

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081919\
 Data File : VX011639.D
 Acq On : 19 Aug 2019 18:03
 Operator : JC/SP
 Sample : K4351-02MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0142MS

Quant Time: Aug 20 09:41:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	304021	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	476980	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	410944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	244760	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	159833	56.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.38%	
35) Dibromofluoromethane	5.49	113	145013	46.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.96%	
50) Toluene-d8	8.71	98	486996	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
62) 4-Bromofluorobenzene	11.13	95	197333	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	164421	55.021	ug/l	99
3) Chloromethane	1.32	50	170967	55.083	ug/l	99
4) Vinyl Chloride	1.40	62	155889	55.600	ug/l	99
5) Bromomethane	1.63	94	74688	59.451	ug/l	96
6) Chloroethane	1.71	64	80859	60.934	ug/l	99
7) Trichlorofluoromethane	1.92	101	224449	57.795	ug/l	99
8) Diethyl Ether	2.18	74	78854	59.192	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	132714	49.476	ug/l	99
10) Methyl Iodide	2.50	142	202633	53.029	ug/l	100
11) Tert butyl alcohol	3.04	59	206640	298.752	ug/l	99
12) 1,1-Dichloroethene	2.37	96	150157	57.925	ug/l	94
13) Acrolein	2.29	56	70519	327.380	ug/l	87
14) Allyl chloride	2.72	41	258089	59.851	ug/l	99
15) Acrylonitrile	3.13	53	492171	310.901	ug/l	98
16) Acetone	2.43	43	408692	288.290	ug/l	100
17) Carbon Disulfide	2.56	76	341927	55.977	ug/l	100
18) Methyl Acetate	2.76	43	260576	59.267	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	520304	61.628	ug/l #	47
20) Methylene Chloride	2.85	84	168219	56.515	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	160136	58.294	ug/l	96
22) Diisopropyl ether	3.85	45	518033	60.322	ug/l	97
23) Vinyl Acetate	3.81	43	1937316	284.884	ug/l	100
24) 1,1-Dichloroethane	3.69	63	286269	58.959	ug/l	99
25) 2-Butanone	4.66	43	669336	300.747	ug/l	96
26) 2,2-Dichloropropane	4.57	77	185154	50.667	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	192905	60.238	ug/l	97
28) Bromochloromethane	5.01	49	116309	54.568	ug/l	99
29) Tetrahydrofuran	5.12	42	439393	300.971	ug/l	99
30) Chloroform	5.20	83	303346	59.199	ug/l	98
31) Cyclohexane	5.57	56	4509394	1078.690	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	267120	60.626	ug/l	99
36) 1,1-Dichloropropene	5.79	75	211032	51.747	ug/l	98
37) Ethyl Acetate	4.82	43	237575	50.649	ug/l	99
38) Carbon Tetrachloride	5.77	117	227866	50.716	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	4002692	794.786	ug/l	99
40) Benzene	6.13	78	645156	50.907	ug/l	100
41) Methacrylonitrile	5.03	41	141861	54.951	ug/l	98
42) 1,2-Dichloroethane	6.19	62	243792	55.524	ug/l	99
43) Isopropyl Acetate	6.44	43	387256	52.902	ug/l	96
44) Trichloroethene	7.21	130	196927	52.381	ug/l	98
45) 1,2-Dichloropropane	7.51	63	167056	52.856	ug/l	96
46) Dibromomethane	7.66	93	118347	51.528	ug/l	99
47) Bromodichloromethane	7.90	83	224259	53.178	ug/l	99
48) Methyl methacrylate	7.76	41	203622	56.170	ug/l #	42
49) 1,4-Dioxane	7.74	88	96191	997.635	ug/l #	93
51) 4-Methyl-2-Pentanone	8.64	43	1332322	278.065	ug/l	100
52) Toluene	8.79	92	6881886	852.366	ug/l	93
53) t-1,3-Dichloropropene	9.04	75	239511	54.724	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	262651	54.836	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	164910	48.031	ug/l	99
56) Ethyl methacrylate	9.18	69	282309	56.572	ug/l #	89
57) 1,3-Dichloropropane	9.37	76	284335	52.098	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.38	63	558	0.224	ug/l	99
59) 2-Hexanone	9.49	43	1000785	270.854	ug/l	100
60) Dibromochloromethane	9.58	129	198264	55.423	ug/l	98
61) 1,2-Dibromoethane	9.67	107	193835	52.898	ug/l	100
64) Tetrachloroethene	9.34	164	170380	50.532	ug/l	99
65) Chlorobenzene	10.14	112	447293	51.031	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	172877	52.770	ug/l	100
68) m/p-Xylenes	10.26	106	11657122	2076.062	ug/l #	1
69) o-Xylene	10.71	106	6380083	1159.995	ug/l	88
70) Styrene	10.71	104	800926	86.502	ug/l #	1
71) Bromoform	10.86	173	140704	44.579	ug/l #	99
73) Isopropylbenzene	11.02	105	3705712	233.326	ug/l	99
74) N-amyl acetate	10.90	43	309120	45.800	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	274881	50.312	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	309515	66.688	ug/l	85
77) Bromobenzene	11.26	156	234197	49.563	ug/l	95
78) n-propylbenzene	11.36	91	3895003	227.436	ug/l	99
79) 2-Chlorotoluene	11.51	91	976873	92.893	ug/l	73
80) 1,3,5-Trimethylbenzene	11.51	105	4022219	301.481	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	74740	44.196	ug/l	95
82) 4-Chlorotoluene	11.51	91	976873	80.070	ug/l	78
83) tert-Butylbenzene	11.77	119	701207	51.605	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	8839890	659.994	ug/l	94
85) sec-Butylbenzene	11.94	105	945991	61.706	ug/l	97
86) p-Isopropyltoluene	12.06	119	877749	60.859	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	407723	50.200	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	422809	51.362	ug/l	97
89) n-Butylbenzene	12.38	91	733666	61.875	ug/l	88
90) Hexachloroethane	12.60	117	139529	61.263	ug/l	73
91) 1,2-Dichlorobenzene	12.39	146	414012	50.780	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	65420	52.338	ug/l	89
93) 1,2,4-Trichlorobenzene	13.65	180	301976	49.709	ug/l	98

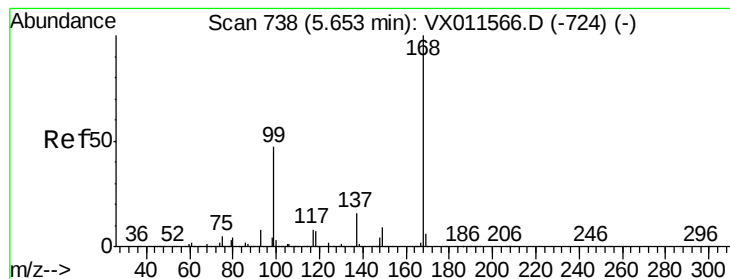
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	130766	39.532	ug/l	99
95) Naphthalene	13.83	128	2957591	172.215	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	308847	50.406	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

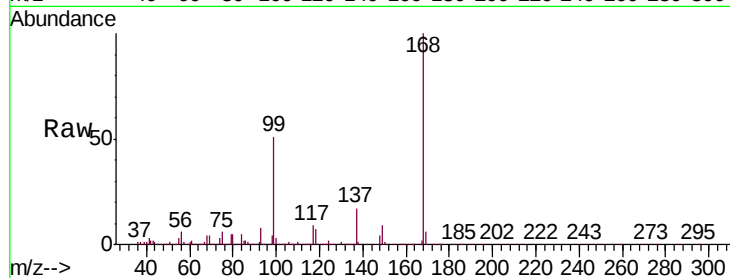
PH2-0142MS

Tgt Ion:168 Resp: 304021

Ion Ratio Lower Upper

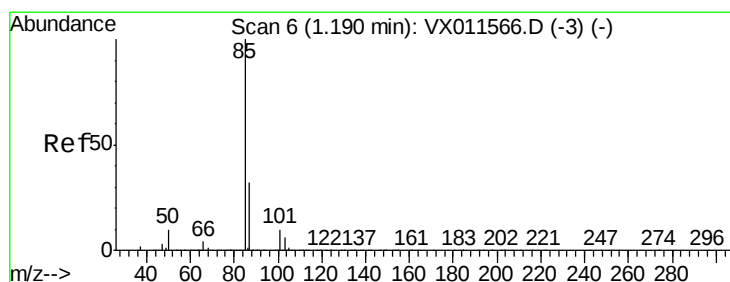
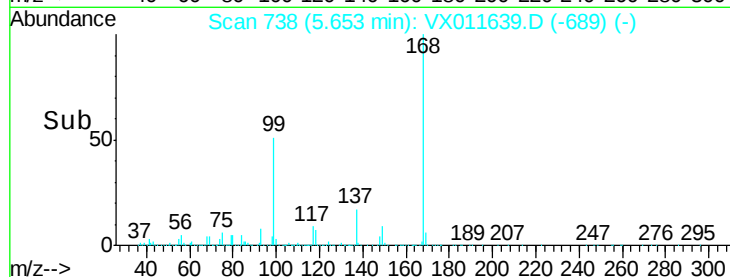
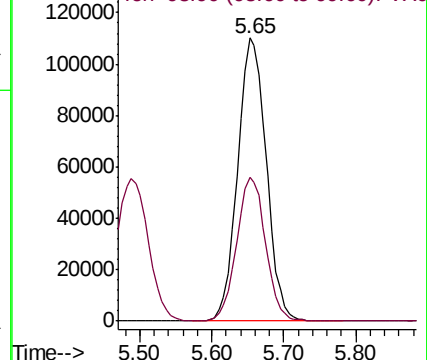
168 100

99 50.8 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 55.021 ug/l

RT: 1.19 min Scan# 6

Delta R.T. -0.00 min

Lab File: VX011639.D

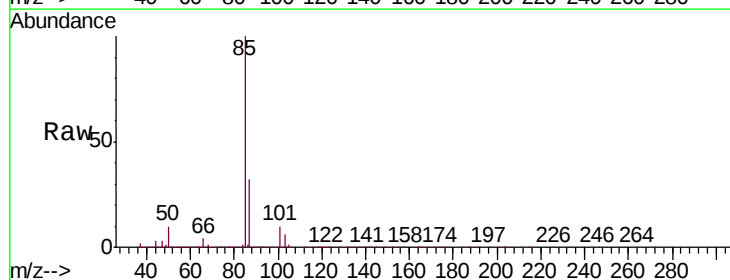
Acq: 19 Aug 2019 18:03

Tgt Ion: 85 Resp: 164421

Ion Ratio Lower Upper

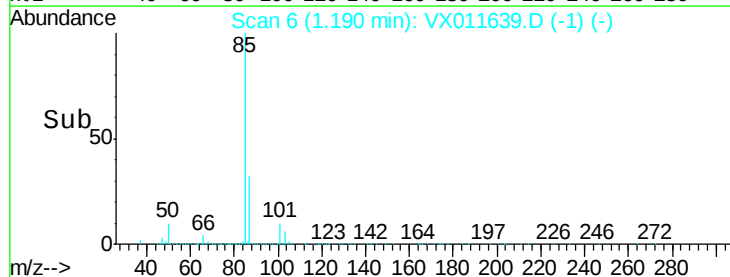
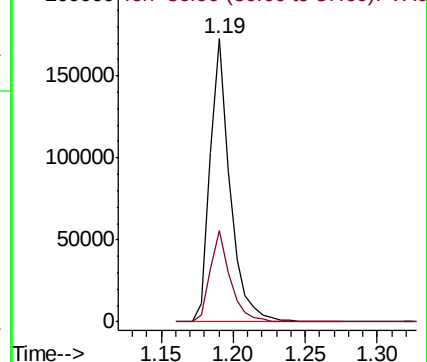
85 100

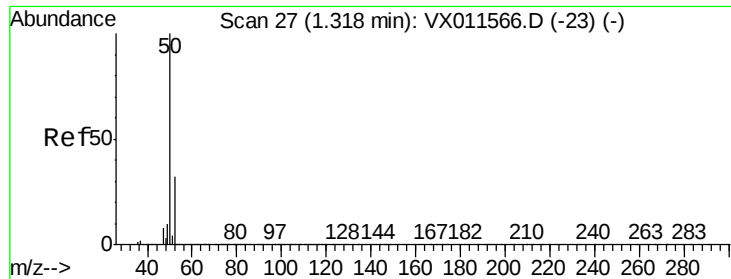
87 32.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 55.083 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

