

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100919\
 Data File : VX012979.D
 Acq On : 10 Oct 2019 06:29
 Operator : JC/SP
 Sample : K5260-05MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW0010MSD

Quant Time: Oct 10 06:54:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	158817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	280639	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	250667	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	116026	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	105441	53.12	ug/l	0.00
Spiked Amount			Recovery	=	106.24%	
35) Dibromofluoromethane	5.48	113	83635	51.92	ug/l	0.00
Spiked Amount			Recovery	=	103.84%	
50) Toluene-d8	8.71	98	316337	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
62) 4-Bromofluorobenzene	11.14	95	120964	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	81006	50.039	ug/l	99
3) Chloromethane	1.32	50	93404	53.016	ug/l	98
4) Vinyl Chloride	1.40	62	94825	52.146	ug/l	99
5) Bromomethane	1.63	94	38183	50.512	ug/l	100
6) Chloroethane	1.71	64	60667	54.583	ug/l	100
7) Trichlorofluoromethane	1.92	101	133035	54.203	ug/l	98
8) Diethyl Ether	2.18	74	54260	54.770	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	78102	49.168	ug/l	99
10) Methyl Iodide	2.50	142	96395	53.203	ug/l	99
11) Tert butyl alcohol	3.03	59	139543	265.186	ug/l	99
12) 1,1-Dichloroethene	2.36	96	85750	53.429	ug/l	95
13) Acrolein	2.28	56	83330	222.835	ug/l	99
14) Allyl chloride	2.72	41	150110	52.520	ug/l	98
15) Acrylonitrile	3.13	53	281319	282.108	ug/l	99
16) Acetone	2.44	43	252907	241.716	ug/l	99
17) Carbon Disulfide	2.56	76	230517	50.372	ug/l	100
18) Methyl Acetate	2.76	43	121628	49.043	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	311053	56.123	ug/l	99
20) Methylene Chloride	2.84	84	98416	51.181	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	92463	53.752	ug/l	99
22) Diisopropyl ether	3.84	45	303028	55.330	ug/l	94
23) Vinyl Acetate	3.80	43	1209250	255.768	ug/l	98
24) 1,1-Dichloroethane	3.69	63	168368	54.646	ug/l	99
25) 2-Butanone	4.66	43	387621	267.031	ug/l	99
26) 2,2-Dichloropropane	4.58	77	93976	36.271	ug/l	96
27) cis-1,2-Dichloroethene	4.58	96	107749	54.341	ug/l	97
28) Bromochloromethane	5.00	49	51638	56.135	ug/l	99
29) Tetrahydrofuran	5.12	42	251684	281.758	ug/l	99
30) Chloroform	5.20	83	171969	54.396	ug/l	99
31) Cyclohexane	5.57	56	147243	51.108	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	149990	55.993	ug/l	99
36) 1,1-Dichloropropene	5.79	75	127145	51.530	ug/l	99
37) Ethyl Acetate	4.82	43	137350	49.782	ug/l	100
38) Carbon Tetrachloride	5.78	117	127219	52.972	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	141982	47.449	ug/l	98
40) Benzene	6.14	78	387865	53.223	ug/l	98
41) Methacrylonitrile	5.03	41	80635	53.188	ug/l	99
42) 1,2-Dichloroethane	6.19	62	138200	52.850	ug/l	99
43) Isopropyl Acetate	6.43	43	224919	50.791	ug/l	100
44) Trichloroethene	7.20	130	102442	50.693	ug/l	95
45) 1,2-Dichloropropane	7.51	63	98868	53.231	ug/l	99
46) Dibromomethane	7.65	93	67427	54.488	ug/l	99
47) Bromodichloromethane	7.89	83	133226	55.168	ug/l	97
48) Methyl methacrylate	7.76	41	114749	53.175	ug/l	99
49) 1,4-Dioxane	7.73	88	59560	1027.488	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	747881	270.878	ug/l	100
52) Toluene	8.78	92	244885	52.526	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	137835	45.920	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	150085	50.531	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	99561	53.961	ug/l	97
56) Ethyl methacrylate	9.17	69	160500	48.631	ug/l	100
57) 1,3-Dichloropropane	9.37	76	169341	53.059	ug/l	100
59) 2-Hexanone	9.48	43	582317	270.943	ug/l	100
60) Dibromochloromethane	9.57	129	99378	48.461	ug/l	100
61) 1,2-Dibromoethane	9.67	107	104144	53.658	ug/l	100
64) Tetrachloroethene	9.33	164	93407	53.725	ug/l	94
65) Chlorobenzene	10.14	112	255642	51.356	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	94207	54.583	ug/l	98
67) Ethyl Benzene	10.25	91	461703	52.216	ug/l	98
68) m/p-Xylenes	10.35	106	348792	105.591	ug/l	100
69) o-Xylene	10.70	106	171873	53.356	ug/l	99
70) Styrene	10.71	104	295814	54.018	ug/l	100
71) Bromoform	10.85	173	69047	47.151	ug/l	99
73) Isopropylbenzene	11.01	105	451179	52.890	ug/l	100
74) N-amyl acetate	10.89	43	188272	51.246	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	157293	55.439	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	175194	68.078	ug/l	76
77) Bromobenzene	11.25	156	105376	52.421	ug/l	96
78) n-propylbenzene	11.35	91	493559	52.581	ug/l	98
79) 2-Chlorotoluene	11.42	91	307278	52.088	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	368214	51.694	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	43514	44.013	ug/l	98
82) 4-Chlorotoluene	11.51	91	361273	53.430	ug/l	100
83) tert-Butylbenzene	11.76	119	358088	51.536	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	384110	53.246	ug/l	99
85) sec-Butylbenzene	11.94	105	425840	52.899	ug/l	99
86) p-Isopropyltoluene	12.06	119	390481	52.302	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	191352	51.261	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	188869	49.958	ug/l	99
89) n-Butylbenzene	12.39	91	312441	49.793	ug/l	99
90) Hexachloroethane	12.59	117	66068	47.873	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	188846	51.603	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	37195	55.932	ug/l	97
93) 1,2,4-Trichlorobenzene	13.64	180	112991	49.288	ug/l	97

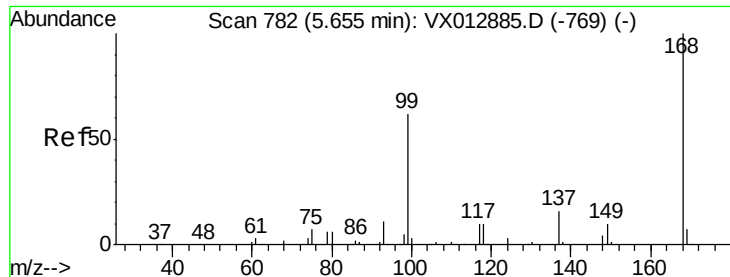
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100919\
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QLast Update : Wed Oct 09 01:51:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	49583	46.866	ug/l	99
95) Naphthalene	13.83	128	412635	51.924	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	116393	49.131	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX012979.D

Acq: 10 Oct 2019 06:29

Instrument :

MSVOA_X

ClientSampleId :

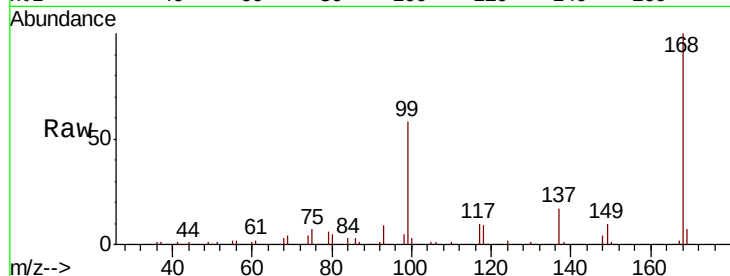
FA19-MMW0010MSD

Tot Ion:168 Resp: 158817

Ion Ratio Lower Upper

168 100

99 57.8 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

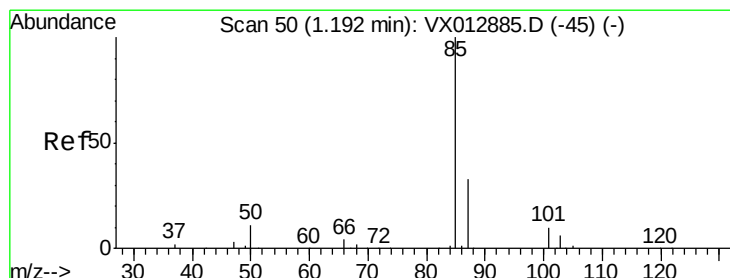
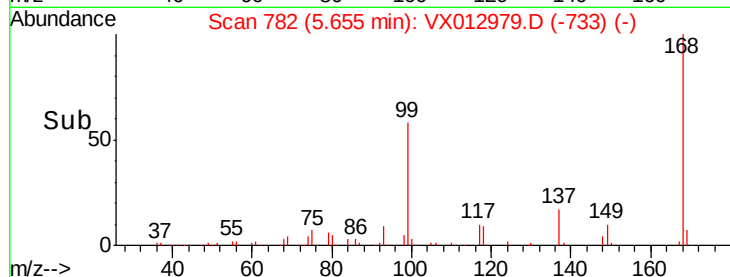
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 50.039 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX012979.D

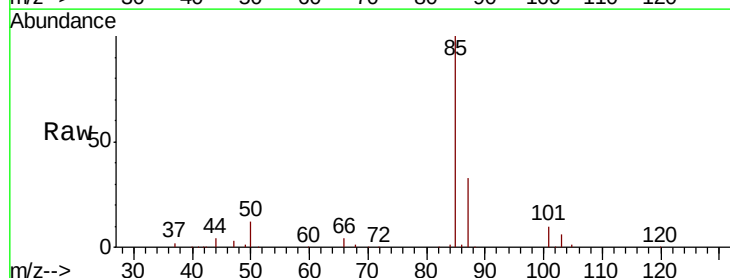
Acq: 10 Oct 2019 06:29

Tgt Ion: 85 Resp: 81006

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

80000

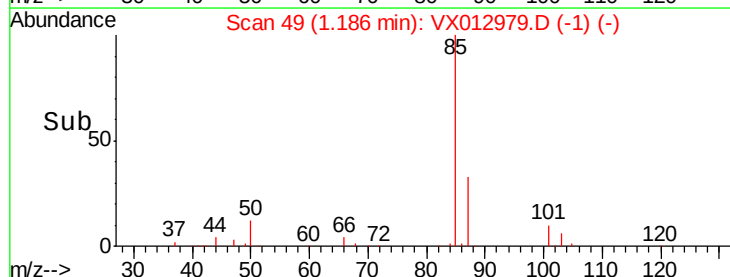
60000

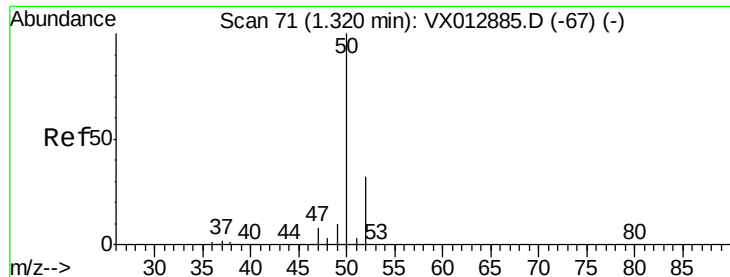
40000

20000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 53.016 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012979.D

Acq: 10 Oct 2019 06:29

Instrument :

MSVOA_X

ClientSampleId :

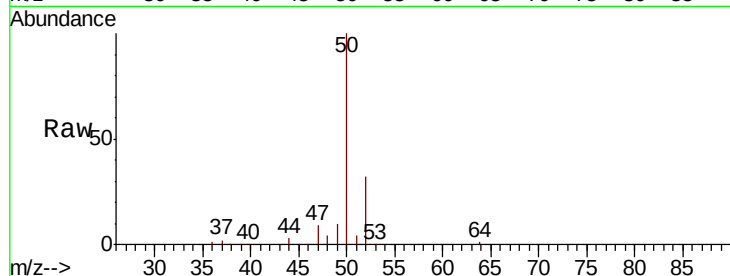
FA19-MMW0010MSD

Tot Ion: 50 Resp: 93404

Ion Ratio Lower Upper

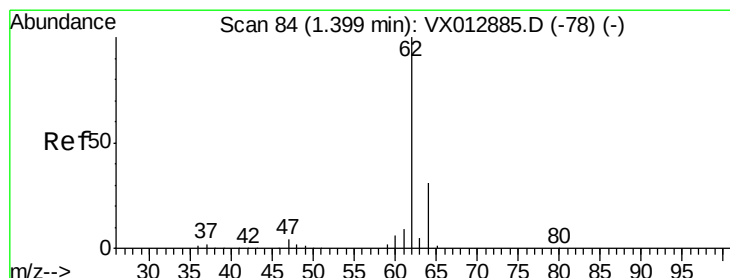
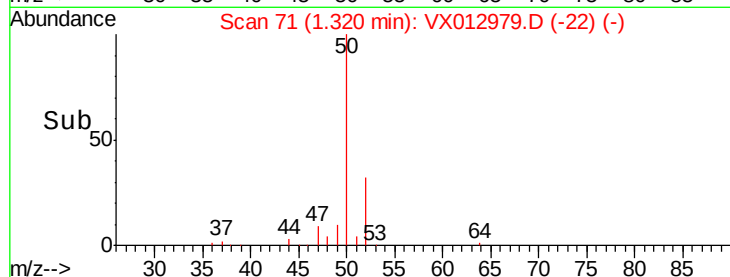
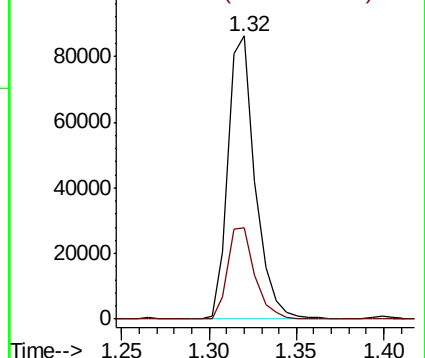
50 100

52 32.3 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 52.146 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012979.D

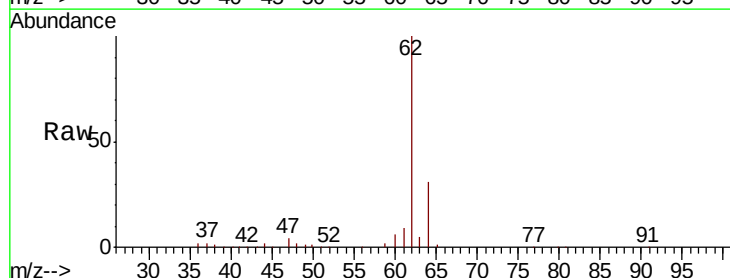
Acq: 10 Oct 2019 06:29

Tgt Ion: 62 Resp: 94825

Ion Ratio Lower Upper

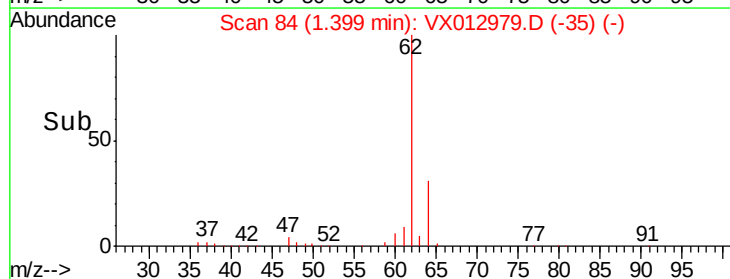
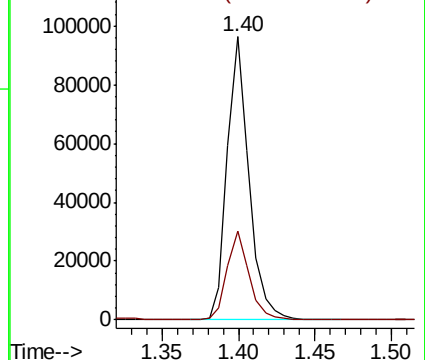
62 100

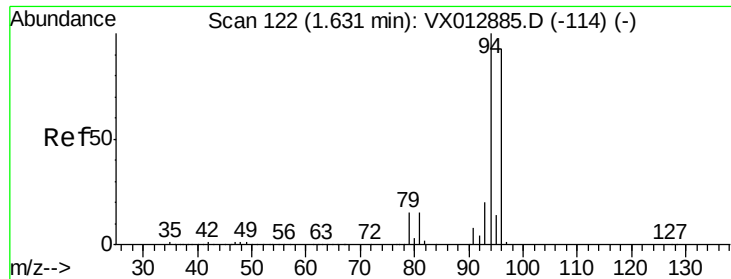
64 31.1 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 50.512 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX012979.D

Acq: 10 Oct 2019 06:29

Instrument :

MSVOA_X

ClientSampleId :

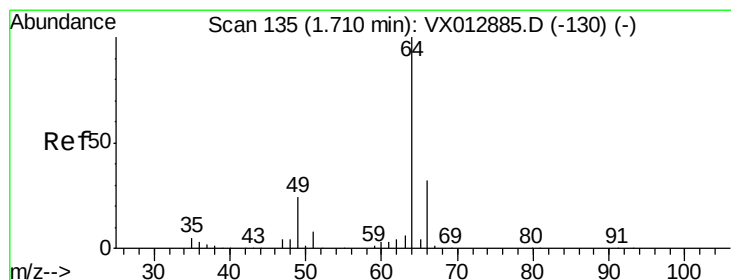
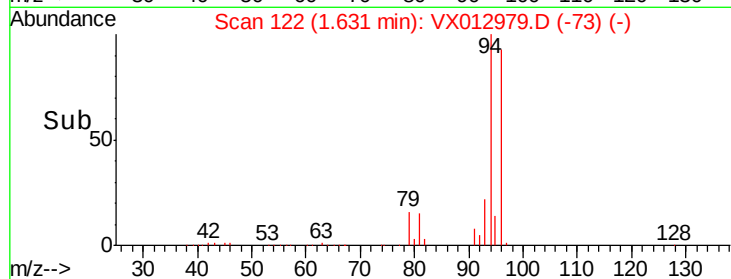
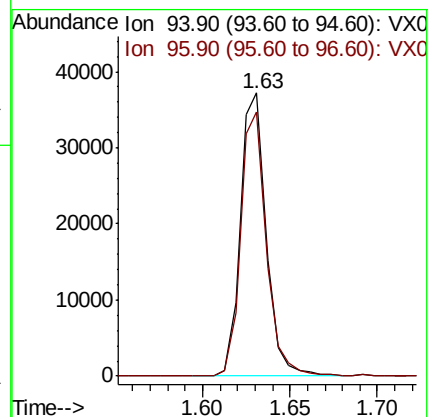
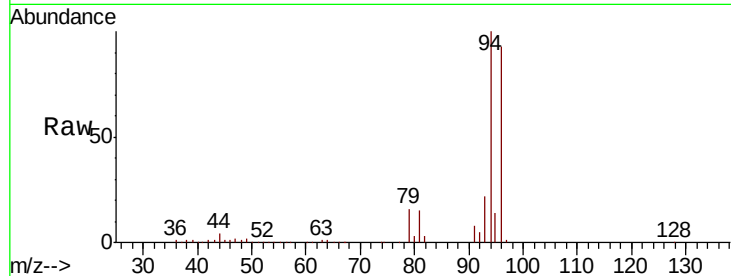
FA19-MMW0010MSD

Tot Ion: 94 Resp: 38183

Ion Ratio Lower Upper

94 100

96 93.4 74.7 112.1



#6

Chloroethane

Concen: 54.583 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012979.D

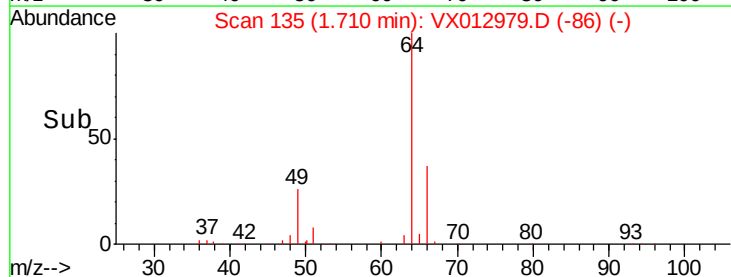
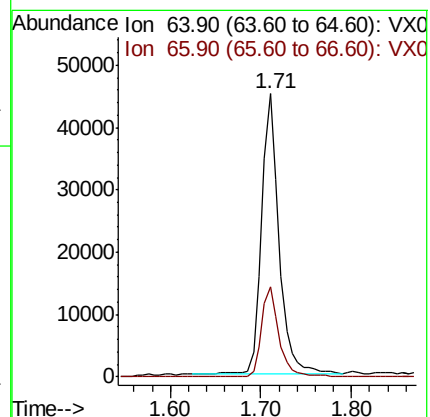
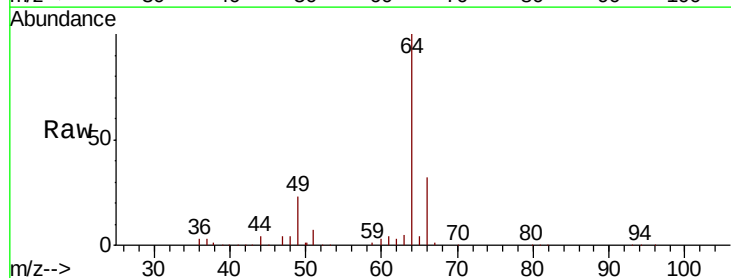
Acq: 10 Oct 2019 06:29

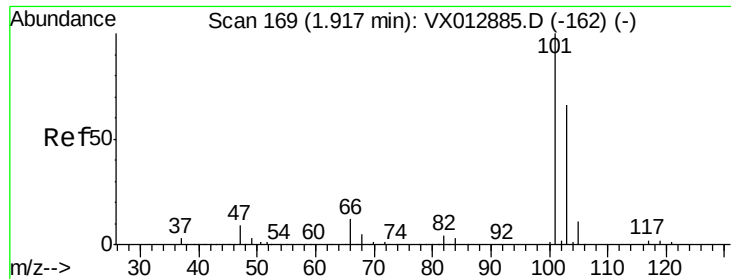
Tgt Ion: 64 Resp: 60667

Ion Ratio Lower Upper

64 100

66 31.8 25.6 38.4



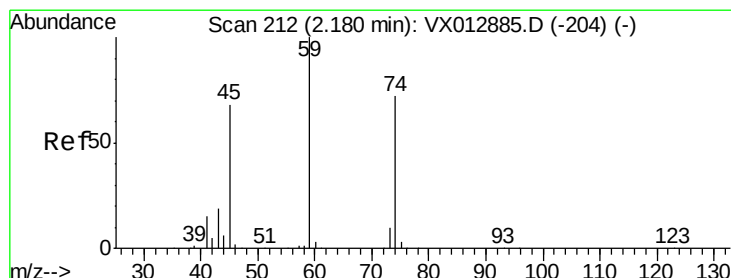
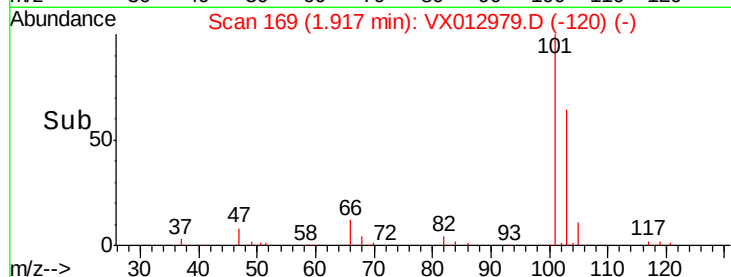
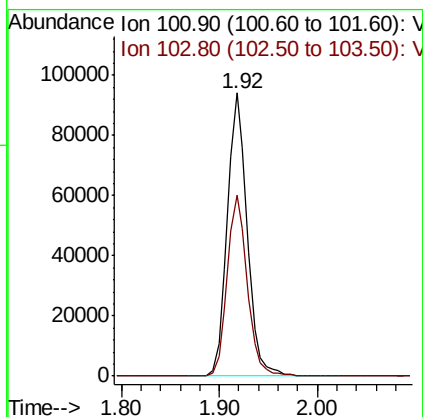
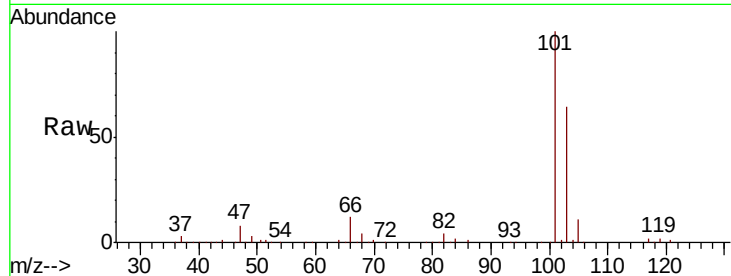


#7

Trichlorofluoromethane
 Concen: 54.203 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX012979.D
 Acq: 10 Oct 2019 06:29

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW0010MSD

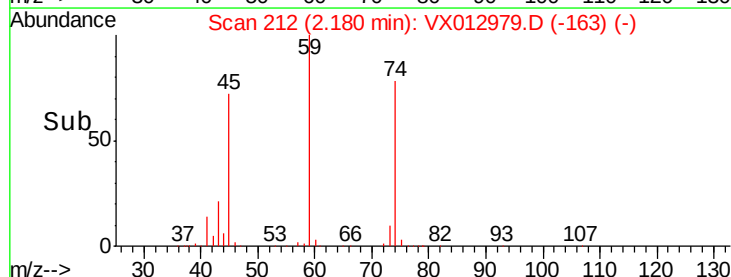
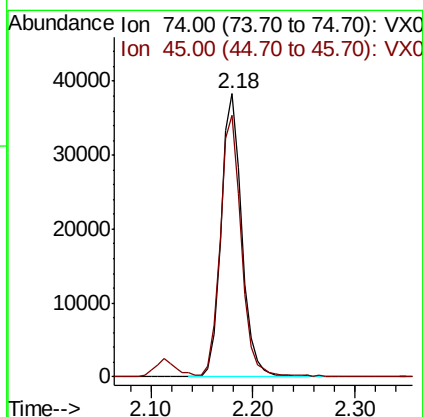
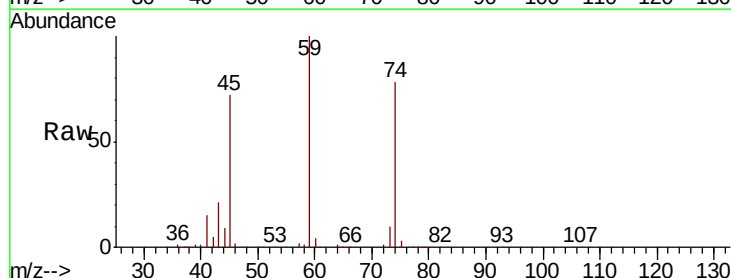
Tot Ion:101 Resp: 133035
 Ion Ratio Lower Upper
 101 100
 103 63.9 52.5 78.7

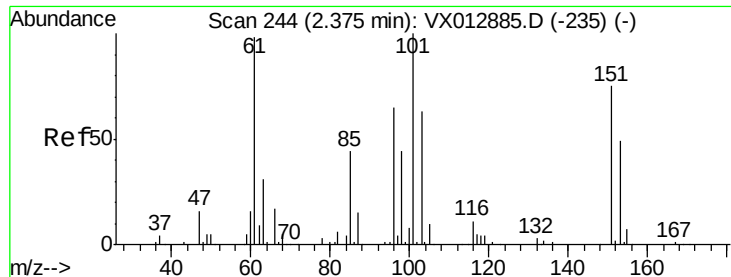


#8

Diethyl Ether
 Concen: 54.770 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX012979.D
 Acq: 10 Oct 2019 06:29

Tgt Ion: 74 Resp: 54260
 Ion Ratio Lower Upper
 74 100
 45 92.5 47.8 143.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.168 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.01 min

Lab File: VX012979.D

Acq: 10 Oct 2019 06:29

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0010MSD

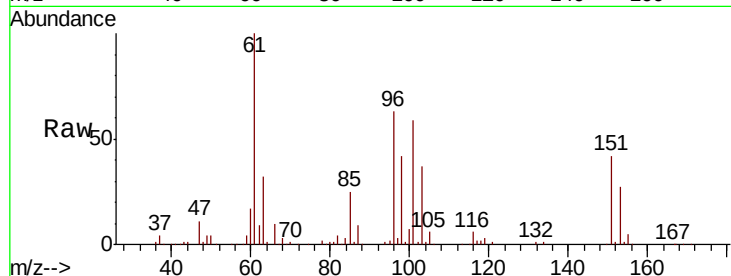
Tot Ion:101 Resp: 78102

Ion Ratio Lower Upper

101 100

85 43.2 35.2 52.8

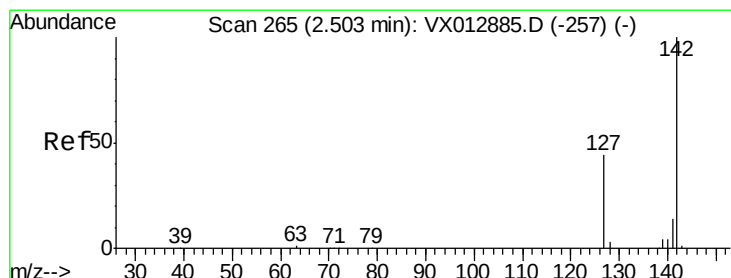
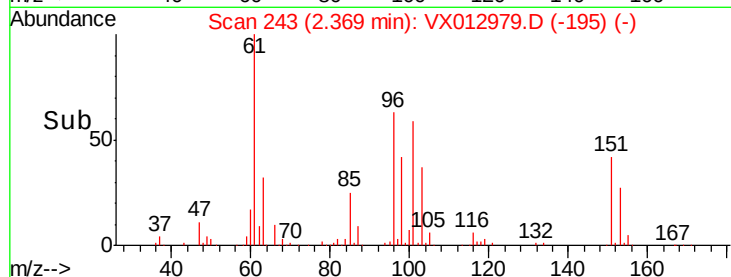
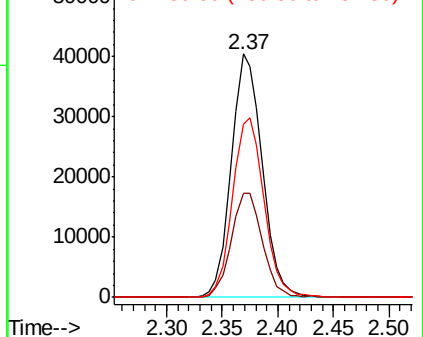
151 75.0 60.3 90.5



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: 53.203 ug/l

RT: 2.50 min Scan# 264

Delta R.T. -0.01 min

Lab File: VX012979.D

Acq: 10 Oct 2019 06:29

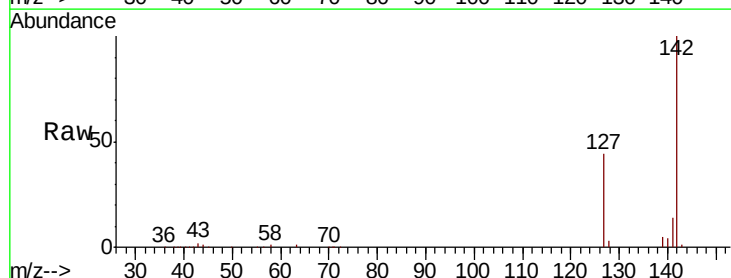
Tgt Ion:142 Resp: 96395

Ion Ratio Lower Upper

142 100

127 44.4 34.9 52.3

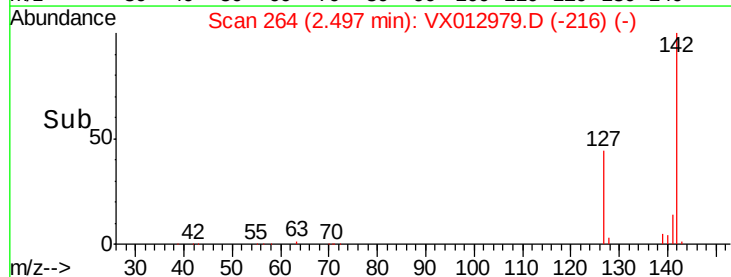
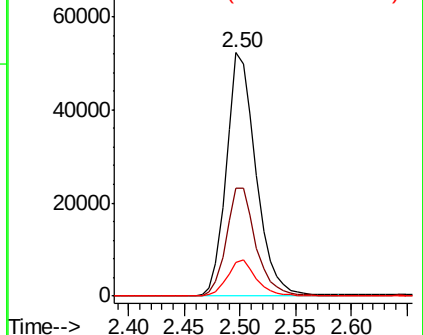
141 14.5 11.6 17.4

