

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX121219\
 Data File : VX013988.D
 Acq On : 12 Dec 2019 20:15
 Operator : JC/SP
 Sample : K6249-04MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ187I-20191208MSD

Quant Time: Dec 13 00:56:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	485101	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	753975	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	693356	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	354296	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	256781	45.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.20%	
35) Dibromofluoromethane	5.49	113	216203	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	
50) Toluene-d8	8.71	98	802307	44.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.36%	
62) 4-Bromofluorobenzene	11.14	95	304767	46.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	232811	43.117	ug/l	98
3) Chloromethane	1.31	50	269012	44.402	ug/l	99
4) Vinyl Chloride	1.40	62	311332	45.656	ug/l	100
5) Bromomethane	1.62	94	225157	49.166	ug/l	96
6) Chloroethane	1.70	64	184991	47.674	ug/l	100
7) Trichlorofluoromethane	1.91	101	346008	45.696	ug/l	100
8) Diethyl Ether	2.18	74	166951	48.736	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	216885	46.894	ug/l	99
10) Methyl Iodide	2.50	142	288310	51.532	ug/l	100
11) Tert butyl alcohol	3.05	59	317606	228.511	ug/l	99
12) 1,1-Dichloroethene	2.36	96	217333	47.077	ug/l	97
13) Acrolein	2.28	56	215287	232.052	ug/l	98
14) Allyl chloride	2.72	41	394481	47.086	ug/l	100
15) Acrylonitrile	3.13	53	694926	242.220	ug/l	99
16) Acetone	2.44	43	574182	206.536	ug/l	98
17) Carbon Disulfide	2.56	76	509832	38.740	ug/l	99
18) Methyl Acetate	2.76	43	384571	49.677	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	764724	50.003	ug/l	99
20) Methylene Chloride	2.84	84	253473	47.458	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	228886	45.511	ug/l	98
22) Diisopropyl ether	3.84	45	827903	51.321	ug/l	99
23) Vinyl Acetate	3.80	43	3179615	236.929	ug/l	99
24) 1,1-Dichloroethane	3.69	63	548845	62.236	ug/l	98
25) 2-Butanone	4.66	43	962339	232.916	ug/l	100
26) 2,2-Dichloropropane	4.57	77	311711	42.721	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	277699	48.082	ug/l	98
28) Bromochloromethane	5.01	49	189225	54.298	ug/l	97
29) Tetrahydrofuran	5.12	42	613489	240.861	ug/l	99
30) Chloroform	5.20	83	427530	47.803	ug/l	96
31) Cyclohexane	5.57	56	375656	45.162	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	358831	48.011	ug/l	99
36) 1,1-Dichloropropene	5.79	75	311207	45.470	ug/l	99
37) Ethyl Acetate	4.82	43	357329	46.538	ug/l	100
38) Carbon Tetrachloride	5.78	117	300183	47.565	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	370621	43.808	ug/l	99
40) Benzene	6.13	78	993796	47.675	ug/l	98
41) Methacrylonitrile	5.03	41	206179	48.964	ug/l	99
42) 1,2-Dichloroethane	6.18	62	344897	48.515	ug/l	99
43) Isopropyl Acetate	6.43	43	594871	47.060	ug/l	100
44) Trichloroethene	7.20	130	276350	48.305	ug/l	95
45) 1,2-Dichloropropane	7.51	63	263812	50.583	ug/l	99
46) Dibromomethane	7.65	93	164866	46.544	ug/l	98
47) Bromodichloromethane	7.89	83	330231	49.315	ug/l	99
48) Methyl methacrylate	7.76	41	306011	49.824	ug/l	99
49) 1,4-Dioxane	7.73	88	124235	903.678	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	2026915	254.917	ug/l	99
52) Toluene	8.78	92	626072	48.346	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	361828	47.471	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	404335	48.555	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	264558	50.696	ug/l	98
56) Ethyl methacrylate	9.17	69	422728	50.384	ug/l	100
57) 1,3-Dichloropropane	9.37	76	443980	49.358	ug/l	100
59) 2-Hexanone	9.49	43	1536837	247.821	ug/l	99
60) Dibromochloromethane	9.57	129	273252	50.455	ug/l	99
61) 1,2-Dibromoethane	9.67	107	270965	48.616	ug/l	98
64) Tetrachloroethene	9.33	164	234840	45.418	ug/l	96
65) Chlorobenzene	10.14	112	681031	47.309	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	256363	49.593	ug/l	100
67) Ethyl Benzene	10.25	91	1200405	48.527	ug/l	100
68) m/p-Xylenes	10.35	106	909951	96.081	ug/l	99
69) o-Xylene	10.70	106	444949	48.172	ug/l	98
70) Styrene	10.71	104	773449	49.779	ug/l	100
71) Bromoform	10.85	173	212429	49.666	ug/l #	99
73) Isopropylbenzene	11.01	105	1194899	48.080	ug/l	100
74) N-amyl acetate	10.89	43	544224	47.803	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	440546	51.115	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	472525	59.297	ug/l	89
77) Bromobenzene	11.25	156	317716	47.322	ug/l	98
78) n-propylbenzene	11.35	91	1328950	47.902	ug/l	100
79) 2-Chlorotoluene	11.42	91	805394	48.395	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	998961	49.044	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	130653	44.856	ug/l	99
82) 4-Chlorotoluene	11.51	91	924437	47.959	ug/l	99
83) tert-Butylbenzene	11.77	119	1019539	49.251	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1009219	48.820	ug/l	100
85) sec-Butylbenzene	11.94	105	1172353	49.582	ug/l	100
86) p-Isopropyltoluene	12.06	119	1056879	48.047	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	552117	47.175	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	566104	47.489	ug/l	100
89) n-Butylbenzene	12.38	91	886419	47.248	ug/l	100
90) Hexachloroethane	12.59	117	191057	48.053	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	569360	49.237	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	87715	46.735	ug/l	99
93) 1,2,4-Trichlorobenzene	13.64	180	370071	45.920	ug/l	98

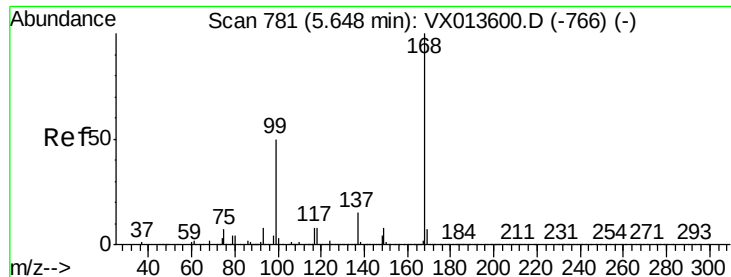
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.77	225	173596	44.841	ug/l	99
95) Naphthalene	13.83	128	1121957	46.748	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	376874	47.231	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

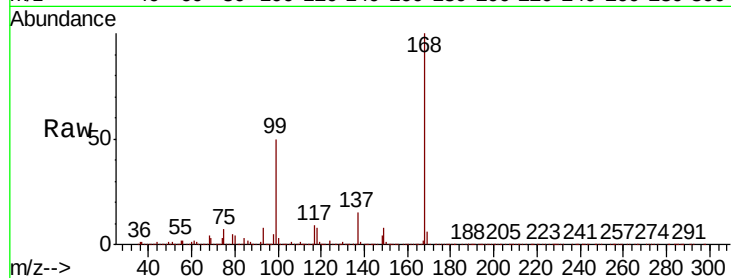
SA-PZ1871-20191208MSD

Tot Ion:168 Resp: 485101

Ion Ratio Lower Upper

168 100

99 49.2 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

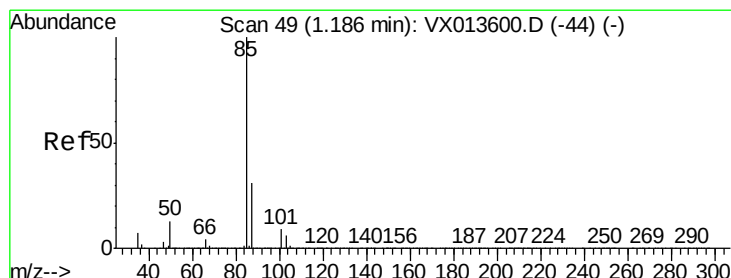
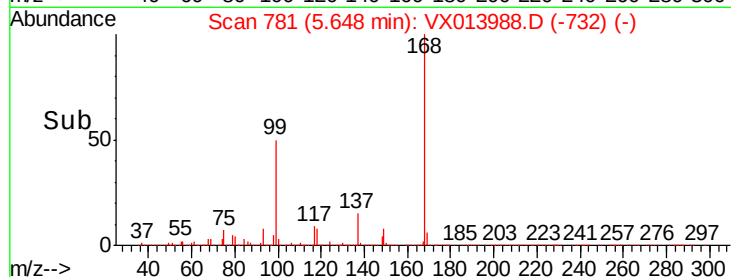
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 43.117 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX013988.D

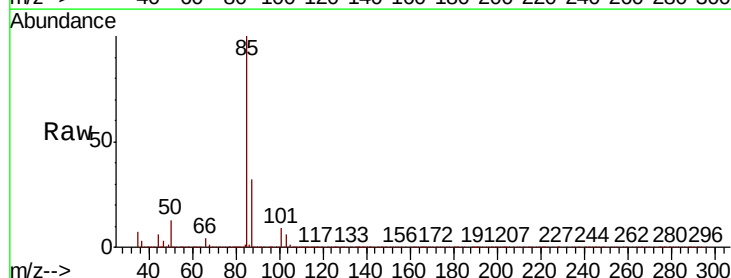
Acq: 12 Dec 2019 20:15

Tgt Ion: 85 Resp: 232811

Ion Ratio Lower Upper

85 100

87 32.4 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

250000

200000

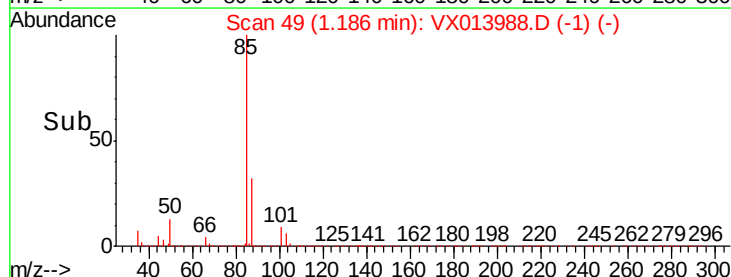
150000

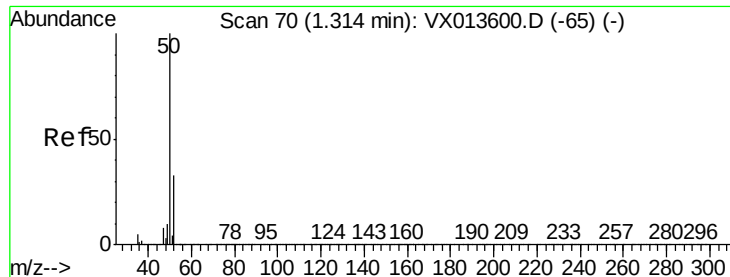
100000

50000

0

Time-->





#3

Chloromethane

Concen: 44.402 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

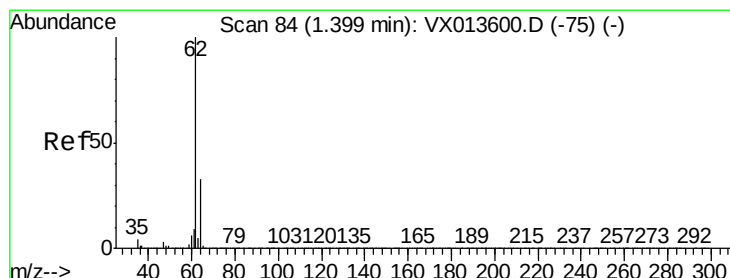
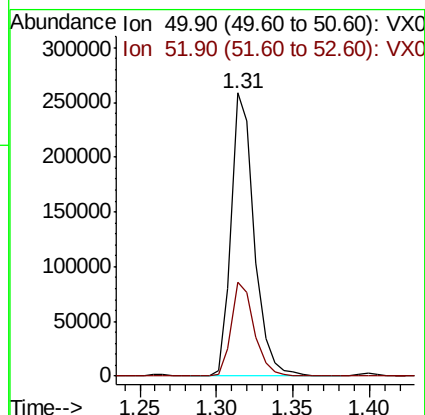
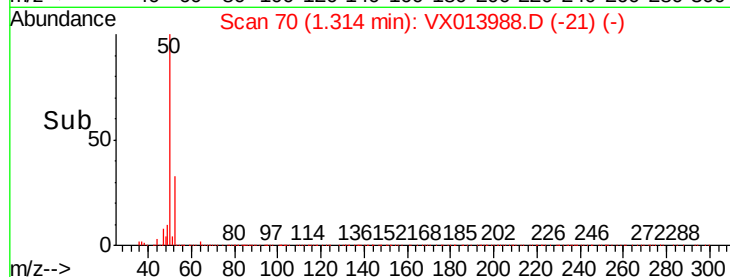
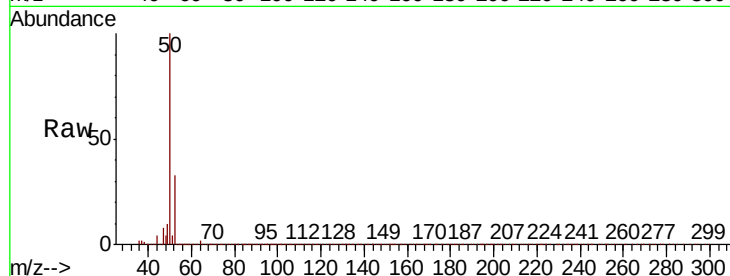
SA-PZ187I-20191208MSD

Tot Ion: 50 Resp: 269012

Ion Ratio Lower Upper

50 100

52 32.9 26.0 39.0



#4

Vinyl Chloride

Concen: 45.656 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013988.D

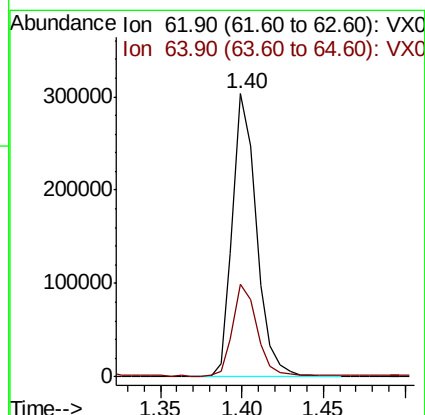
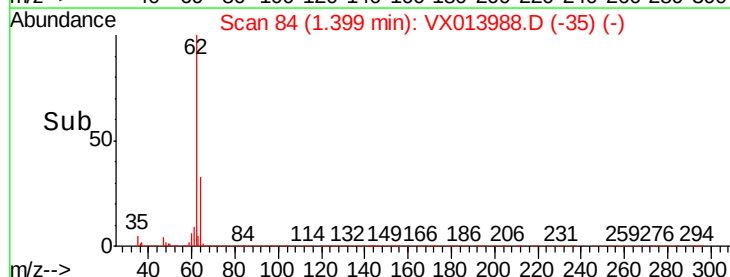
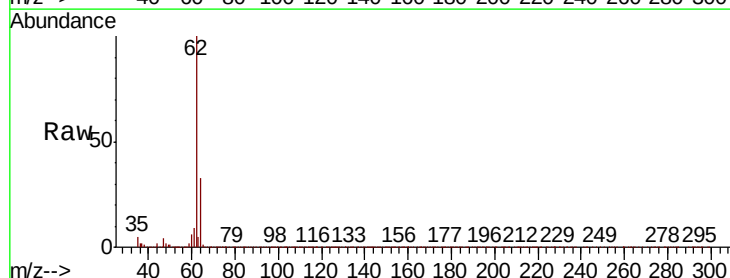
Acq: 12 Dec 2019 20:15

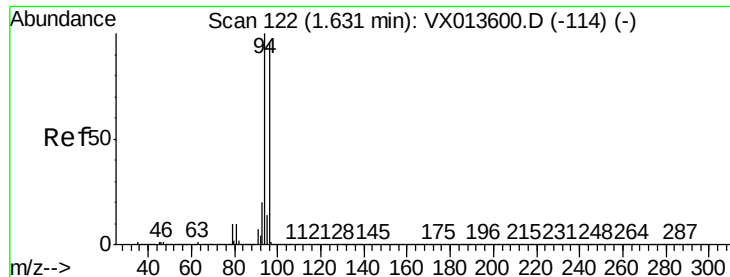
Tgt Ion: 62 Resp: 311332

Ion Ratio Lower Upper

62 100

64 32.6 26.0 39.0





#5

Bromomethane

Concen: 49.166 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.01 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

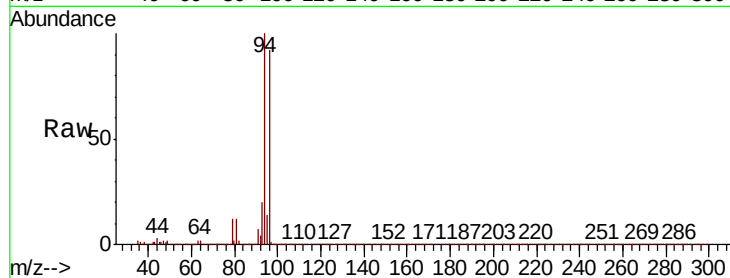
SA-PZ187I-20191208MSD

Tot Ion: 94 Resp: 225157

Ion Ratio Lower Upper

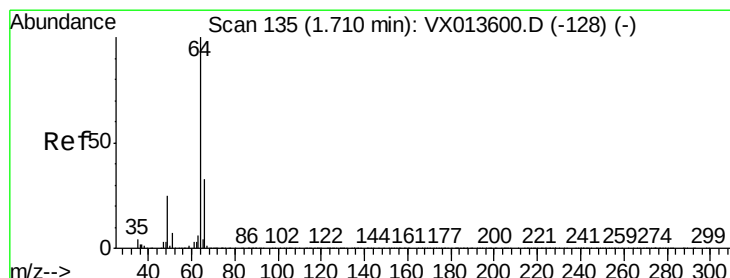
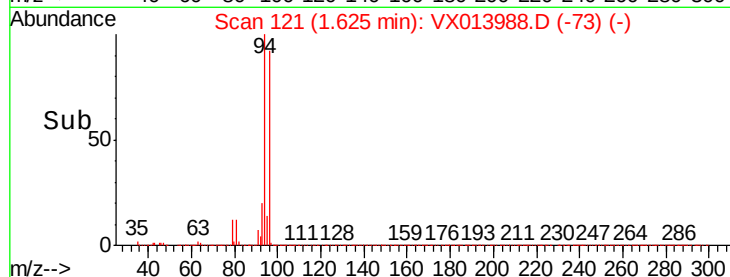
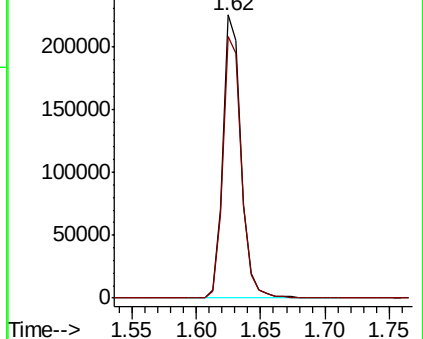
94 100

96 92.2 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 47.674 ug/l

RT: 1.70 min Scan# 133

Delta R.T. -0.01 min

Lab File: VX013988.D

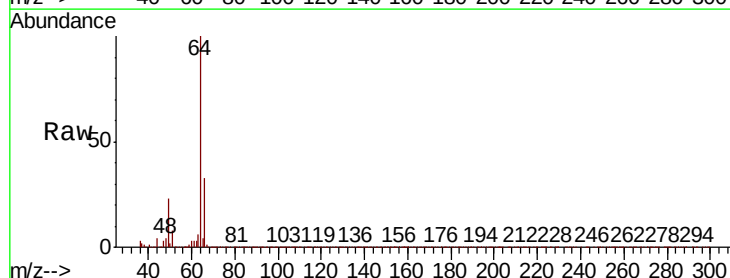
Acq: 12 Dec 2019 20:15

Tgt Ion: 64 Resp: 184991

Ion Ratio Lower Upper

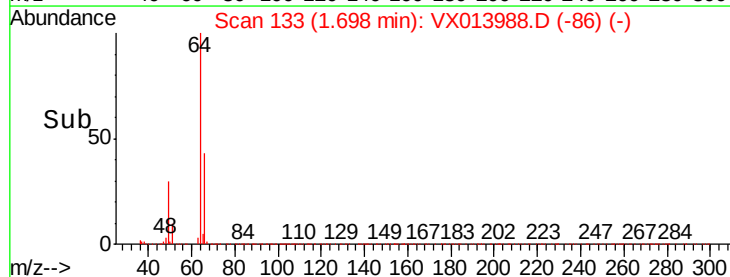
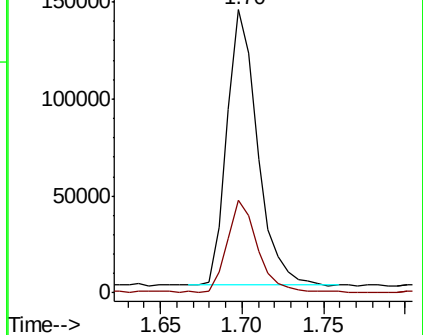
64 100

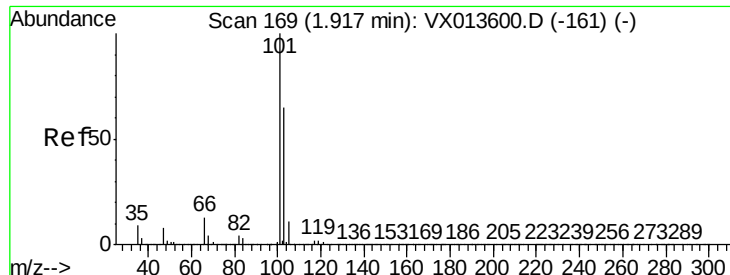
66 33.3 26.7 40.1



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



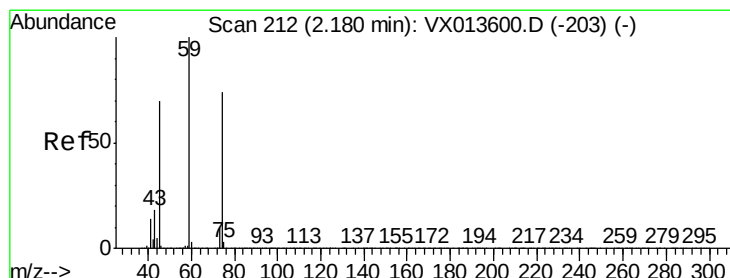
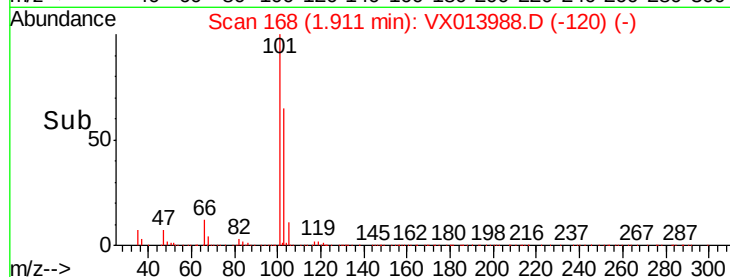
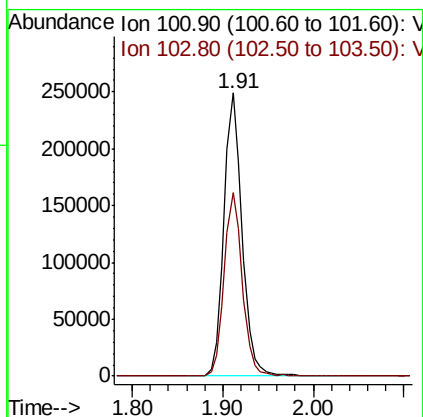
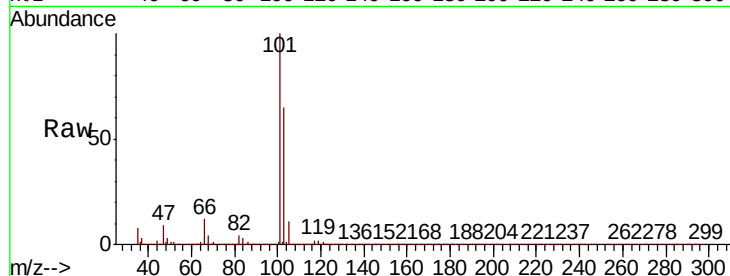


#7

Trichlorofluoromethane
Concen: 45.696 ug/l
RT: 1.91 min Scan# 168
Delta R.T. -0.01 min
Lab File: VX013988.D
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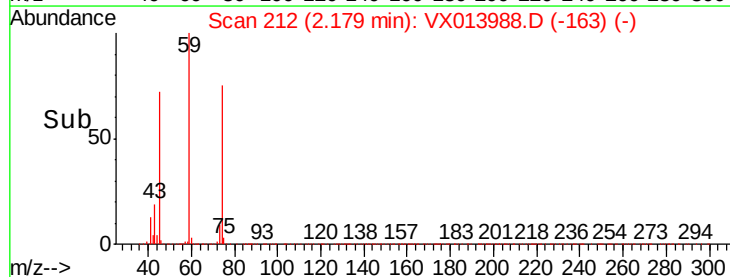
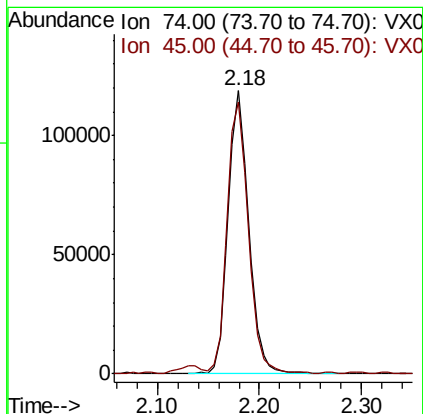
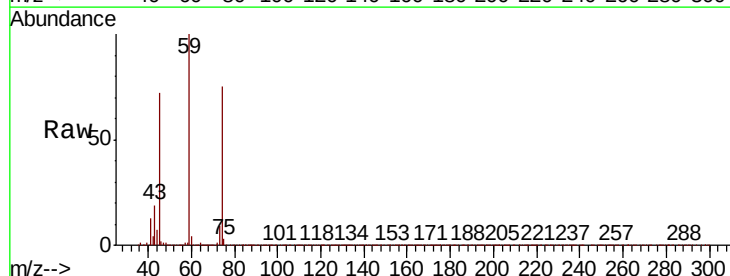
Tot Ion:101 Resp: 346008
Ion Ratio Lower Upper
101 100
103 64.7 51.8 77.6

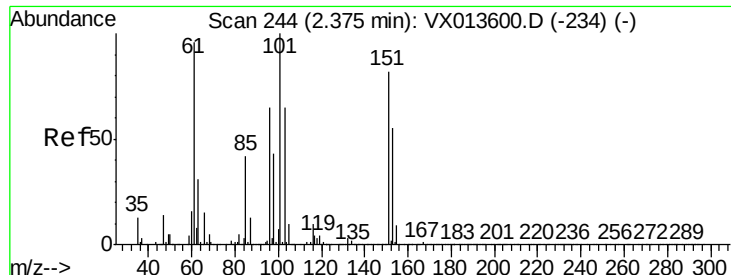


#8

Diethyl Ether
Concen: 48.736 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Tgt Ion: 74 Resp: 166951
Ion Ratio Lower Upper
74 100
45 97.7 48.9 146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.894 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.01 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ187I-20191208MSD

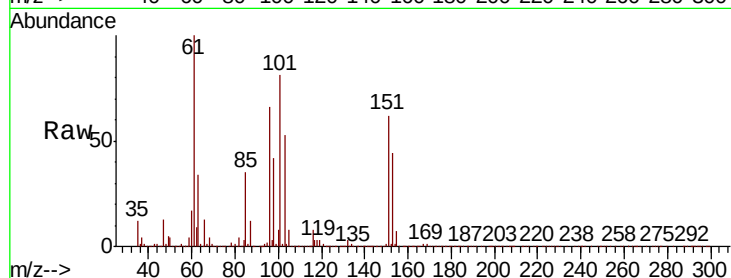
Tot Ion:101 Resp: 216885

Ion Ratio Lower Upper

101 100

85 42.1 33.9 50.9

151 80.9 64.2 96.2

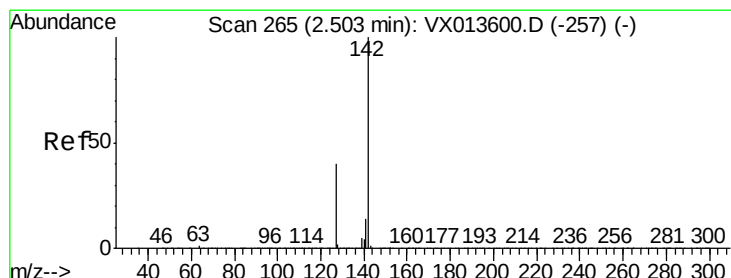
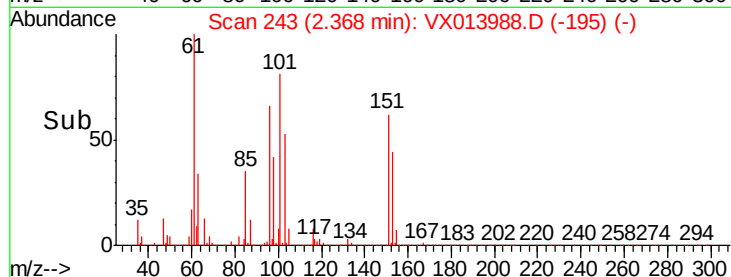
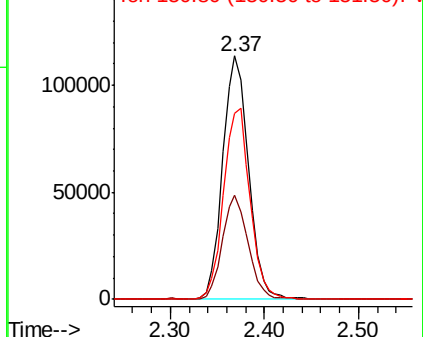


Abundance

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



#10

Methyl Iodide

Concen: 51.532 ug/l

RT: 2.50 min Scan# 264

Delta R.T. -0.01 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

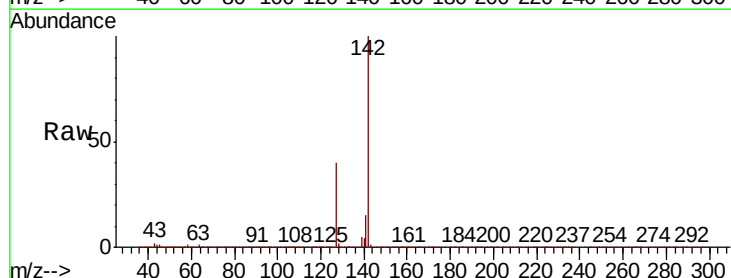
Tgt Ion:142 Resp: 288310

Ion Ratio Lower Upper

142 100

127 38.7 31.0 46.4

141 14.6 11.6 17.4

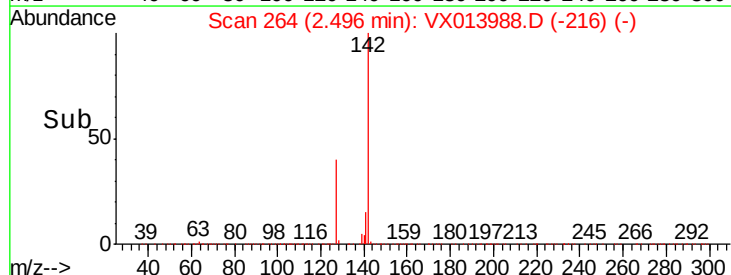
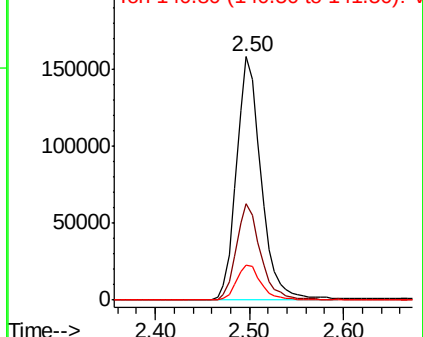


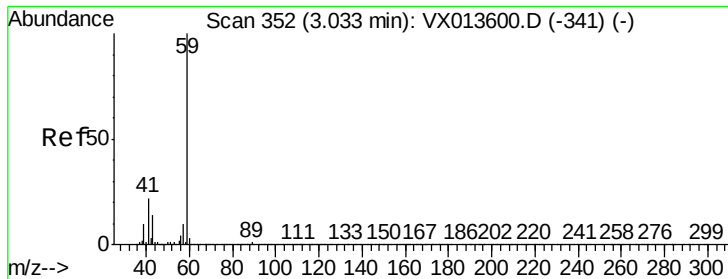
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