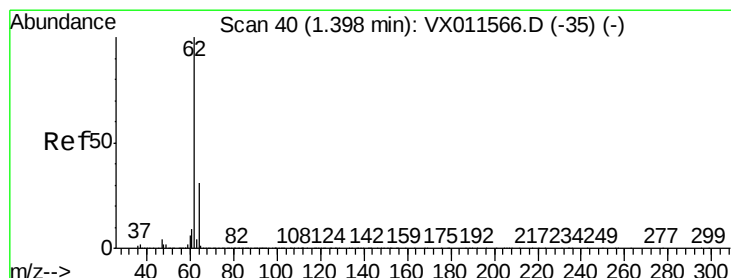
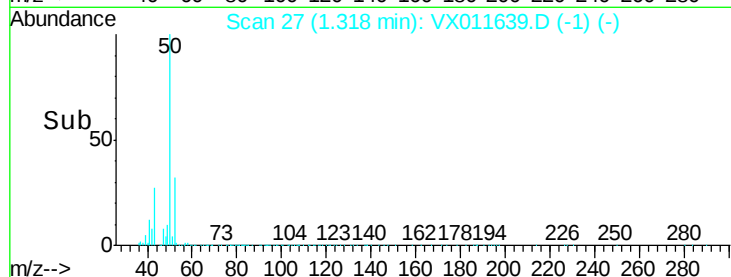
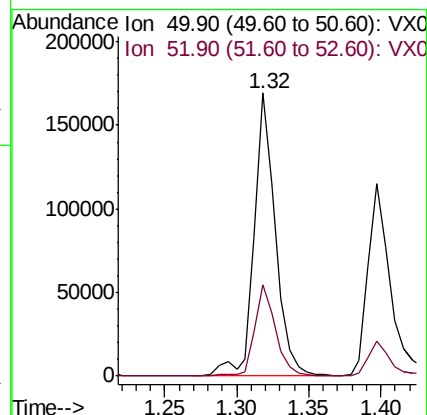
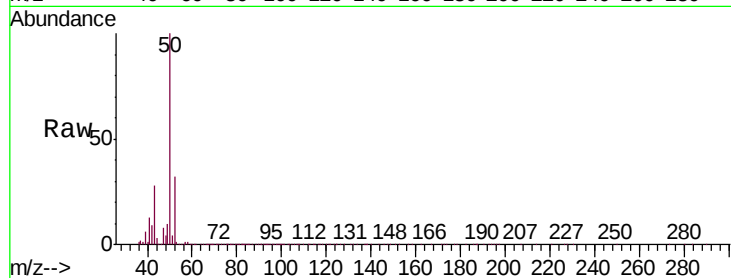
PH2-0142MS

Tgt Ion: 50 Resp: 170967

Ion Ratio Lower Upper

50 100

52 32.1 26.0 39.0



#4

Vinyl Chloride

Concen: 55.600 ug/l

RT: 1.40 min Scan# 40

Delta R.T. -0.00 min

Lab File: VX011639.D

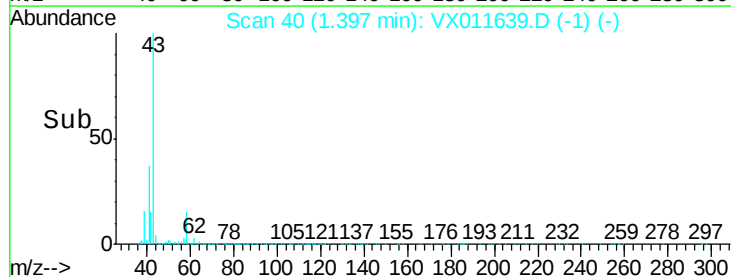
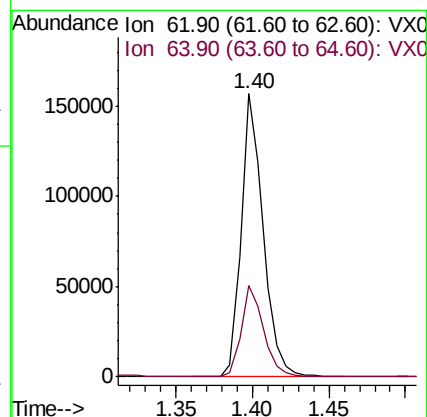
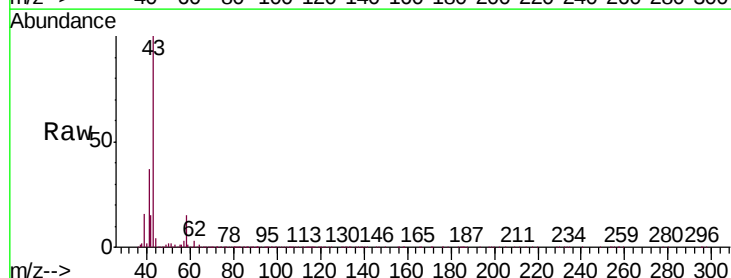
Acq: 19 Aug 2019 18:03

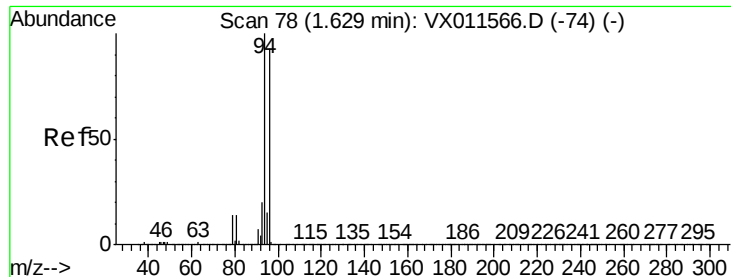
Tgt Ion: 62 Resp: 155889

Ion Ratio Lower Upper

62 100

64 31.9 25.0 37.4





#5

Bromomethane

Concen: 59.451 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

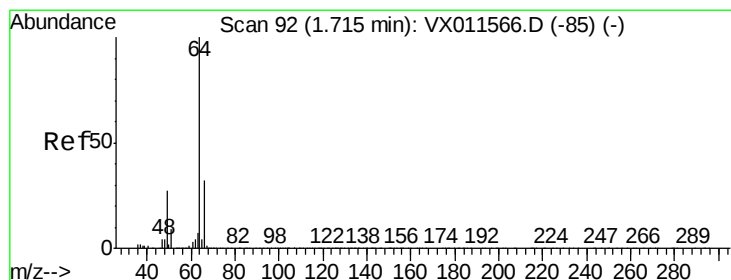
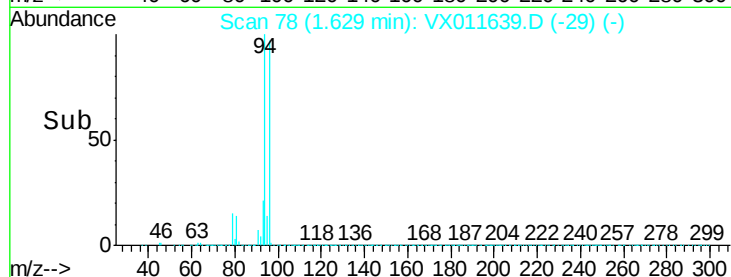
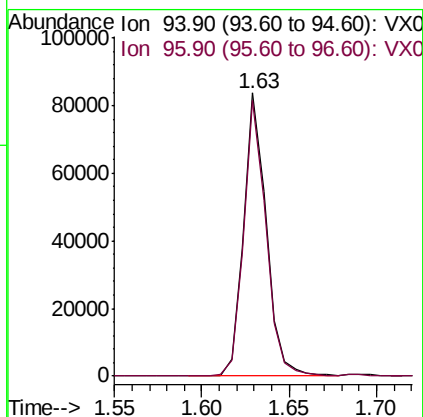
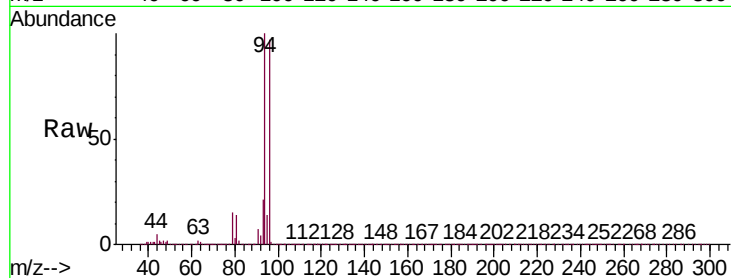
PH2-0142MS

Tgt Ion: 94 Resp: 74688

Ion Ratio Lower Upper

94 100

96 97.4 74.8 112.2



#6

Chloroethane

Concen: 60.934 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011639.D

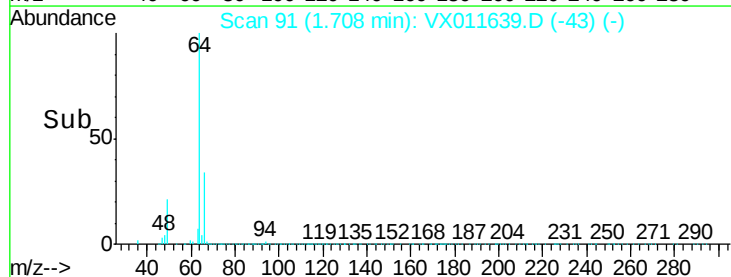
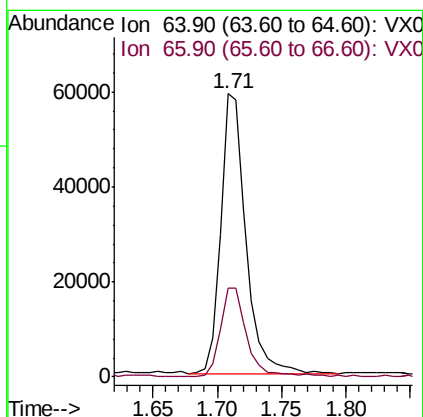
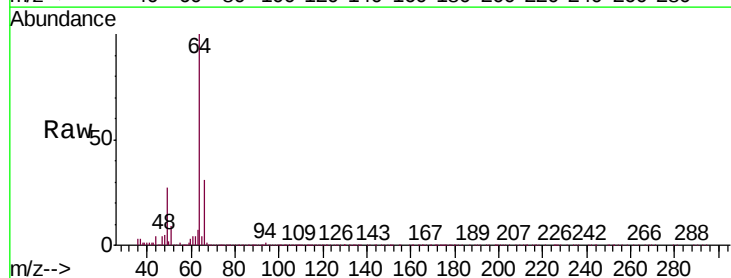
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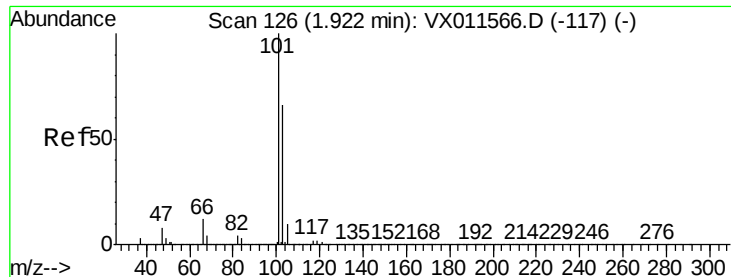
Tgt Ion: 64 Resp: 80859

Ion Ratio Lower Upper

64 100

66 31.2 25.3 37.9



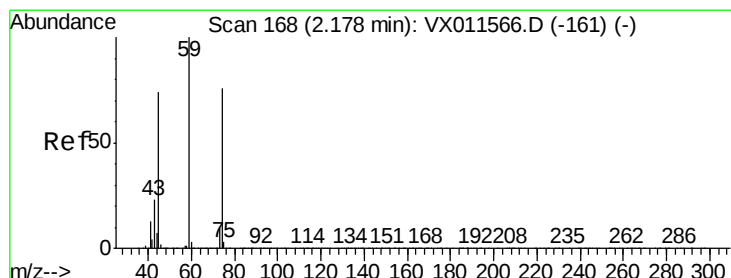
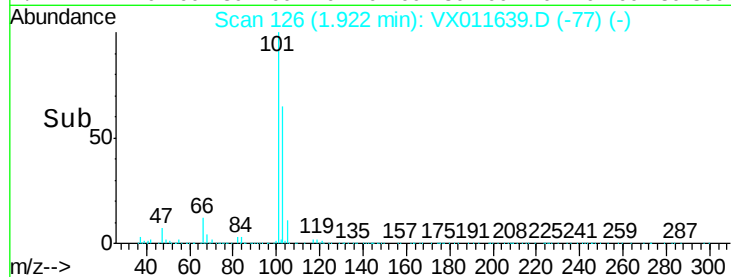
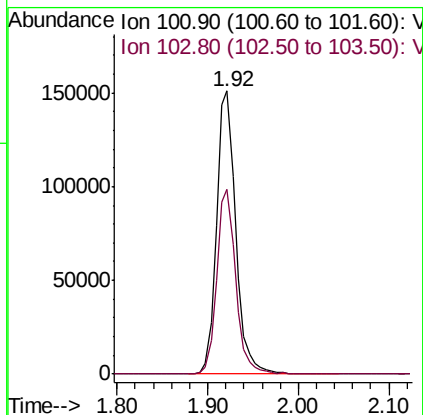
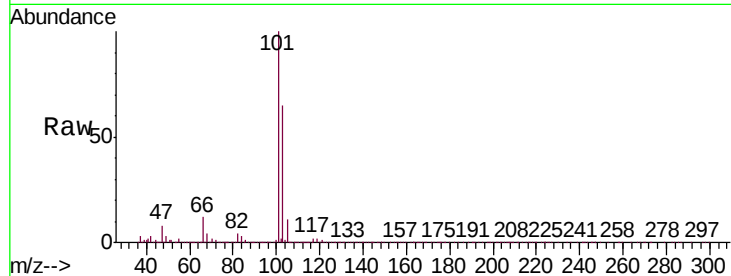


#7

Trichlorofluoromethane
Concen: 57.795 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