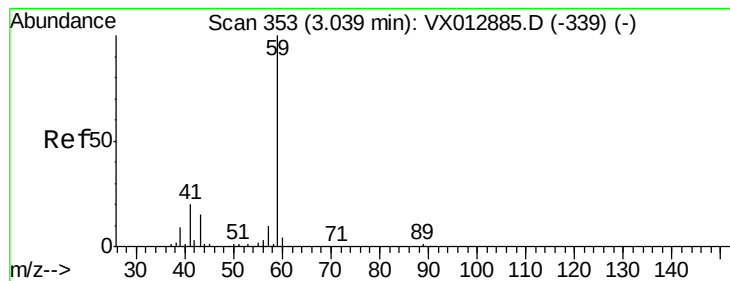


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



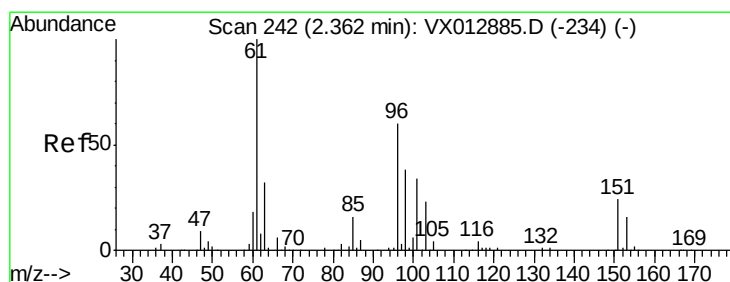
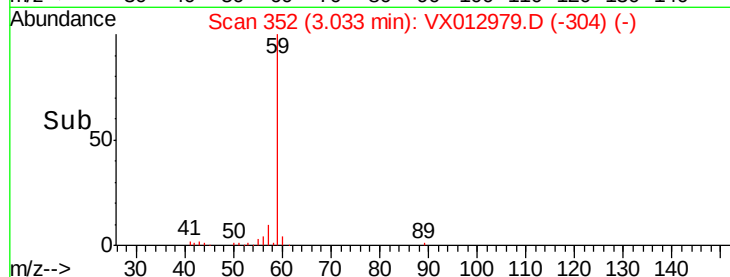
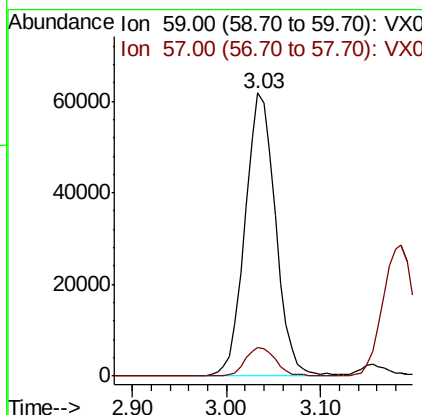
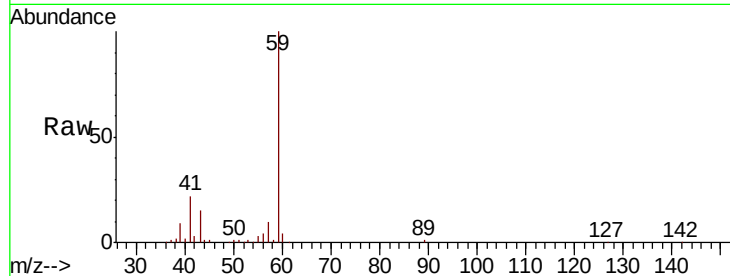


#11

Tert butyl alcohol
 Concen: 265.186 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VX012979.D
 Acq: 10 Oct 2019 06:29

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW0010MSD

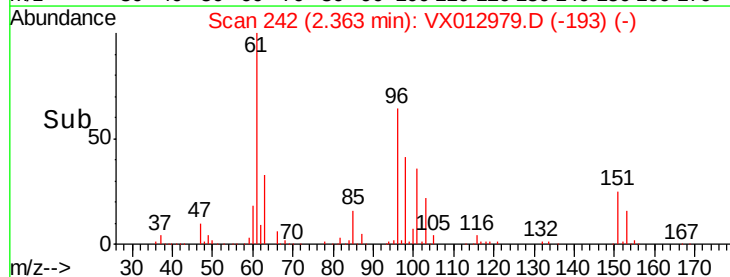
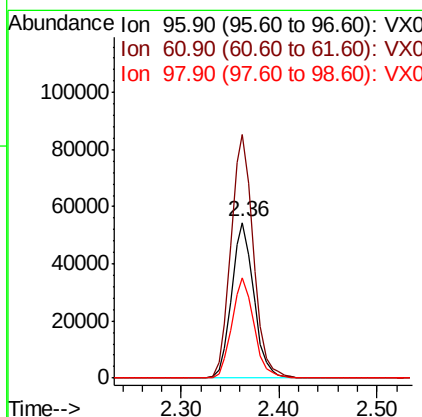
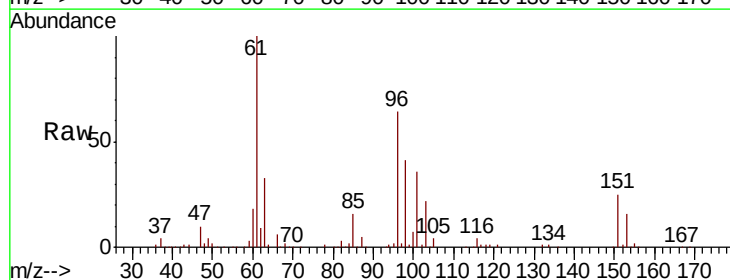
Tot Ion: 59 Resp: 139543
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.3 12.5

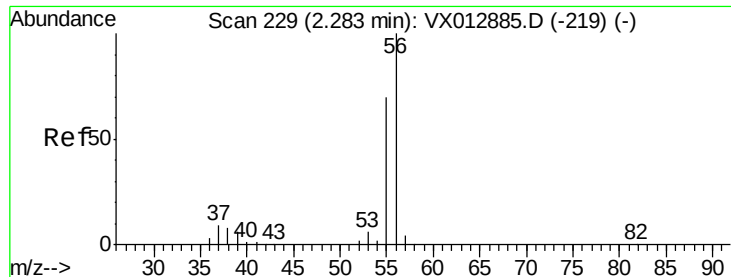


#12

1,1-Dichloroethene
 Concen: 53.429 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX012979.D
 Acq: 10 Oct 2019 06:29

Tgt Ion: 96 Resp: 85750
 Ion Ratio Lower Upper
 96 100
 61 156.8 132.2 198.4
 98 64.5 50.5 75.7





#13

Acrolein

Concen: 222.835 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012979.D

Acq: 10 Oct 2019 06:29

Instrument :

MSVOA_X

ClientSampleId :

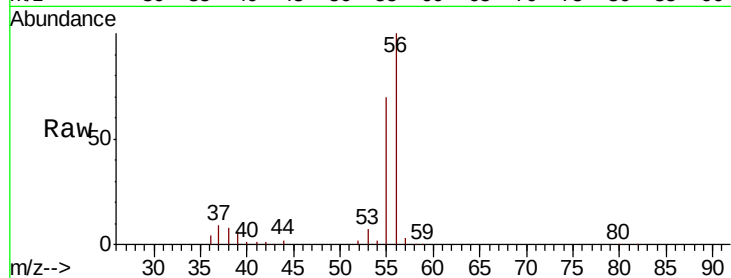
FA19-MMW0010MSD

Tot Ion: 56 Resp: 83330

Ion Ratio Lower Upper

56 100

55 70.3 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.28

60000

50000

40000

30000

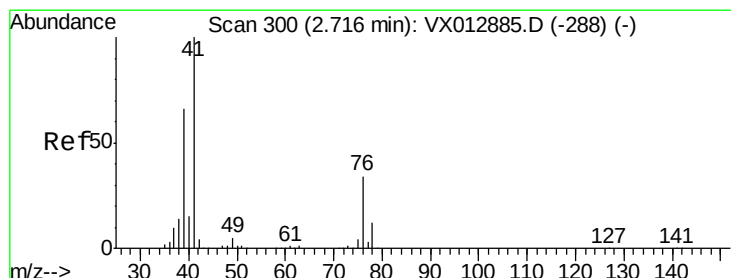
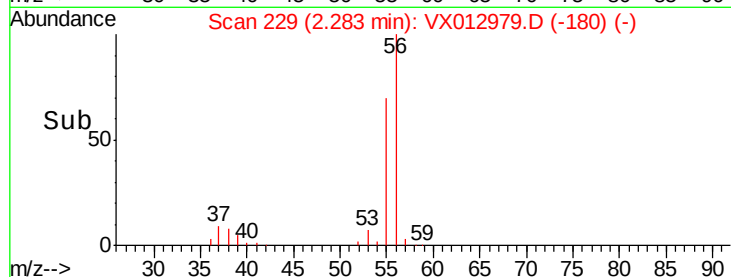
20000

10000

0

Time-->

2.20 2.25 2.30 2.35



#14

Allyl chloride

Concen: 52.520 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012979.D

Acq: 10 Oct 2019 06:29

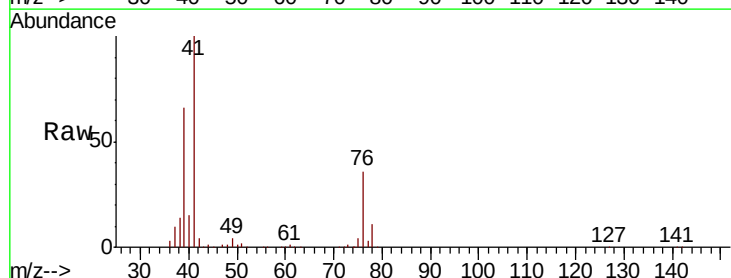
Tgt Ion: 41 Resp: 150110

Ion Ratio Lower Upper

41 100

39 61.4 51.0 76.6

76 33.0 26.2 39.4



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

100000

80000

60000

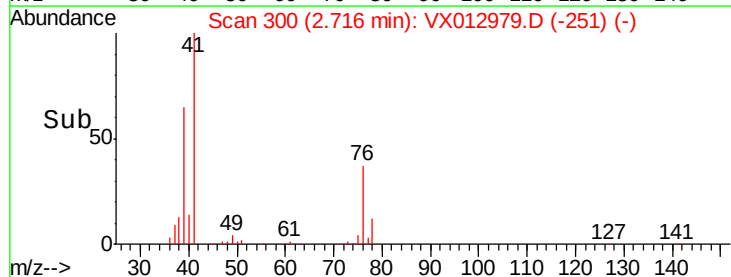
40000

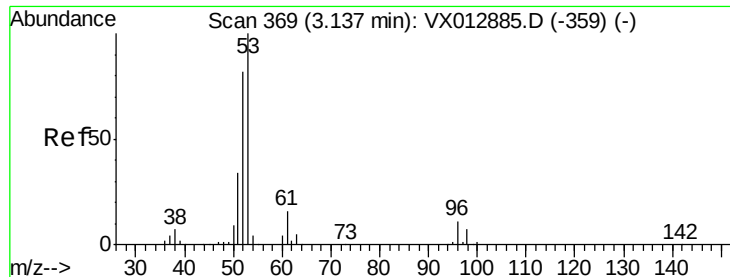
20000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 282.108 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.01 min

Lab File: VX012979.D

Acq: 10 Oct 2019 06:29

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0010MSD

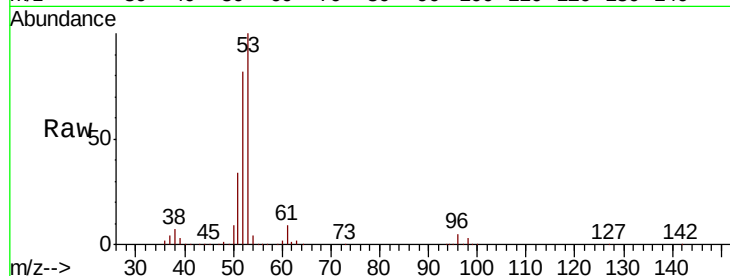
Tot Ion: 53 Resp: 281319

Ion Ratio Lower Upper

53 100

52 82.2 66.2 99.2

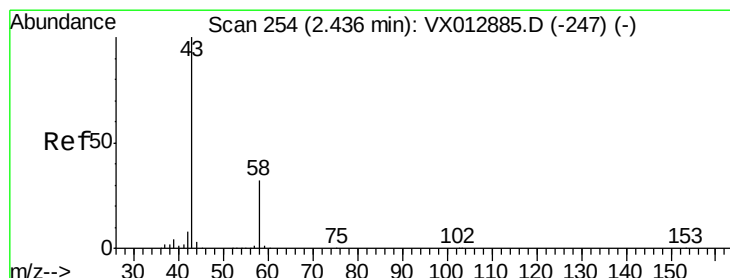
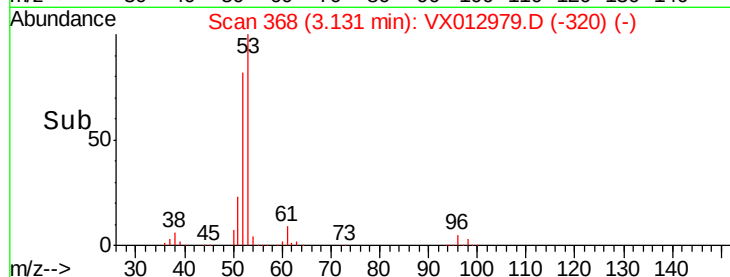
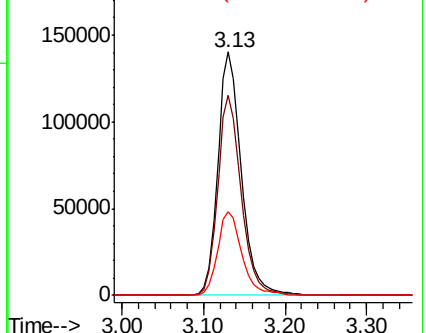
51 35.6 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 241.716 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012979.D

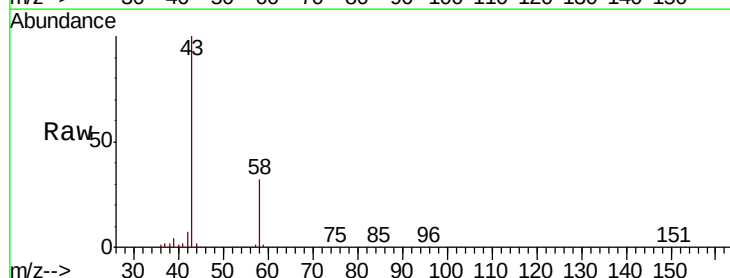
Acq: 10 Oct 2019 06:29

Tgt Ion: 43 Resp: 252907

Ion Ratio Lower Upper

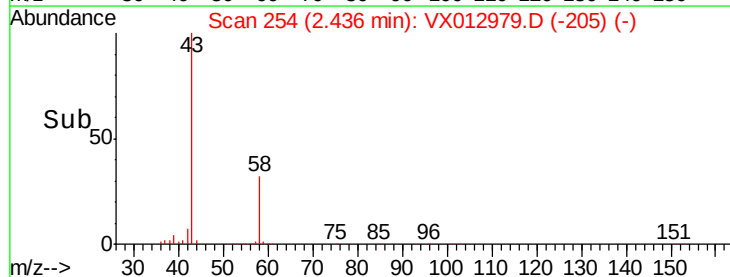
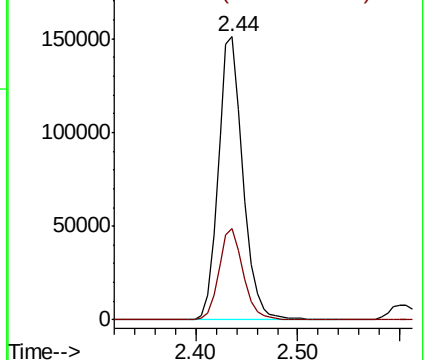
43 100

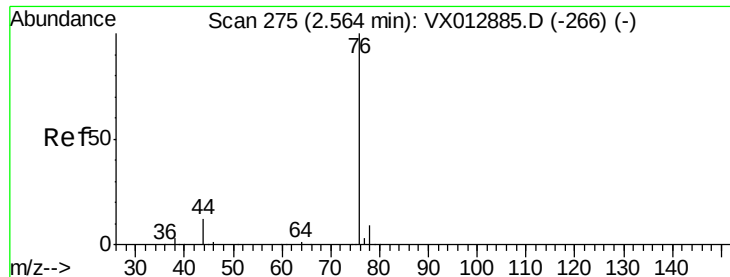
58 32.4 25.4 38.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 50.372 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX012979.D

Acq: 10 Oct 2019 06:29

Instrument :

MSVOA_X

ClientSampleId :

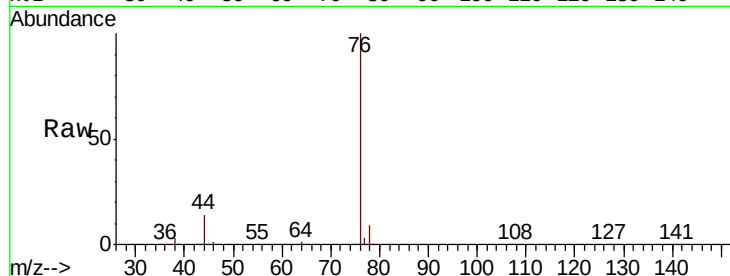
FA19-MMW0010MSD

Tot Ion: 76 Resp: 230517

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

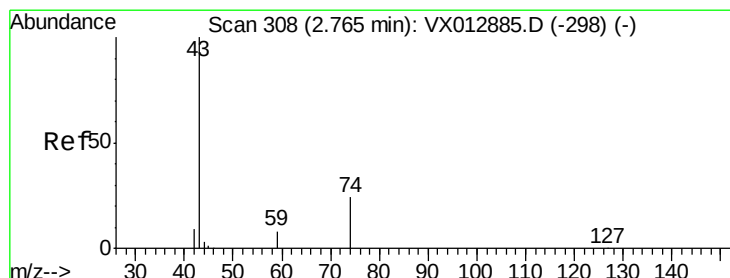
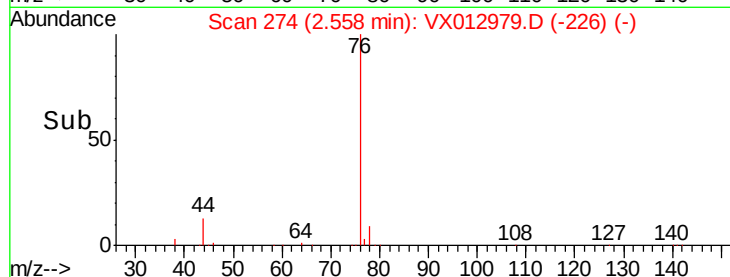
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 49.043 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX012979.D

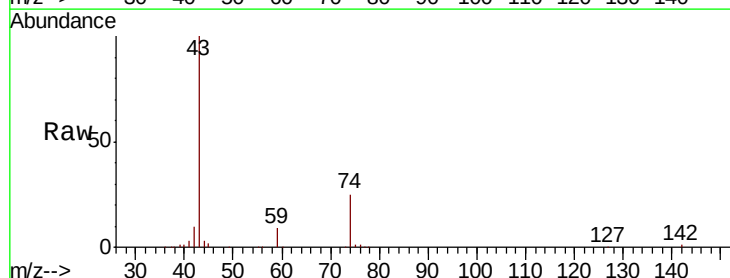
Acq: 10 Oct 2019 06:29

Tgt Ion: 43 Resp: 121628

Ion Ratio Lower Upper

43 100

74 24.8 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

80000

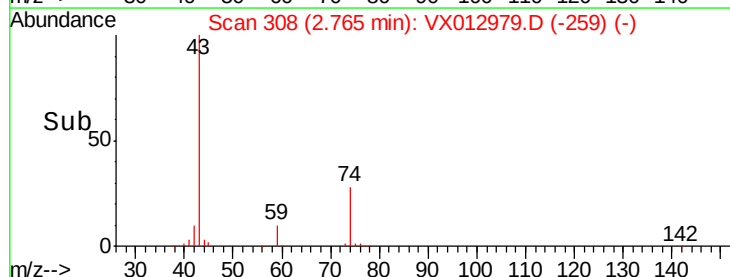
60000

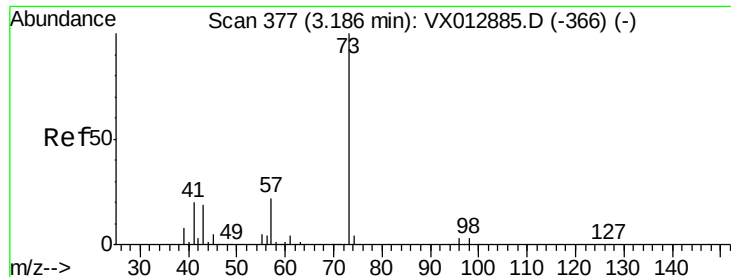
40000

20000

0

Time-->

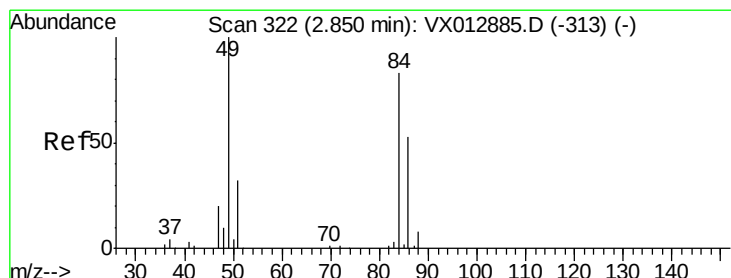
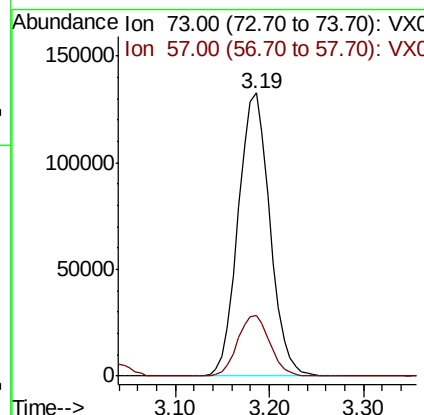
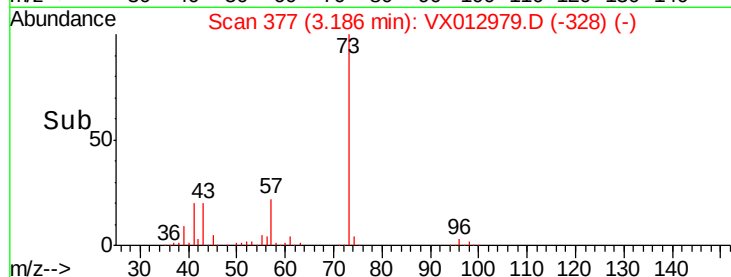
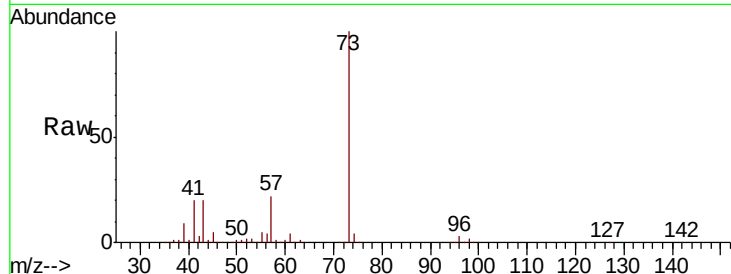




#19
Methyl tert-butyl Ether
Concen: 56.123 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX012979.D
Acq: 10 Oct 2019 06:29

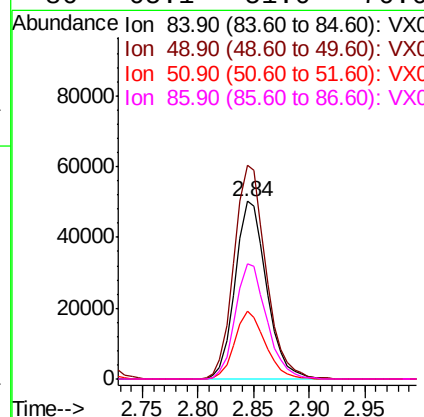
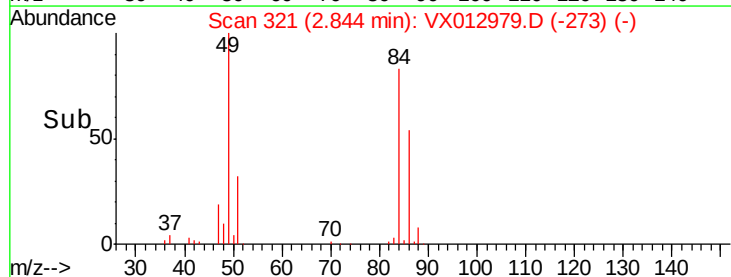
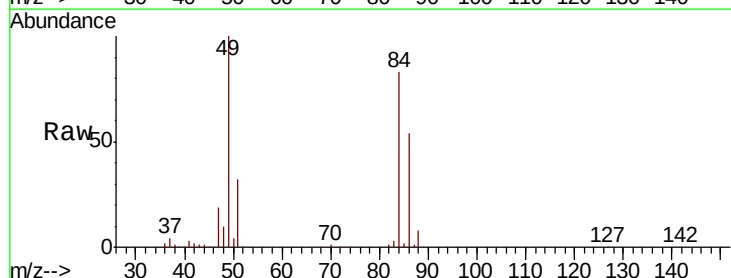
Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW0010MSD

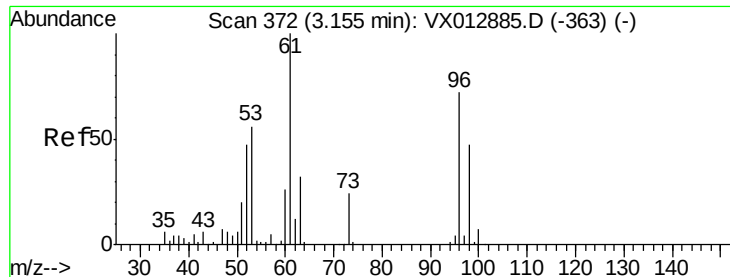
Tot Ion: 73 Resp: 311053
Ion Ratio Lower Upper
73 100
57 21.5 17.8 26.6



#20
Methylene Chloride
Concen: 51.181 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX012979.D
Acq: 10 Oct 2019 06:29

Tgt Ion: 84 Resp: 98416
Ion Ratio Lower Upper
84 100
49 120.1 96.6 144.8
51 37.9 30.7 46.1
86 65.1 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 53.752 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX012979.D

Acq: 10 Oct 2019 06:29

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0010MSD

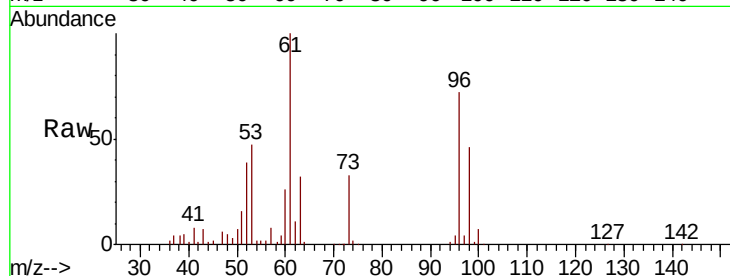
Tot Ion: 96 Resp: 92463

Ion Ratio Lower Upper

96 100

61 138.3 110.4 165.6

98 63.4 51.5 77.3

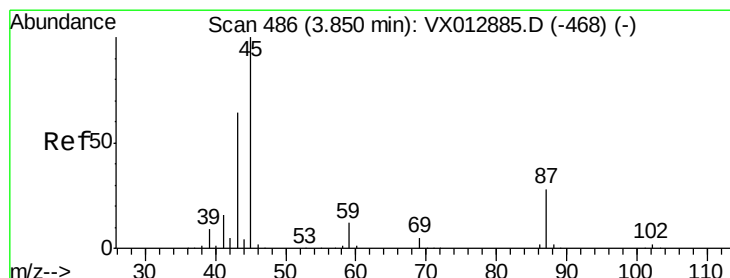
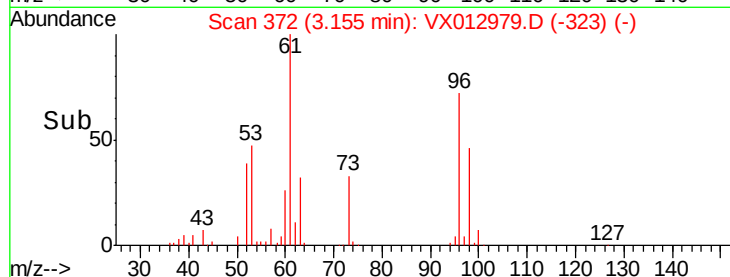
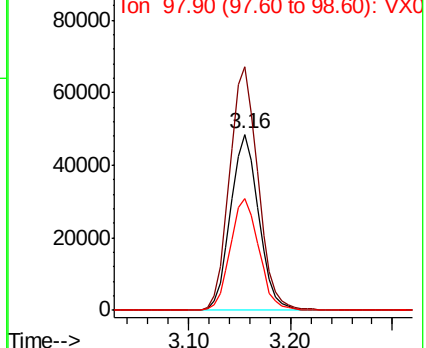


Abundance

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: 55.330 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.01 min

Lab File: VX012979.D

Acq: 10 Oct 2019 06:29

Tgt Ion: 45 Resp: 303028

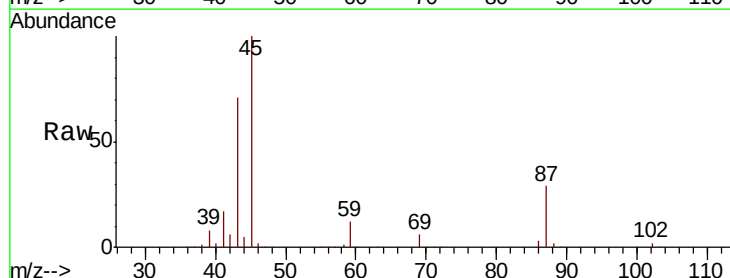
Ion Ratio Lower Upper

45 100

43 70.4 51.4 77.0

87 29.5 22.5 33.7

59 12.4 9.7 14.5



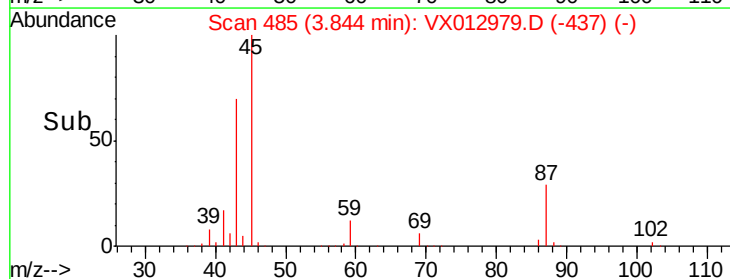
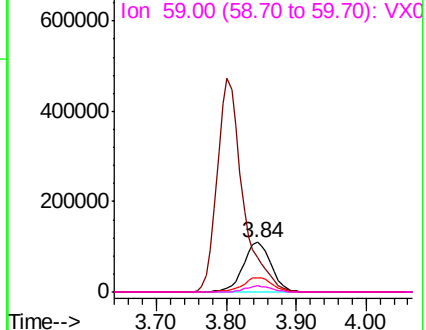
Abundance

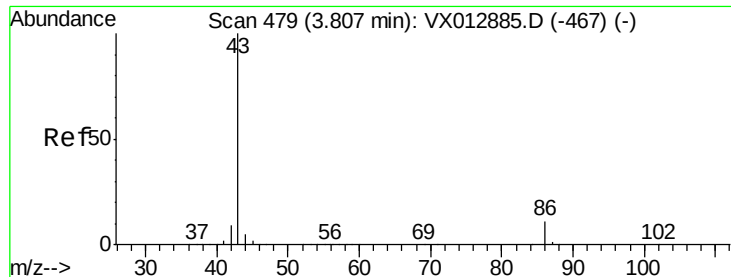
Ion 45.00 (44.70 to 45.70): VX0

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: 255.768 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: VX012979.D

Acq: 10 Oct 2019 06:29

Instrument :

MSVOA_X

ClientSampleId :

