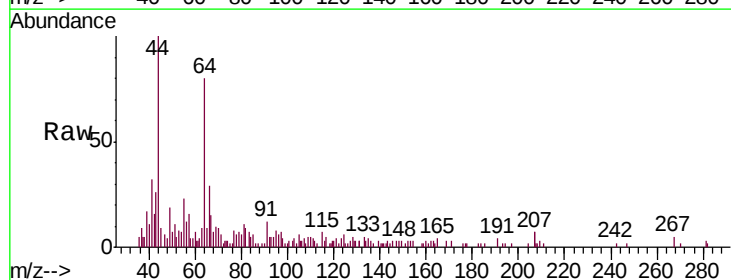
Acq: 28 Aug 2019 20:39

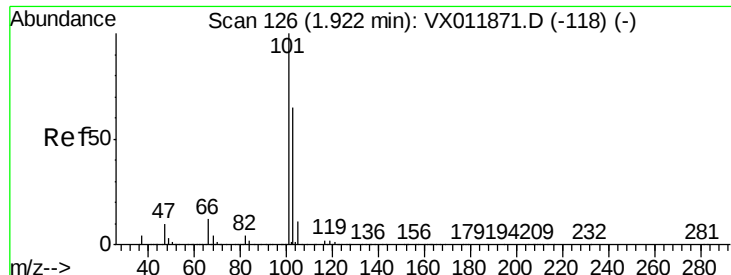
Tgt Ion: 64 Resp: 3266

Ion Ratio Lower Upper

64 100

66 33.2 25.0 37.4



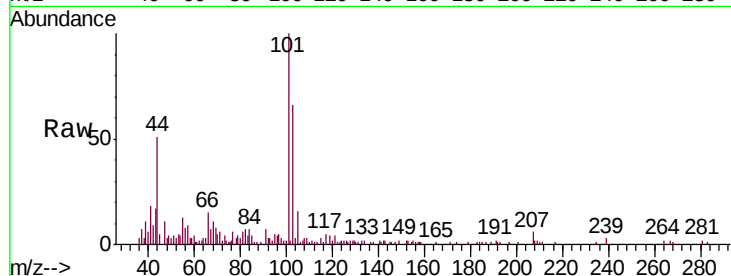


#7

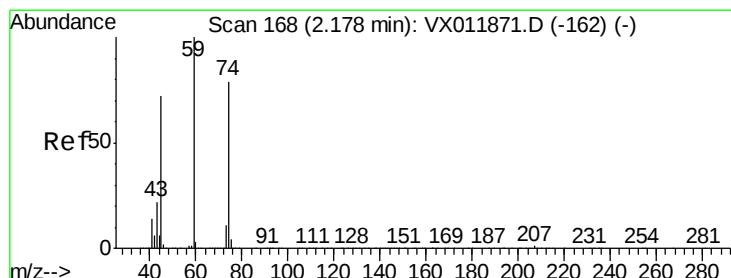
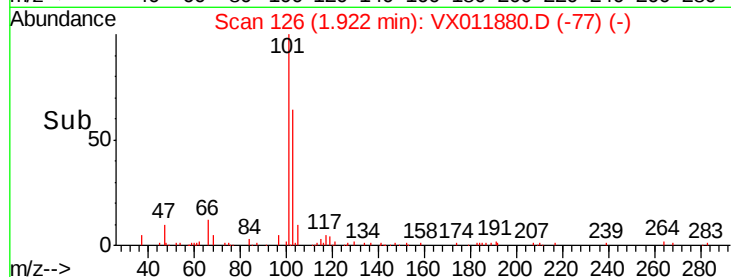
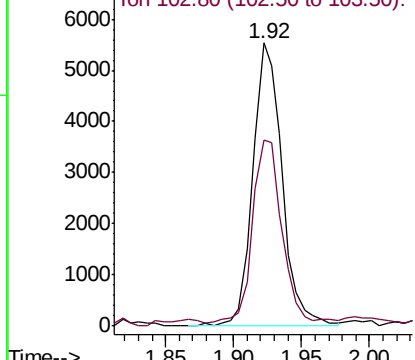
Trichlorofluoromethane
Concen: 2.328 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX011880.D
Acq: 28 Aug 2019 20:39

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:101 Resp: 8381
Ion Ratio Lower Upper
101 100
103 63.7 51.8 77.8



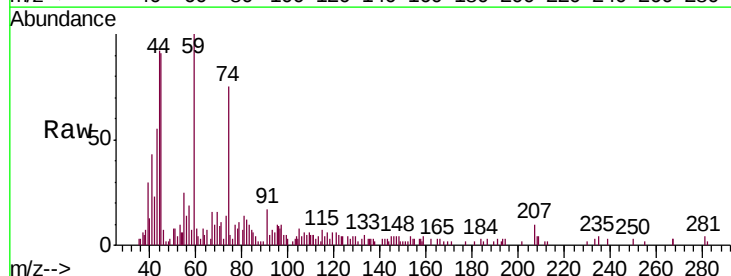
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



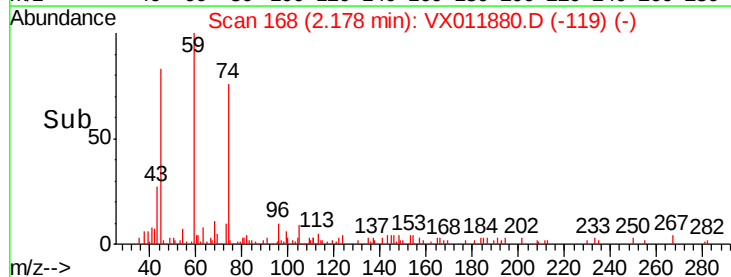
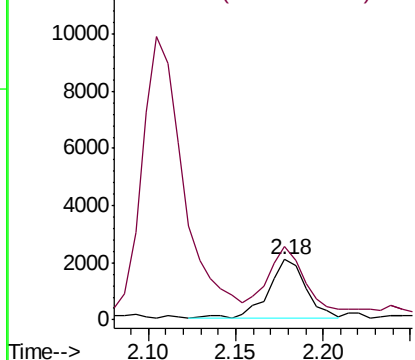
#8

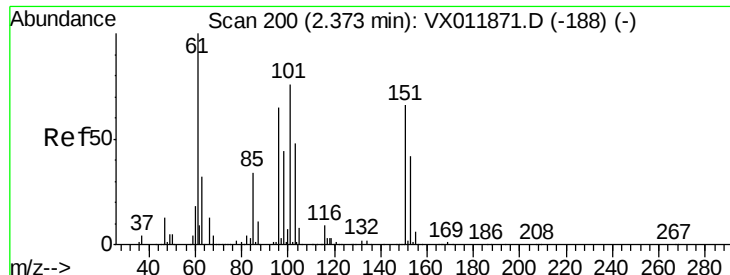
Diethyl Ether
Concen: 2.848 ug/l
RT: 2.18 min Scan# 168
Delta R.T. -0.00 min
Lab File: VX011880.D
Acq: 28 Aug 2019 20:39

Tgt Ion: 74 Resp: 3127
Ion Ratio Lower Upper
74 100
45 99.6 47.1 141.3



Abundance Ion 74.00 (73.70 to 74.70): VX0
Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.514 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX011880.D

Acq: 28 Aug 2019 20:39

Instrument :

MSVOA_X

ClientSampleId :

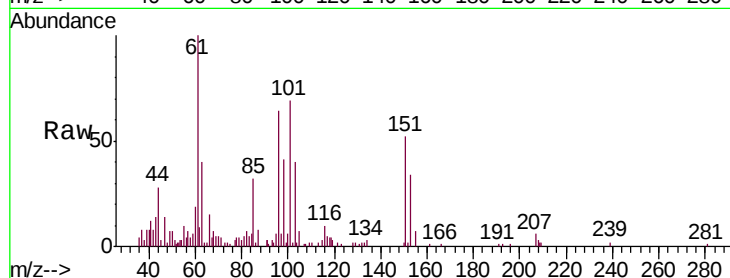
Tot Ion:101 Resp: 5818

Ion Ratio Lower Upper

101 100

85 45.9 34.5 51.7

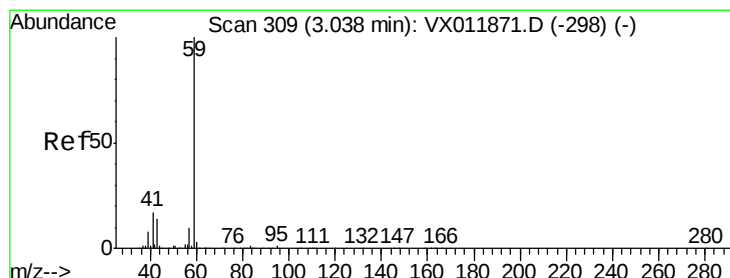
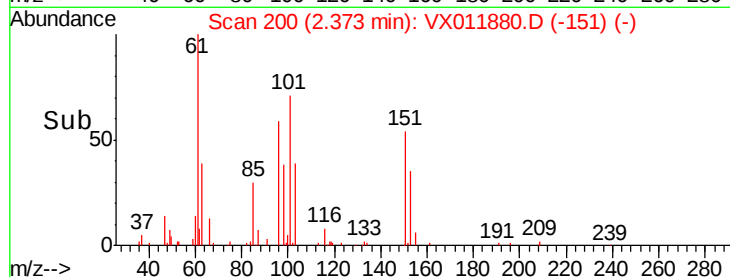
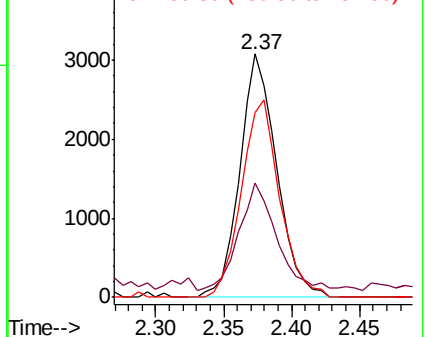
151 84.6 69.4 104.2



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



#11

Tert butyl alcohol

Concen: 2.111 ug/l

RT: 3.03 min Scan# 308

Delta R.T. -0.01 min

Lab File: VX011880.D

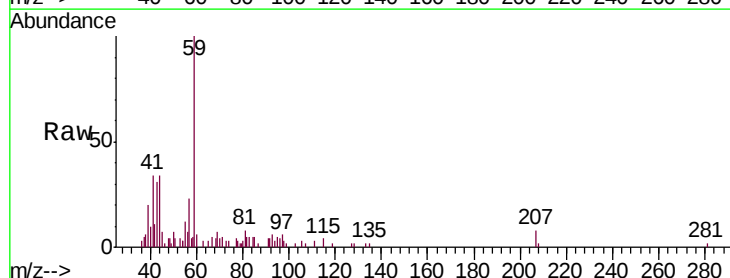
Acq: 28 Aug 2019 20:39

Tgt Ion: 59 Resp: 5472

Ion Ratio Lower Upper

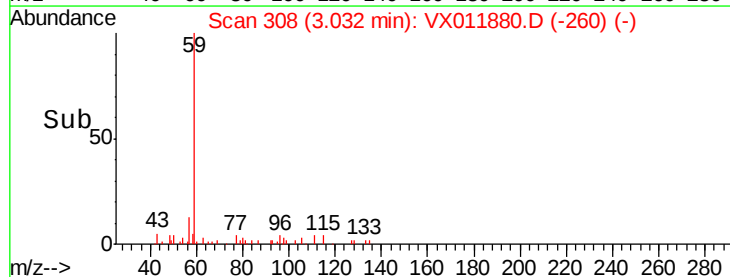
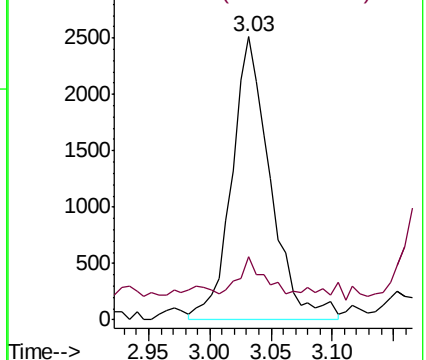
59 100

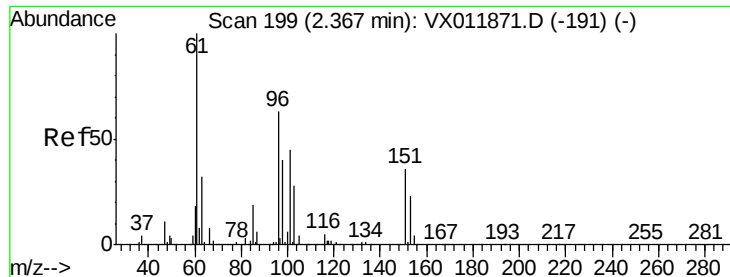
57 7.7 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 2.650 ug/l

RT: 2.37 min Scan# 199

Delta R.T. -0.00 min

Lab File: VX011880.D

Acq: 28 Aug 2019 20:39

Instrument :
MSVOA_X
ClientSampleId :

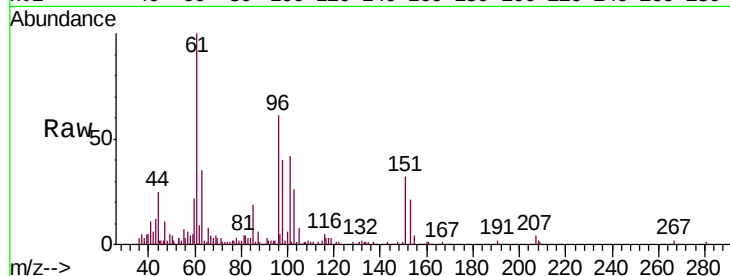
Tot Ion: 96 Resp: 6068

Ion Ratio Lower Upper

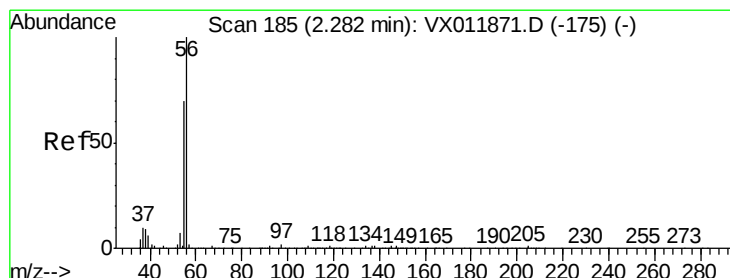
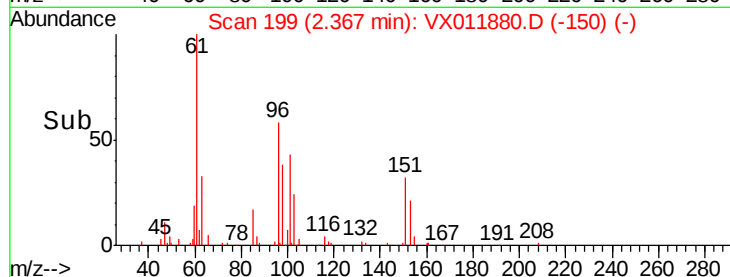
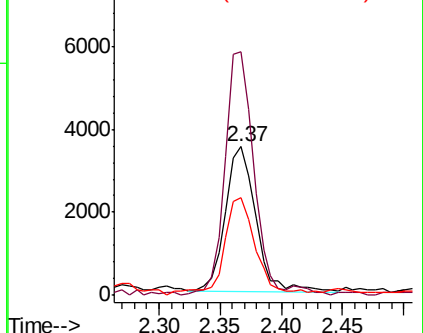
96 100

61 167.1 128.0 192.0

98 63.4 51.4 77.2



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



#13

Acrolein

Concen: 30.976 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.00 min

Lab File: VX011880.D

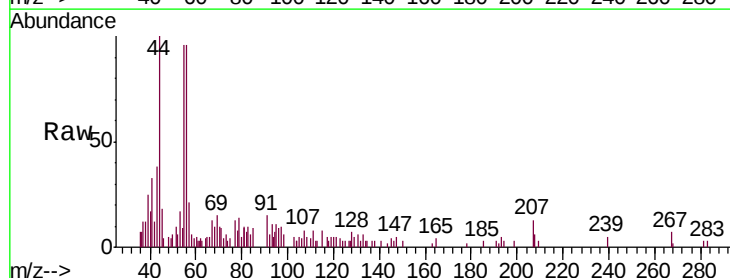
Acq: 28 Aug 2019 20:39

Tgt Ion: 56 Resp: 3165

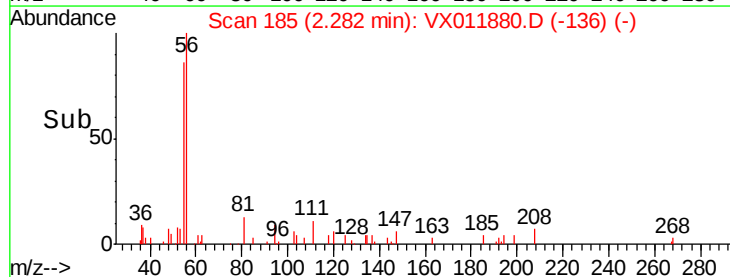
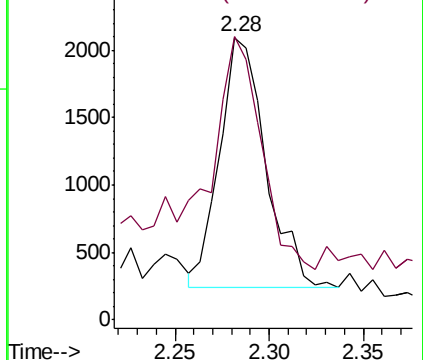
Ion Ratio Lower Upper

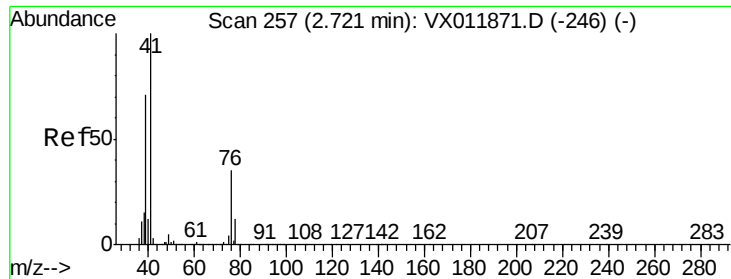
56 100

55 107.6 60.2 90.4#



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

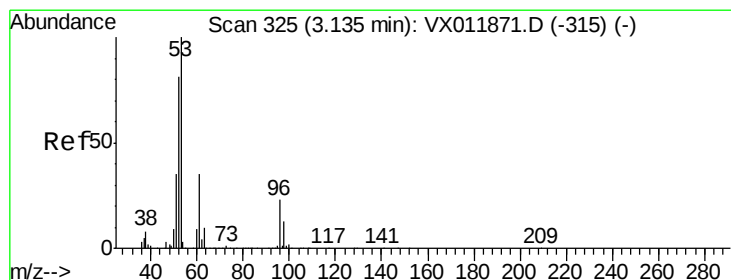
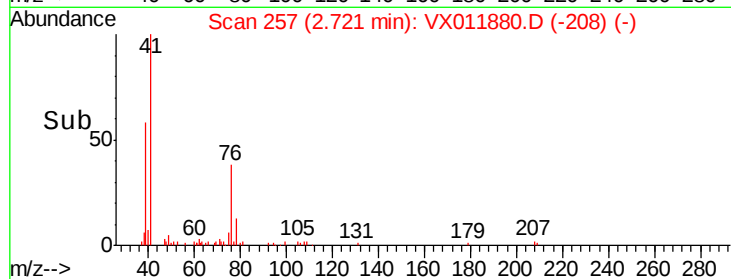
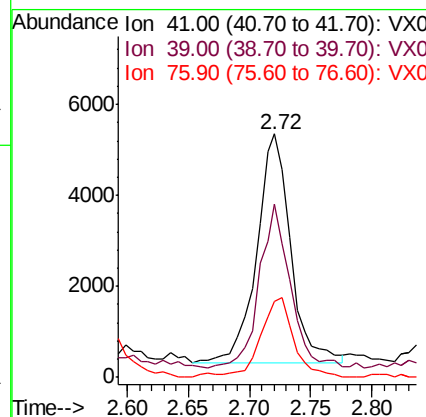
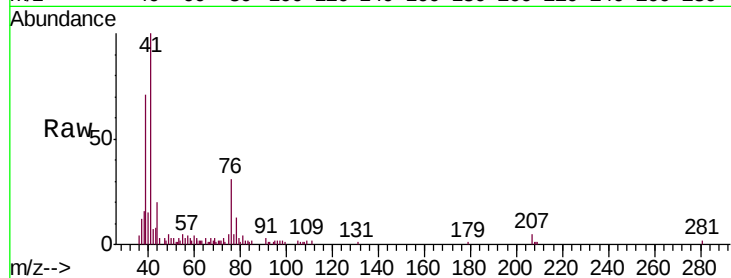




#14
Allvl chloride
Concen: 2.531 ug/l
RT: 2.72 min Scan# 257
Delta R.T. -0.00 min
Lab File: VX011880.D
Acq: 28 Aug 2019 20:39

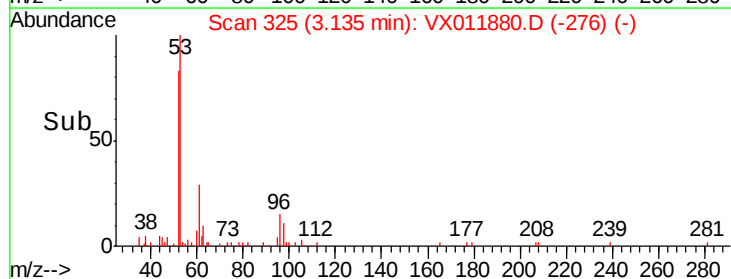
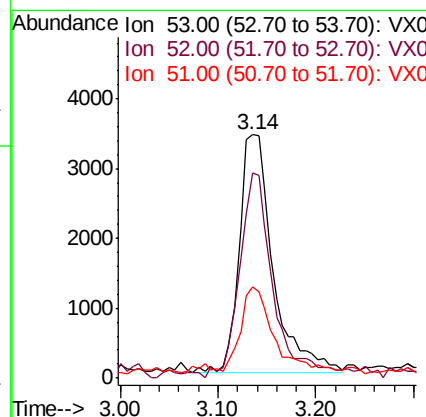
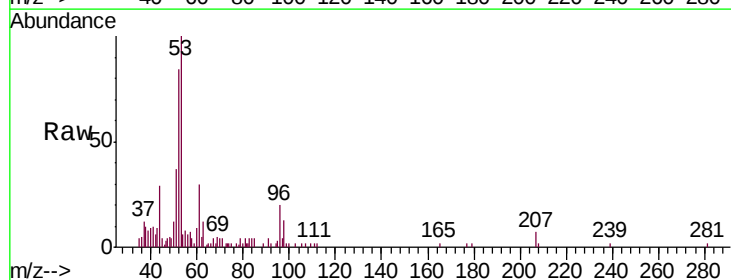
Instrument :
MSVOA_X
ClientSampleId :

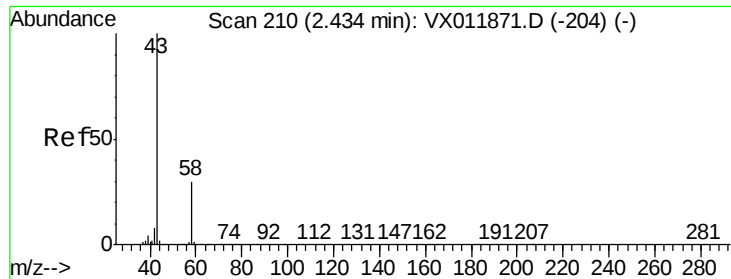
Tot Ion: 41 Resp: 9788
Ion Ratio Lower Upper
41 100
39 65.6 54.6 82.0
76 33.2 27.1 40.7



#15
Acrylonitrile
Concen: 14.099 ug/l
RT: 3.14 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX011880.D
Acq: 28 Aug 2019 20:39

Tgt Ion: 53 Resp: 8227
Ion Ratio Lower Upper
53 100
52 85.8 65.3 97.9
51 33.8 29.1 43.7

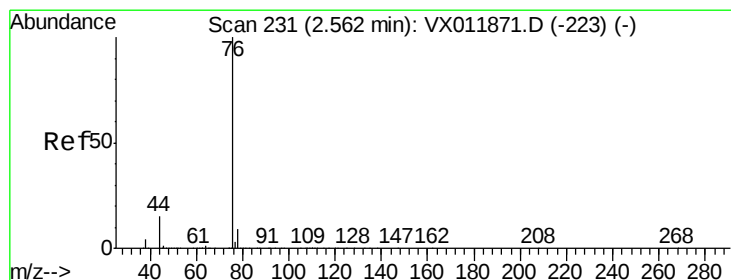
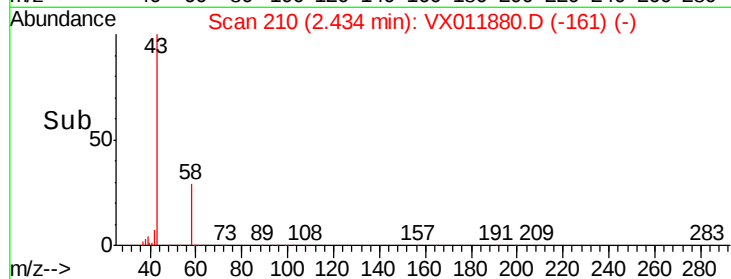
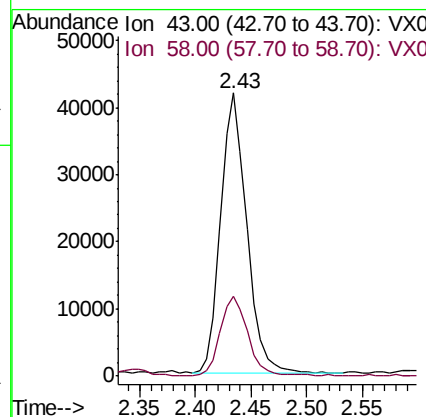
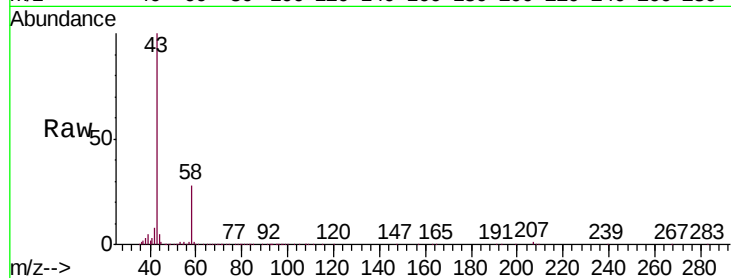




#16
Acetone
Concen: 70.495 ug/l
RT: 2.43 min Scan# 210
Delta R.T. 0.00 min
Lab File: VX011880.D
Acq: 28 Aug 2019 20:39

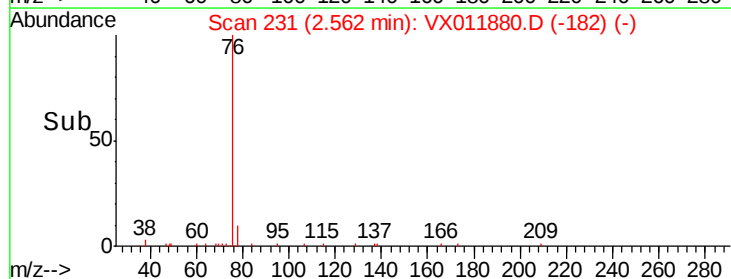
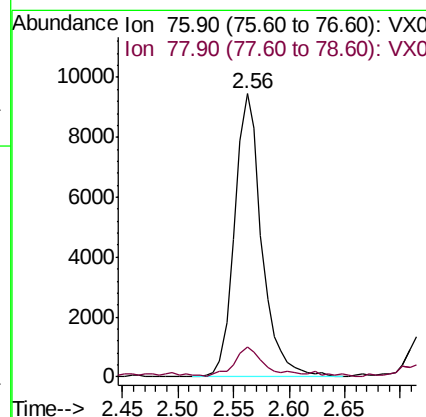
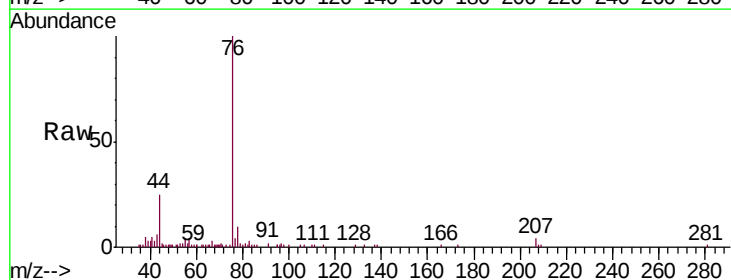
Instrument :
MSVOA_X
ClientSampleId :

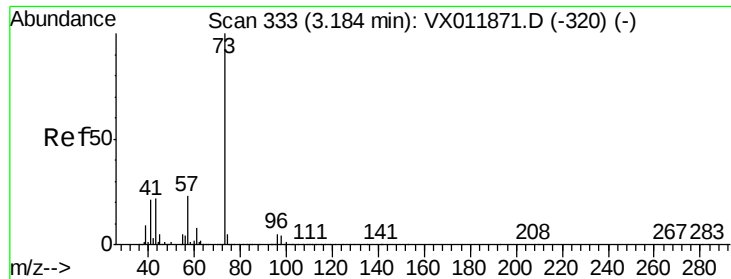
Tot Ion: 43 Resp: 67178
Ion Ratio Lower Upper
43 100
58 28.3 24.0 36.0



#17
Carbon Disulfide
Concen: 2.321 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.00 min
Lab File: VX011880.D
Acq: 28 Aug 2019 20:39