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MSVOA_X
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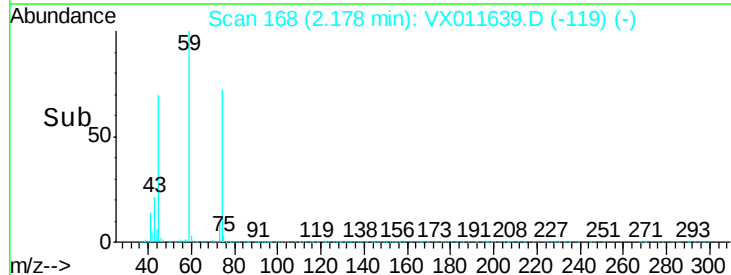
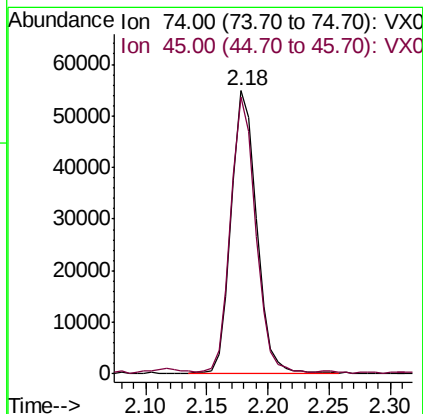
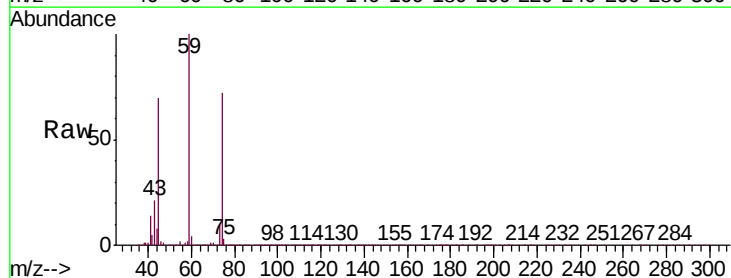
Tgt Ion:101 Resp: 224449
Ion Ratio Lower Upper
101 100
103 65.0 52.9 79.3

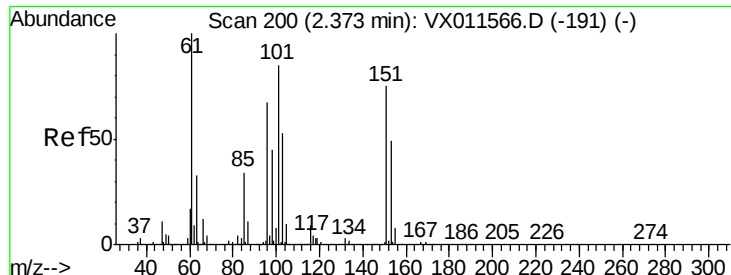


#8

Diethyl Ether
Concen: 59.192 ug/l
RT: 2.18 min Scan# 168
Delta R.T. -0.00 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Tgt Ion: 74 Resp: 78854
Ion Ratio Lower Upper
74 100
45 95.1 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.476 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

PH2-0142MS

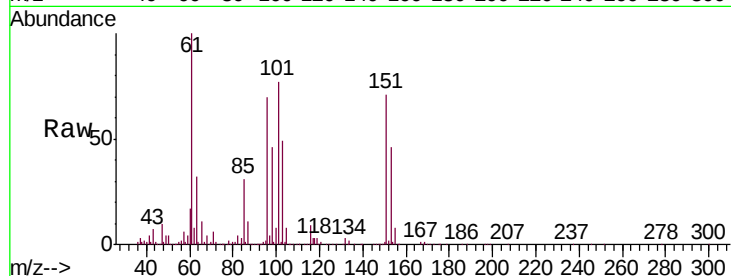
Tgt Ion:101 Resp: 132714

Ion Ratio Lower Upper

101 100

85 42.0 33.0 49.4

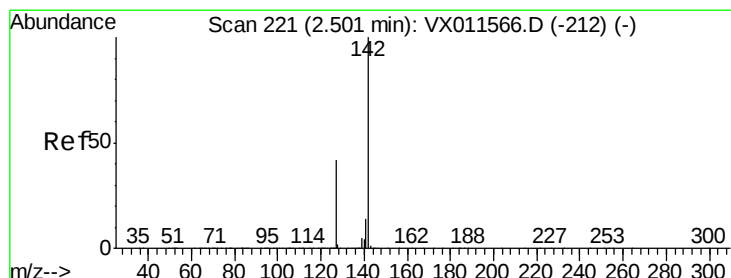
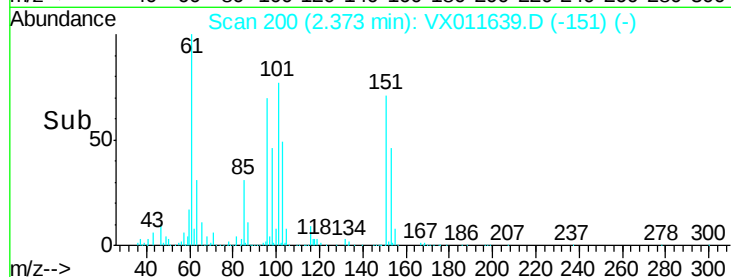
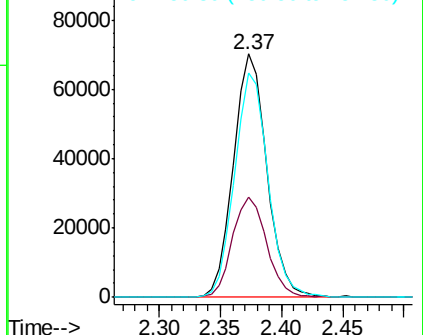
151 92.9 73.3 109.9



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: 53.029 ug/l

RT: 2.50 min Scan# 221

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

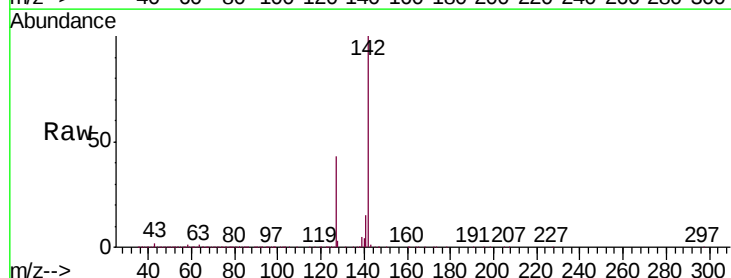
Tgt Ion:142 Resp: 202633

Ion Ratio Lower Upper

142 100

127 41.1 32.8 49.2

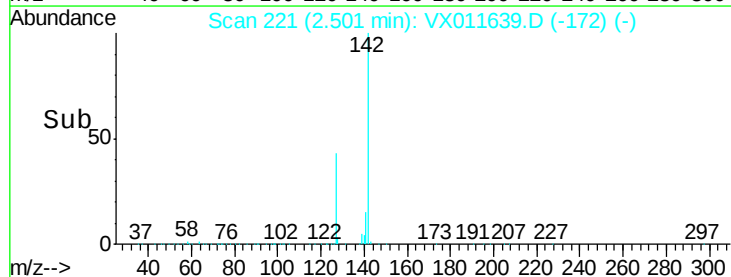
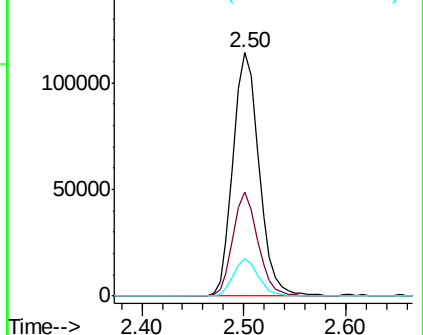
141 15.0 11.4 17.2

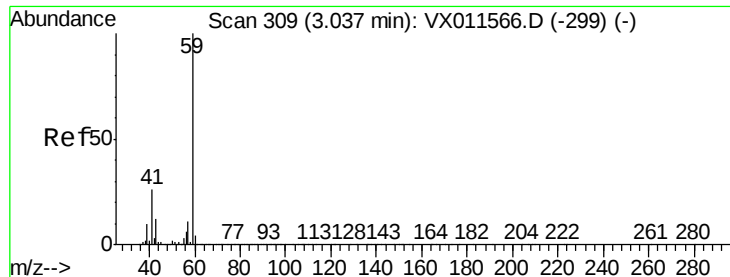


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



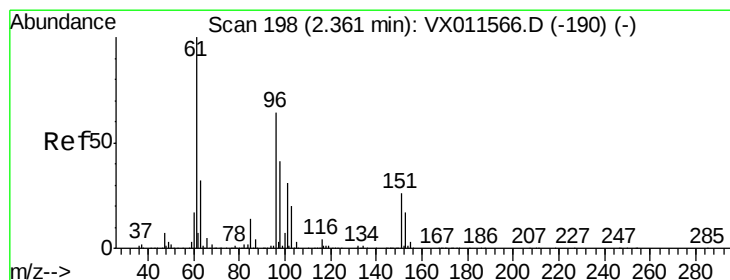
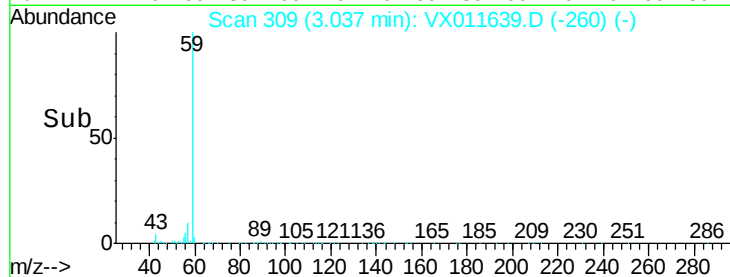
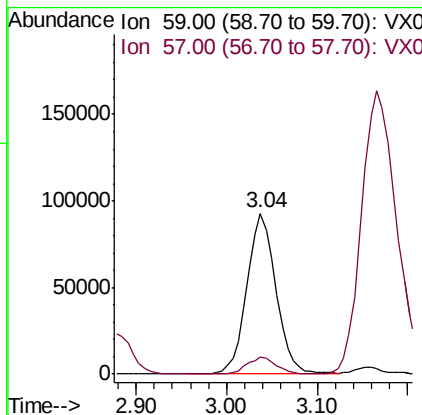
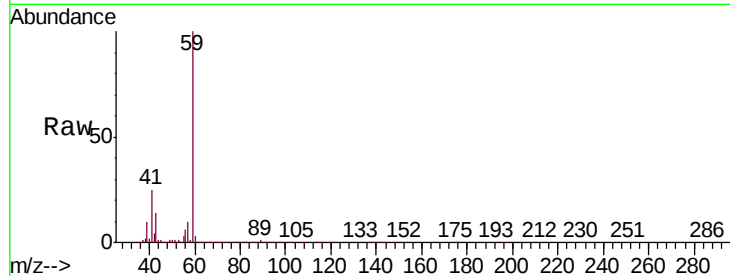


#11

Tert butyl alcohol
 Concen: 298.752 ug/l
 RT: 3.04 min Scan# 309
 Delta R.T. -0.00 min
 Lab File: VX011639.D
 Acq: 19 Aug 2019 18:03

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0142MS

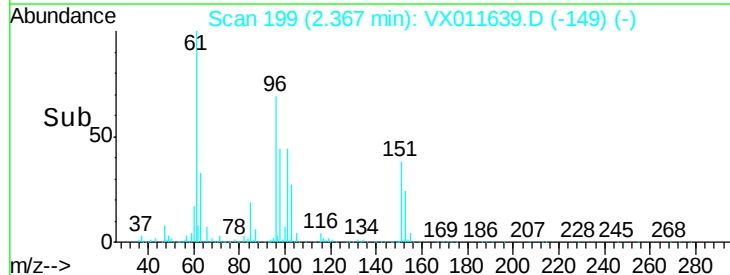
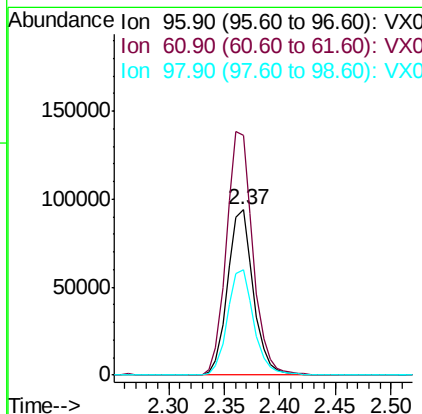
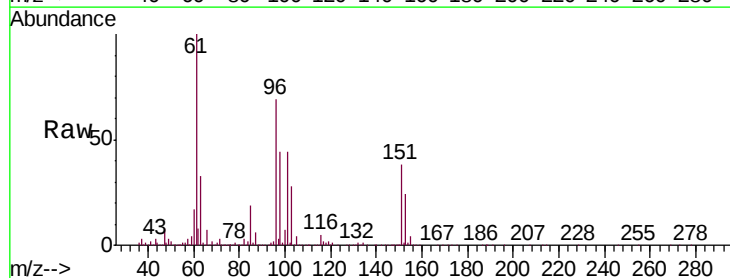
Tgt Ion: 59 Resp: 206640
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.7 13.1

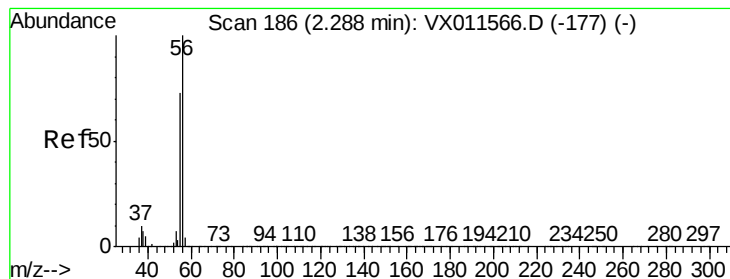


#12

1,1-Dichloroethene
 Concen: 57.925 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. 0.01 min
 Lab File: VX011639.D
 Acq: 19 Aug 2019 18:03