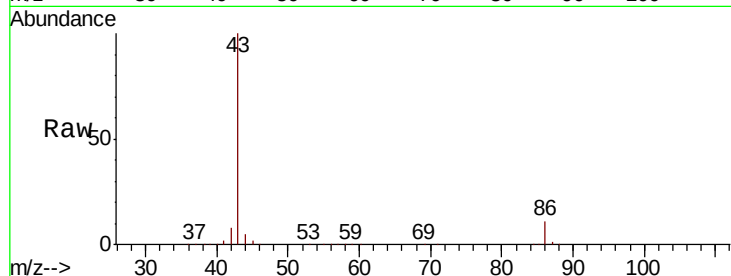
FA19-MMW0010MSD

Tot Ion: 43 Resp: 1209250

Ion Ratio Lower Upper

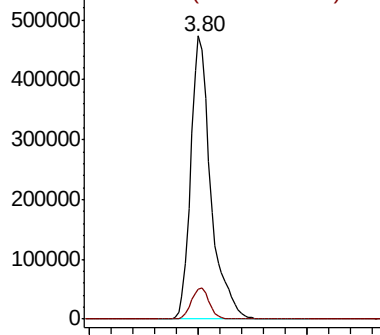
43 100

86 10.6 9.0 13.6

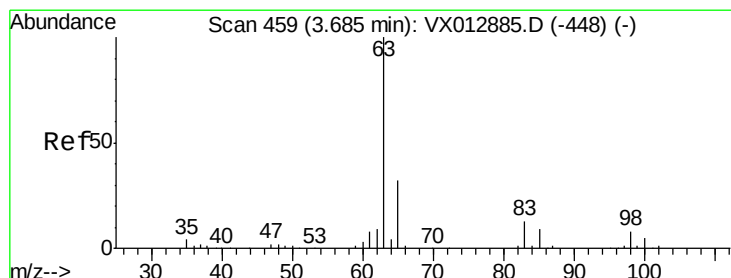
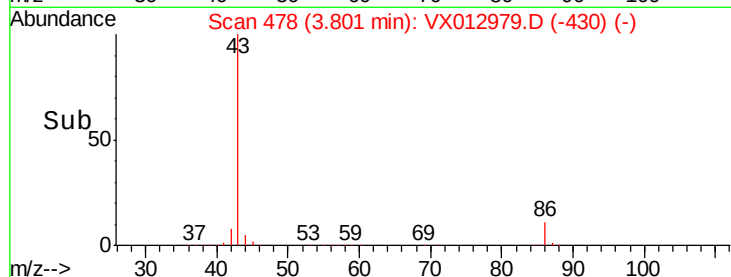


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 54.646 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012979.D

Acq: 10 Oct 2019 06:29

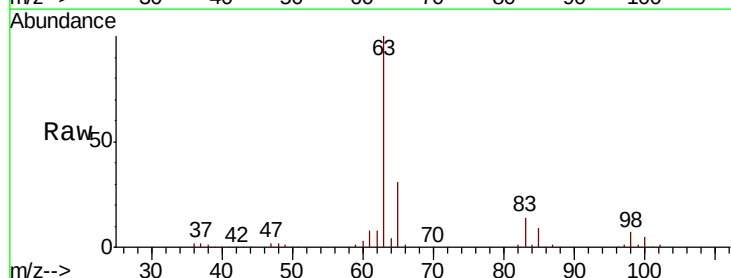
Tgt Ion: 63 Resp: 168368

Ion Ratio Lower Upper

63 100

98 7.1 3.9 11.5

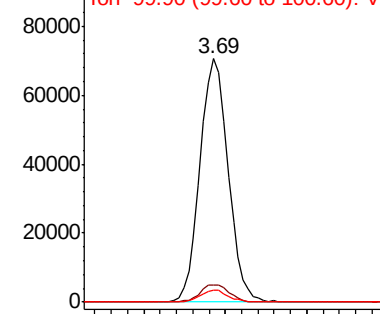
100 4.8 2.3 6.9



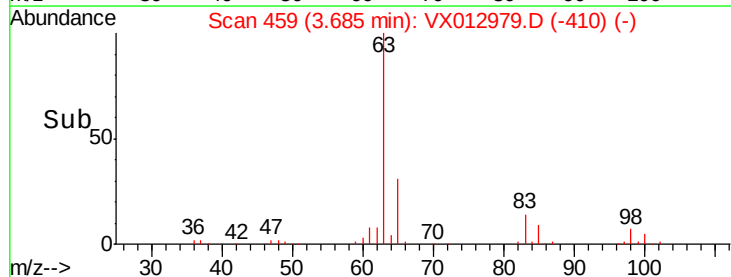
Abundance Ion 62.90 (62.60 to 63.60): VX0

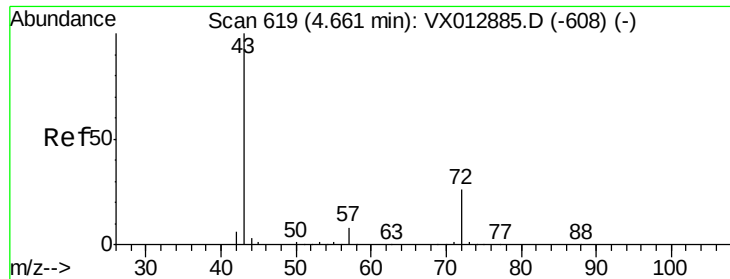
Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 267.031 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012979.D

Acq: 10 Oct 2019 06:29

Instrument :

MSVOA_X

ClientSampleId :

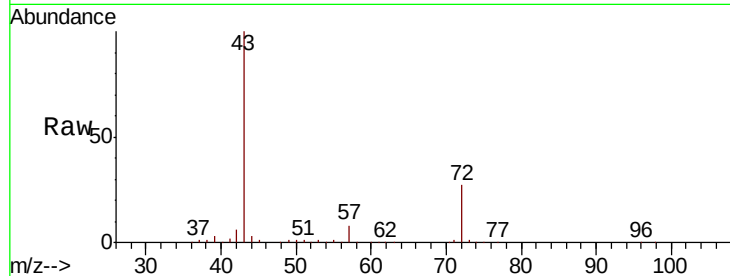
FA19-MMW0010MSD

Tot Ion: 43 Resp: 387621

Ion Ratio Lower Upper

43 100

72 26.9 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

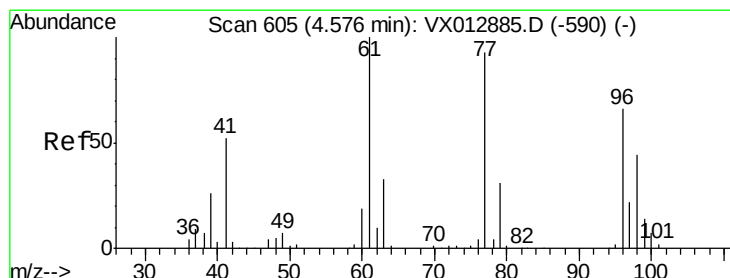
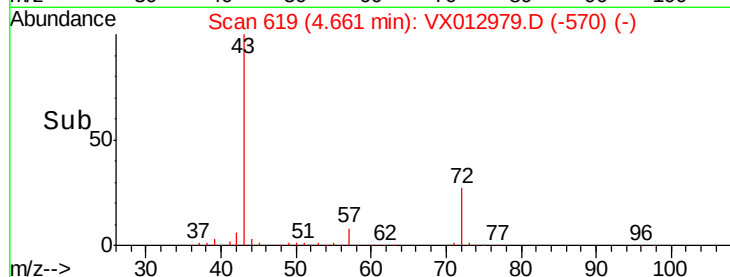
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 36.271 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.00 min

Lab File: VX012979.D

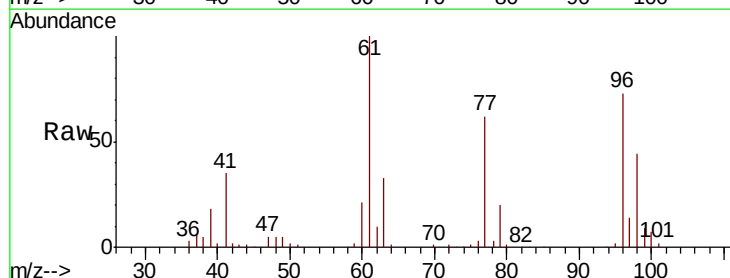
Acq: 10 Oct 2019 06:29

Tgt Ion: 77 Resp: 93976

Ion Ratio Lower Upper

77 100

97 24.6 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

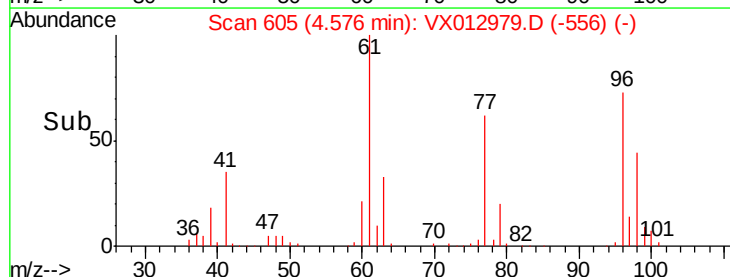
20000

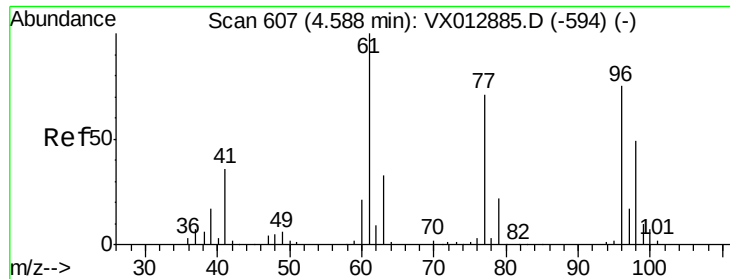
10000

0

4.40 4.50 4.60 4.70

Time-->



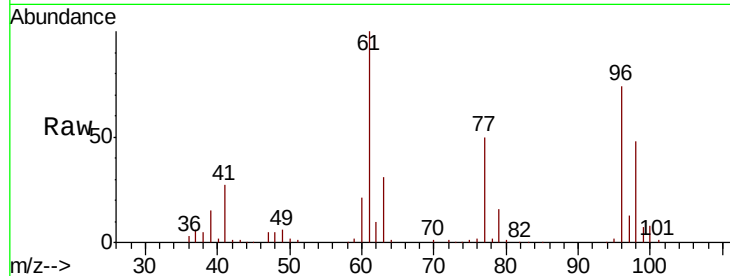


#27

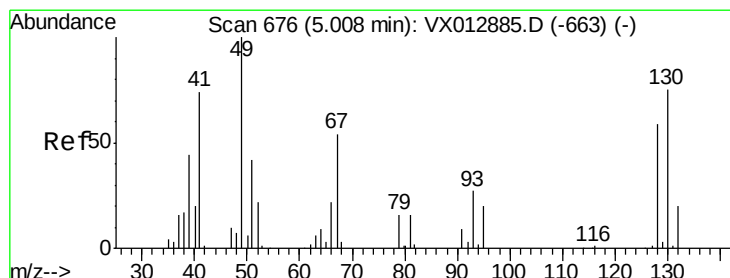
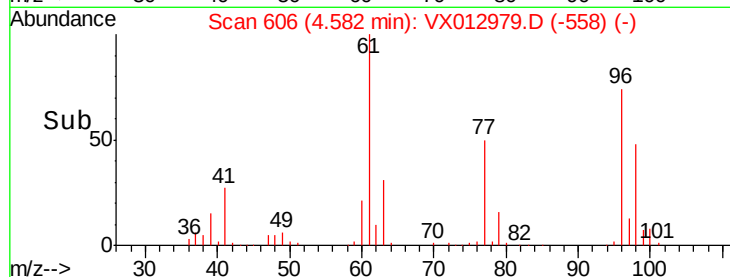
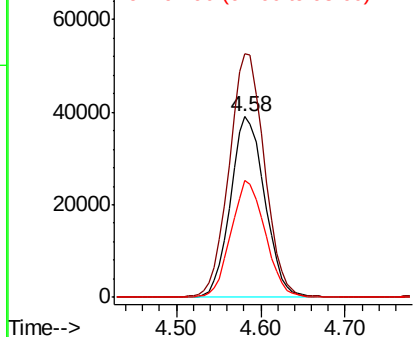
cis-1,2-Dichloroethene
 Concen: 54.341 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: VX012979.D
 Acq: 10 Oct 2019 06:29

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW0010MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.3	0.0	290.6
98	64.3	0.0	128.8



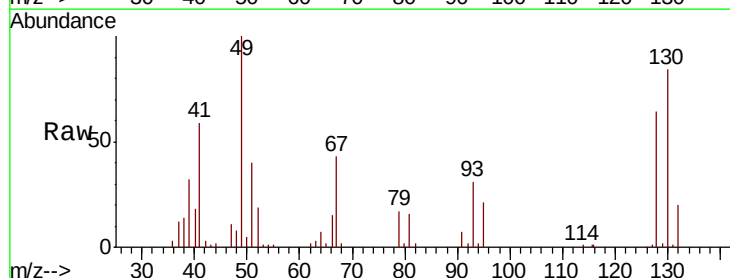
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



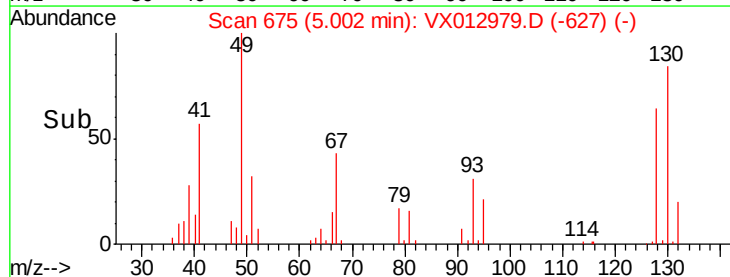
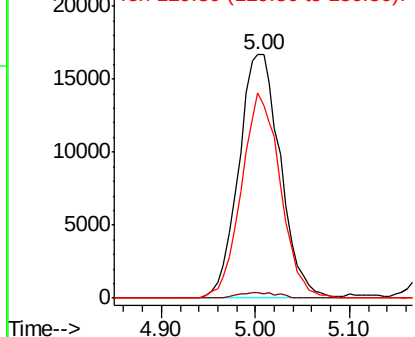
#28

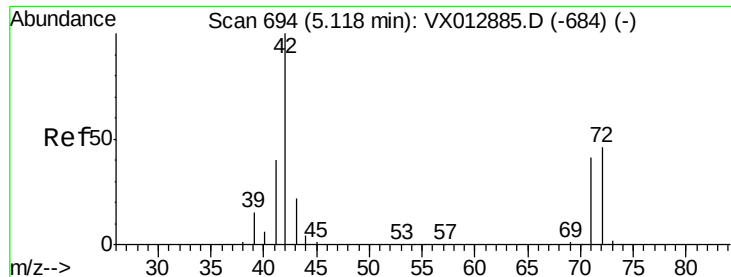
Bromochloromethane
 Concen: 56.135 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. -0.01 min
 Lab File: VX012979.D
 Acq: 10 Oct 2019 06:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	78.7	62.1	93.1



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

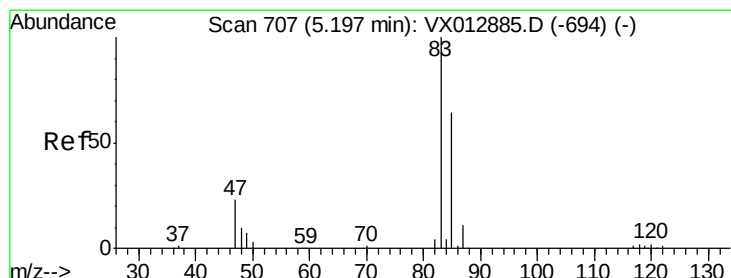
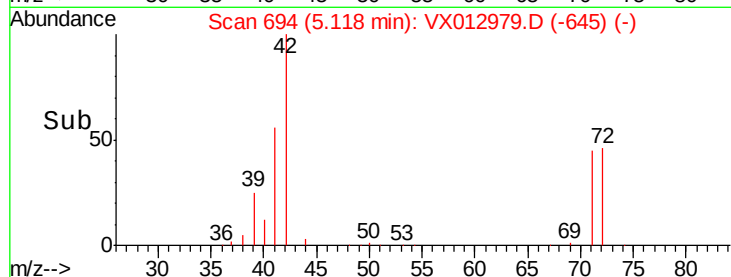
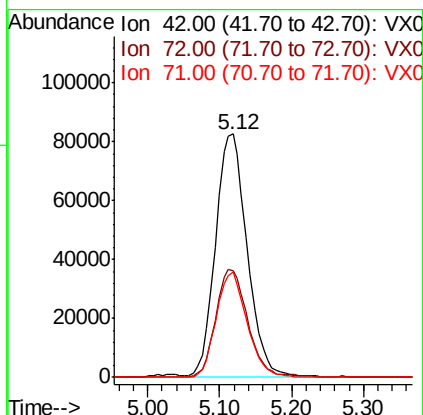
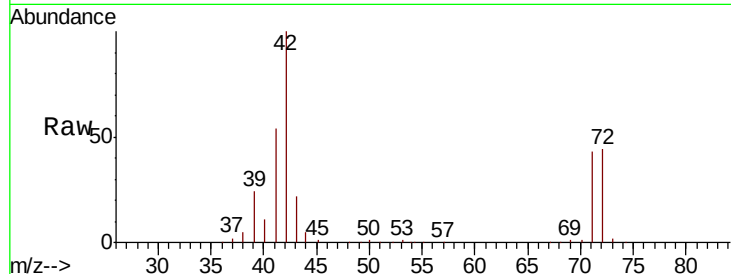




#29
Tetrahydrofuran
Concen: 281.758 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.00 min
Lab File: VX012979.D
Acq: 10 Oct 2019 06:29

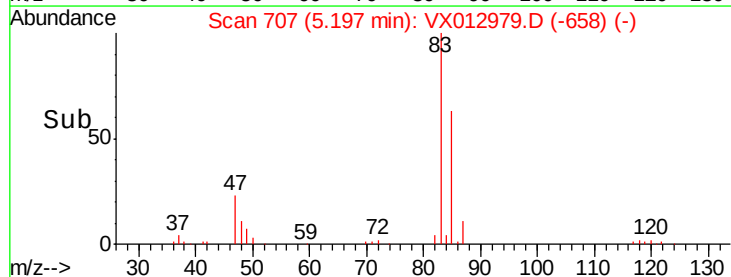
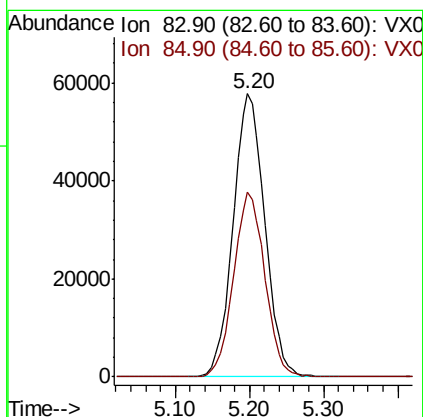
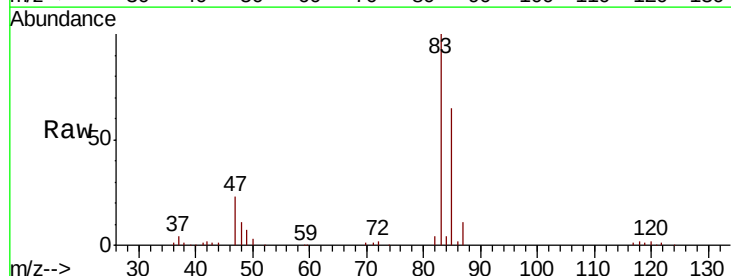
Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW0010MSD

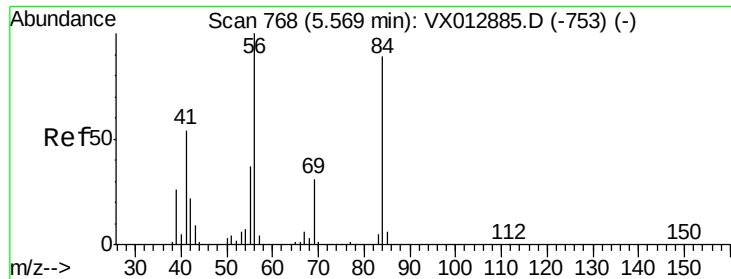
Tot Ion: 42 Resp: 251684
Ion Ratio Lower Upper
42 100
72 45.3 36.9 55.3
71 42.4 33.5 50.3



#30
Chloroform
Concen: 54.396 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX012979.D
Acq: 10 Oct 2019 06:29

Tgt Ion: 83 Resp: 171969
Ion Ratio Lower Upper
83 100
85 65.2 51.5 77.3

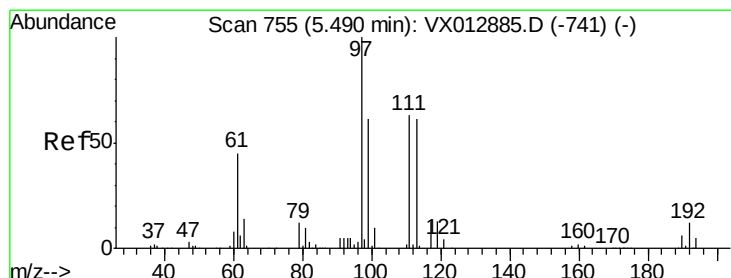
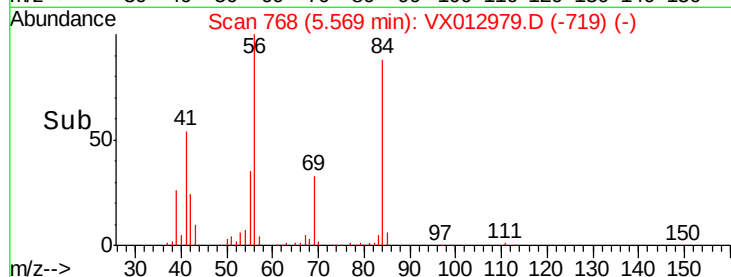
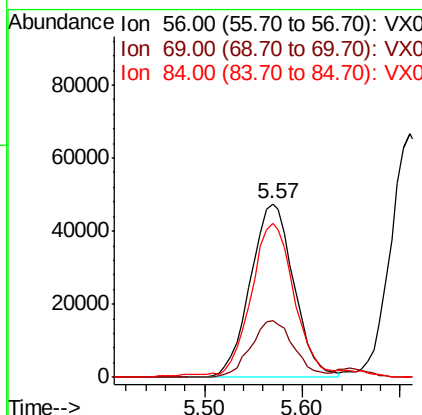
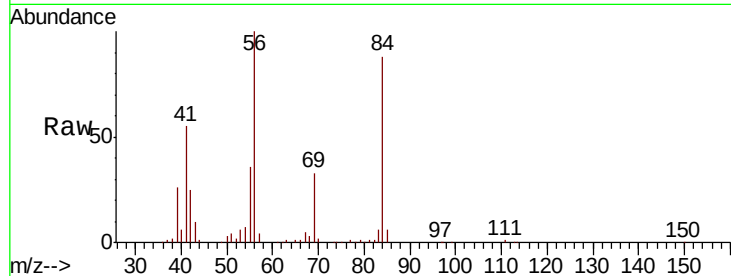




#31
Cyclohexane
Concen: 51.108 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX012979.D
Acq: 10 Oct 2019 06:29

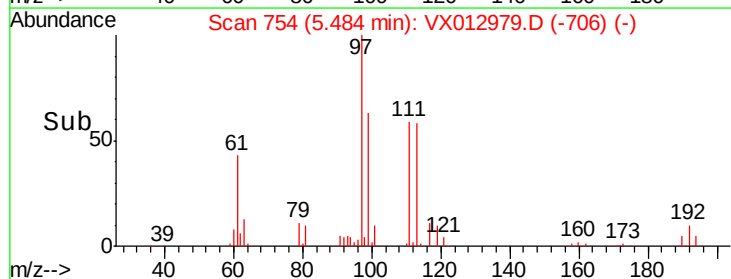
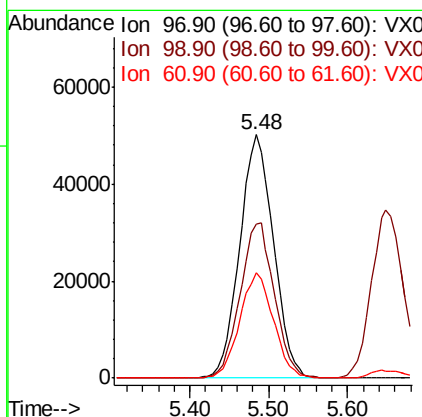
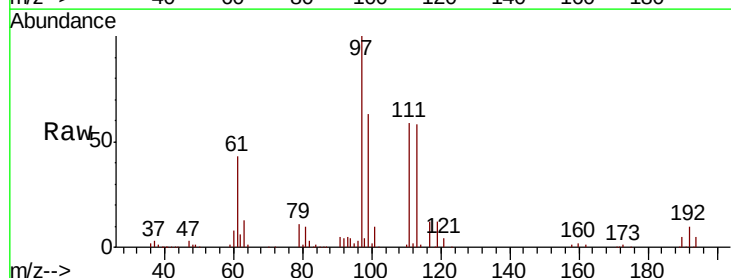
Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW0010MSD

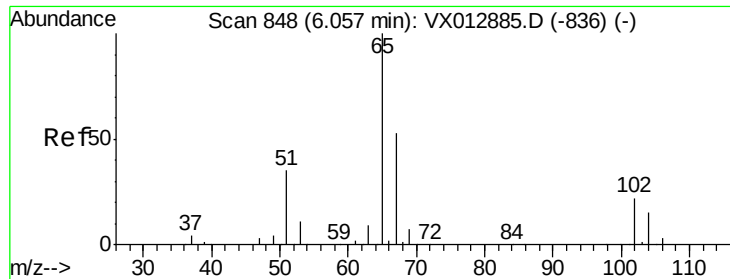
Tot Ion: 56 Resp: 147243
Ion Ratio Lower Upper
56 100
69 32.8 25.2 37.8
84 87.0 71.3 106.9



#32
1,1,1-Trichloroethane
Concen: 55.993 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX012979.D
Acq: 10 Oct 2019 06:29

Tgt Ion: 97 Resp: 149990
Ion Ratio Lower Upper
97 100
99 64.4 52.3 78.5
61 43.0 35.0 52.4

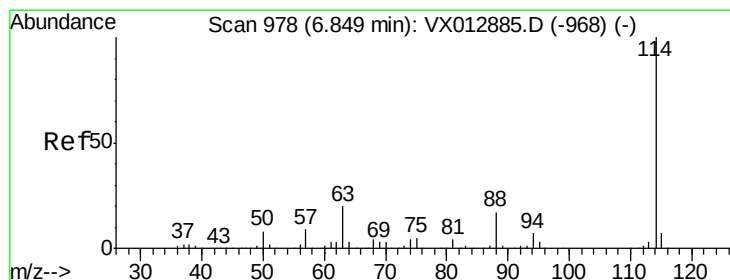
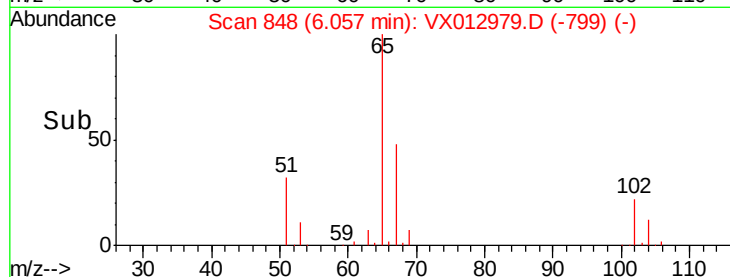
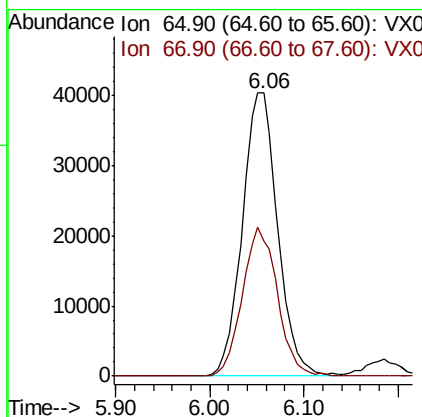
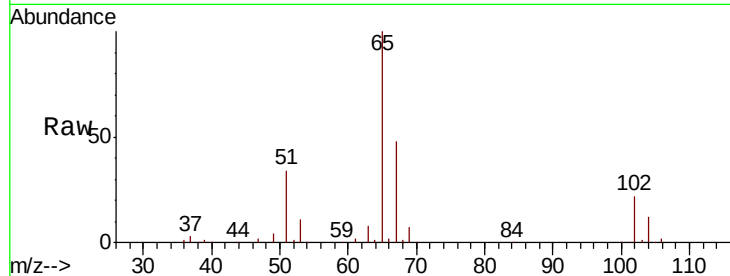




#33
 1,2-Dichloroethane-d4
 Concen: 53.119 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.00 min
 Lab File: VX012979.D
 Acq: 10 Oct 2019 06:29

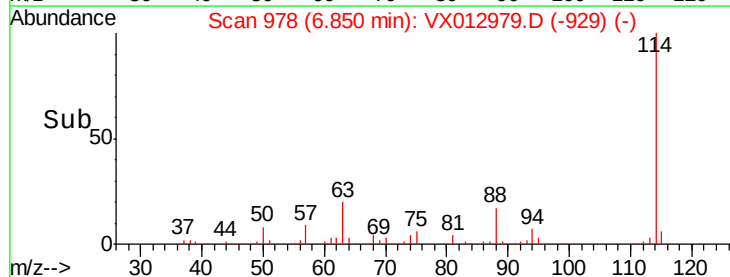
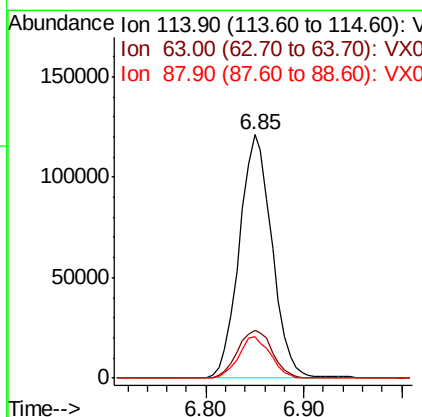
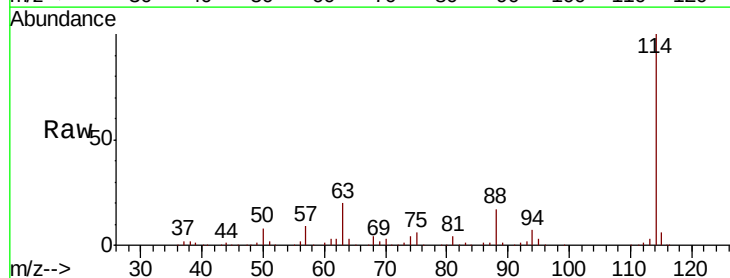
Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW0010MSD

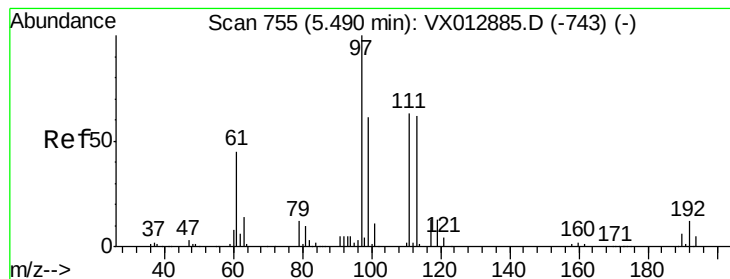
Tot Ion: 65 Resp: 105441
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012979.D
 Acq: 10 Oct 2019 06:29

Tgt Ion: 114 Resp: 280639
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.8
 88 16.9 0.0 33.8





#35

Dibromofluoromethane

Concen: 51.924 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX012979.D

Acq: 10 Oct 2019 06:29

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0010MSD

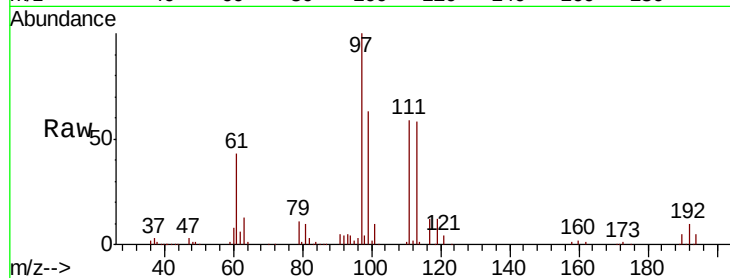
Tot Ion:113 Resp: 83635

Ion Ratio Lower Upper

113 100

111 102.3 83.2 124.8

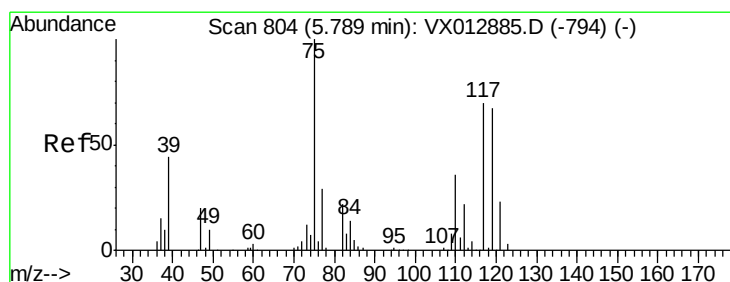
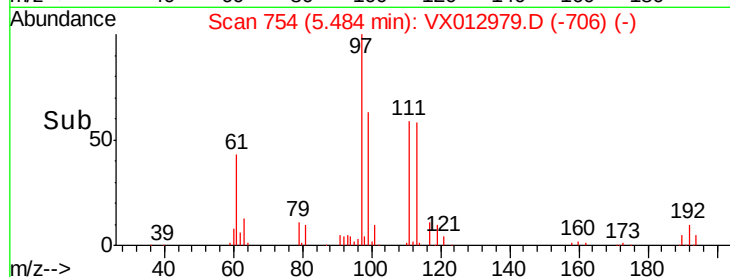
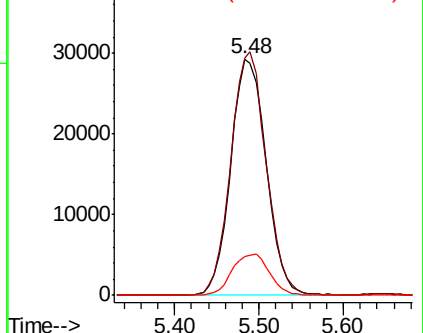
192 18.3 15.4 23.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 51.530 ug/l