Tgt Ion: 76 Resp: 16043
Ion Ratio Lower Upper
76 100
78 9.8 7.4 11.2



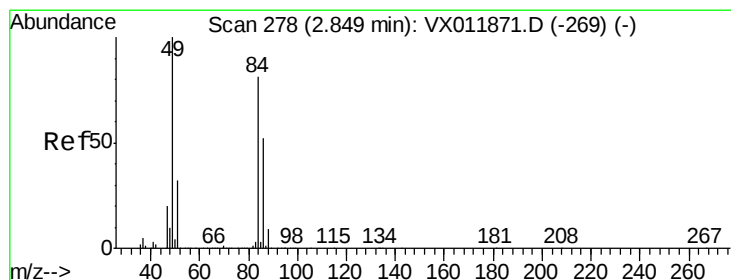
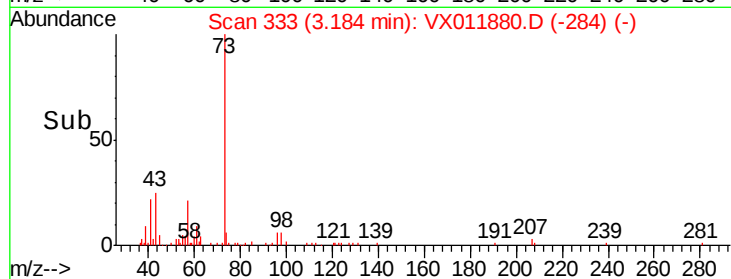
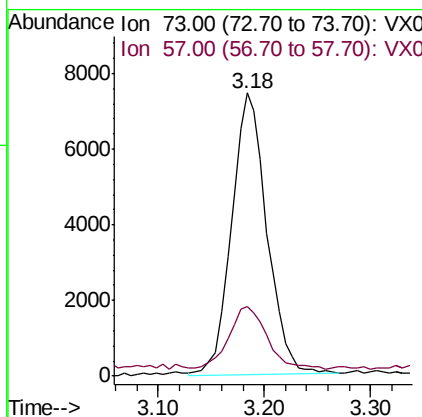
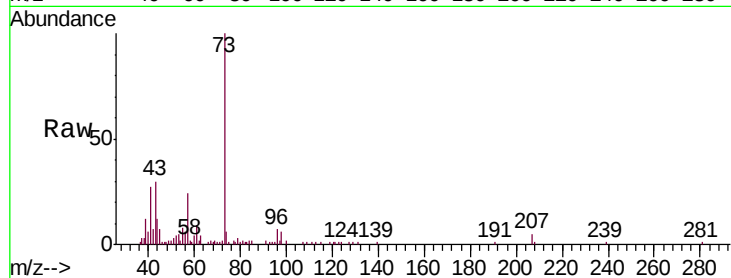


#19

Methyl tert-butyl Ether
 Concen: 2.785 ug/l
 RT: 3.18 min Scan# 333
 Delta R.T. -0.00 min
 Lab File: VX011880.D
 Acq: 28 Aug 2019 20:39

Instrument :
 MSVOA_X
 ClientSampleId :

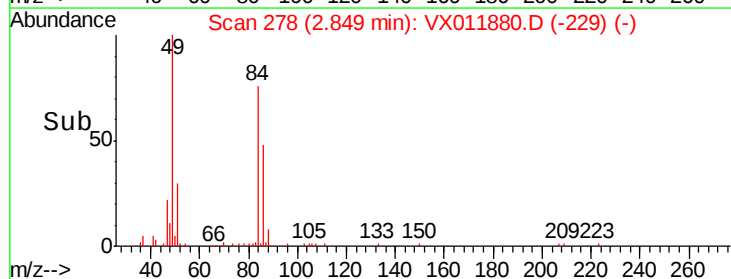
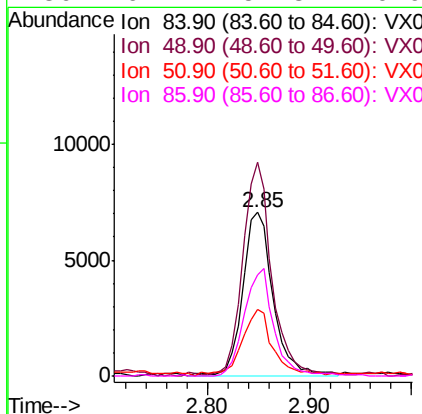
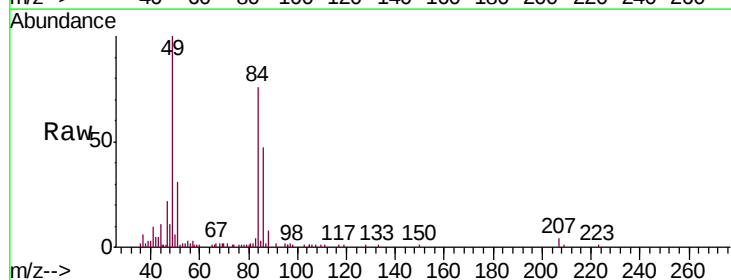
Tot Ion: 73 Resp: 17331
 Ion Ratio Lower Upper
 73 100
 57 21.9 18.1 27.1

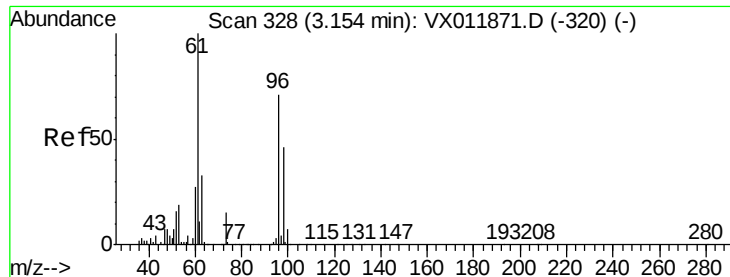


#20

Methylene Chloride
 Concen: 3.837 ug/l
 RT: 2.85 min Scan# 278
 Delta R.T. 0.00 min
 Lab File: VX011880.D
 Acq: 28 Aug 2019 20:39

Tgt Ion: 84 Resp: 14693
 Ion Ratio Lower Upper
 84 100
 49 129.5 98.9 148.3
 51 39.0 31.4 47.2
 86 62.1 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 2.713 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX011880.D

Acq: 28 Aug 2019 20:39

Instrument :

MSVOA_X

ClientSampleId :

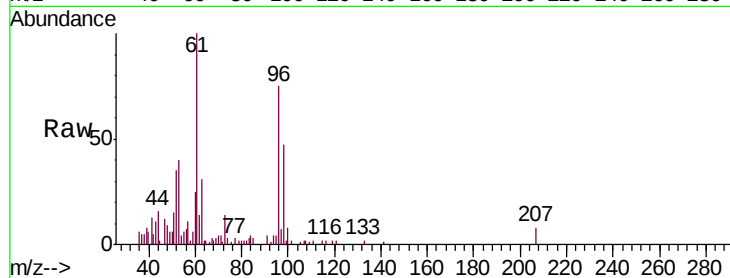
Tot Ion: 96 Resp: 7024

Ion Ratio Lower Upper

96 100

61 130.1 111.9 167.9

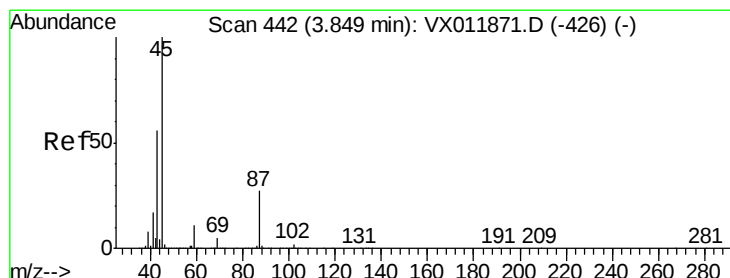
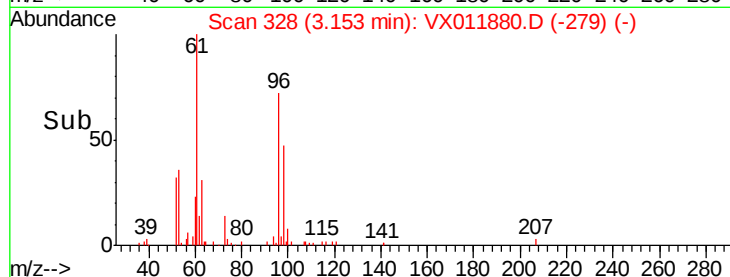
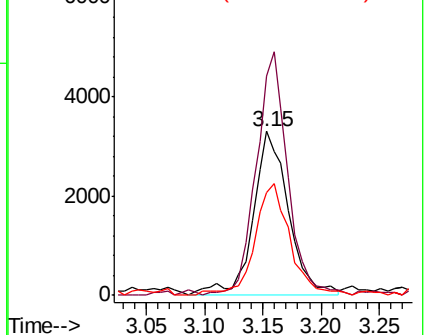
98 63.0 51.7 77.5



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: 2.768 ug/l

RT: 3.85 min Scan# 442

Delta R.T. -0.00 min

Lab File: VX011880.D

Acq: 28 Aug 2019 20:39

Tgt Ion: 45 Resp: 21251

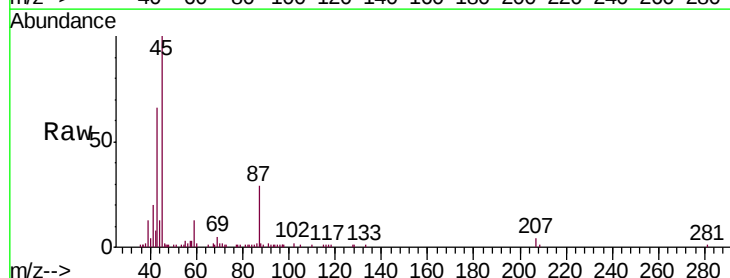
Ion Ratio Lower Upper

45 100

43 60.9 44.7 67.1

87 28.5 21.5 32.3

59 12.1 9.1 13.7

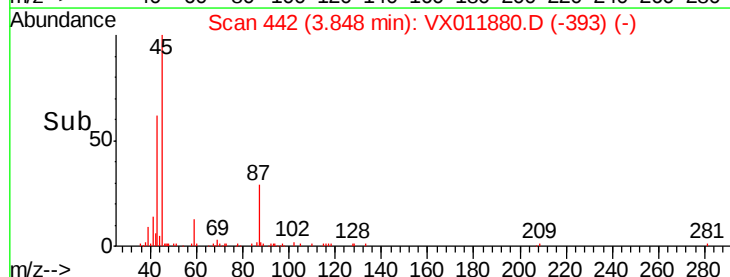
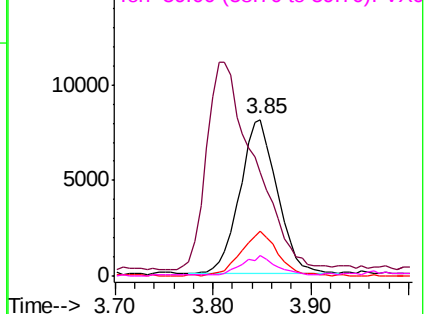


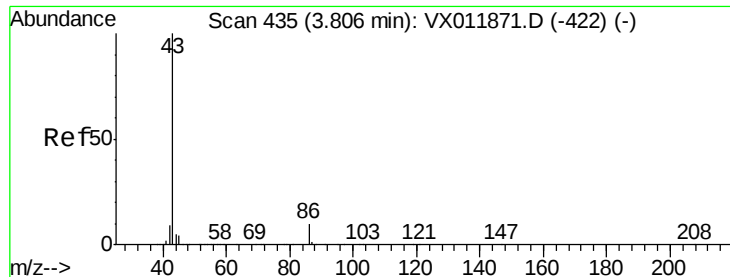
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 10.932 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.01 min

Lab File: VX011880.D

Acq: 28 Aug 2019 20:39

Instrument :

MSVOA_X

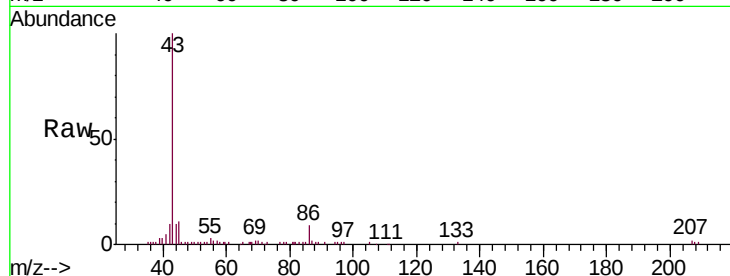
ClientSampleId :

Tot Ion: 43 Resp: 36939

Ion Ratio Lower Upper

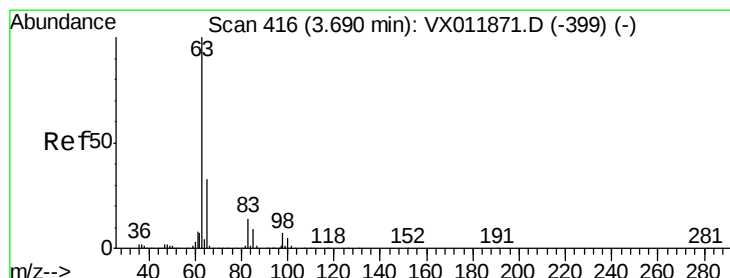
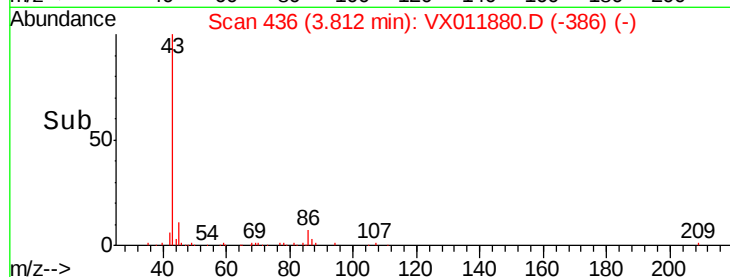
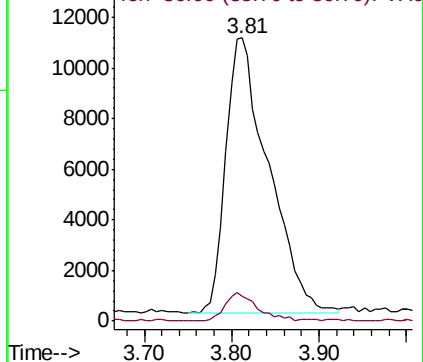
43 100

86 9.0 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 2.449 ug/l

RT: 3.68 min Scan# 415

Delta R.T. -0.01 min

Lab File: VX011880.D

Acq: 28 Aug 2019 20:39

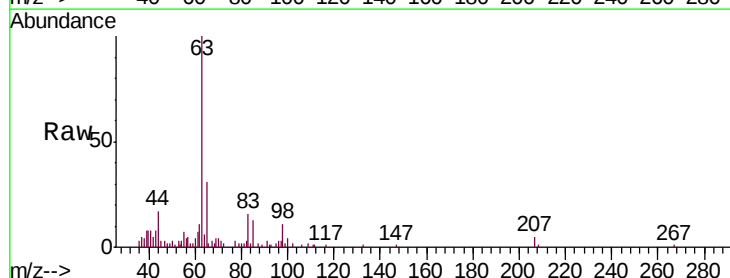
Tgt Ion: 63 Resp: 11086

Ion Ratio Lower Upper

63 100

98 11.1 3.7 11.1#

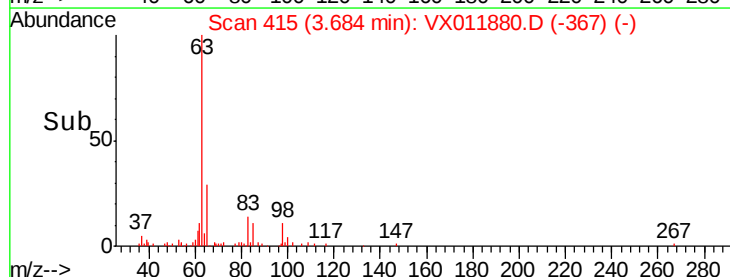
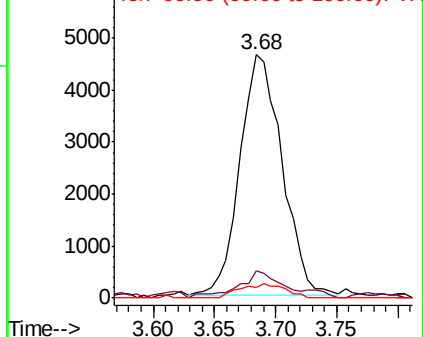
100 4.3 2.5 7.6

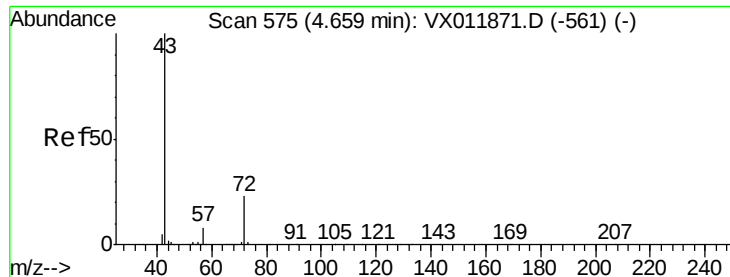


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 16.019 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.01 min

Lab File: VX011880.D

Acq: 28 Aug 2019 20:39

Instrument :

MSVOA_X

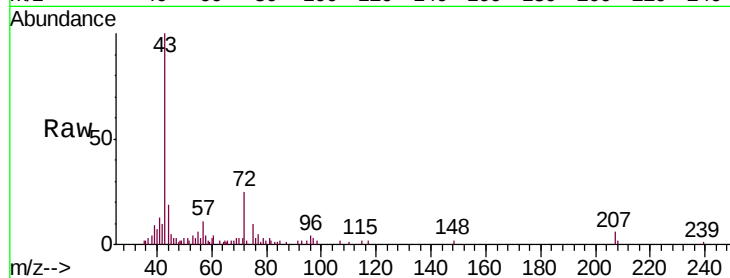
ClientSampleId :

Tot Ion: 43 Resp: 12719

Ion Ratio Lower Upper

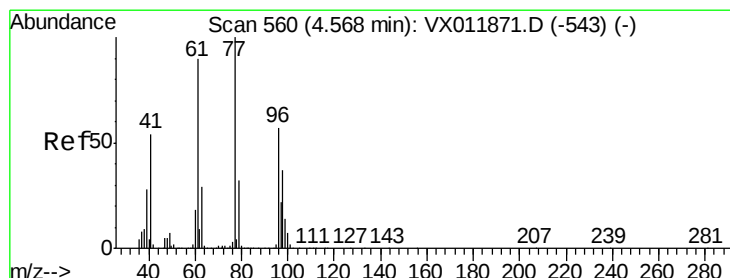
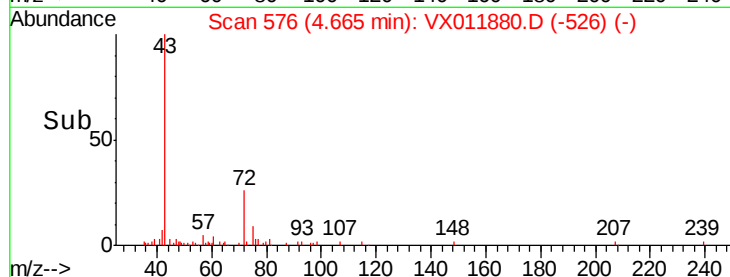
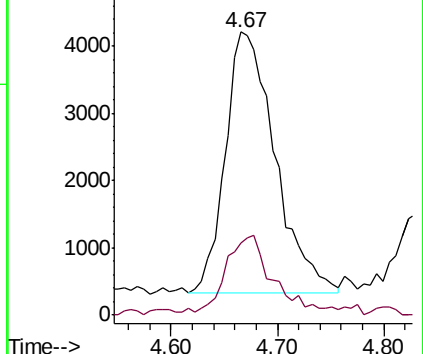
43 100

72 25.3 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 1.878 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.01 min

Lab File: VX011880.D

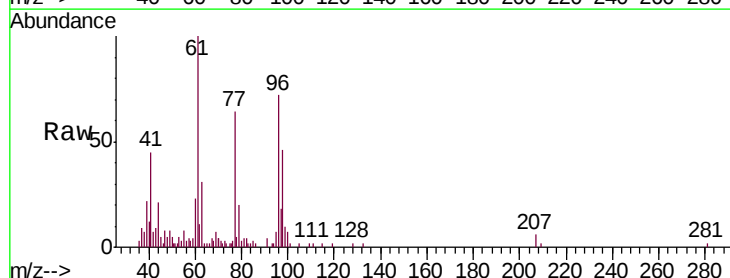
Acq: 28 Aug 2019 20:39

Tgt Ion: 77 Resp: 6932

Ion Ratio Lower Upper

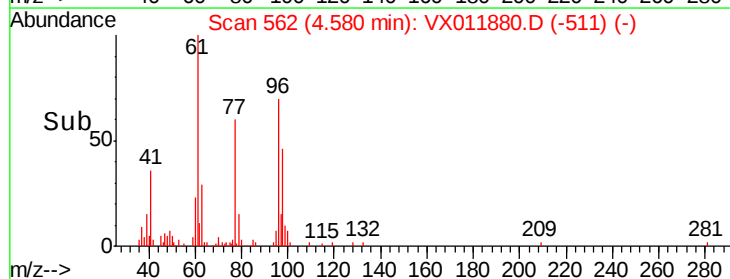
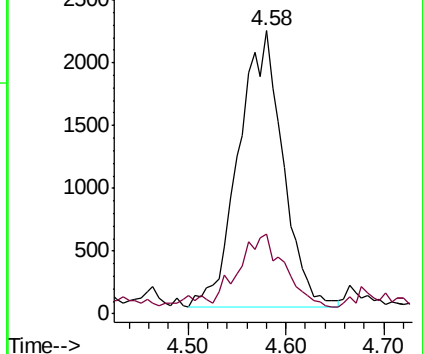
77 100

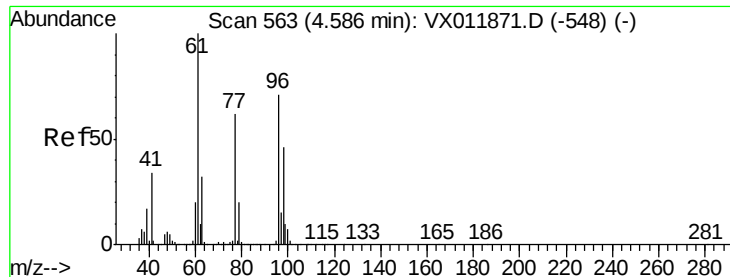
97 26.8 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



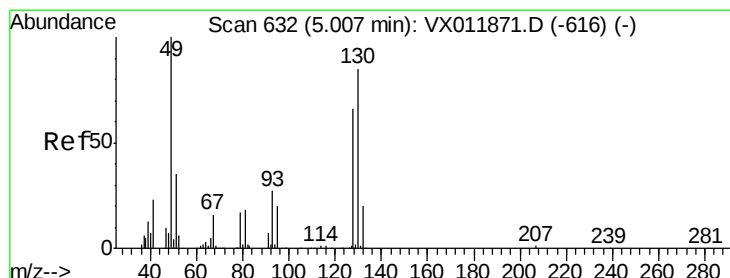
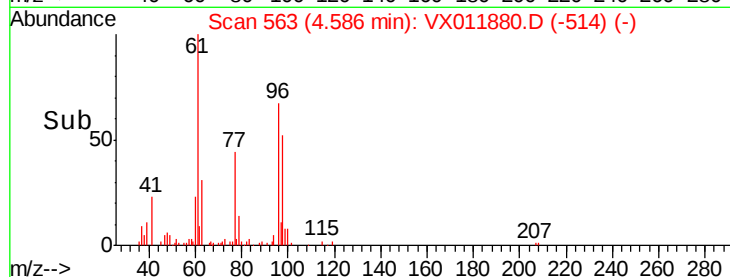
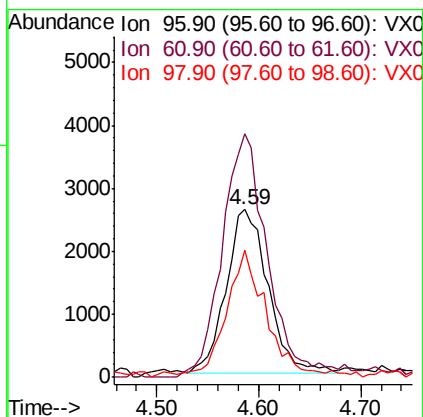
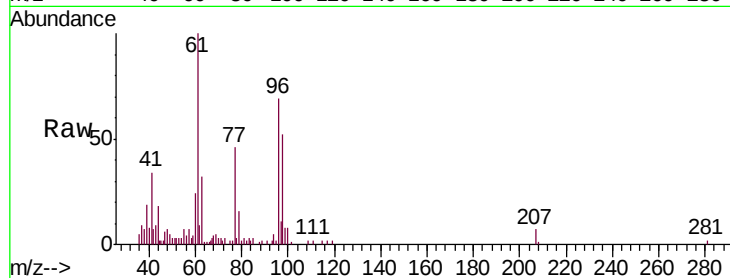


#27

cis-1,2-Dichloroethene
Concen: 2.490 ug/l
RT: 4.59 min Scan# 563
Delta R.T. -0.00 min
Lab File: VX011880.D
Acq: 28 Aug 2019 20:39

Instrument :
MSVOA_X
ClientSampled :

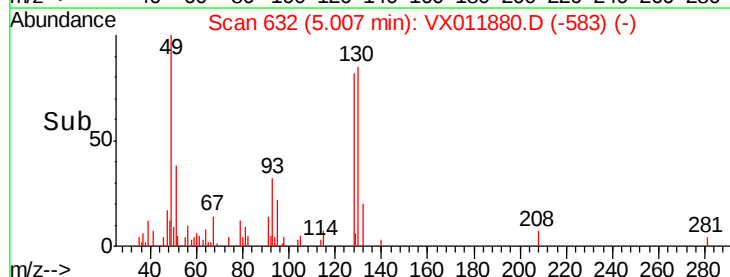
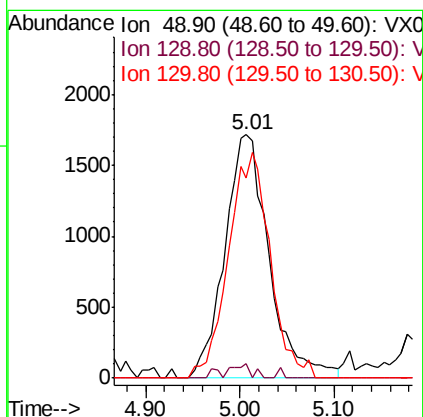
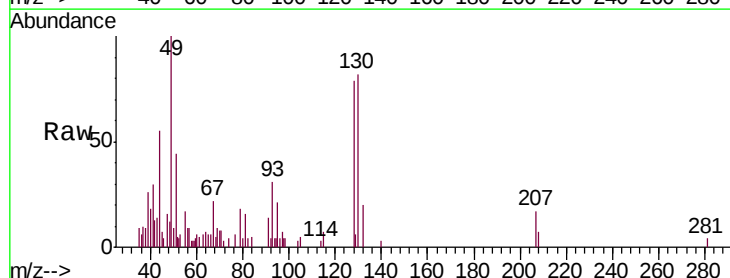
Tot Ion	Ratio	Lower	Upper
96	100		
61	161.7	0.0	288.8
98	76.6	0.0	129.6

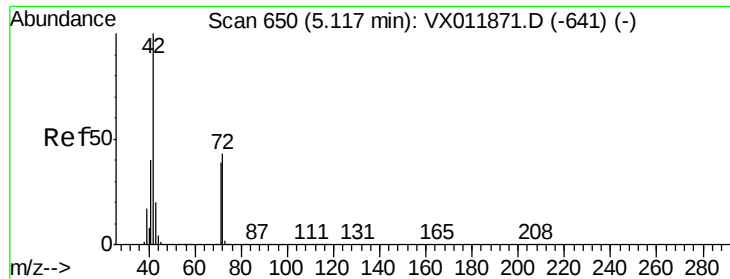


#28

Bromochloromethane
Concen: 2.761 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.00 min
Lab File: VX011880.D
Acq: 28 Aug 2019 20:39

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.6
130	87.1	67.3	100.9

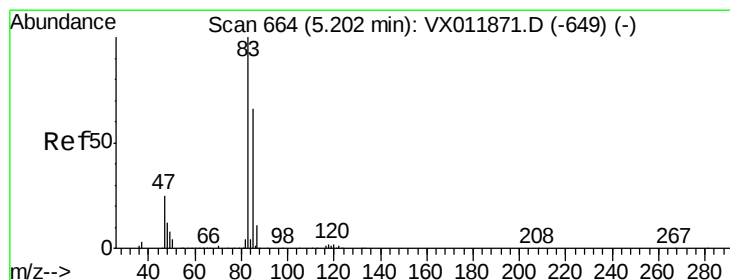
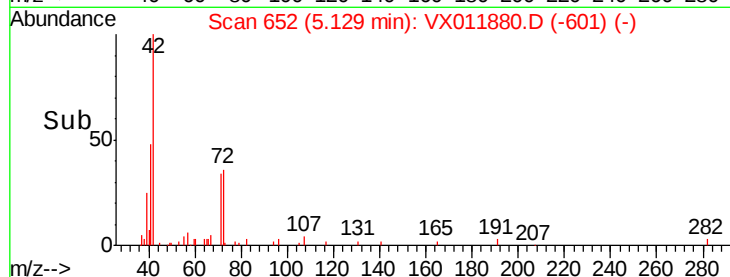
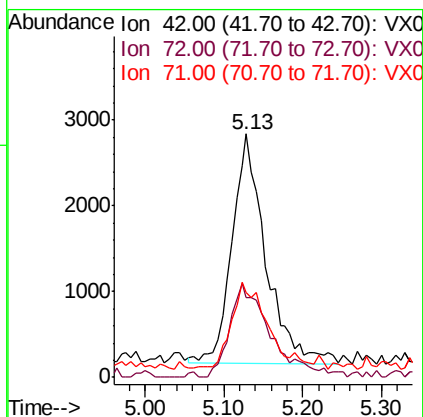
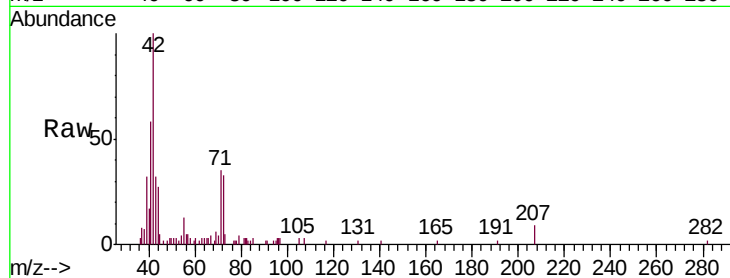




#29
Tetrahydrofuran
Concen: 16.979 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.01 min
Lab File: VX011880.D
Acq: 28 Aug 2019 20:39