Tgt Ion: 96 Resp: 150157
 Ion Ratio Lower Upper
 96 100
 61 144.9 125.0 187.4
 98 63.9 51.5 77.3





#13

Acrolein

Concen: 327.380 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

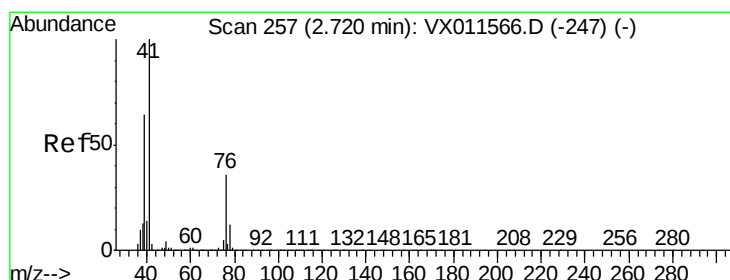
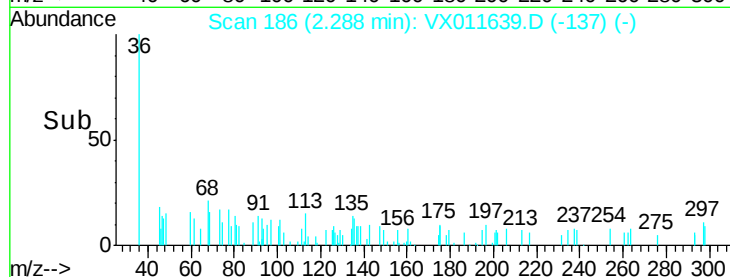
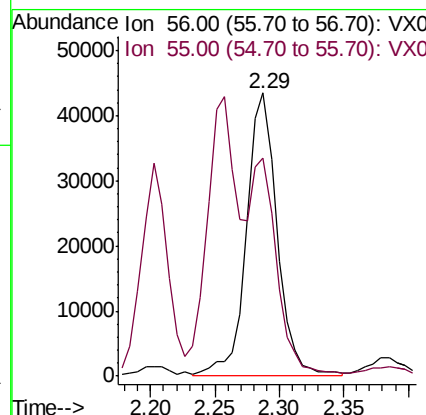
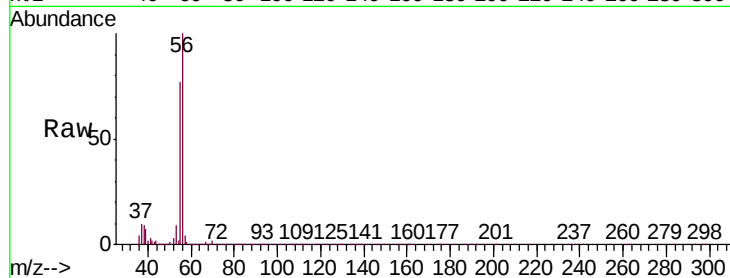
PH2-0142MS

Tgt Ion: 56 Resp: 70519

Ion Ratio Lower Upper

56 100

55 58.5 55.5 83.3



#14

Allyl chloride

Concen: 59.851 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

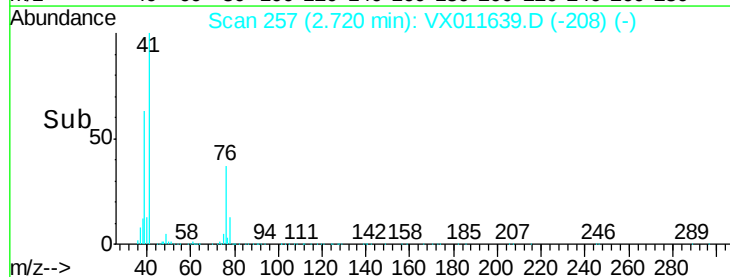
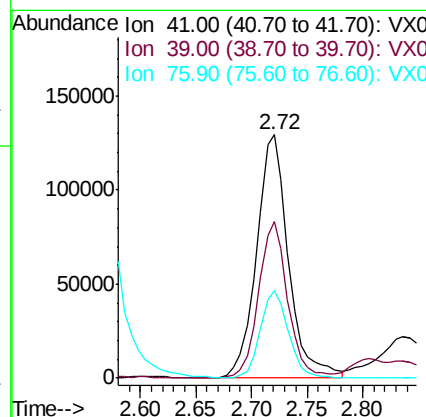
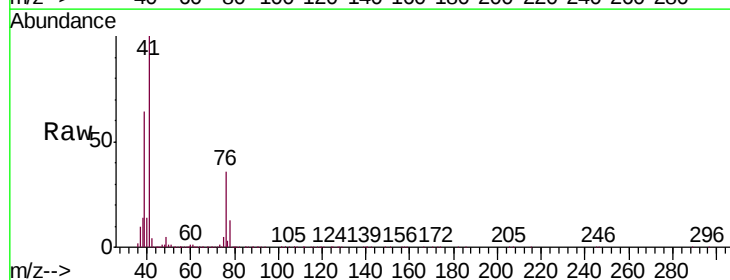
Tgt Ion: 41 Resp: 258089

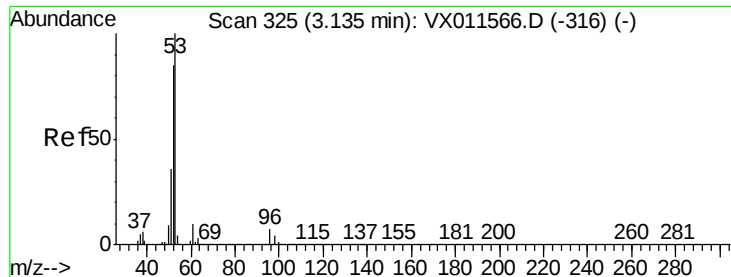
Ion Ratio Lower Upper

41 100

39 58.8 47.5 71.3

76 31.6 26.3 39.5





#15

Acrylonitrile

Concen: 310.901 ug/l

RT: 3.13 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

PH2-0142MS

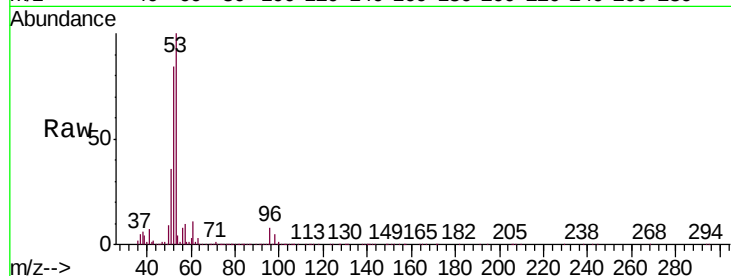
Tgt Ion: 53 Resp: 492171

Ion Ratio Lower Upper

53 100

52 81.4 66.7 100.1

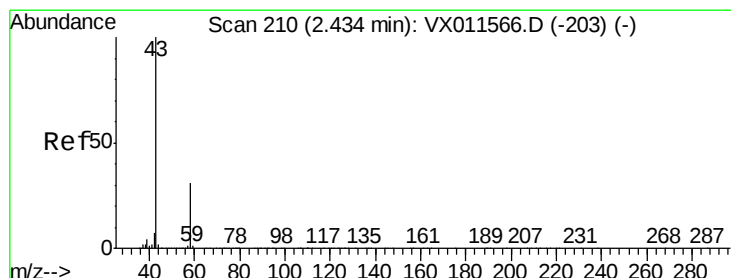
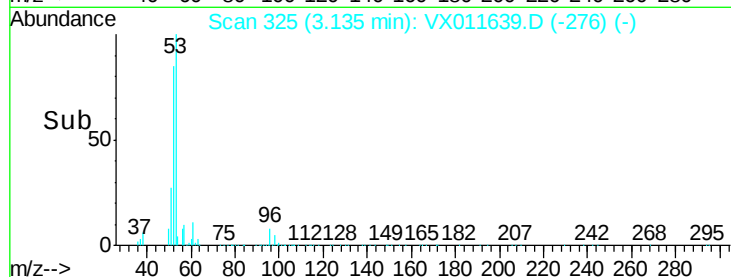
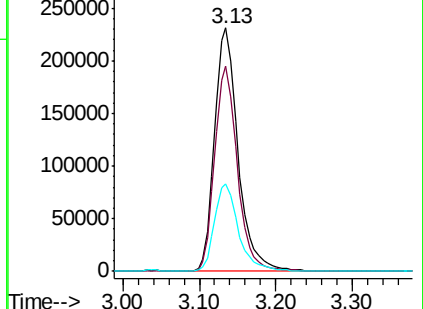
51 36.6 28.7 43.1



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: 288.290 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX011639.D

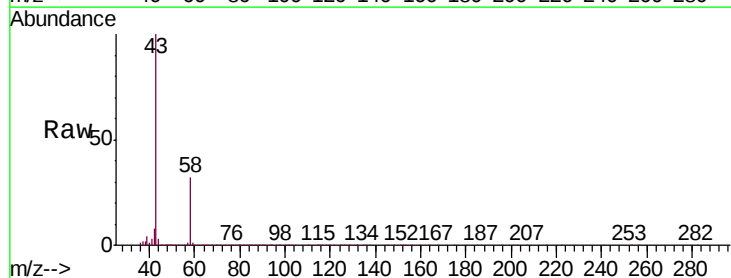
Acq: 19 Aug 2019 18:03

Tgt Ion: 43 Resp: 408692

Ion Ratio Lower Upper

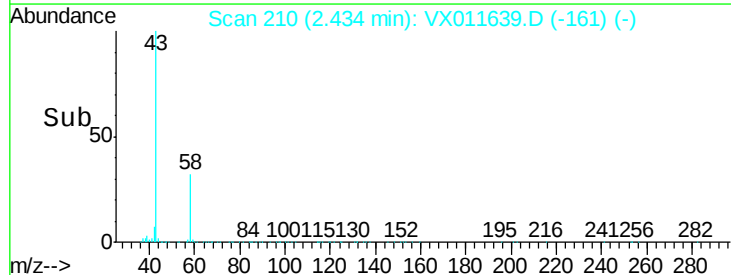
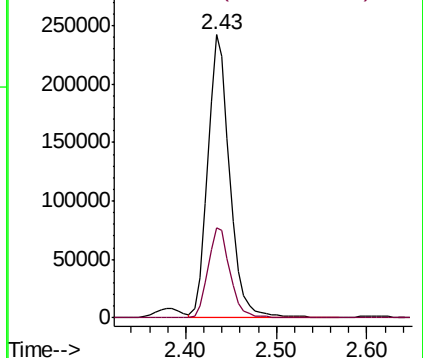
43 100

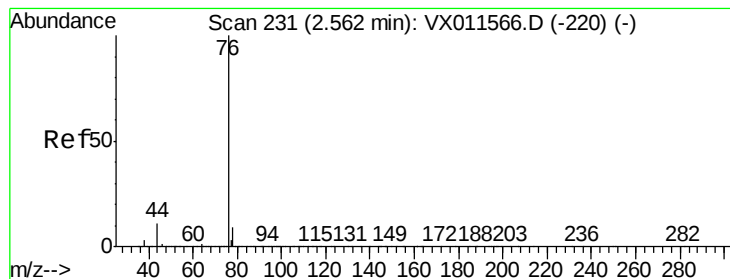
58 31.7 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 55.977 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

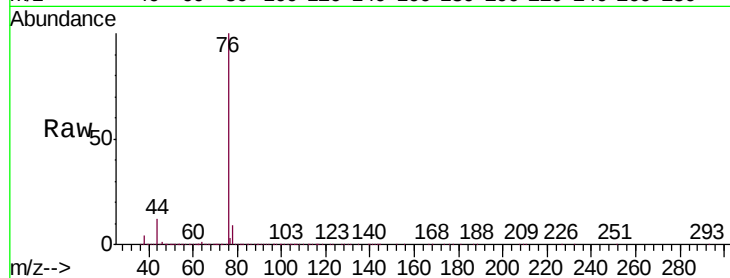
PH2-0142MS

Tgt Ion: 76 Resp: 341927

Ion Ratio Lower Upper

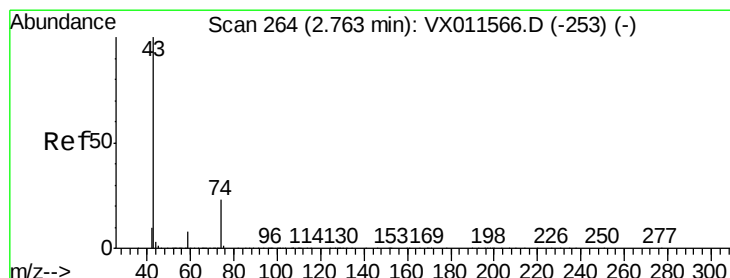
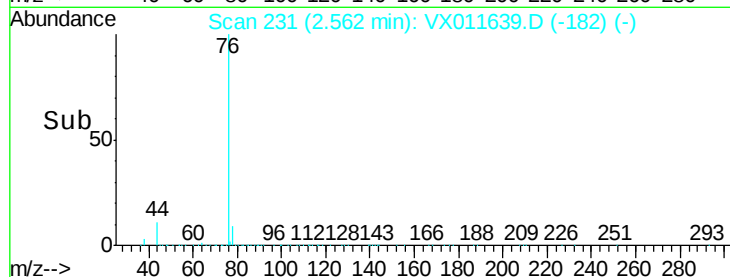
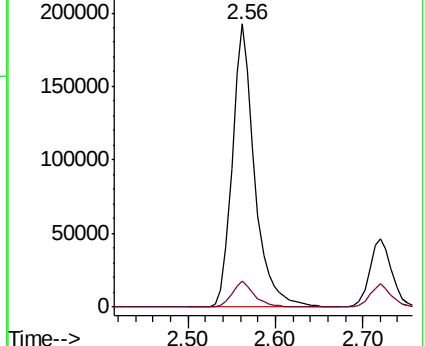
76 100