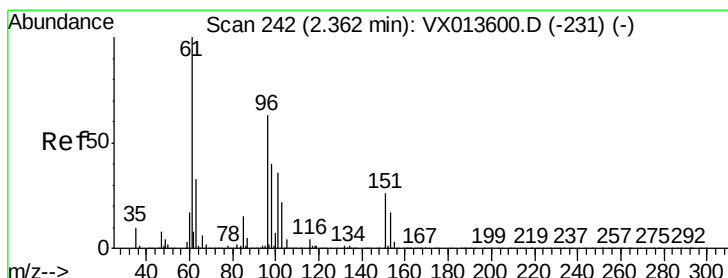
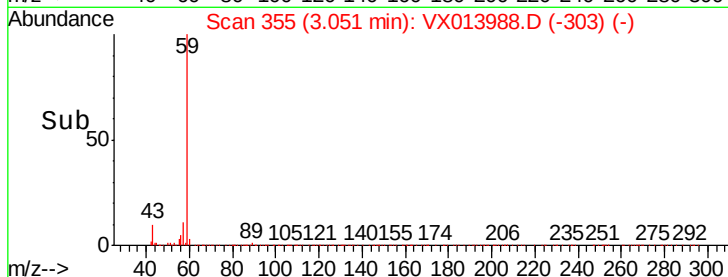
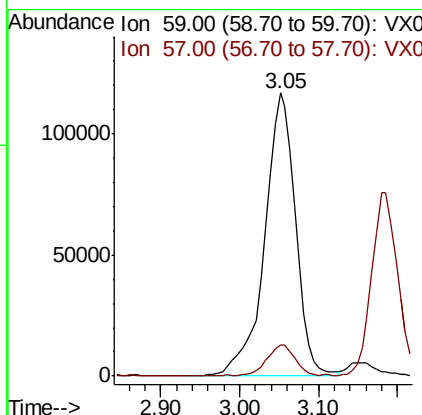
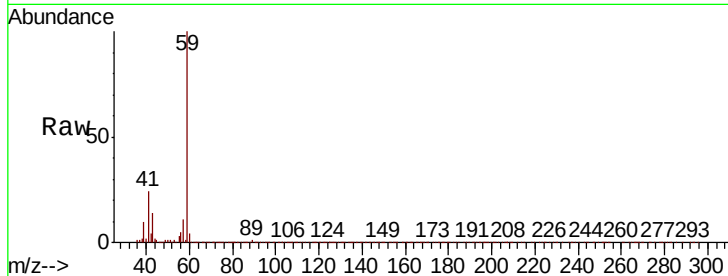




#11
Tert butyl alcohol
Concen: 228.511 ug/l
RT: 3.05 min Scan# 355
Delta R.T. 0.02 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

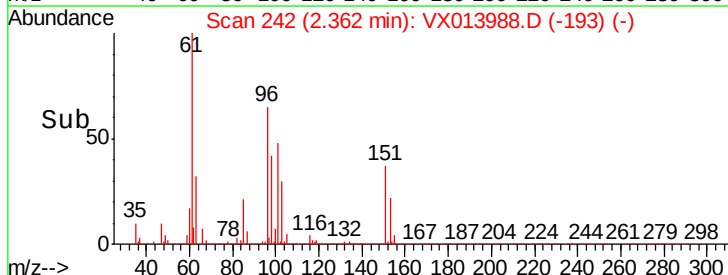
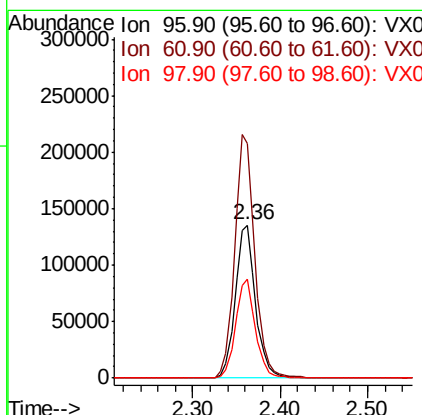
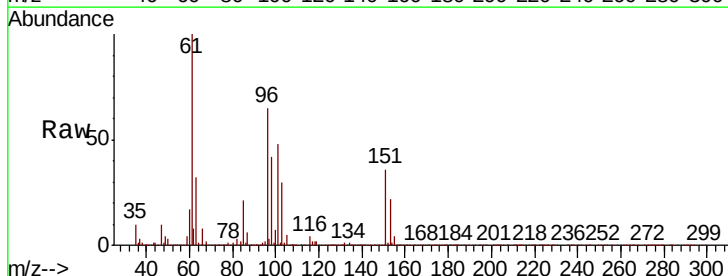
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ187I-20191208MSD

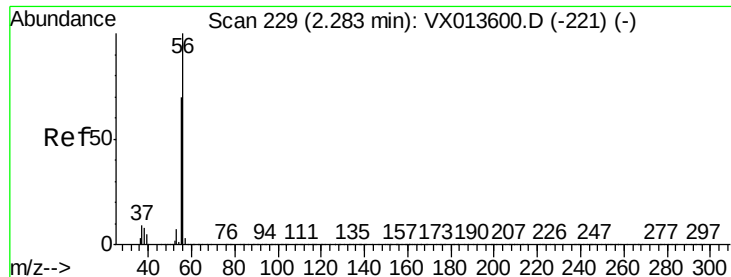
Tot Ion: 59 Resp: 317606
Ion Ratio Lower Upper
59 100
57 10.0 7.8 11.6



#12
1,1-Dichloroethene
Concen: 47.077 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Tgt Ion: 96 Resp: 217333
Ion Ratio Lower Upper
96 100
61 153.1 126.6 190.0
98 64.2 50.6 76.0





#13

Acrolein

Concen: 232.052 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

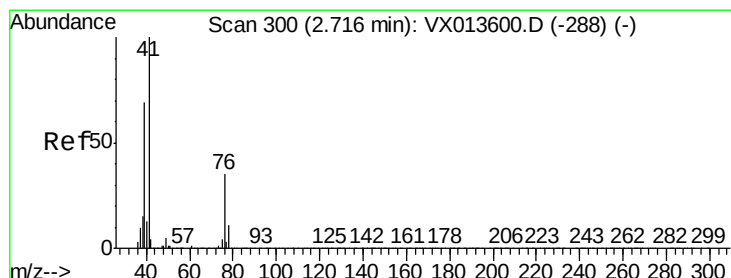
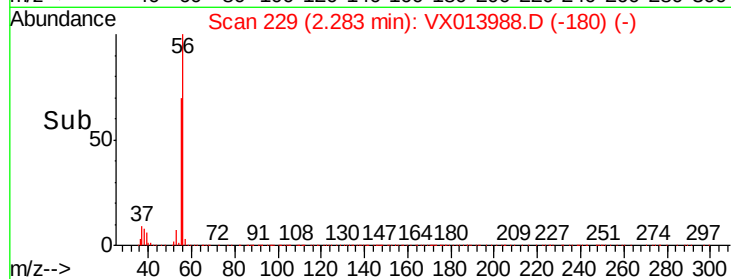
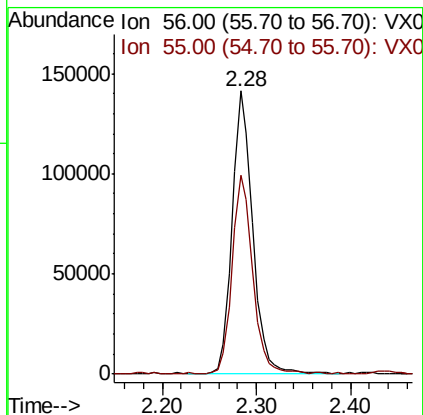
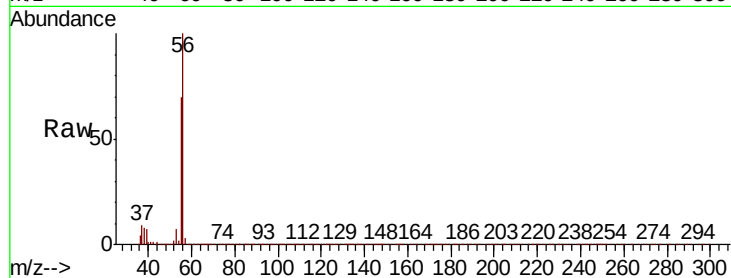
SA-PZ187I-20191208MSD

Tot Ion: 56 Resp: 215287

Ion Ratio Lower Upper

56 100

55 68.8 56.2 84.4



#14

Allyl chloride

Concen: 47.086 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

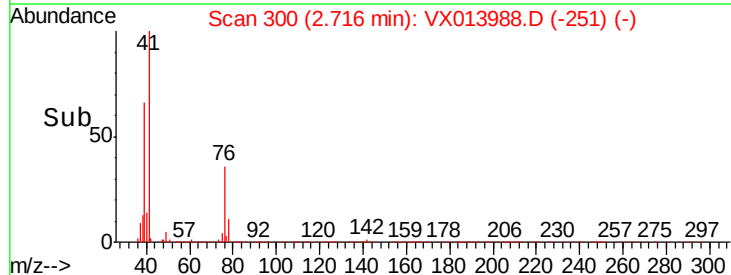
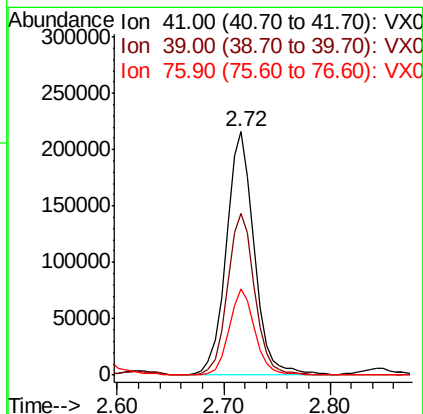
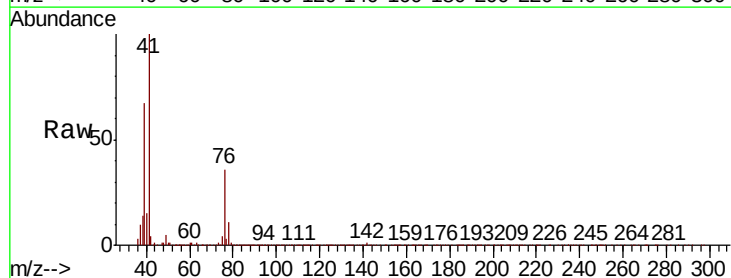
Tgt Ion: 41 Resp: 394481

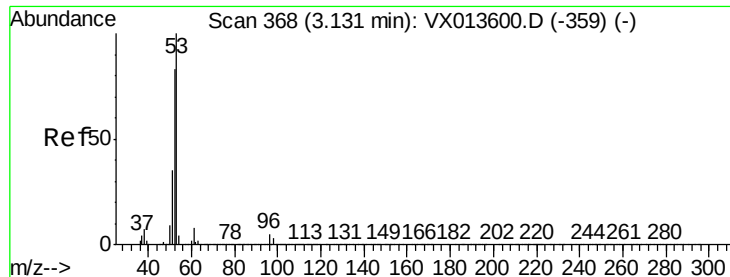
Ion Ratio Lower Upper

41 100

39 64.4 51.7 77.5

76 32.4 25.9 38.9

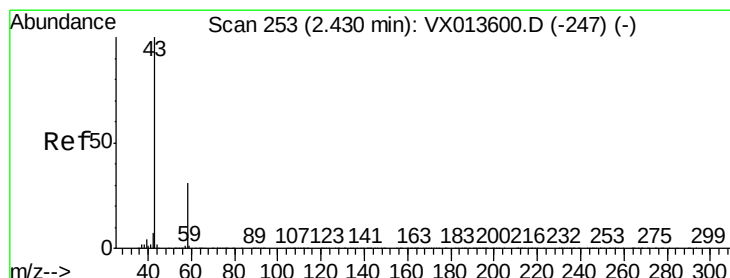
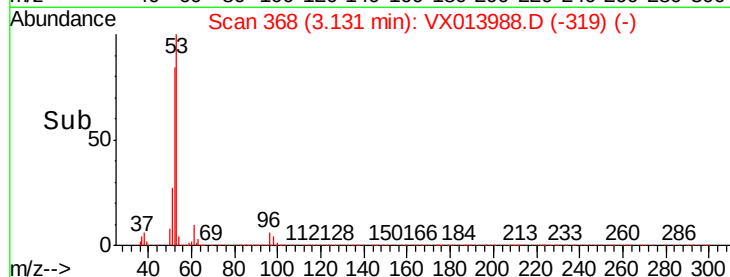
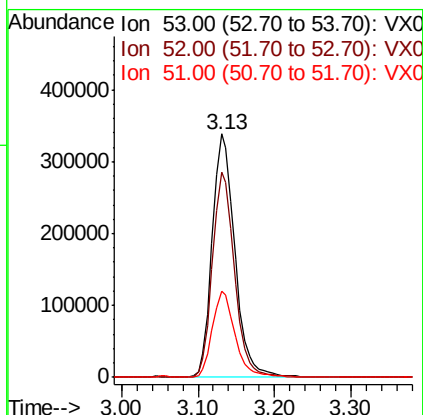
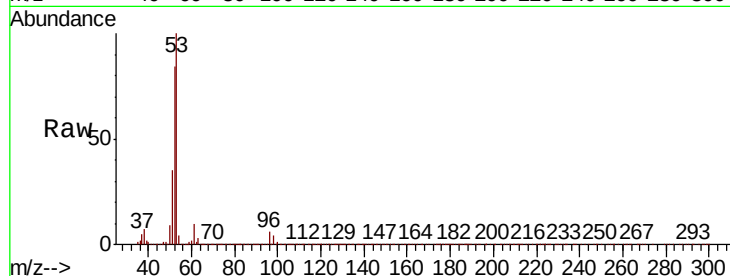




#15
 Acrylonitrile
 Concen: 242.220 ug/l
 RT: 3.13 min Scan# 368
 Delta R.T. -0.00 min
 Lab File: VX013988.D
 Acq: 12 Dec 2019 20:15

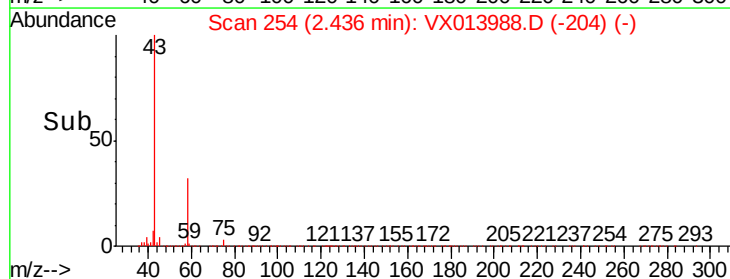
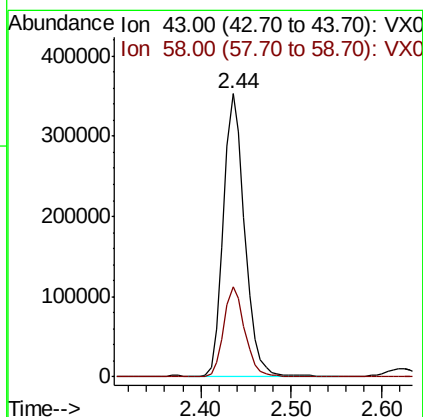
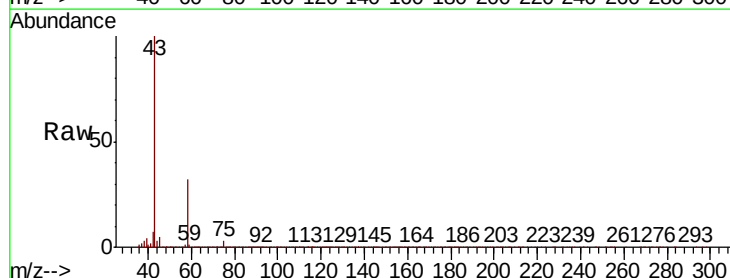
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ187I-20191208MSD

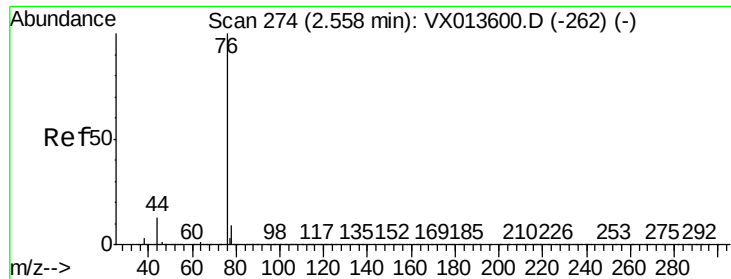
Tot Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.2	99.2
51	35.2	29.0	43.6



#16
 Acetone
 Concen: 206.536 ug/l
 RT: 2.44 min Scan# 254
 Delta R.T. 0.01 min
 Lab File: VX013988.D
 Acq: 12 Dec 2019 20:15

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.6	24.6	36.8

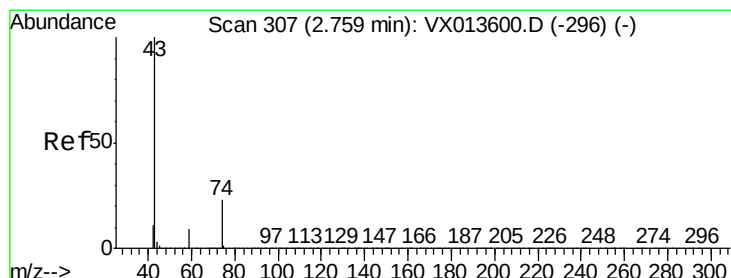
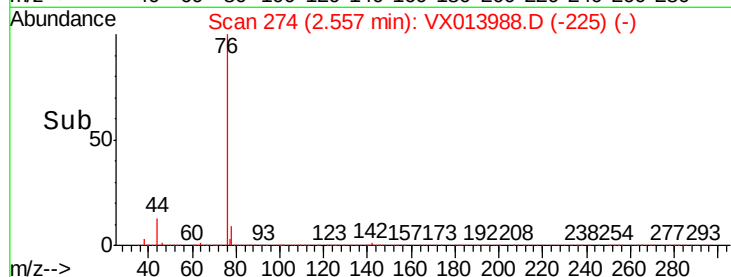
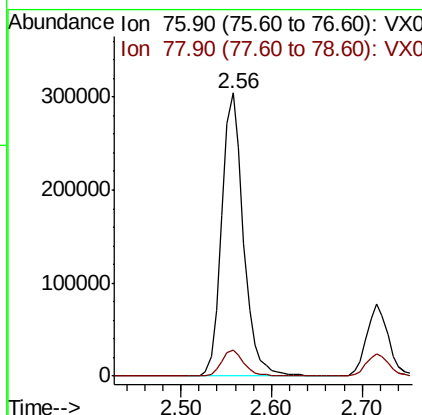
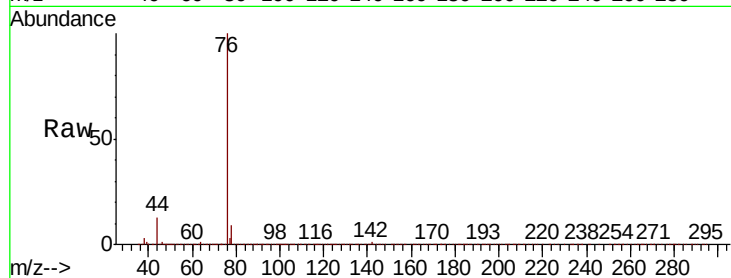




#17
Carbon Disulfide
Concen: 38.740 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

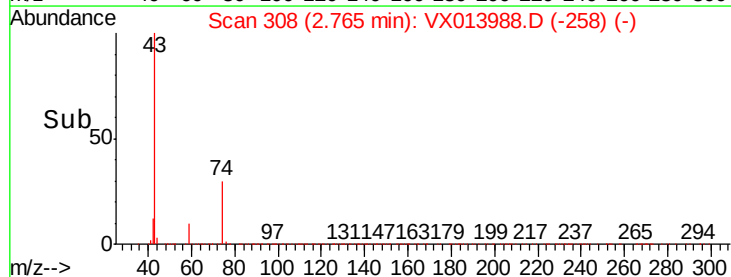
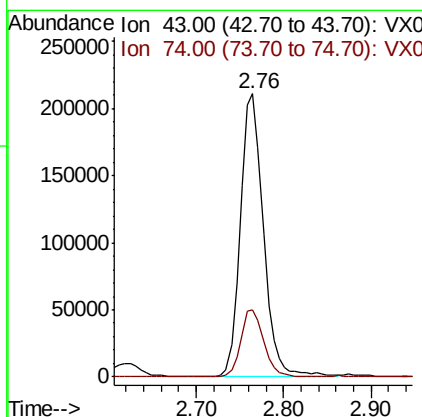
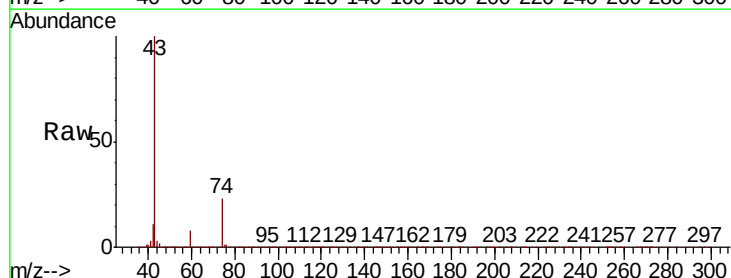
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ187I-20191208MSD

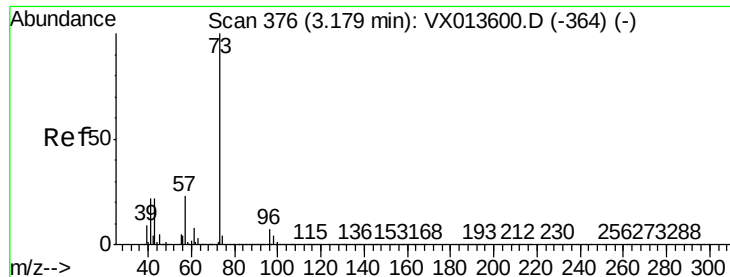
Tot Ion: 76 Resp: 509832
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8



#18
Methyl Acetate
Concen: 49.677 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.01 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Tgt Ion: 43 Resp: 384571
Ion Ratio Lower Upper
43 100
74 23.8 19.5 29.3



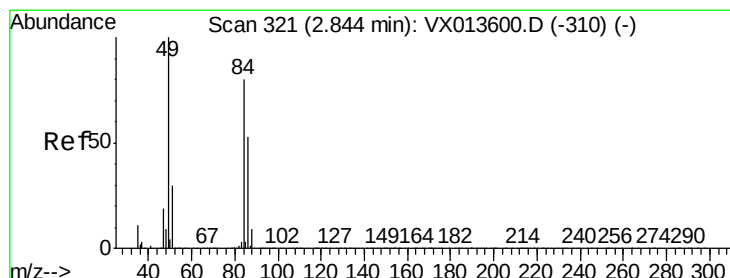
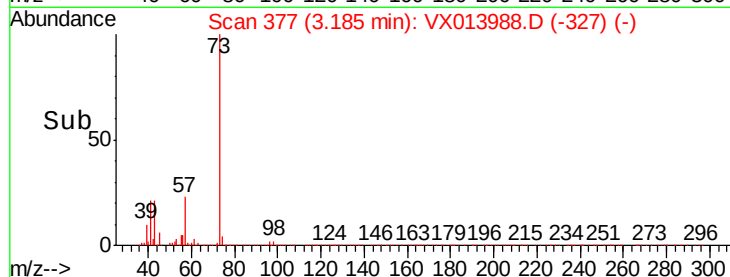
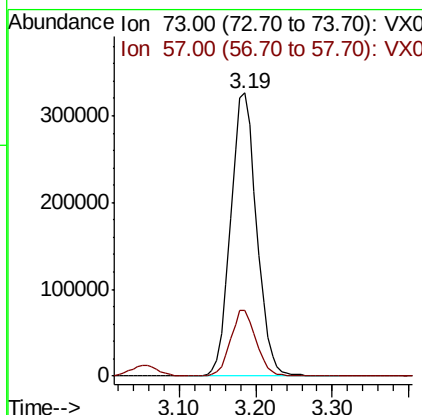
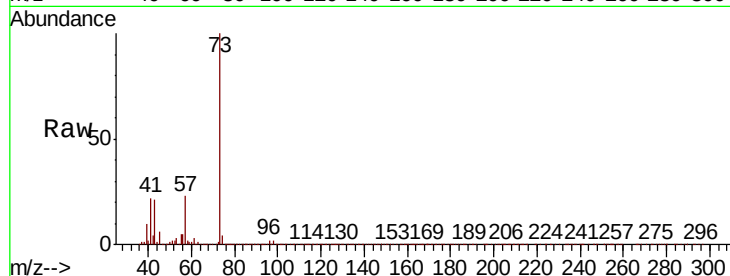


#19

Methyl tert-butyl Ether
 Concen: 50.003 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. 0.01 min
 Lab File: VX013988.D
 Acq: 12 Dec 2019 20:15

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ1871-20191208MSD

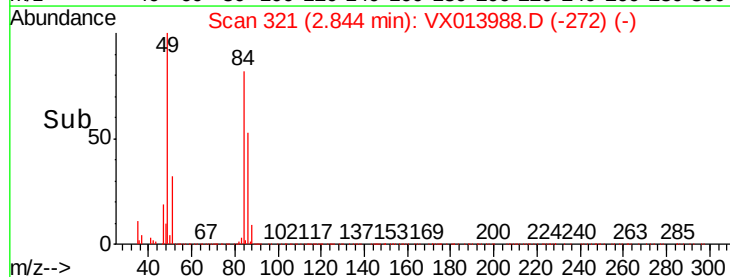
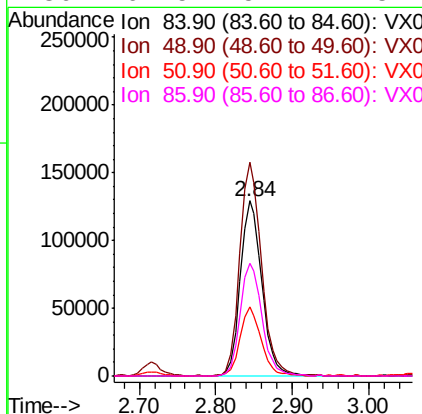
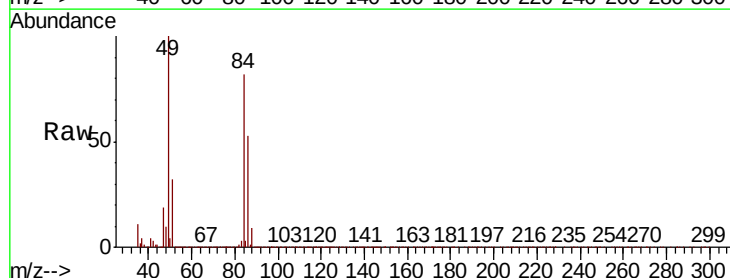
Tot Ion: 73 Resp: 764724
 Ion Ratio Lower Upper
 73 100
 57 23.2 18.3 27.5

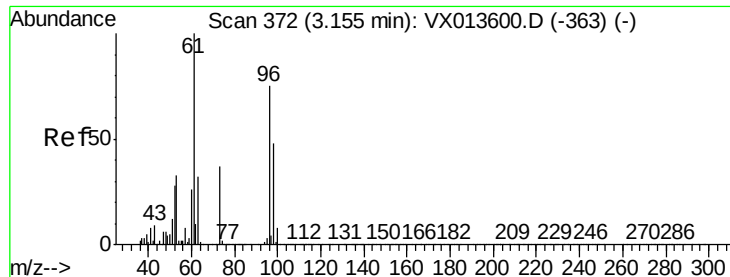


#20

Methylene Chloride
 Concen: 47.458 ug/l
 RT: 2.84 min Scan# 321
 Delta R.T. -0.00 min
 Lab File: VX013988.D
 Acq: 12 Dec 2019 20:15

Tgt Ion: 84 Resp: 253473
 Ion Ratio Lower Upper
 84 100
 49 121.8 99.7 149.5
 51 39.4 29.9 44.9
 86 64.5 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 45.511 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ187I-20191208MSD

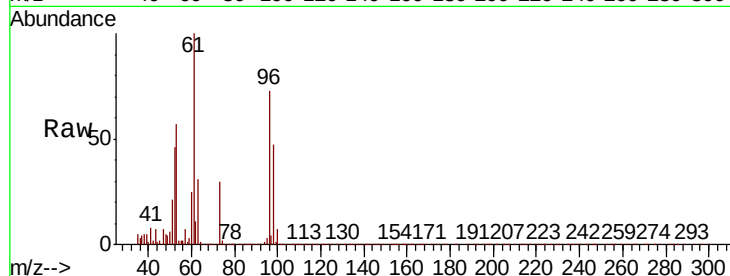
Tot Ion: 96 Resp: 228886

Ion Ratio Lower Upper

96 100

61 136.8 107.2 160.8

98 64.1 51.4 77.0

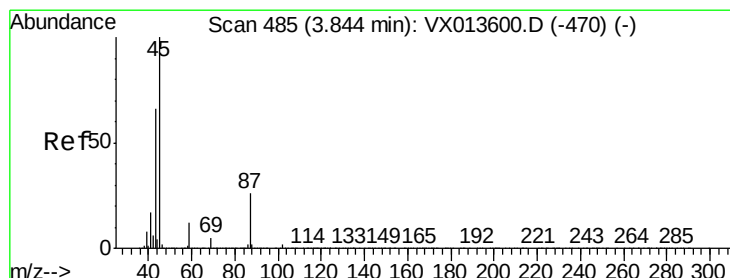
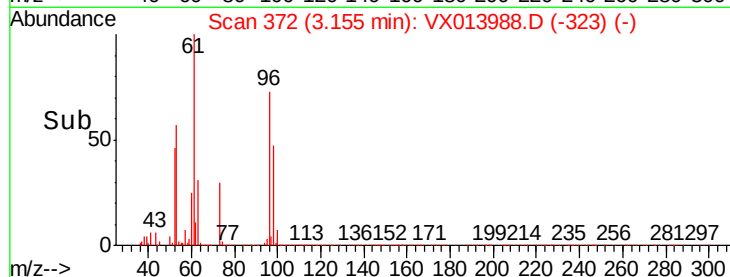
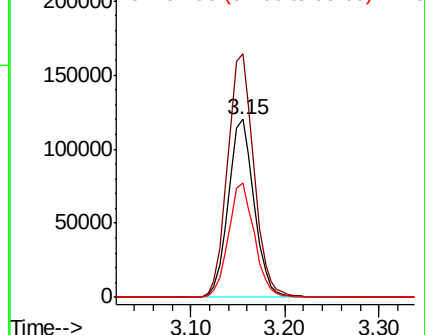


Abundance

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: 51.321 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Tgt Ion: 45 Resp: 827903

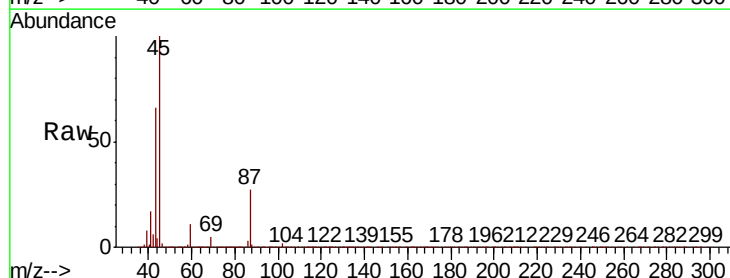
Ion Ratio Lower Upper

45 100

43 65.7 52.6 79.0

87 27.4 21.1 31.7

59 11.3 9.2 13.8



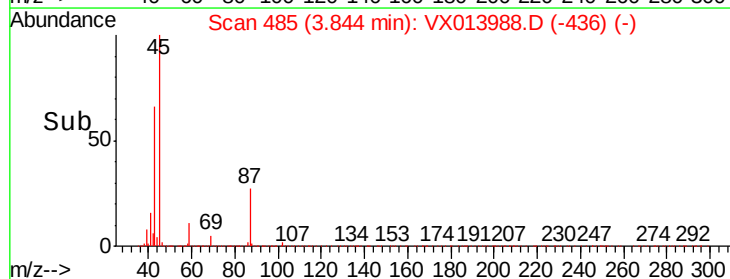
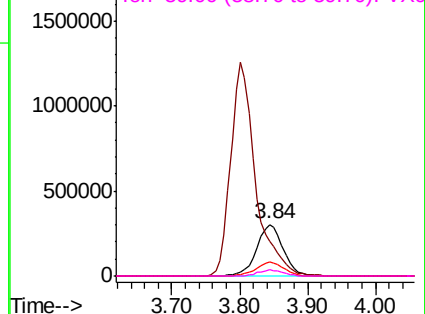
Abundance