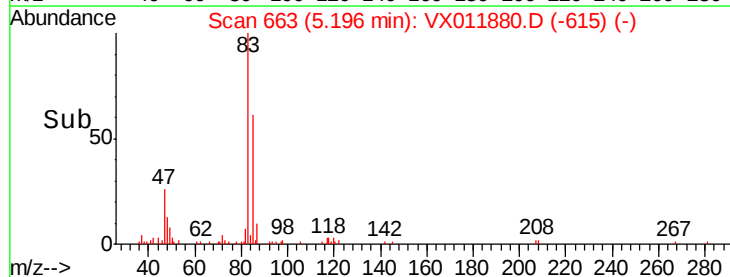
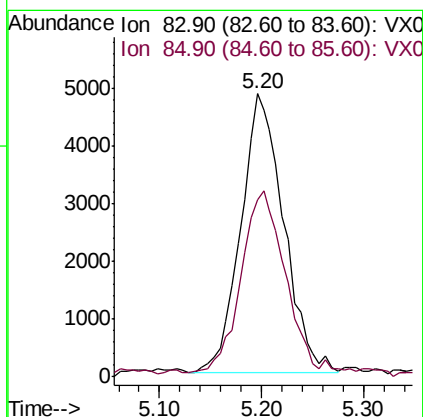
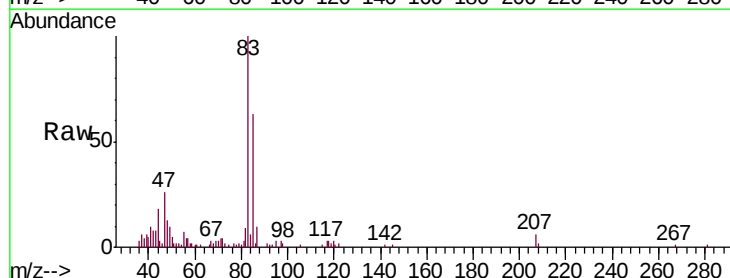
Instrument :
MSVOA_X
ClientSampleId :

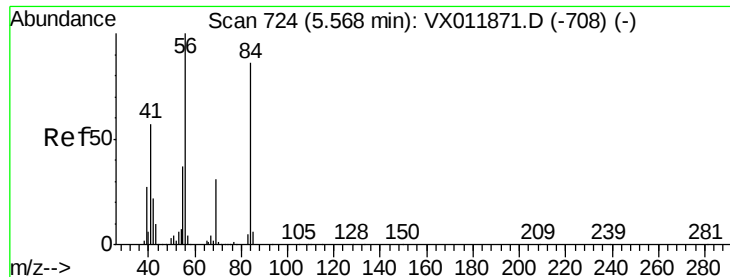
Tot Ion: 42 Resp: 7978
Ion Ratio Lower Upper
42 100
72 49.4 35.4 53.2
71 40.2 32.6 48.8



#30
Chloroform
Concen: 2.987 ug/l
RT: 5.20 min Scan# 663
Delta R.T. -0.01 min
Lab File: VX011880.D
Acq: 28 Aug 2019 20:39

Tgt Ion: 83 Resp: 14151
Ion Ratio Lower Upper
83 100
85 62.1 52.5 78.7





#31

Cyclohexane

Concen: 2.296 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.01 min

Lab File: VX011880.D

Acq: 28 Aug 2019 20:39

Instrument :

MSVOA_X

ClientSampleId :

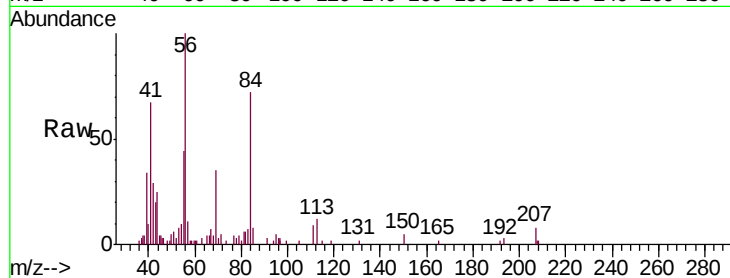
Tot Ion: 56 Resp: 9050

Ion Ratio Lower Upper

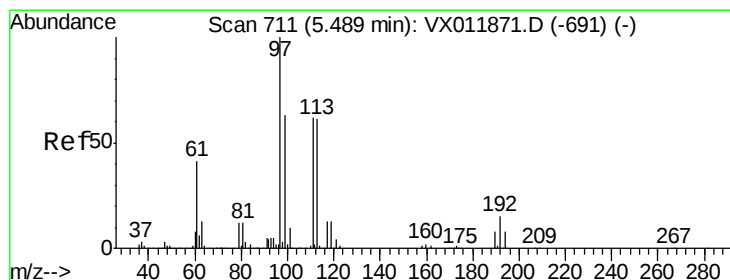
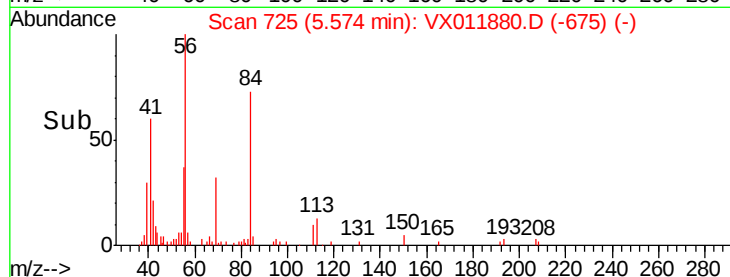
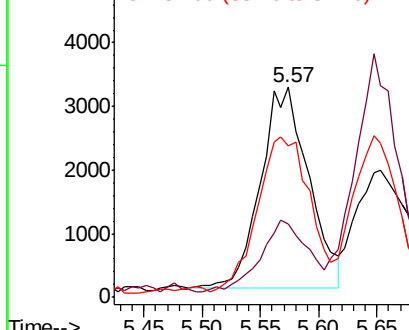
56 100

69 32.6 25.0 37.4

84 70.4 68.6 103.0



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: 2.338 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.00 min

Lab File: VX011880.D

Acq: 28 Aug 2019 20:39

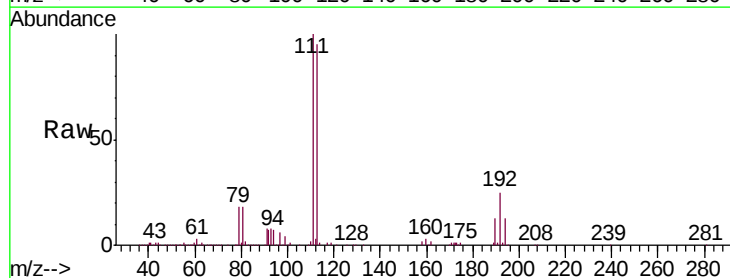
Tgt Ion: 97 Resp: 9960

Ion Ratio Lower Upper

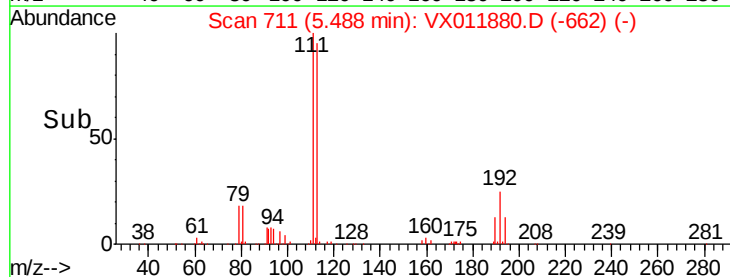
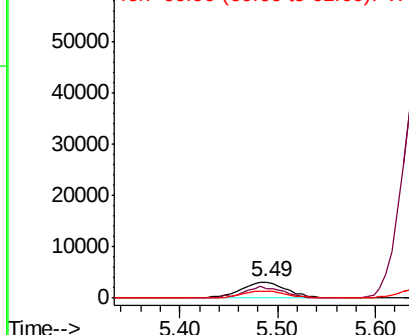
97 100

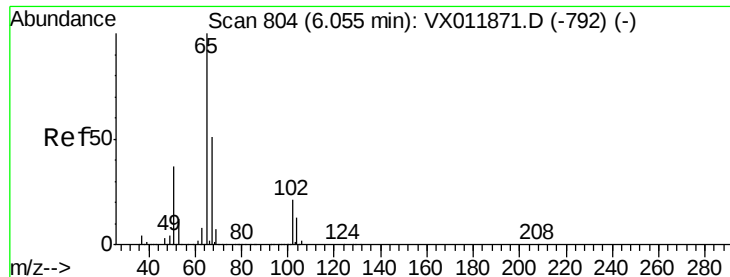
99 65.3 51.1 76.7

61 46.2 33.4 50.2



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: 58.201 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX011880.D

Acq: 28 Aug 2019 20:39

Instrument :

MSVOA_X

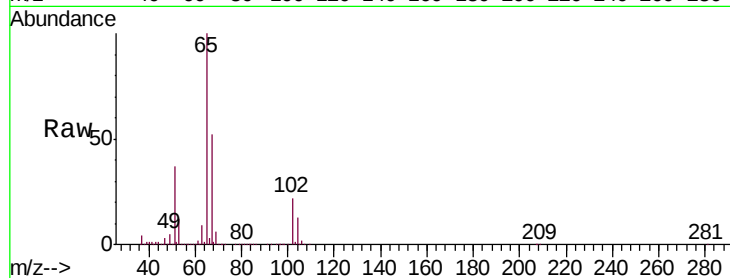
ClientSampleId :

Tot Ion: 65 Resp: 157742

Ion Ratio Lower Upper

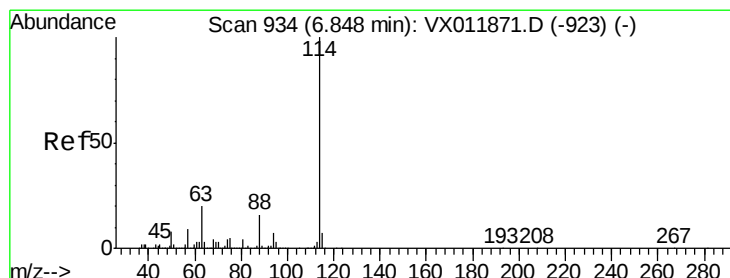
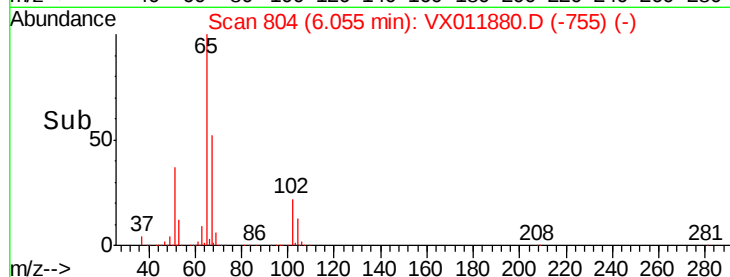
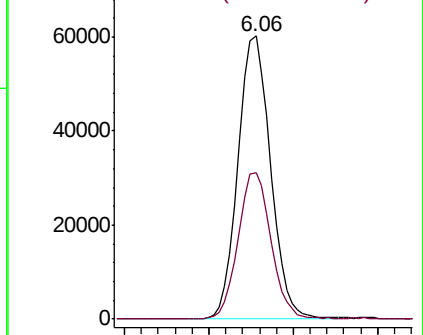
65 100

67 51.7 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 934

Delta R.T. -0.00 min

Lab File: VX011880.D

Acq: 28 Aug 2019 20:39

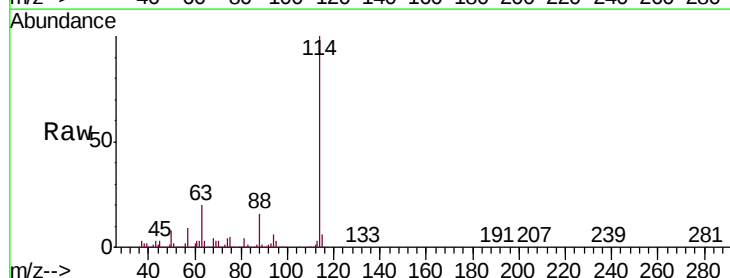
Tgt Ion: 114 Resp: 450175

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.8

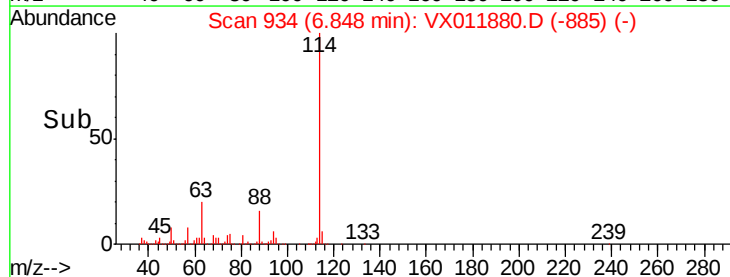
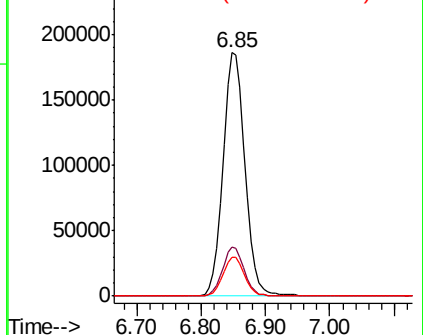
88 15.9 0.0 31.6

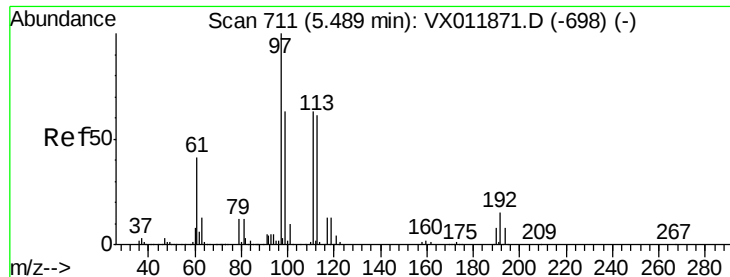


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

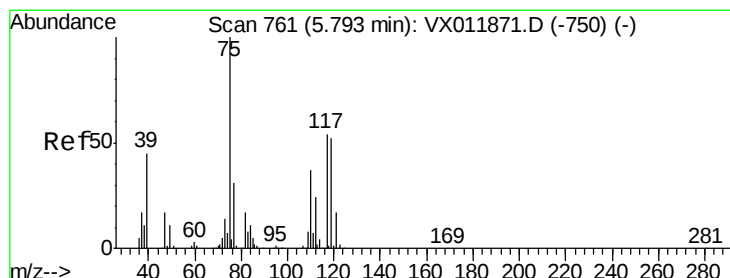
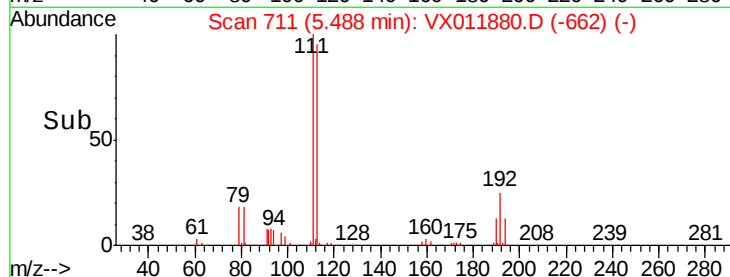
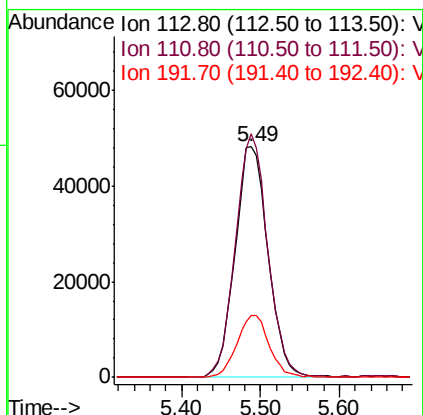
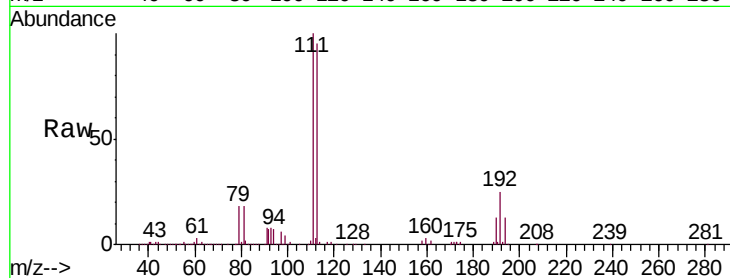




#35
 Dibromofluoromethane
 Concen: 51.447 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.00 min
 Lab File: VX011880.D
 Acq: 28 Aug 2019 20:39

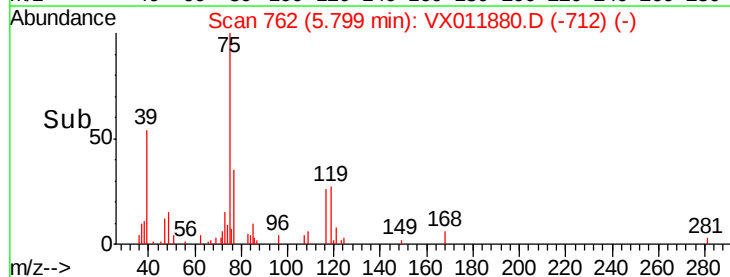
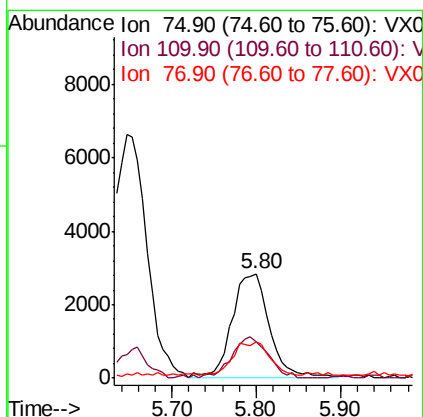
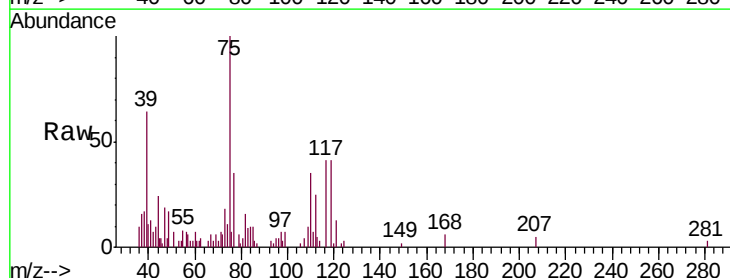
Instrument :
 MSVOA_X
 ClientSampleId :

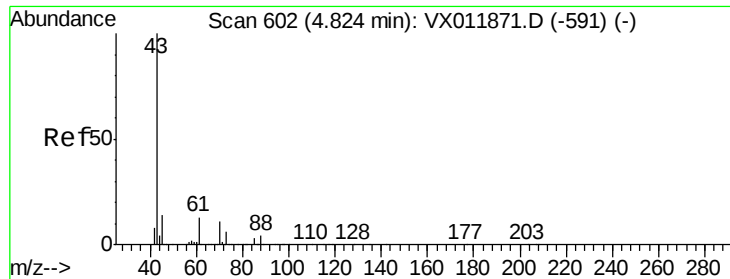
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	80.9	121.3
192	26.3	20.6	30.8



#36
 1,1-Dichloropropene
 Concen: 2.334 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.01 min
 Lab File: VX011880.D
 Acq: 28 Aug 2019 20:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.3	18.5	55.5
77	30.5	24.7	37.1

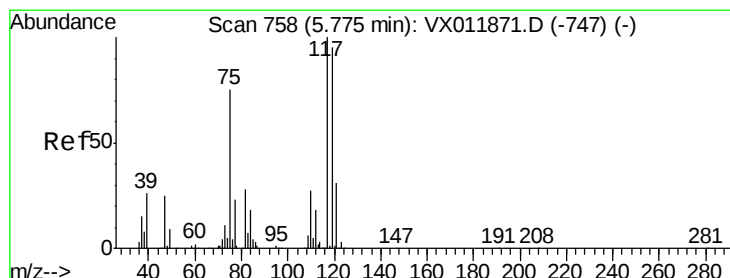
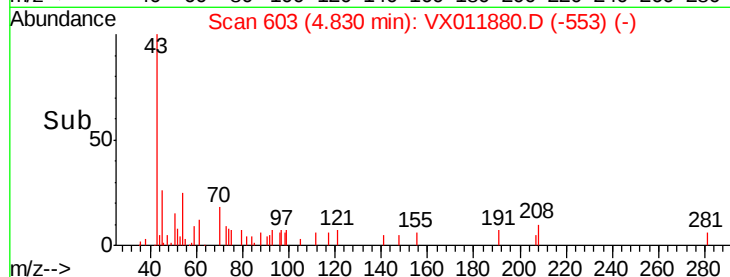
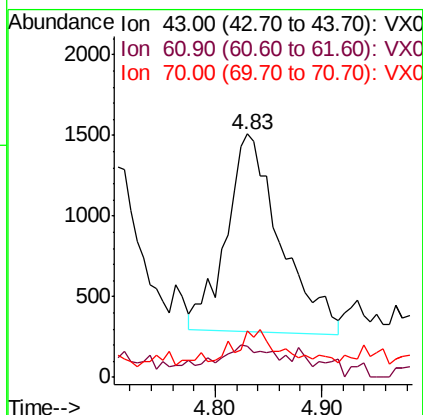
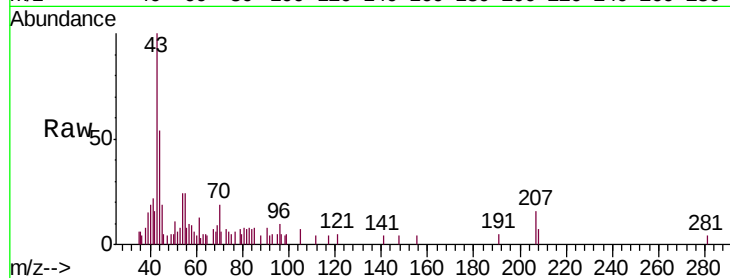




#37
Ethyl Acetate
Concen: 2.790 ug/l
RT: 4.83 min Scan# 603
Delta R.T. 0.01 min
Lab File: VX011880.D
Acq: 28 Aug 2019 20:39

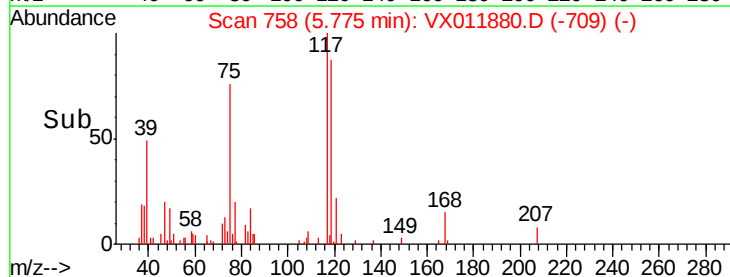
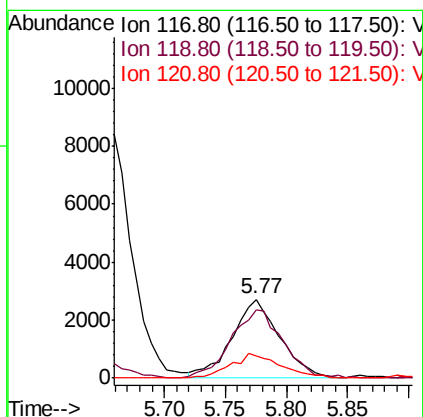
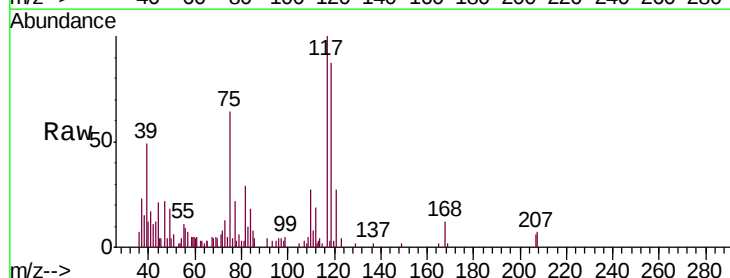
Instrument :
MSVOA_X
ClientSampleId :

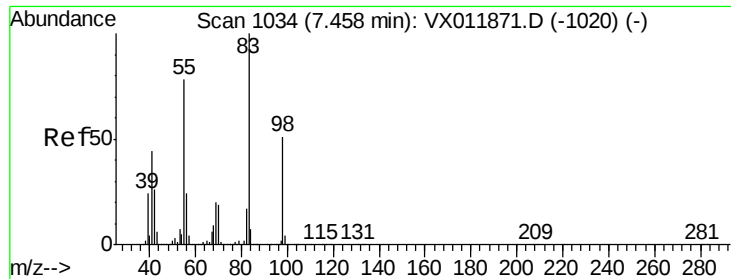
Tot Ion: 43 Resp: 4344
Ion Ratio Lower Upper
43 100
61 0.0 10.5 15.7#
70 12.1 8.9 13.3



#38
Carbon Tetrachloride
Concen: 2.037 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.00 min
Lab File: VX011880.D
Acq: 28 Aug 2019 20:39

Tgt Ion: 117 Resp: 7349
Ion Ratio Lower Upper
117 100
119 84.4 75.7 113.5
121 27.4 25.1 37.7

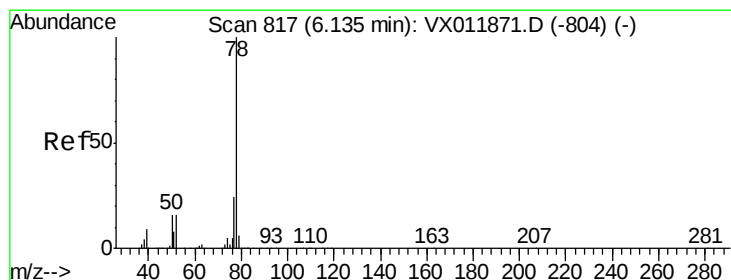
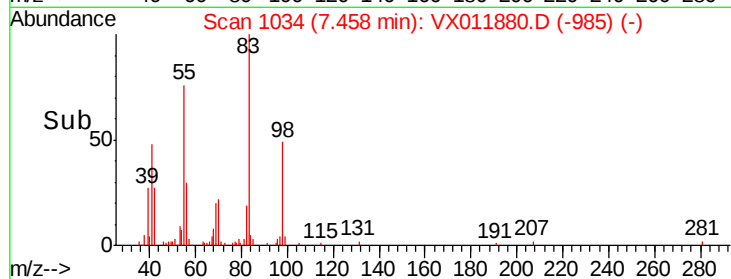
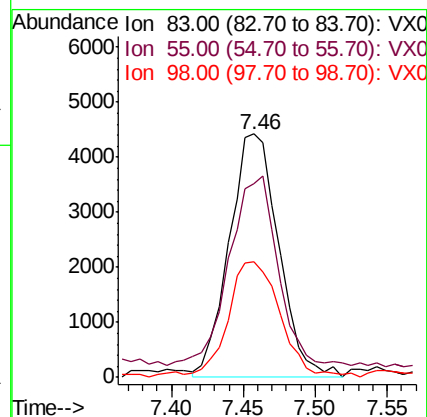
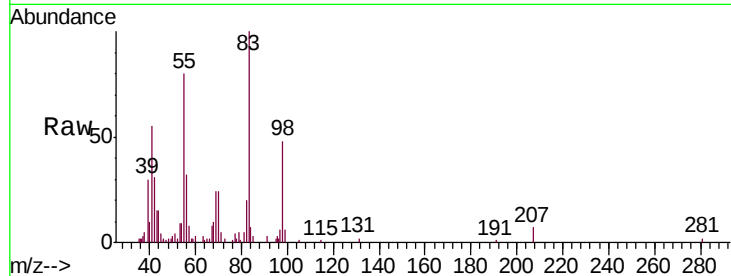




#39
Methvlcvclohexane
Concen: 2.334 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX011880.D
Acq: 28 Aug 2019 20:39

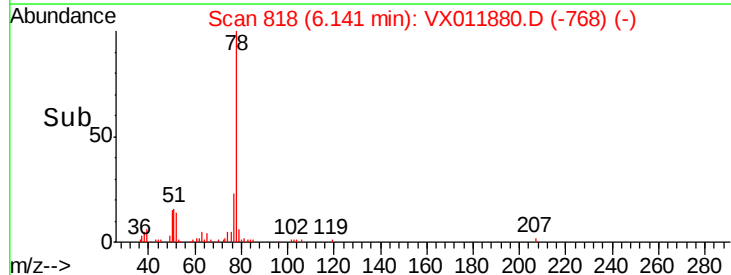
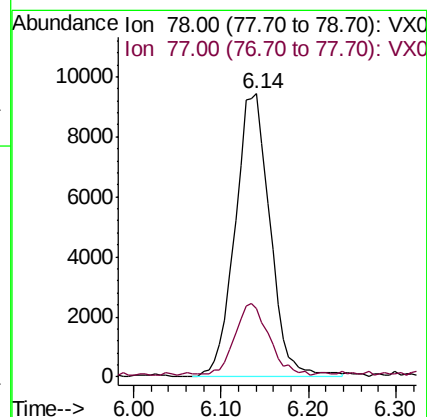
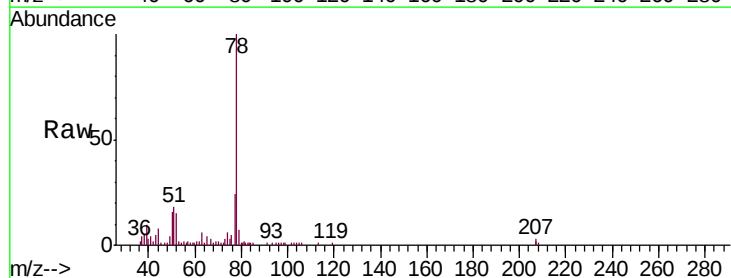
Instrument :
MSVOA_X
ClientSampleId :

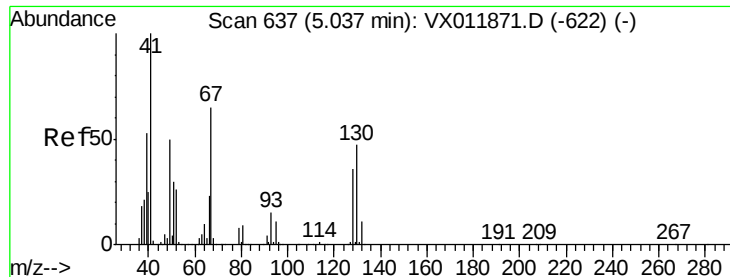
Tot Ion: 83 Resp: 10563
Ion Ratio Lower Upper
83 100
55 74.0 62.1 93.1
98 46.2 40.6 61.0



#40
Benzene
Concen: 2.456 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.01 min
Lab File: VX011880.D
Acq: 28 Aug 2019 20:39