78 9.1 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 59.267 ug/l

RT: 2.76 min Scan# 264

Delta R.T. -0.00 min

Lab File: VX011639.D

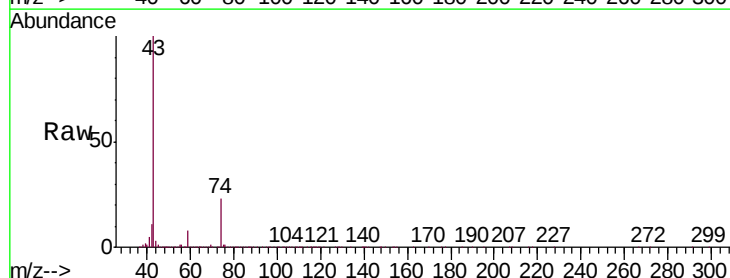
Acq: 19 Aug 2019 18:03

Tgt Ion: 43 Resp: 260576

Ion Ratio Lower Upper

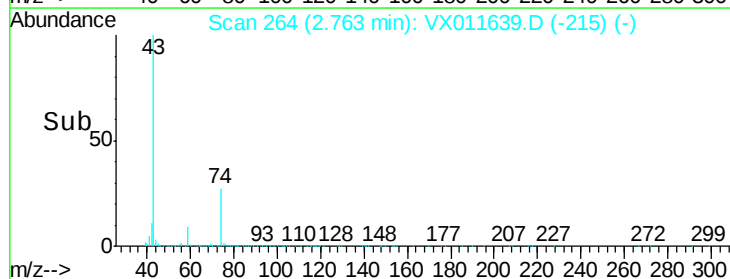
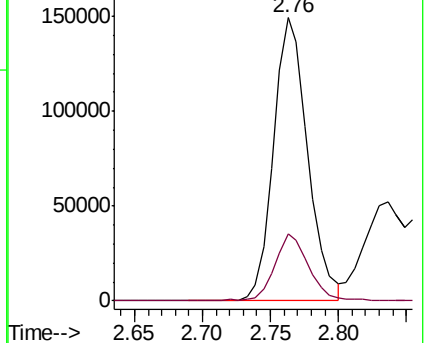
43 100

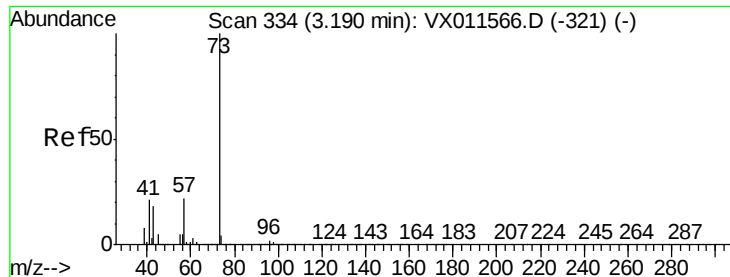
74 23.9 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

Methyl tert-butyl Ether

Concen: 61.628 ug/l

RT: 3.18 min Scan# 333

Delta R.T. -0.01 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

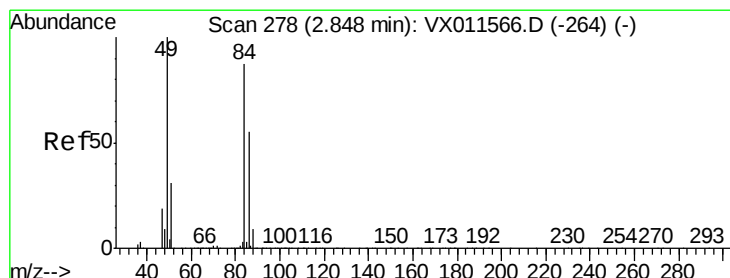
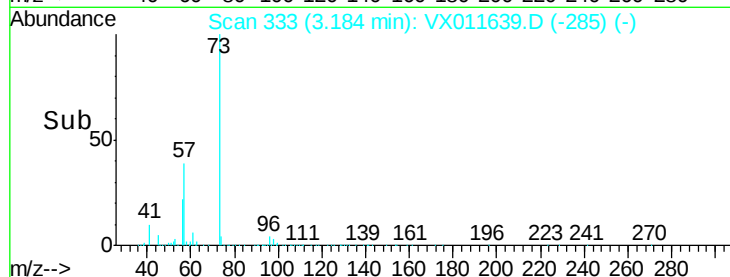
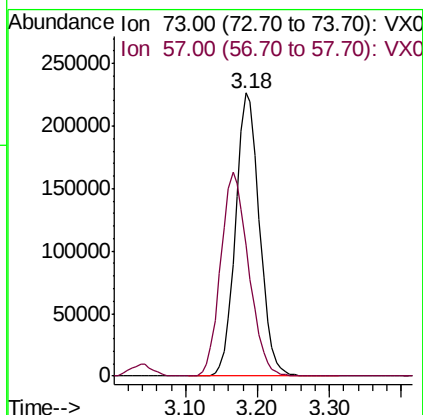
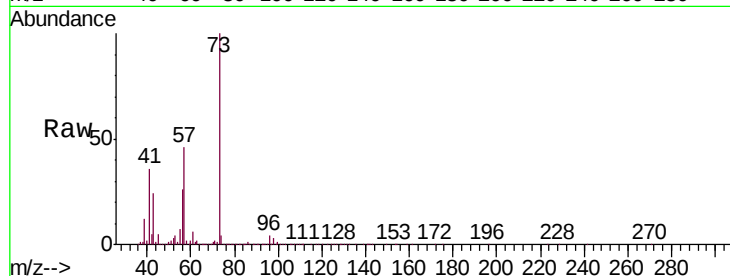
PH2-0142MS

Tgt Ion: 73 Resp: 520304

Ion Ratio Lower Upper

73 100

57 46.5 17.2 25.8#



#20

Methylene Chloride

Concen: 56.515 ug/l

RT: 2.85 min Scan# 278

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Tgt Ion: 84 Resp: 168219

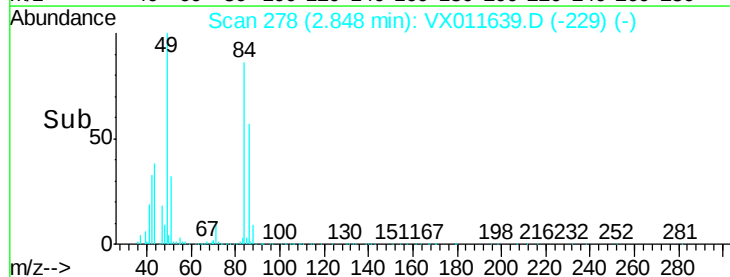
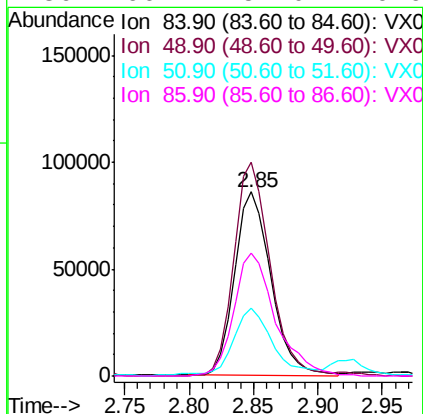
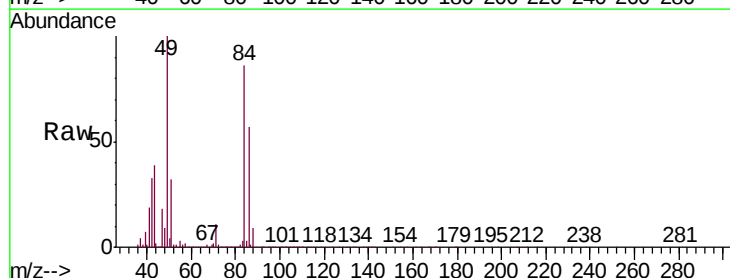
Ion Ratio Lower Upper

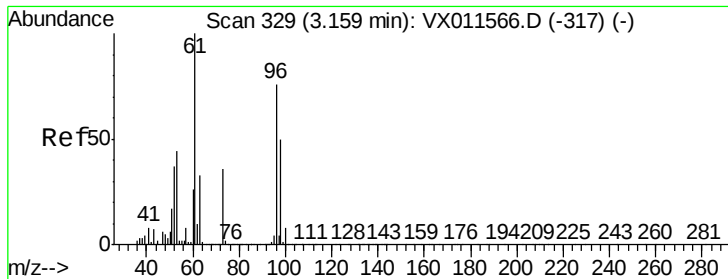
84 100

49 116.2 92.4 138.6

51 35.4 28.5 42.7

86 66.7 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 58.294 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

PH2-0142MS

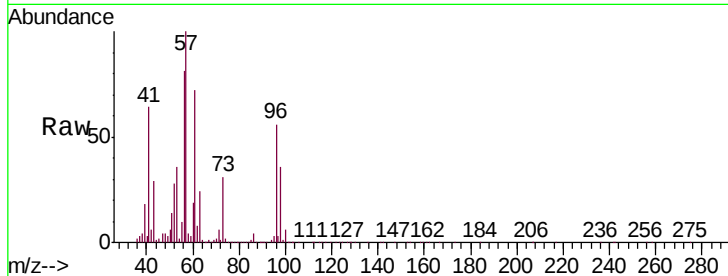
Tgt Ion: 96 Resp: 160136

Ion Ratio Lower Upper

96 100

61 127.4 105.5 158.3

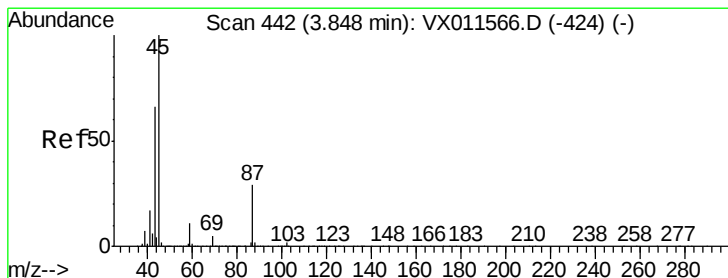
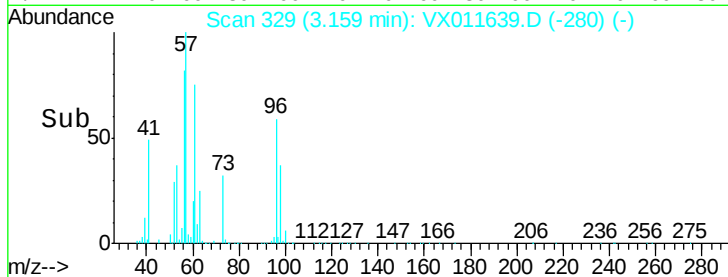
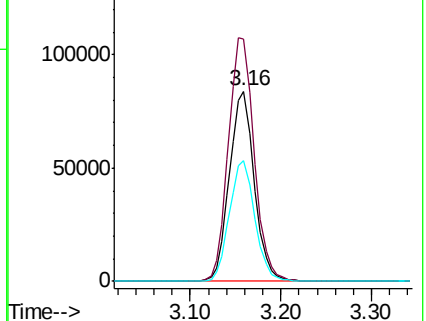
98 63.1 52.6 78.8



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



#22

Diisopropyl ether

Concen: 60.322 ug/l

RT: 3.85 min Scan# 442

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Tgt Ion: 45 Resp: 518033

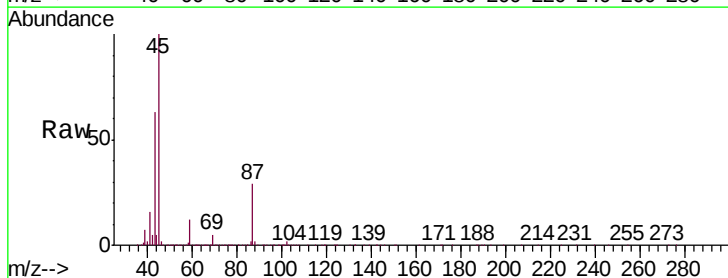
Ion Ratio Lower Upper

45 100

43 63.0 52.7 79.1

87 28.7 23.5 35.3

59 11.5 9.0 13.4

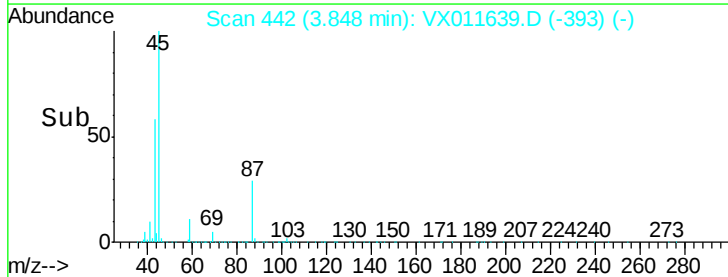
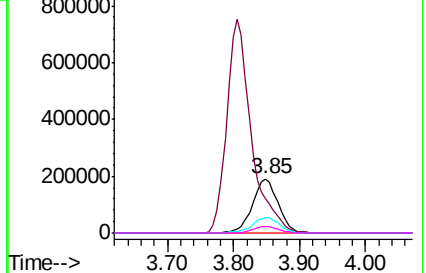