RT: 5.79 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX012979.D

Acq: 10 Oct 2019 06:29

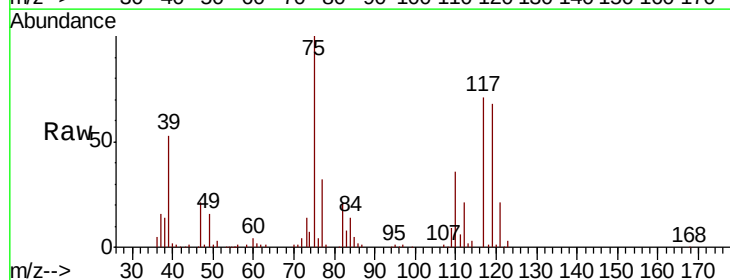
Tgt Ion: 75 Resp: 127145

Ion Ratio Lower Upper

75 100

110 35.5 17.6 52.9

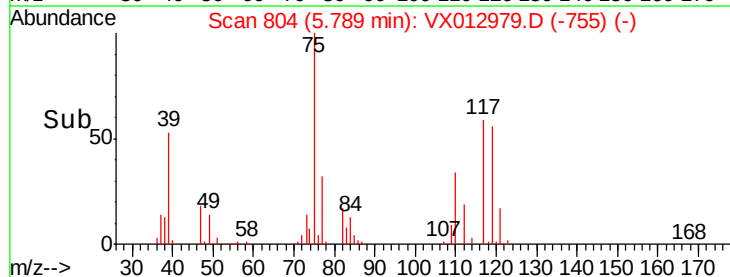
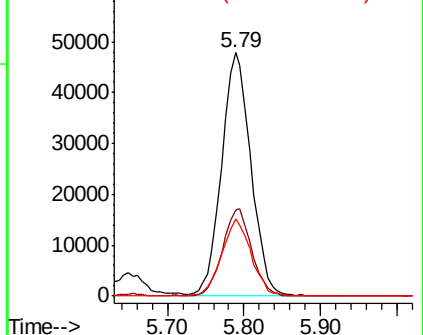
77 31.6 24.4 36.6

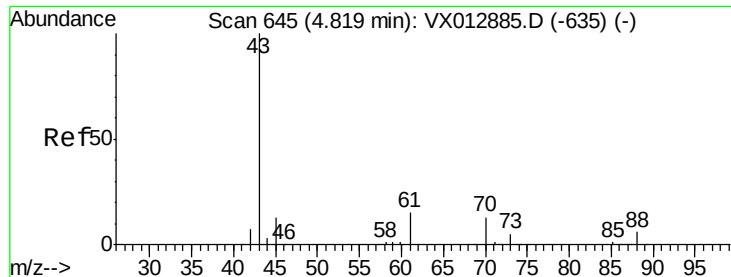


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 49.782 ug/l

RT: 4.82 min Scan# 645

Delta R.T. 0.00 min

Lab File: VX012979.D

Acq: 10 Oct 2019 06:29

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0010MSD

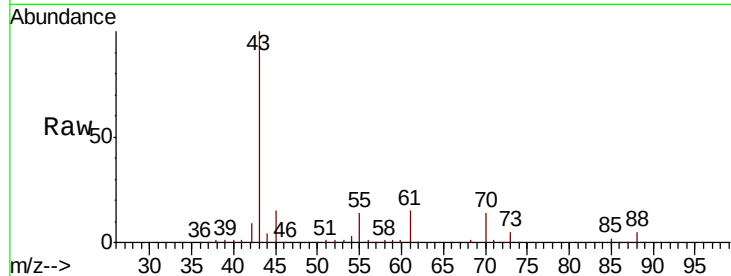
Tot Ion: 43 Resp: 137350

Ion Ratio Lower Upper

43 100

61 14.4 11.4 17.0

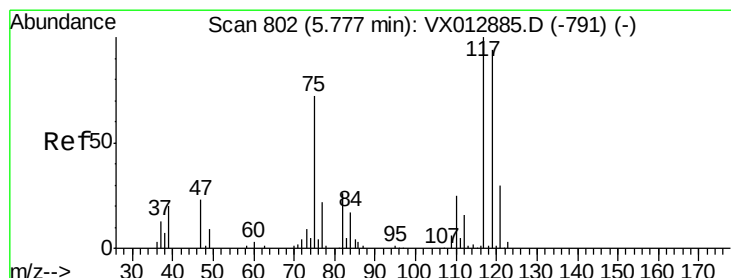
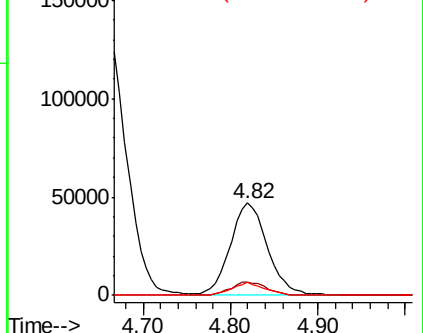
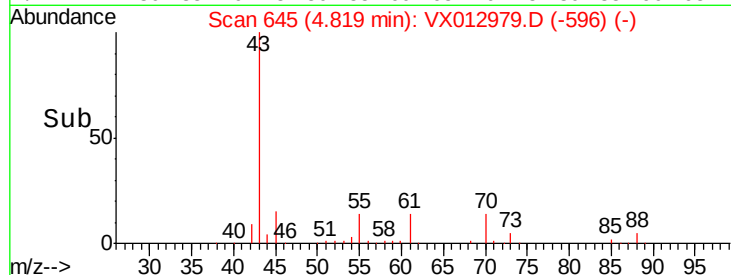
70 12.2 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 52.972 ug/l

RT: 5.78 min Scan# 802

Delta R.T. 0.00 min

Lab File: VX012979.D

Acq: 10 Oct 2019 06:29

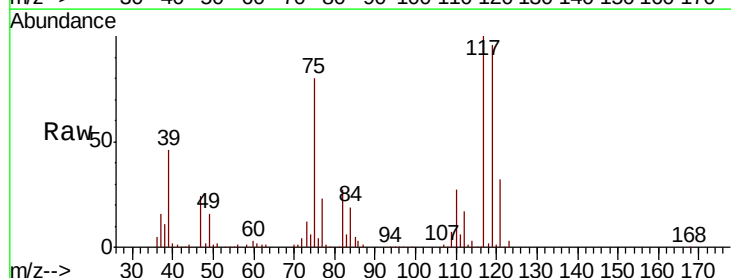
Tgt Ion: 117 Resp: 127219

Ion Ratio Lower Upper

117 100

119 95.5 74.5 111.7

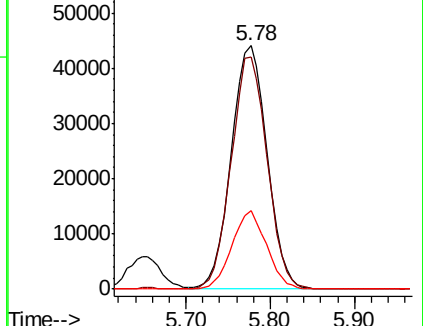
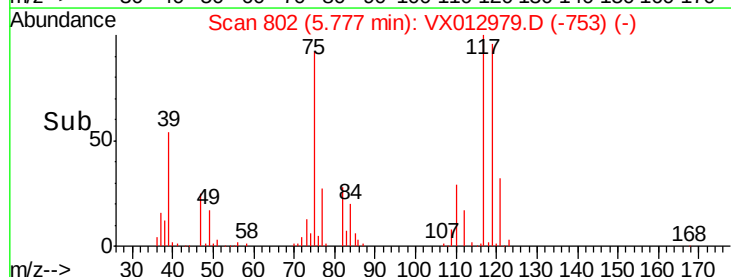
121 32.1 24.2 36.4

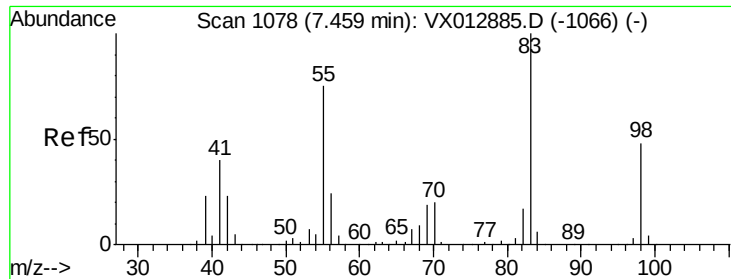


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

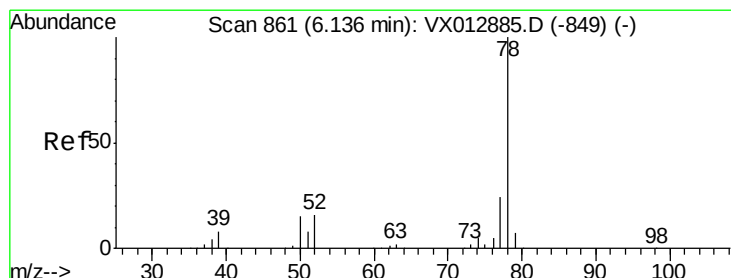
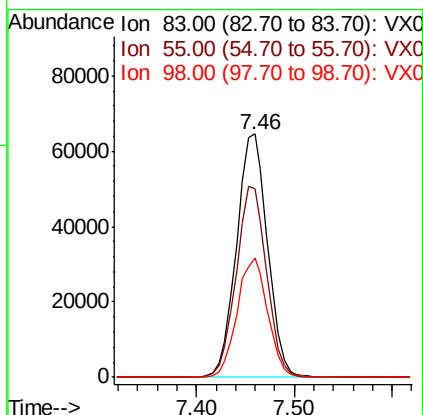
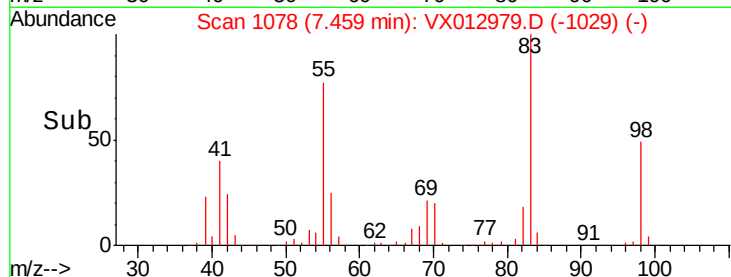
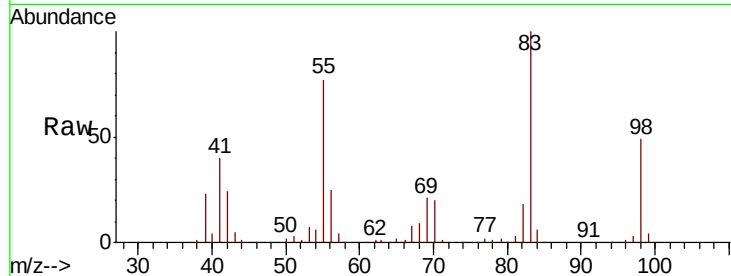




#39
Methylvlcyclohexane
Concen: 47.449 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012979.D
Acq: 10 Oct 2019 06:29

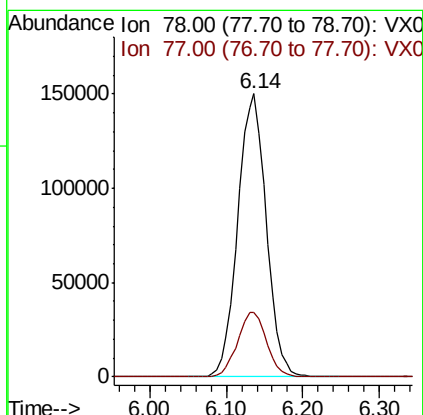
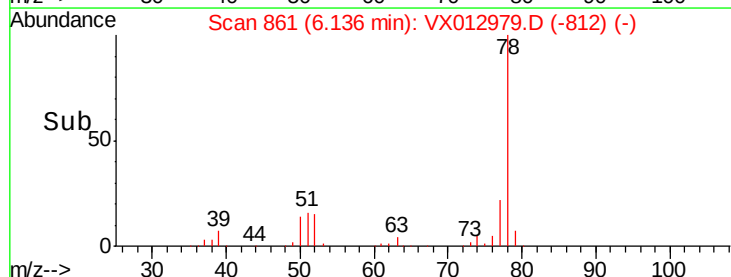
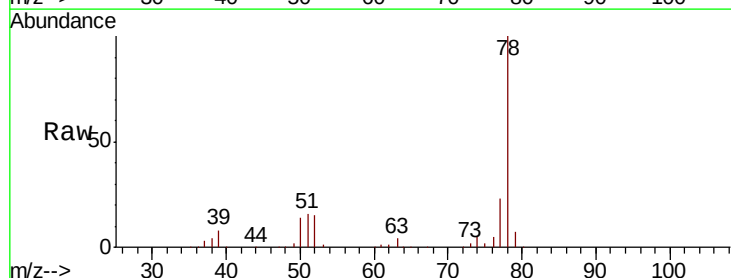
Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW0010MSD

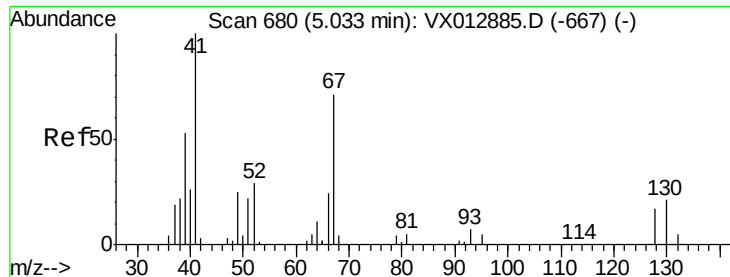
Tot Ion: 83 Resp: 141982
Ion Ratio Lower Upper
83 100
55 77.3 60.2 90.4
98 49.2 38.5 57.7



#40
Benzene
Concen: 53.223 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.00 min
Lab File: VX012979.D
Acq: 10 Oct 2019 06:29

Tgt Ion: 78 Resp: 387865
Ion Ratio Lower Upper
78 100
77 22.8 19.0 28.4





#41

Methacrylonitrile

Concen: 53.188 ug/l

RT: 5.03 min Scan# 680

Delta R.T. 0.00 min

Lab File: VX012979.D

Acq: 10 Oct 2019 06:29

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0010MSD

Tot Ion: 41 Resp: 80635

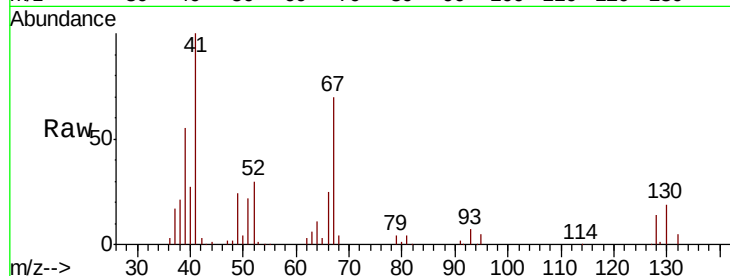
Ion Ratio Lower Upper

41 100

39 54.3 44.0 66.0

67 74.5 58.5 87.7

52 30.2 23.8 35.8

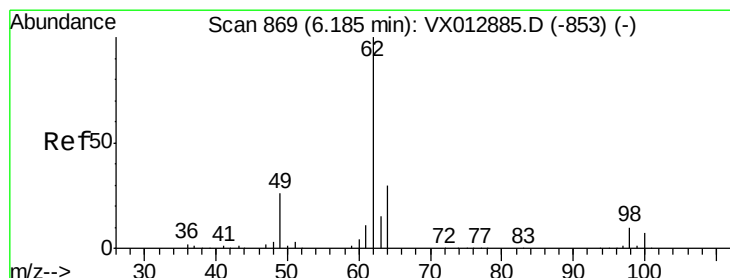
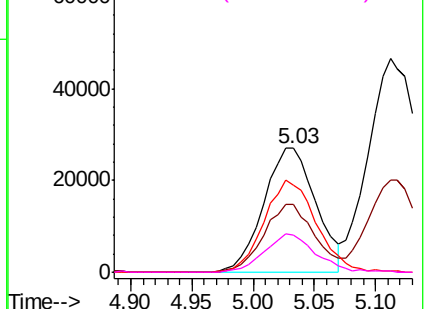
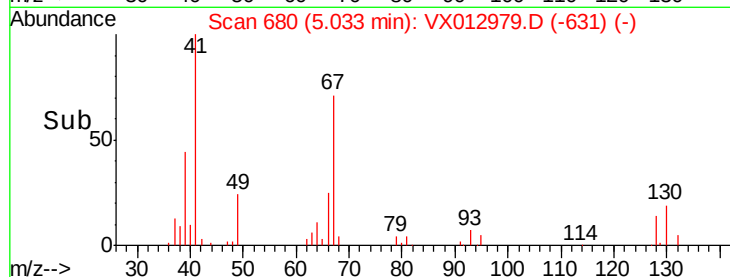


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 52.850 ug/l

RT: 6.19 min Scan# 869

Delta R.T. 0.00 min

Lab File: VX012979.D

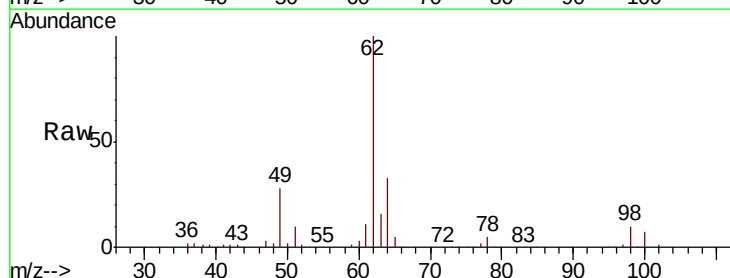
Acq: 10 Oct 2019 06:29

Tgt Ion: 62 Resp: 138200

Ion Ratio Lower Upper

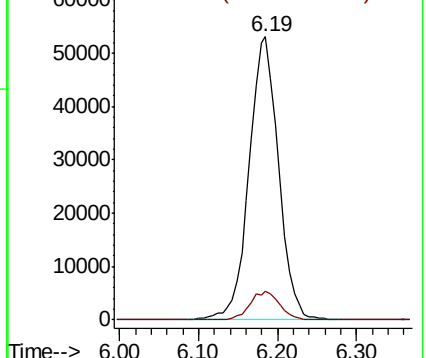
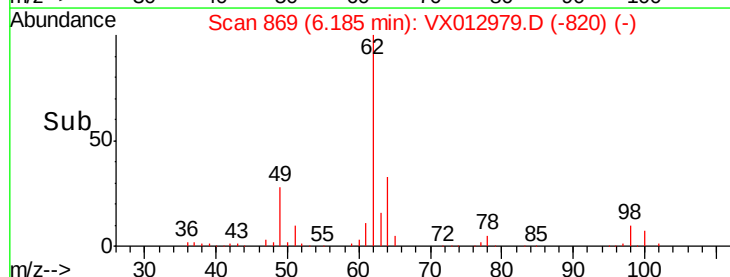
62 100

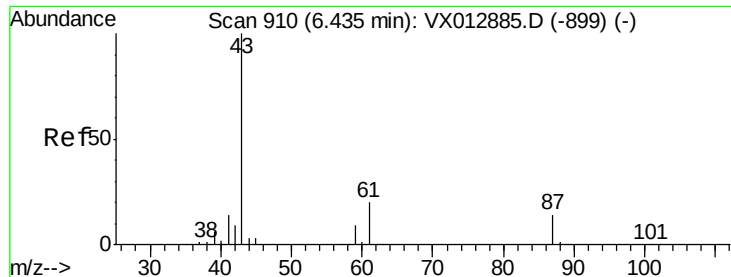
98 9.9 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 50.791 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX012979.D

Acq: 10 Oct 2019 06:29

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0010MSD

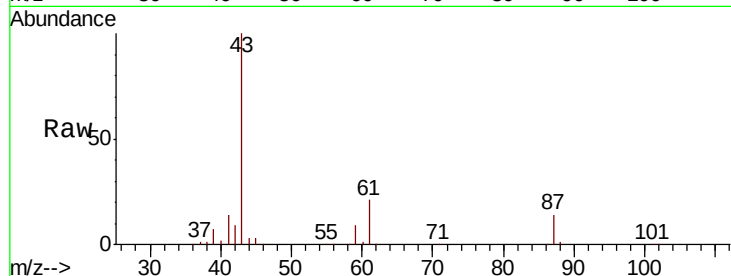
Tot Ion: 43 Resp: 224919

Ion Ratio Lower Upper

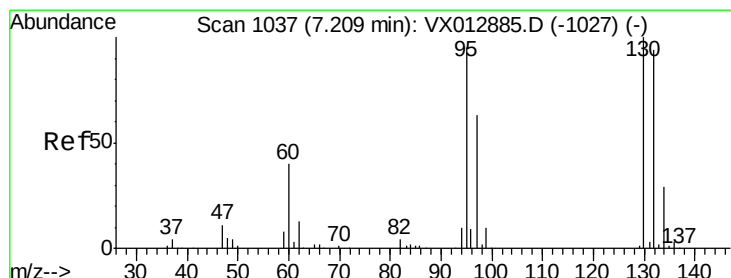
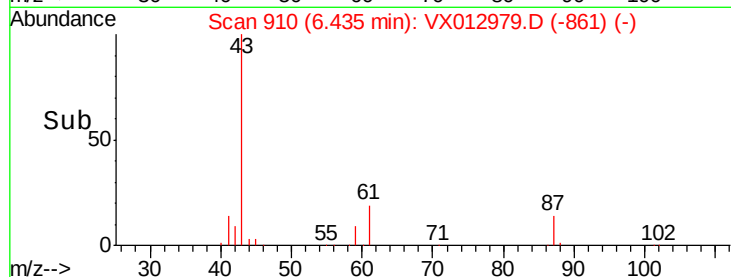
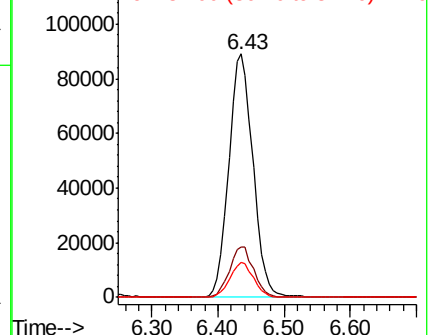
43 100

61 20.8 16.6 24.8

87 14.1 11.0 16.6



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: 50.693 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX012979.D

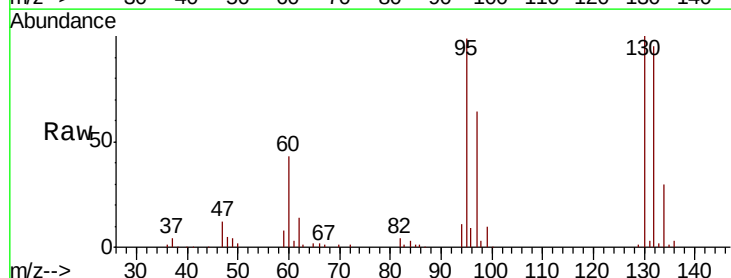
Acq: 10 Oct 2019 06:29

Tgt Ion:130 Resp: 102442

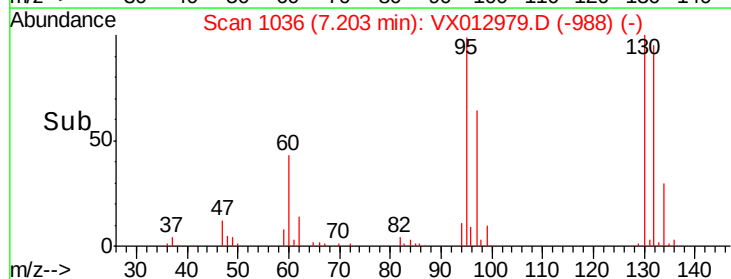
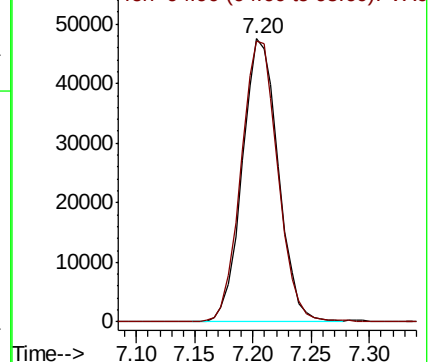
Ion Ratio Lower Upper

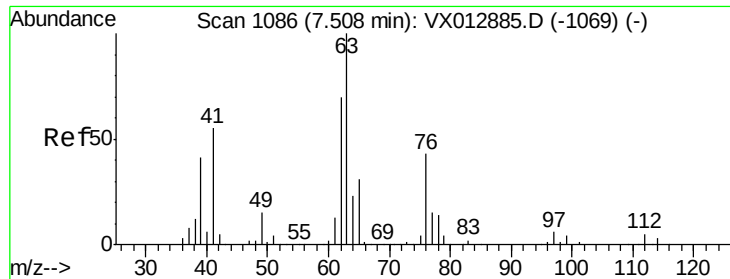
130 100

95 99.1 0.0 189.2



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

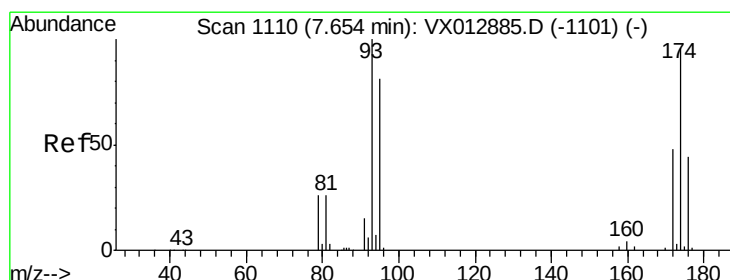
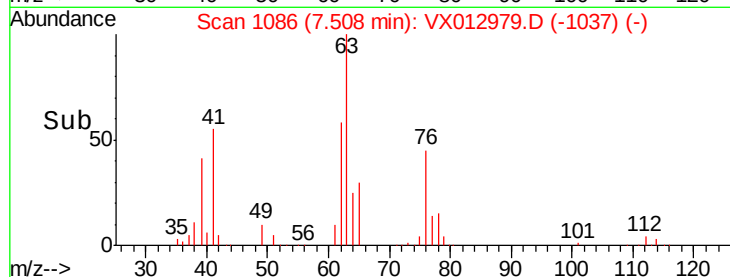
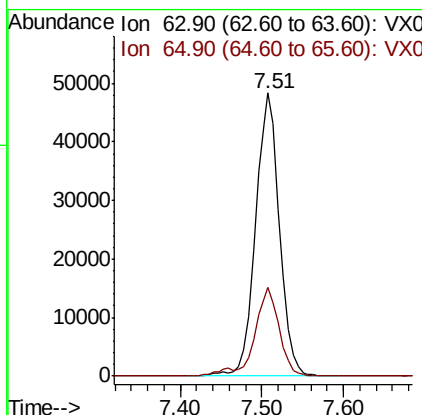
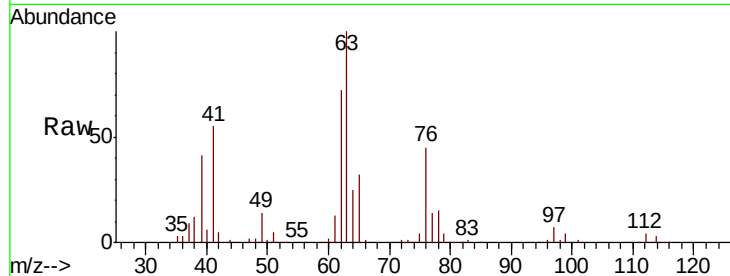




#45
 1,2-Dichloropropane
 Concen: 53.231 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX012979.D
 Acq: 10 Oct 2019 06:29

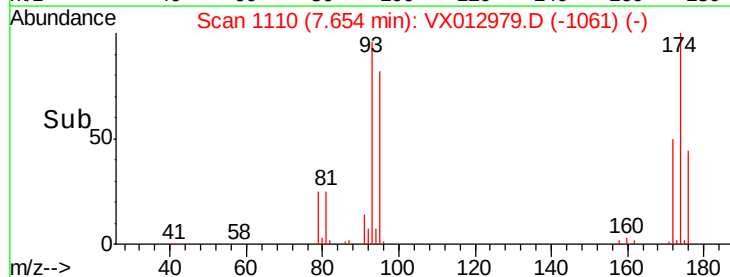
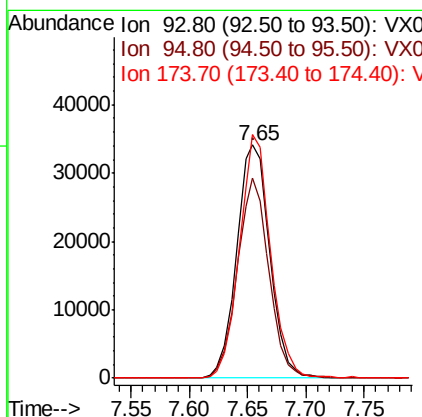
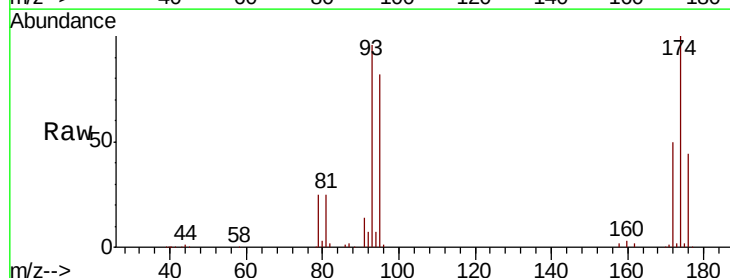
Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW0010MSD

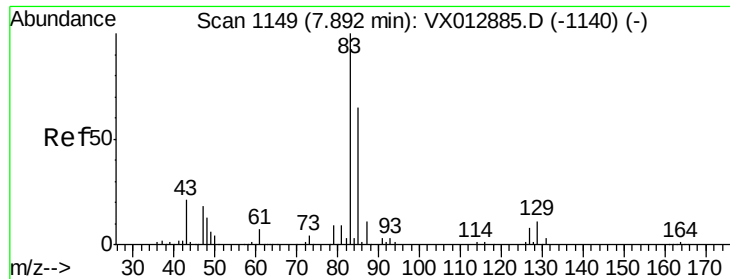
Tot Ion: 63 Resp: 98868
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.6 37.0



#46
 Dibromomethane
 Concen: 54.488 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX012979.D
 Acq: 10 Oct 2019 06:29

Tgt Ion: 93 Resp: 67427
 Ion Ratio Lower Upper
 93 100
 95 81.9 66.3 99.5
 174 98.3 77.8 116.6





#47

Bromodichloromethane

Concen: 55.168 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012979.D

Acq: 10 Oct 2019 06:29

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0010MSD

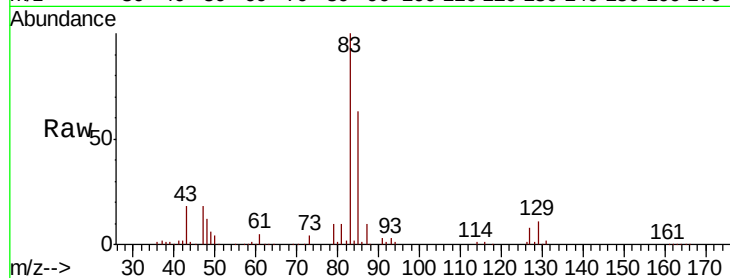
Tot Ion: 83 Resp: 133226

Ion Ratio Lower Upper

83 100

85 62.7 52.4 78.6

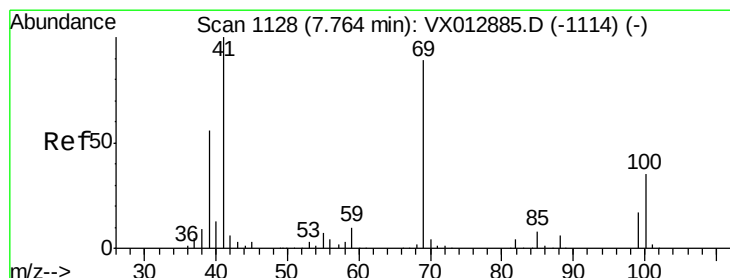
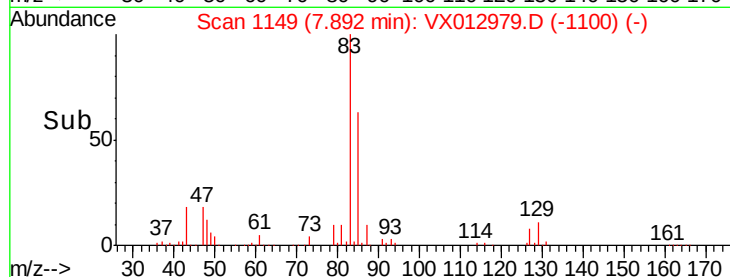
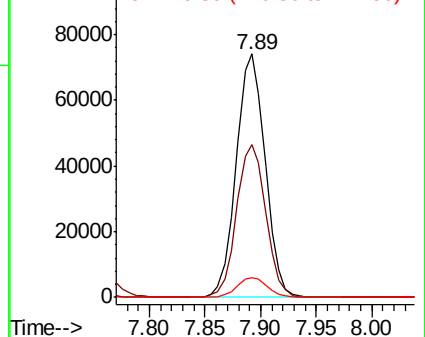
127 8.2 6.6 10.0