Tgt Ion: 78 Resp: 26230
Ion Ratio Lower Upper
78 100
77 23.2 19.0 28.4





#41

Methacrylonitrile

Concen: 2.705 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.00 min

Lab File: VX011880.D

Acq: 28 Aug 2019 20:39

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 41 Resp: 2857

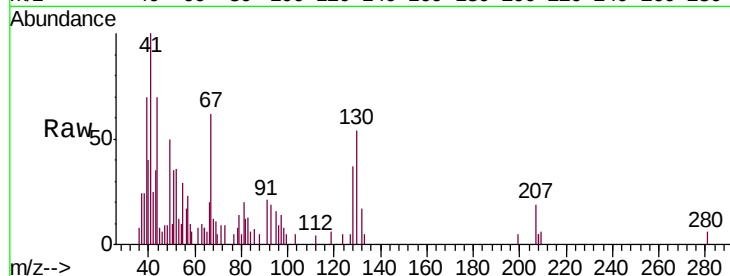
Ion Ratio Lower Upper

41 100

39 61.8 44.5 66.7

67 81.6 55.0 82.4

52 31.4 23.3 34.9

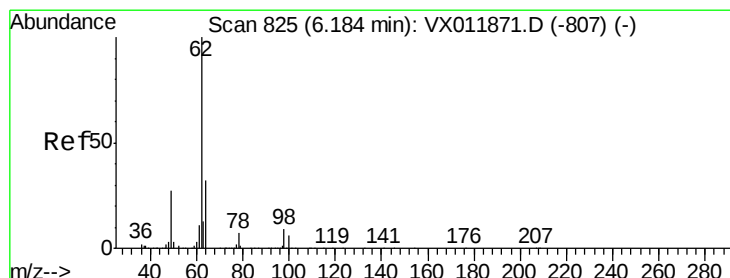
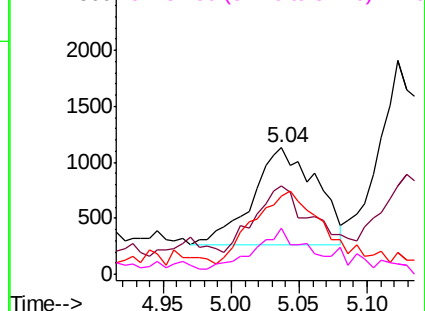
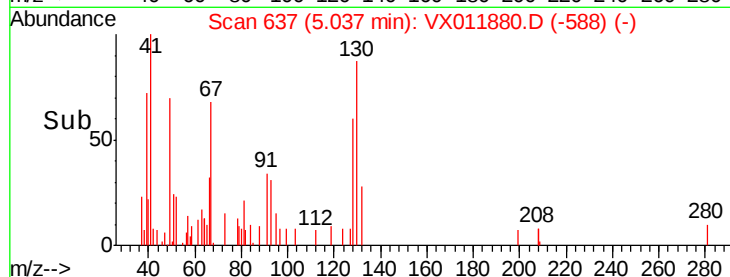


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 2.723 ug/l

RT: 6.19 min Scan# 826

Delta R.T. 0.01 min

Lab File: VX011880.D

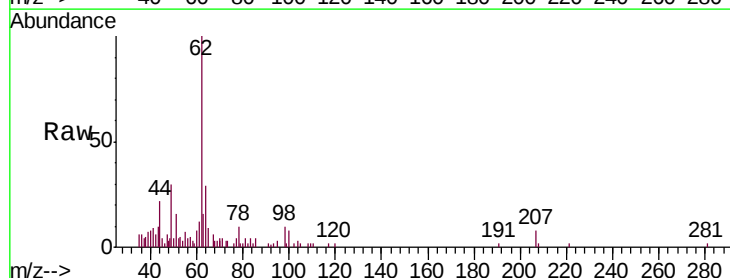
Acq: 28 Aug 2019 20:39

Tgt Ion: 62 Resp: 9234

Ion Ratio Lower Upper

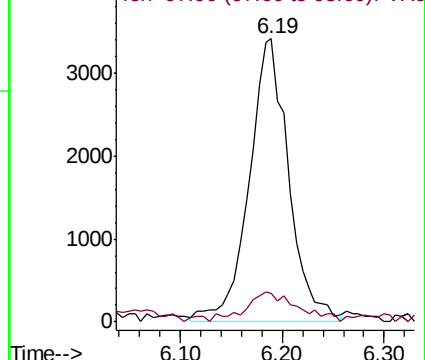
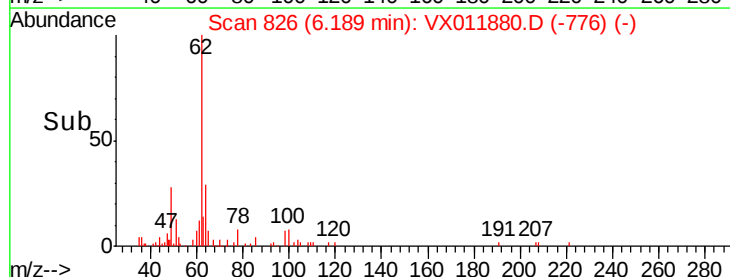
62 100

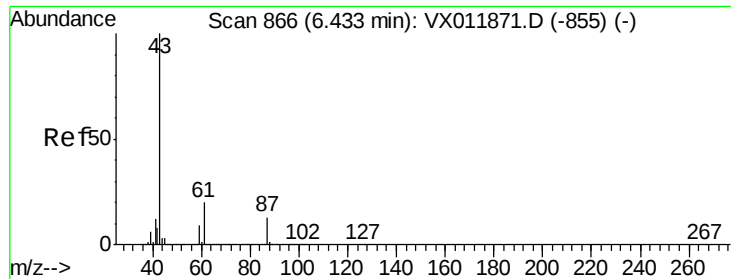
98 14.0 0.0 19.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



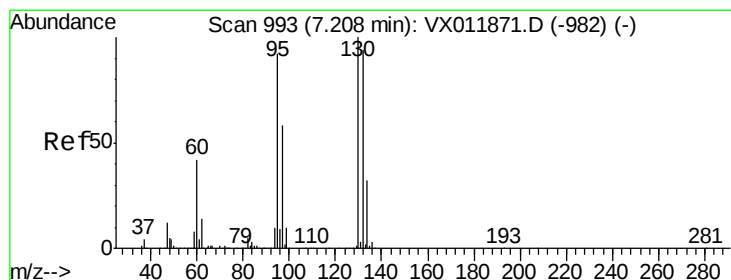
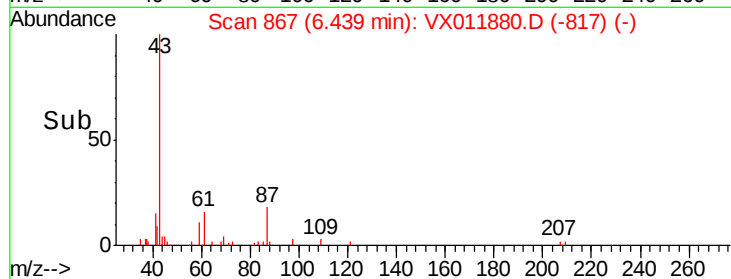
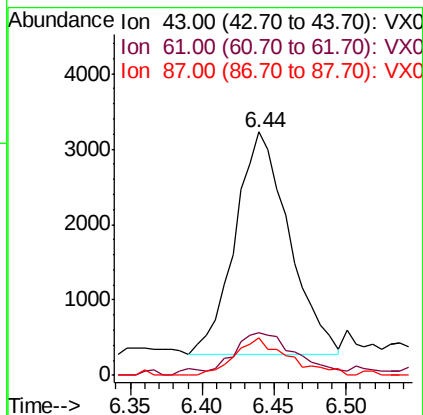
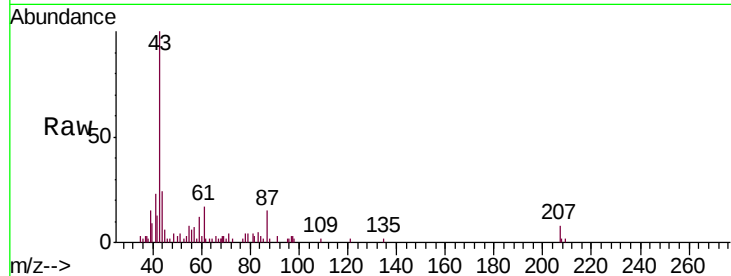


#43

Isopropyl Acetate
 Concen: 2.505 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. 0.01 min
 Lab File: VX011880.D
 Acq: 28 Aug 2019 20:39

Instrument :
 MSVOA_X
 ClientSampleId :

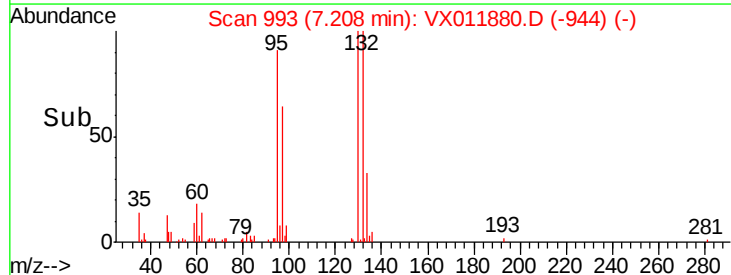
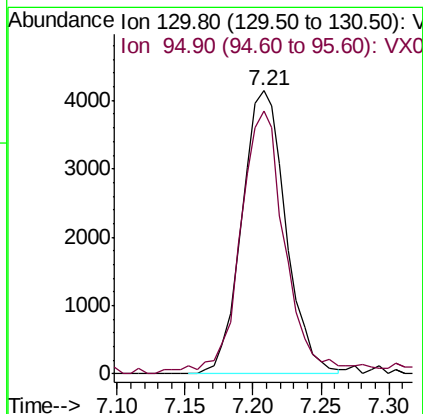
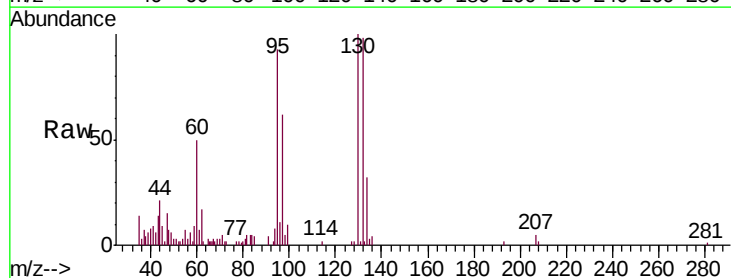
Tot Ion	Ratio	Lower	Upper
43	100		
61	22.0	15.6	23.4
87	16.5	10.6	15.8

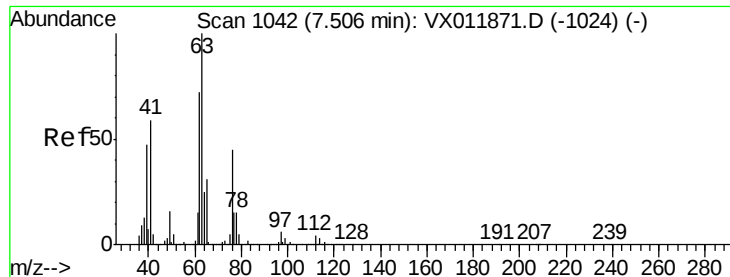


#44

Trichloroethene
 Concen: 2.613 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: VX011880.D
 Acq: 28 Aug 2019 20:39

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.1	0.0	184.0





#45

1,2-Dichloropropane

Concen: 2.354 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.01 min

Lab File: VX011880.D

Acq: 28 Aug 2019 20:39

Instrument :

MSVOA_X

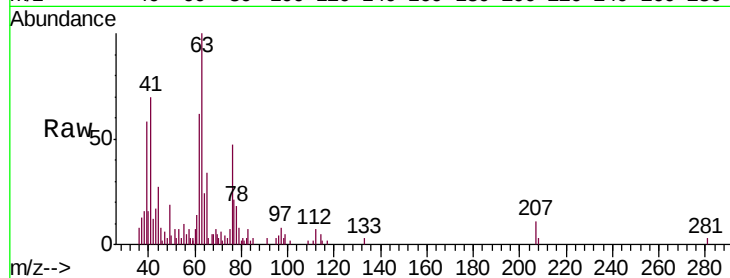
ClientSampleId :

Tot Ion: 63 Resp: 6256

Ion Ratio Lower Upper

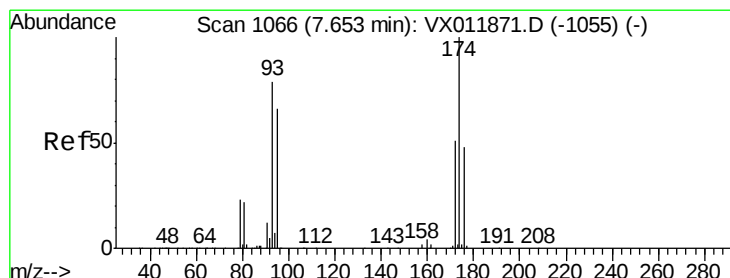
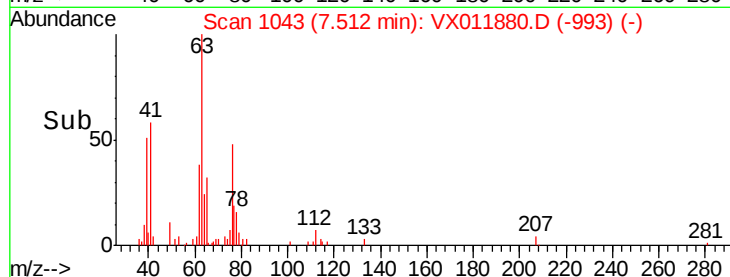
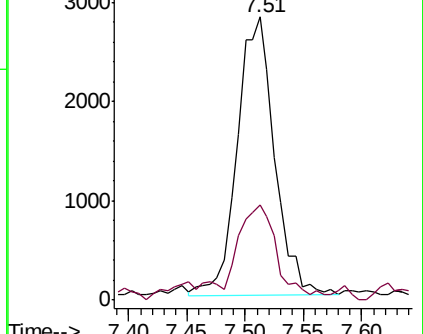
63 100

65 31.1 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 2.717 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.01 min

Lab File: VX011880.D

Acq: 28 Aug 2019 20:39

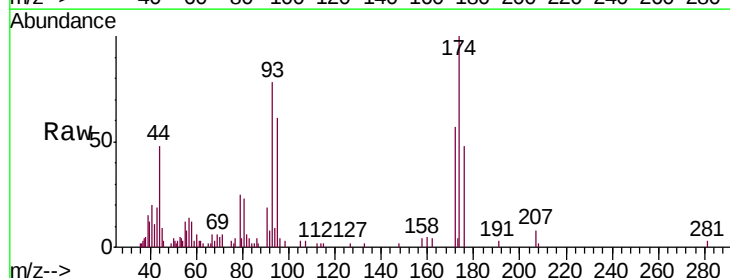
Tgt Ion: 93 Resp: 4278

Ion Ratio Lower Upper

93 100

95 85.3 65.8 98.8

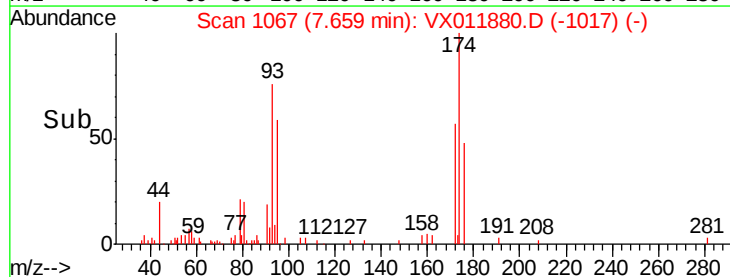
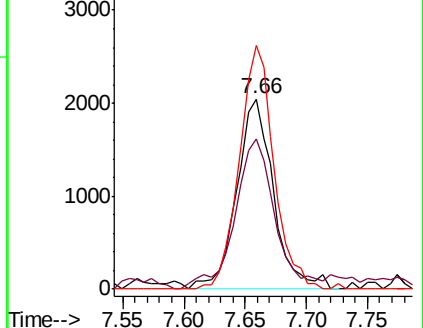
174 120.3 100.2 150.4

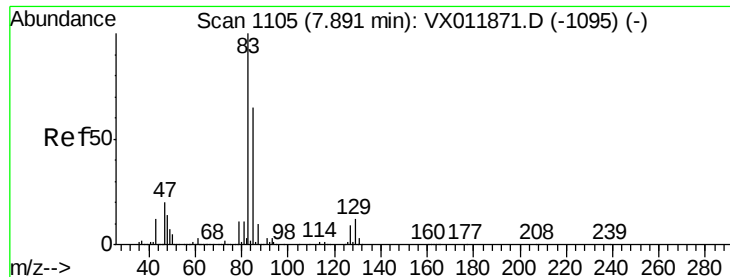


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 2.278 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VX011880.D

Acq: 28 Aug 2019 20:39

Instrument :
MSVOA_X
ClientSampleId :

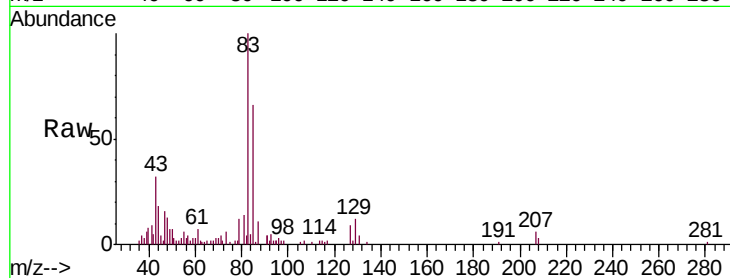
Tot Ion: 83 Resp: 8434

Ion Ratio Lower Upper

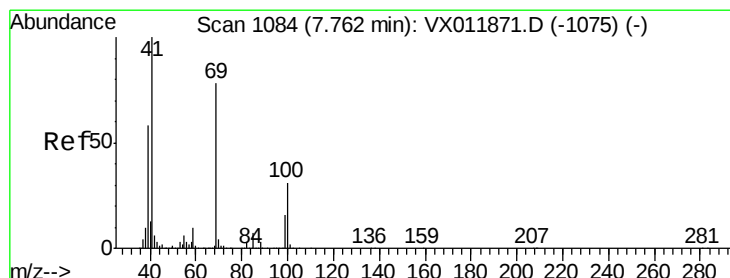
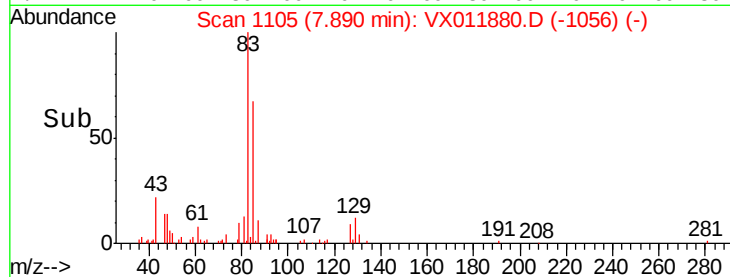
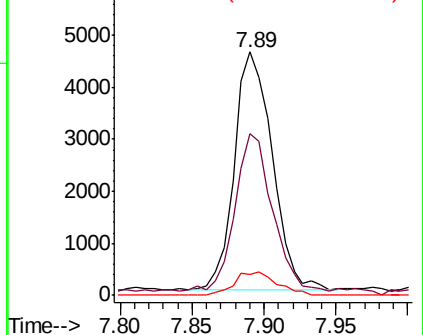
83 100

85 65.7 51.8 77.8

127 8.7 7.4 11.2



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: 2.466 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VX011880.D

Acq: 28 Aug 2019 20:39

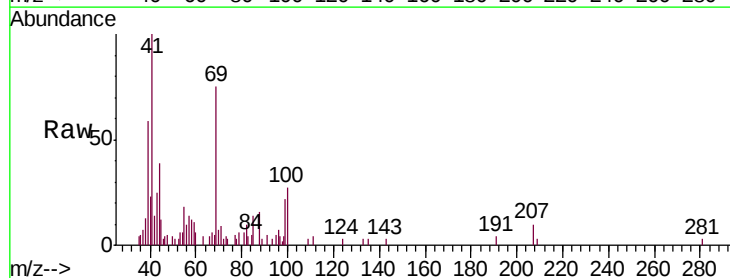
Tgt Ion: 41 Resp: 3773

Ion Ratio Lower Upper

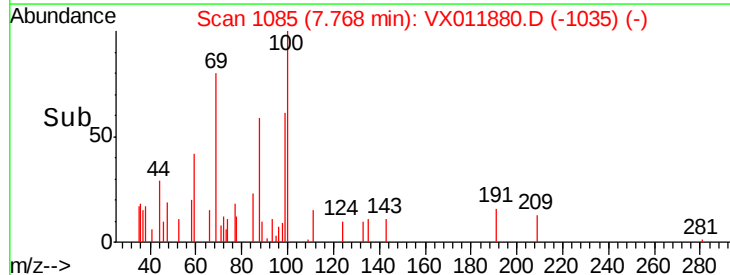
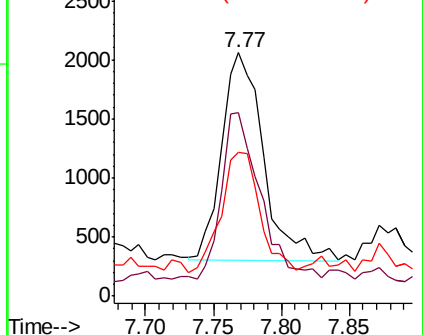
41 100

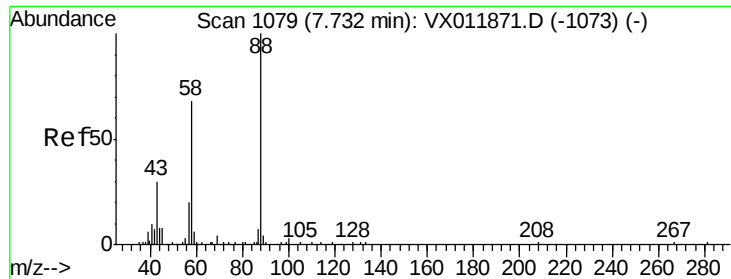
69 75.2 63.0 94.4

39 53.7 46.1 69.1



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: 106.101 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.01 min

Lab File: VX011880.D

Acq: 28 Aug 2019 20:39

Instrument :

MSVOA_X

ClientSampled :

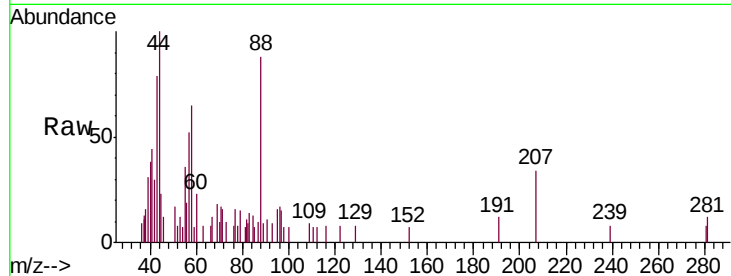
Tot Ion: 88 Resp: 1749

Ion Ratio Lower Upper

88 100

43 51.2 33.2 49.8#

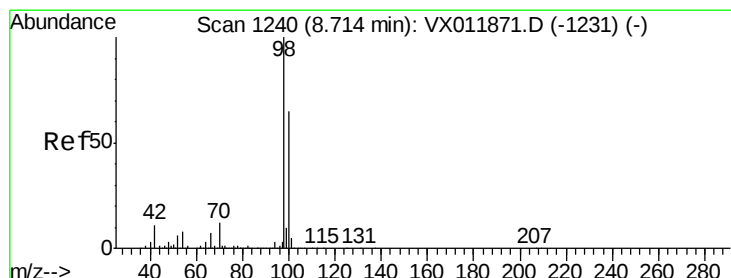
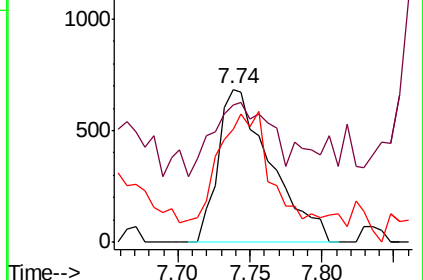
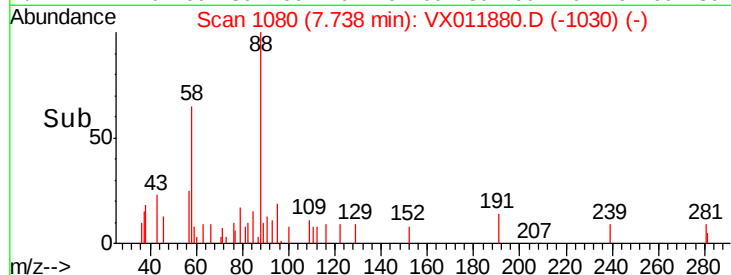
58 83.5 58.2 87.4



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 53.859 ug/l

RT: 8.71 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VX011880.D

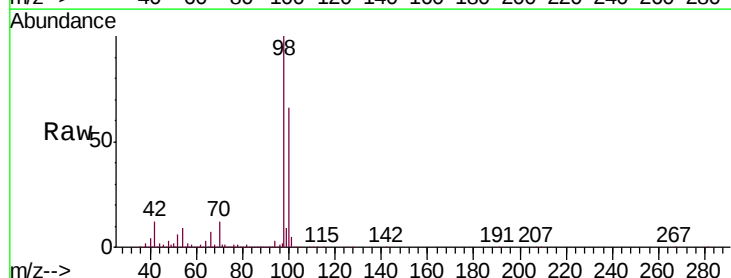
Acq: 28 Aug 2019 20:39

Tgt Ion: 98 Resp: 548493

Ion Ratio Lower Upper

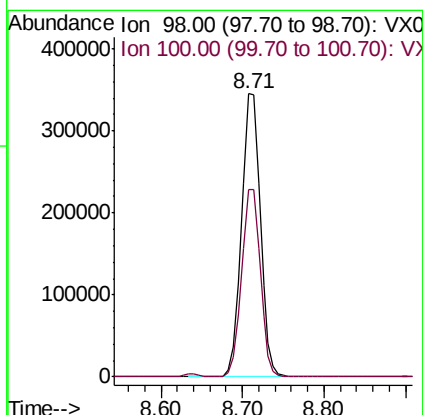
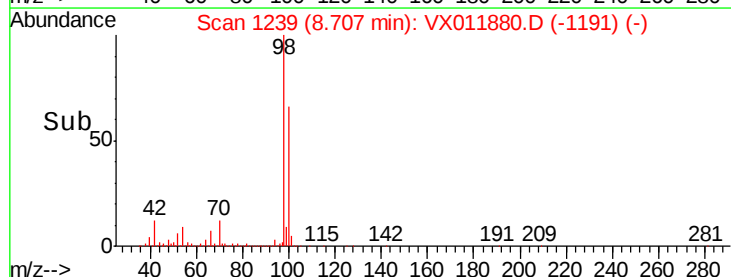
98 100

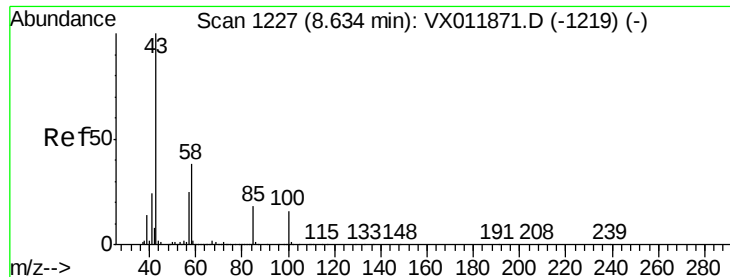
100 65.9 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

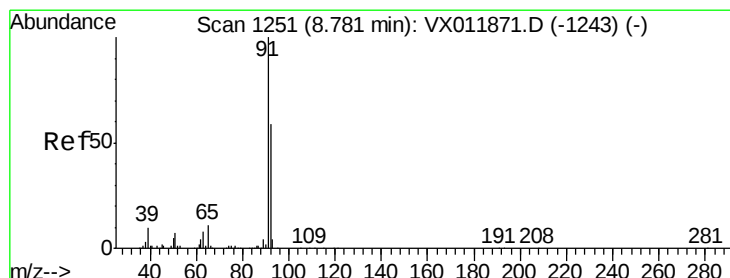
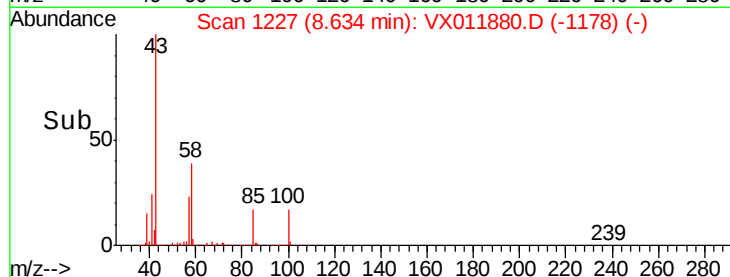
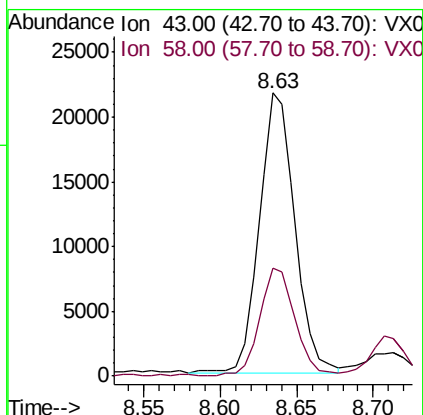
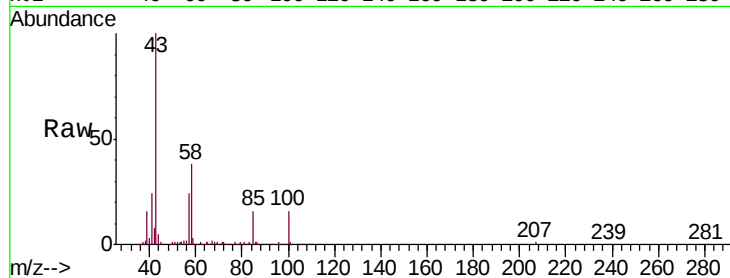




#51
4-Methyl-2-Pentanone
Concen: 28.319 ug/l
RT: 8.63 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VX011880.D
Acq: 28 Aug 2019 20:39