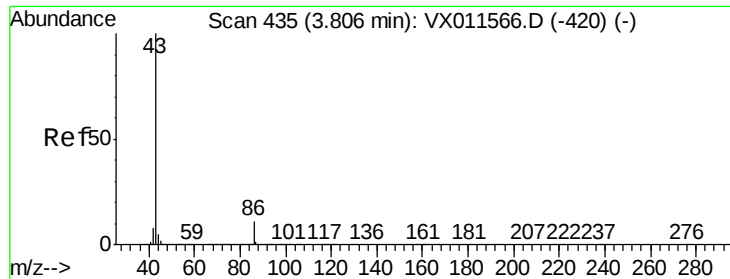
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 284.884 ug/l

RT: 3.81 min Scan# 435

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

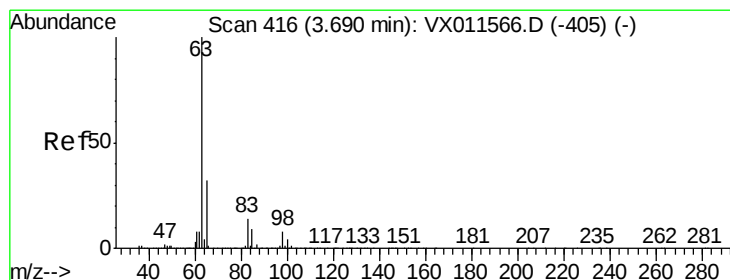
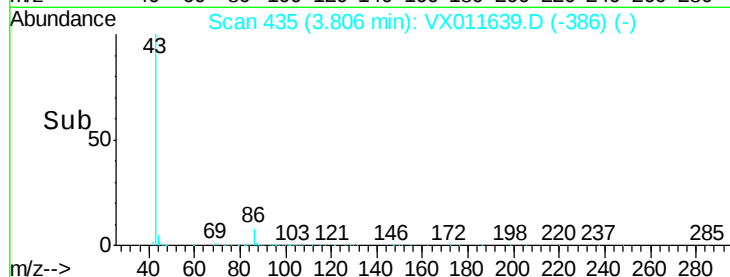
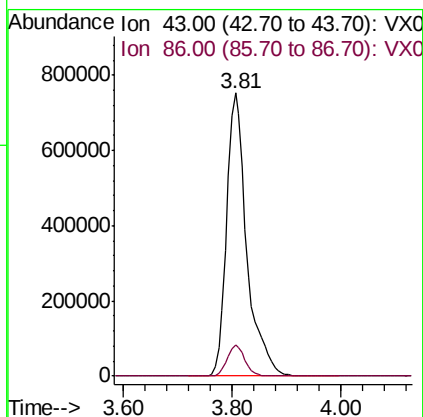
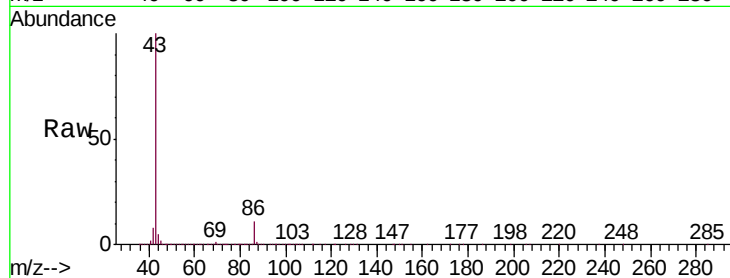
PH2-0142MS

Tgt Ion: 43 Resp: 1937316

Ion Ratio Lower Upper

43 100

86 11.0 8.6 13.0



#24

1,1-Dichloroethane

Concen: 58.959 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

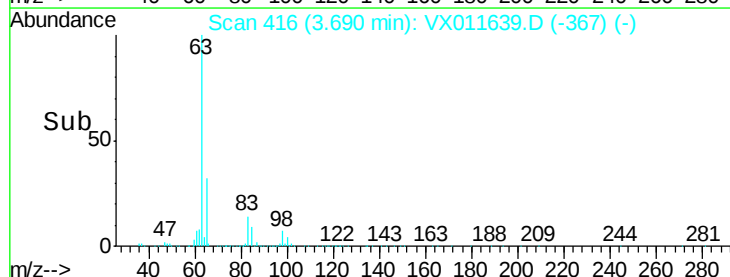
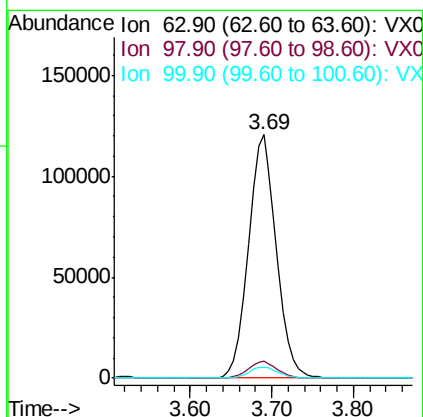
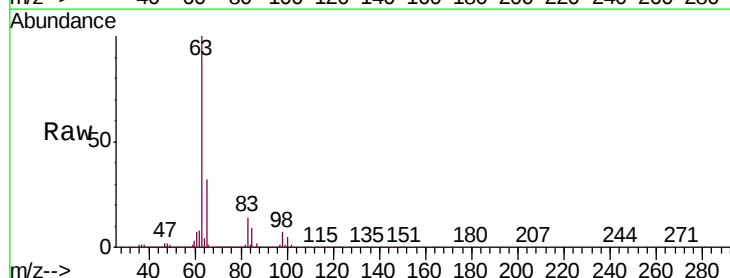
Tgt Ion: 63 Resp: 286269

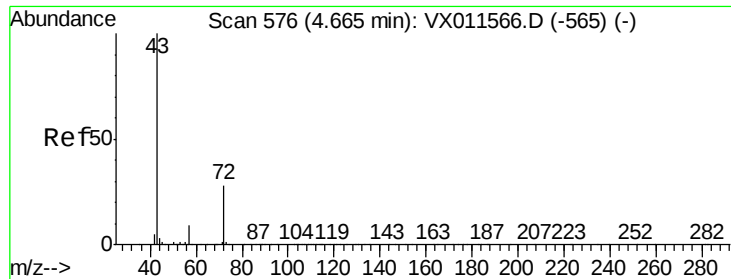
Ion Ratio Lower Upper

63 100

98 7.1 3.7 11.1

100 4.5 2.1 6.3





#25

2-Butanone

Concen: 300.747 ug/l

RT: 4.66 min Scan# 575

Delta R.T. -0.01 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

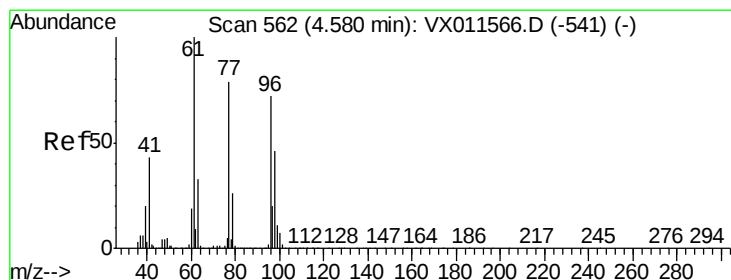
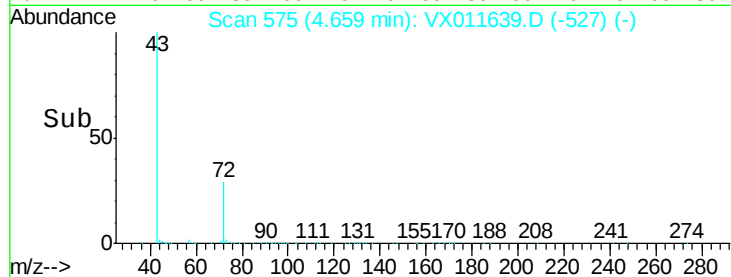
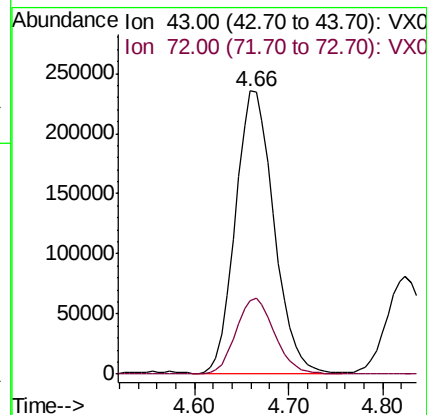
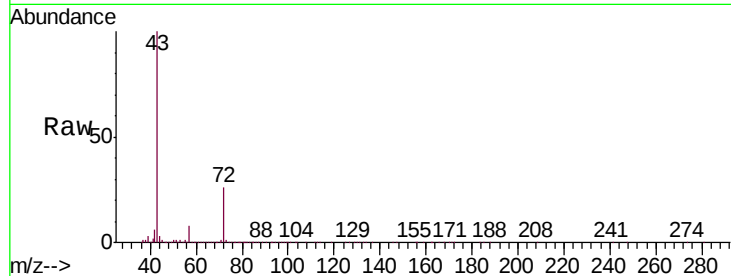
PH2-0142MS

Tgt Ion: 43 Resp: 669336

Ion Ratio Lower Upper

43 100

72 25.7 22.2 33.4



#26

2,2-Dichloropropane

Concen: 50.667 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX011639.D

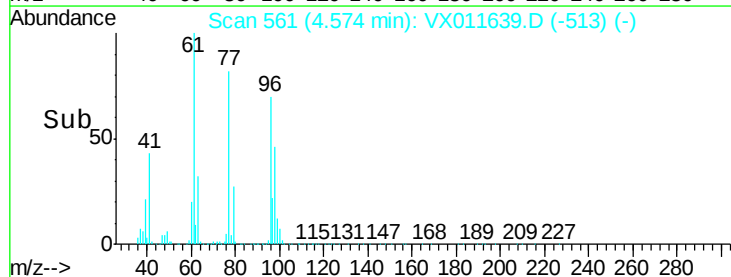
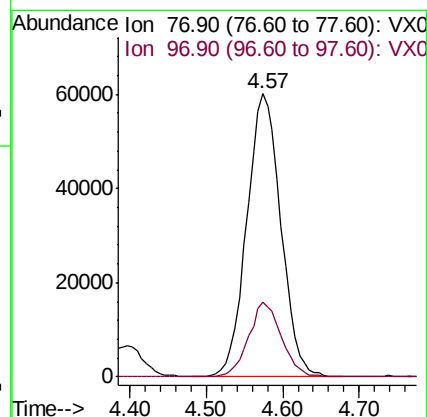
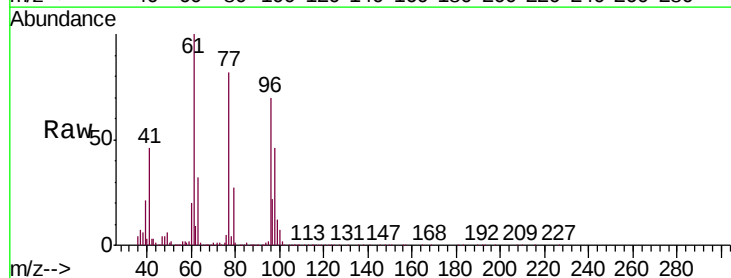
Acq: 19 Aug 2019 18:03