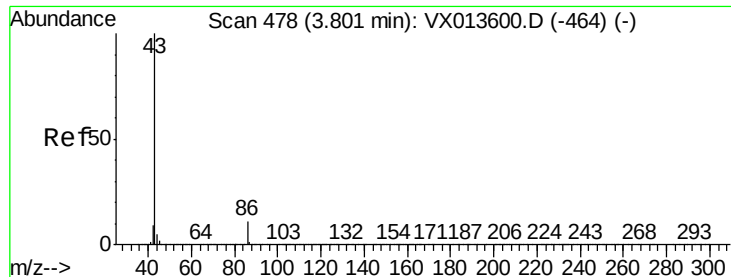
Ion 45.00 (44.70 to 45.70): VX0

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: 236.929 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

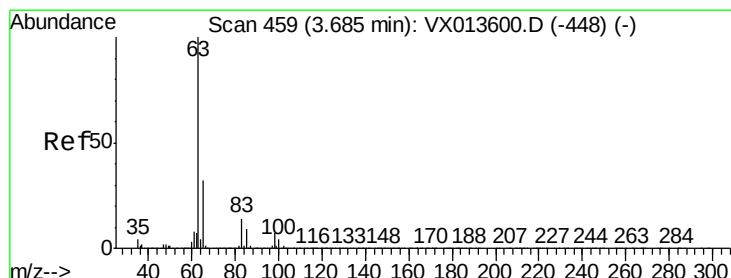
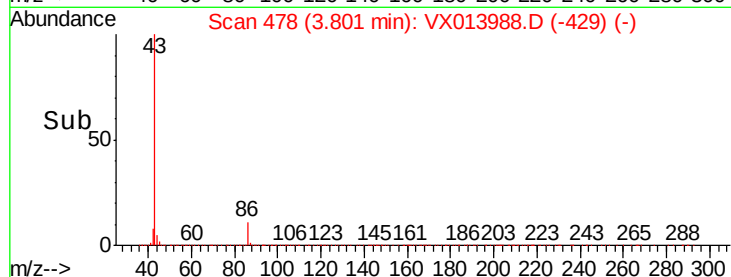
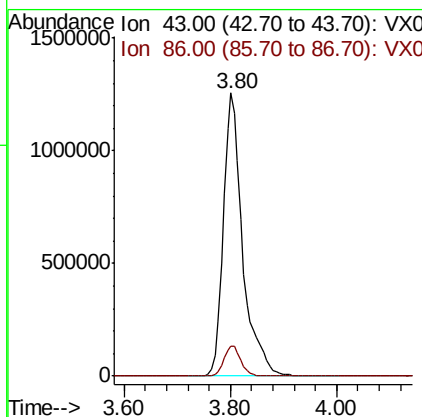
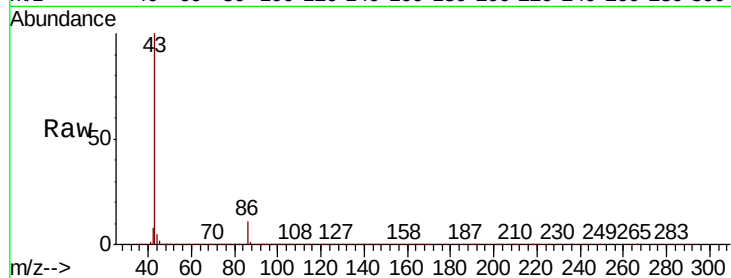
SA-PZ187I-20191208MSD

Tot Ion: 43 Resp: 3179615

Ion Ratio Lower Upper

43 100

86 10.6 8.7 13.1



#24

1,1-Dichloroethane

Concen: 62.236 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

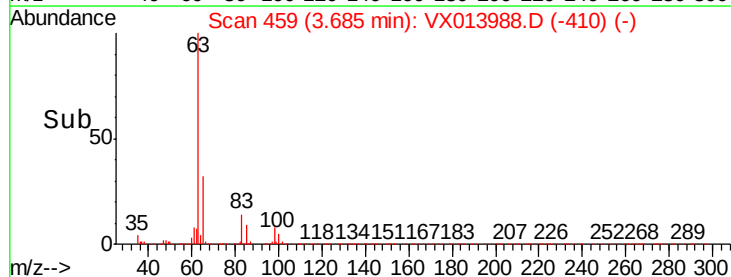
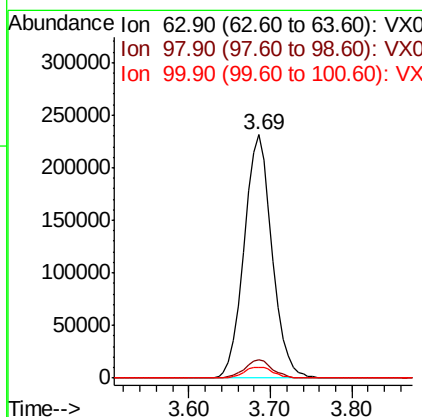
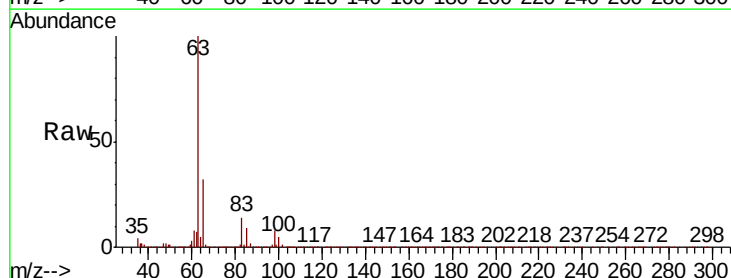
Tgt Ion: 63 Resp: 548845

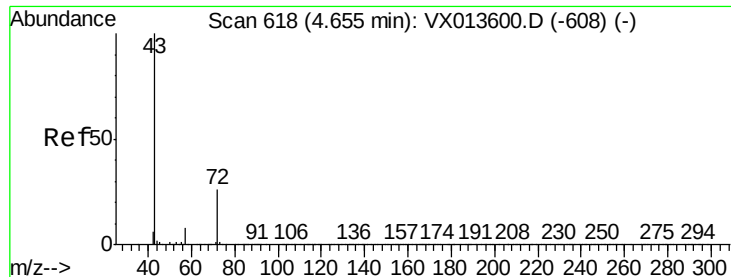
Ion Ratio Lower Upper

63 100

98 7.6 3.5 10.4

100 4.5 2.1 6.3





#25

2-Butanone

Concen: 232.916 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

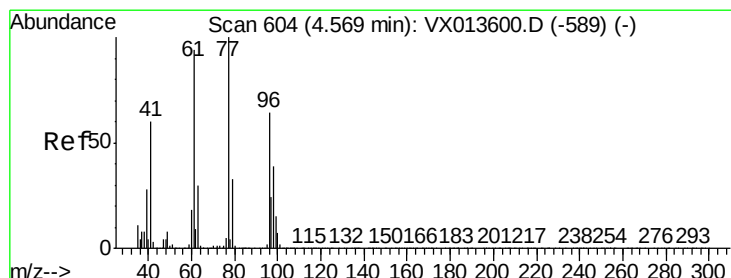
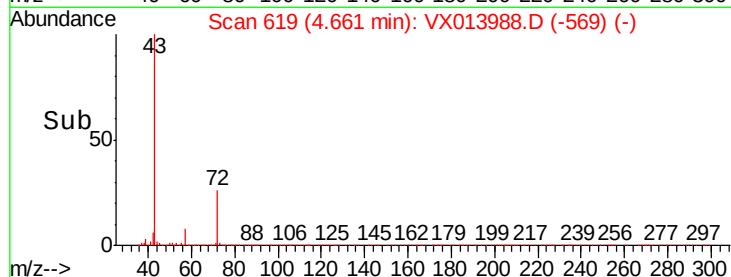
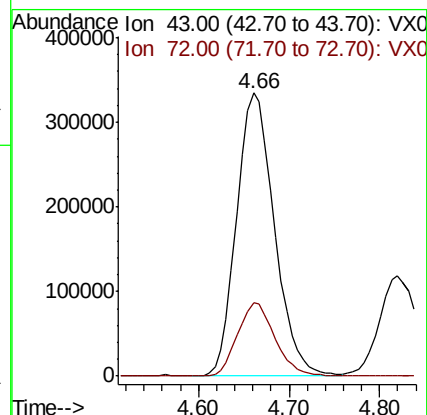
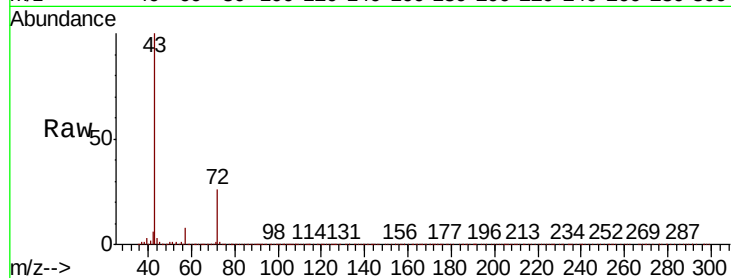
SA-PZ1871-20191208MSD

Tot Ion: 43 Resp: 962339

Ion Ratio Lower Upper

43 100

72 25.8 20.6 31.0



#26

2,2-Dichloropropane

Concen: 42.721 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX013988.D

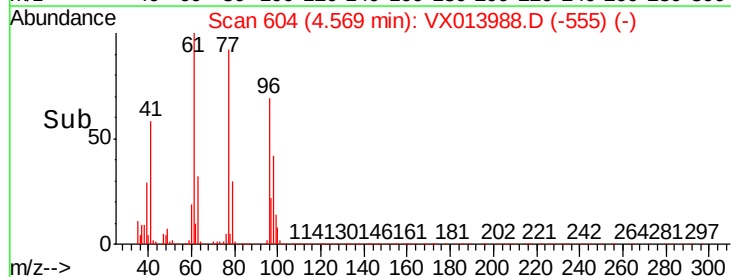
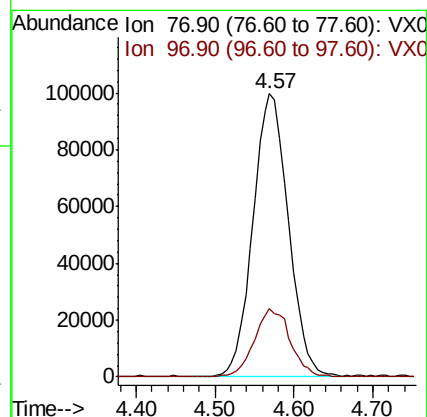
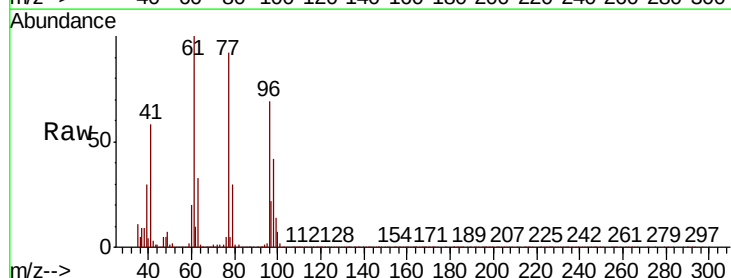
Acq: 12 Dec 2019 20:15

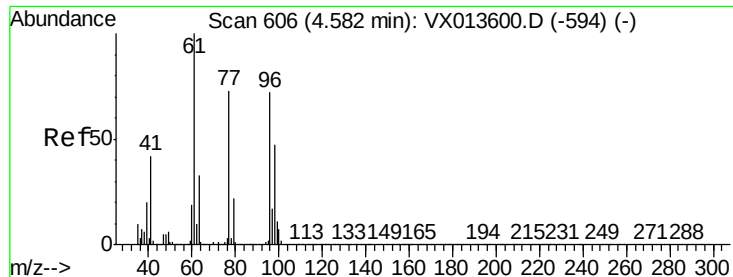
Tgt Ion: 77 Resp: 311711

Ion Ratio Lower Upper

77 100

97 24.2 12.0 36.1



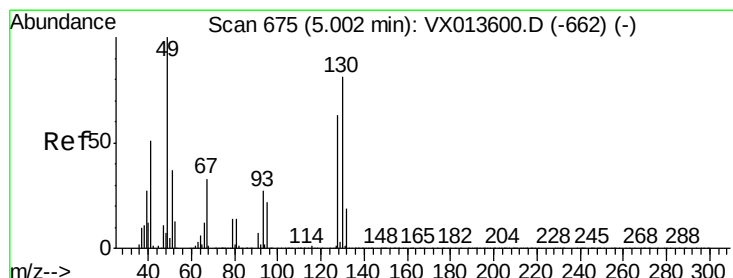
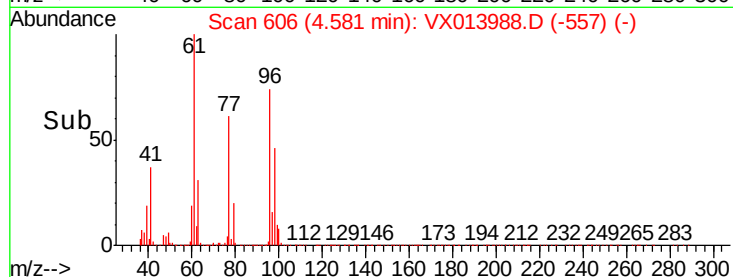
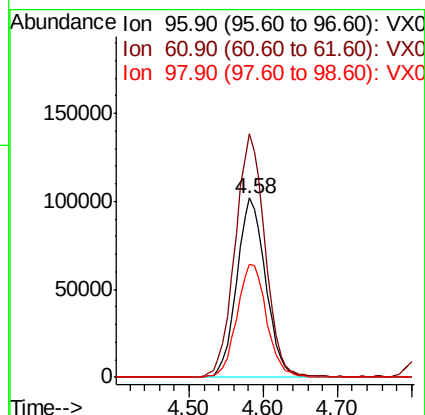
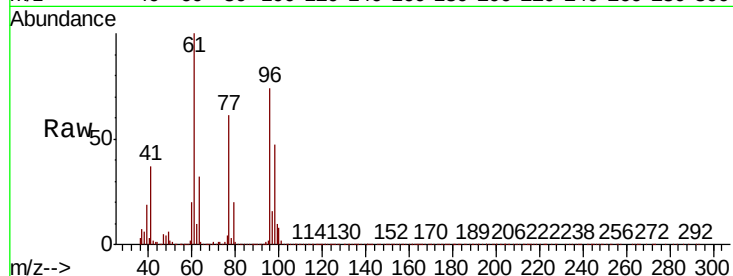


#27

cis-1,2-Dichloroethene
Concen: 48.082 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ1871-20191208MSD

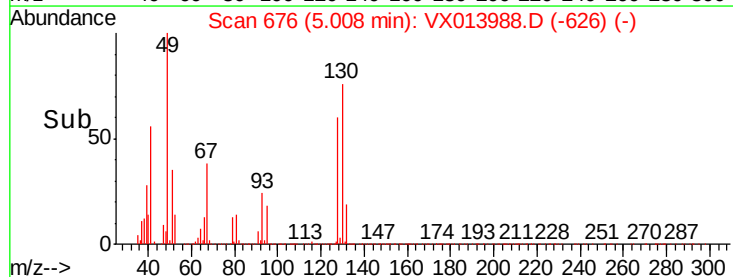
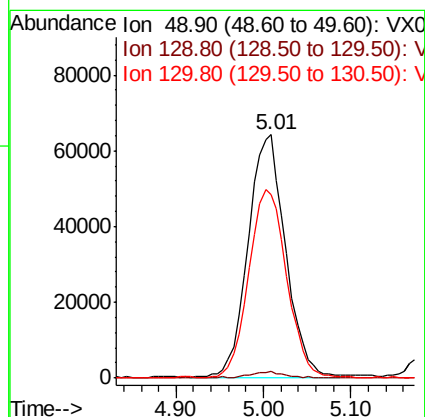
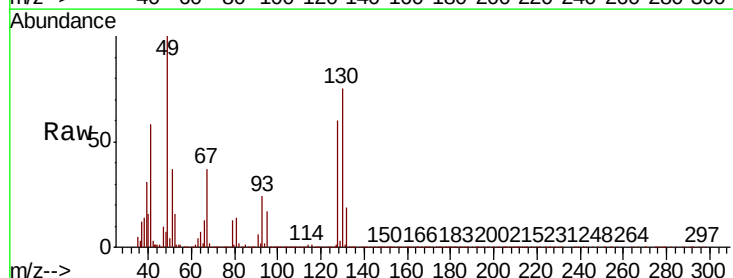
Tot Ion	Ratio	Lower	Upper
96	100		
61	140.2	0.0	286.4
98	64.4	0.0	127.4

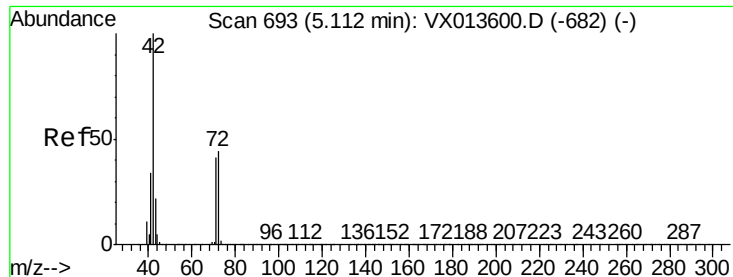


#28

Bromochloromethane
Concen: 54.298 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.0
130	79.0	65.4	98.0





#29

Tetrahydrofuran

Concen: 240.861 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.01 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ187I-20191208MSD

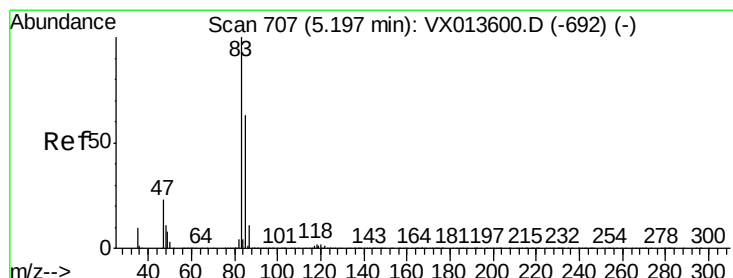
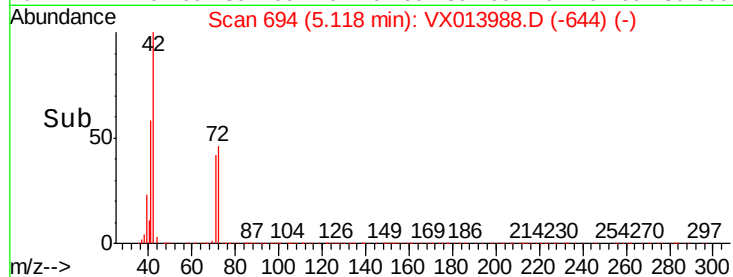
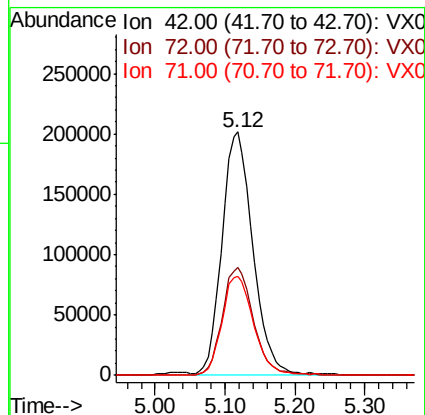
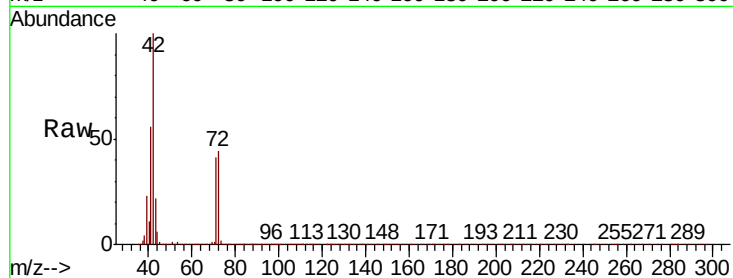
Tot Ion: 42 Resp: 613489

Ion Ratio Lower Upper

42 100

72 44.8 36.3 54.5

71 41.9 33.2 49.8



#30

Chloroform

Concen: 47.803 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.00 min

Lab File: VX013988.D

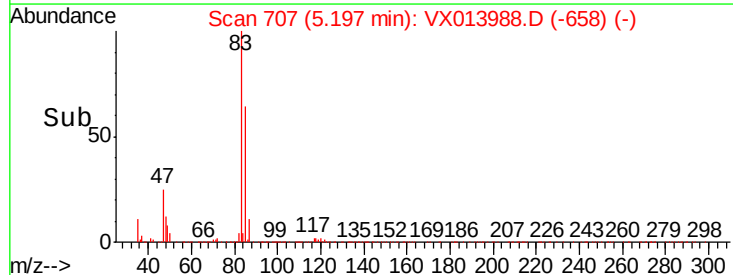
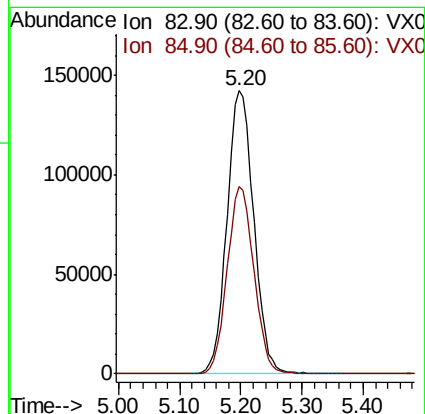
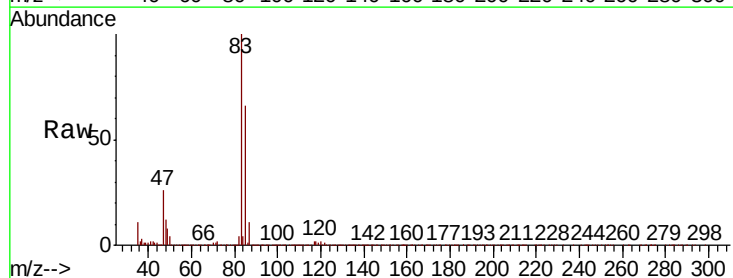
Acq: 12 Dec 2019 20:15

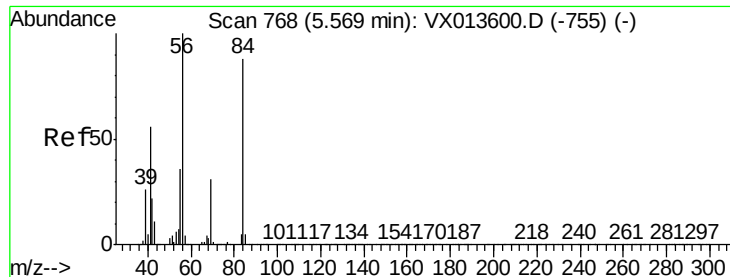
Tgt Ion: 83 Resp: 427530

Ion Ratio Lower Upper

83 100

85 66.1 50.2 75.4

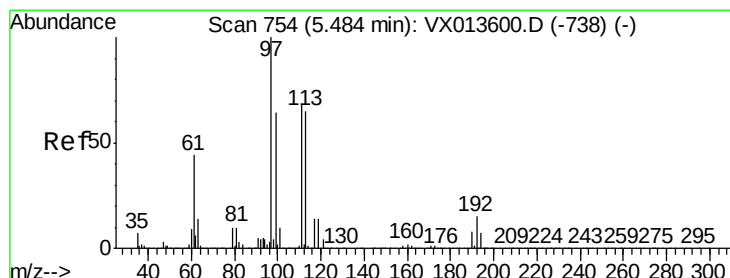
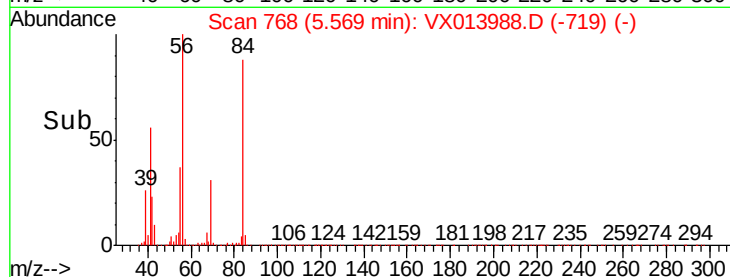
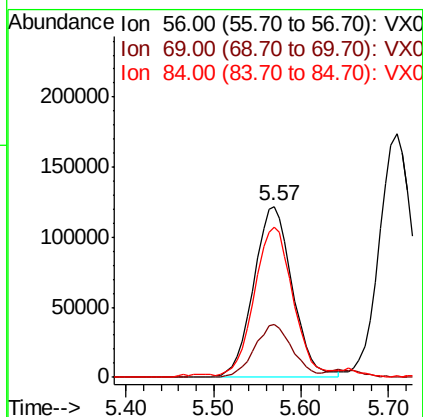
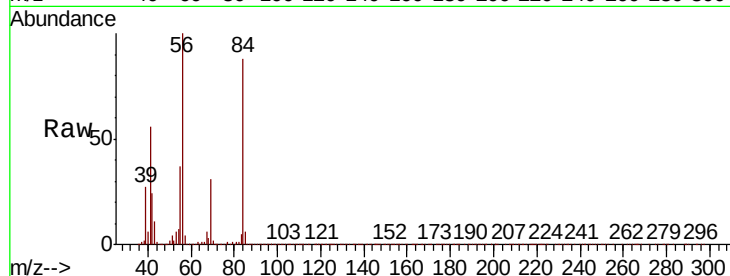




#31
Cyclohexane
Concen: 45.162 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

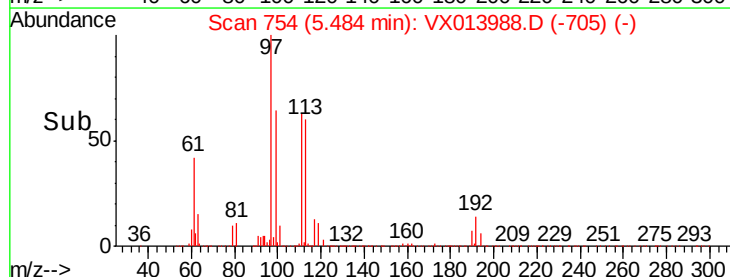
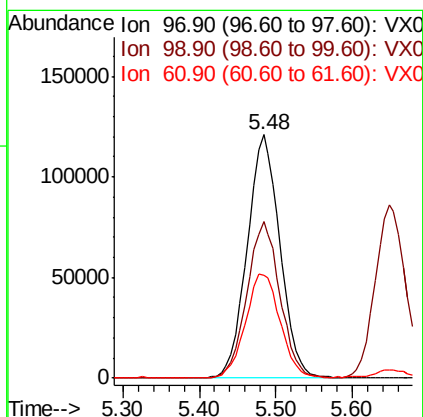
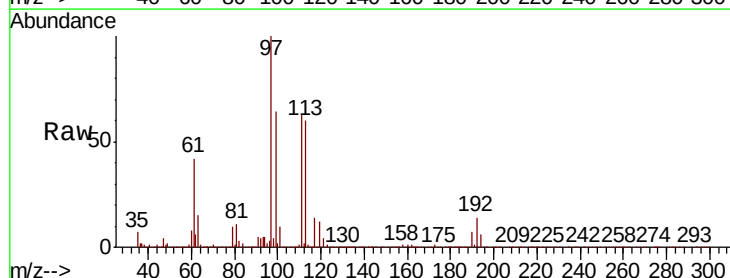
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ187I-20191208MSD

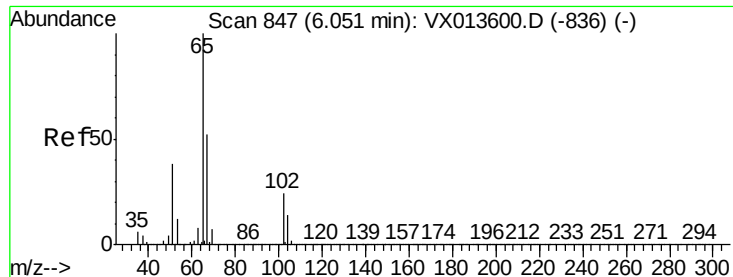
Tot Ion: 56 Resp: 375656
Ion Ratio Lower Upper
56 100
69 30.7 24.6 36.8
84 86.7 70.0 105.0



#32
1,1,1-Trichloroethane
Concen: 48.011 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Tgt Ion: 97 Resp: 358831
Ion Ratio Lower Upper
97 100
99 65.1 51.6 77.4
61 44.8 36.1 54.1

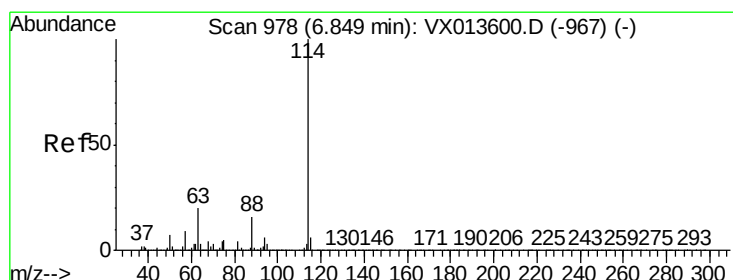
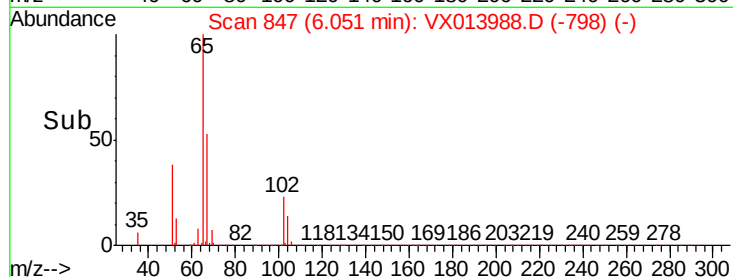
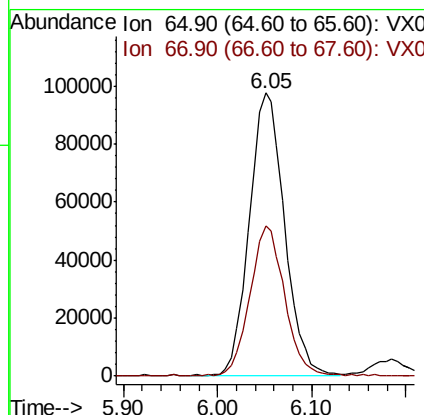
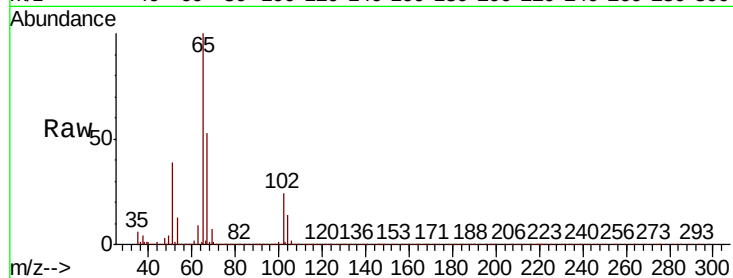




#33
 1,2-Dichloroethane-d4
 Concen: 45.602 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX013988.D
 Acq: 12 Dec 2019 20:15

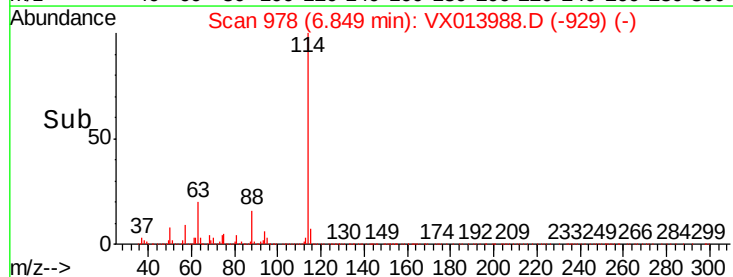
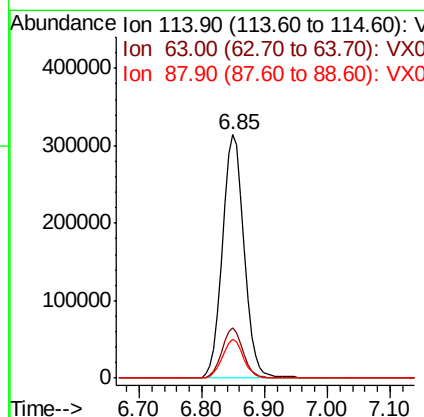
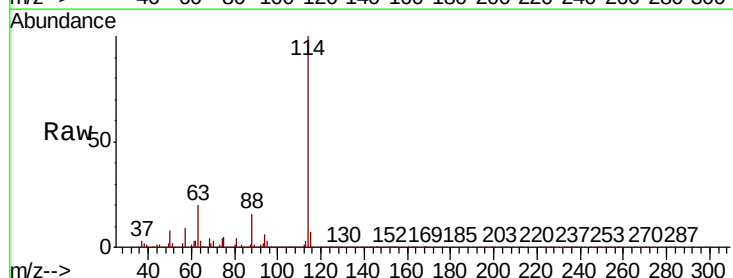
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ187I-20191208MSD