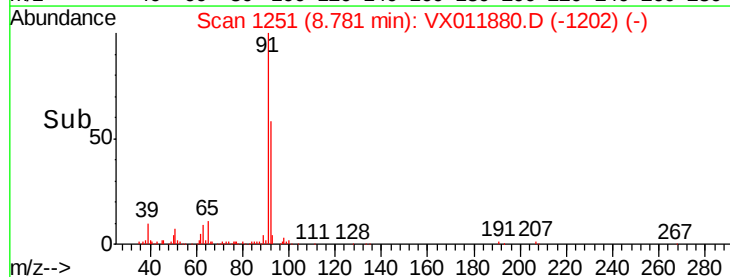
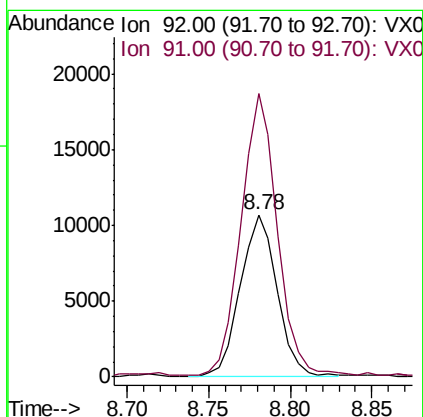
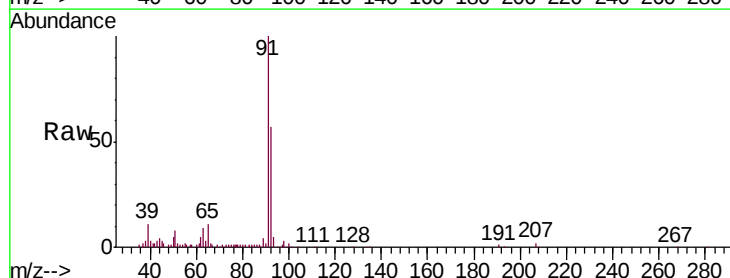
Instrument :
MSVOA_X
ClientSampleId :

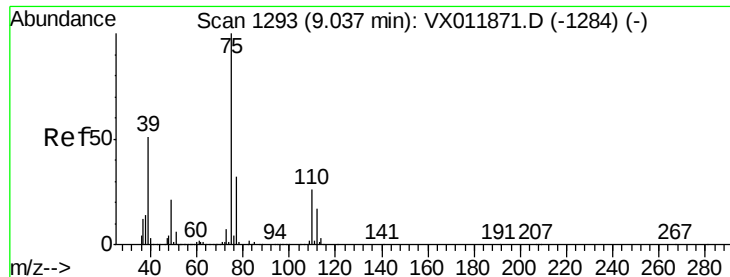
Tot Ion: 43 Resp: 34896
Ion Ratio Lower Upper
43 100
58 38.5 30.8 46.2



#52
Toluene
Concen: 2.450 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VX011880.D
Acq: 28 Aug 2019 20:39

Tgt Ion: 92 Resp: 16867
Ion Ratio Lower Upper
92 100
91 170.2 136.2 204.2





#53

t-1,3-Dichloropropene

Concen: 1.992 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX011880.D

Acq: 28 Aug 2019 20:39

Instrument :

MSVOA_X

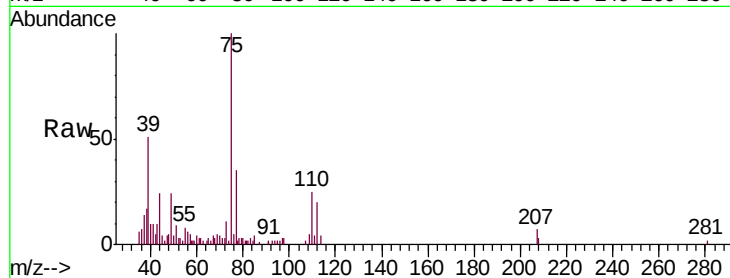
ClientSampleId :

Tot Ion: 75 Resp: 6284

Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

4000

3000

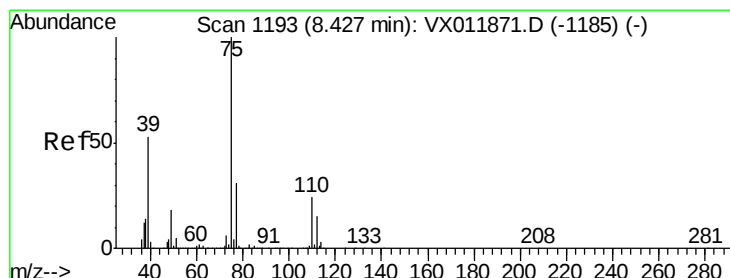
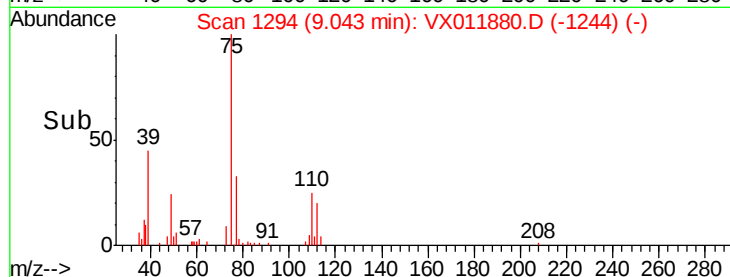
2000

1000

0

9.00 9.05 9.10

Time-->



#54

cis-1,3-Dichloropropene

Concen: 2.155 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.01 min

Lab File: VX011880.D

Acq: 28 Aug 2019 20:39

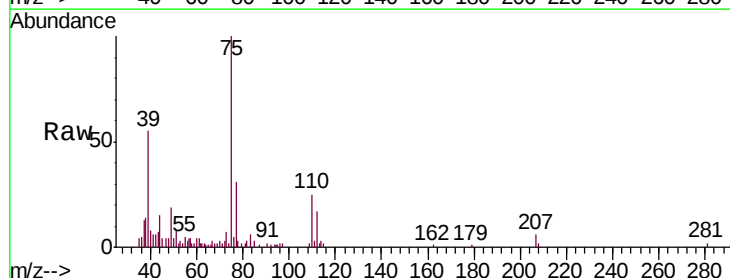
Tgt Ion: 75 Resp: 8582

Ion Ratio Lower Upper

75 100

77 29.6 24.9 37.3

39 51.2 42.2 63.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.43

6000

5000

4000

3000

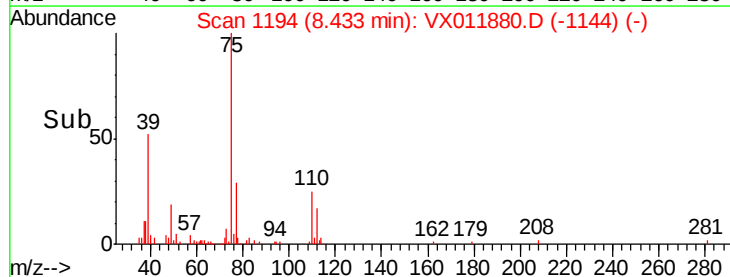
2000

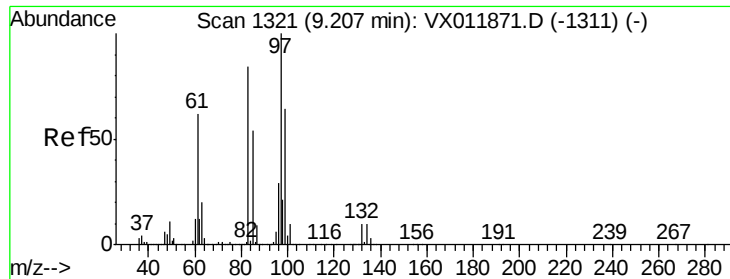
1000

0

8.35 8.40 8.45 8.50 8.55

Time-->

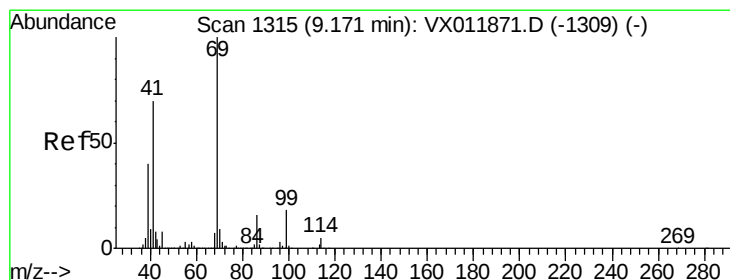
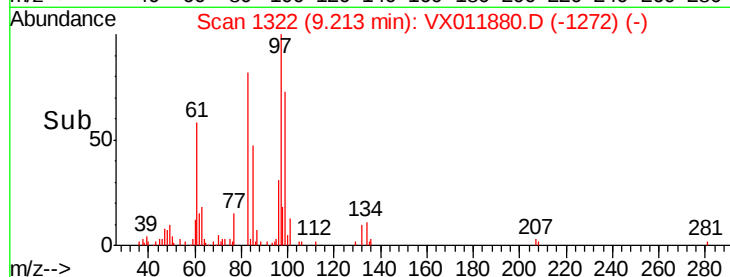
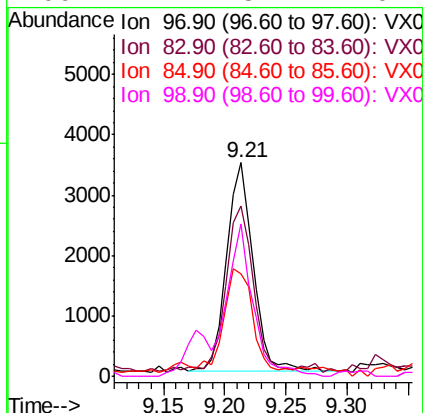
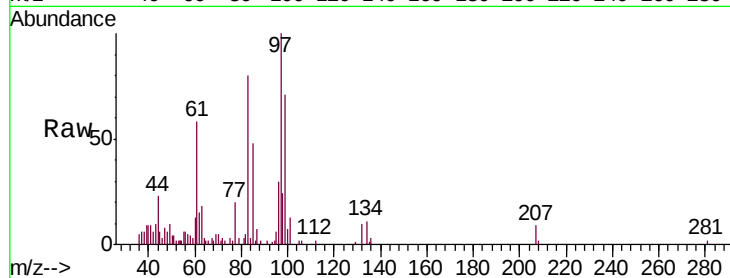




#55
 1,1,2-Trichloroethane
 Concen: 2.501 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.01 min
 Lab File: VX011880.D
 Acq: 28 Aug 2019 20:39

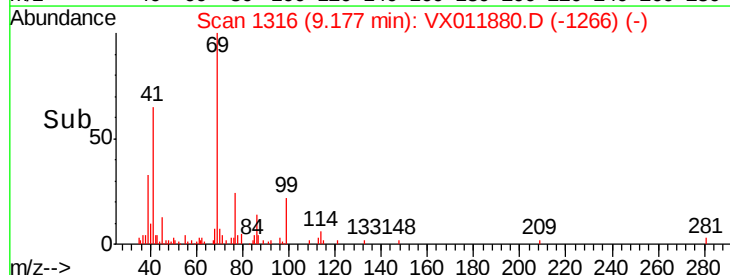
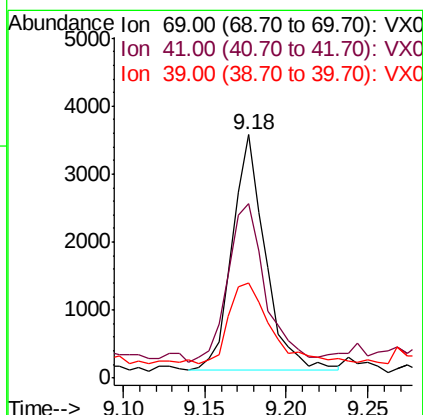
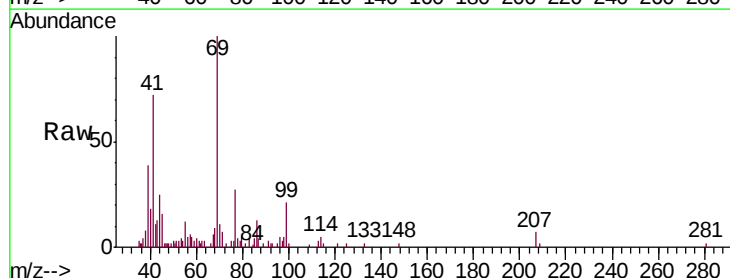
Instrument :
 MSVOA_X
 ClientSampled :

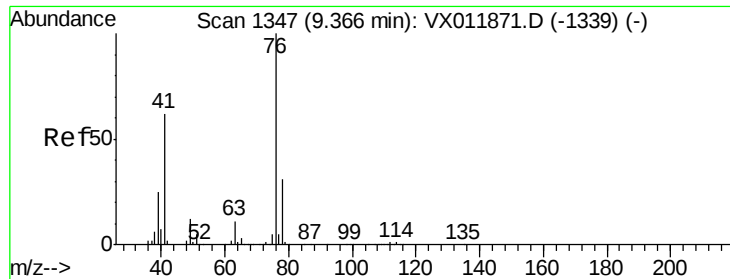
Tot Ion:	97	Resp:	5131
Ion	Ratio	Lower	Upper
97	100		
83	79.7	67.6	101.4
85	46.4	42.9	64.3
99	71.1	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 2.439 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VX011880.D
 Acq: 28 Aug 2019 20:39

Tgt Ion:	69	Resp:	4879
Ion	Ratio	Lower	Upper
69	100		
41	75.5	55.9	83.9
39	43.7	31.9	47.9





#57

1,3-Dichloropropane

Concen: 2.409 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.01 min

Lab File: VX011880.D

Acq: 28 Aug 2019 20:39

Instrument :

MSVOA_X

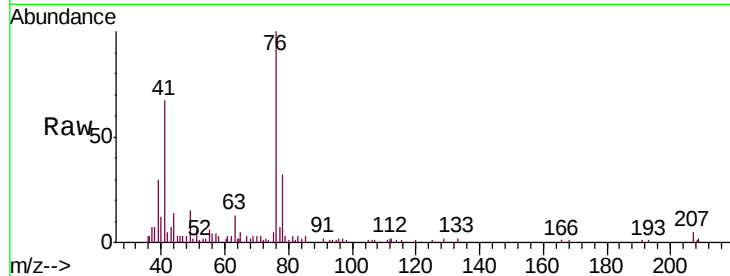
ClientSampleId :

Tot Ion: 76 Resp: 8215

Ion Ratio Lower Upper

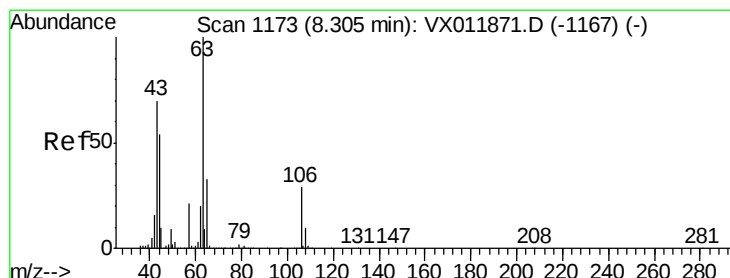
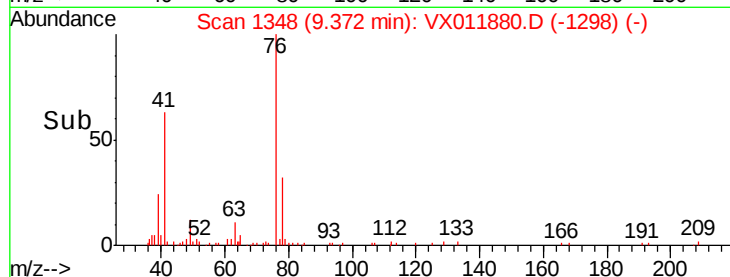
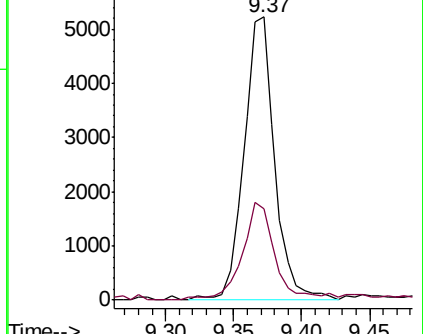
76 100

78 36.8 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 35.543 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VX011880.D

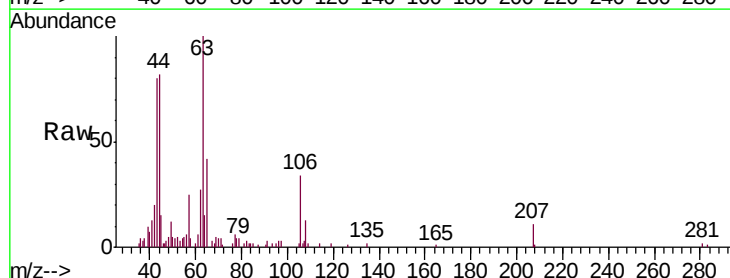
Acq: 28 Aug 2019 20:39

Tgt Ion: 63 Resp: 6457

Ion Ratio Lower Upper

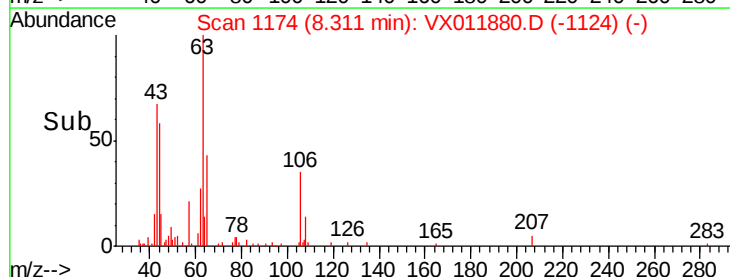
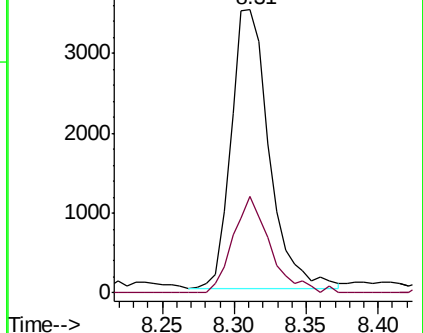
63 100

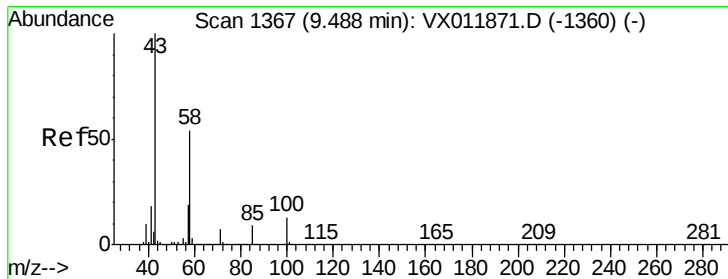
106 34.0 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

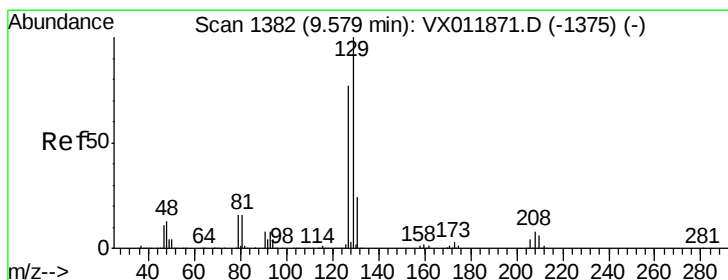
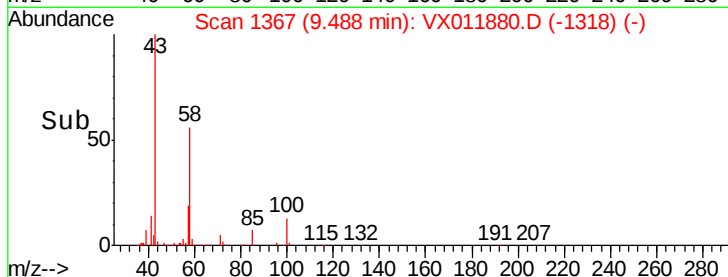
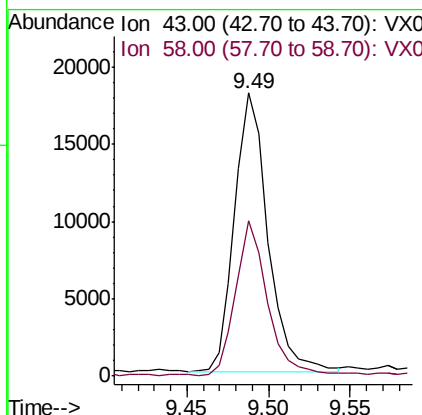
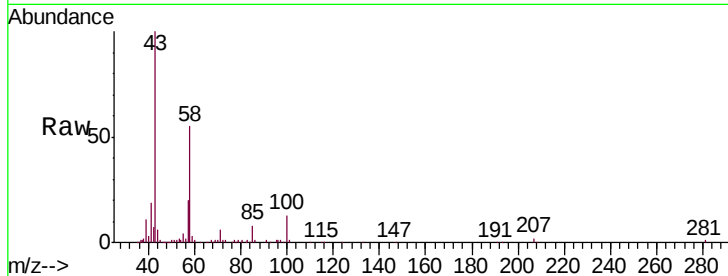




#59
2-Hexanone
Concen: 32.800 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX011880.D
Acq: 28 Aug 2019 20:39

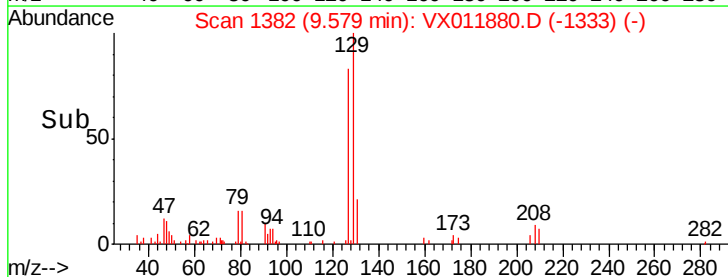
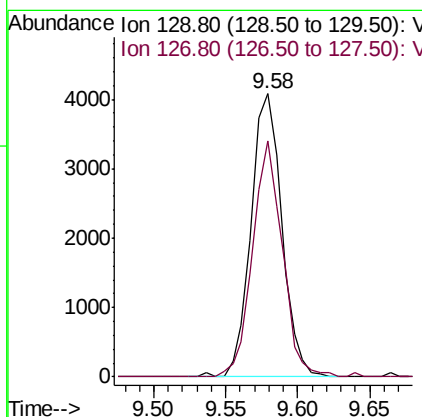
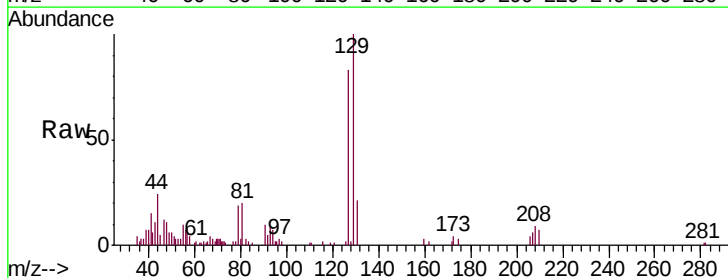
Instrument :
MSVOA_X
ClientSampleId :

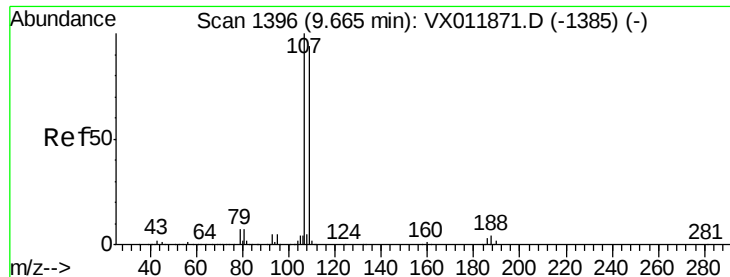
Tot Ion: 43 Resp: 25829
Ion Ratio Lower Upper
43 100
58 52.9 26.7 80.1



#60
Dibromochloromethane
Concen: 2.209 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX011880.D
Acq: 28 Aug 2019 20:39

Tgt Ion: 129 Resp: 6033
Ion Ratio Lower Upper
129 100
127 80.3 38.3 114.8





#61

1,2-Dibromoethane

Concen: 2.522 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.01 min

Lab File: VX011880.D

Acq: 28 Aug 2019 20:39

Instrument :

MSVOA_X

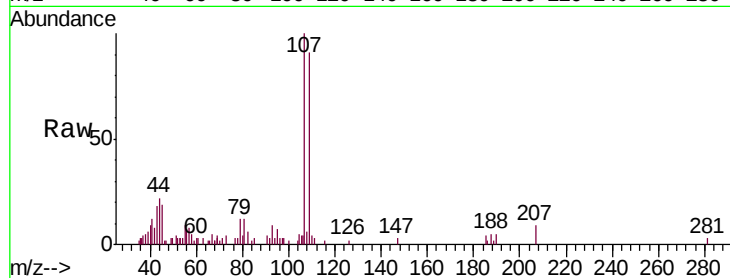
ClientSampleId :

Tot Ion:107 Resp: 5066

Ion Ratio Lower Upper

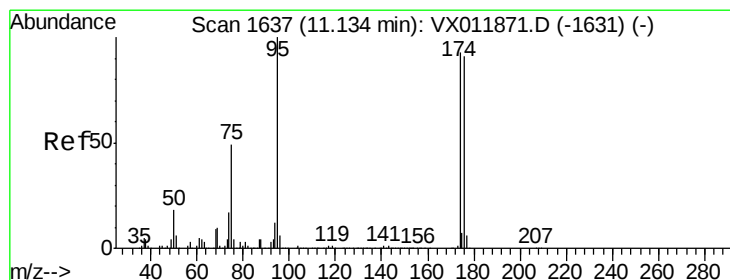
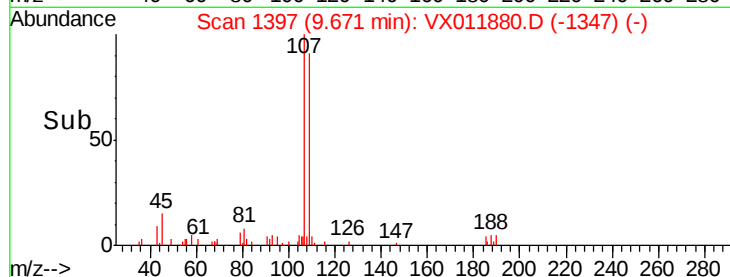
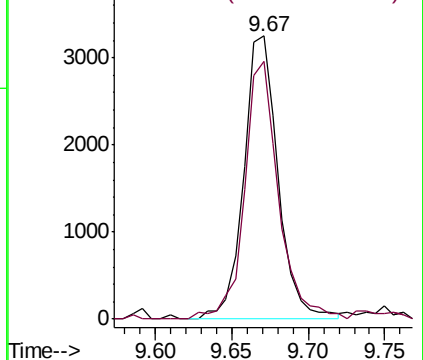
107 100

109 90.2 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.493 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011880.D

Acq: 28 Aug 2019 20:39

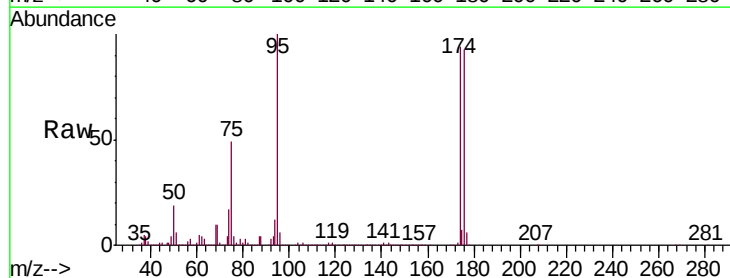
Tgt Ion: 95 Resp: 213246

Ion Ratio Lower Upper

95 100

174 94.9 0.0 189.2

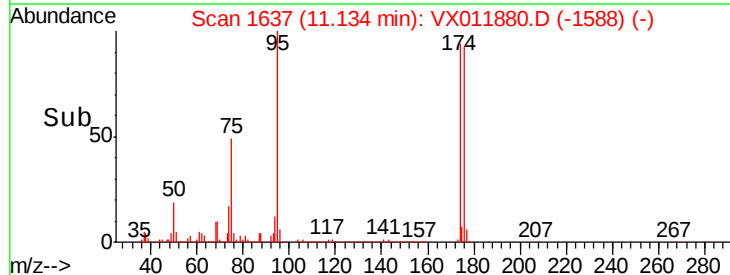
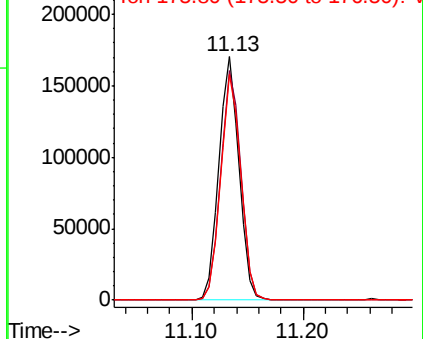
176 92.8 0.0 185.6

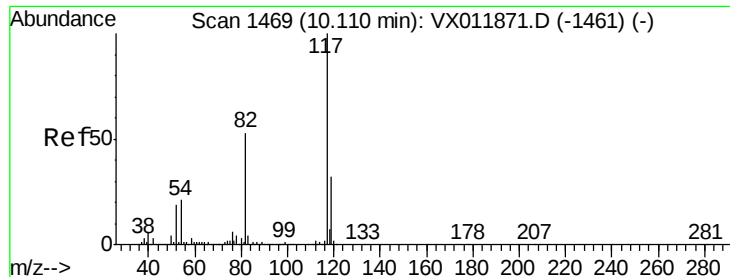


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

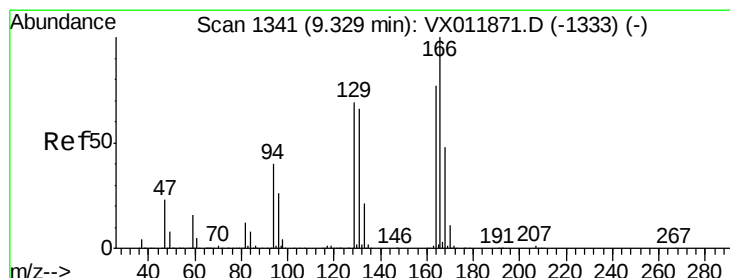
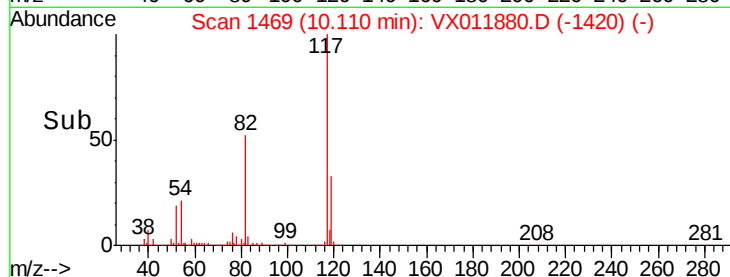
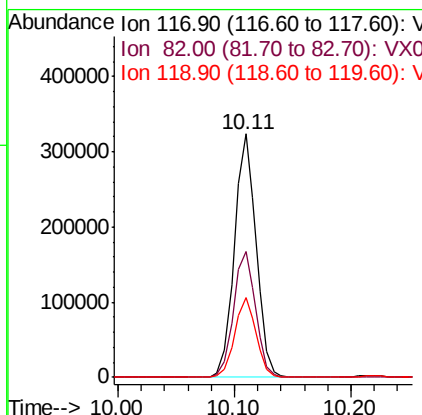
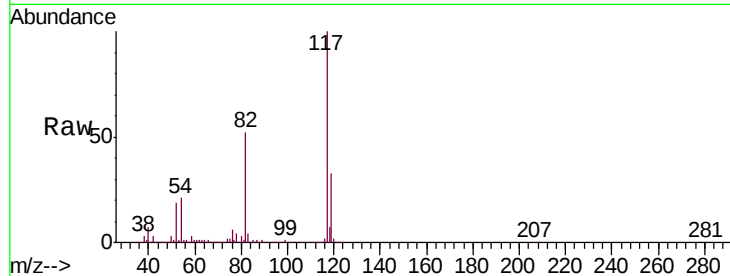