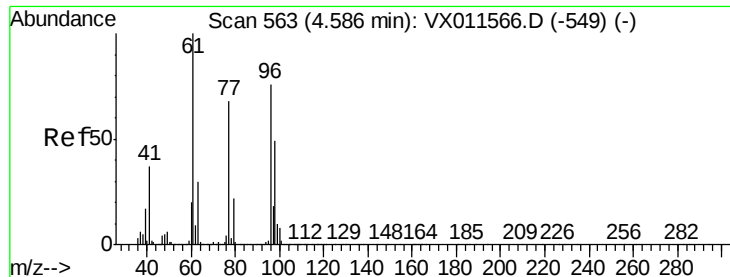
Tgt Ion: 77 Resp: 185154

Ion Ratio Lower Upper

77 100

97 25.7 12.4 37.2



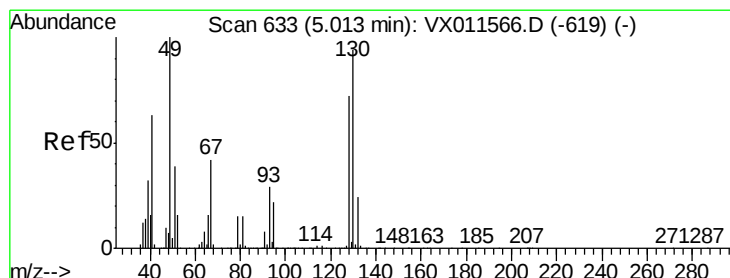
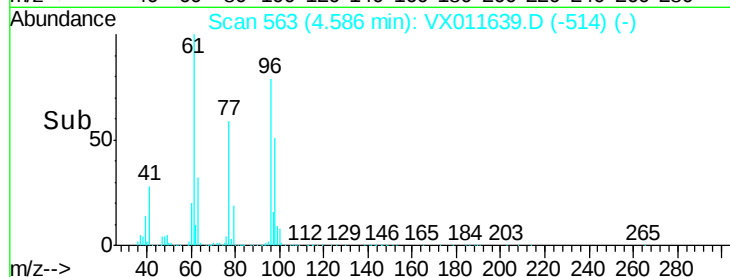
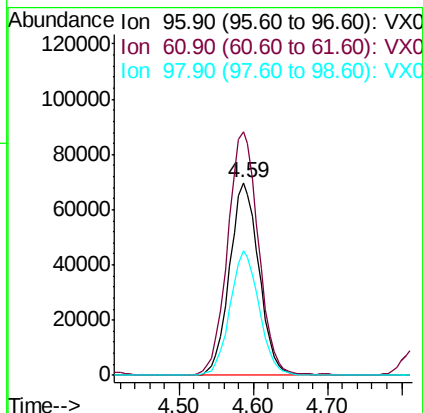
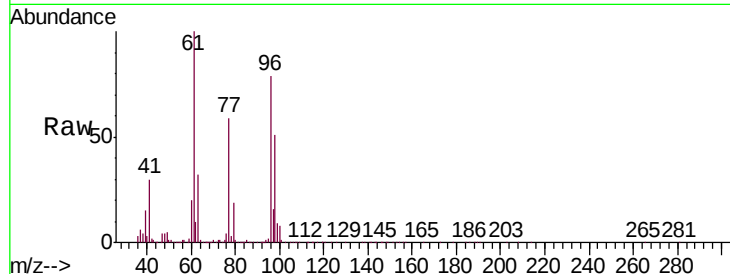


#27

cis-1,2-Dichloroethene
Concen: 60.238 ug/l
RT: 4.59 min Scan# 563
Delta R.T. -0.00 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Instrument :
MSVOA_X
ClientSampleId :
PH2-0142MS

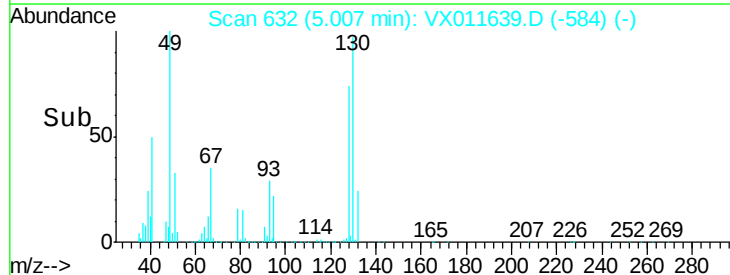
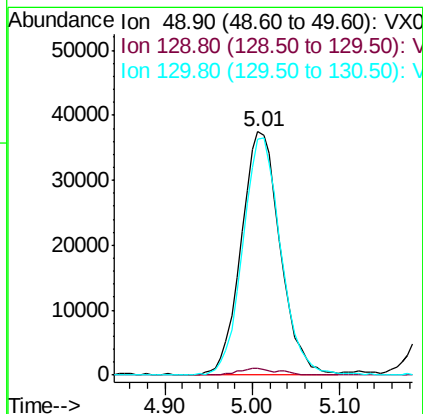
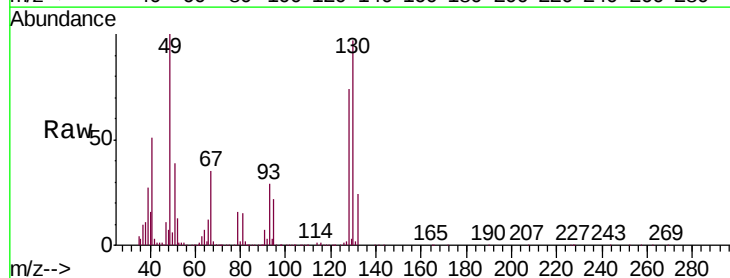
Tgt Ion	Ratio	Lower	Upper
96	100		
61	131.4	0.0	272.6
98	64.1	0.0	129.4

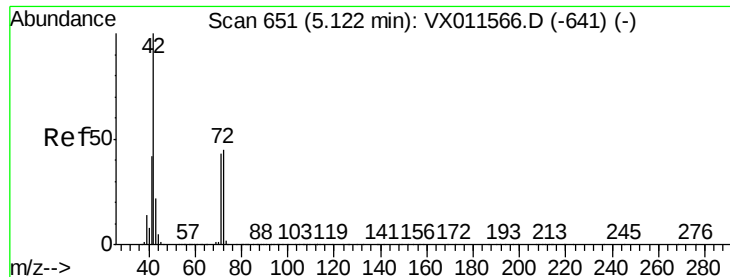


#28

Bromochloromethane
Concen: 54.568 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	5.0
130	94.8	76.6	115.0





#29

Tetrahydrofuran

Concen: 300.971 ug/l

RT: 5.12 min Scan# 650

Delta R.T. -0.01 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

PH2-0142MS

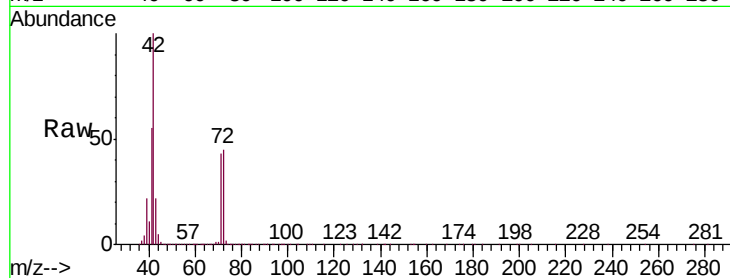
Tgt Ion: 42 Resp: 439393

Ion Ratio Lower Upper

42 100

72 45.6 36.1 54.1

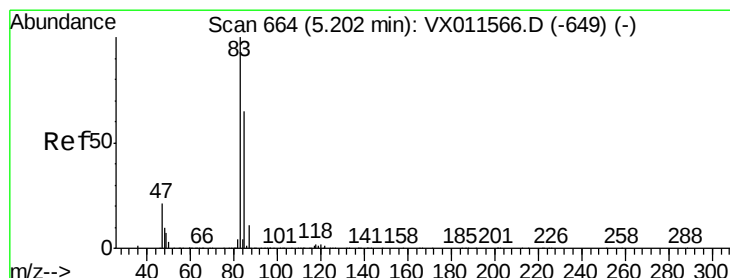
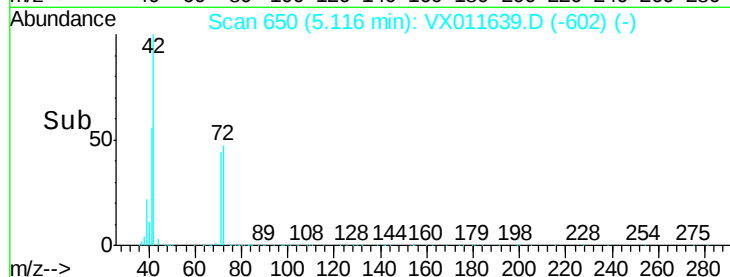
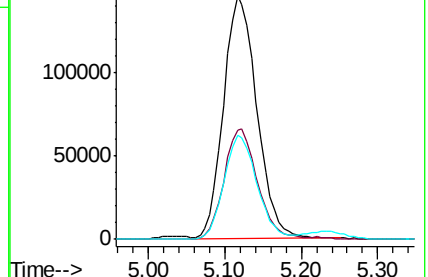
71 42.6 33.8 50.8



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 59.199 ug/l

RT: 5.20 min Scan# 664

Delta R.T. -0.00 min

Lab File: VX011639.D

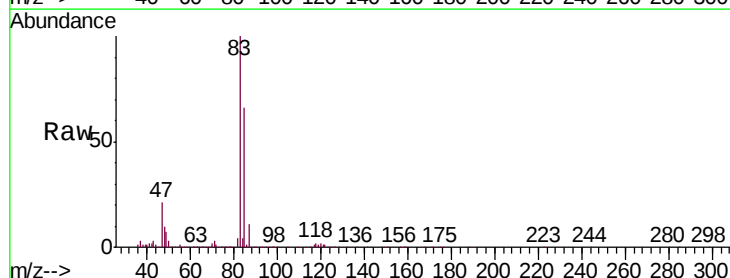
Acq: 19 Aug 2019 18:03

Tgt Ion: 83 Resp: 303346

Ion Ratio Lower Upper

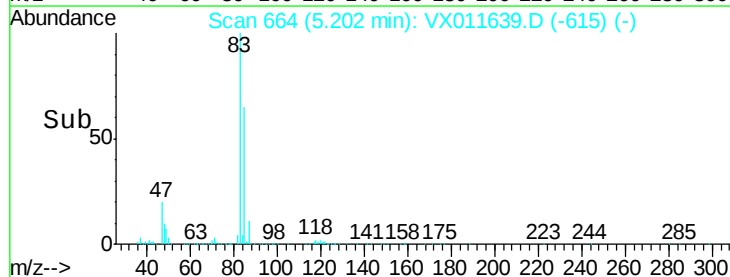
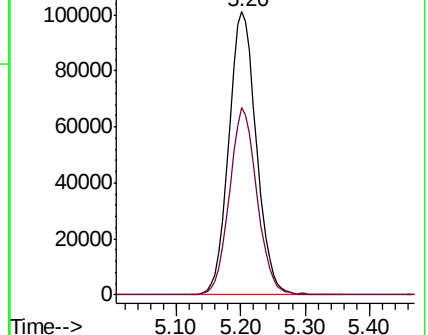
83 100

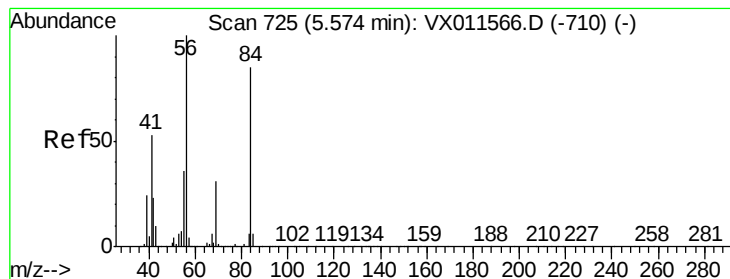
85 66.2 51.9 77.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 1078.690 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

PH2-0142MS

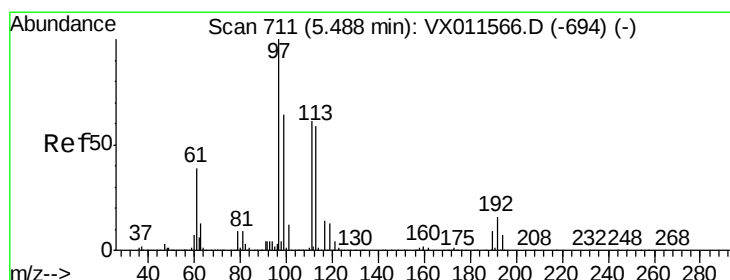
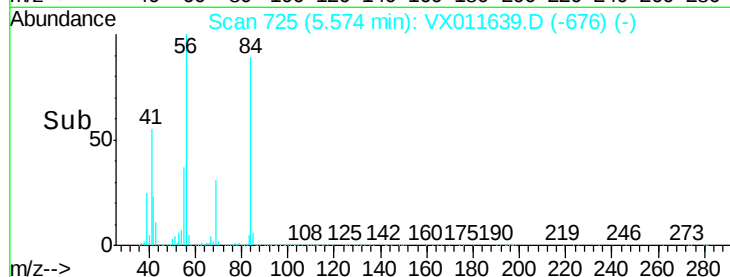
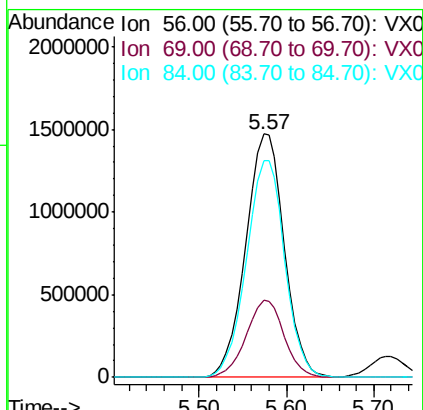
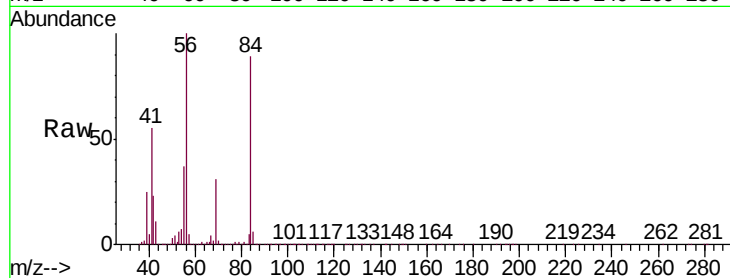
Tgt Ion: 56 Resp: 4509394