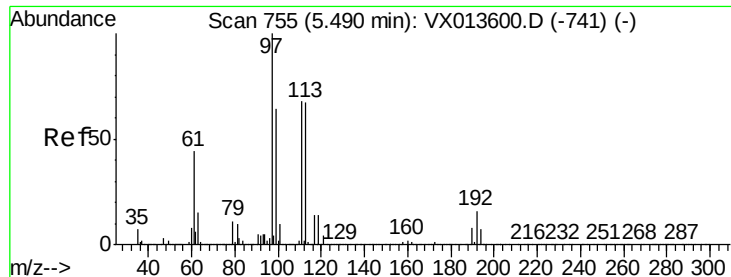
Tot Ion: 65 Resp: 256781
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013988.D
 Acq: 12 Dec 2019 20:15

Tgt Ion: 114 Resp: 753975
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.6
 88 15.7 0.0 31.4

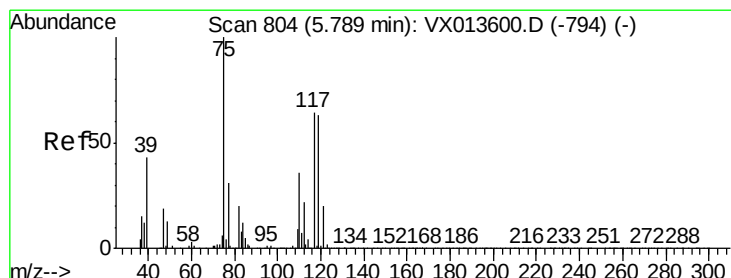
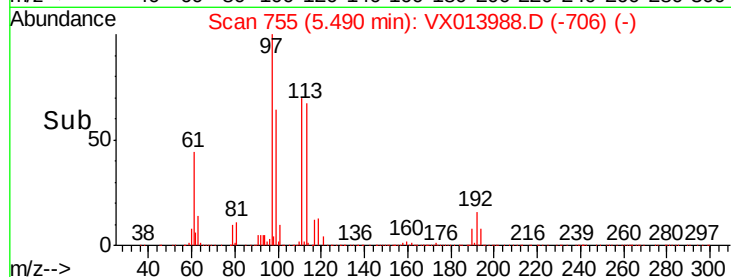
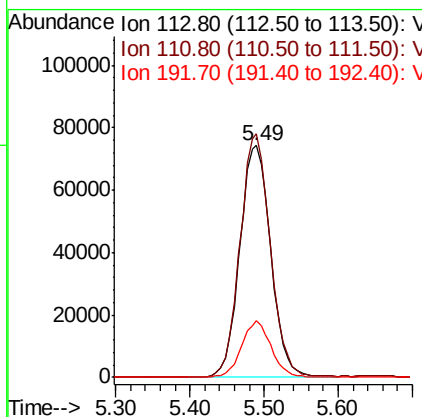
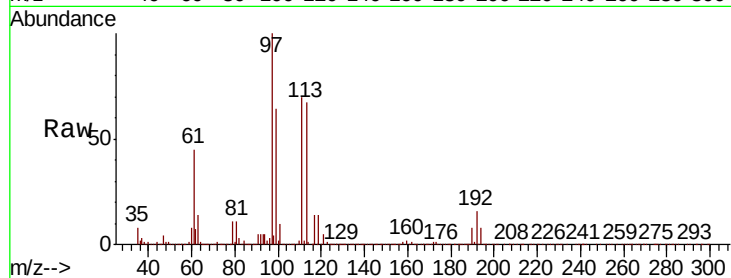




#35
Dibromofluoromethane
Concen: 46.384 ug/l
RT: 5.49 min Scan# 755
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

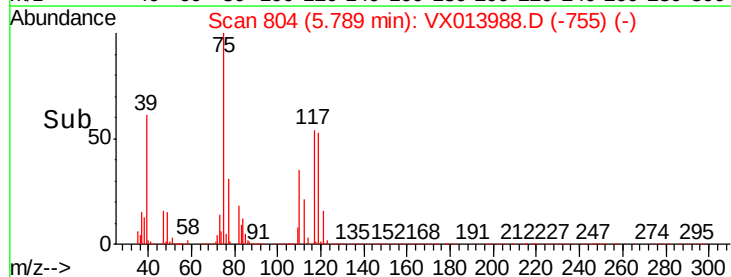
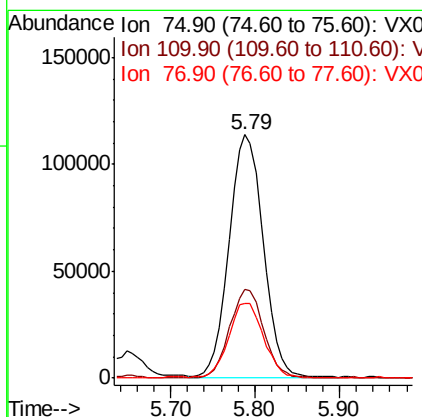
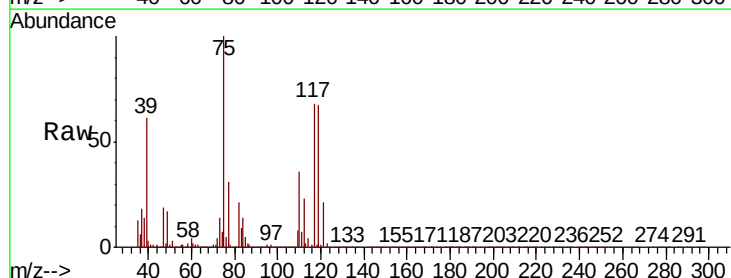
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ187I-20191208MSD

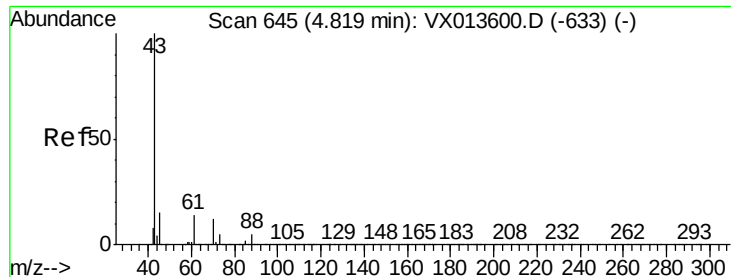
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.6	125.4
192	23.2	19.2	28.8



#36
1,1-Dichloropropene
Concen: 45.470 ug/l
RT: 5.79 min Scan# 804
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.1	54.1
77	31.1	24.5	36.7

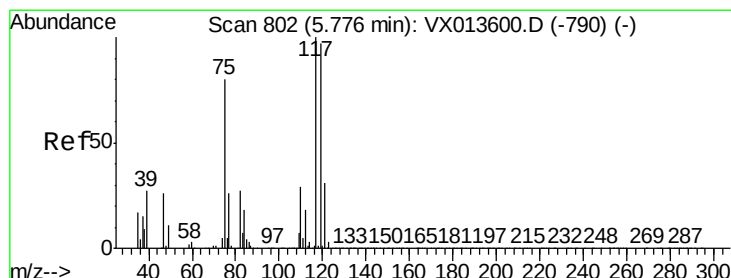
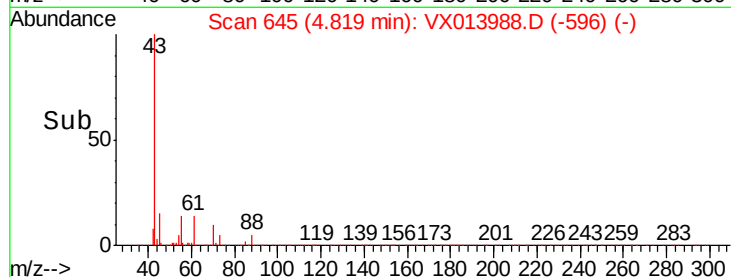
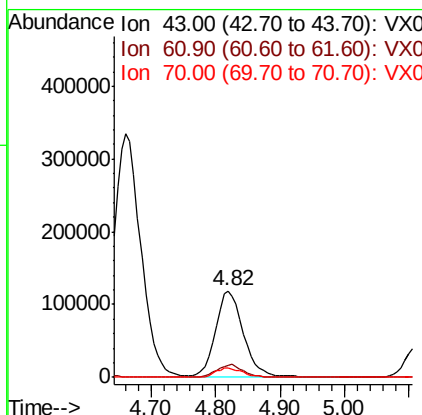
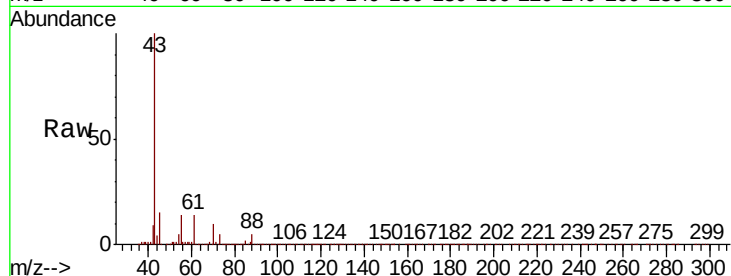




#37
Ethyl Acetate
Concen: 46.538 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

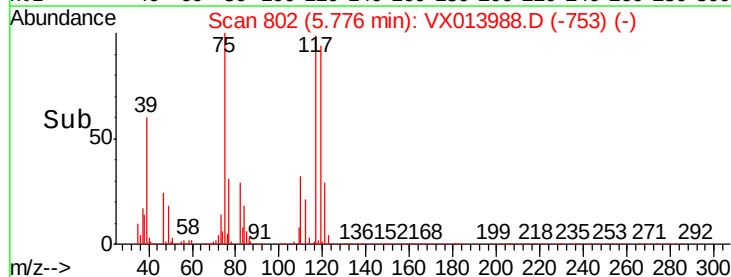
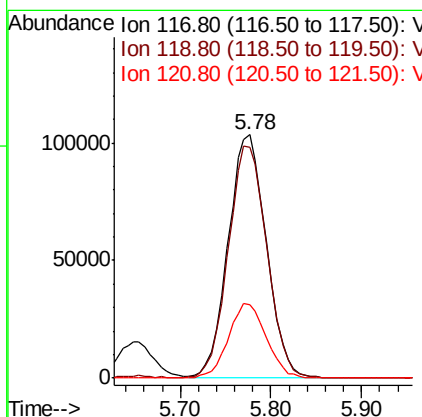
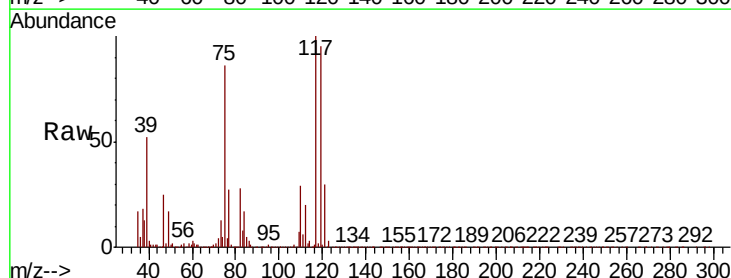
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ187I-20191208MSD

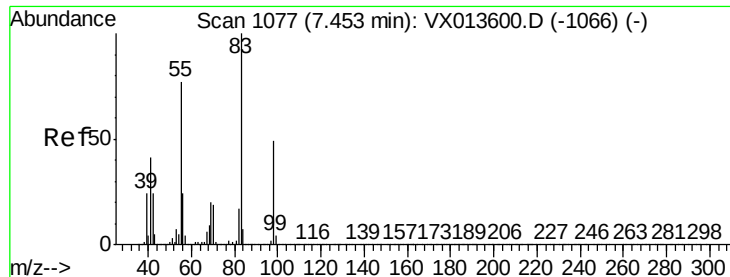
Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.0	16.4
70	10.8	8.6	12.8



#38
Carbon Tetrachloride
Concen: 47.565 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.5	116.3
121	30.2	25.0	37.6

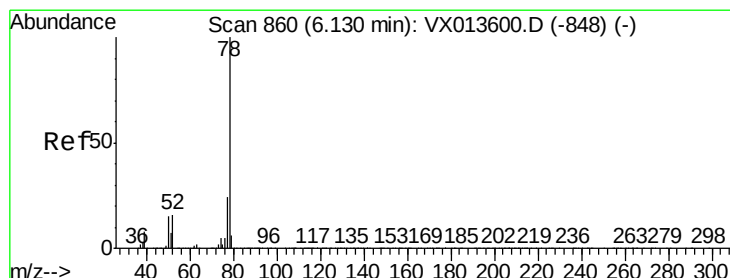
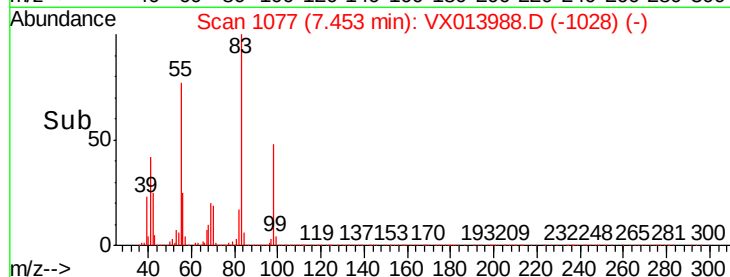
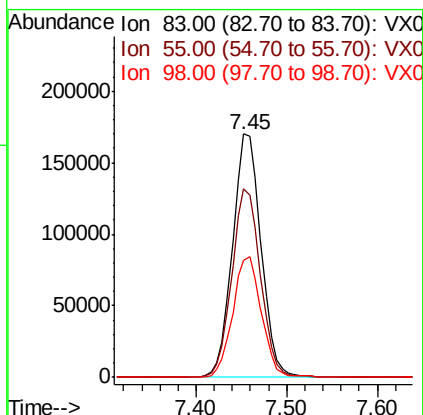
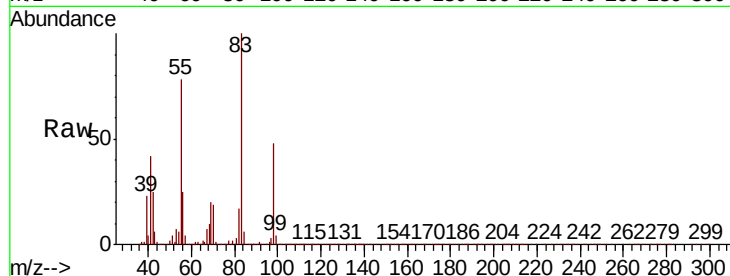




#39
Methylvlcyclohexane
Concen: 43.808 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

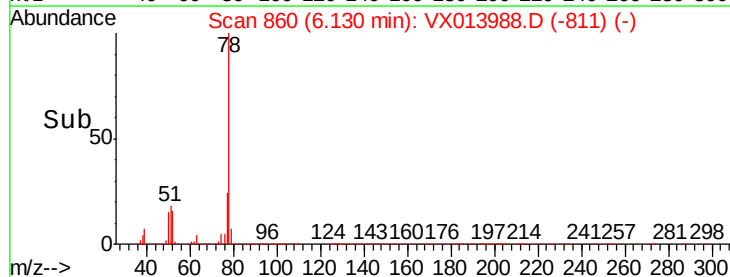
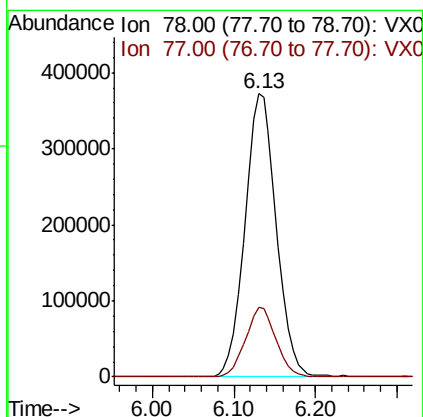
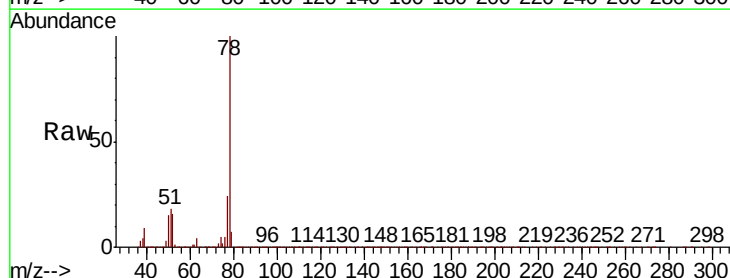
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ187I-20191208MSD

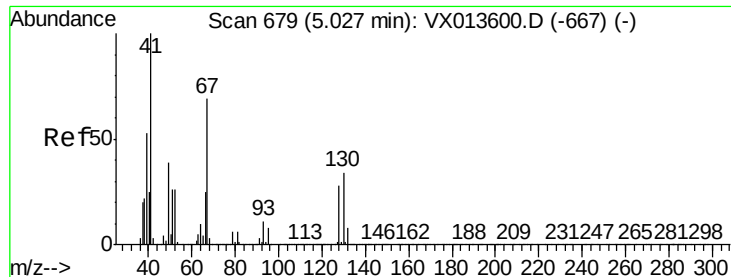
Tot Ion	Ratio	Lower	Upper
83	100		
55	77.4	61.9	92.9
98	48.0	39.4	59.0



#40
Benzene
Concen: 47.675 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.0	28.4





#41

Methacrylonitrile

Concen: 48.964 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ187I-20191208MSD

Tot Ion: 41 Resp: 206179

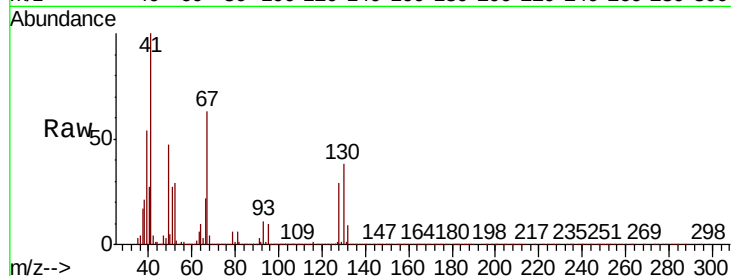
Ion Ratio Lower Upper

41 100

39 55.2 42.9 64.3

67 72.4 57.4 86.0

52 28.6 22.4 33.6

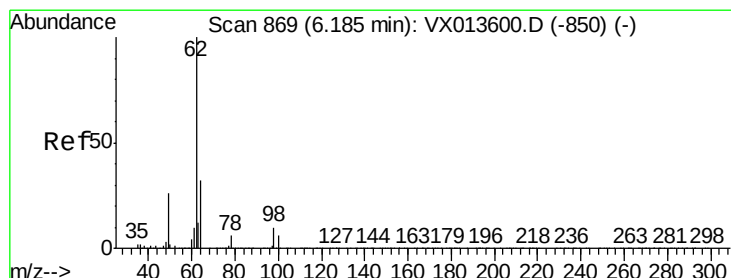
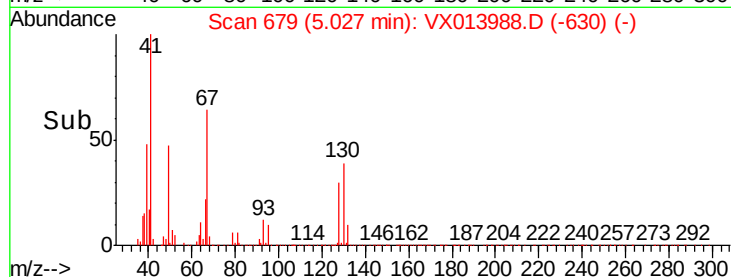
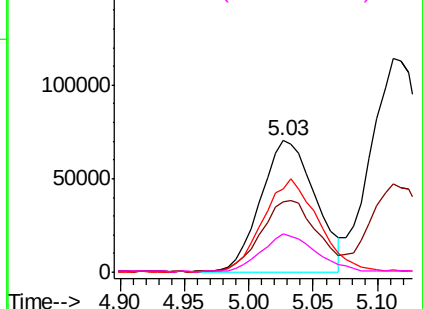


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 48.515 ug/l

RT: 6.18 min Scan# 869

Delta R.T. -0.00 min

Lab File: VX013988.D

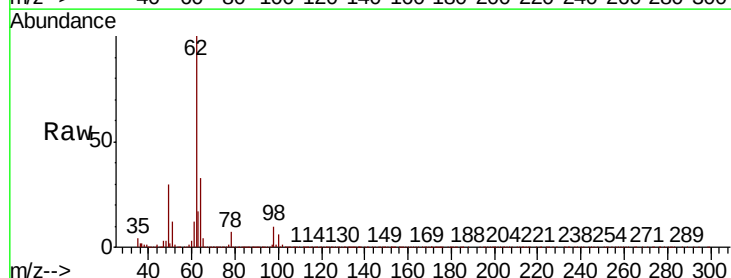
Acq: 12 Dec 2019 20:15

Tgt Ion: 62 Resp: 344897

Ion Ratio Lower Upper

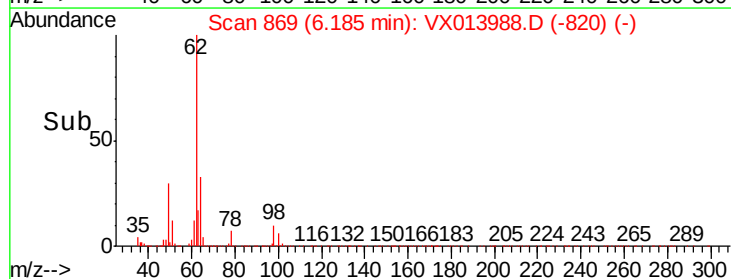
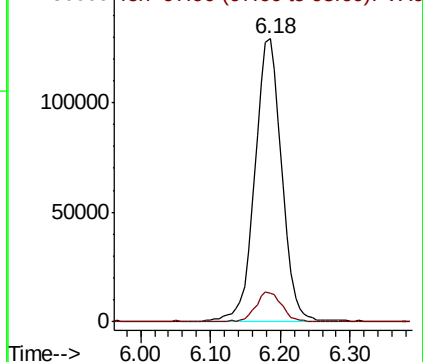
62 100

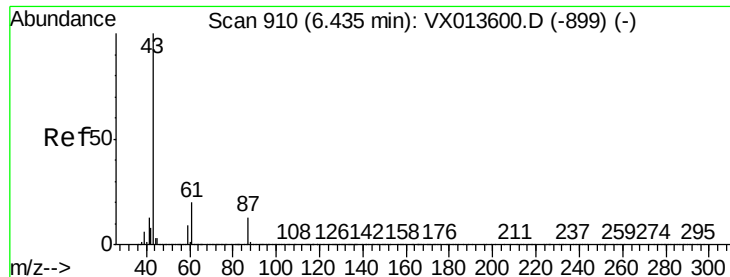
98 10.6 0.0 20.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 47.060 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ187I-20191208MSD

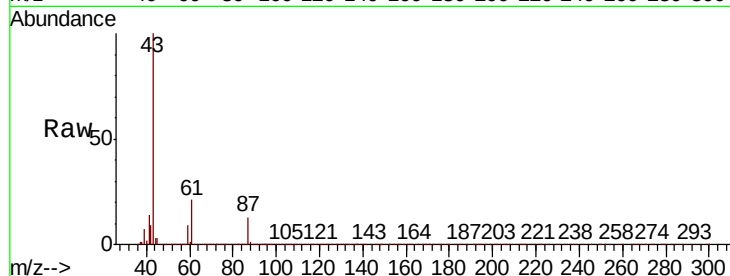
Tot Ion: 43 Resp: 594871

Ion Ratio Lower Upper

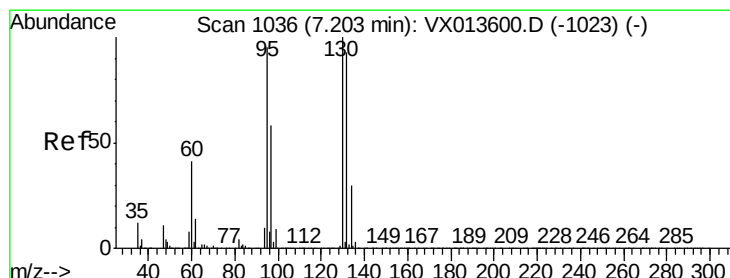
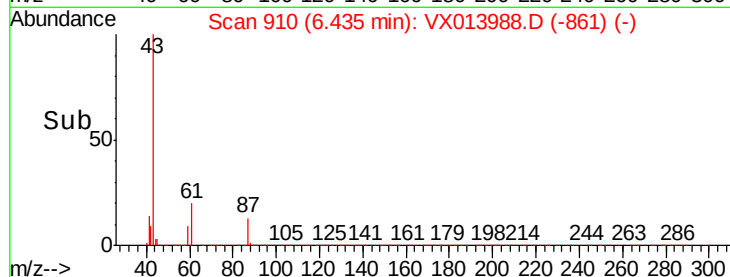
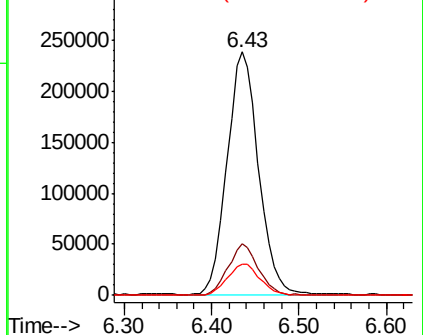
43 100

61 20.2 16.3 24.5

87 13.2 10.8 16.2



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



#44

Trichloroethene

Concen: 48.305 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VX013988.D

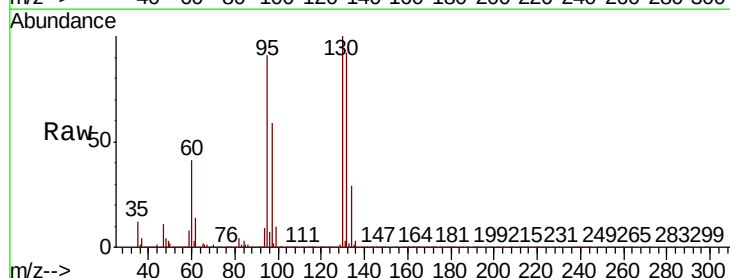
Acq: 12 Dec 2019 20:15

Tgt Ion:130 Resp: 276350

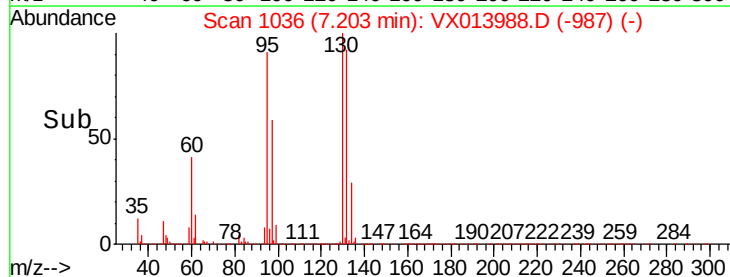
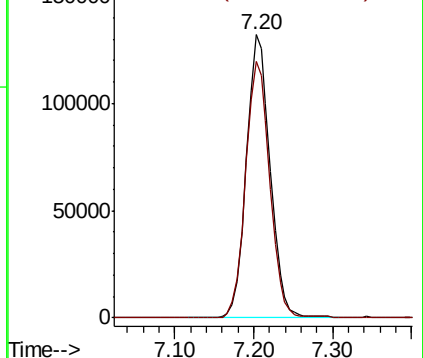
Ion Ratio Lower Upper

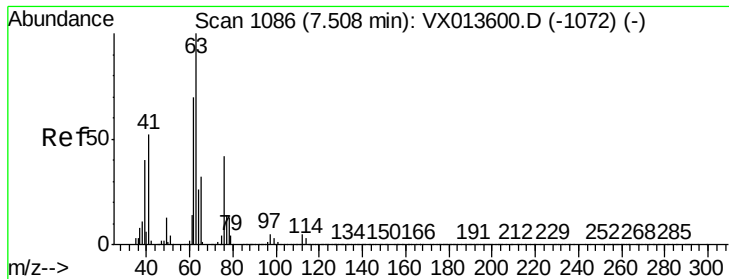
130 100

95 90.6 0.0 190.8



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

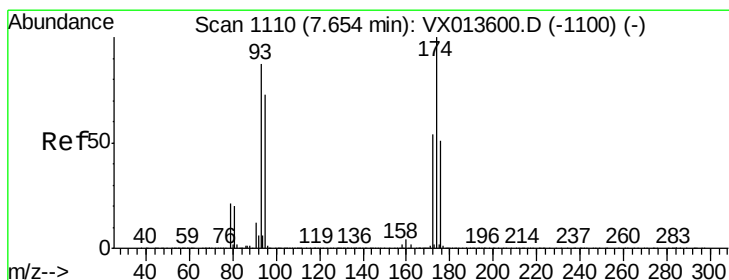
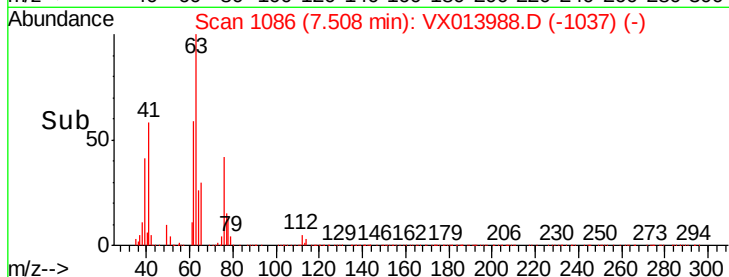
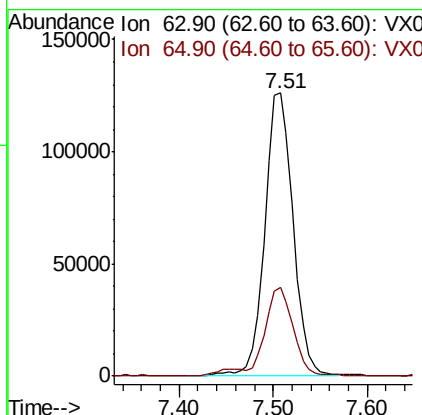
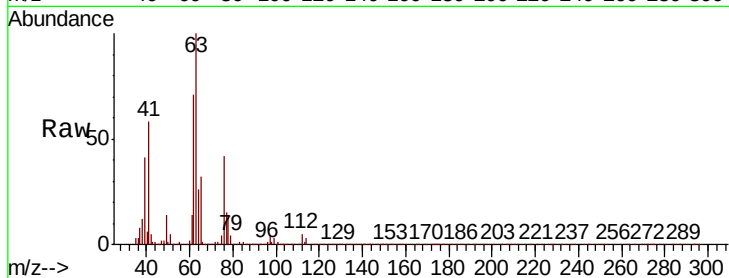




#45
 1,2-Dichloropropane
 Concen: 50.583 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX013988.D
 Acq: 12 Dec 2019 20:15

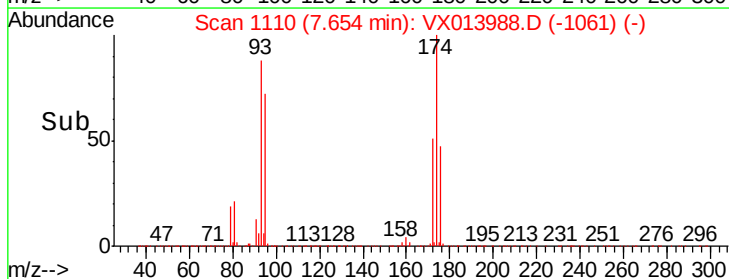
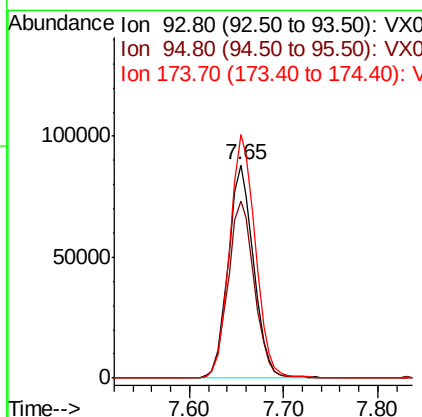
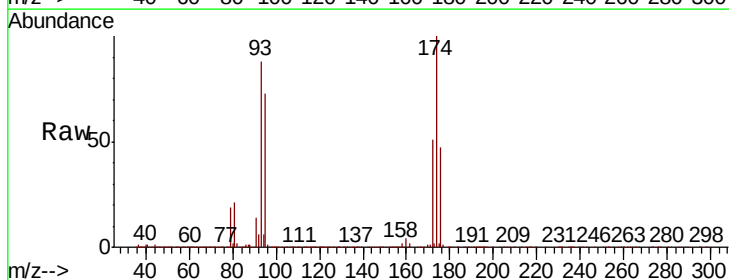
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ187I-20191208MSD