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: 53.175 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX012979.D

Acq: 10 Oct 2019 06:29

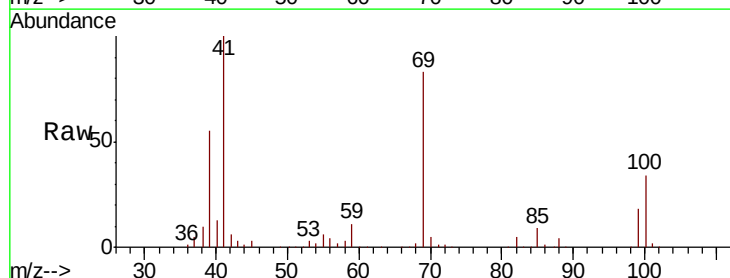
Tgt Ion: 41 Resp: 114749

Ion Ratio Lower Upper

41 100

69 84.5 68.7 103.1

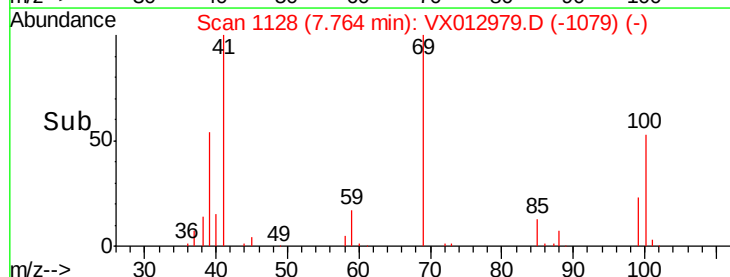
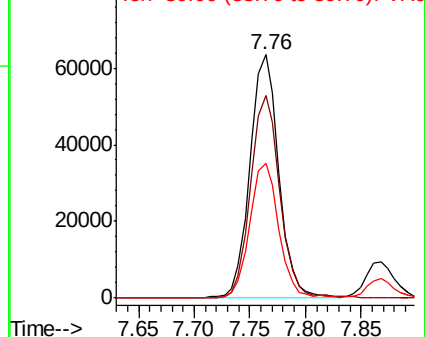
39 56.1 44.3 66.5

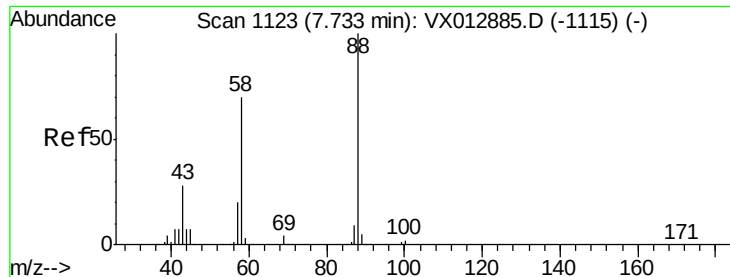


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

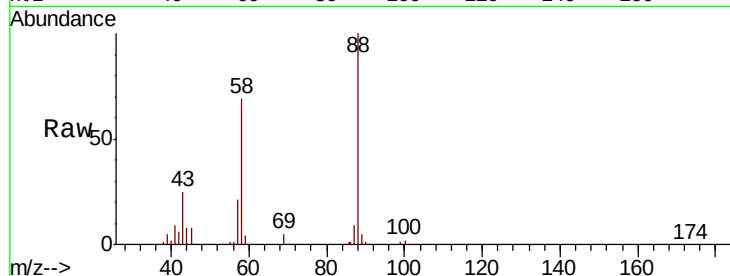




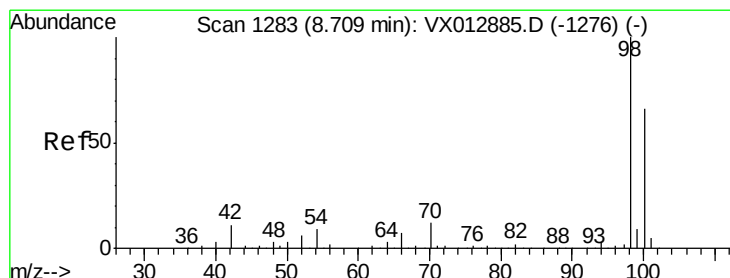
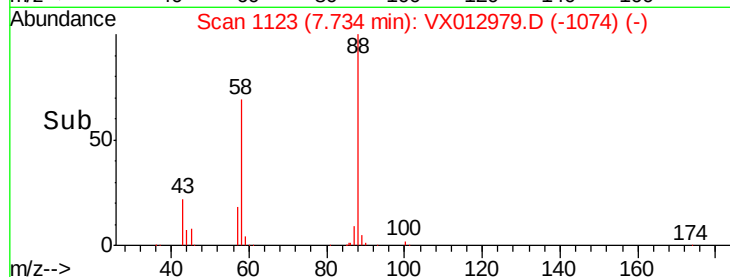
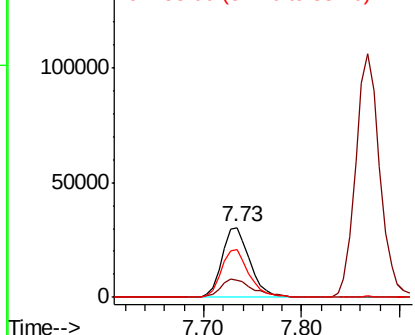
#49
1,4-Dioxane
Concen: 1027.488 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012979.D
Acq: 10 Oct 2019 06:29

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW0010MSD

Tot Ion: 88 Resp: 59560
Ion Ratio Lower Upper
88 100
43 30.6 25.0 37.6
58 70.1 55.4 83.2

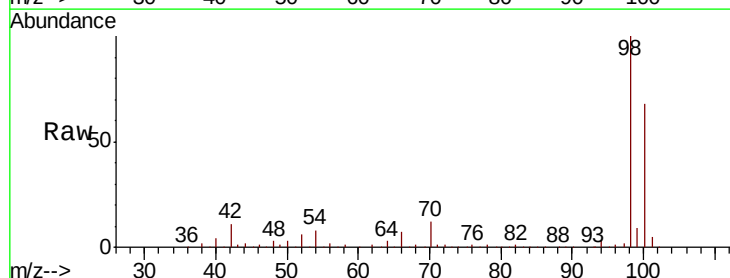


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

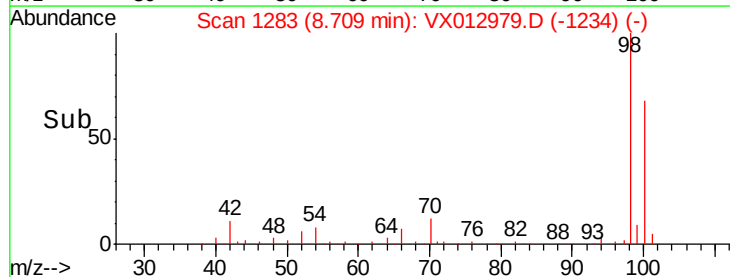
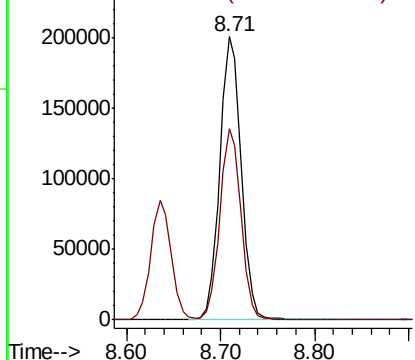


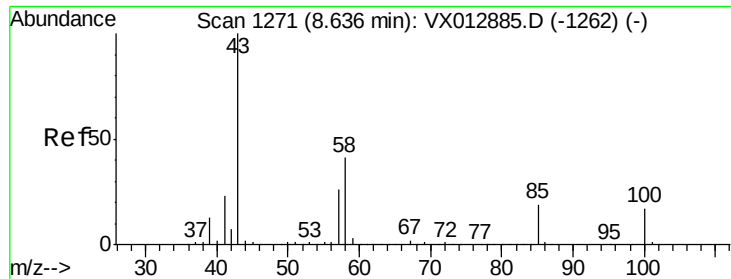
#50
Toluene-d8
Concen: 50.355 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012979.D
Acq: 10 Oct 2019 06:29

Tgt Ion: 98 Resp: 316337
Ion Ratio Lower Upper
98 100
100 67.3 53.4 80.2



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: 270.878 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012979.D

Acq: 10 Oct 2019 06:29

Instrument :

MSVOA_X

ClientSampleId :

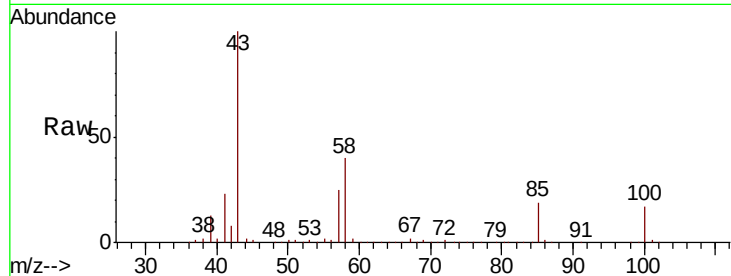
FA19-MMW0010MSD

Tot Ion: 43 Resp: 747881

Ion Ratio Lower Upper

43 100

58 40.7 32.4 48.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

500000

400000

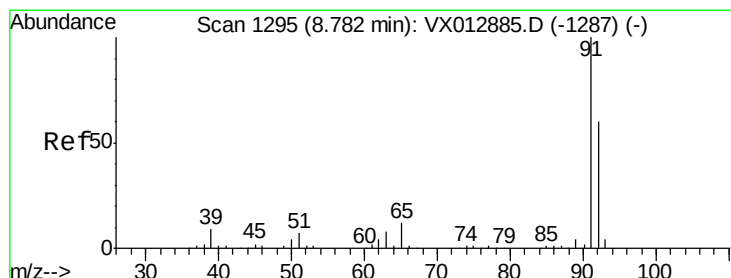
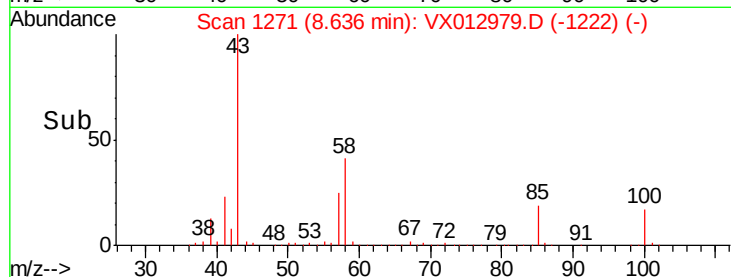
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 52.526 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012979.D

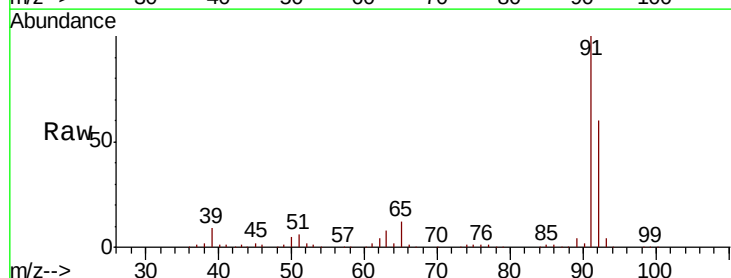
Acq: 10 Oct 2019 06:29

Tgt Ion: 92 Resp: 244885

Ion Ratio Lower Upper

92 100

91 169.0 135.9 203.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

300000

250000

200000

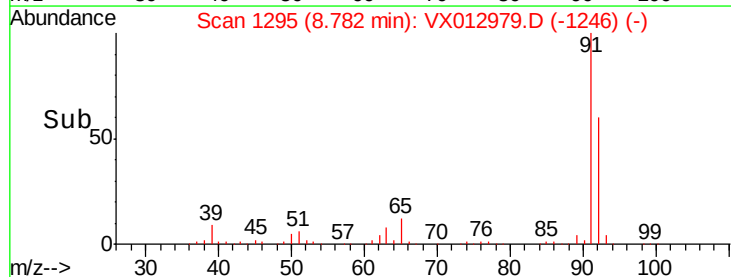
150000

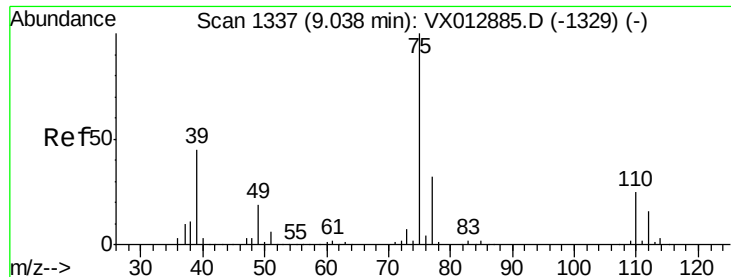
100000

50000

0

Time-->

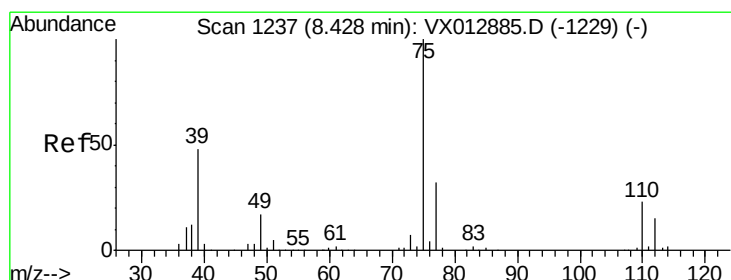
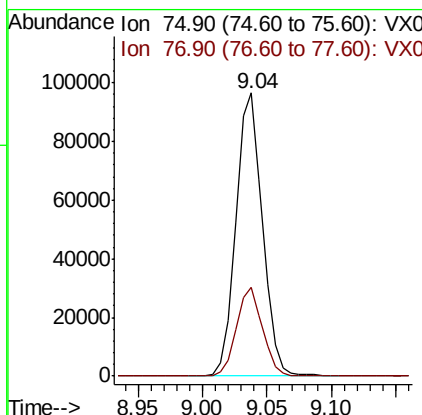
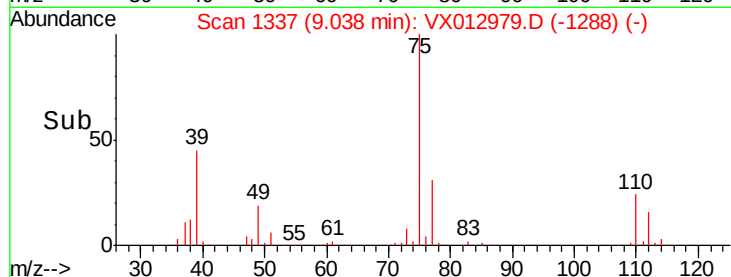
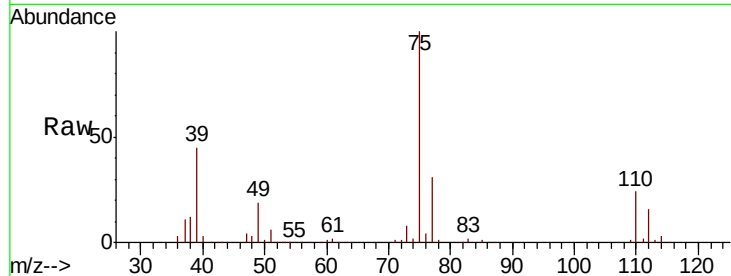




#53
 t-1,3-Dichloropropene
 Concen: 45.920 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VX012979.D
 Acq: 10 Oct 2019 06:29

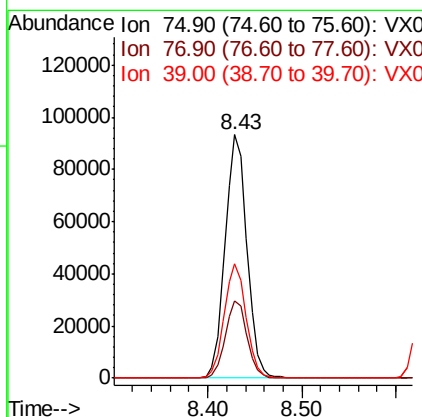
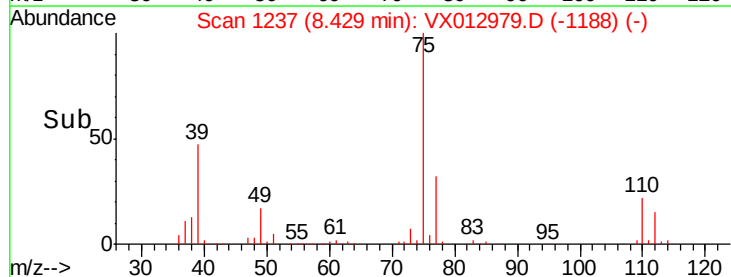
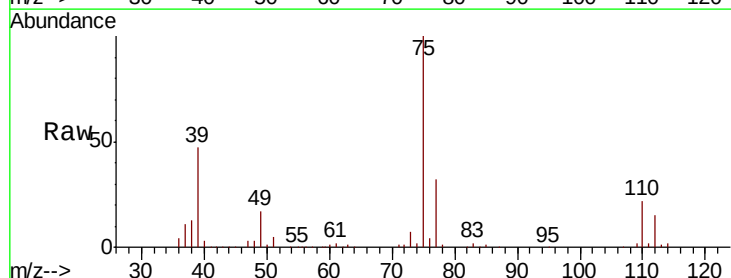
Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW0010MSD

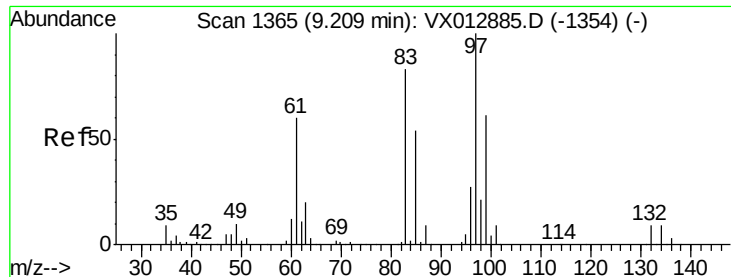
Tot Ion: 75 Resp: 137835
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.8 38.6



#54
 cis-1,3-Dichloropropene
 Concen: 50.531 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX012979.D
 Acq: 10 Oct 2019 06:29

Tgt Ion: 75 Resp: 150085
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.8 38.8
 39 46.9 38.2 57.2

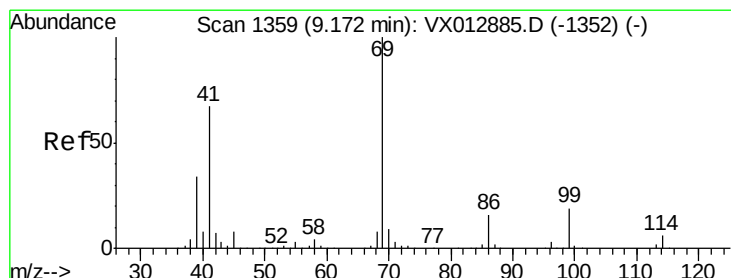
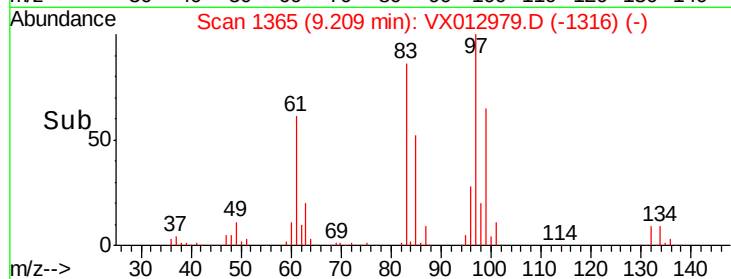
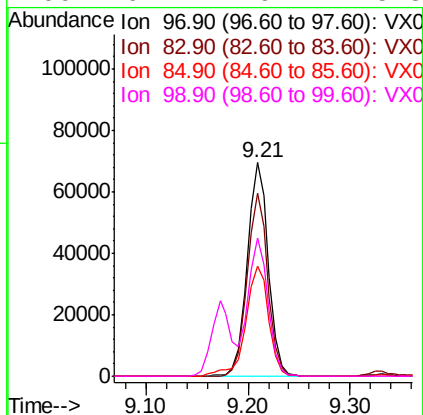
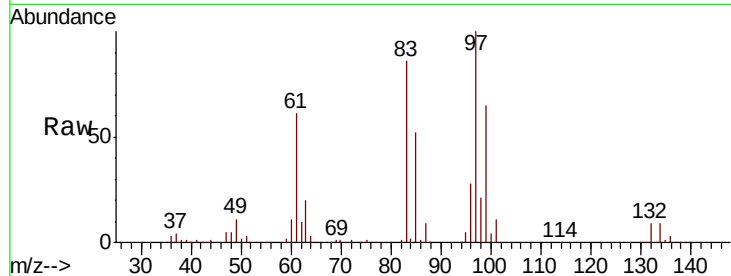




#55
 1,1,2-Trichloroethane
 Concen: 53.961 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012979.D
 Acq: 10 Oct 2019 06:29

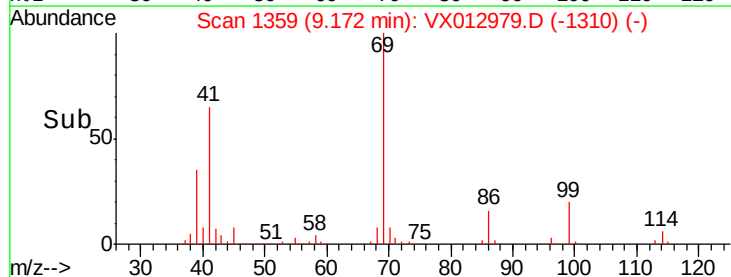
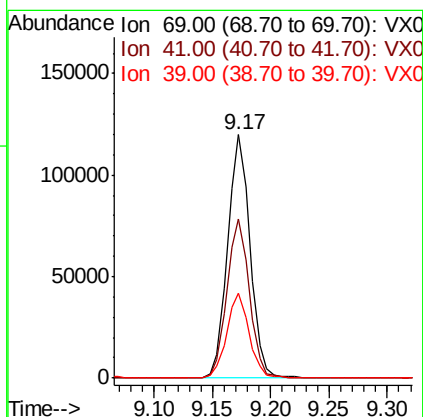
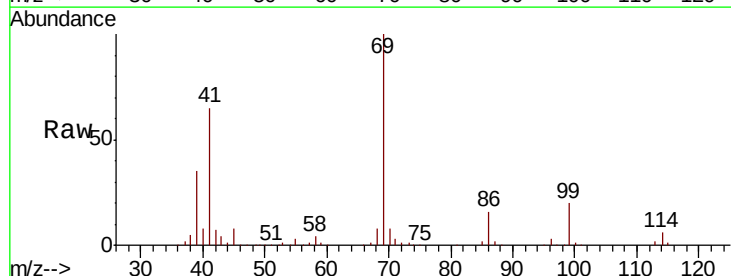
Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW0010MSD

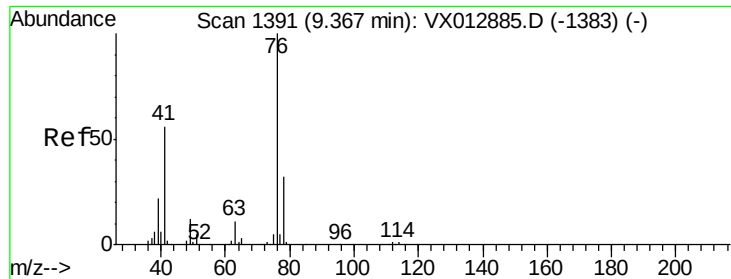
Tot Ion:	97	Resp:	99561
Ion	Ratio	Lower	Upper
97	100		
83	85.6	66.5	99.7
85	51.8	43.1	64.7
99	64.7	49.2	73.8



#56
 Ethyl methacrylate
 Concen: 48.631 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012979.D
 Acq: 10 Oct 2019 06:29

Tgt Ion:	69	Resp:	160500
Ion	Ratio	Lower	Upper
69	100		
41	65.4	52.1	78.1
39	35.0	27.8	41.8

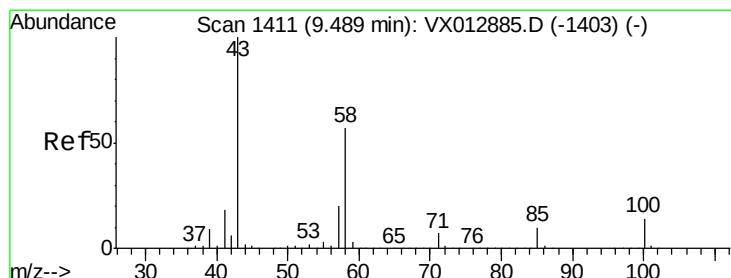
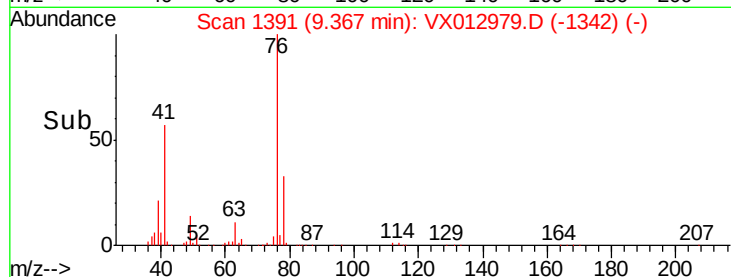
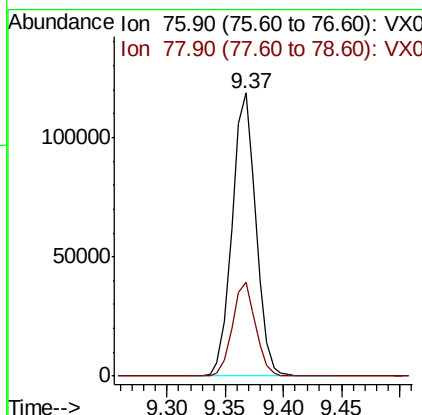
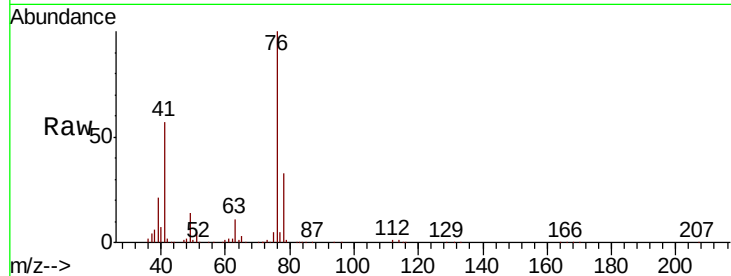




#57
 1,3-Dichloropropane
 Concen: 53.059 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX012979.D
 Acq: 10 Oct 2019 06:29

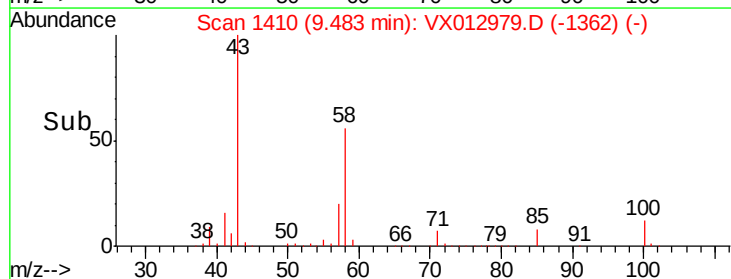
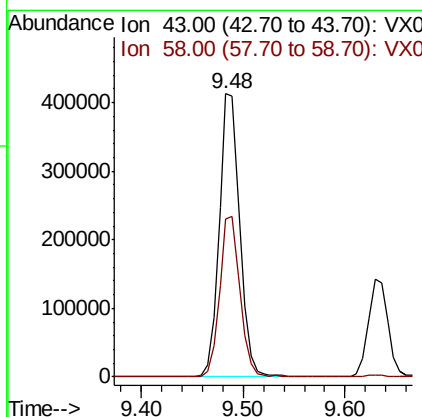
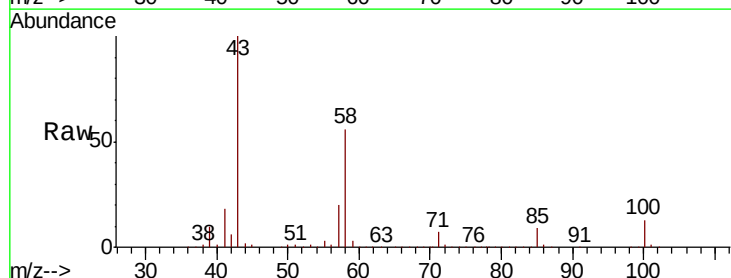
Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW0010MSD

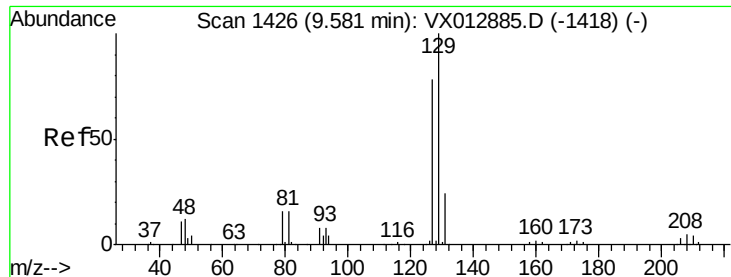
Tot Ion: 76 Resp: 169341
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.1 39.1



#59
 2-Hexanone
 Concen: 270.943 ug/l
 RT: 9.48 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: VX012979.D
 Acq: 10 Oct 2019 06:29

Tgt Ion: 43 Resp: 582317
 Ion Ratio Lower Upper
 43 100
 58 56.2 28.1 84.3





#60

Dibromochloromethane

Concen: 48.461 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. -0.01 min

Lab File: VX012979.D

Acq: 10 Oct 2019 06:29

Instrument :

MSVOA_X

ClientSampleId :

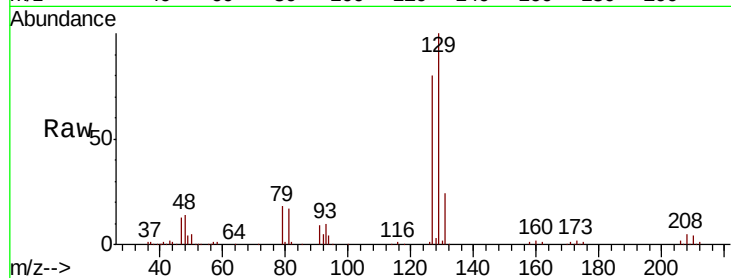
FA19-MMW0010MSD

Tot Ion:129 Resp: 99378

Ion Ratio Lower Upper

129 100

127 78.1 38.9 116.7



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.57

60000

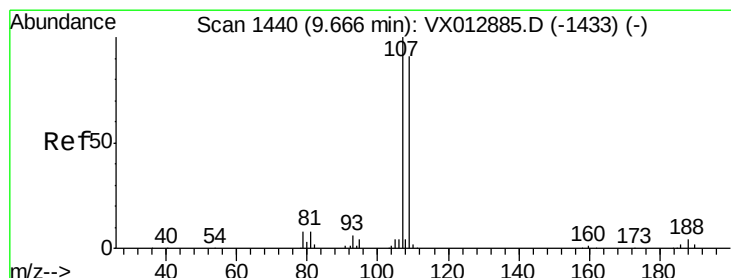
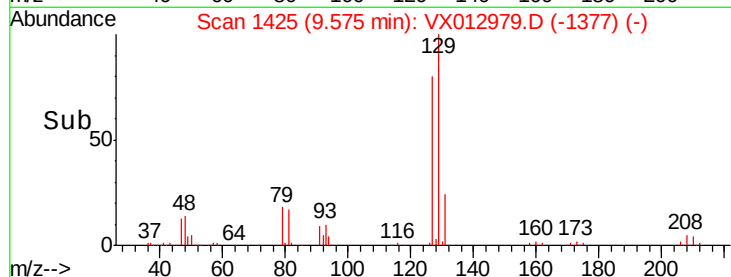
40000