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011880.D
Acq: 28 Aug 2019 20:39

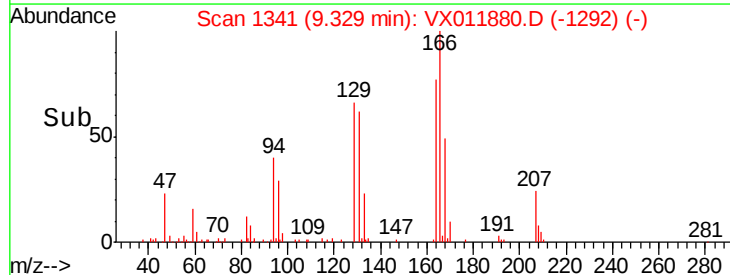
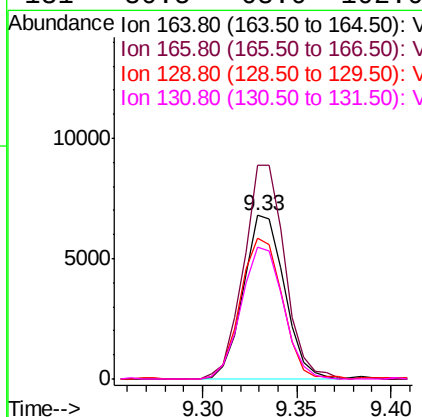
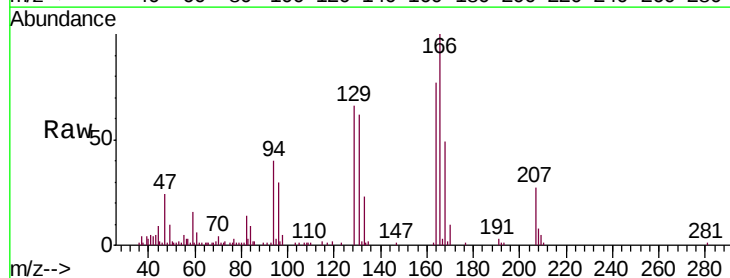
Instrument :
MSVOA_X
ClientSampleId :

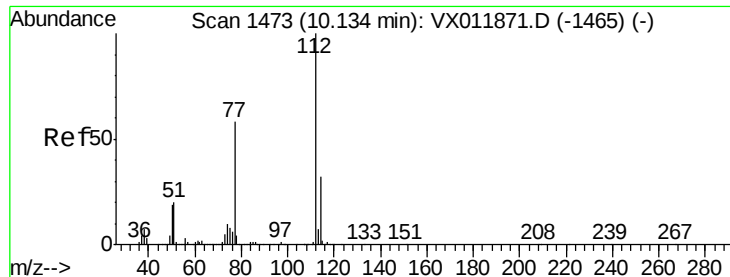
Tot Ion:117 Resp: 420030
Ion Ratio Lower Upper
117 100
82 51.8 42.4 63.6
119 32.6 25.5 38.3



#64
Tetrachloroethene
Concen: 2.511 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VX011880.D
Acq: 28 Aug 2019 20:39

Tgt Ion:164 Resp: 10265
Ion Ratio Lower Upper
164 100
166 130.6 103.6 155.4
129 86.4 71.4 107.2
131 80.5 68.0 102.0

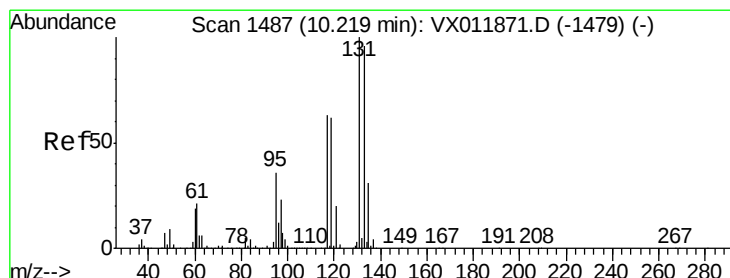
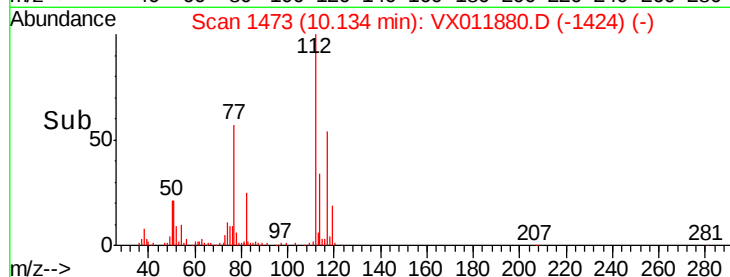
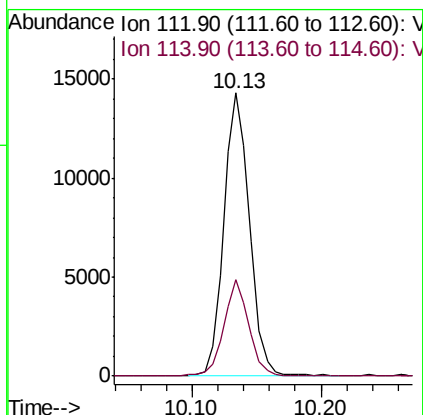
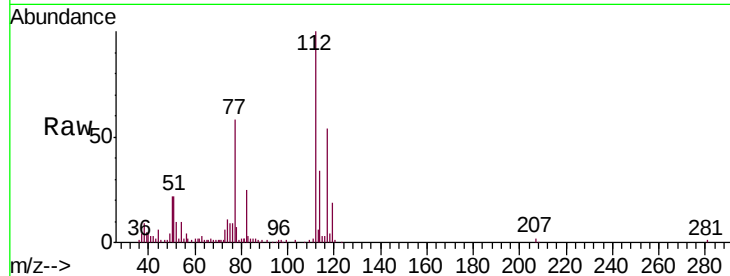




#65
Chlorobenzene
Concen: 2.574 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX011880.D
Acq: 28 Aug 2019 20:39

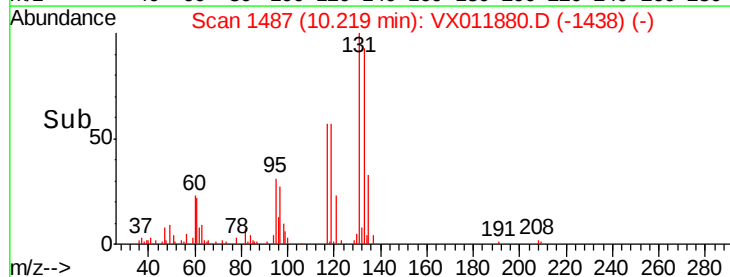
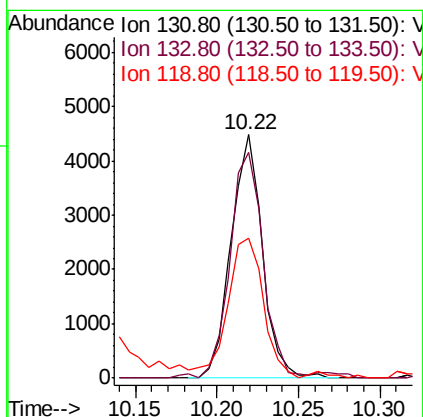
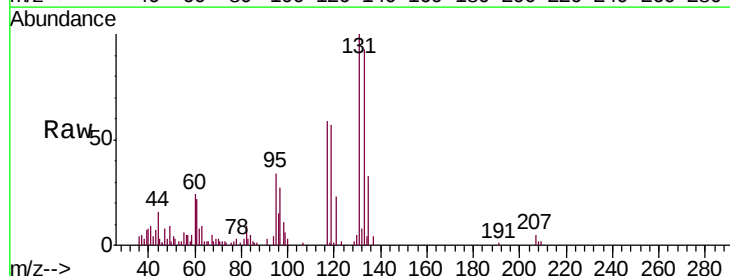
Instrument :
MSVOA_X
ClientSampleId :

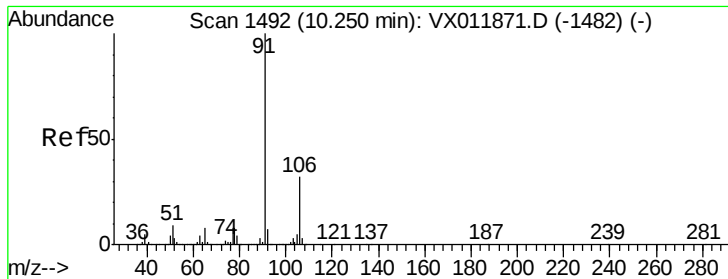
Tot Ion:112 Resp: 20024
Ion Ratio Lower Upper
112 100
114 33.8 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 2.100 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX011880.D
Acq: 28 Aug 2019 20:39

Tgt Ion:131 Resp: 5994
Ion Ratio Lower Upper
131 100
133 98.5 47.8 143.3
119 0.0 31.1 93.5#

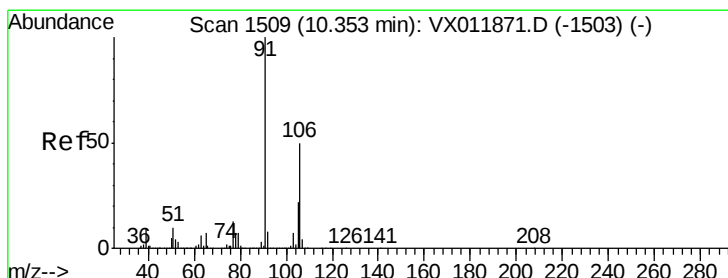
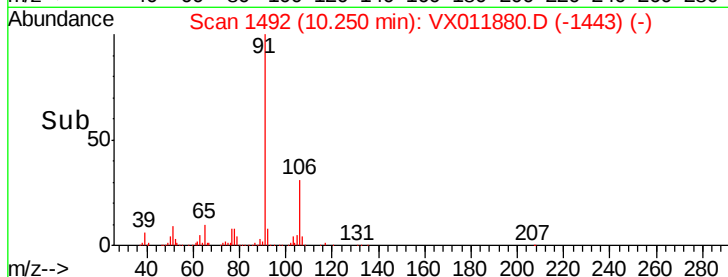
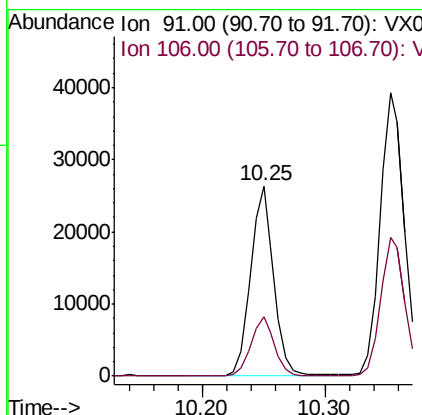
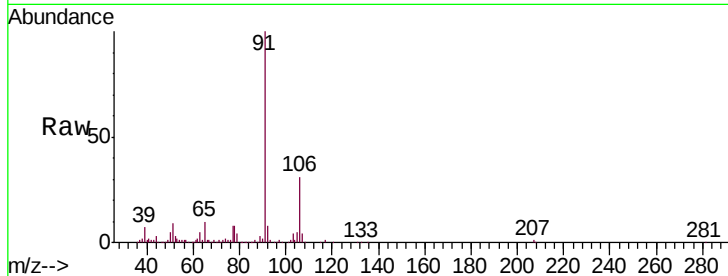




#67
Ethyl Benzene
Concen: 2.566 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX011880.D
Acq: 28 Aug 2019 20:39

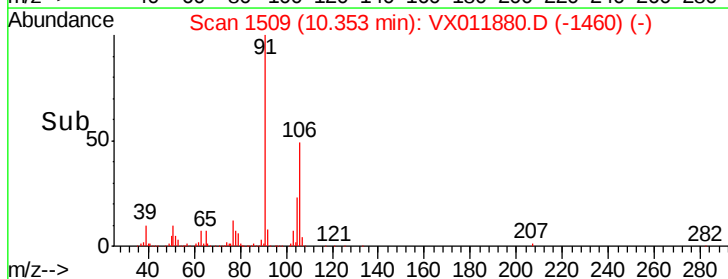
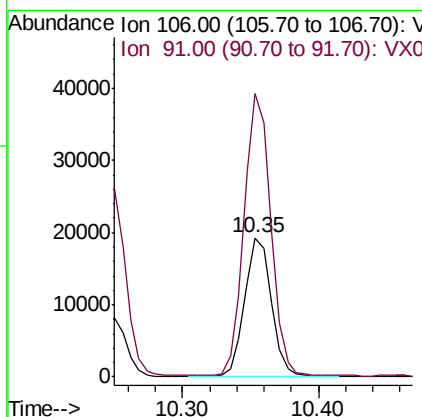
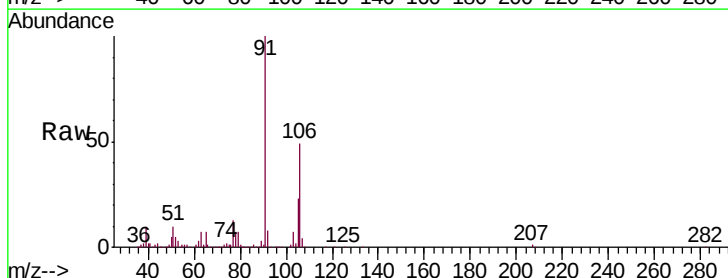
Instrument :
MSVOA_X
ClientSampleId :

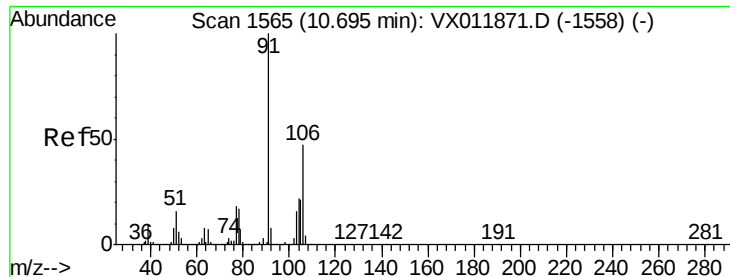
Tot Ion: 91 Resp: 34291
Ion Ratio Lower Upper
91 100
106 30.8 25.5 38.3



#68
m/p-Xylenes
Concen: 5.272 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.00 min
Lab File: VX011880.D
Acq: 28 Aug 2019 20:39

Tgt Ion: 106 Resp: 26813
Ion Ratio Lower Upper
106 100
91 202.7 158.9 238.3

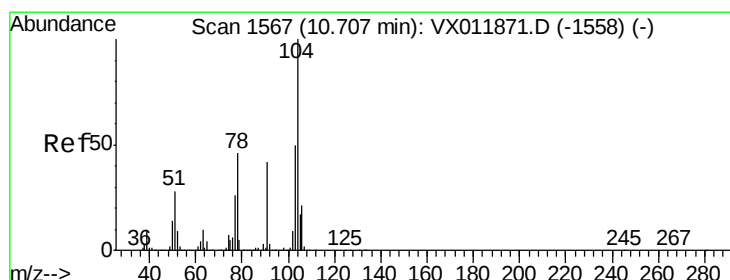
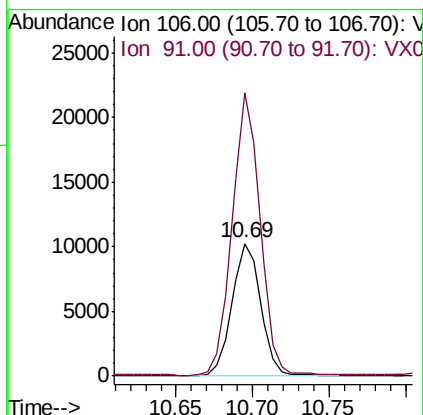
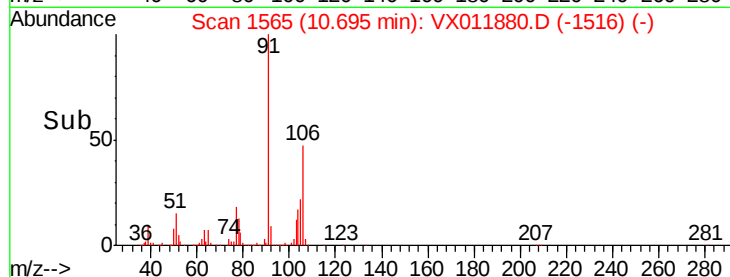
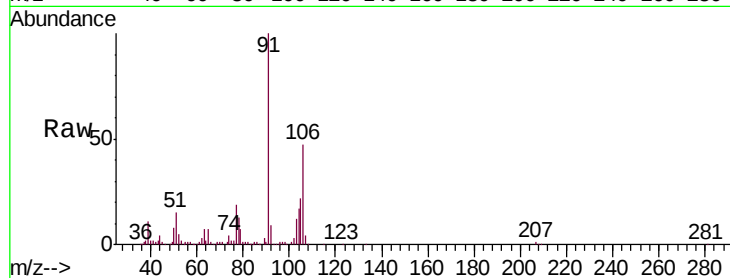




#69
o-Xylene
Concen: 2.805 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011880.D
Acq: 28 Aug 2019 20:39

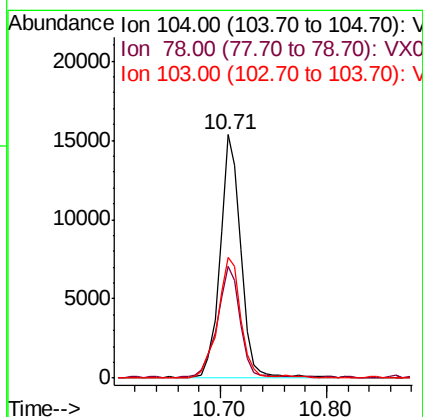
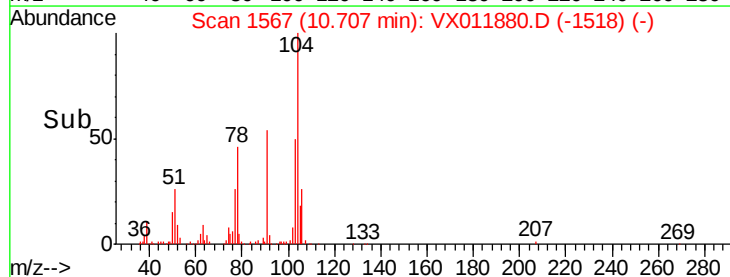
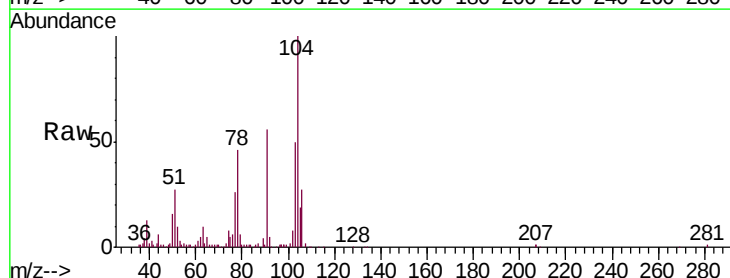
Instrument :
MSVOA_X
ClientSampled :

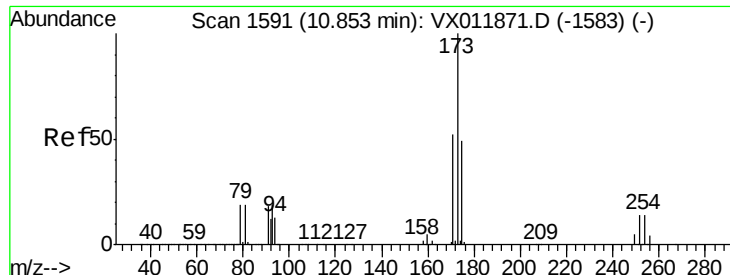
Tot Ion:106 Resp: 13423
Ion Ratio Lower Upper
106 100
91 205.8 105.6 316.8



#70
Styrene
Concen: 2.636 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX011880.D
Acq: 28 Aug 2019 20:39

Tgt Ion:104 Resp: 20862
Ion Ratio Lower Upper
104 100
78 51.8 40.4 60.6
103 54.4 43.5 65.3

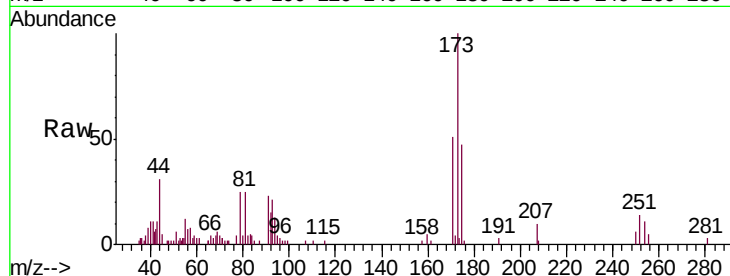




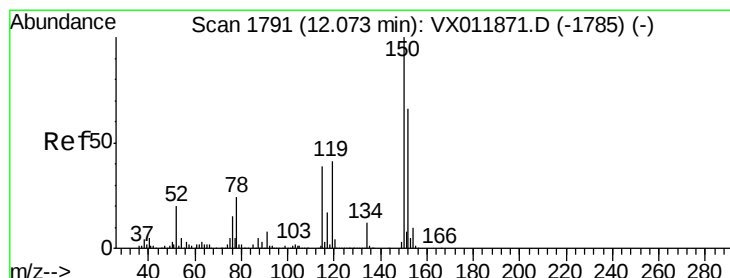
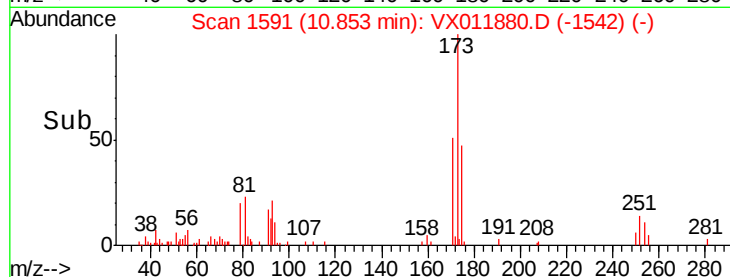
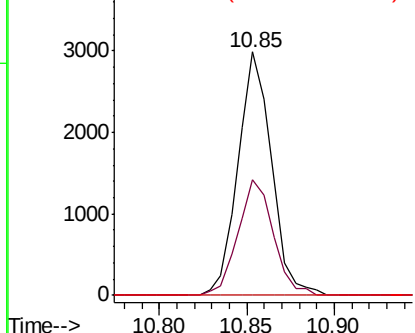
#71
Bromoform
Concen: 2.156 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX011880.D
Acq: 28 Aug 2019 20:39

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:173 Resp: 3986
Ion Ratio Lower Upper
173 100
175 49.9 23.8 71.2
254 0.0 0.2 0.2#

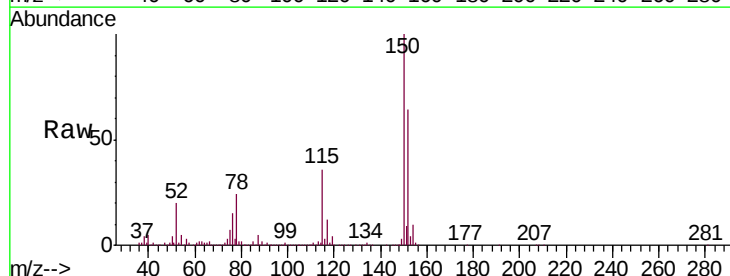


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

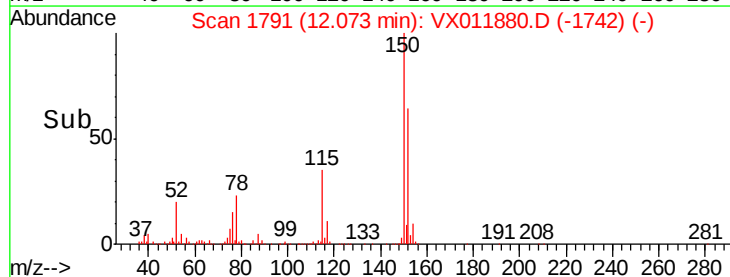
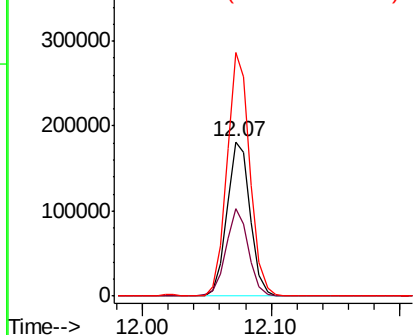


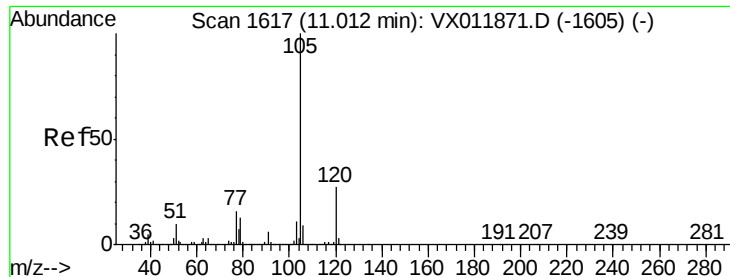
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.00 min
Lab File: VX011880.D
Acq: 28 Aug 2019 20:39

Tgt Ion:152 Resp: 228756
Ion Ratio Lower Upper
152 100
115 55.4 36.0 108.1
150 155.2 0.0 341.4



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





#73

Isopropylbenzene

Concen: 3.062 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. -0.00 min

Lab File: VX011880.D

Acq: 28 Aug 2019 20:39

Instrument :

MSVOA_X

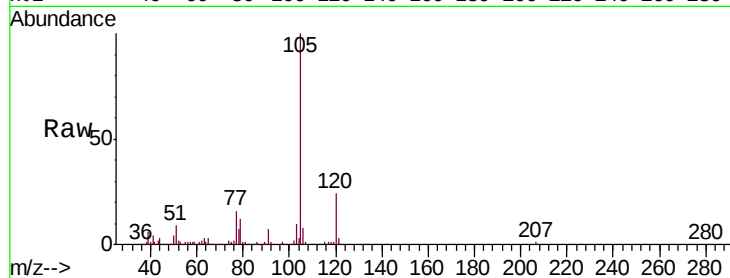
ClientSampleId :

Tot Ion:105 Resp: 40454

Ion Ratio Lower Upper

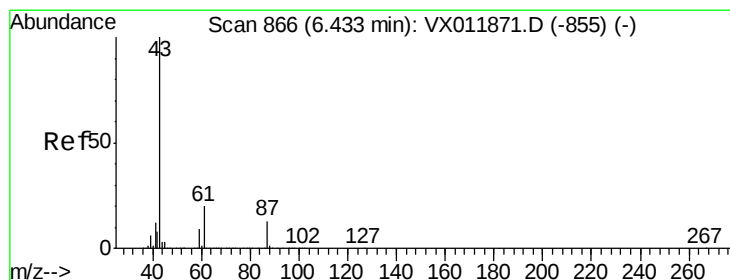
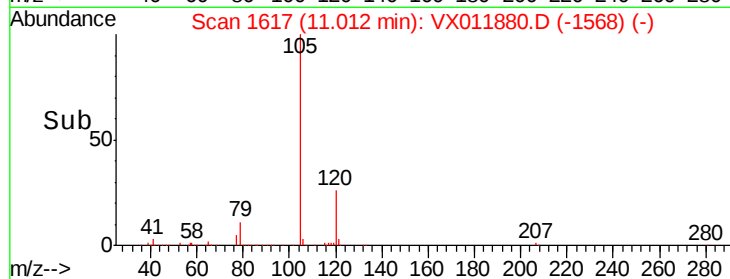
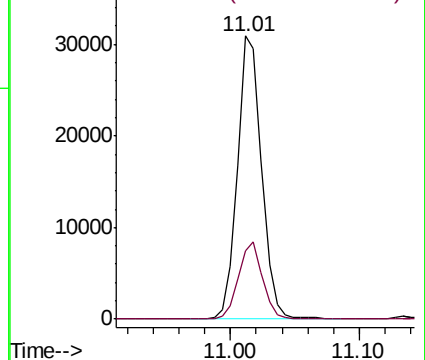
105 100