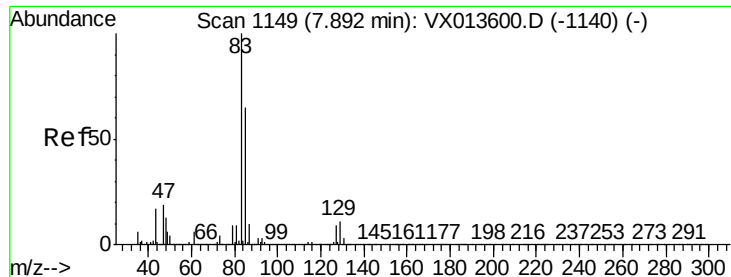
Tot Ion: 63 Resp: 263812
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.5 38.3



#46
 Dibromomethane
 Concen: 46.544 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX013988.D
 Acq: 12 Dec 2019 20:15

Tgt Ion: 93 Resp: 164866
 Ion Ratio Lower Upper
 93 100
 95 85.1 66.2 99.2
 174 116.0 93.4 140.0





#47

Bromodichloromethane

Concen: 49.315 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ187I-20191208MSD

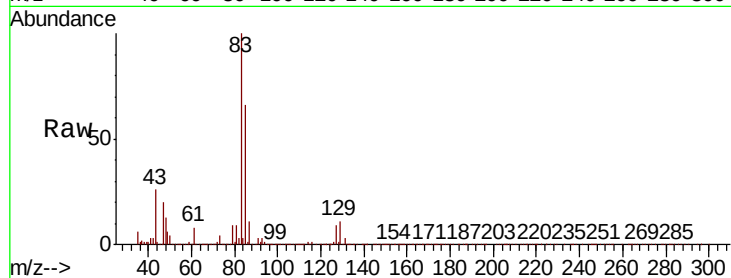
Tot Ion: 83 Resp: 330231

Ion Ratio Lower Upper

83 100

85 65.5 52.1 78.1

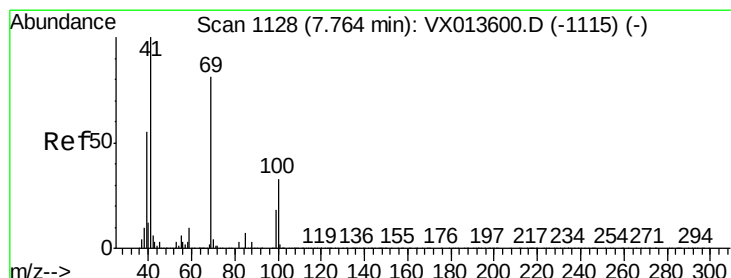
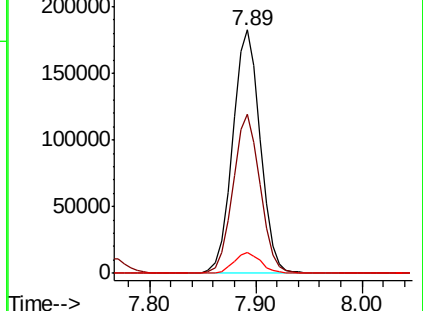
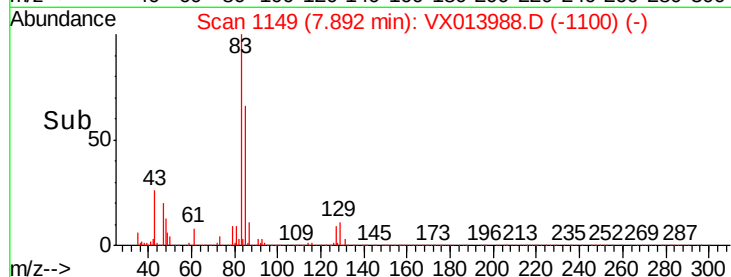
127 8.5 7.0 10.4



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: 49.824 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

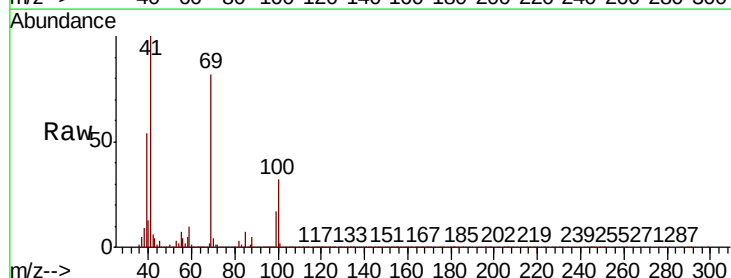
Tgt Ion: 41 Resp: 306011

Ion Ratio Lower Upper

41 100

69 81.4 64.7 97.1

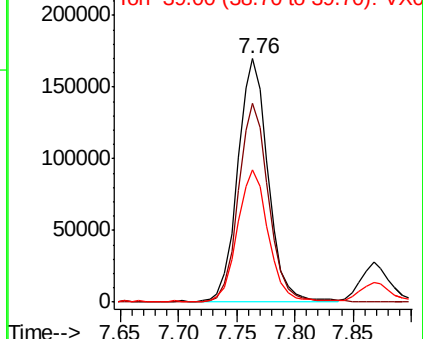
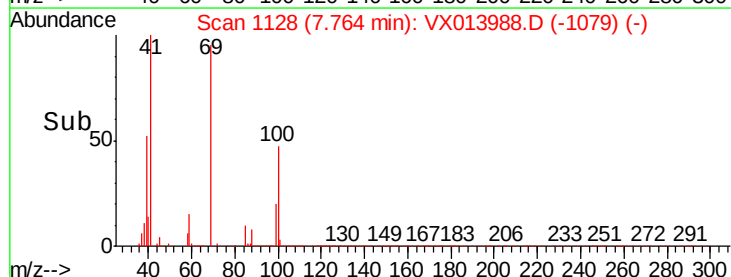
39 55.0 43.8 65.6

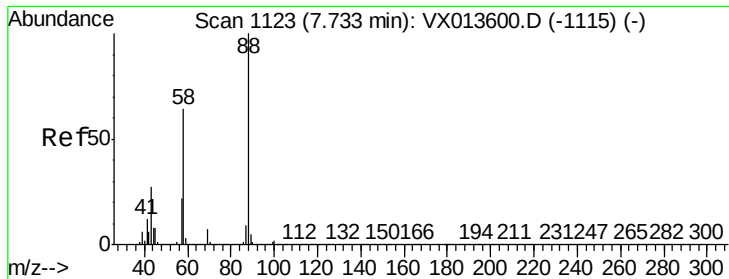


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 903.678 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ187I-20191208MSD

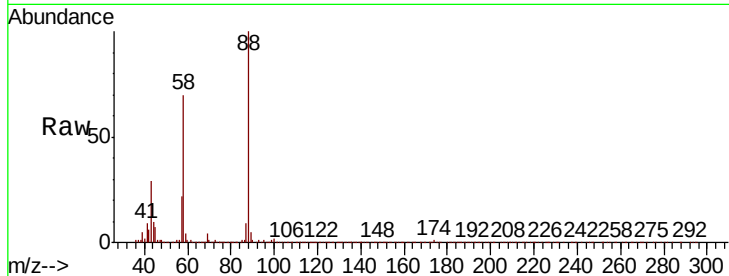
Tot Ion: 88 Resp: 124235

Ion Ratio Lower Upper

88 100

43 32.4 25.8 38.6

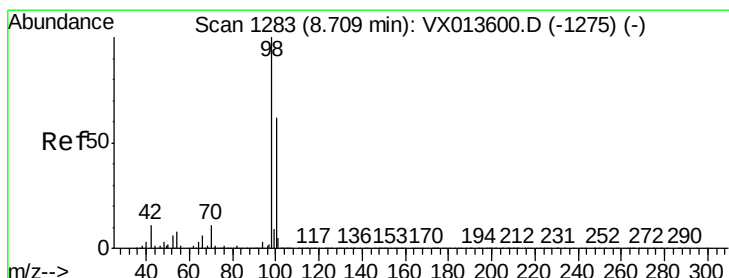
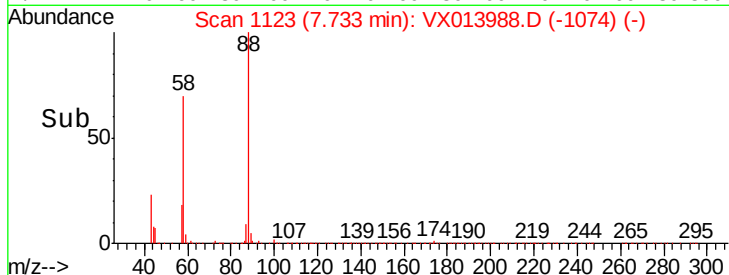
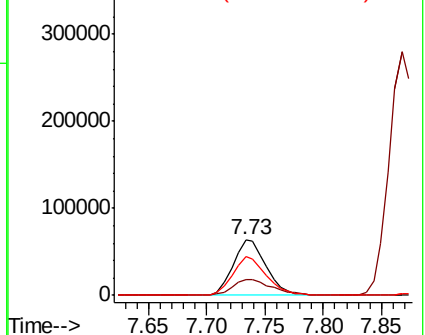
58 72.9 54.6 82.0



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: 44.179 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013988.D

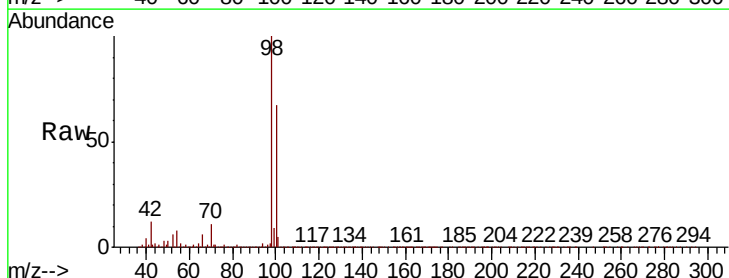
Acq: 12 Dec 2019 20:15

Tgt Ion: 98 Resp: 802307

Ion Ratio Lower Upper

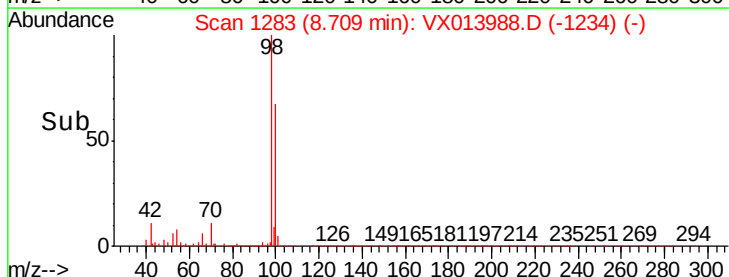
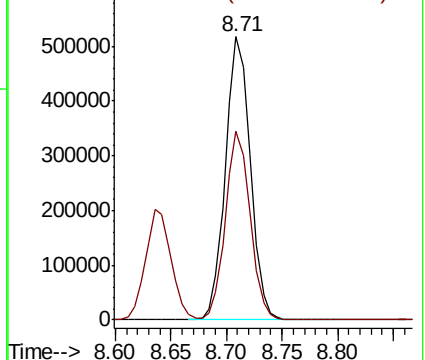
98 100

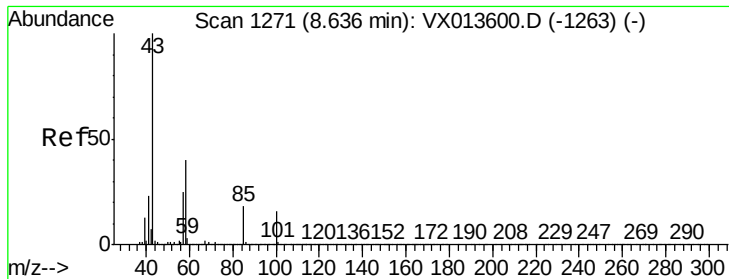
100 66.1 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 254.917 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

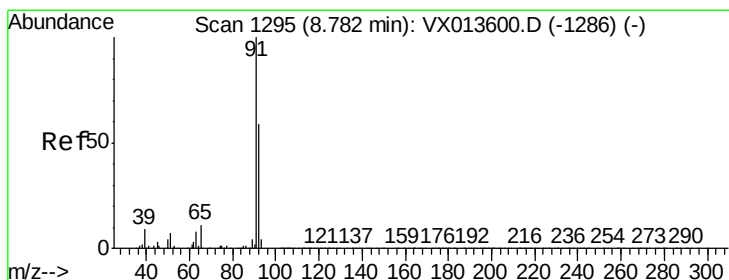
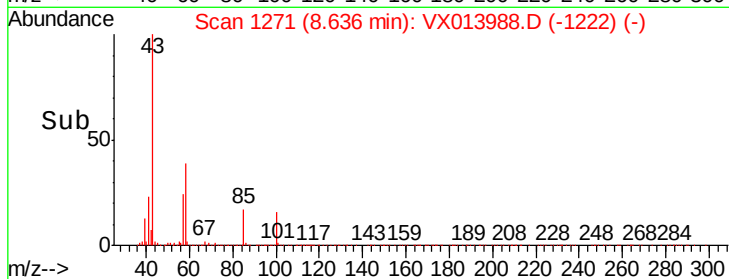
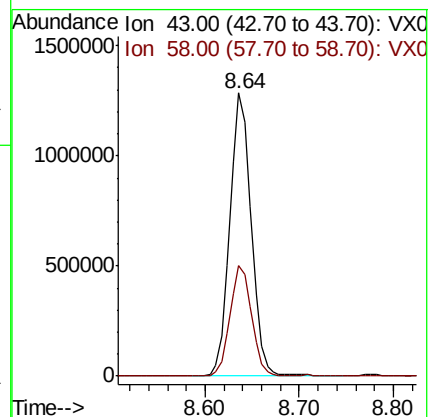
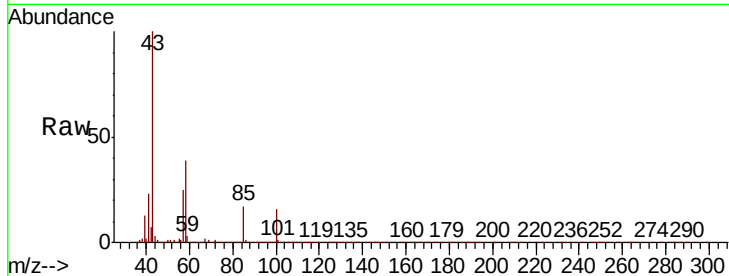
SA-PZ187I-20191208MSD

Tot Ion: 43 Resp: 2026915

Ion Ratio Lower Upper

43 100

58 39.4 32.1 48.1



#52

Toluene

Concen: 48.346 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX013988.D

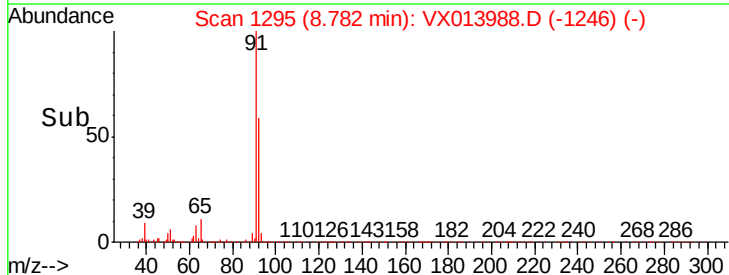
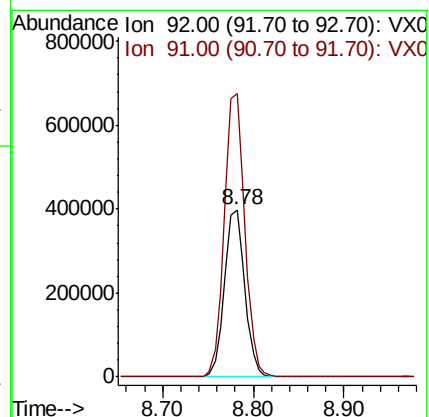
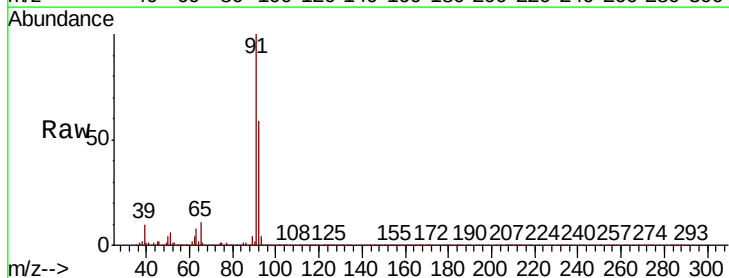
Acq: 12 Dec 2019 20:15

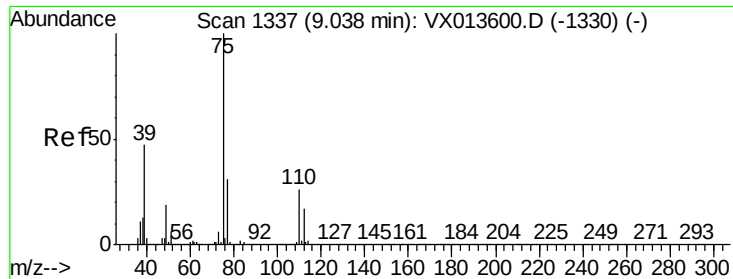
Tgt Ion: 92 Resp: 626072

Ion Ratio Lower Upper

92 100

91 170.8 136.2 204.2

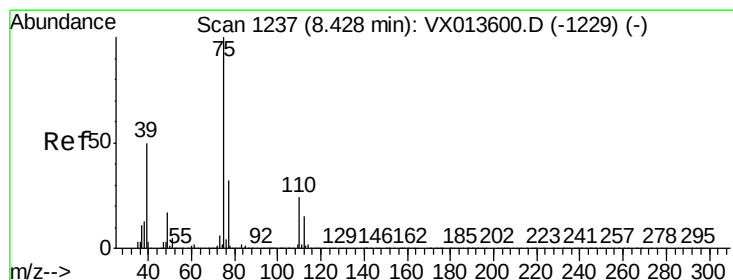
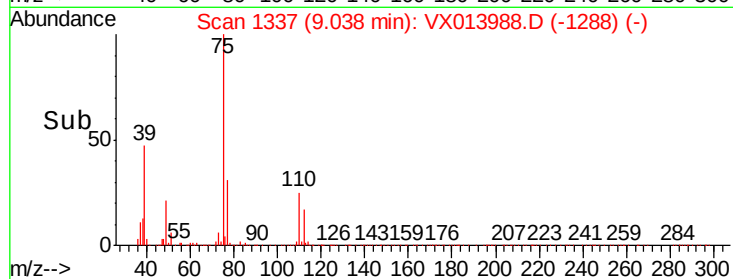
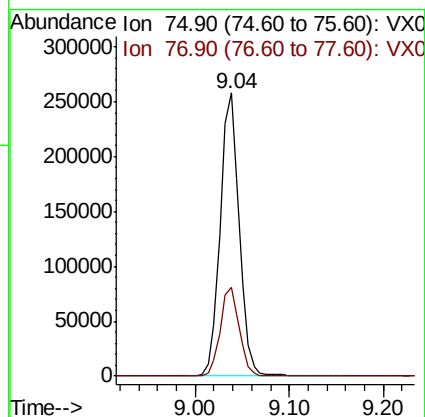
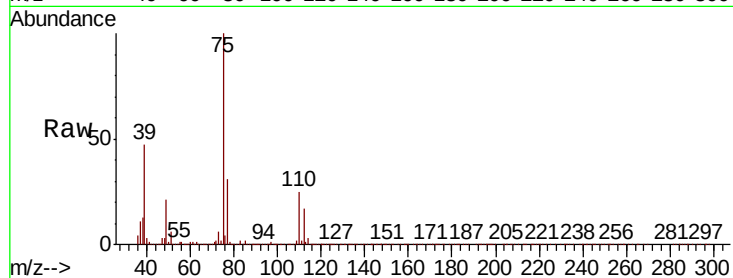




#53
t-1,3-Dichloropropene
Concen: 47.471 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

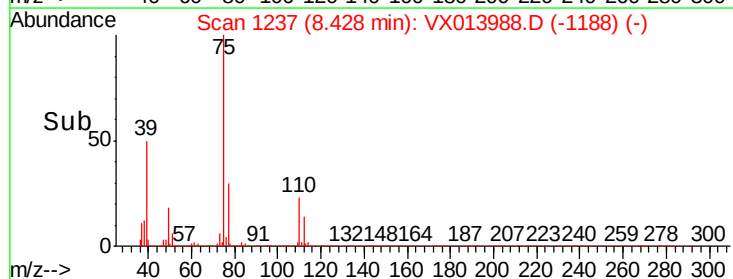
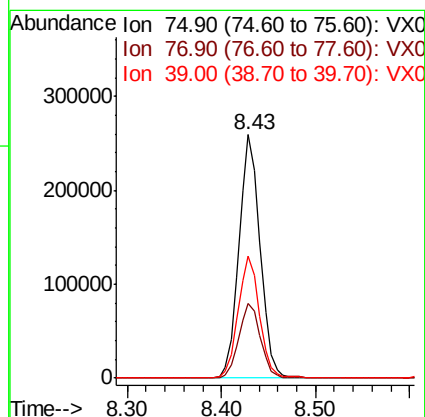
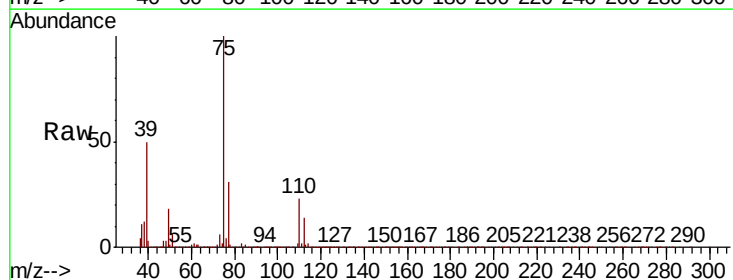
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ187I-20191208MSD

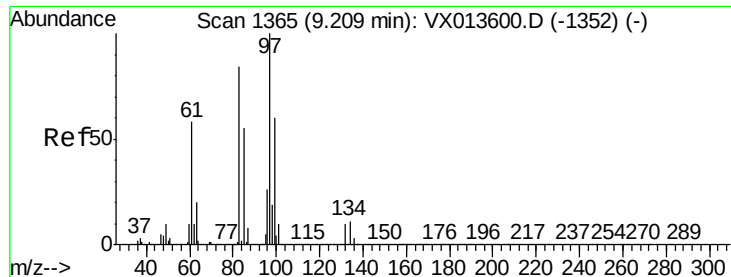
Tot Ion: 75 Resp: 361828
Ion Ratio Lower Upper
75 100
77 31.3 24.4 36.6



#54
cis-1,3-Dichloropropene
Concen: 48.555 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Tgt Ion: 75 Resp: 404335
Ion Ratio Lower Upper
75 100
77 30.5 25.8 38.6
39 50.1 39.9 59.9





#55

1,1,2-Trichloroethane

Concen: 50.696 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ187I-20191208MSD

Tot Ion: 97 Resp: 264558

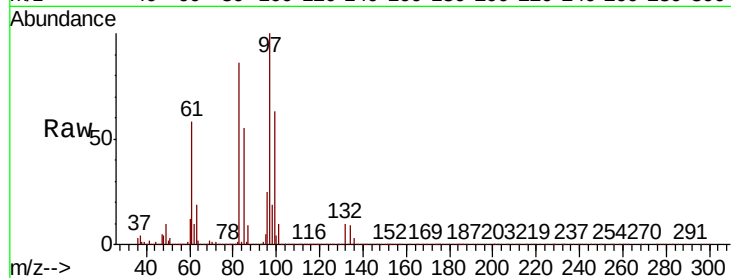
Ion Ratio Lower Upper

97 100

83 85.7 67.3 100.9

85 54.6 43.6 65.4

99 63.0 48.2 72.4

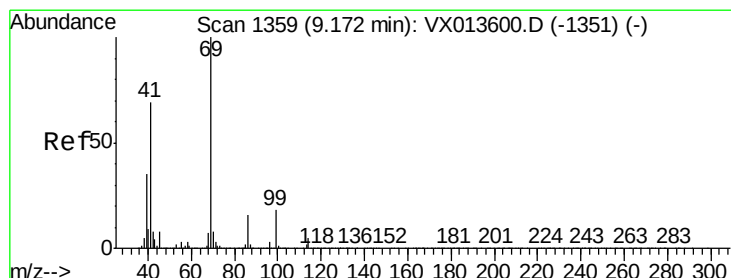
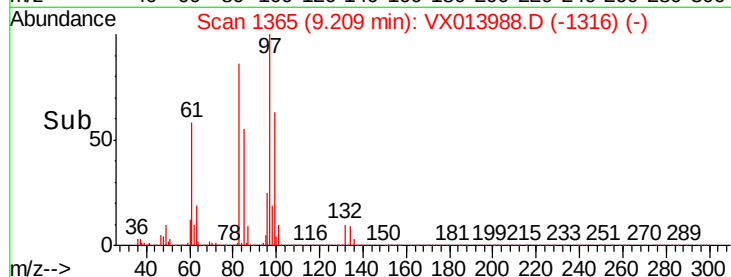
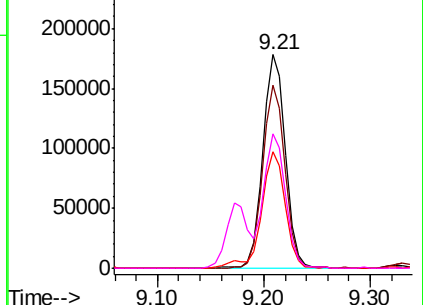


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 50.384 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

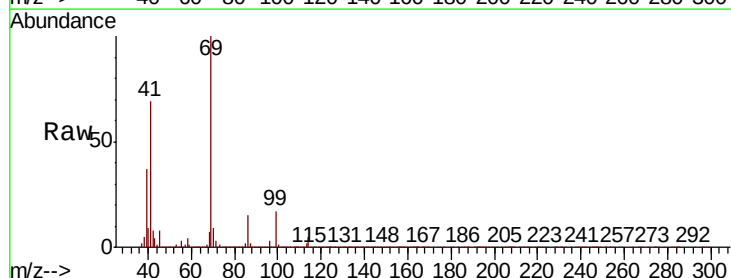
Tgt Ion: 69 Resp: 422728

Ion Ratio Lower Upper

69 100

41 69.0 55.0 82.4

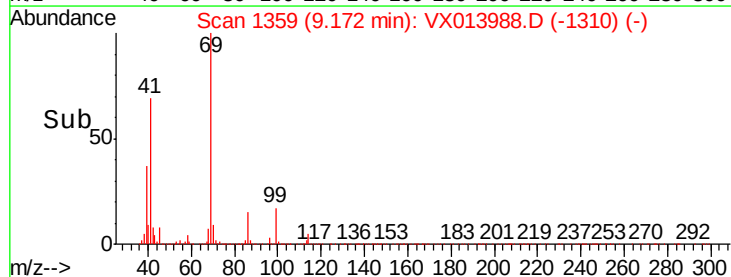
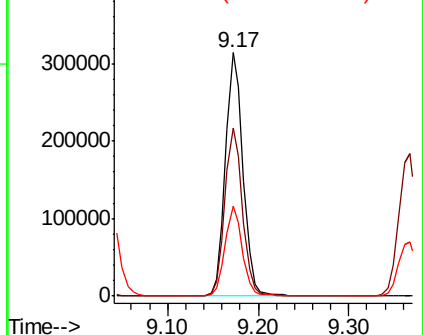
39 36.3 28.7 43.1

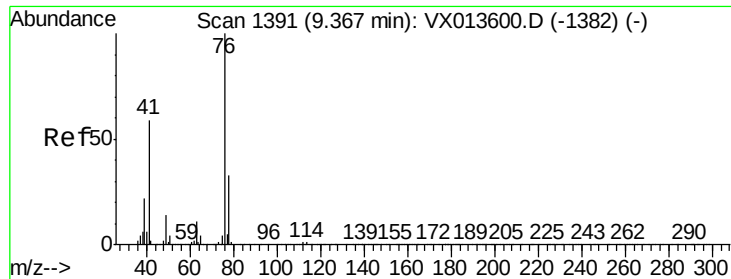


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

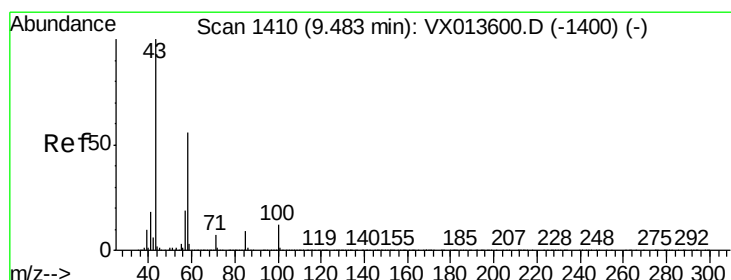
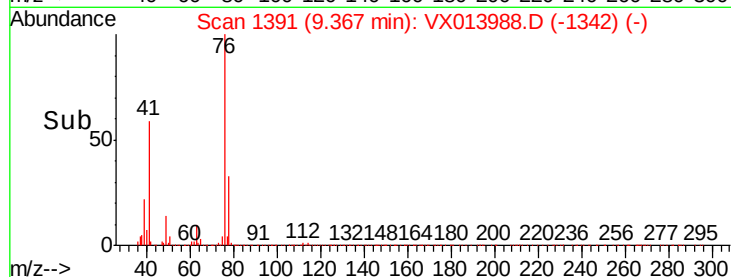
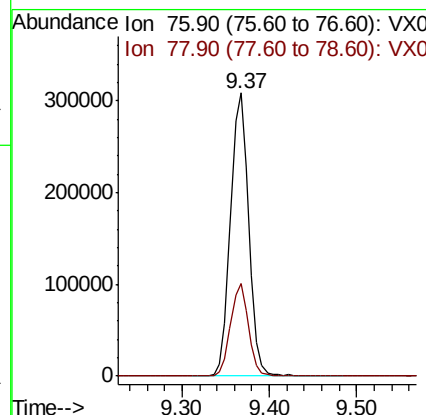
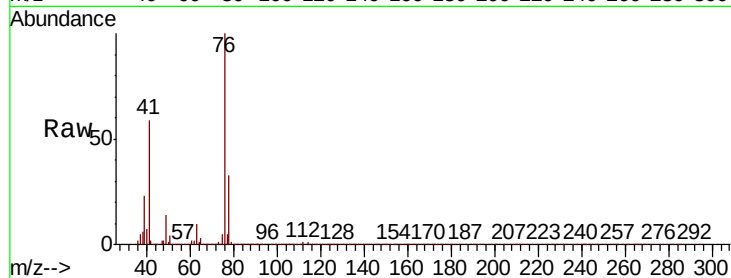




#57
 1,3-Dichloropropane
 Concen: 49.358 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX013988.D
 Acq: 12 Dec 2019 20:15

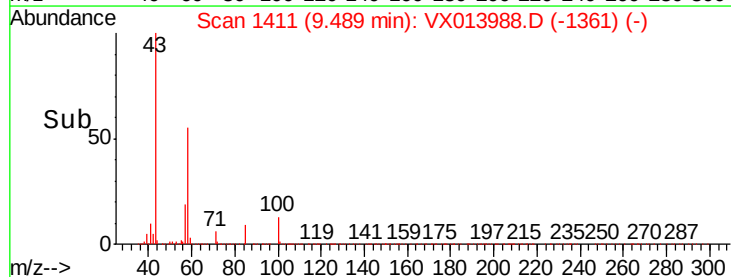
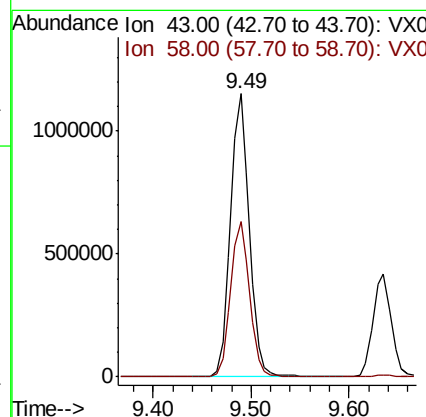
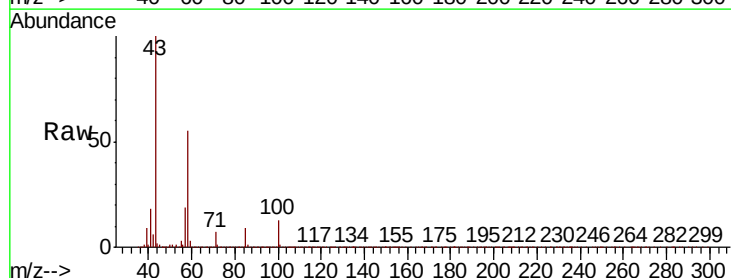
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ187I-20191208MSD

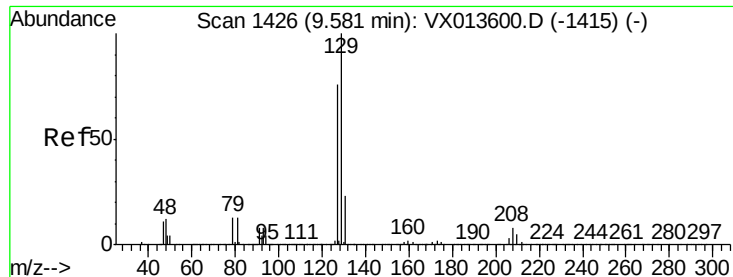
Tot Ion: 76 Resp: 443980
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.0 39.0