20000

0

9.50 9.55 9.60 9.65

Time-->



#61

1,2-Dibromoethane

Concen: 53.658 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012979.D

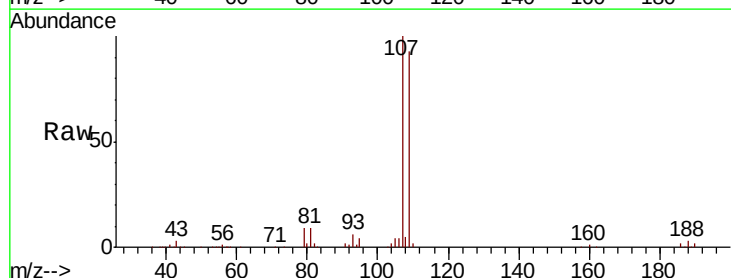
Acq: 10 Oct 2019 06:29

Tgt Ion:107 Resp: 104144

Ion Ratio Lower Upper

107 100

109 94.3 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

60000

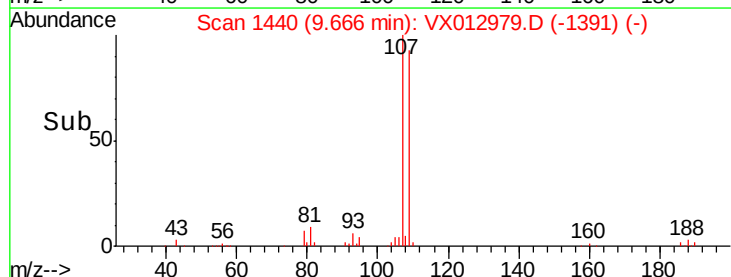
40000

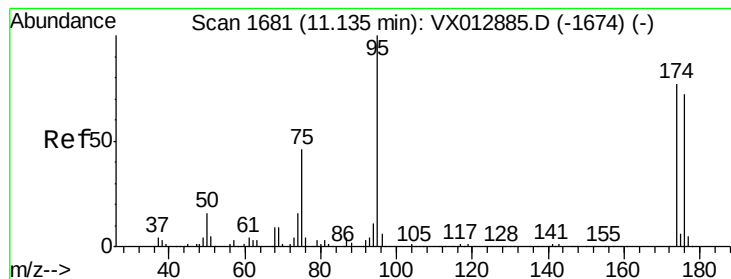
20000

0

9.60 9.65 9.70 9.75 9.80

Time-->





#62

4-Bromofluorobenzene

Concen: 49.555 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012979.D

Acq: 10 Oct 2019 06:29

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0010MSD

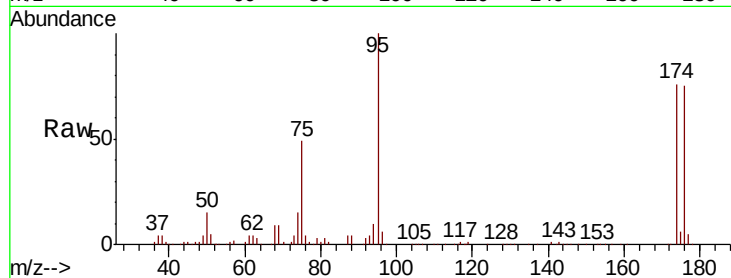
Tot Ion: 95 Resp: 120964

Ion Ratio Lower Upper

95 100

174 71.9 0.0 143.4

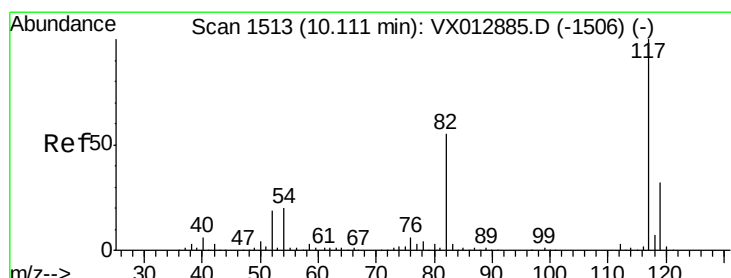
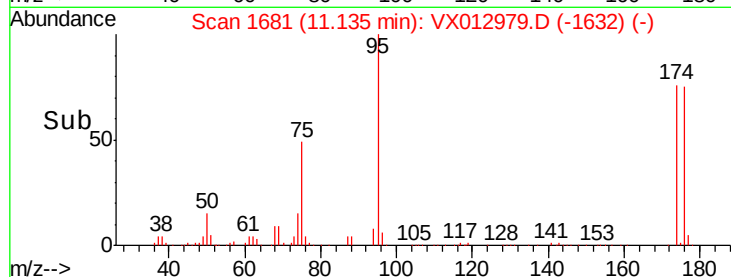
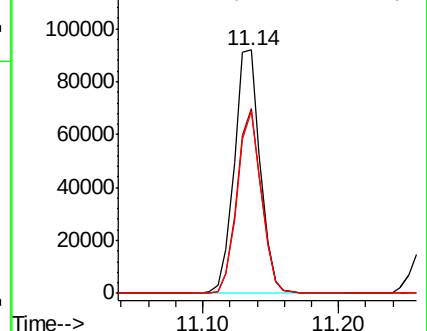
176 70.2 0.0 136.0



Abundance Ion 94.90 (94.60 to 95.60): VX012885.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX012885.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX012885.D (-1674) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012979.D

Acq: 10 Oct 2019 06:29

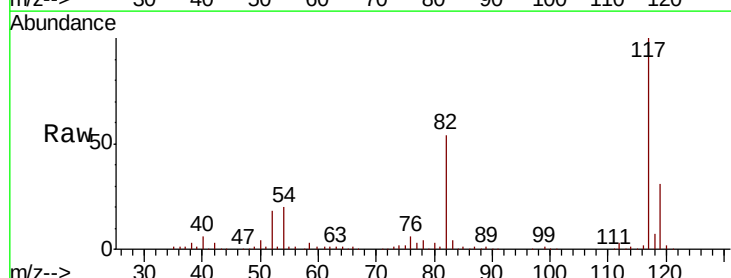
Tgt Ion: 117 Resp: 250667

Ion Ratio Lower Upper

117 100

82 54.0 44.1 66.1

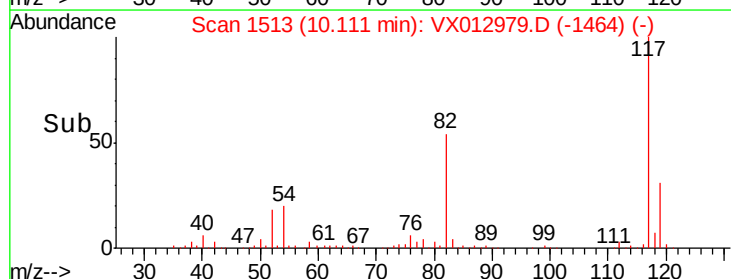
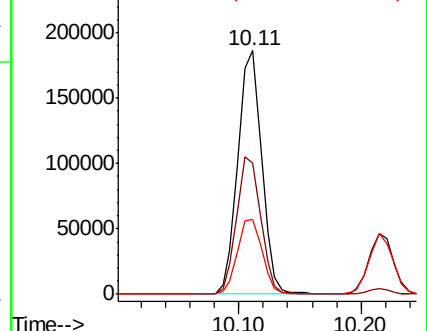
119 30.8 25.8 38.8

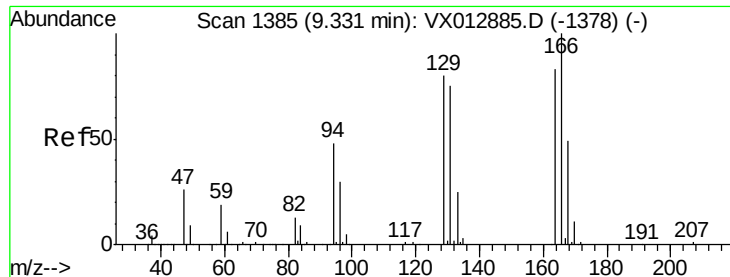


Abundance Ion 116.90 (116.60 to 117.60): VX012885.D (-1506) (-)

Ion 82.00 (81.70 to 82.70): VX012885.D (-1506) (-)

Ion 118.90 (118.60 to 119.60): VX012885.D (-1506) (-)





#64

Tetrachloroethene

Concen: 53.725 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX012979.D

Acq: 10 Oct 2019 06:29

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0010MSD

Tot Ion:164 Resp: 93407

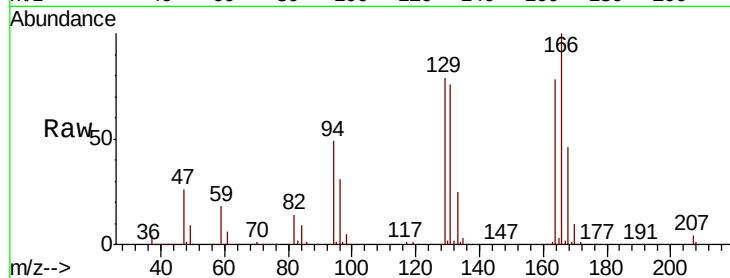
Ion Ratio Lower Upper

164 100

166 128.6 96.9 145.3

129 102.1 77.9 116.9

131 97.3 72.7 109.1

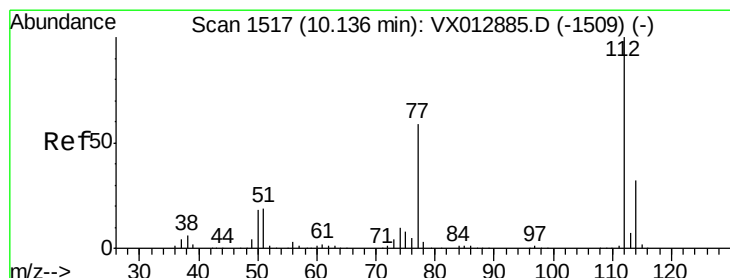
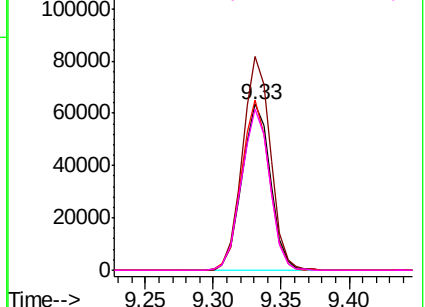
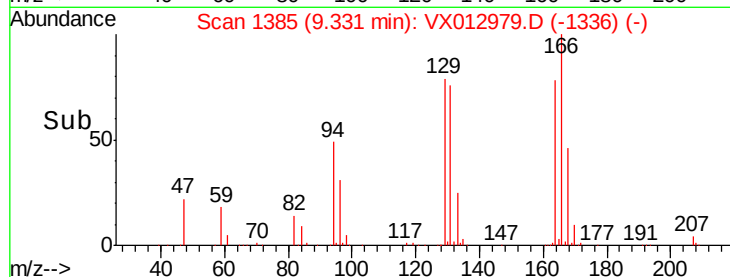


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 51.356 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX012979.D

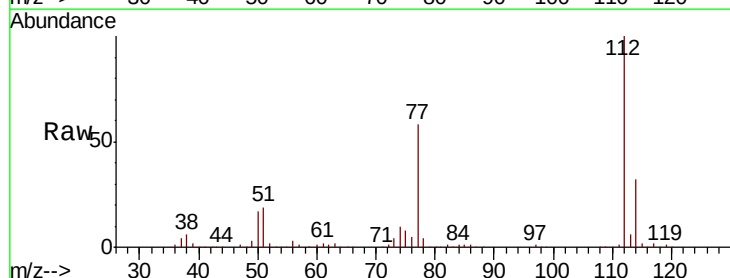
Acq: 10 Oct 2019 06:29

Tgt Ion:112 Resp: 255642

Ion Ratio Lower Upper

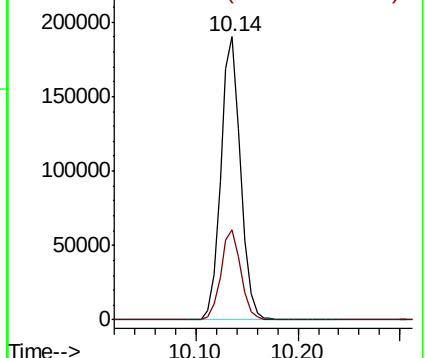
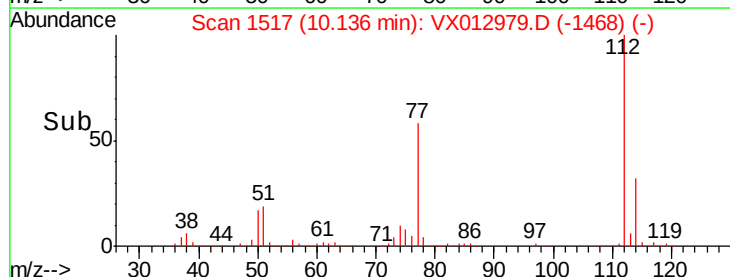
112 100

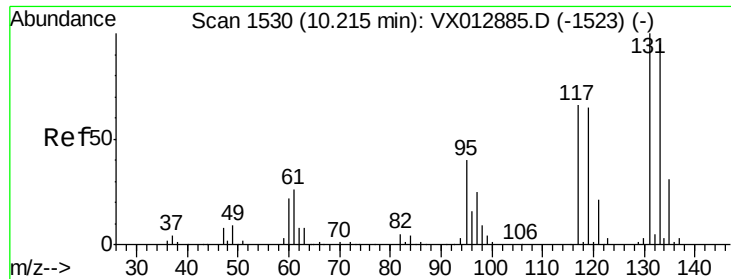
114 31.7 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

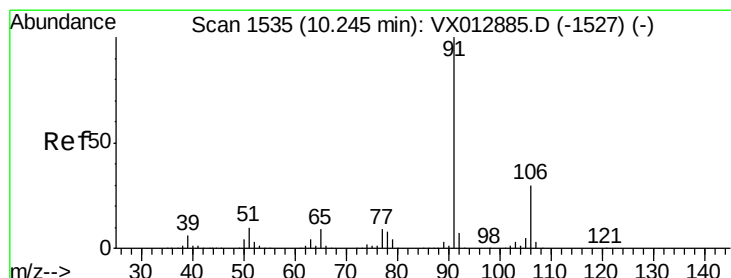
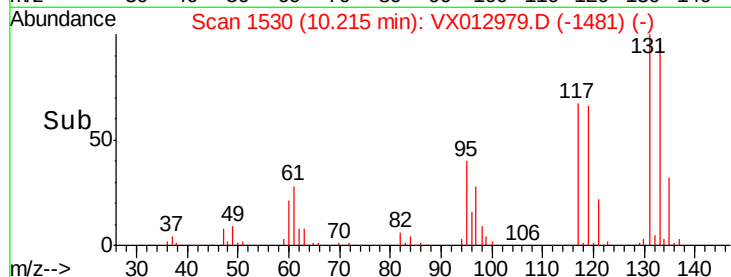
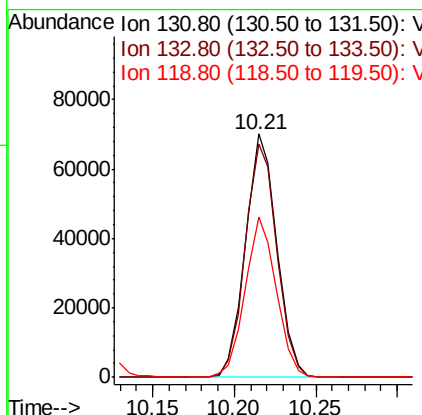
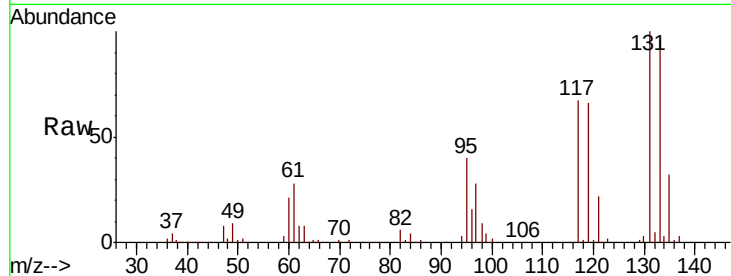




#66
 1,1,1,2-Tetrachloroethane
 Concen: 54.583 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VX012979.D
 Acq: 10 Oct 2019 06:29

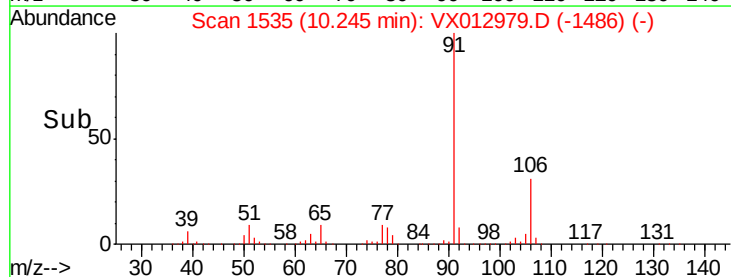
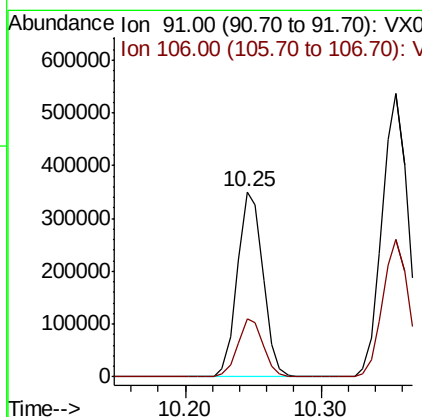
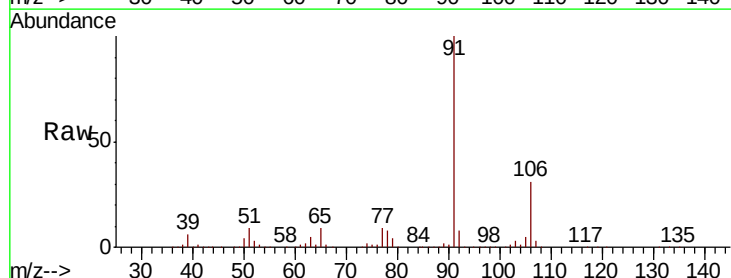
Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW0010MSD

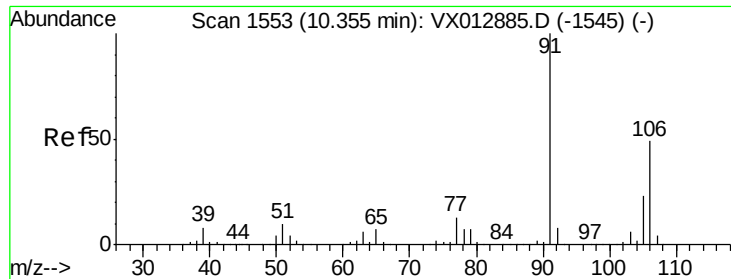
Tot Ion:131 Resp: 94207
 Ion Ratio Lower Upper
 131 100
 133 96.8 47.2 141.6
 119 65.5 32.6 98.0



#67
 Ethyl Benzene
 Concen: 52.216 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VX012979.D
 Acq: 10 Oct 2019 06:29

Tgt Ion: 91 Resp: 461703
 Ion Ratio Lower Upper
 91 100
 106 31.1 23.9 35.9

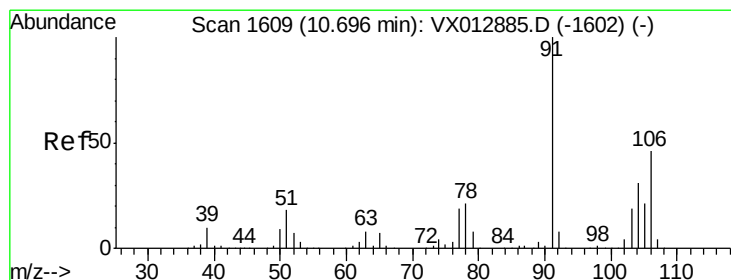
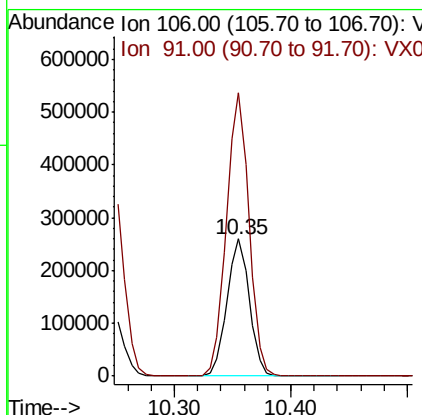
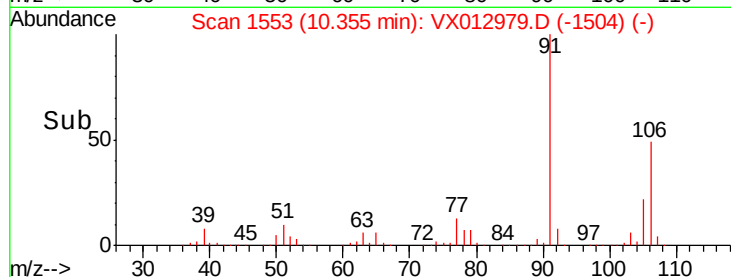
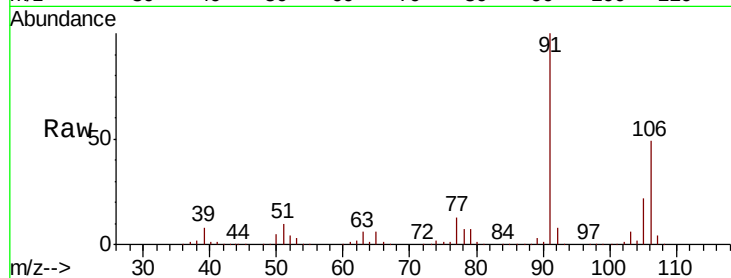




#68
m/p-Xylenes
Concen: 105.591 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012979.D
Acq: 10 Oct 2019 06:29

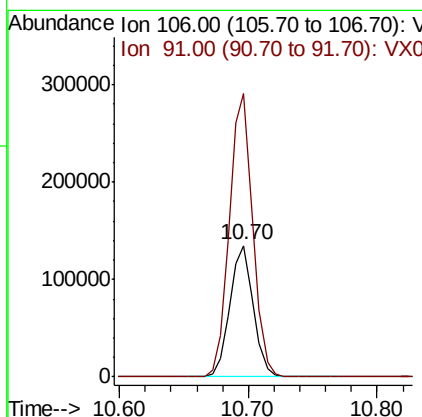
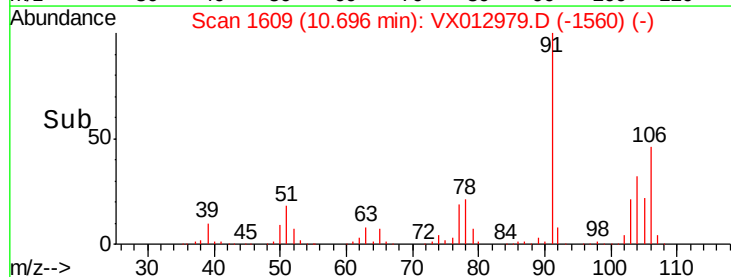
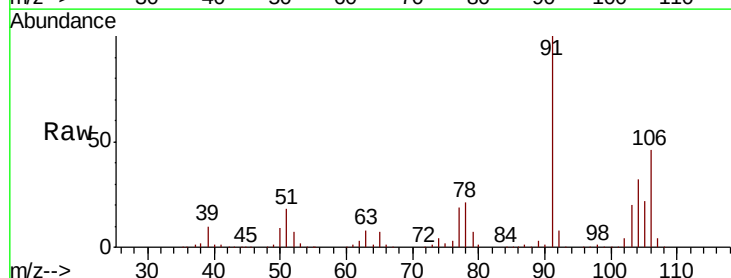
Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW0010MSD

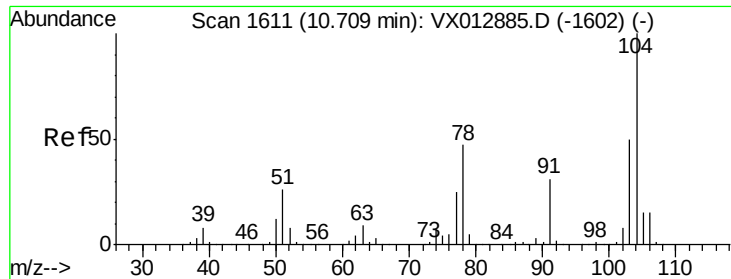
Tot Ion:106 Resp: 348792
Ion Ratio Lower Upper
106 100
91 207.0 165.3 247.9



#69
o-Xylene
Concen: 53.356 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012979.D
Acq: 10 Oct 2019 06:29

Tgt Ion:106 Resp: 171873
Ion Ratio Lower Upper
106 100
91 216.0 109.1 327.3

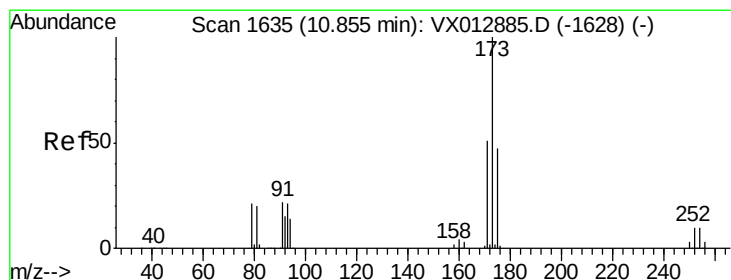
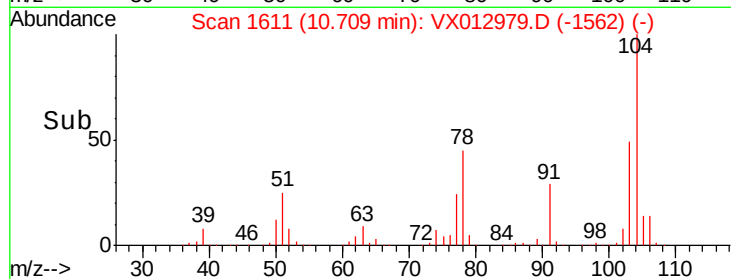
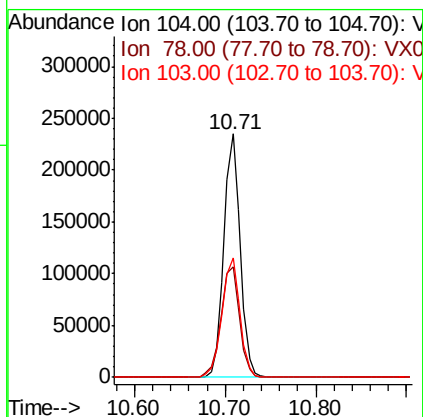
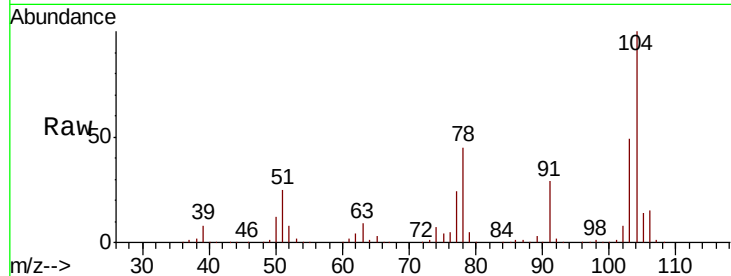




#70
Stvrene
Concen: 54.018 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012979.D
Acq: 10 Oct 2019 06:29

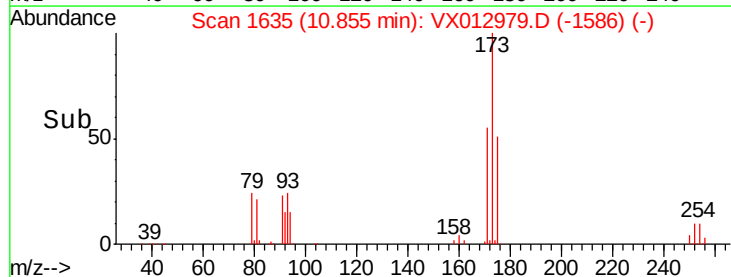
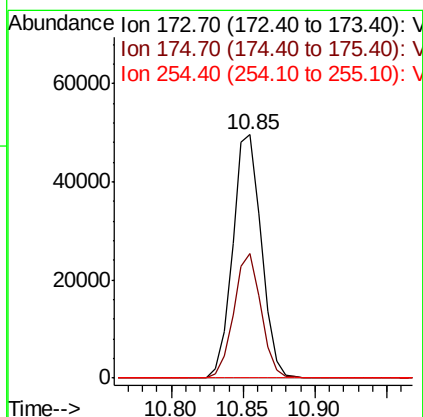
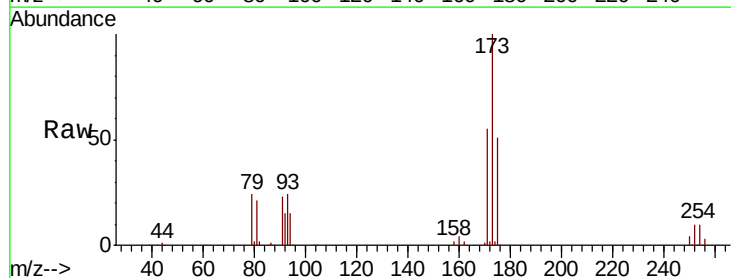
Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW0010MSD

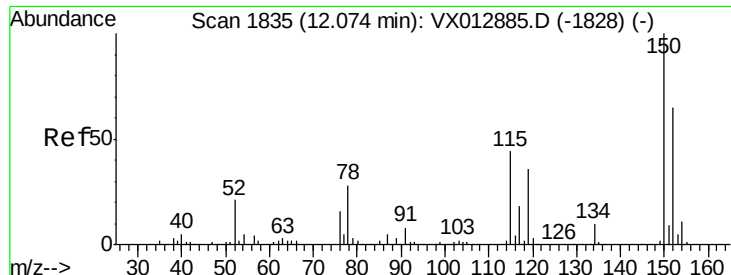
Tot Ion:104 Resp: 295814
Ion Ratio Lower Upper
104 100
78 51.9 41.2 61.8
103 53.6 43.0 64.4



#71
Bromoform
Concen: 47.151 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX012979.D
Acq: 10 Oct 2019 06:29

Tgt Ion:173 Resp: 69047
Ion Ratio Lower Upper
173 100
175 48.7 24.1 72.3
254 0.1 0.1 0.1



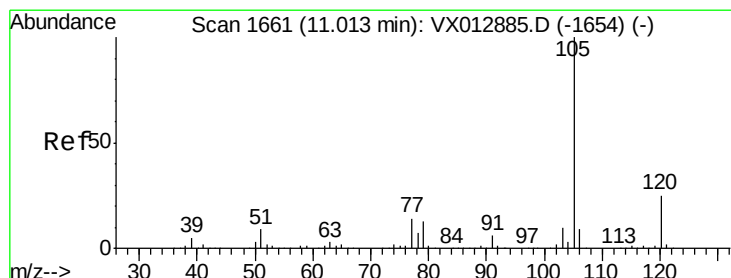
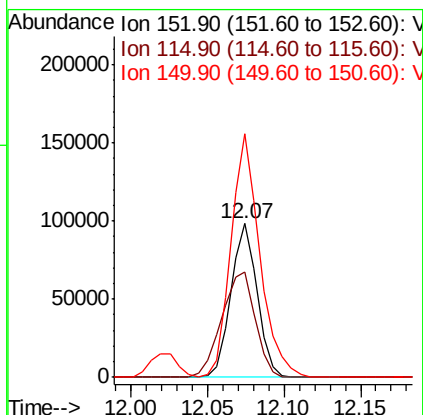
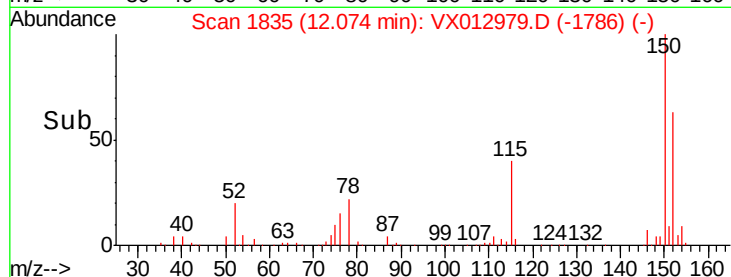
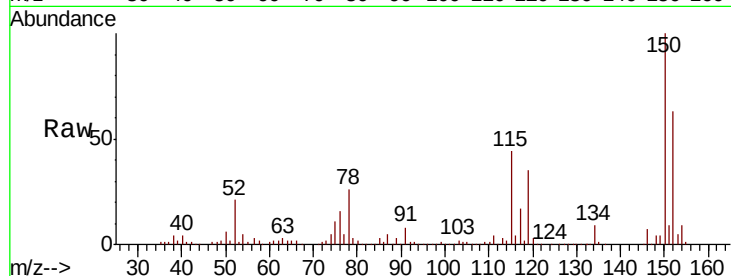