120 27.0 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 2.303 ug/l

RT: 6.44 min Scan# 867

Delta R.T. 0.01 min

Lab File: VX011880.D

Acq: 28 Aug 2019 20:39

Tgt Ion: 43 Resp: 7662

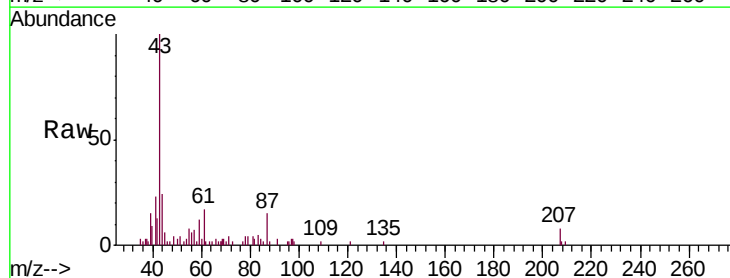
Ion Ratio Lower Upper

43 100

70 2.0 0.1 0.1#

55 1.2 0.1 0.1#

61 22.0 15.6 23.4

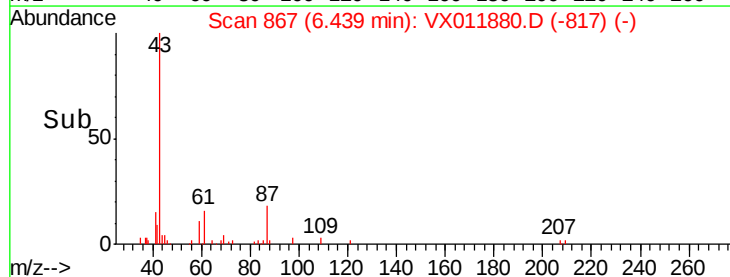
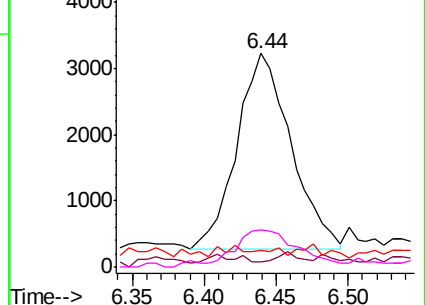


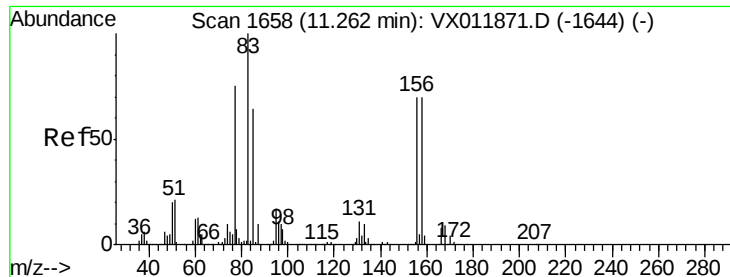
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 2.236 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VX011880.D

Acq: 28 Aug 2019 20:39

Instrument :

MSVOA_X

ClientSampleId :

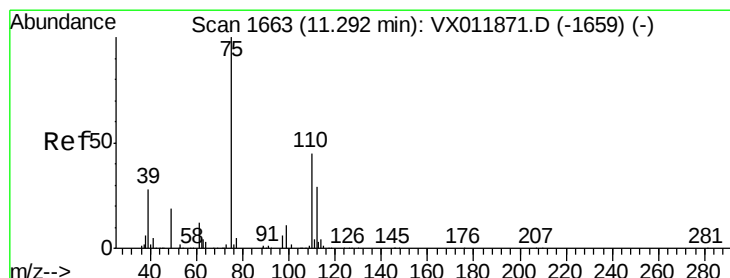
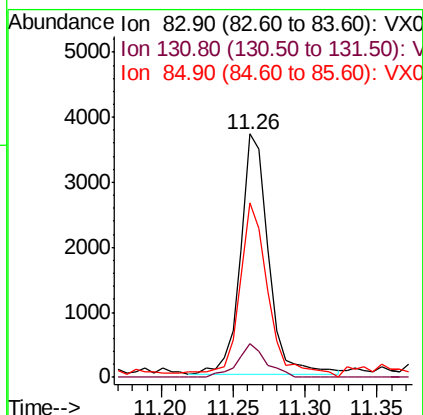
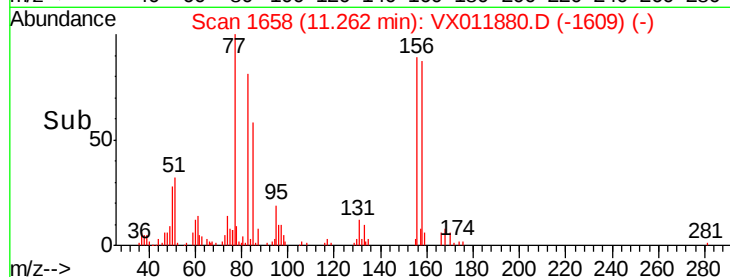
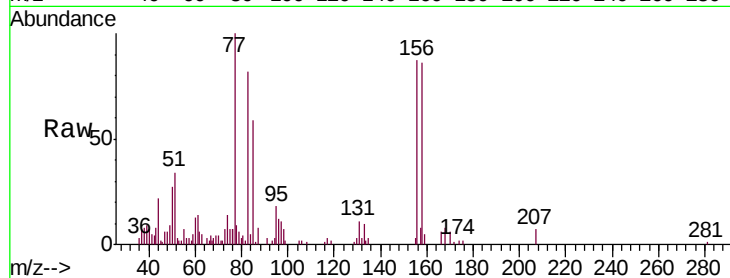
Tot Ion: 83 Resp: 4942

Ion Ratio Lower Upper

83 100

131 14.3 6.0 18.1

85 76.1 31.9 95.9



#76

1,2,3-Trichloropropane

Concen: 2.359 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX011880.D

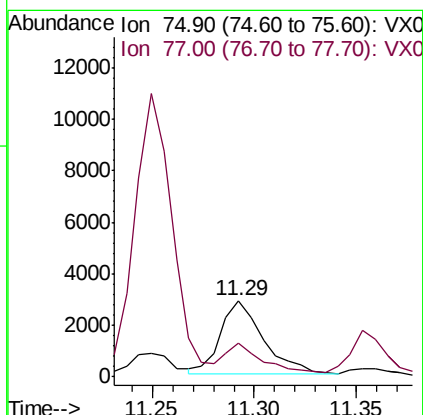
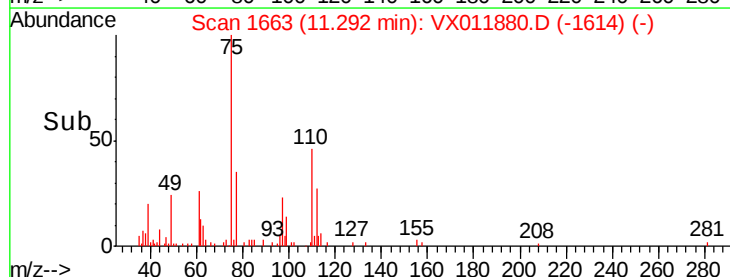
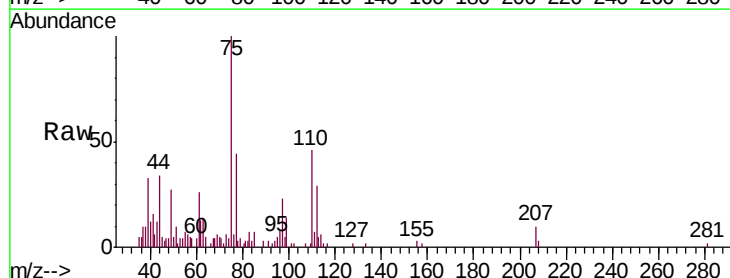
Acq: 28 Aug 2019 20:39

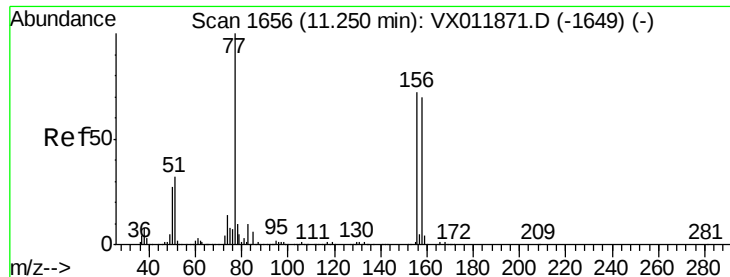
Tgt Ion: 75 Resp: 4144

Ion Ratio Lower Upper

75 100

77 38.6 19.5 58.5





#77

Bromobenzene

Concen: 2.773 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.00 min

Lab File: VX011880.D

Acq: 28 Aug 2019 20:39

Instrument :

MSVOA_X

ClientSampleId :

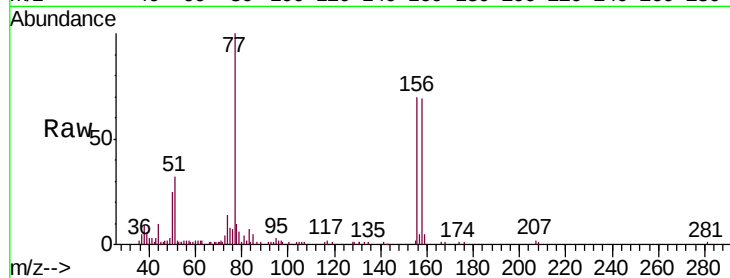
Tot Ion:156 Resp: 10212

Ion Ratio Lower Upper

156 100

77 137.3 69.4 208.2

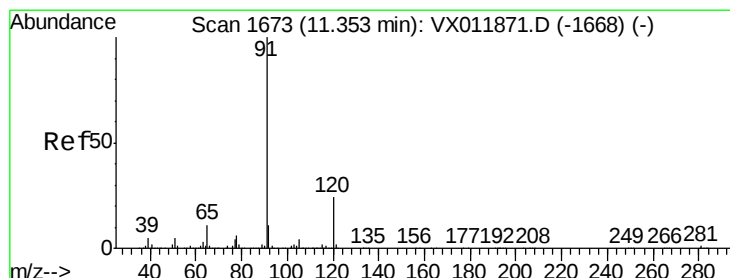
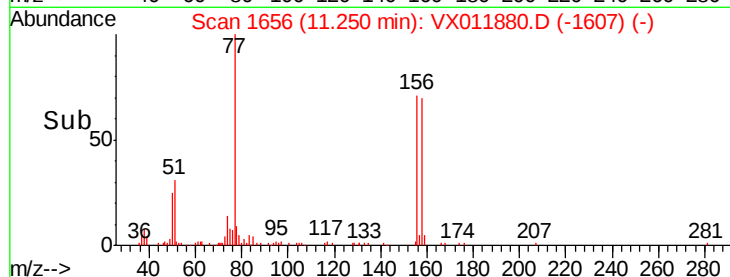
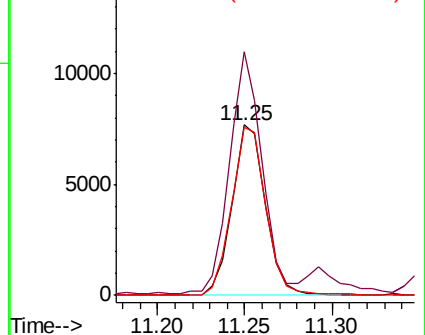
158 100.8 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 3.382 ug/l

RT: 11.35 min Scan# 1673

Delta R.T. -0.00 min

Lab File: VX011880.D

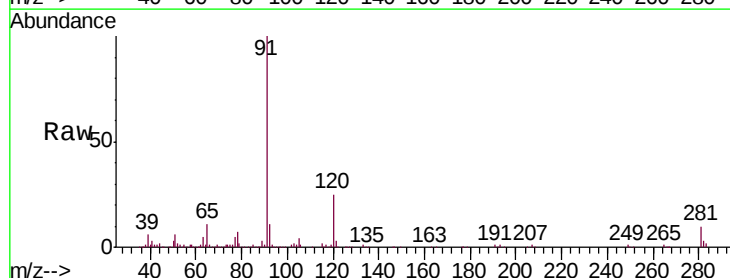
Acq: 28 Aug 2019 20:39

Tgt Ion: 91 Resp: 49151

Ion Ratio Lower Upper

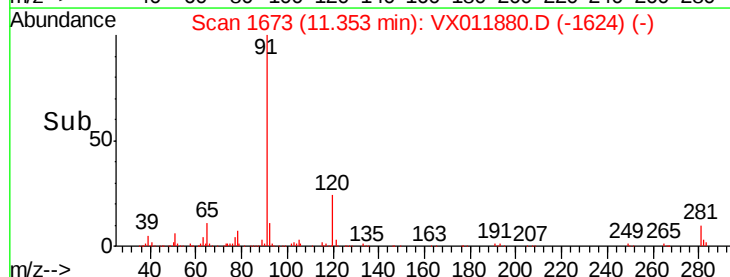
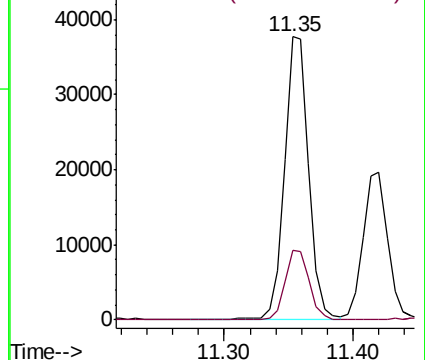
91 100

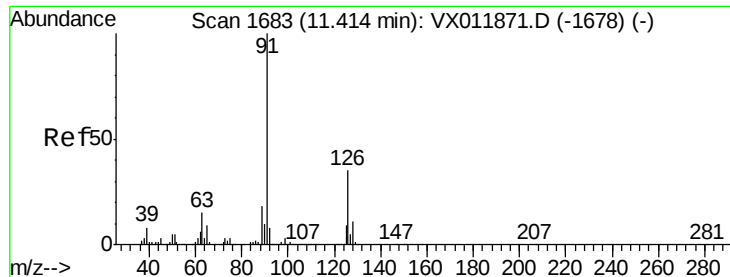
120 24.9 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 2.777 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VX011880.D

Acq: 28 Aug 2019 20:39

Instrument :

MSVOA_X

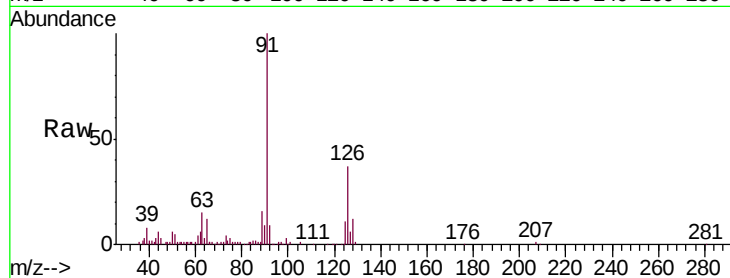
ClientSampleId :

Tot Ion: 91 Resp: 25291

Ion Ratio Lower Upper

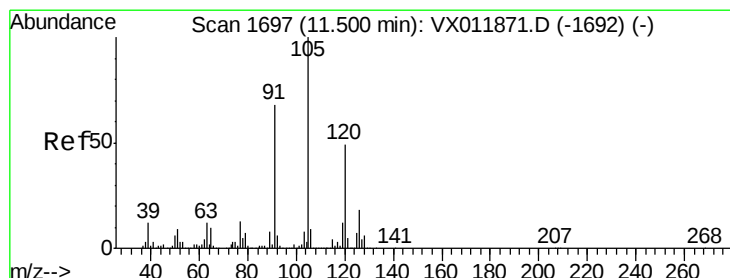
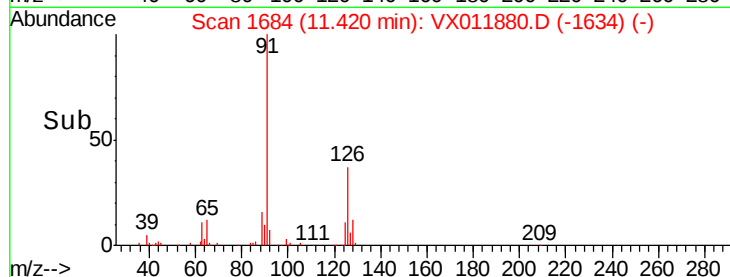
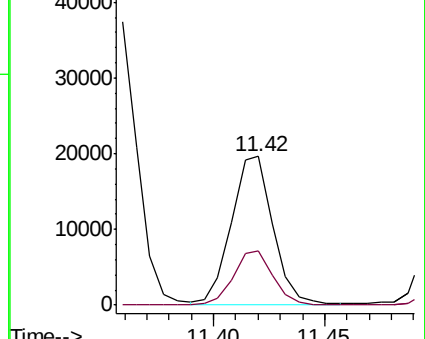
91 100

126 35.8 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VX011871.D (-1678) (-)

Ion 125.90 (125.60 to 126.60): VX011871.D (-1678) (-)



#80

1,3,5-Trimethylbenzene

Concen: 3.152 ug/l

RT: 11.50 min Scan# 1697

Delta R.T. -0.00 min

Lab File: VX011880.D

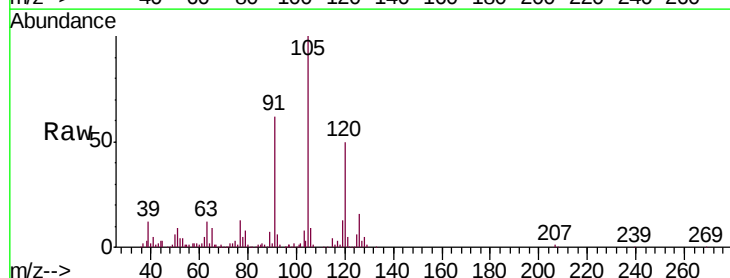
Acq: 28 Aug 2019 20:39

Tgt Ion:105 Resp: 34937

Ion Ratio Lower Upper

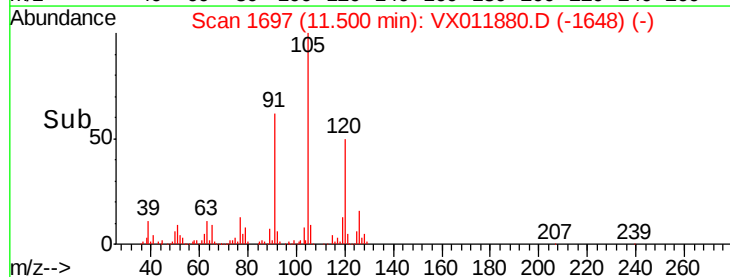
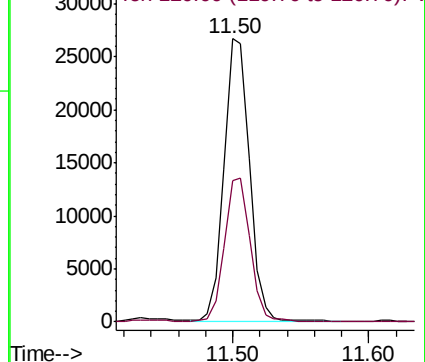
105 100

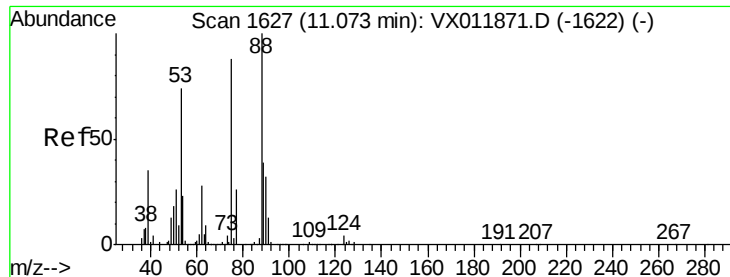
120 51.0 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): VX011871.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX011871.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 222.146 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011880.D

Acq: 28 Aug 2019 20:39

Instrument :

MSVOA_X

ClientSampleId :

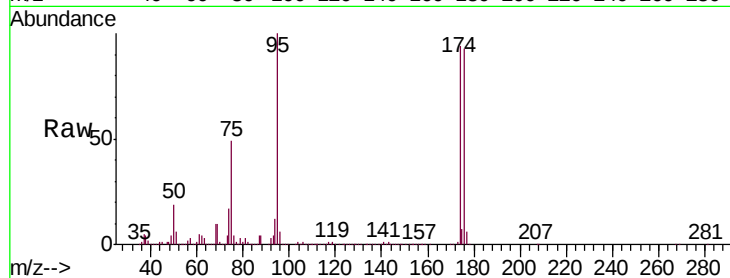
Tot Ion: 75 Resp: 106037

Ion Ratio Lower Upper

75 100

53 0.1 73.3 109.9#

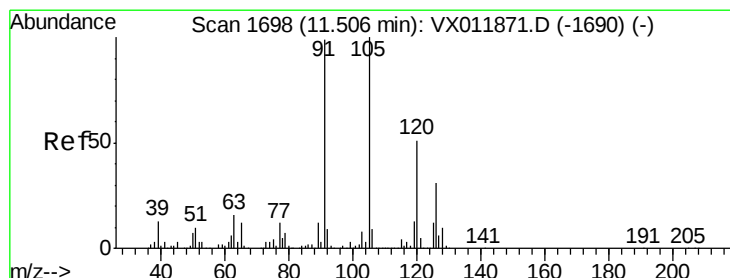
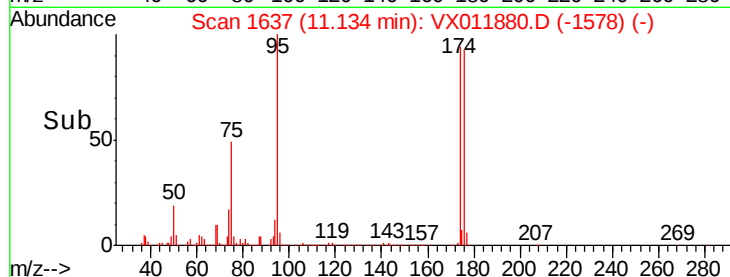
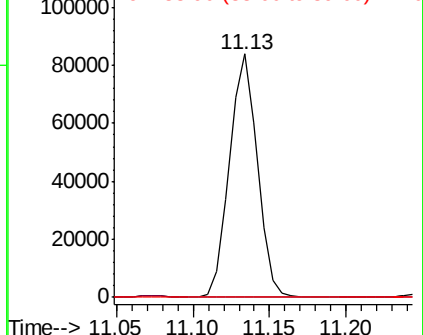
89 0.0 37.4 56.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 2.947 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011880.D

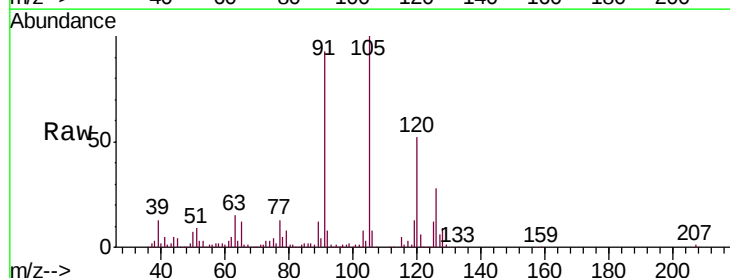
Acq: 28 Aug 2019 20:39

Tgt Ion: 91 Resp: 31109

Ion Ratio Lower Upper

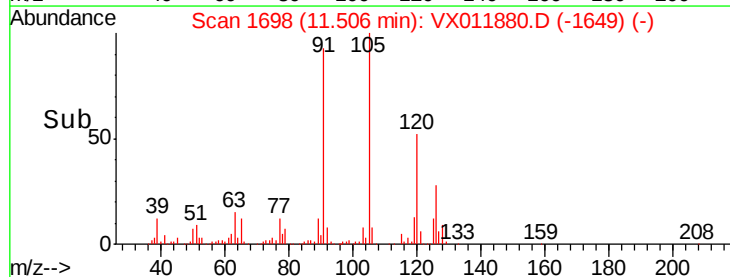
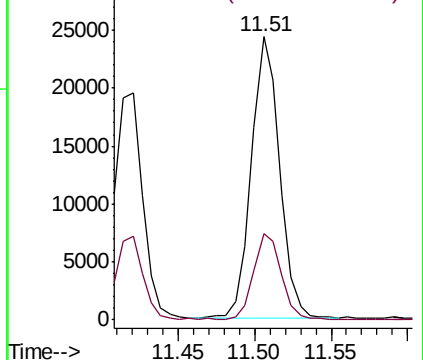
91 100

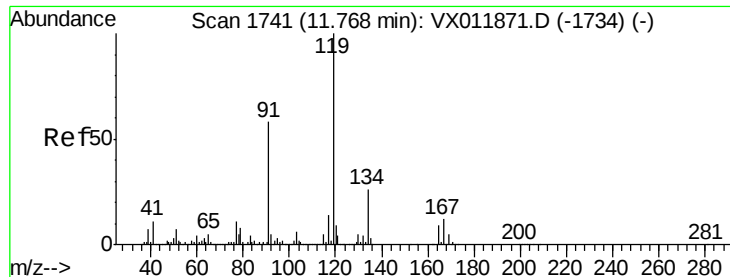
126 30.9 15.4 46.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

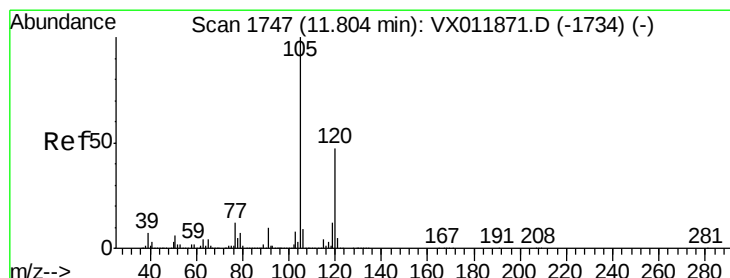
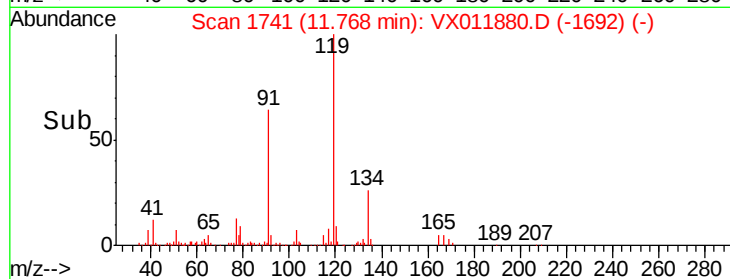
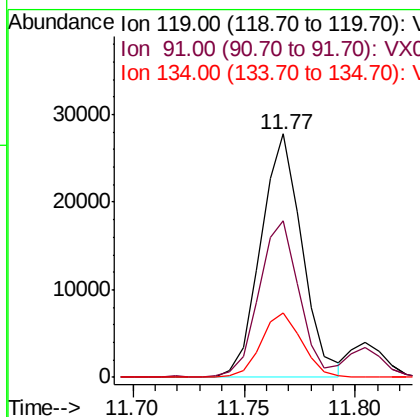
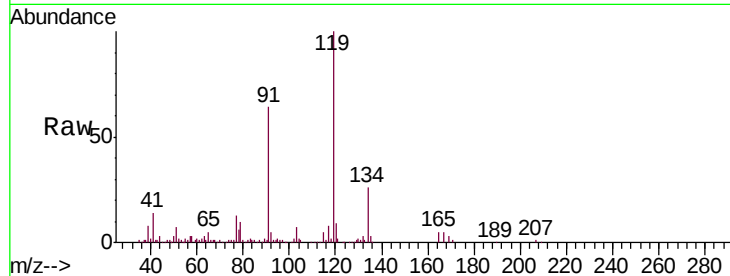




#83
 tert-Butylbenzene
 Concen: 3.472 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX011880.D
 Acq: 28 Aug 2019 20:39

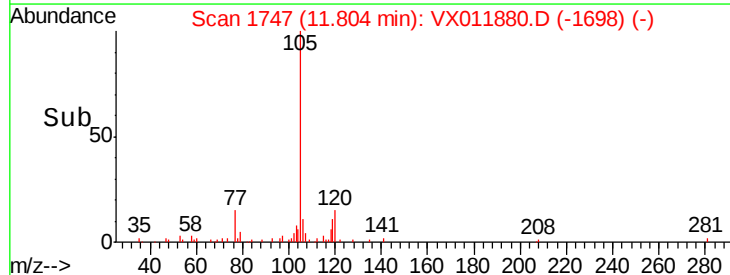
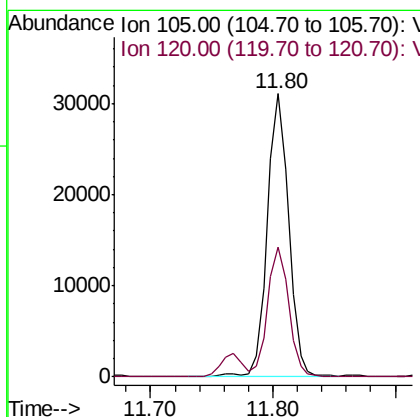
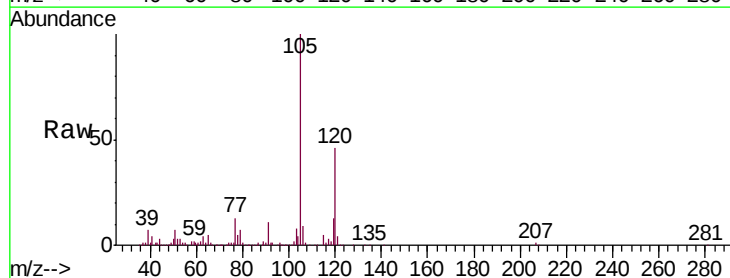
Instrument :
 MSVOA_X
 ClientSampleId :

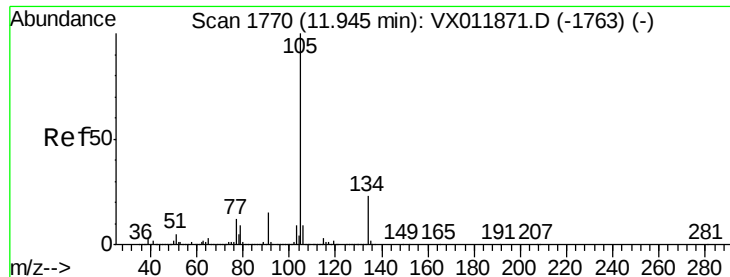
Tot Ion:119 Resp: 35765
 Ion Ratio Lower Upper
 119 100
 91 61.8 28.6 85.8
 134 26.1 12.4 37.2



#84
 1,2,4-Trimethylbenzene
 Concen: 3.620 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX011880.D
 Acq: 28 Aug 2019 20:39

Tgt Ion:105 Resp: 38055
 Ion Ratio Lower Upper
 105 100
 120 44.9 23.4 70.0





#85

sec-Butylbenzene

Concen: 4.062 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011880.D

Acq: 28 Aug 2019 20:39

Instrument :

MSVOA_X

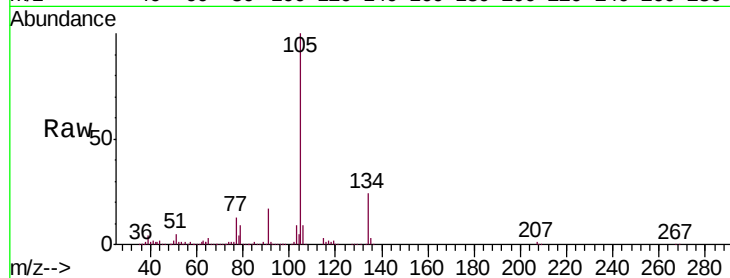
ClientSampleId :