#59
 2-Hexanone
 Concen: 247.821 ug/l
 RT: 9.49 min Scan# 1411
 Delta R.T. 0.01 min
 Lab File: VX013988.D
 Acq: 12 Dec 2019 20:15

Tgt Ion: 43 Resp: 1536837
 Ion Ratio Lower Upper
 43 100
 58 55.5 28.1 84.4





#60

Dibromochloromethane

Concen: 50.455 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. -0.01 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

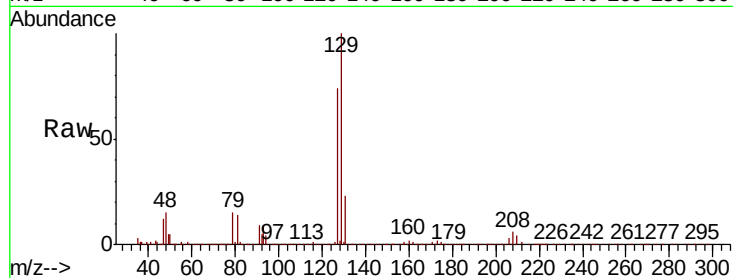
SA-PZ187I-20191208MSD

Tot Ion:129 Resp: 273252

Ion Ratio Lower Upper

129 100

127 76.4 38.5 115.5



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.57

200000

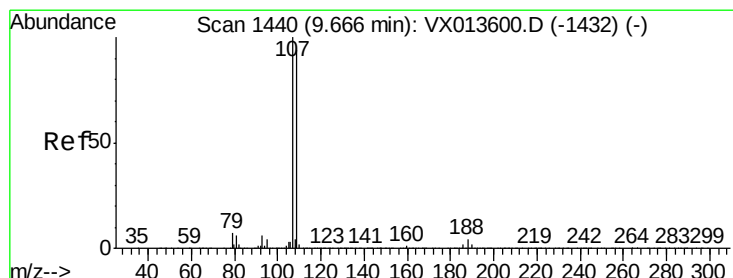
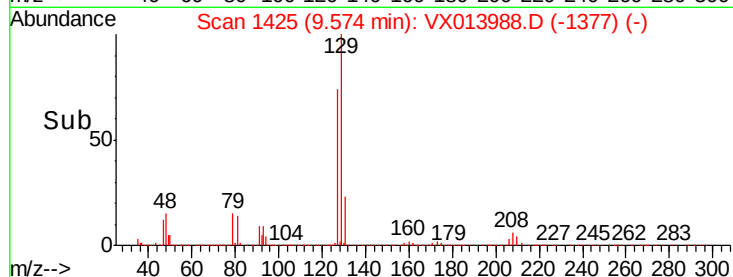
150000

100000

50000

0

Time-->



#61

1,2-Dibromoethane

Concen: 48.616 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013988.D

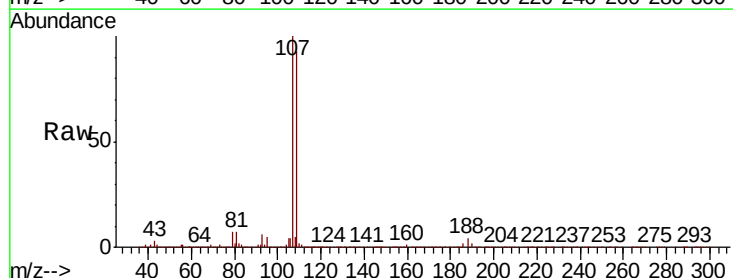
Acq: 12 Dec 2019 20:15

Tgt Ion:107 Resp: 270965

Ion Ratio Lower Upper

107 100

109 92.7 76.1 114.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

200000

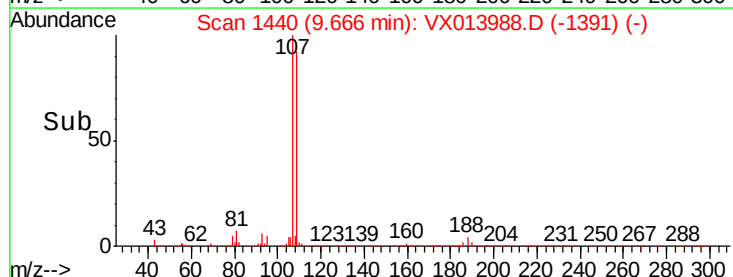
150000

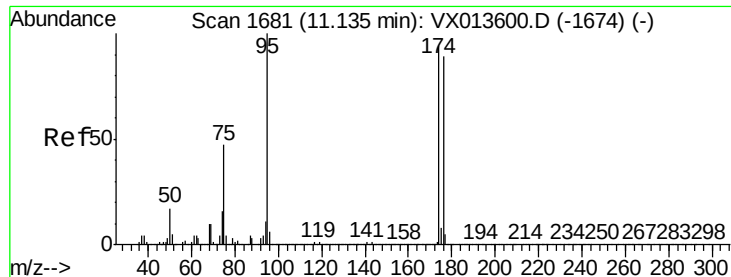
100000

50000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 46.539 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ187I-20191208MSD

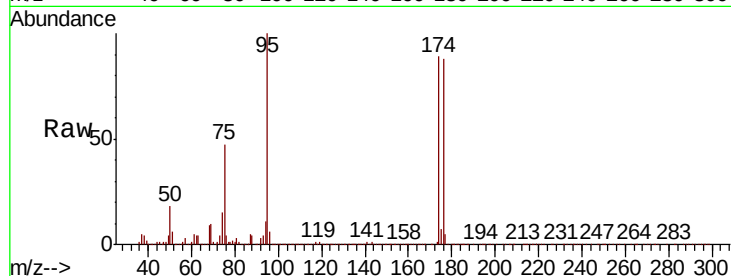
Tot Ion: 95 Resp: 304767

Ion Ratio Lower Upper

95 100

174 88.6 0.0 180.0

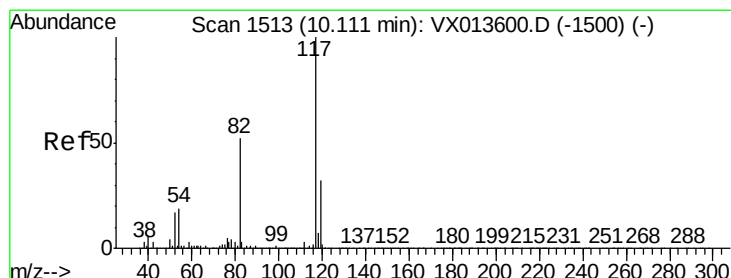
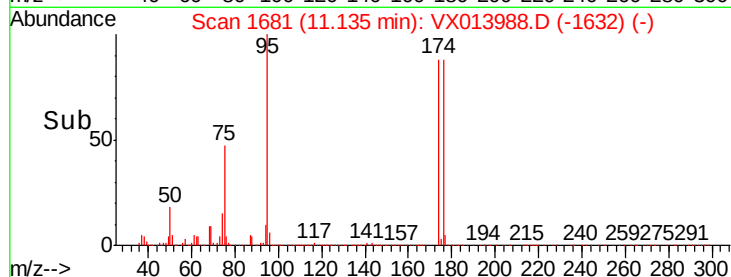
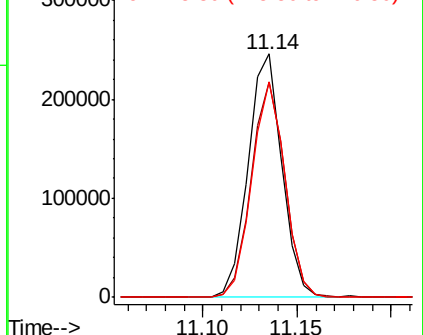
176 87.1 0.0 173.6



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# 1513

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

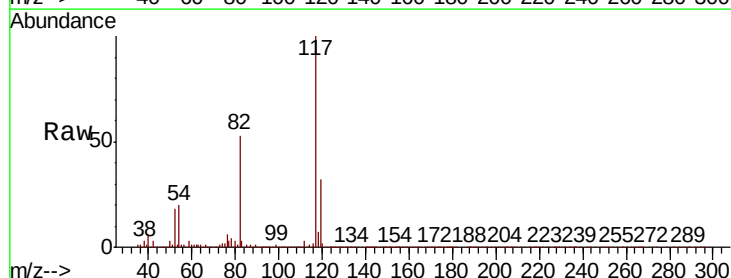
Tgt Ion: 117 Resp: 693356

Ion Ratio Lower Upper

117 100

82 53.4 41.8 62.8

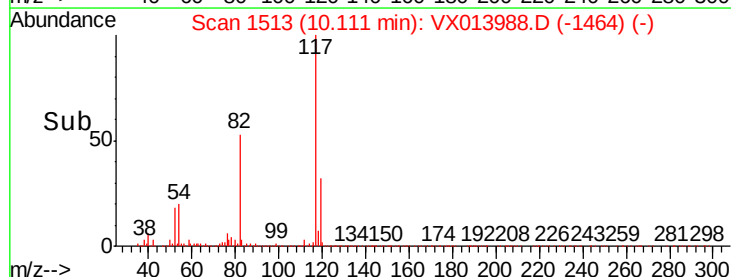
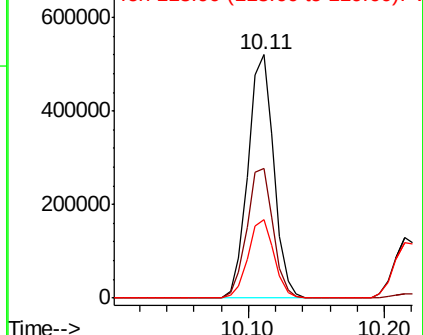
119 32.0 25.8 38.8

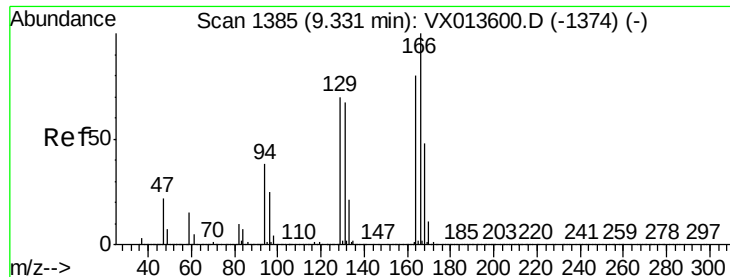


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

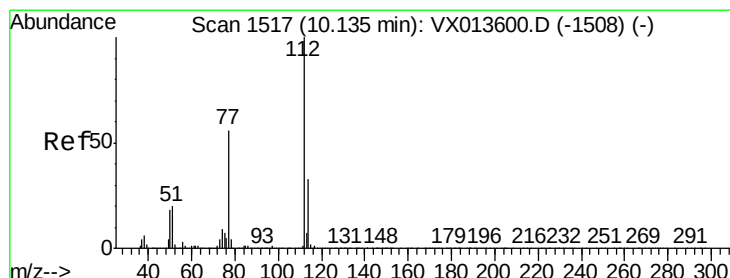
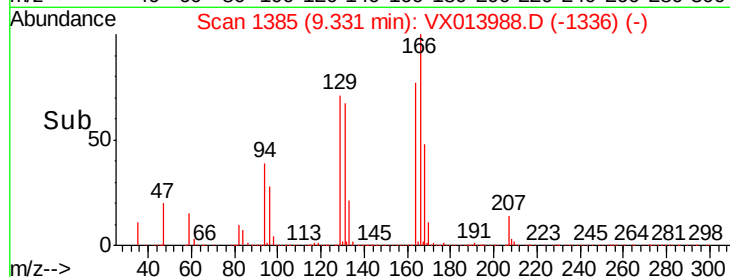
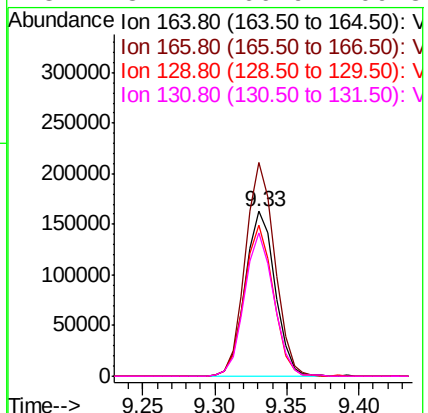
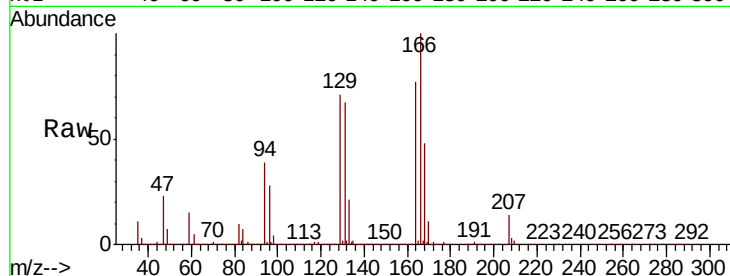




#64
Tetrachloroethene
Concen: 45.418 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

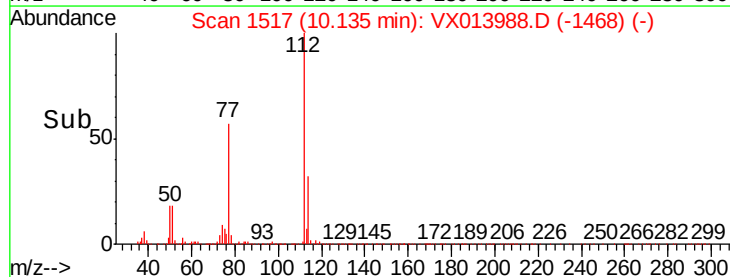
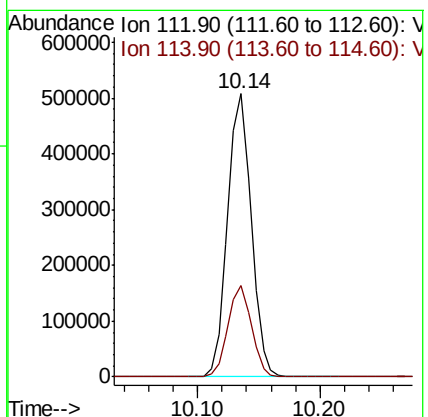
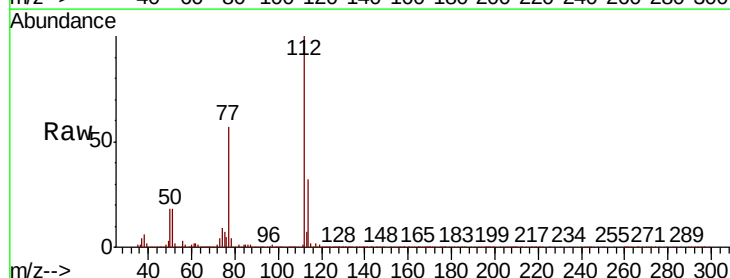
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ187I-20191208MSD

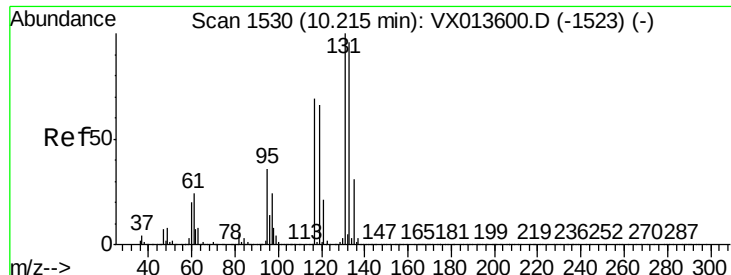
Tot Ion	Ratio	Lower	Upper
164	100		
166	129.7	99.7	149.5
129	92.0	70.1	105.1
131	87.1	66.9	100.3



#65
Chlorobenzene
Concen: 47.309 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	26.1	39.1

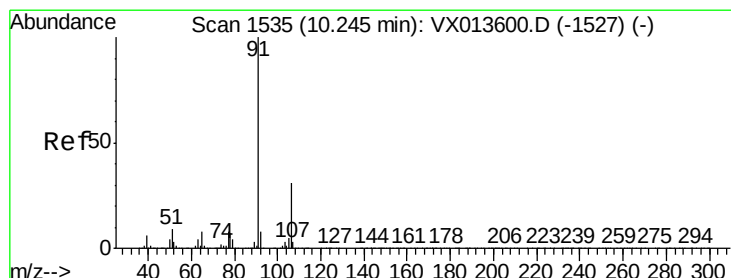
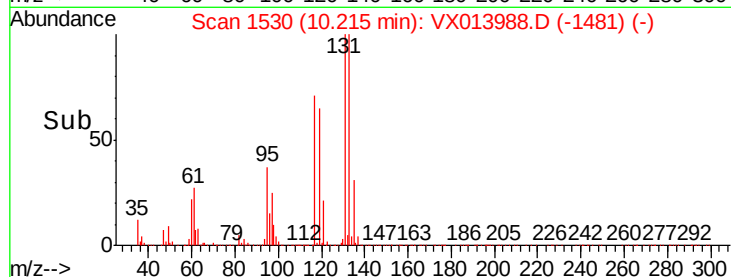
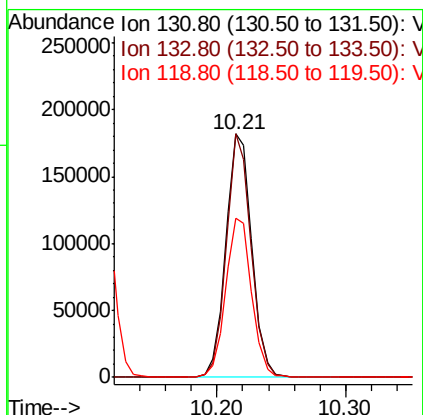
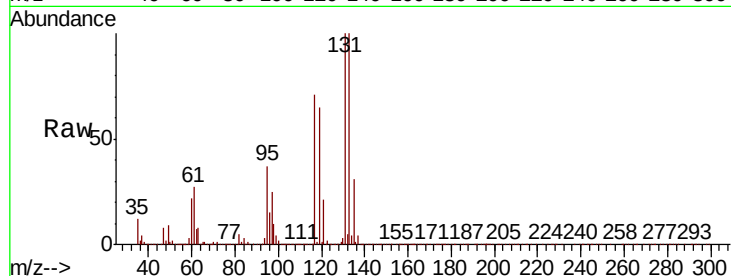




#66
 1,1,1,2-Tetrachloroethane
 Concen: 49.593 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VX013988.D
 Acq: 12 Dec 2019 20:15

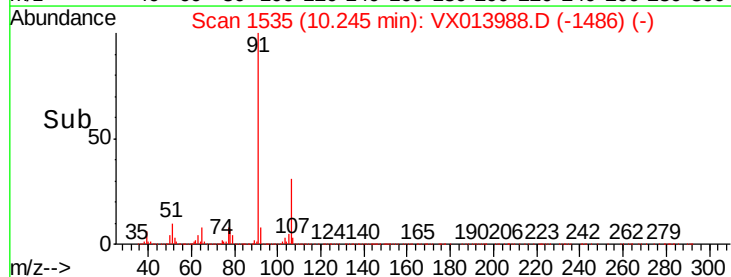
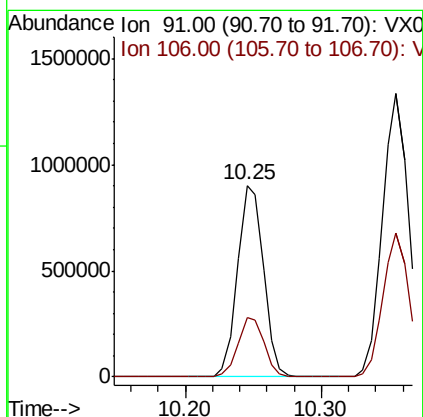
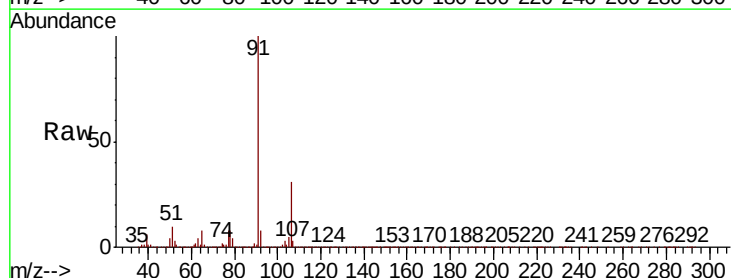
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ187I-20191208MSD

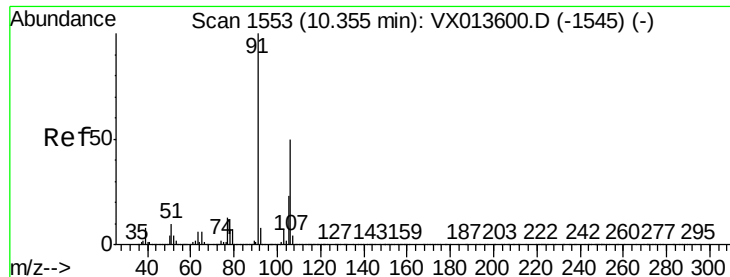
Tot Ion:131 Resp: 256363
 Ion Ratio Lower Upper
 131 100
 133 95.3 47.7 143.1
 119 65.5 32.9 98.6



#67
 Ethyl Benzene
 Concen: 48.527 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VX013988.D
 Acq: 12 Dec 2019 20:15

Tgt Ion: 91 Resp: 1200405
 Ion Ratio Lower Upper
 91 100
 106 30.8 24.5 36.7





#68

m/p-Xylenes

Concen: 96.081 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

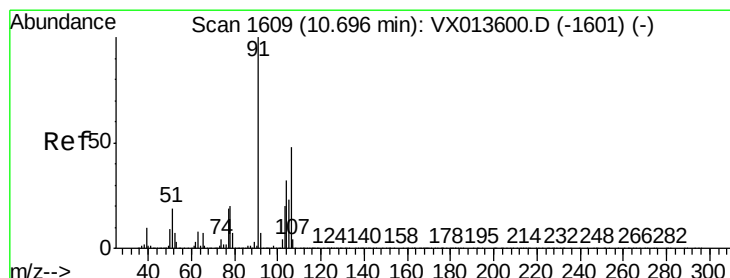
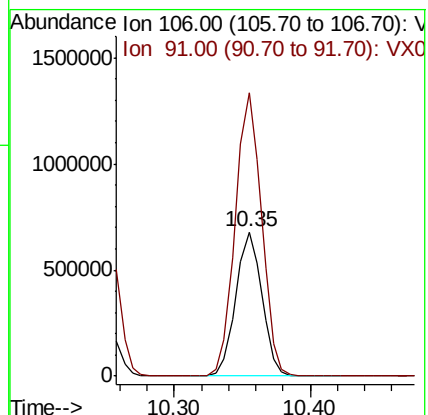
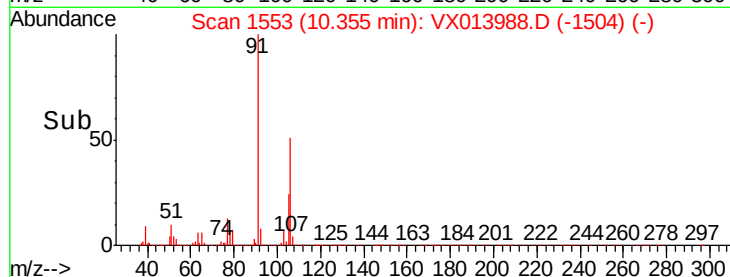
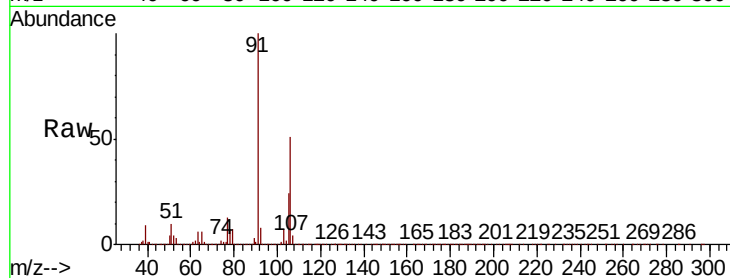
SA-PZ187I-20191208MSD

Tot Ion:106 Resp: 909951

Ion Ratio Lower Upper

106 100

91 197.8 159.0 238.4



#69

o-Xylene

Concen: 48.172 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. -0.00 min

Lab File: VX013988.D

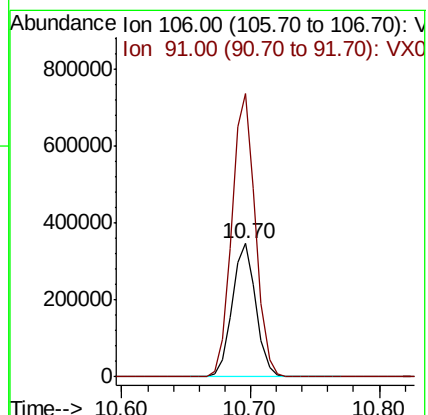
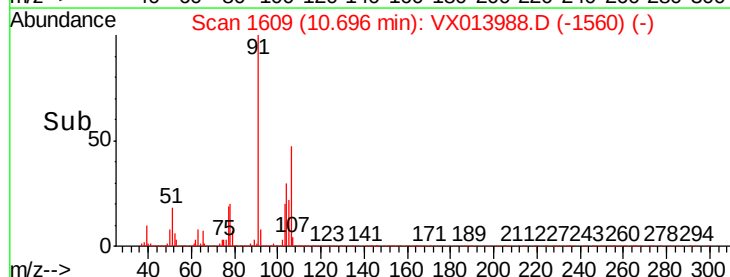
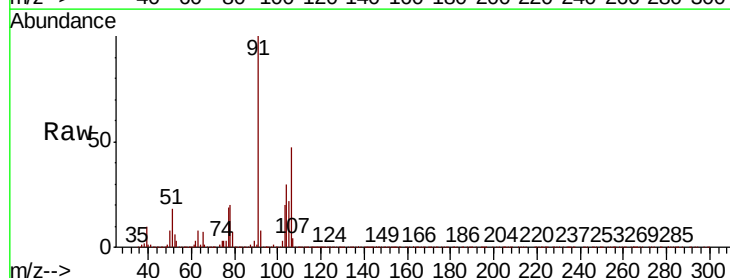
Acq: 12 Dec 2019 20:15

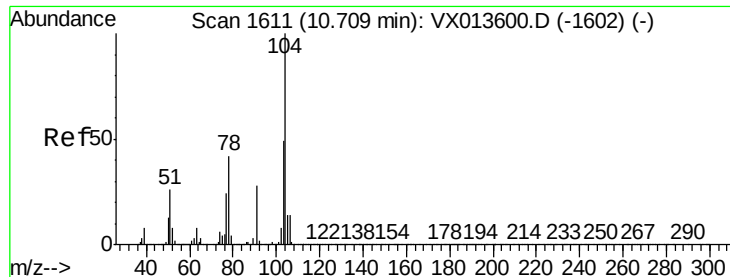
Tgt Ion:106 Resp: 444949

Ion Ratio Lower Upper

106 100

91 211.7 104.1 312.2

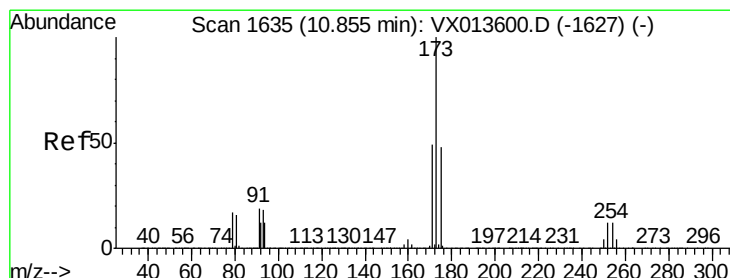
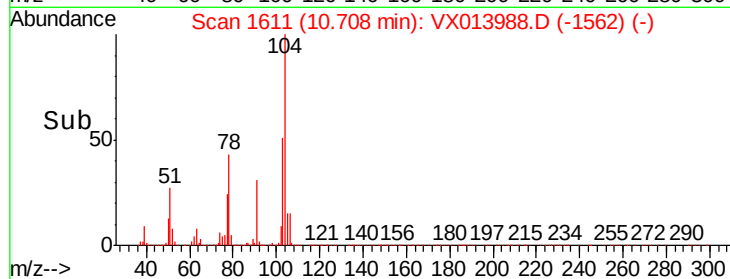
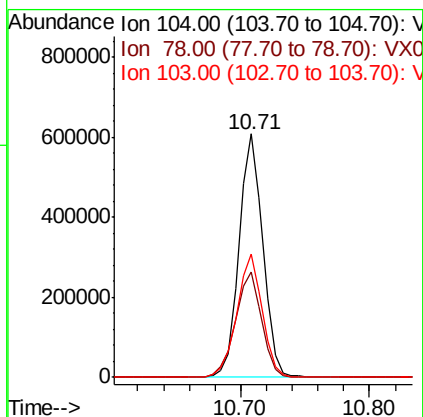
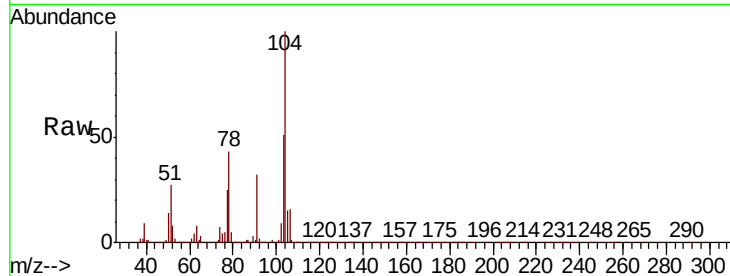




#70
Stvrene
Concen: 49.779 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

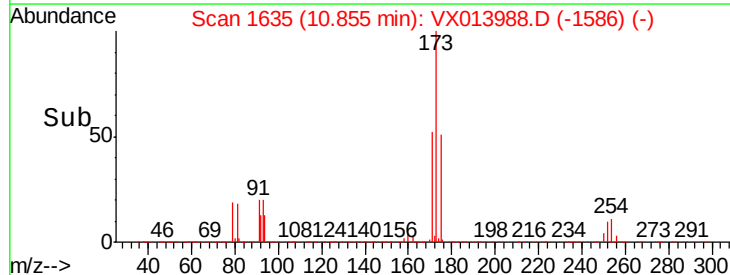
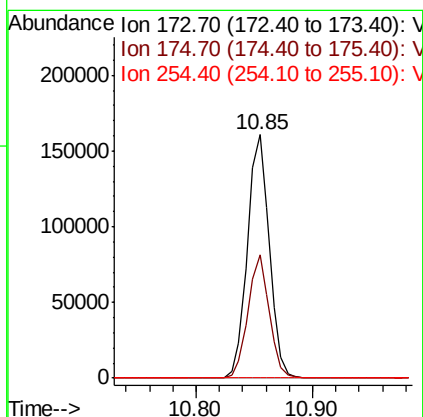
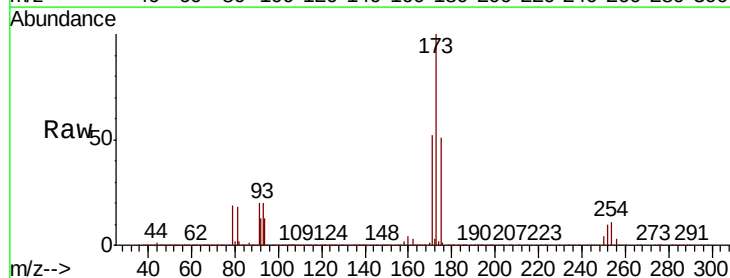
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ1871-20191208MSD

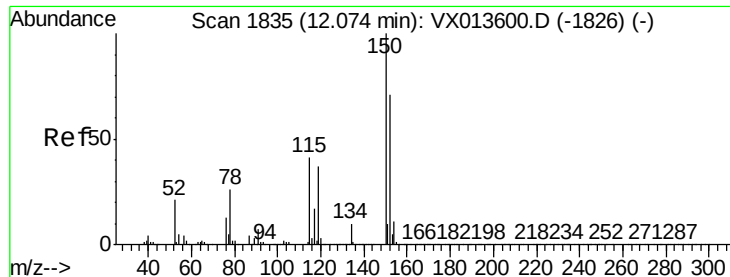
Tot Ion	Ratio	Lower	Upper
104	100		
78	48.1	38.5	57.7
103	54.4	43.7	65.5



#71
Bromoform
Concen: 49.666 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.3	72.8
254	0.1	0.2	0.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ1871-20191208MSD