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012979.D
Acq: 10 Oct 2019 06:29

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW0010MSD

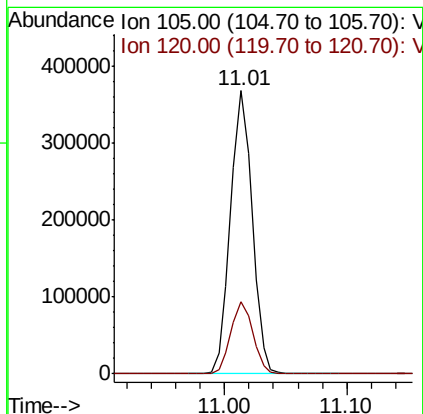
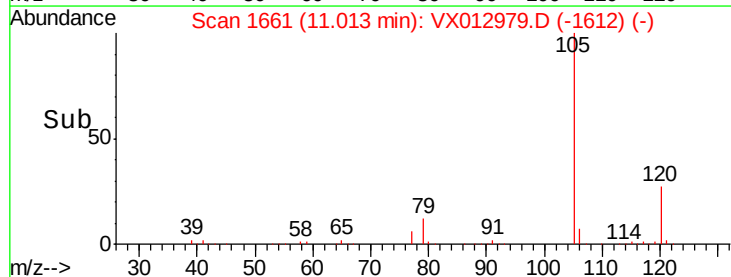
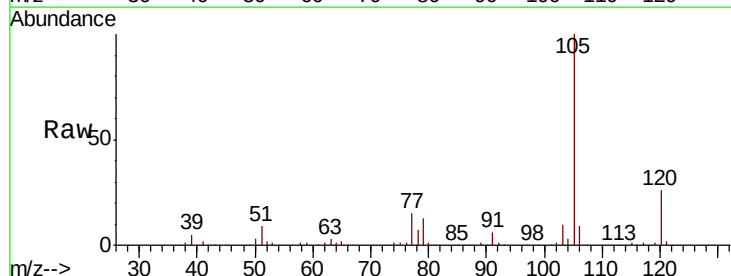
Tot Ion:152 Resp: 116026
Ion Ratio Lower Upper
152 100
115 88.6 44.5 133.5
150 174.5 0.0 353.4

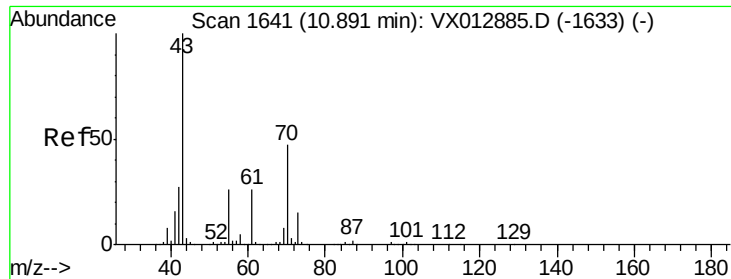


#73

Isopropylbenzene
Concen: 52.890 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX012979.D
Acq: 10 Oct 2019 06:29

Tgt Ion:105 Resp: 451179
Ion Ratio Lower Upper
105 100
120 26.0 13.0 39.0





#74

N-amvl acetate

Concen: 51.246 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012979.D

Acq: 10 Oct 2019 06:29

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0010MSD

Tot Ion: 43 Resp: 188272

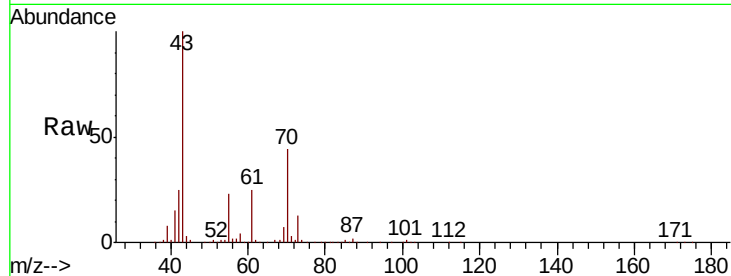
Ion Ratio Lower Upper

43 100

70 44.1 36.4 54.6

55 24.4 20.2 30.2

61 25.1 20.5 30.7

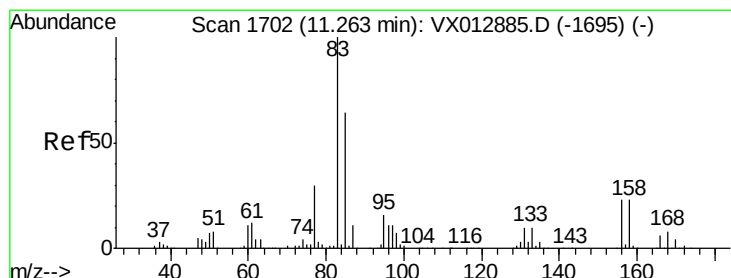
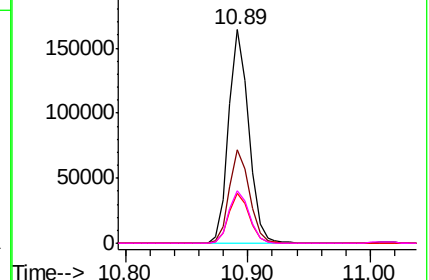
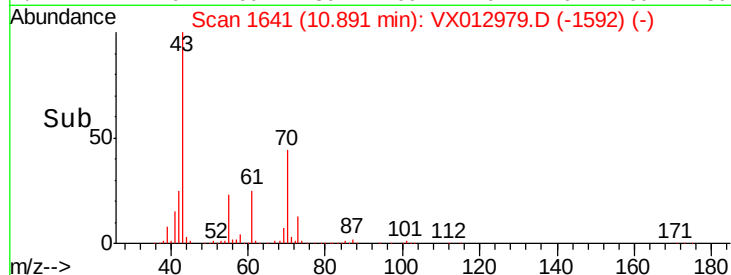


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 55.439 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012979.D

Acq: 10 Oct 2019 06:29

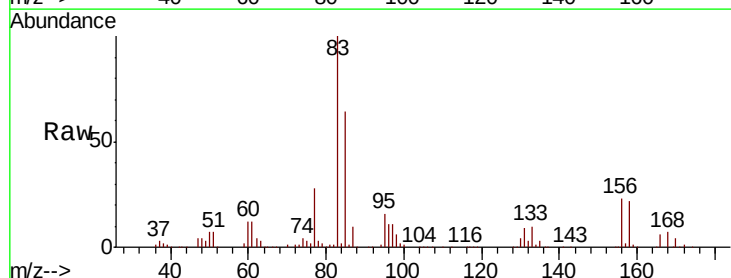
Tgt Ion: 83 Resp: 157293

Ion Ratio Lower Upper

83 100

131 9.8 5.1 15.3

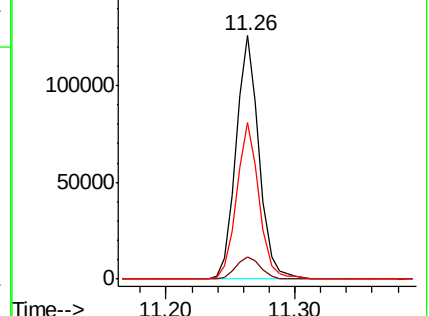
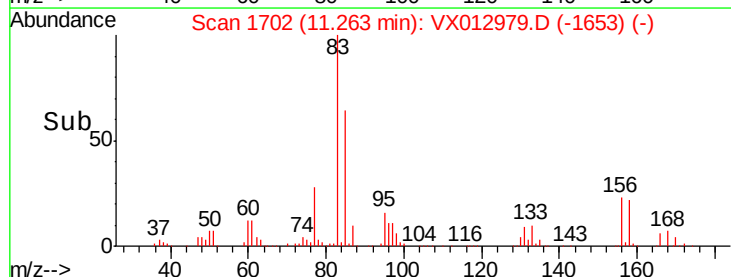
85 63.1 32.1 96.5

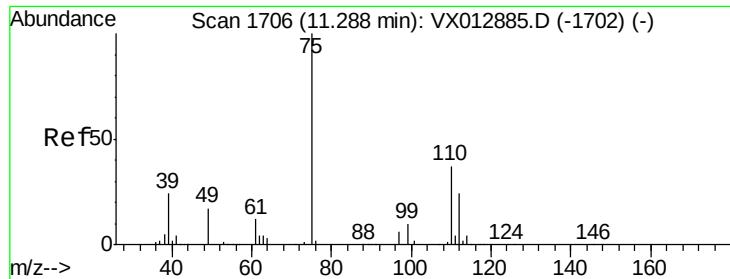


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

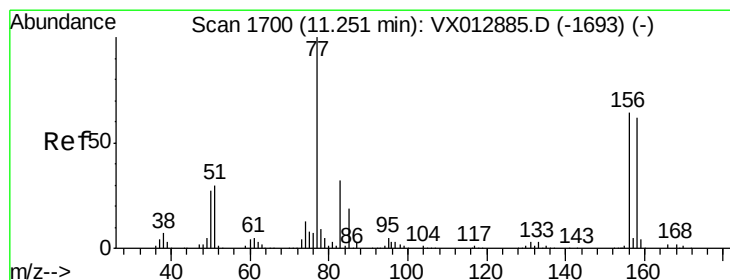
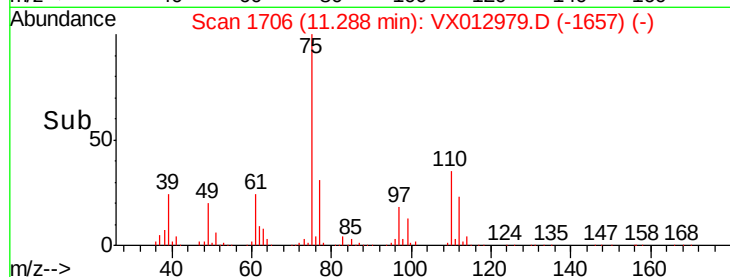
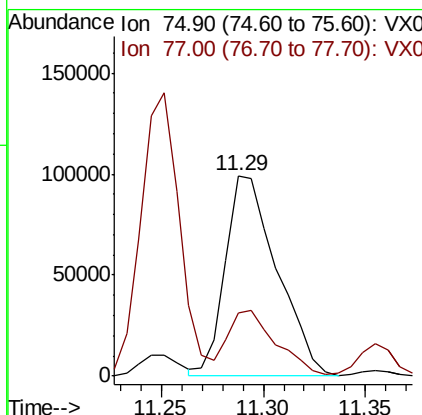
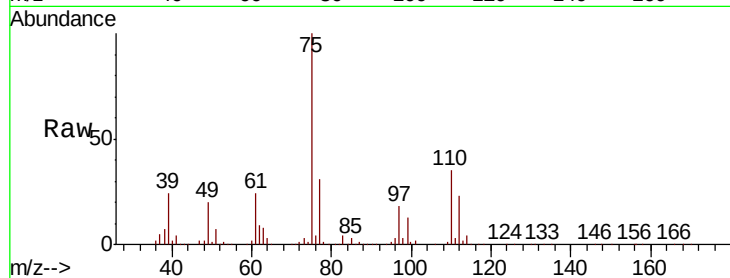




#76
 1,2,3-Trichloropropane
 Concen: 68.078 ug/l
 RT: 11.29 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VX012979.D
 Acq: 10 Oct 2019 06:29

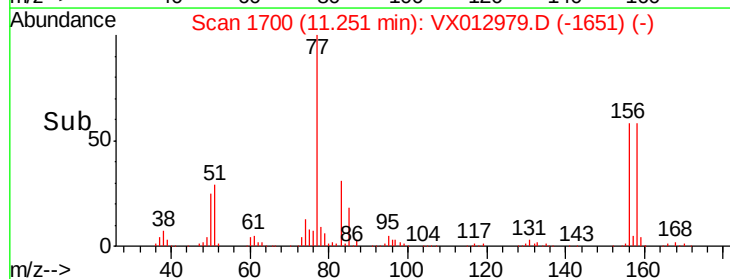
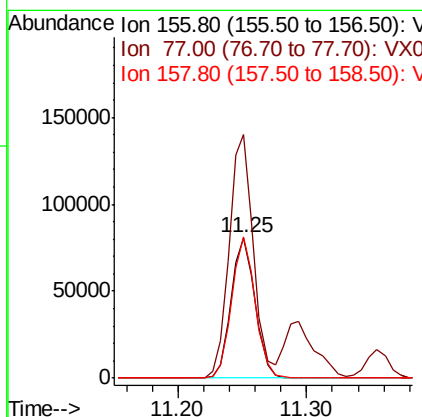
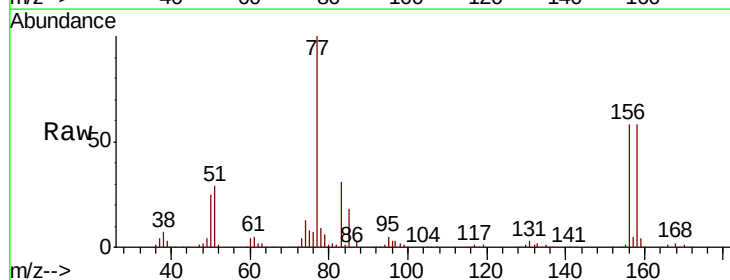
Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW0010MSD

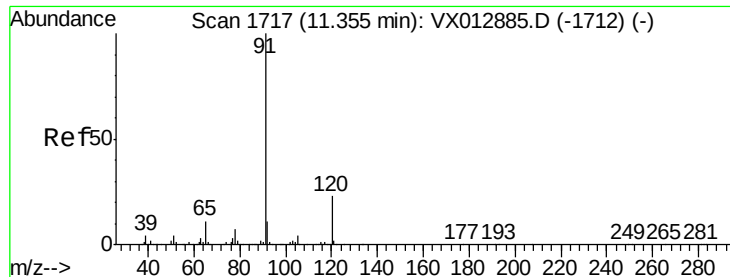
Tot Ion: 75 Resp: 175194
 Ion Ratio Lower Upper
 75 100
 77 30.0 22.9 68.8



#77
 Bromobenzene
 Concen: 52.421 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VX012979.D
 Acq: 10 Oct 2019 06:29

Tgt Ion: 156 Resp: 105376
 Ion Ratio Lower Upper
 156 100
 77 175.5 83.7 251.0
 158 98.0 48.6 145.9





#78

n-propylbenzene

Concen: 52.581 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012979.D

Acq: 10 Oct 2019 06:29

Instrument :

MSVOA_X

ClientSampleId :

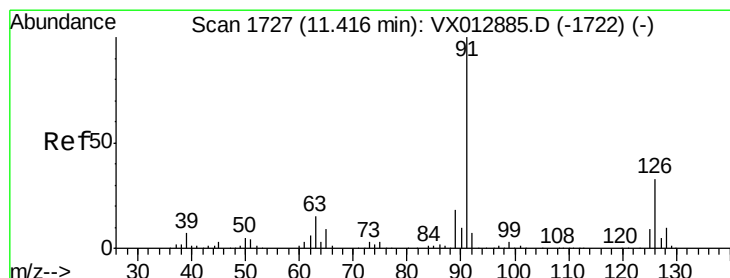
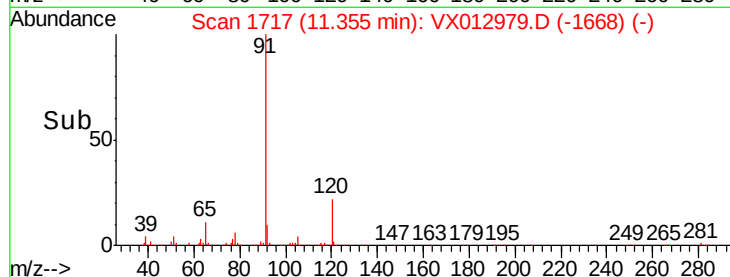
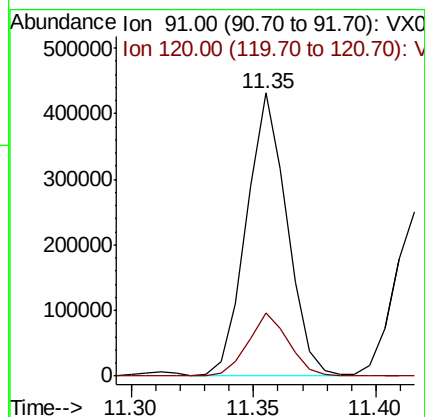
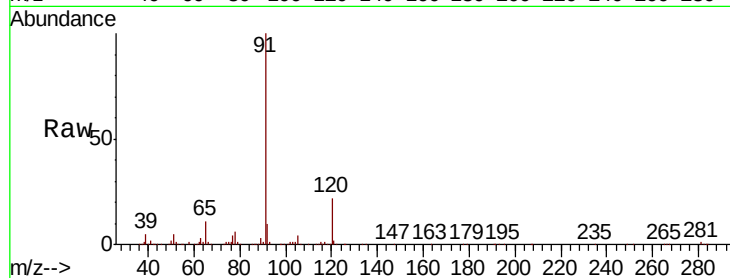
FA19-MMW0010MSD

Tot Ion: 91 Resp: 493559

Ion Ratio Lower Upper

91 100

120 22.4 11.7 35.1



#79

2-Chlorotoluene

Concen: 52.088 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX012979.D

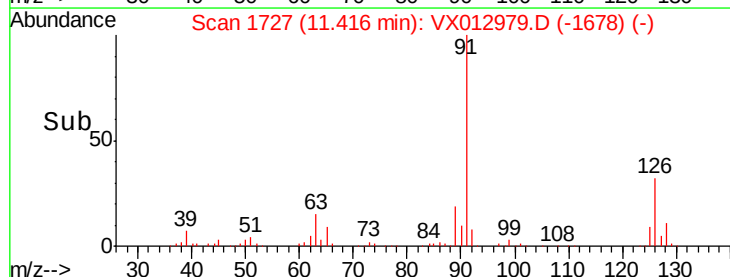
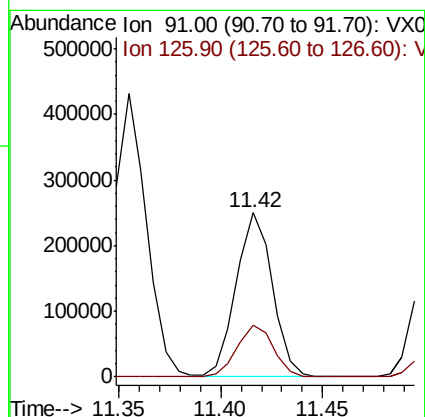
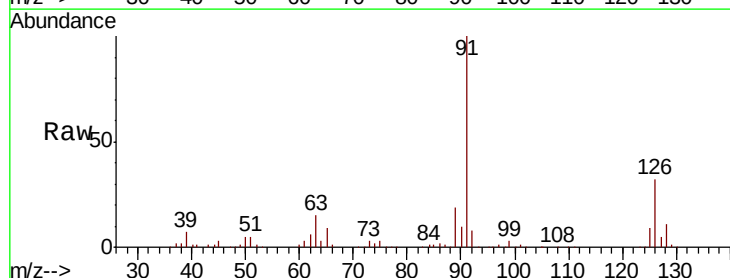
Acq: 10 Oct 2019 06:29

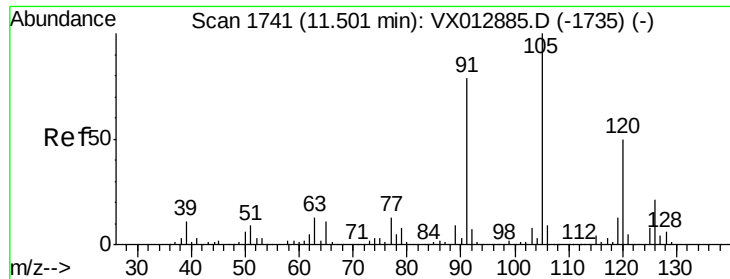
Tgt Ion: 91 Resp: 307278

Ion Ratio Lower Upper

91 100

126 32.1 16.3 48.8

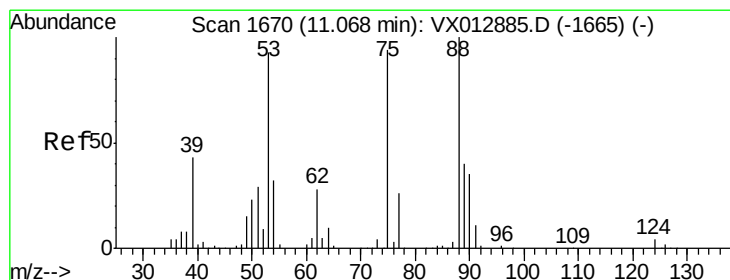
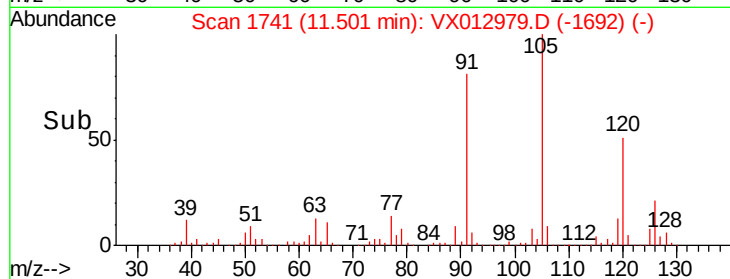
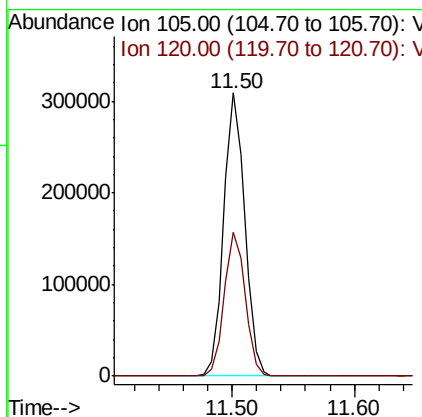
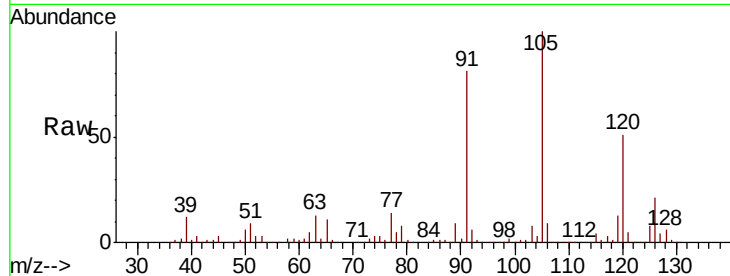




#80
 1,3,5-Trimethylbenzene
 Concen: 51.694 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012979.D
 Acq: 10 Oct 2019 06:29

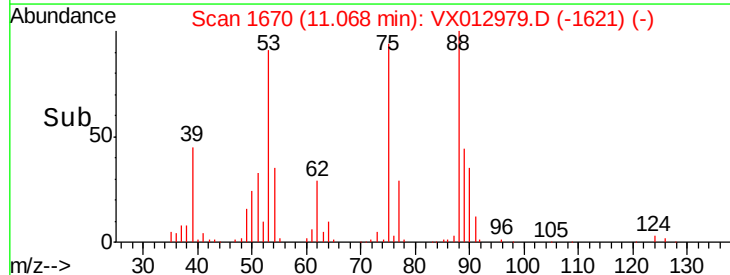
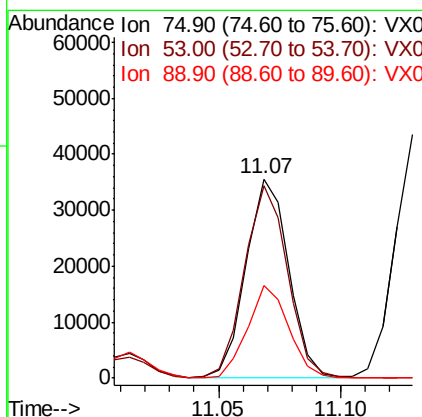
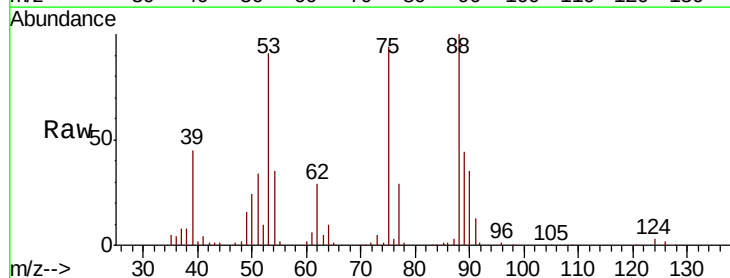
Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW0010MSD

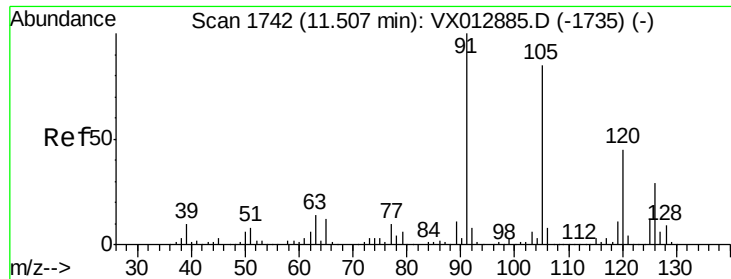
Tot Ion:105 Resp: 368214
 Ion Ratio Lower Upper
 105 100
 120 50.5 24.8 74.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 44.013 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: VX012979.D
 Acq: 10 Oct 2019 06:29

Tgt Ion: 75 Resp: 43514
 Ion Ratio Lower Upper
 75 100
 53 97.2 78.5 117.7
 89 44.8 37.4 56.2





#82

4-Chlorotoluene

Concen: 53.430 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX012979.D

Acq: 10 Oct 2019 06:29

Instrument :

MSVOA_X

ClientSampleId :

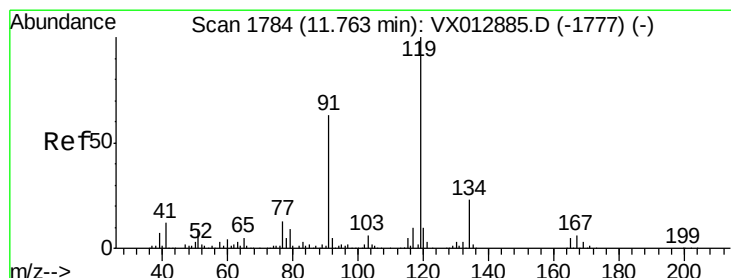
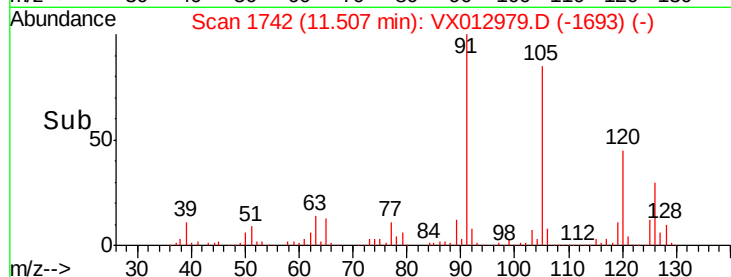
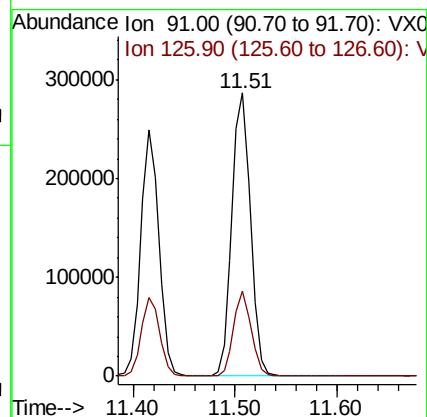
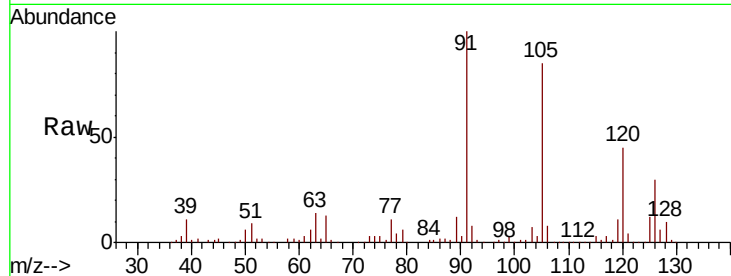
FA19-MMW0010MSD

Tot Ion: 91 Resp: 361273

Ion Ratio Lower Upper

91 100

126 28.3 14.2 42.6



#83

tert-Butylbenzene

Concen: 51.536 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX012979.D

Acq: 10 Oct 2019 06:29

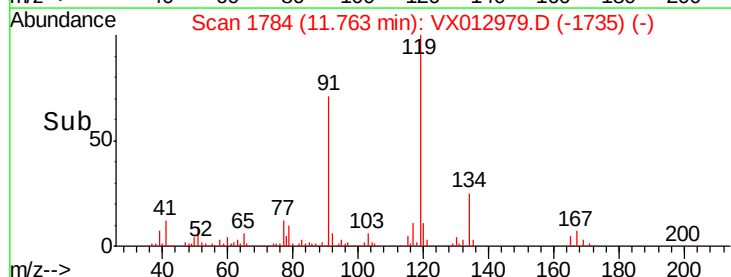
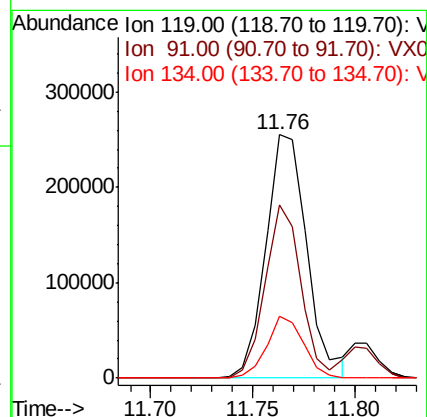
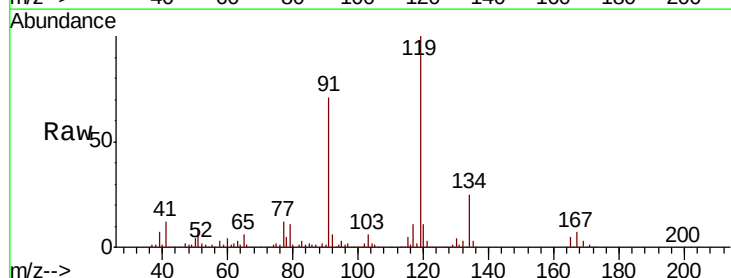
Tgt Ion: 119 Resp: 358088

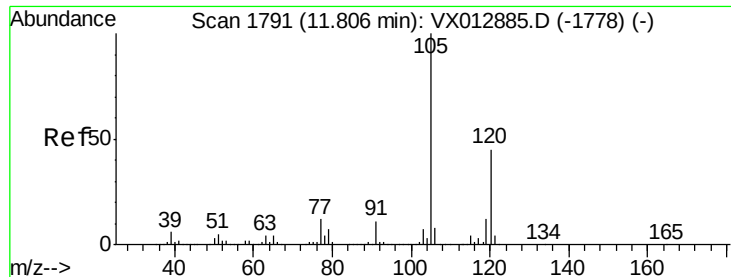
Ion Ratio Lower Upper

119 100

91 61.9 29.3 87.9

134 22.9 11.5 34.4

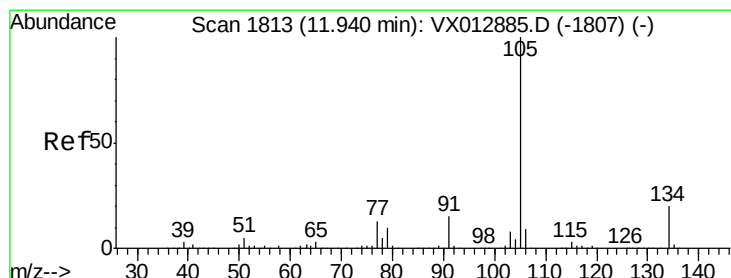
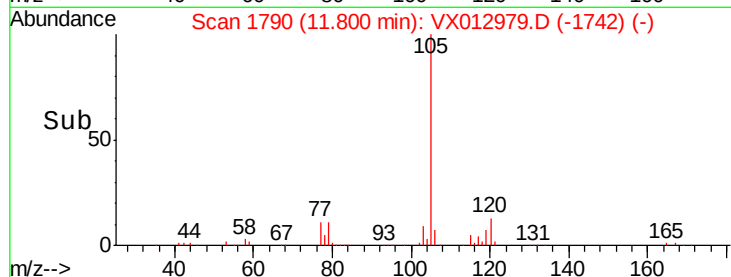
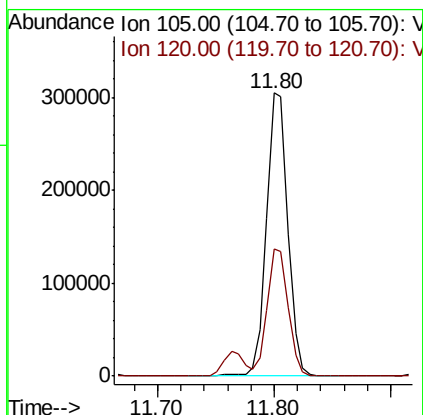
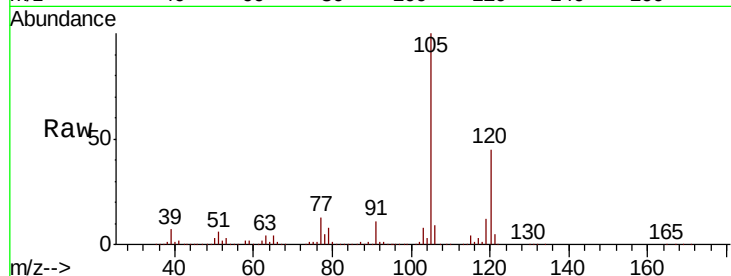