Tot Ion:105 Resp: 48607

Ion Ratio Lower Upper

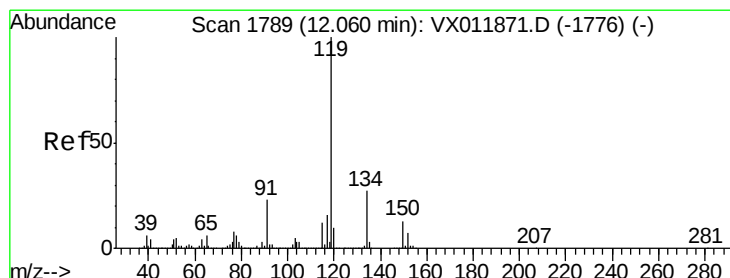
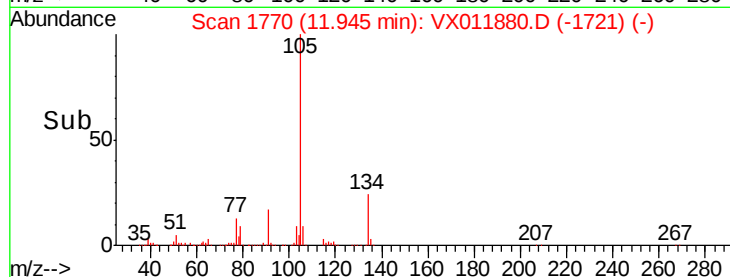
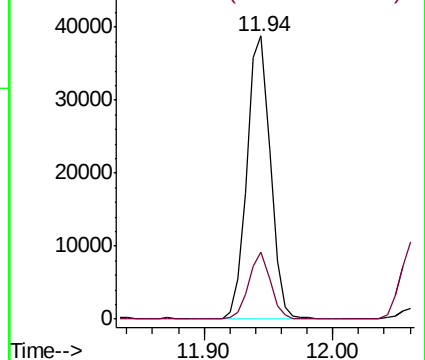
105 100

134 22.0 10.9 32.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.246 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011880.D

Acq: 28 Aug 2019 20:39

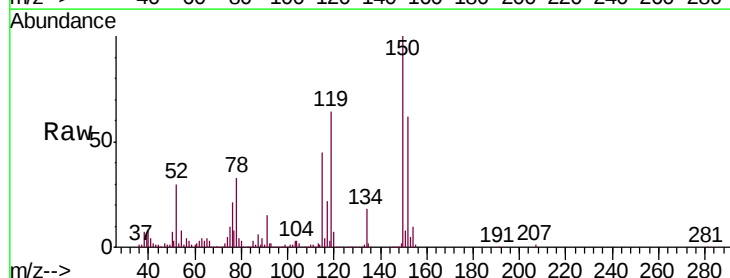
Tgt Ion:119 Resp: 46792

Ion Ratio Lower Upper

119 100

134 27.5 13.5 40.5

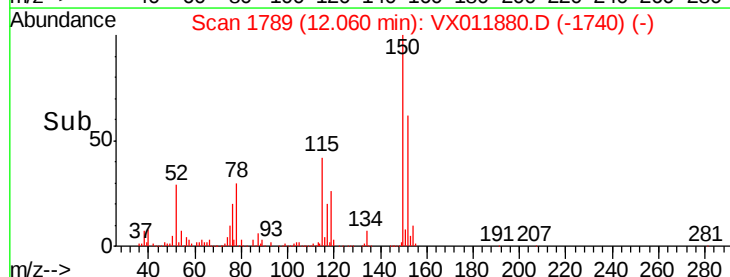
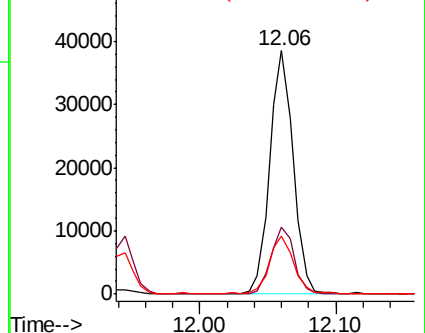
91 24.5 11.7 35.0

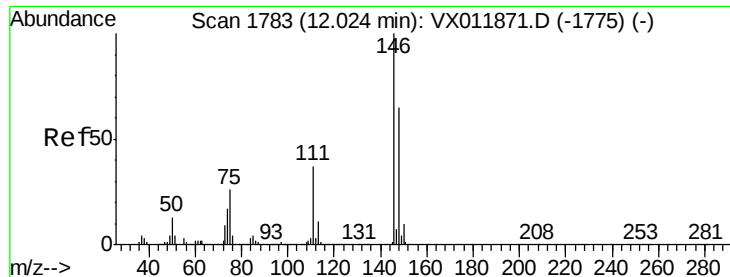


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

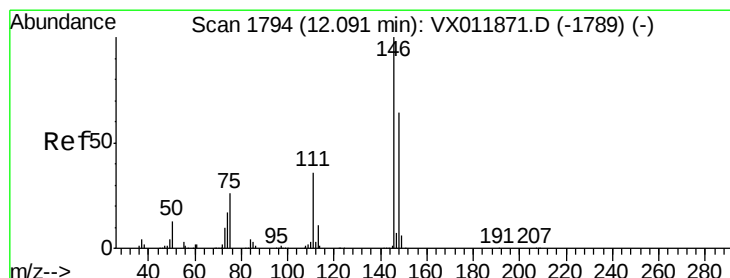
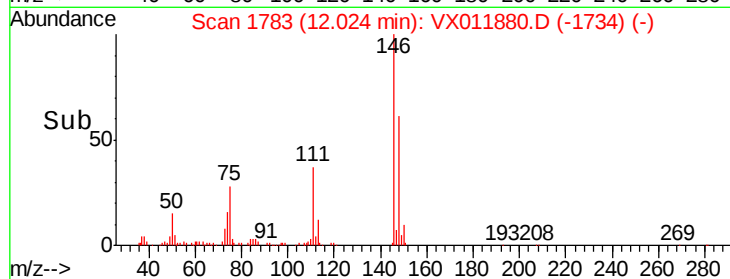
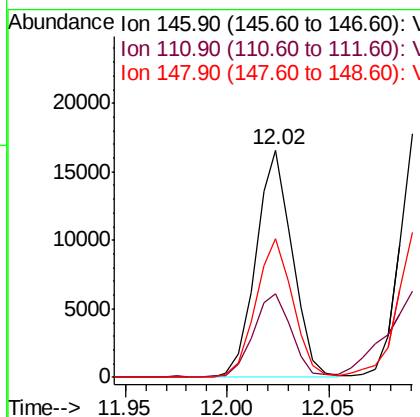
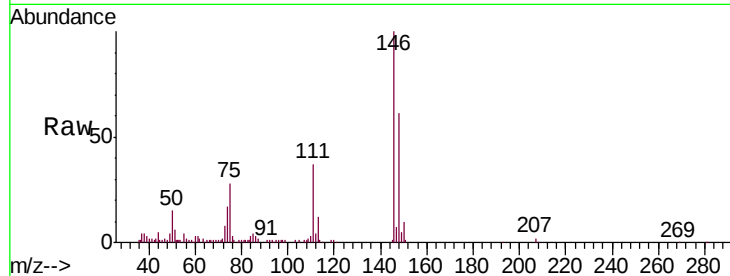




#87
 1,3-Dichlorobenzene
 Concen: 3.106 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX011880.D
 Acq: 28 Aug 2019 20:39

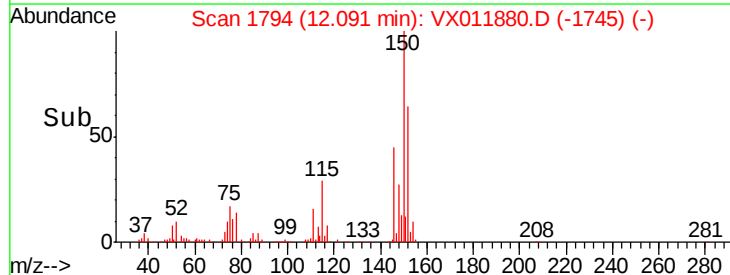
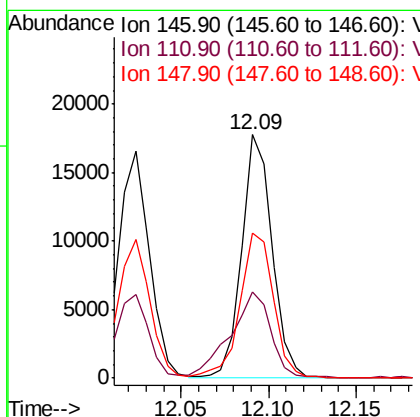
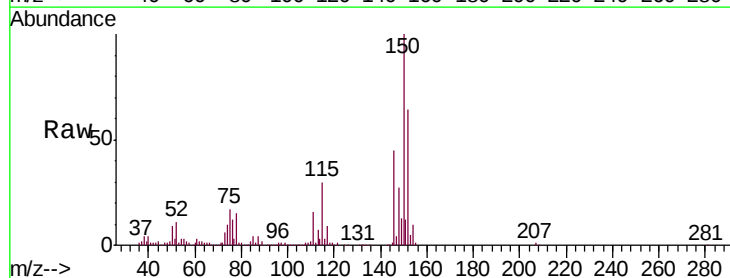
Instrument :
 MSVOA_X
 ClientSampleId :

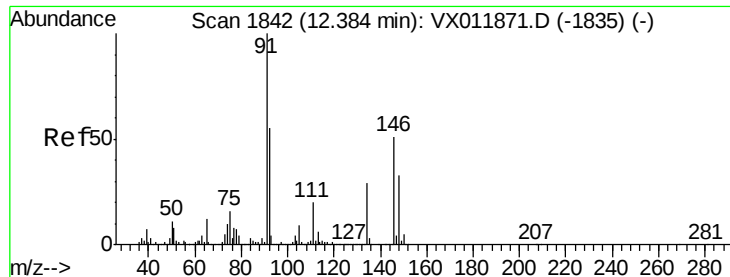
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.8	56.3
148	62.4	32.0	96.2



#88
 1,4-Dichlorobenzene
 Concen: 3.366 ug/l
 RT: 12.09 min Scan# 1794
 Delta R.T. -0.00 min
 Lab File: VX011880.D
 Acq: 28 Aug 2019 20:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.6	18.3	54.8
148	65.8	32.3	96.8

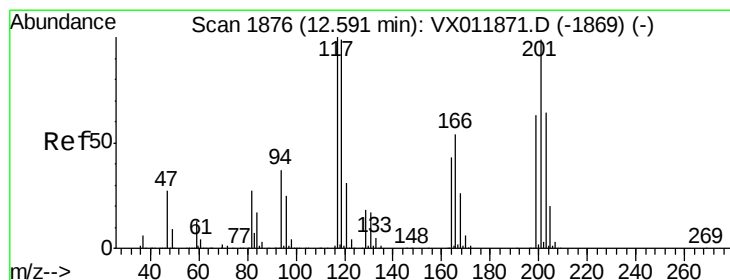
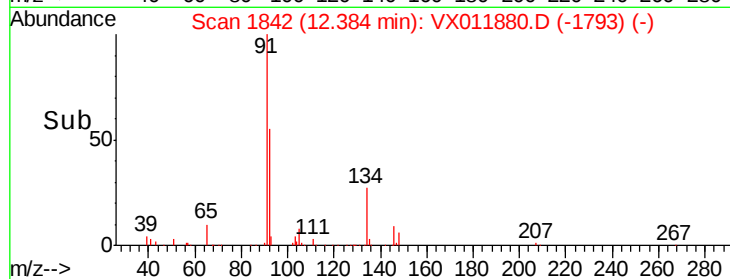
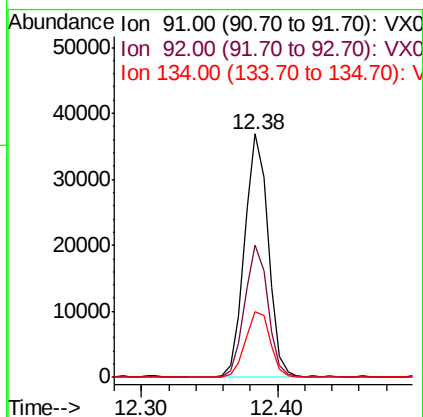
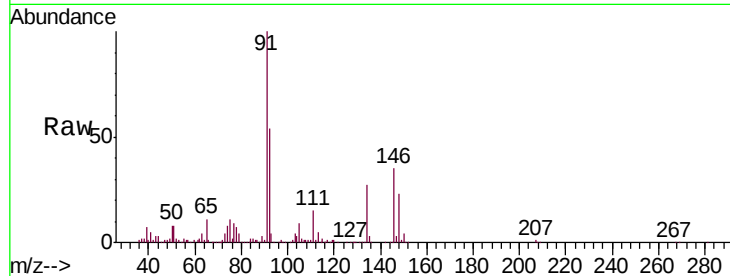




#89
n-Butylbenzene
Concen: 4.875 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX011880.D
Acq: 28 Aug 2019 20:39

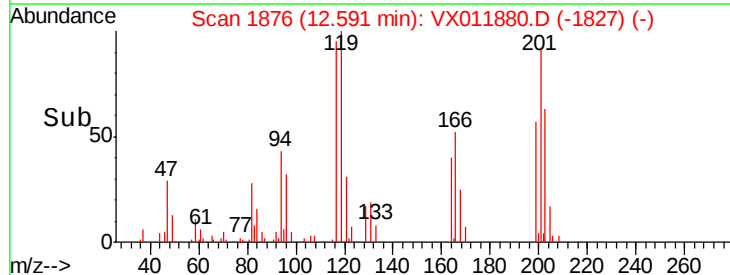
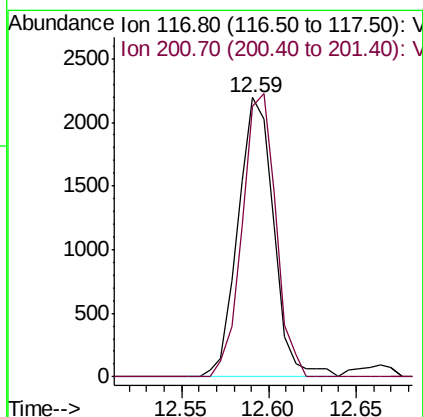
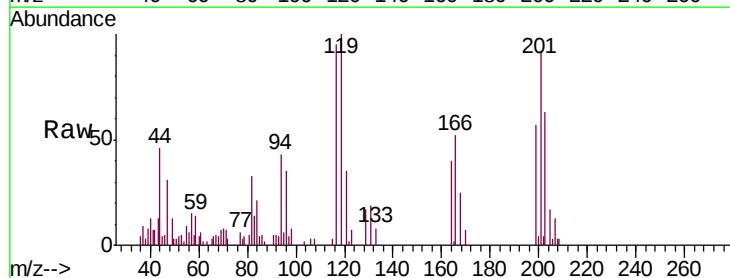
Instrument :
MSVOA_X
ClientSampleId :

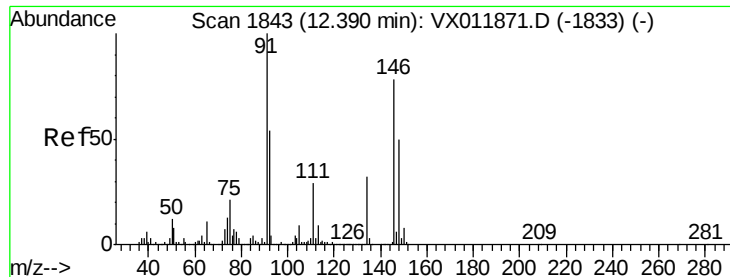
Tot Ion: 91 Resp: 44569
Ion Ratio Lower Upper
91 100
92 54.7 27.6 82.7
134 29.0 14.4 43.4



#90
Hexachloroethane
Concen: 1.758 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VX011880.D
Acq: 28 Aug 2019 20:39

Tgt Ion: 117 Resp: 3110
Ion Ratio Lower Upper
117 100
201 95.0 51.0 153.1





#91

1,2-Dichlorobenzene

Concen: 3.562 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX011880.D

Acq: 28 Aug 2019 20:39

Instrument :

MSVOA_X

ClientSampleId :

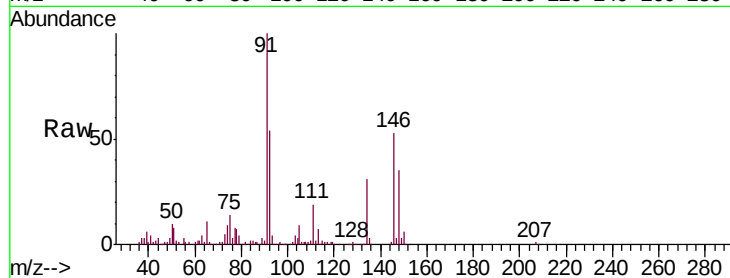
Tot Ion:146 Resp: 20108

Ion Ratio Lower Upper

146 100

111 39.5 19.3 57.9

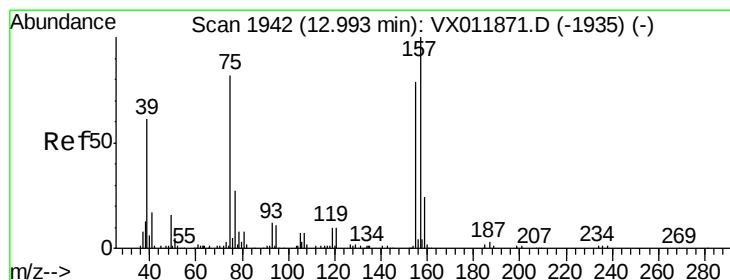
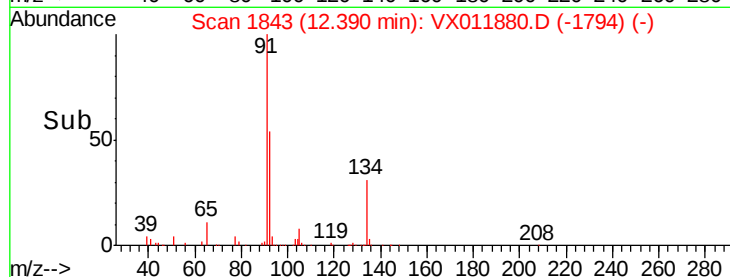
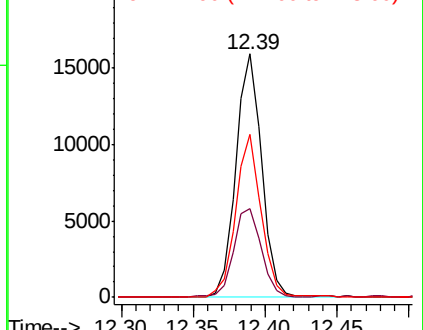
148 65.6 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.593 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.01 min

Lab File: VX011880.D

Acq: 28 Aug 2019 20:39

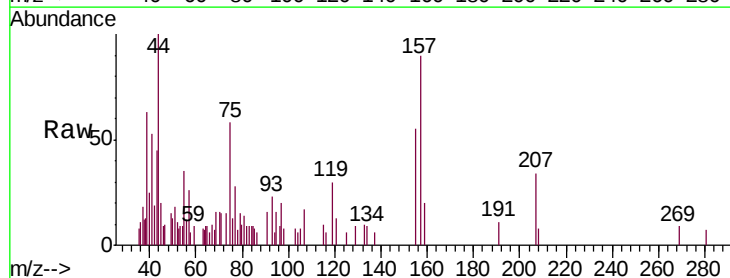
Tgt Ion: 75 Resp: 807

Ion Ratio Lower Upper

75 100

155 97.8 50.3 150.9

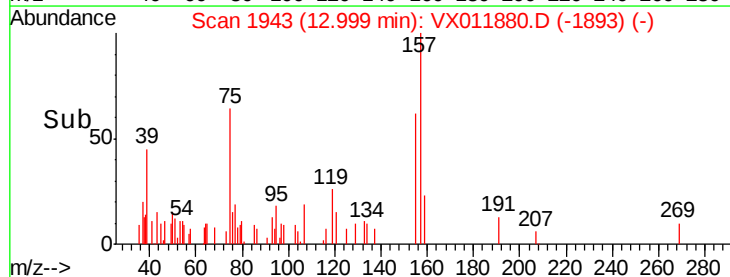
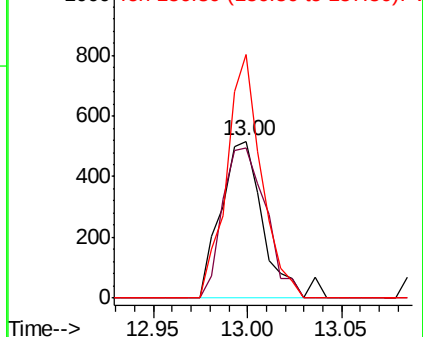
157 127.5 64.7 194.1

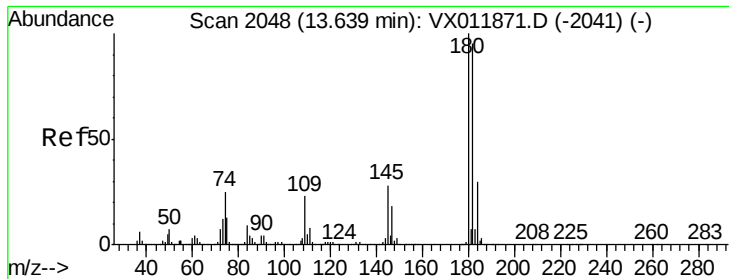


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

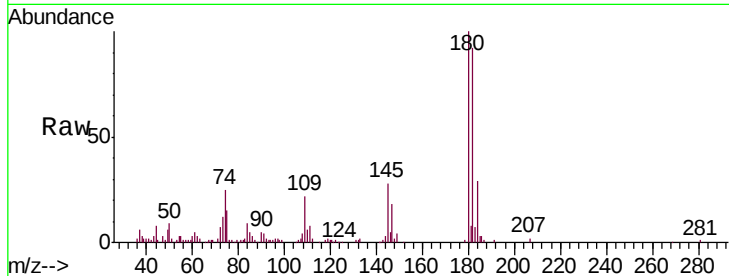




#93
 1,2,4-Trichlorobenzene
 Concen: 5.259 ug/l
 RT: 13.64 min Scan# 2048
 Delta R.T. -0.00 min
 Lab File: VX011880.D
 Acq: 28 Aug 2019 20:39

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.9	143.7
145	27.5	13.8	41.4

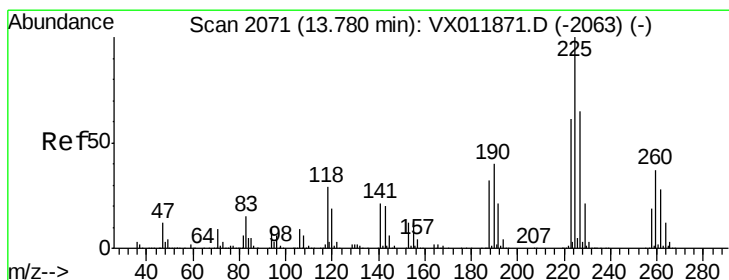
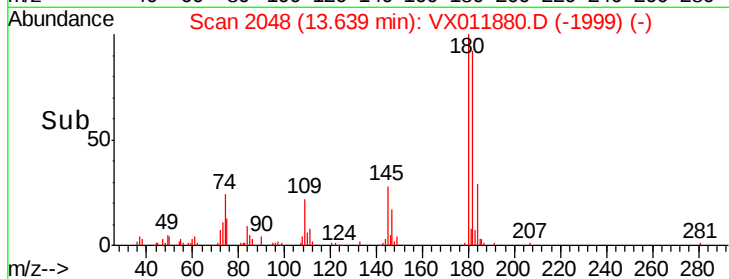
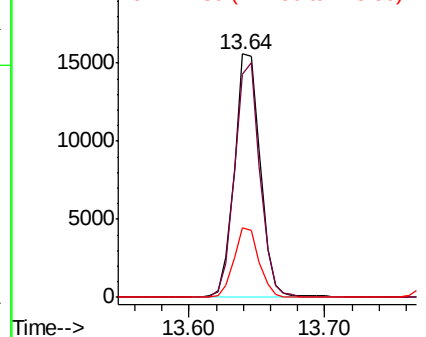


Abundance

Ion 179.80 (179.50 to 180.50): V

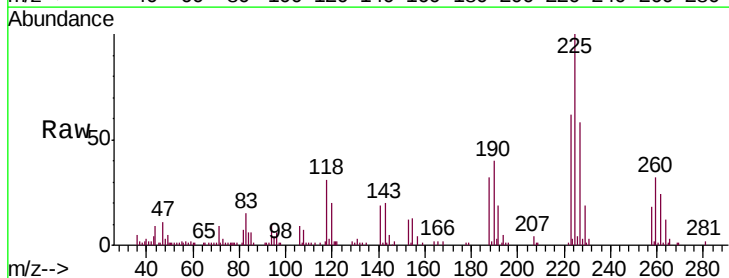
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 4.591 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX011880.D
 Acq: 28 Aug 2019 20:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	30.9	92.8
227	59.4	32.5	97.5

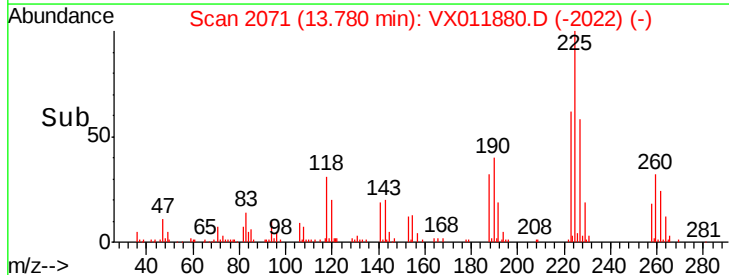
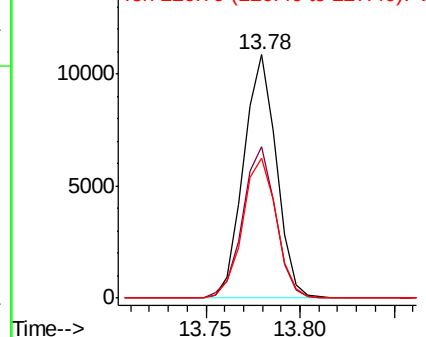


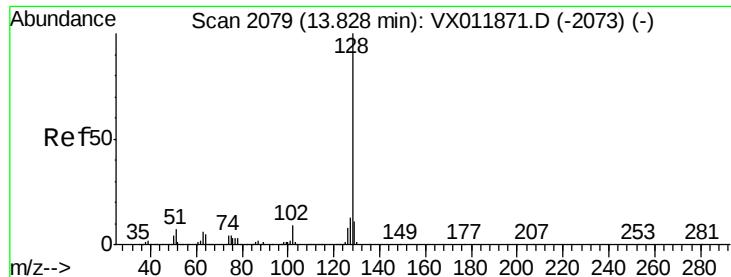
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 6.788 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.00 min

Lab File: VX011880.D

Acq: 28 Aug 2019 20:39

Instrument :

MSVOA_X

ClientSampleId :

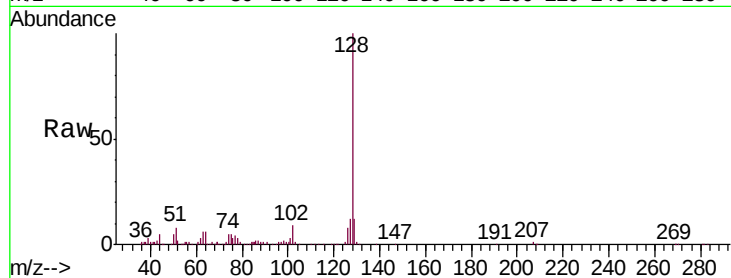
Tot Ion:128 Resp: 31978

Ion Ratio Lower Upper

128 100

127 12.6 10.4 15.6

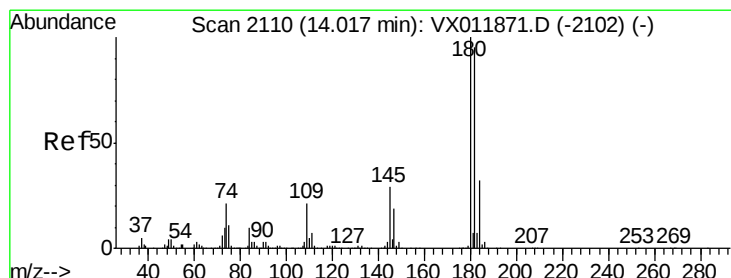
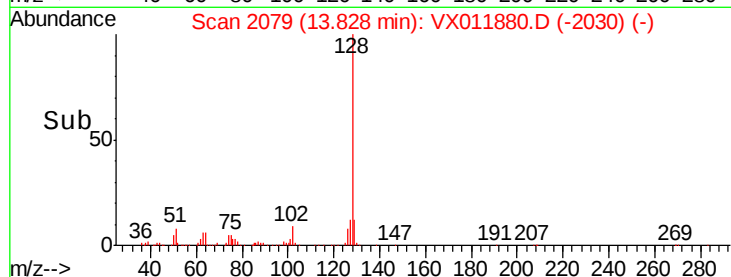
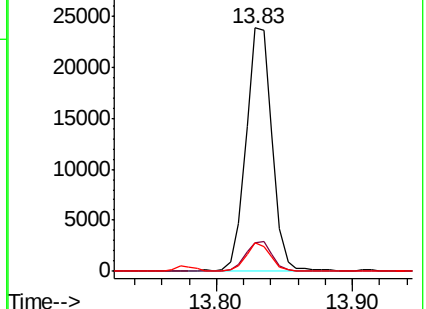
129 11.1 9.0 13.4



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: 5.938 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX011880.D

Acq: 28 Aug 2019 20:39

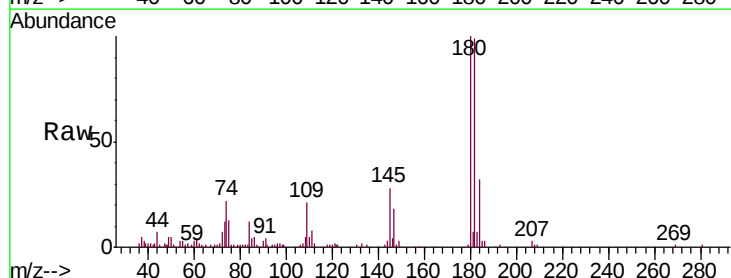
Tgt Ion:180 Resp: 18877

Ion Ratio Lower Upper

180 100

182 100.8 47.9 143.7

145 30.6 14.9 44.7



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