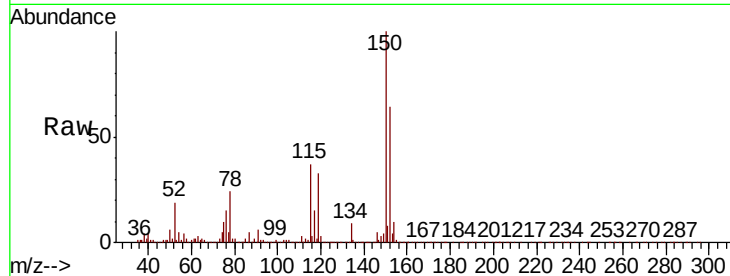
Tot Ion:152 Resp: 354296

Ion Ratio Lower Upper

152 100

115 76.5 38.4 115.1

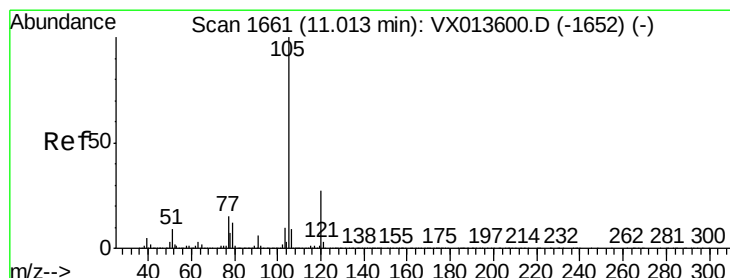
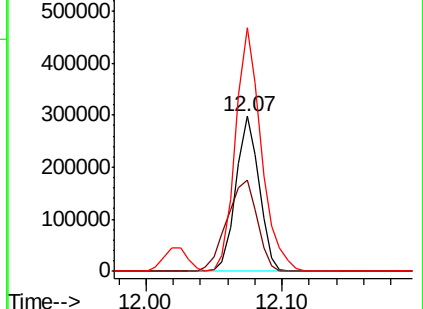
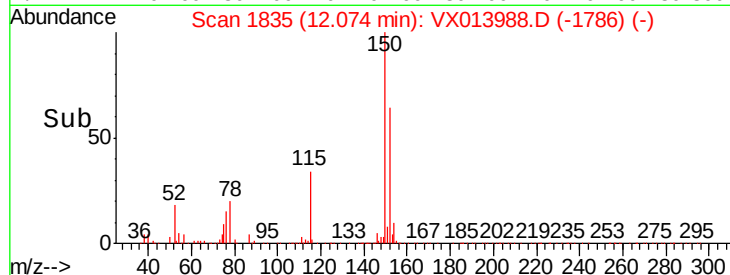
150 172.9 0.0 346.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 48.080 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013988.D

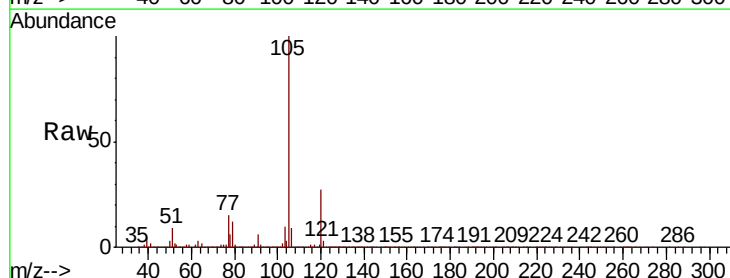
Acq: 12 Dec 2019 20:15

Tgt Ion:105 Resp: 1194899

Ion Ratio Lower Upper

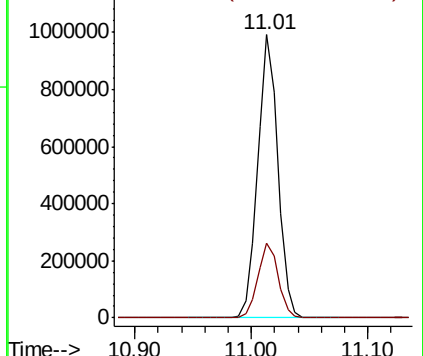
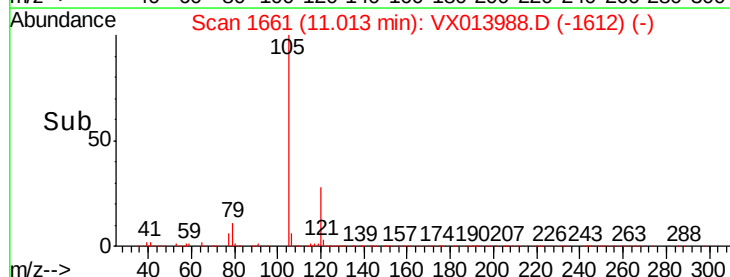
105 100

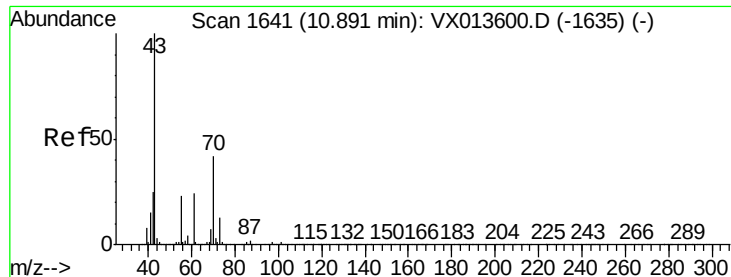
120 26.8 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 47.803 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ1871-20191208MSD

Tot Ion: 43 Resp: 544224

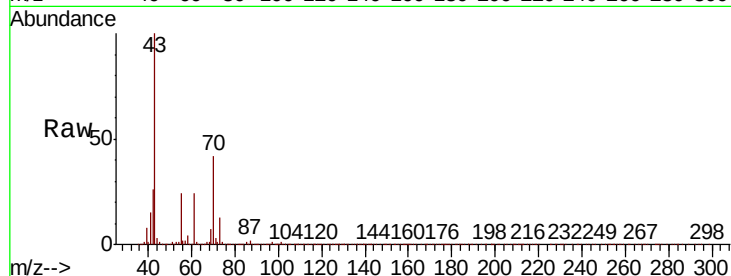
Ion Ratio Lower Upper

43 100

70 43.1 34.3 51.5

55 24.5 18.5 27.7

61 24.5 19.8 29.8

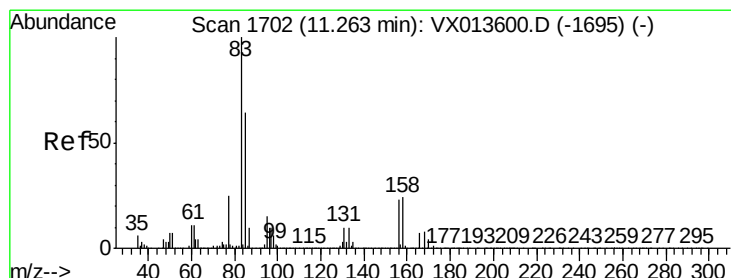
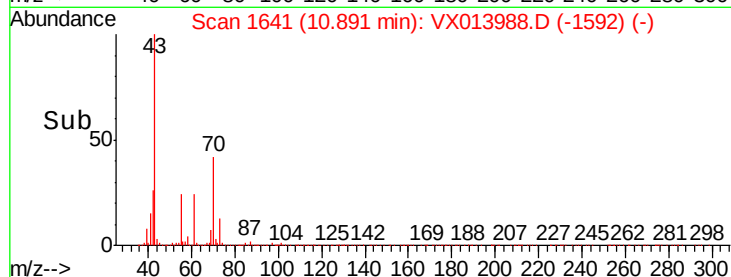
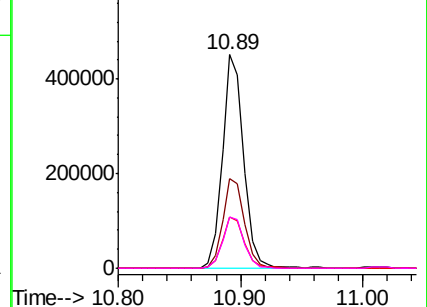


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 51.115 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

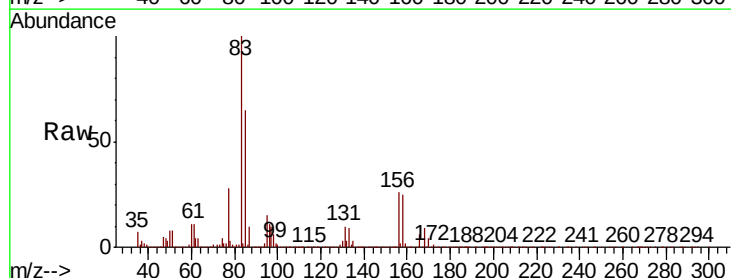
Tgt Ion: 83 Resp: 440546

Ion Ratio Lower Upper

83 100

131 9.9 5.1 15.3

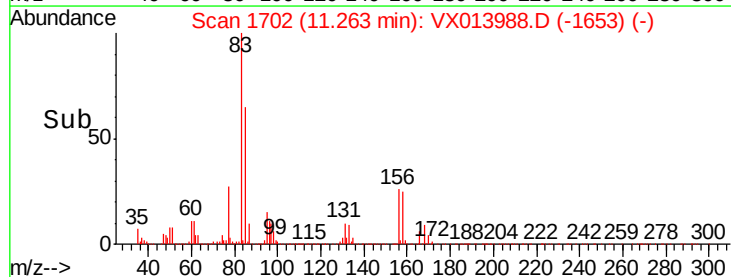
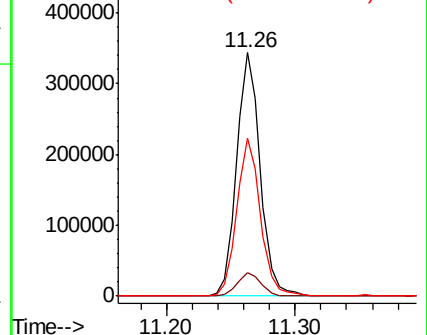
85 64.9 31.8 95.3

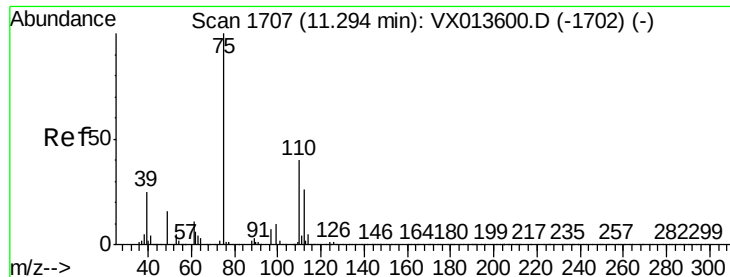


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

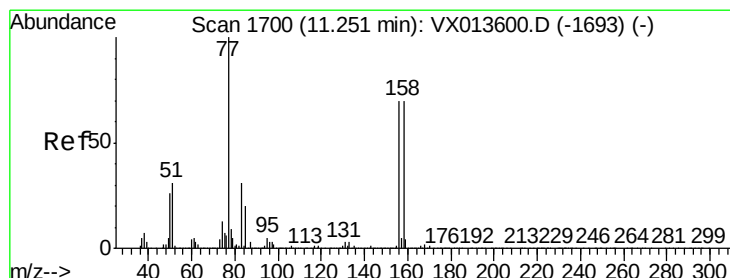
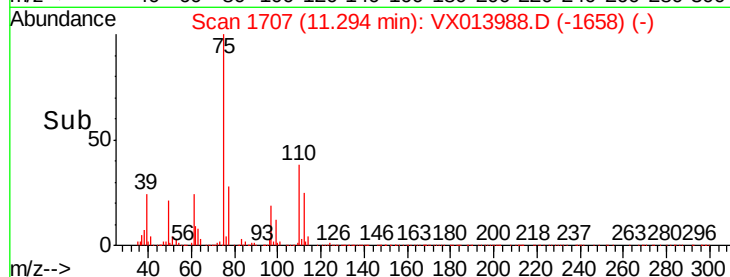
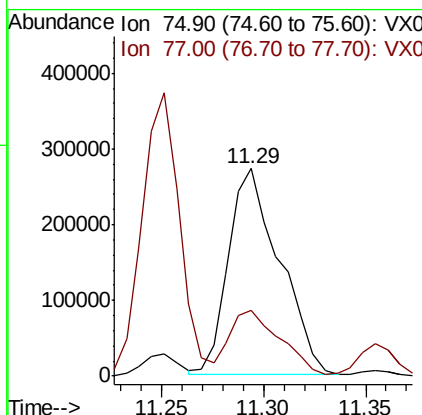
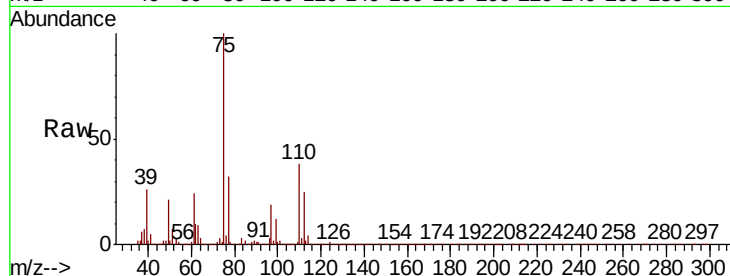




#76
1,2,3-Trichloropropane
Concen: 59.297 ug/l
RT: 11.29 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

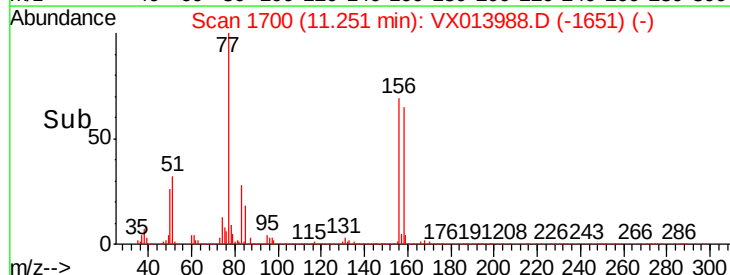
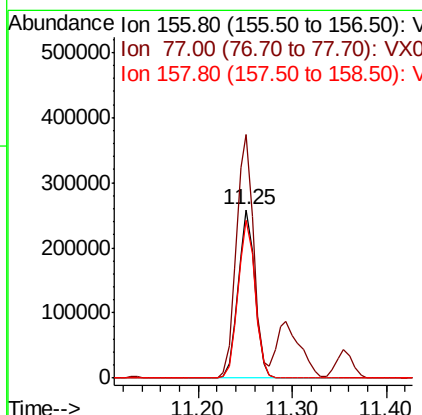
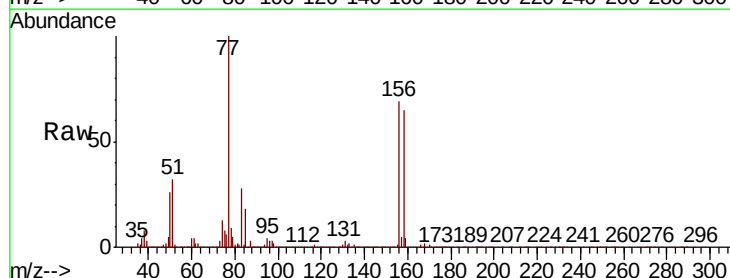
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ187I-20191208MSD

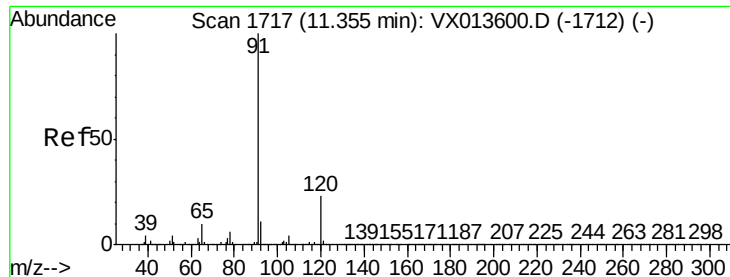
Tot Ion: 75 Resp: 472525
Ion Ratio Lower Upper
75 100
77 31.6 19.1 57.5



#77
Bromobenzene
Concen: 47.322 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Tgt Ion: 156 Resp: 317716
Ion Ratio Lower Upper
156 100
77 150.5 74.4 223.1
158 96.1 48.9 146.6





#78

n-propylbenzene

Concen: 47.902 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

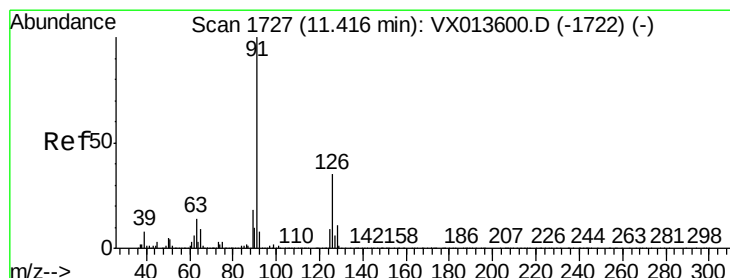
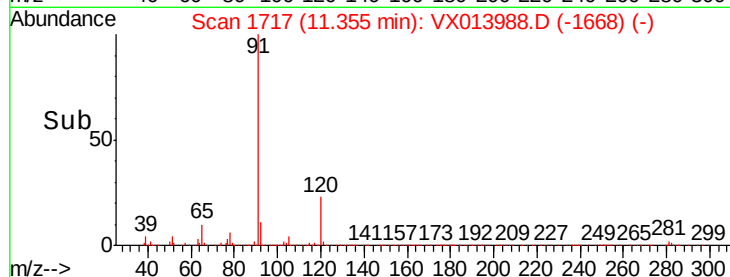
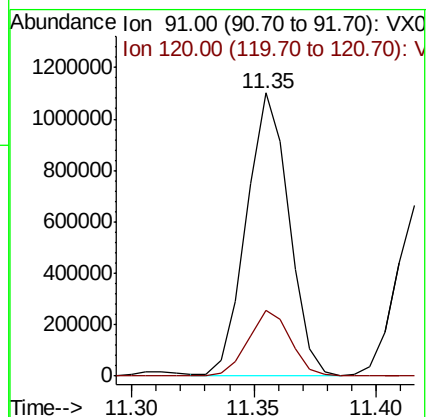
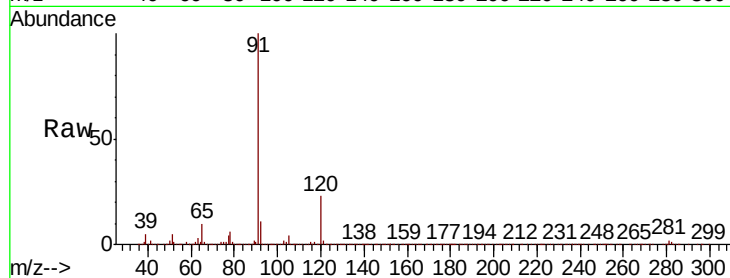
SA-PZ187I-20191208MSD

Tot Ion: 91 Resp: 1328950

Ion Ratio Lower Upper

91 100

120 23.3 11.8 35.3



#79

2-Chlorotoluene

Concen: 48.395 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013988.D

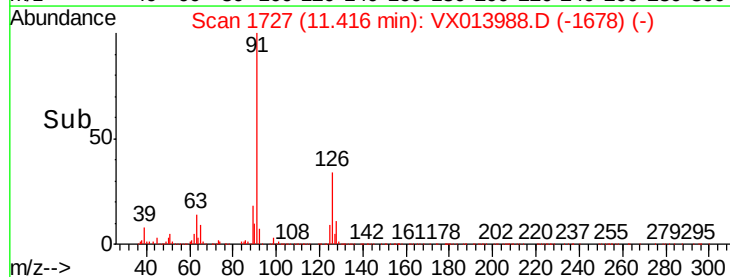
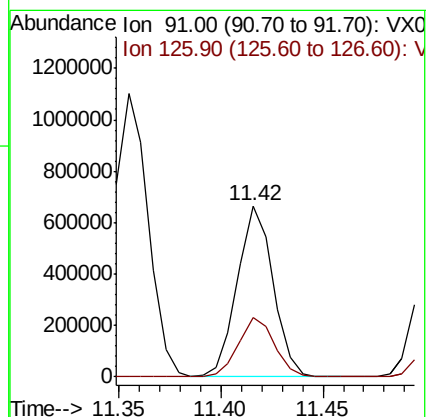
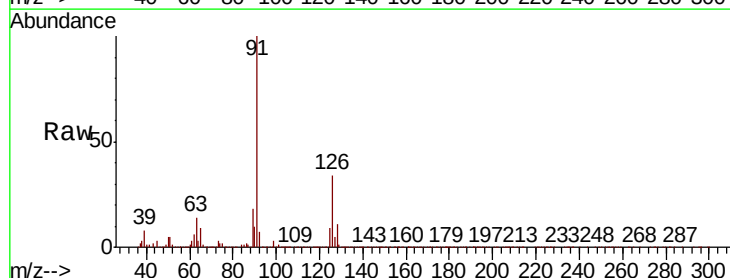
Acq: 12 Dec 2019 20:15

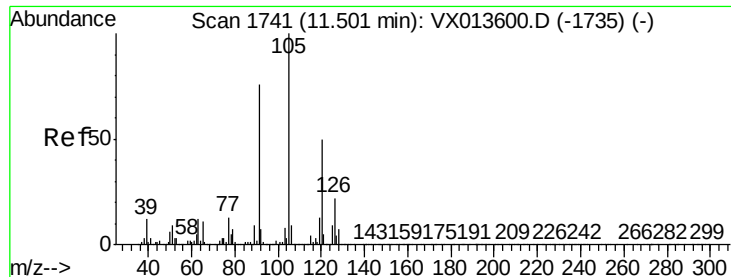
Tgt Ion: 91 Resp: 805394

Ion Ratio Lower Upper

91 100

126 35.1 17.5 52.5

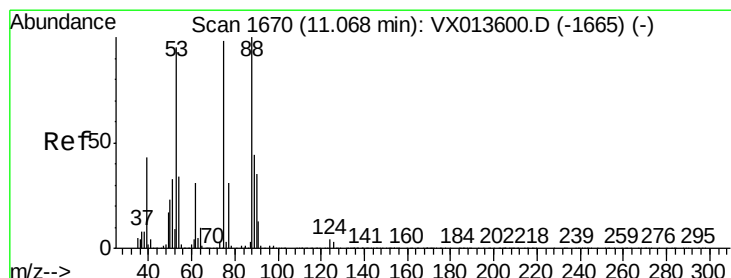
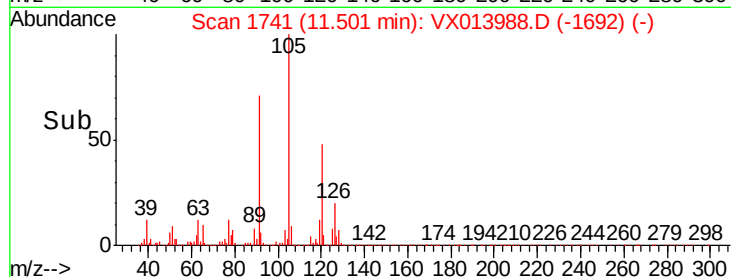
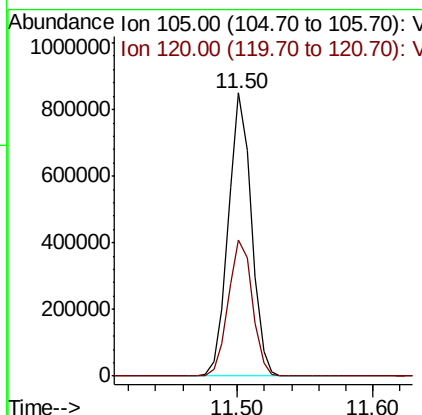
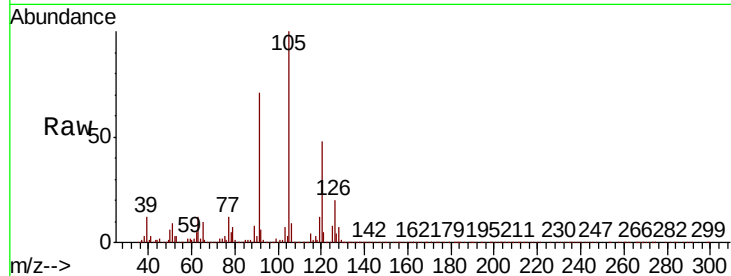




#80
 1,3,5-Trimethylbenzene
 Concen: 49.044 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX013988.D
 Acq: 12 Dec 2019 20:15

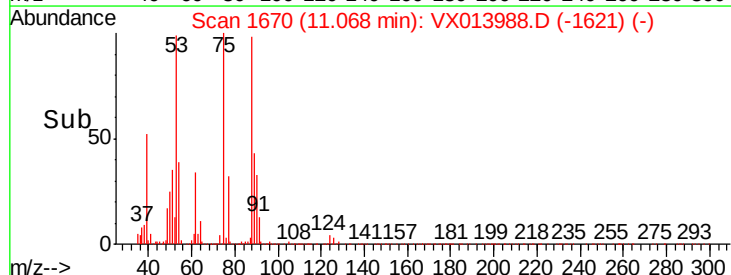
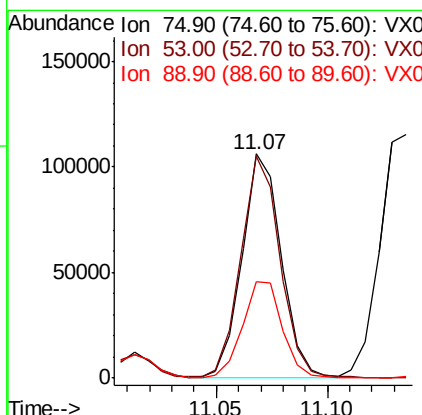
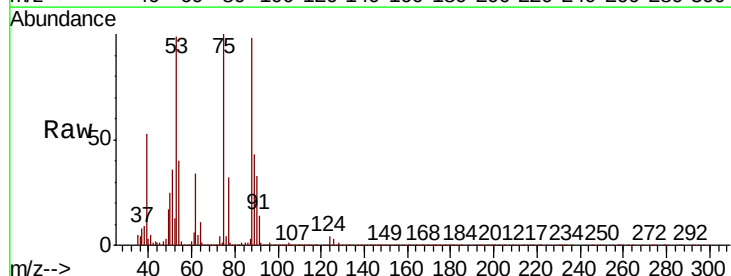
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ187I-20191208MSD

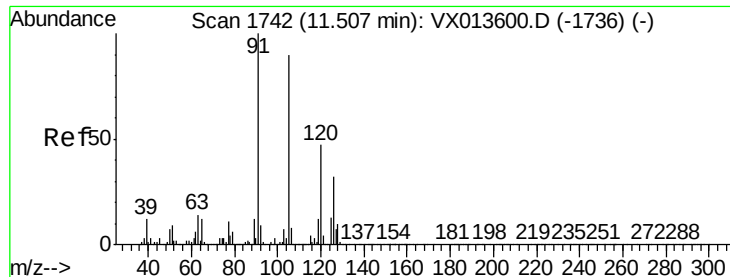
Tot Ion:105 Resp: 998961
 Ion Ratio Lower Upper
 105 100
 120 50.0 25.3 75.9



#81
 trans-1,4-Dichloro-2-butene
 Concen: 44.856 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. -0.00 min
 Lab File: VX013988.D
 Acq: 12 Dec 2019 20:15

Tgt Ion: 75 Resp: 130653
 Ion Ratio Lower Upper
 75 100
 53 98.2 78.2 117.2
 89 43.7 35.4 53.2





#82

4-Chlorotoluene

Concen: 47.959 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

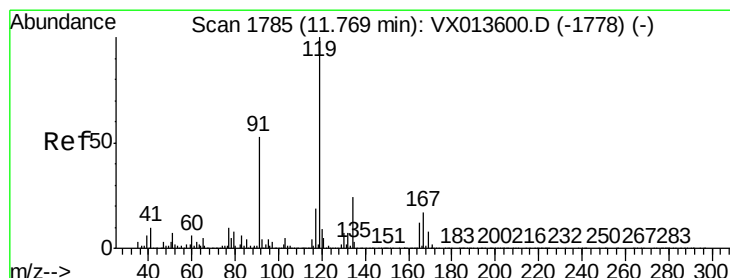
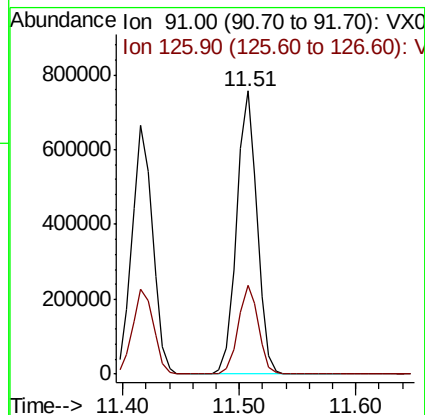
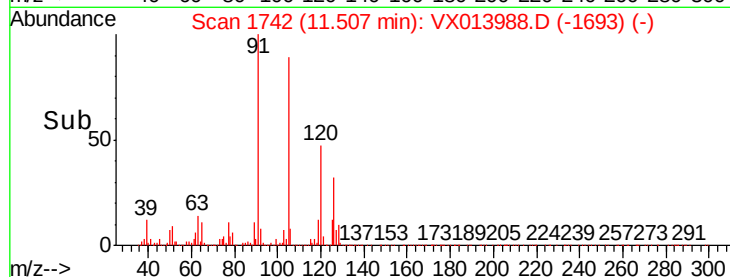
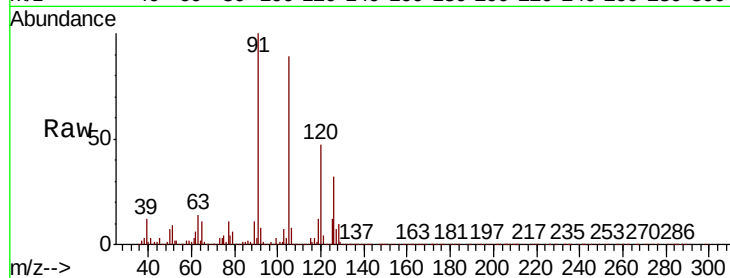
SA-PZ1871-20191208MSD

Tot Ion: 91 Resp: 924437

Ion Ratio Lower Upper

91 100

126 30.8 15.7 47.0



#83

tert-Butylbenzene

Concen: 49.251 ug/l

RT: 11.77 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

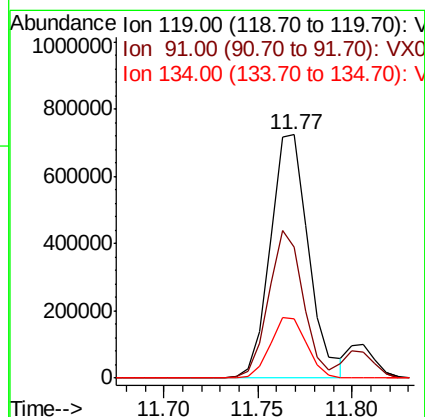
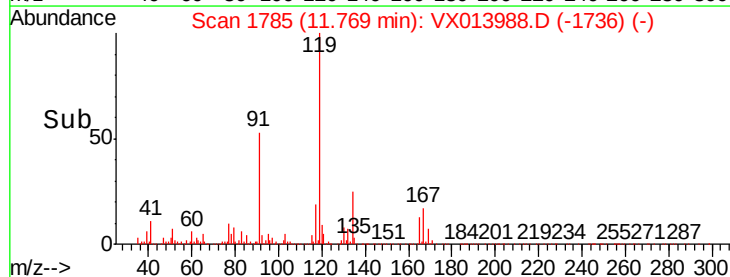
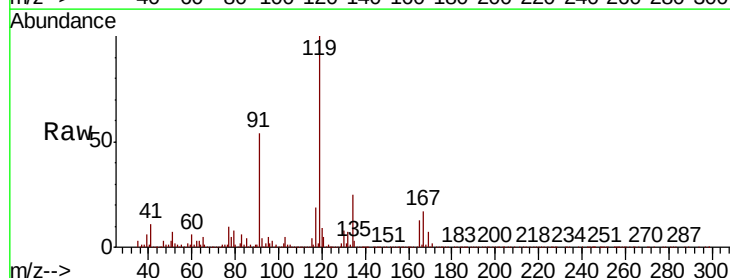
Tgt Ion: 119 Resp: 1019539