#84
1,2,4-Trimethylbenzene
Concen: 53.246 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX012979.D
Acq: 10 Oct 2019 06:29

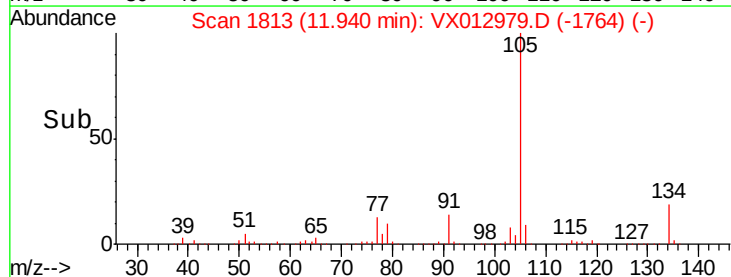
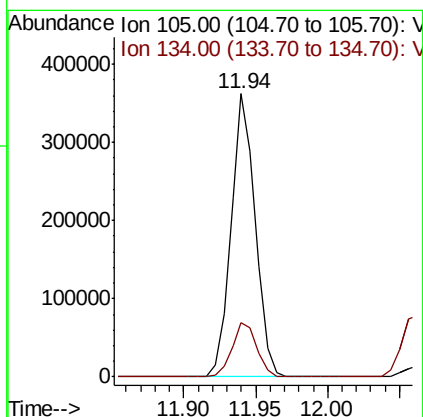
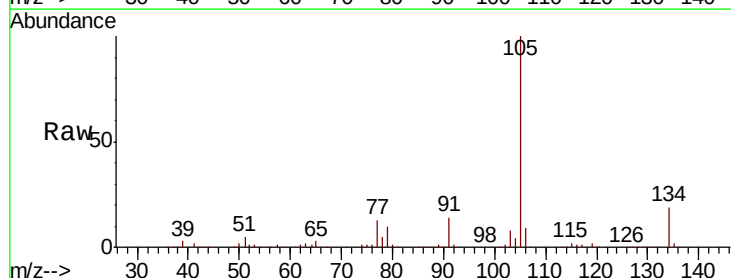
Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW0010MSD

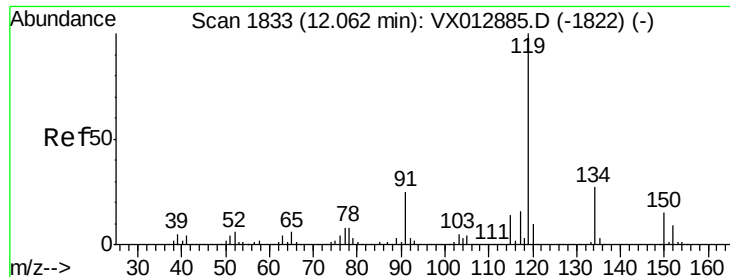
Tot Ion:105 Resp: 384110
Ion Ratio Lower Upper
105 100
120 44.3 21.8 65.3



#85
sec-Butylbenzene
Concen: 52.899 ug/l
RT: 11.94 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VX012979.D
Acq: 10 Oct 2019 06:29

Tgt Ion:105 Resp: 425840
Ion Ratio Lower Upper
105 100
134 19.7 10.0 30.0

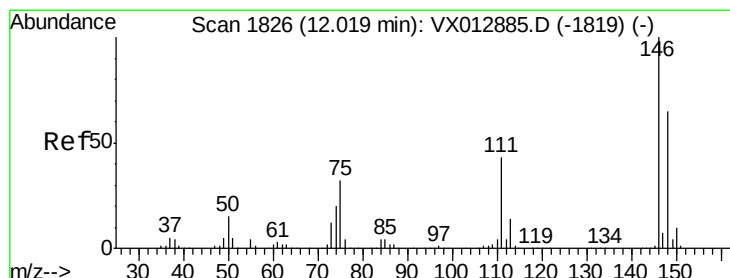
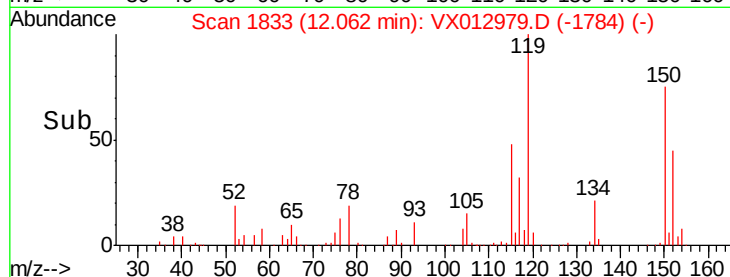
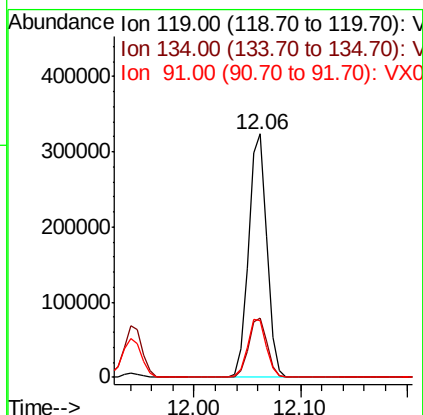
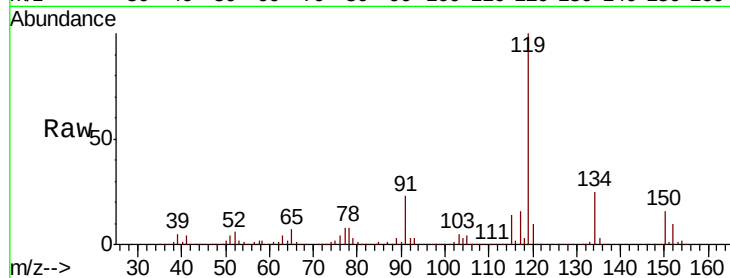




#86
p-Isopropyltoluene
Concen: 52.302 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX012979.D
Acq: 10 Oct 2019 06:29

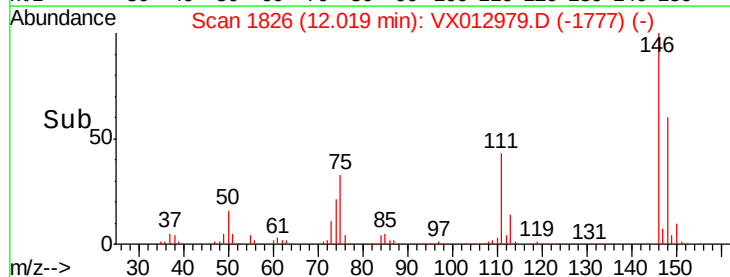
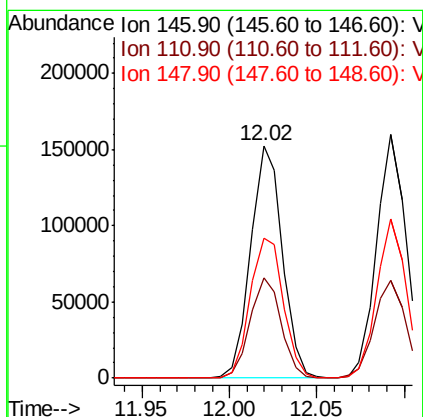
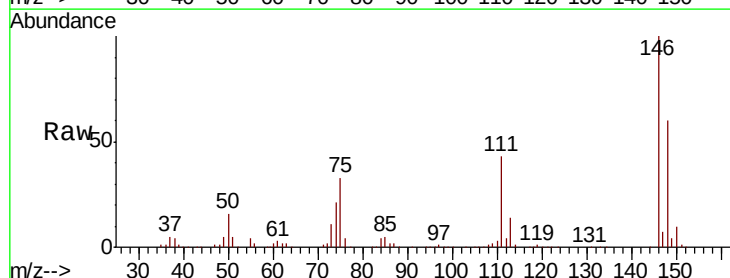
Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW0010MSD

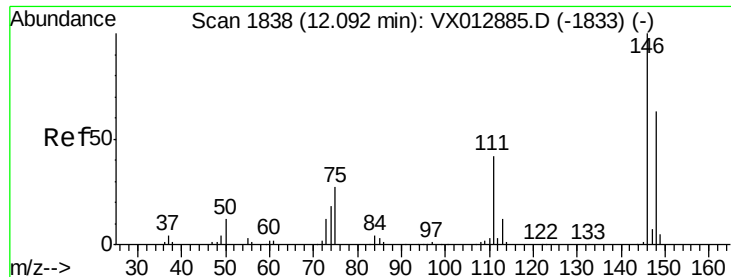
Tot Ion:119 Resp: 390481
Ion Ratio Lower Upper
119 100
134 24.8 12.6 37.8
91 24.6 12.4 37.4



#87
1,3-Dichlorobenzene
Concen: 51.261 ug/l
RT: 12.02 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VX012979.D
Acq: 10 Oct 2019 06:29

Tgt Ion:146 Resp: 191352
Ion Ratio Lower Upper
146 100
111 42.9 21.1 63.4
148 63.4 31.6 95.0





#88

1,4-Dichlorobenzene

Concen: 49.958 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VX012979.D

Acq: 10 Oct 2019 06:29

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0010MSD

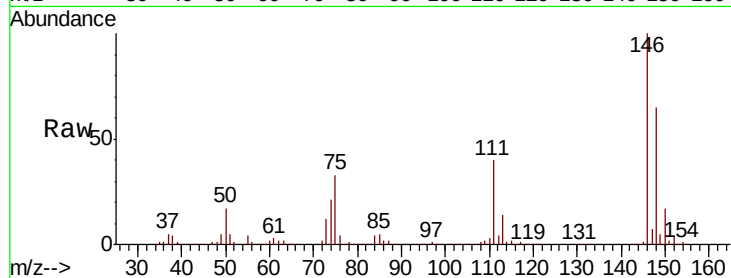
Tot Ion:146 Resp: 188869

Ion Ratio Lower Upper

146 100

111 42.5 21.4 64.3

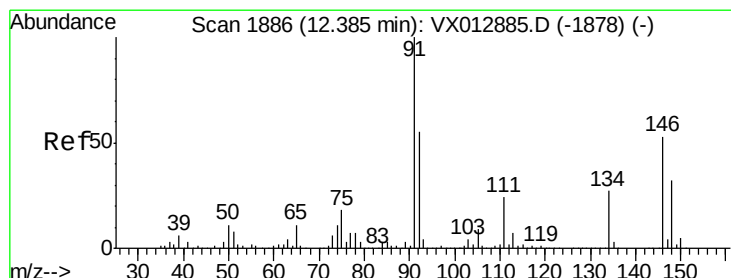
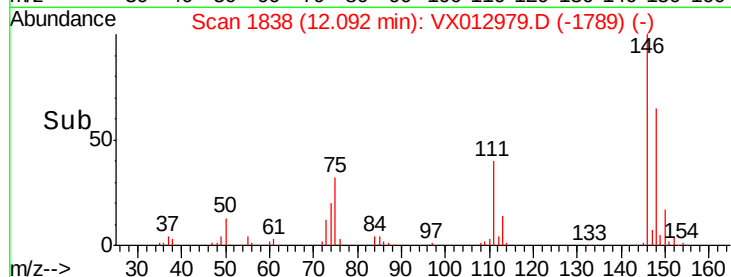
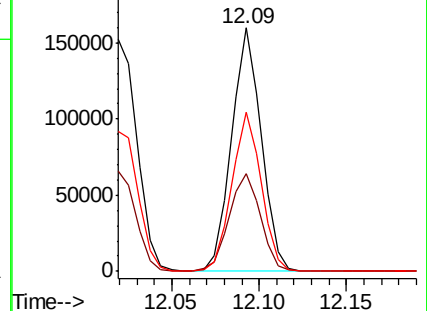
148 64.9 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 49.793 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012979.D

Acq: 10 Oct 2019 06:29

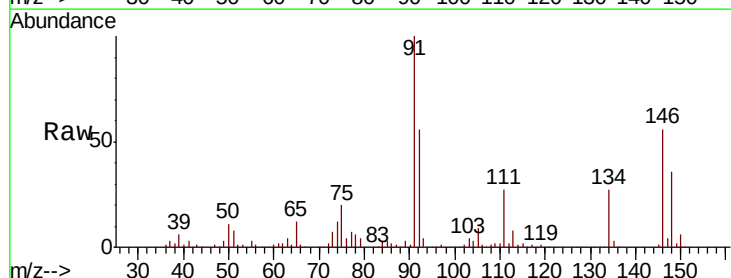
Tgt Ion: 91 Resp: 312441

Ion Ratio Lower Upper

91 100

92 56.5 27.5 82.5

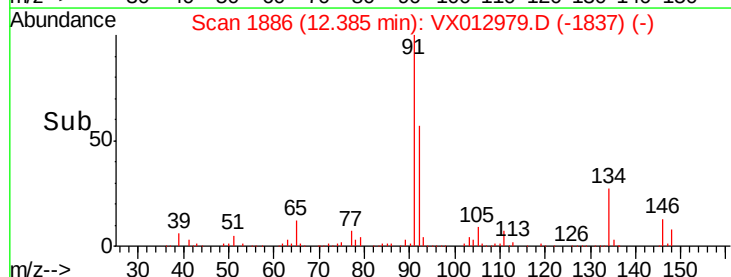
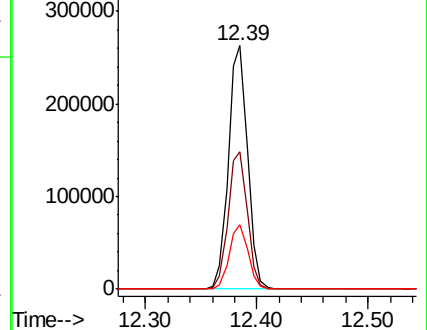
134 25.9 12.9 38.7

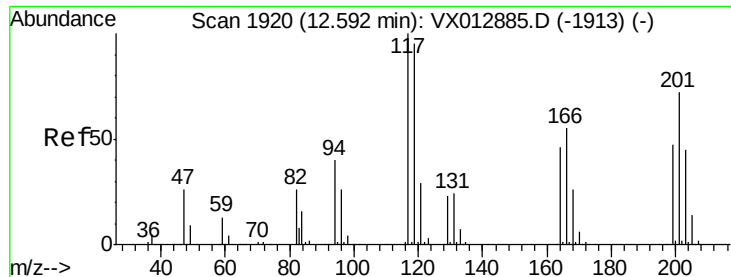


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V

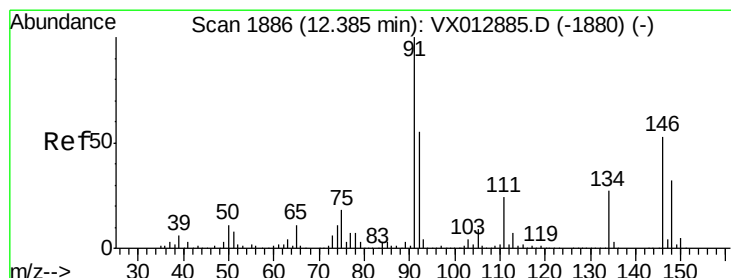
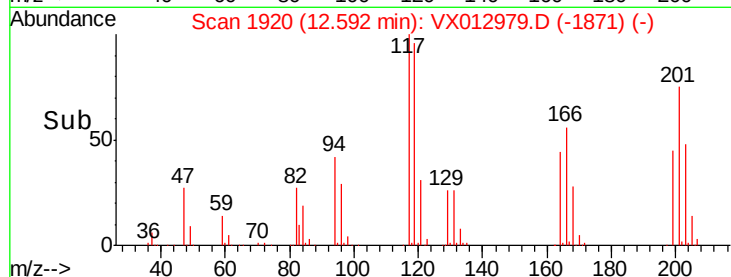
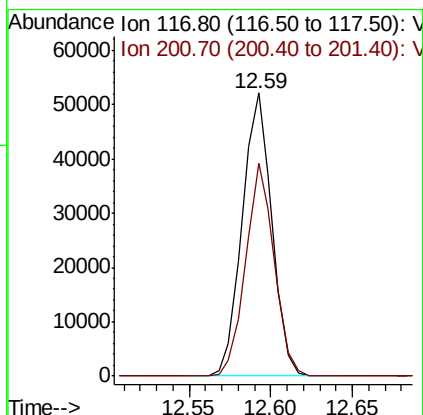
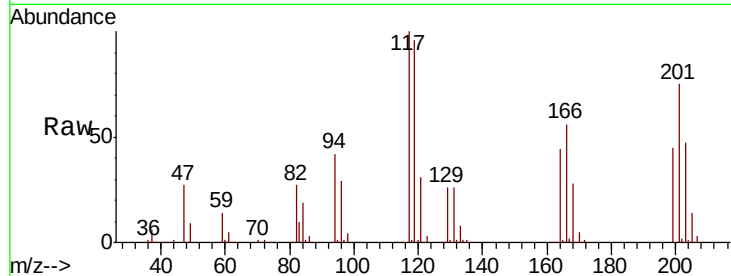




#90
Hexachloroethane
Concen: 47.873 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012979.D
Acq: 10 Oct 2019 06:29

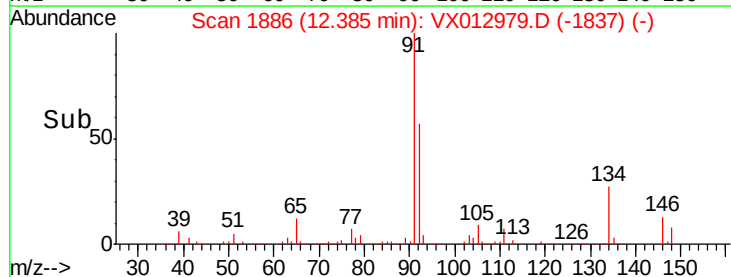
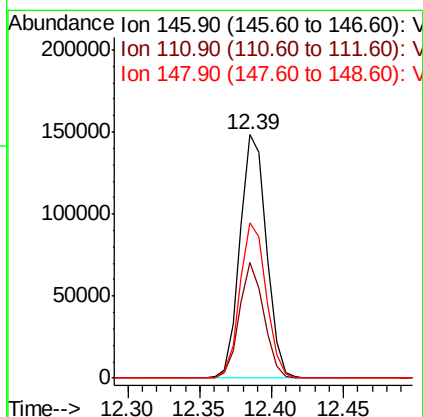
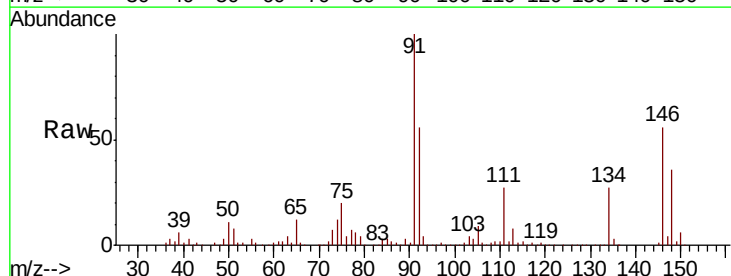
Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW0010MSD

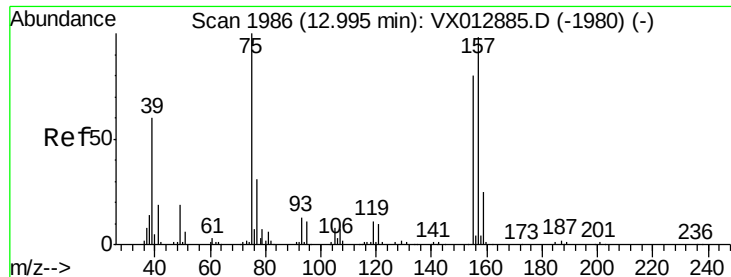
Tot Ion:117 Resp: 66068
Ion Ratio Lower Upper
117 100
201 72.3 36.9 110.7



#91
1,2-Dichlorobenzene
Concen: 51.603 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012979.D
Acq: 10 Oct 2019 06:29

Tgt Ion:146 Resp: 188846
Ion Ratio Lower Upper
146 100
111 44.4 22.7 68.0
148 63.5 31.6 94.7





#92

1,2-Dibromo-3-Chloropropane

Concen: 55.932 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX012979.D

Acq: 10 Oct 2019 06:29

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0010MSD

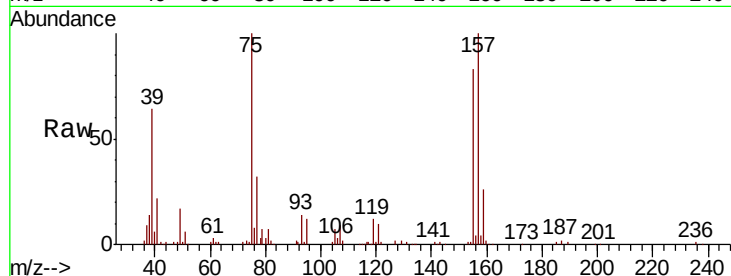
Tot Ion: 75 Resp: 37195

Ion Ratio Lower Upper

75 100

155 84.9 43.0 128.8

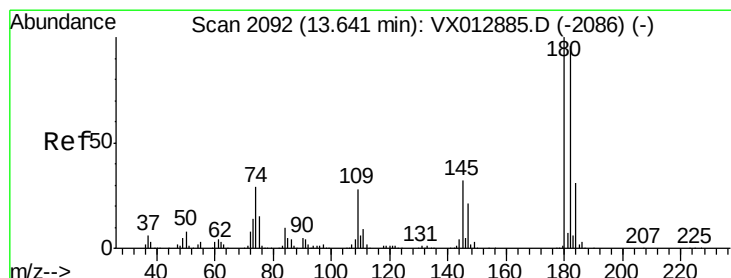
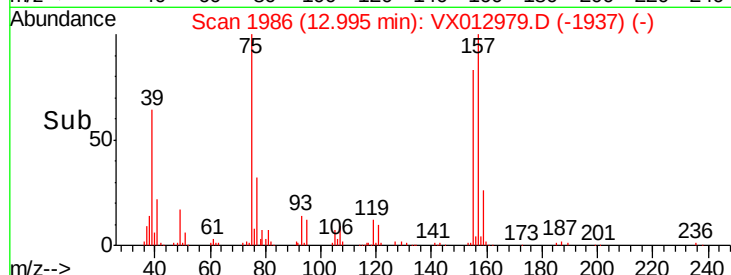
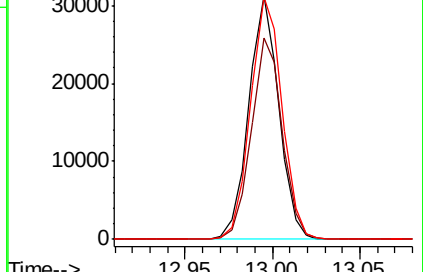
157 104.0 54.1 162.3



Abundance Ion 74.90 (74.60 to 75.60): VX012885.D (-1980) (-)

Ion 154.80 (154.50 to 155.50): VX012885.D (-1980) (-)

Ion 156.80 (156.50 to 157.50): VX012885.D (-1980) (-)



#93

1,2,4-Trichlorobenzene

Concen: 49.288 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX012979.D

Acq: 10 Oct 2019 06:29

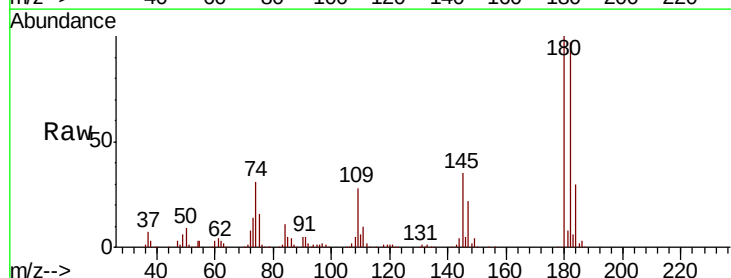
Tgt Ion: 180 Resp: 112991

Ion Ratio Lower Upper

180 100

182 96.0 46.8 140.4

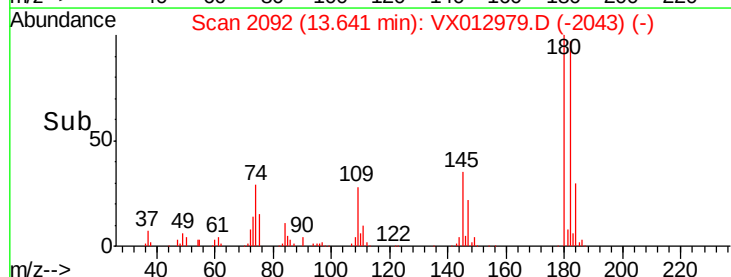
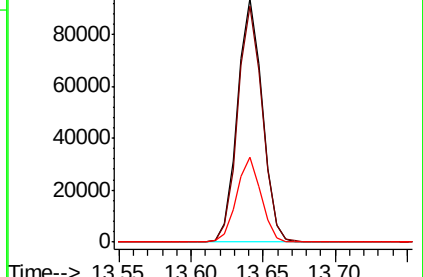
145 34.4 16.2 48.6

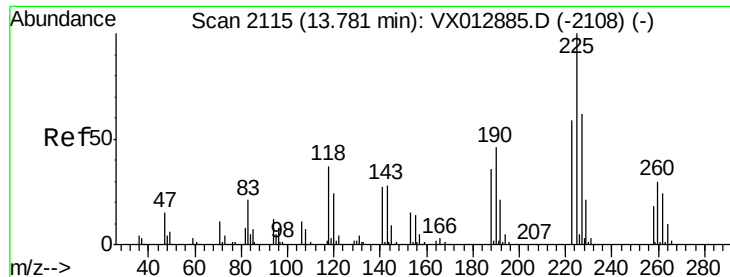


Abundance Ion 179.80 (179.50 to 180.50): VX012885.D (-2086) (-)

Ion 181.80 (181.50 to 182.50): VX012885.D (-2086) (-)

Ion 144.80 (144.50 to 145.50): VX012885.D (-2086) (-)





#94

Hexachlorobutadiene

Concen: 46.866 ug/l

RT: 13.78 min Scan# 2114

Delta R.T. -0.01 min

Lab File: VX012979.D

Acq: 10 Oct 2019 06:29

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0010MSD

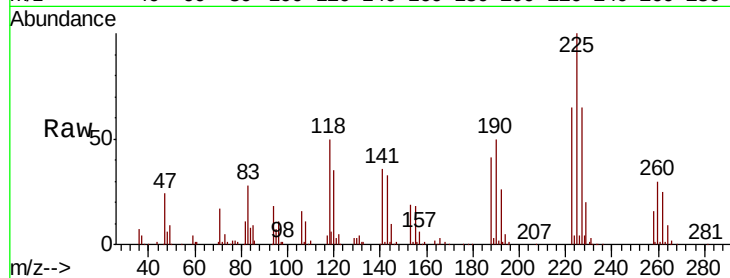
Tot Ion:225 Resp: 49583

Ion Ratio Lower Upper

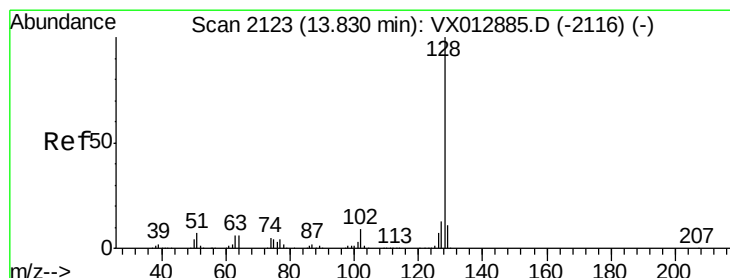
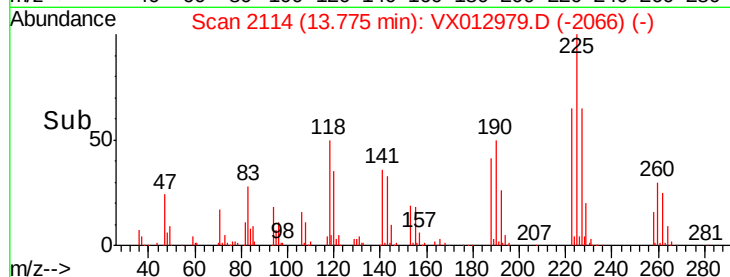
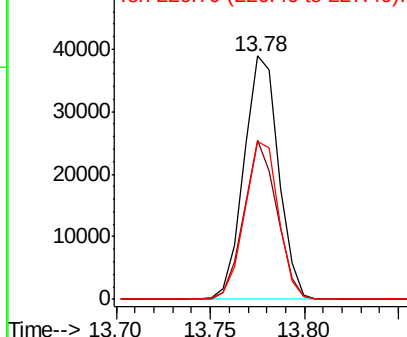
225 100

223 61.9 31.1 93.2

227 63.3 32.3 96.9



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 51.924 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012979.D

Acq: 10 Oct 2019 06:29

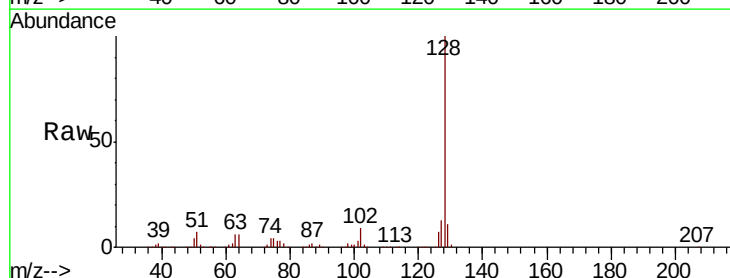
Tgt Ion:128 Resp: 412635

Ion Ratio Lower Upper

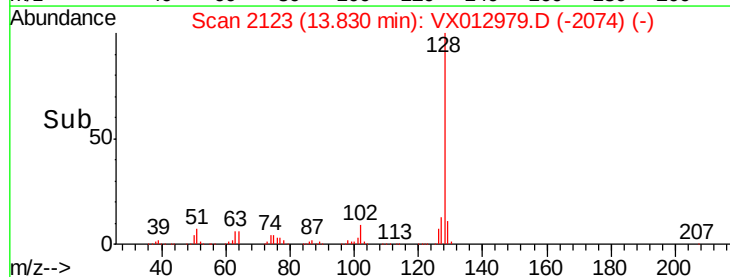
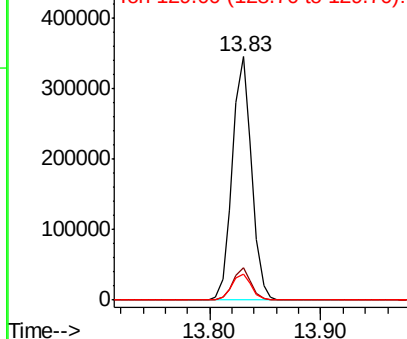
128 100

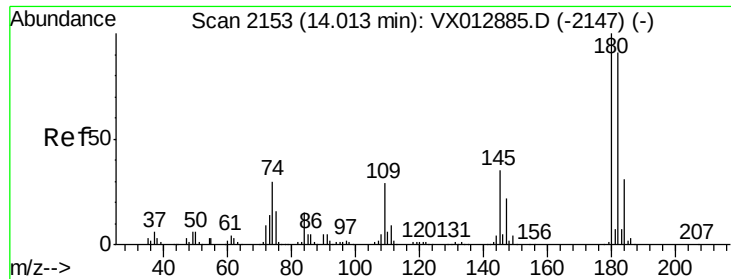
127 12.7 10.2 15.4

129 10.8 8.8 13.2



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: 49.131 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX012979.D
 Acq: 10 Oct 2019 06:29

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW0010MSD

Tot Ion:	180	Resp:	116393
Ion	Ratio	Lower	Upper
180	100		
182	98.4	47.5	142.5
145	35.8	17.4	52.3