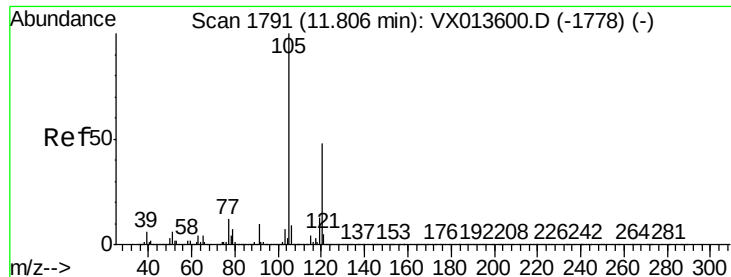
Ion Ratio Lower Upper

119 100

91 54.5 27.2 81.6

134 23.9 11.7 35.1

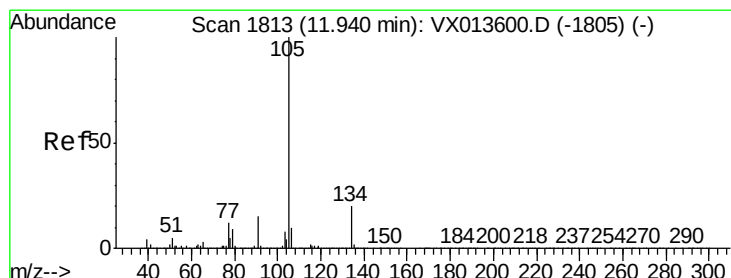
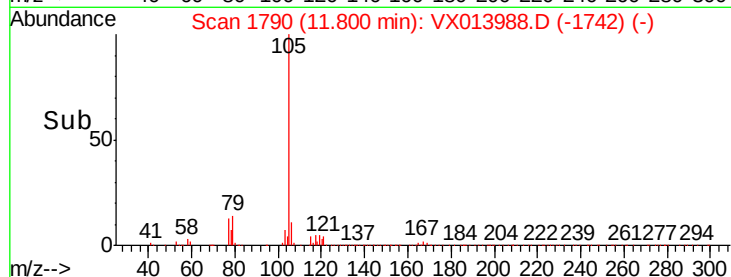
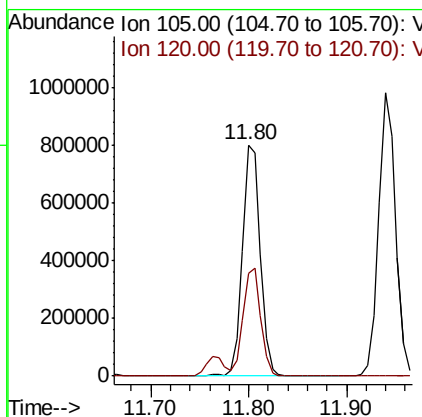
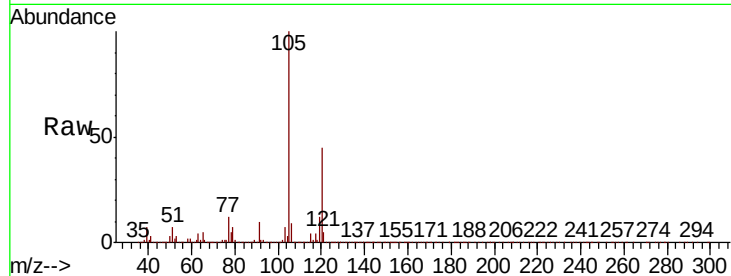




#84
 1,2,4-Trimethylbenzene
 Concen: 48.820 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX013988.D
 Acq: 12 Dec 2019 20:15

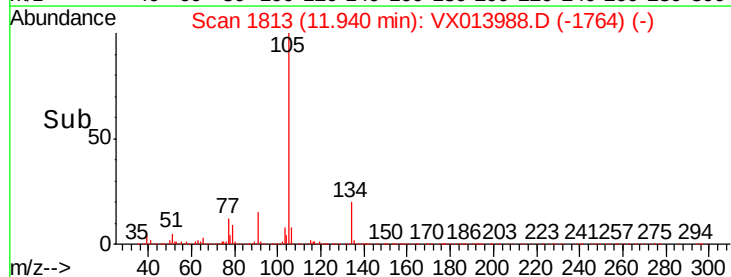
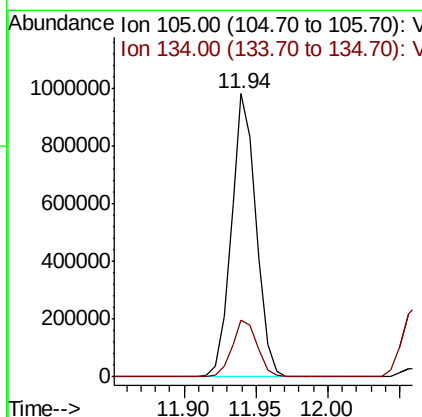
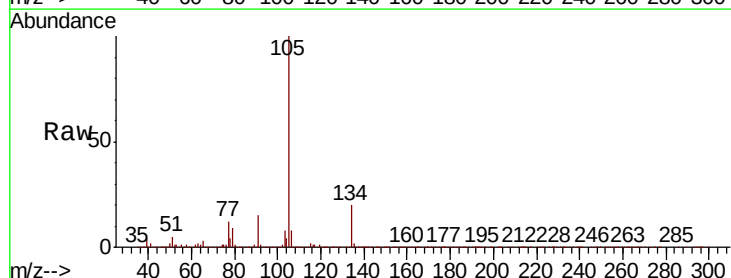
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ187I-20191208MSD

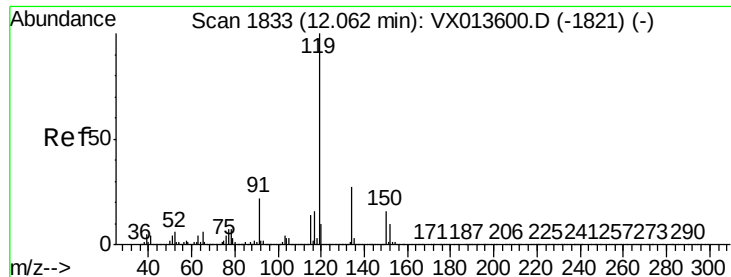
Tot Ion:105 Resp: 1009219
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.1 69.3



#85
 sec-Butylbenzene
 Concen: 49.582 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX013988.D
 Acq: 12 Dec 2019 20:15

Tgt Ion:105 Resp: 1172353
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.4 31.2





#86

p-Isopropyltoluene

Concen: 48.047 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ187I-20191208MSD

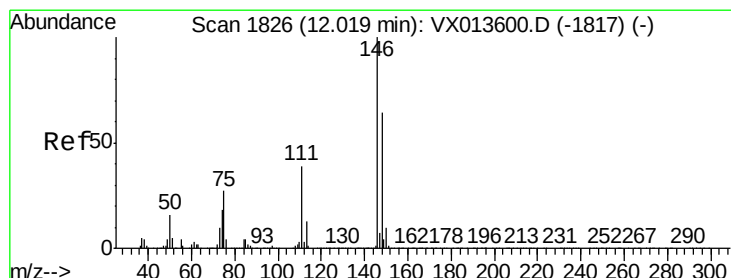
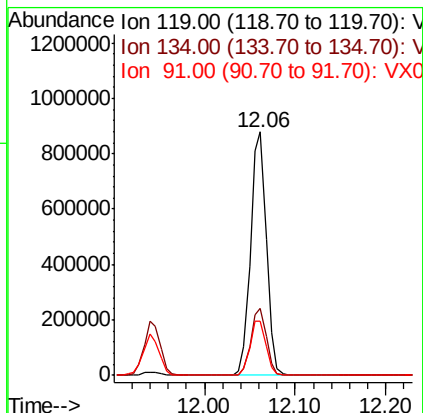
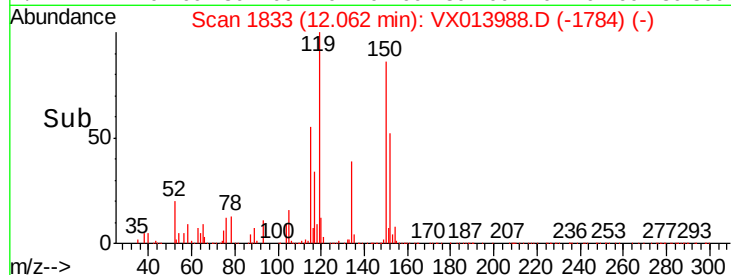
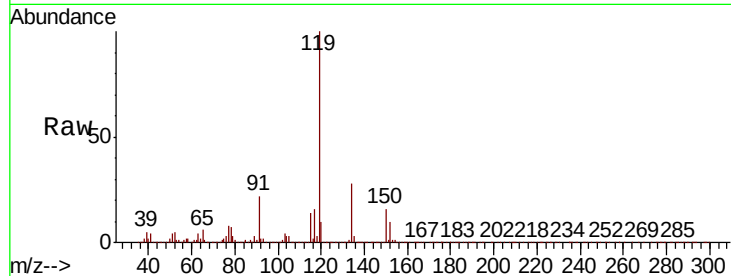
Tot Ion:119 Resp: 1056879

Ion Ratio Lower Upper

119 100

134 27.1 13.3 39.9

91 22.8 11.3 33.8



#87

1,3-Dichlorobenzene

Concen: 47.175 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

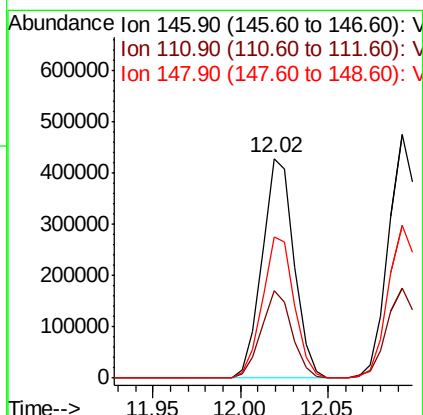
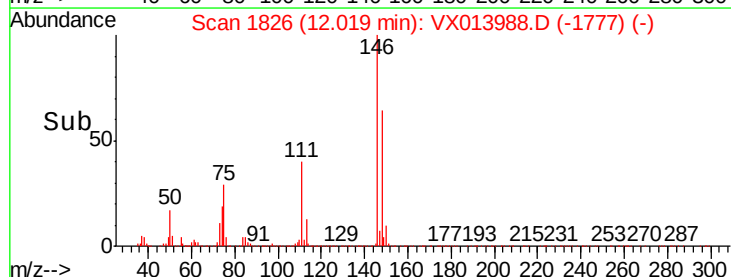
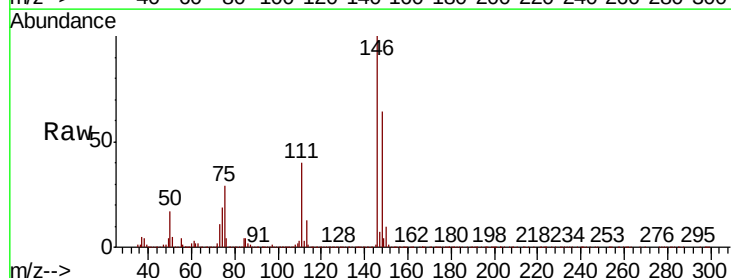
Tgt Ion:146 Resp: 552117

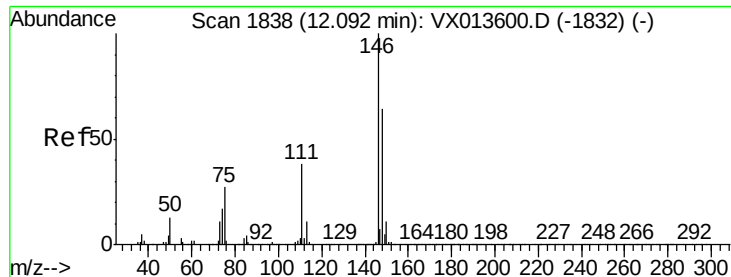
Ion Ratio Lower Upper

146 100

111 38.4 19.0 57.0

148 64.1 31.8 95.4





#88

1,4-Dichlorobenzene

Concen: 47.489 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ187I-20191208MSD

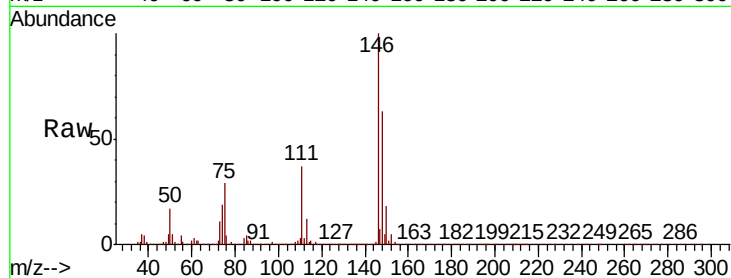
Tot Ion:146 Resp: 566104

Ion Ratio Lower Upper

146 100

111 37.4 18.9 56.9

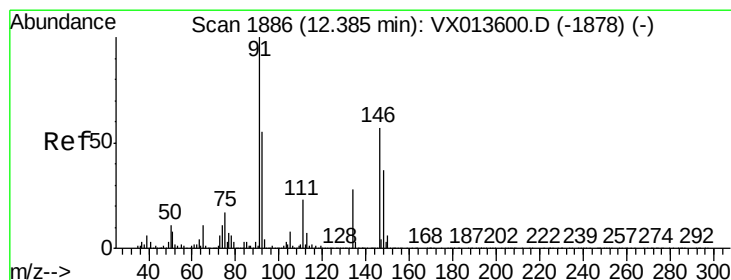
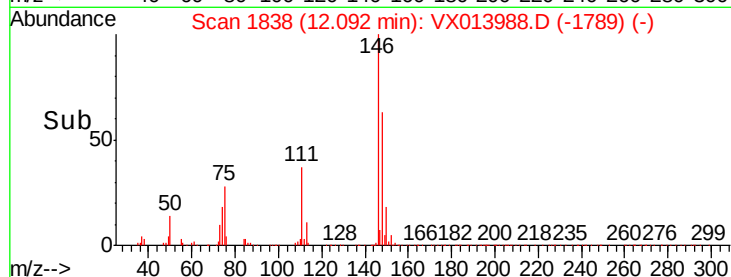
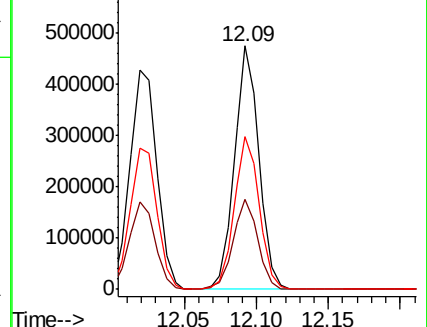
148 64.0 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 47.248 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

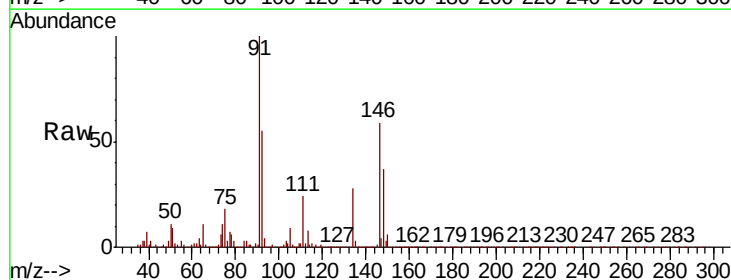
Tgt Ion: 91 Resp: 886419

Ion Ratio Lower Upper

91 100

92 54.6 27.4 82.2

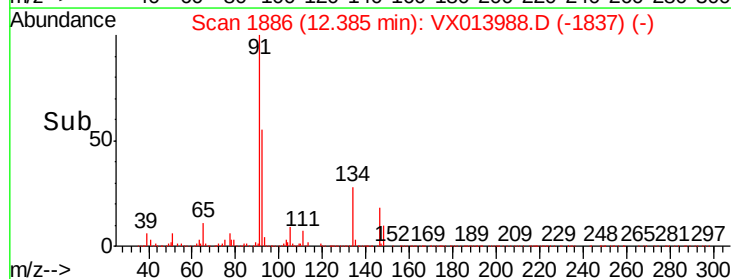
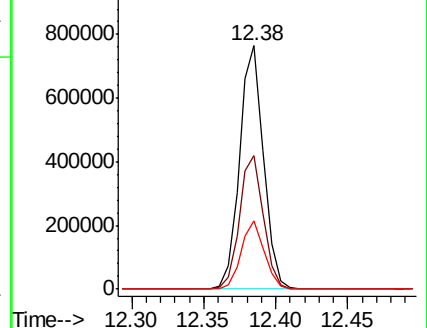
134 27.2 13.5 40.4

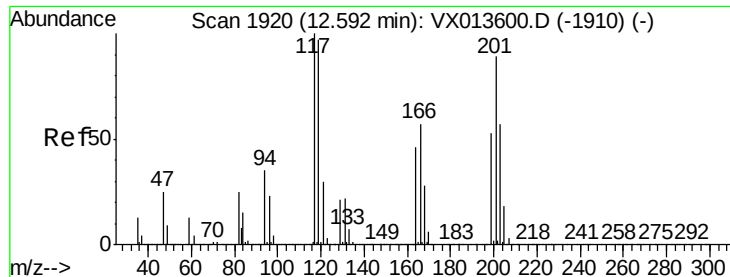


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 48.053 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

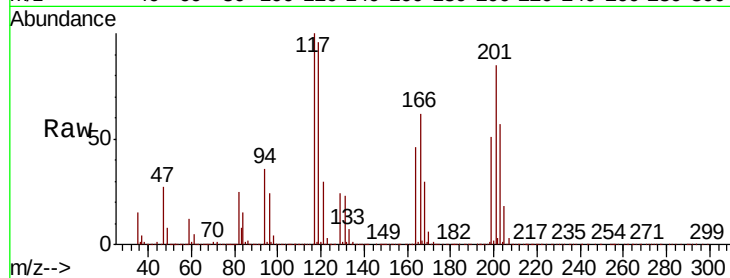
SA-PZ1871-20191208MSD

Tot Ion:117 Resp: 191057

Ion Ratio Lower Upper

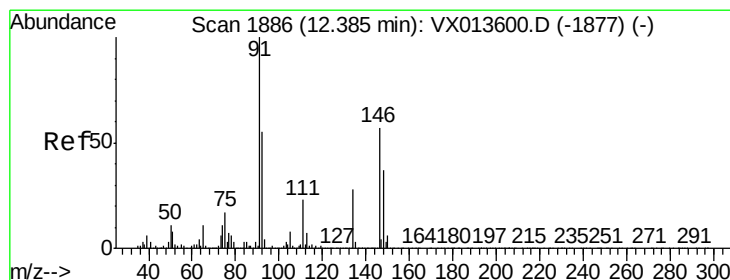
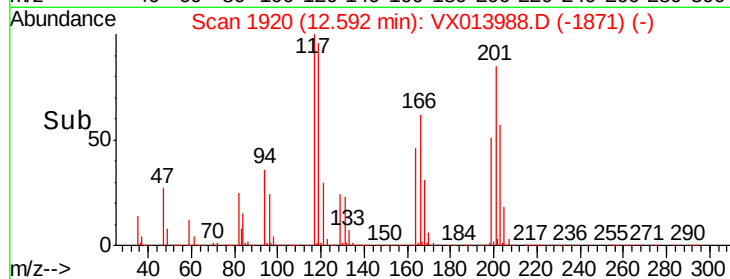
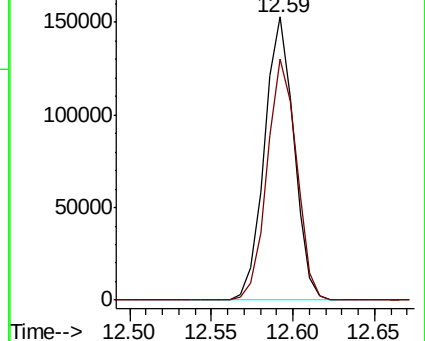
117 100

201 85.6 44.1 132.4



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 49.237 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

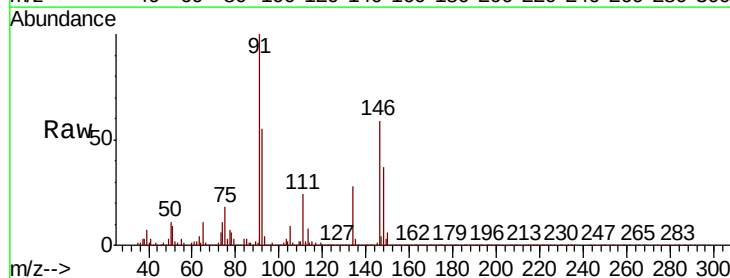
Tgt Ion:146 Resp: 569360

Ion Ratio Lower Upper

146 100

111 40.4 19.6 58.7

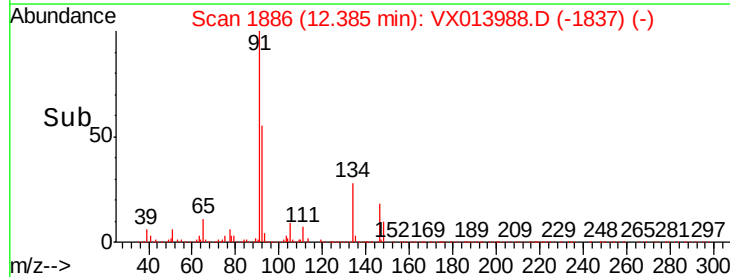
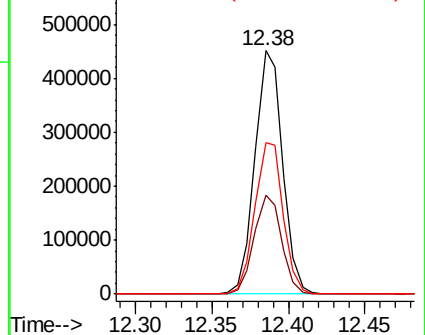
148 63.8 31.9 95.7

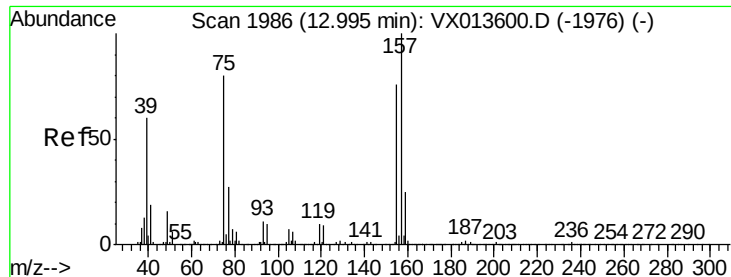


Abundance Ion 145.90 (145.60 to 146.60): V

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: 46.735 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

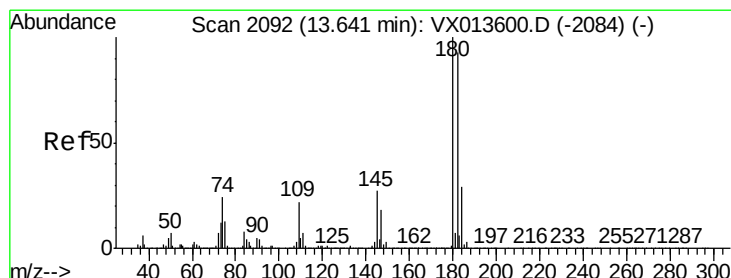
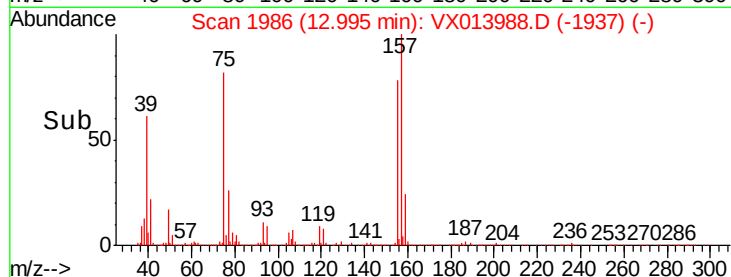
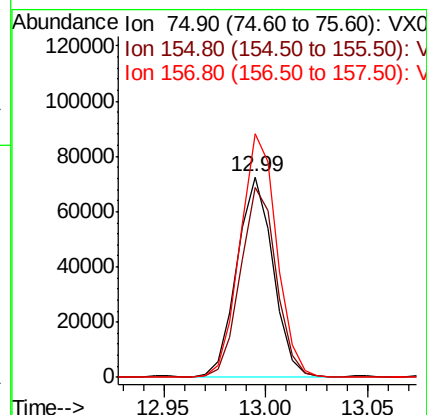
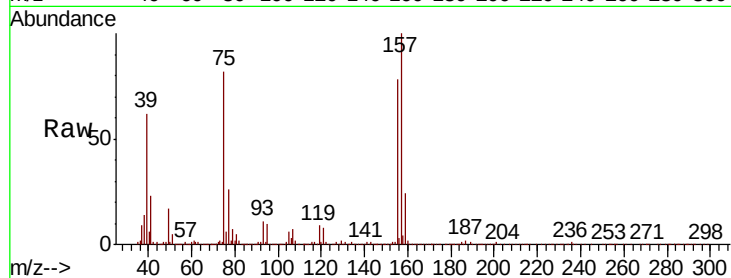
MSVOA_X

ClientSampleId :

SA-PZ1871-20191208MSD

Tot Ion: 75 Resp: 87715

Ion	Ratio	Lower	Upper
75	100		
155	95.6	47.6	142.8
157	125.8	62.1	186.2



#93

1,2,4-Trichlorobenzene

Concen: 45.920 ug/l

RT: 13.64 min Scan# 2092

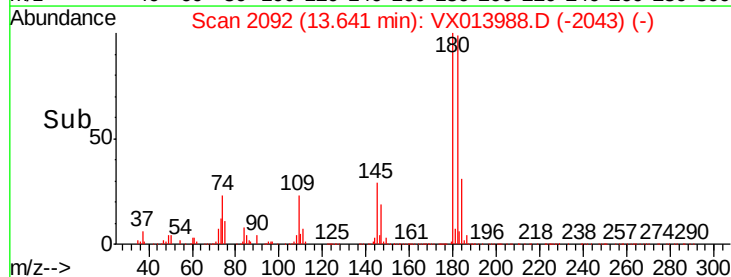
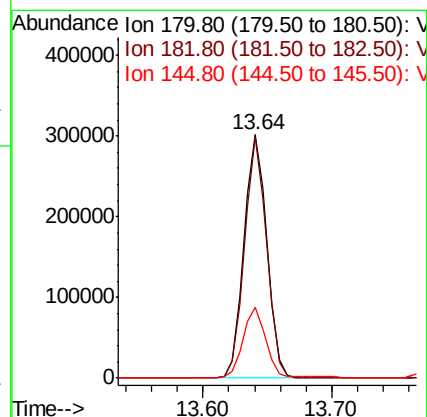
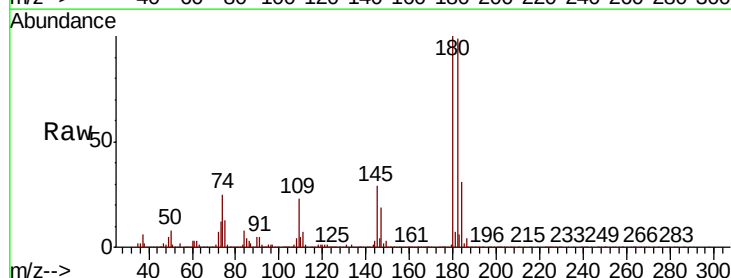
Delta R.T. -0.00 min

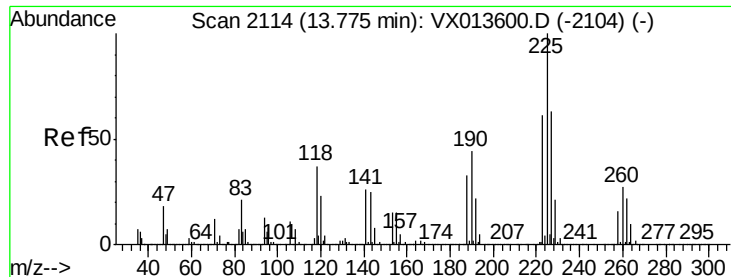
Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Tgt Ion: 180 Resp: 370071

Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.2	141.6
145	30.0	13.8	41.4





#94

Hexachlorobutadiene

Concen: 44.841 ug/l

RT: 13.77 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ1871-20191208MSD

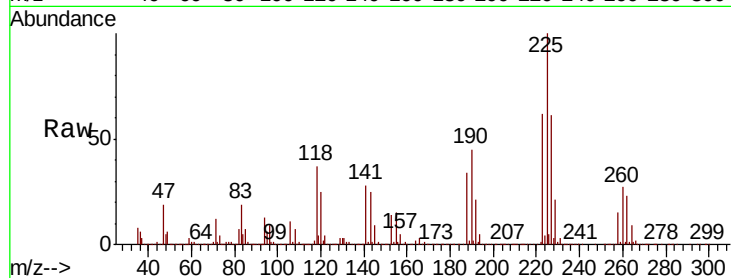
Tot Ion:225 Resp: 173596

Ion Ratio Lower Upper

225 100

223 62.7 31.9 95.5

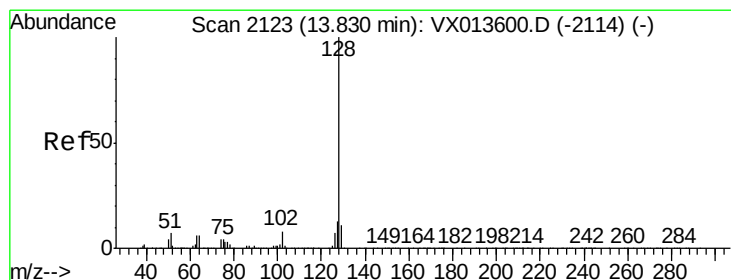
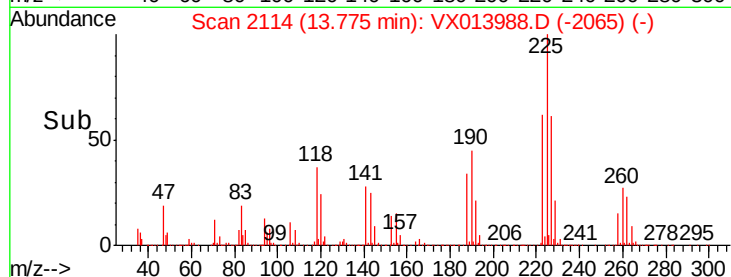
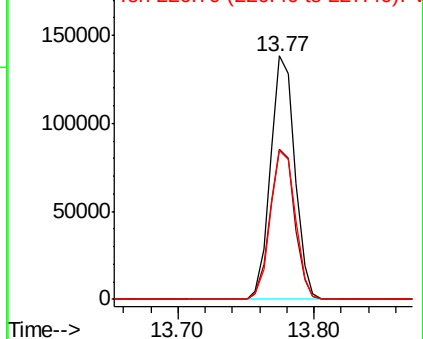
227 62.9 32.1 96.3



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: 46.748 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

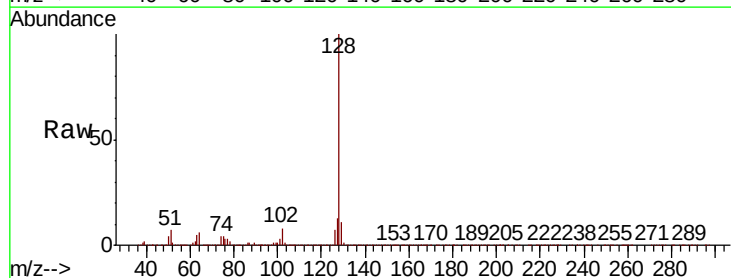
Tgt Ion:128 Resp: 1121957

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

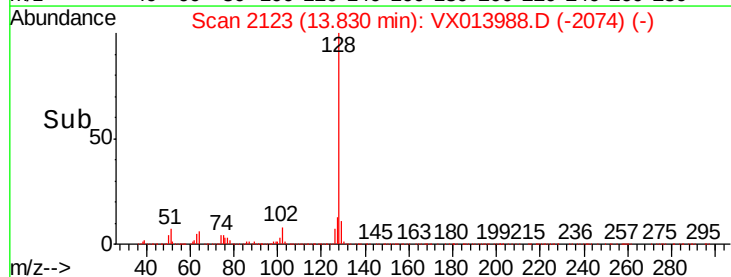
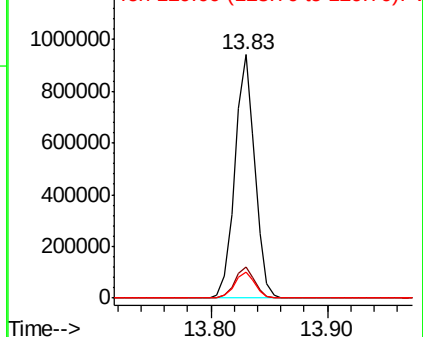
129 10.9 8.7 13.1

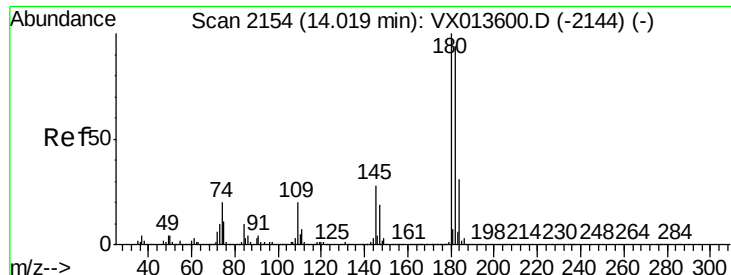


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 47.231 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.01 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ187I-20191208MSD

Tot Ion:180 Resp: 376874

Ion Ratio Lower Upper

180 100

182 96.0 47.6 142.8

145 31.0 15.0 45.0