Ion Ratio Lower Upper

56 100

69 31.5 24.8 37.2

84 88.8 67.9 101.9



#32

1,1,1-Trichloroethane

Concen: 60.626 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

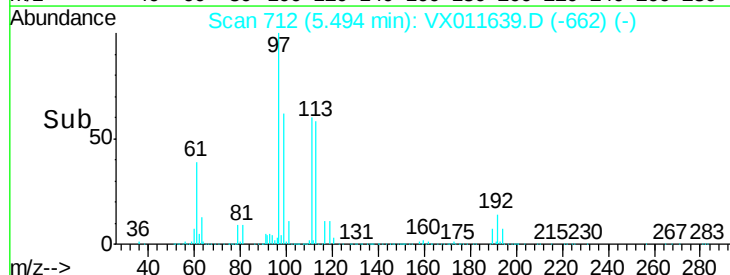
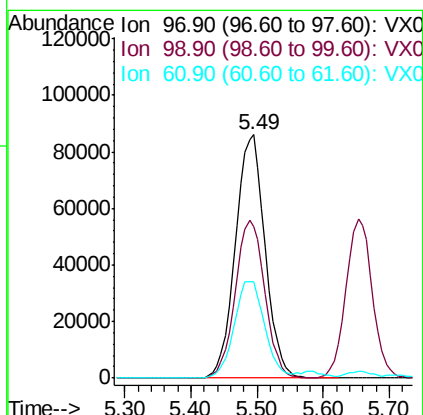
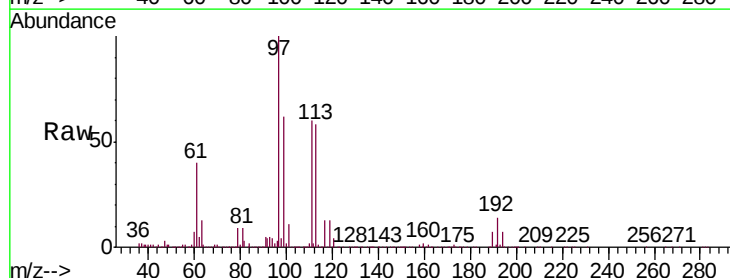
Tgt Ion: 97 Resp: 267120

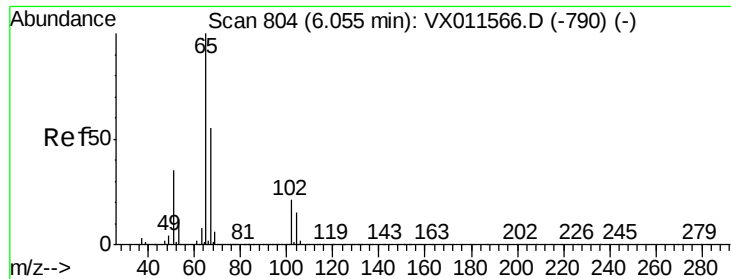
Ion Ratio Lower Upper

97 100

99 64.7 51.4 77.0

61 40.9 31.4 47.2





#33

1,2-Dichloroethane-d4

Concen: 56.691 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

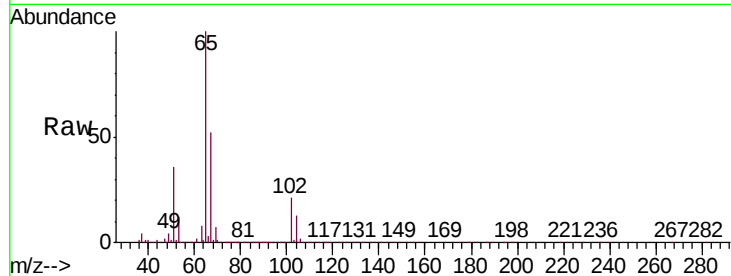
PH2-0142MS

Tgt Ion: 65 Resp: 159833

Ion Ratio Lower Upper

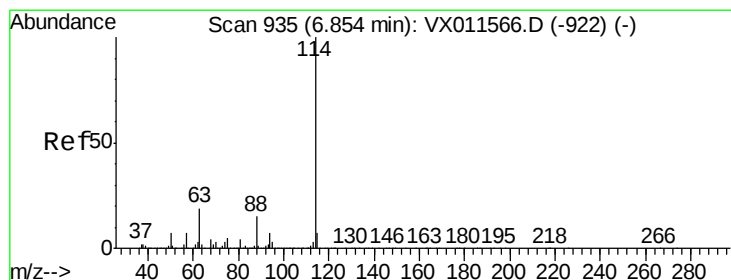
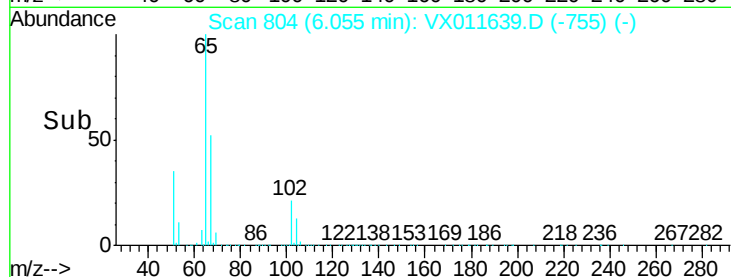
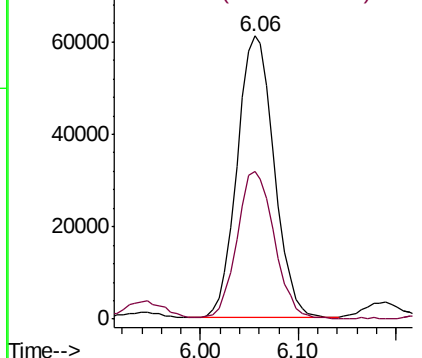
65 100

67 52.4 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

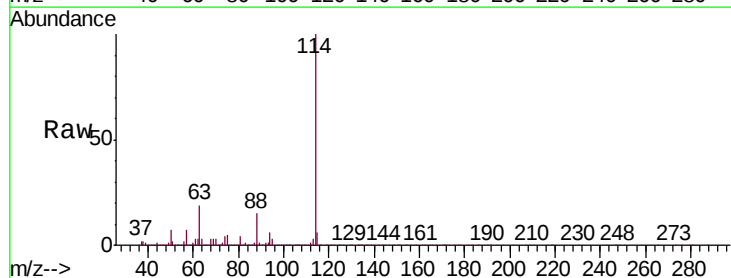
Tgt Ion: 114 Resp: 476980

Ion Ratio Lower Upper

114 100

63 19.1 0.0 37.8

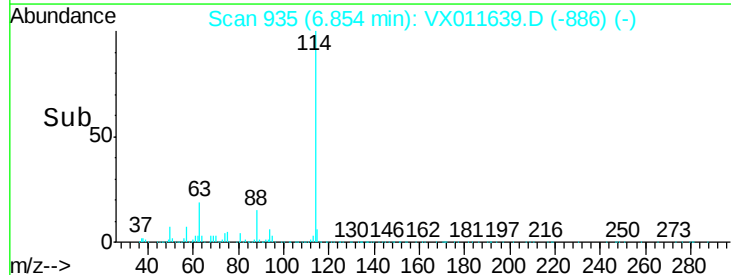
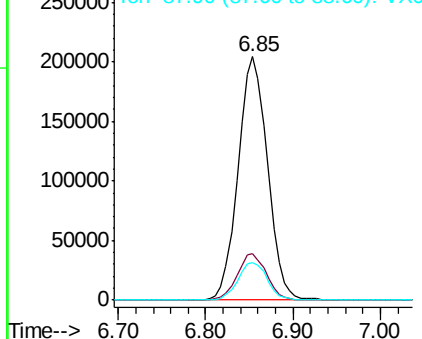
88 15.4 0.0 30.2

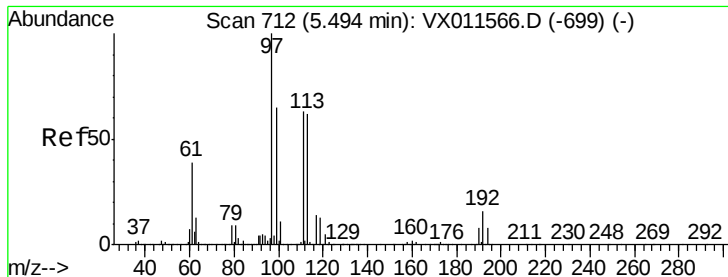


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.482 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

PH2-0142MS

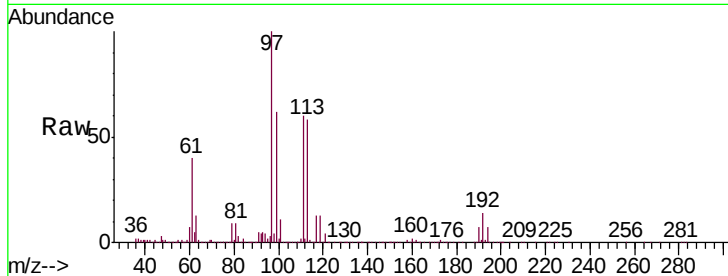
Tgt Ion:113 Resp: 145013

Ion Ratio Lower Upper

113 100

111 102.0 81.1 121.7

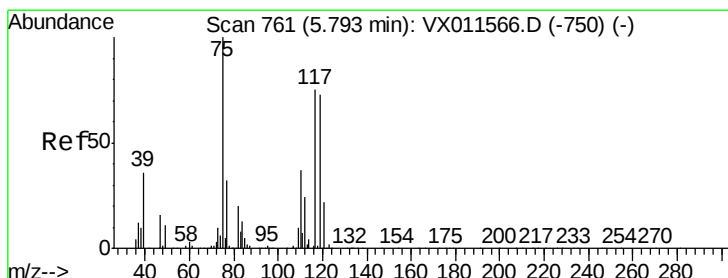
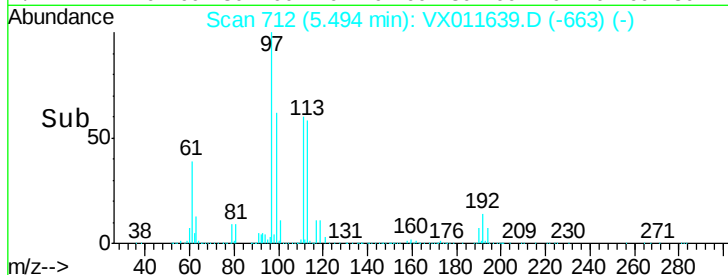
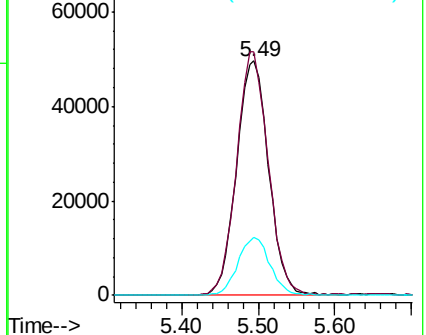
192 24.8 20.8 31.2



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: 51.747 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

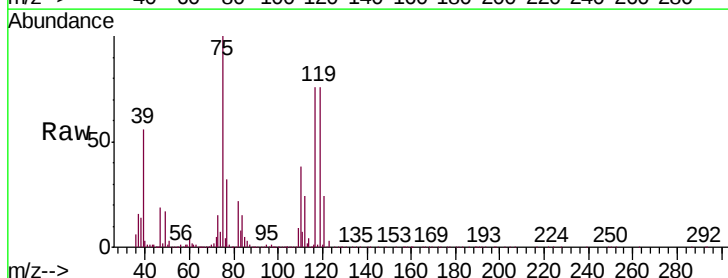
Tgt Ion: 75 Resp: 211032

Ion Ratio Lower Upper

75 100

110 37.9 19.4 58.1

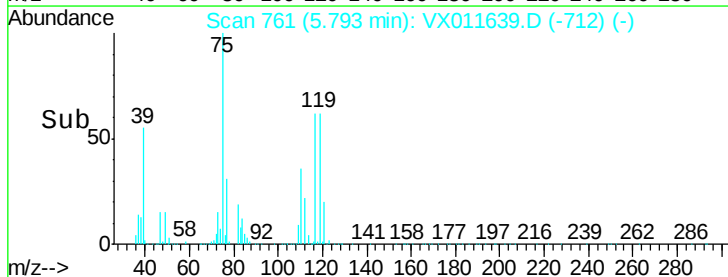
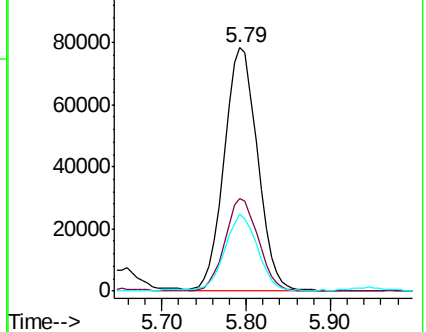
77 30.4 25.1 37.7

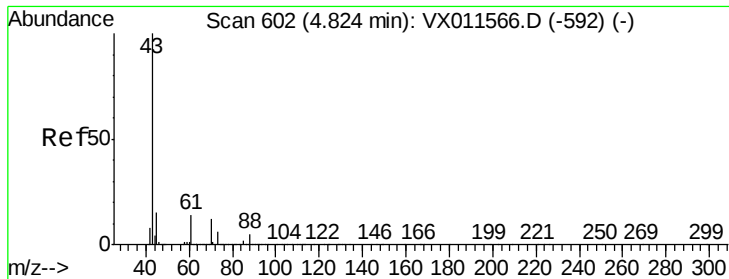


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

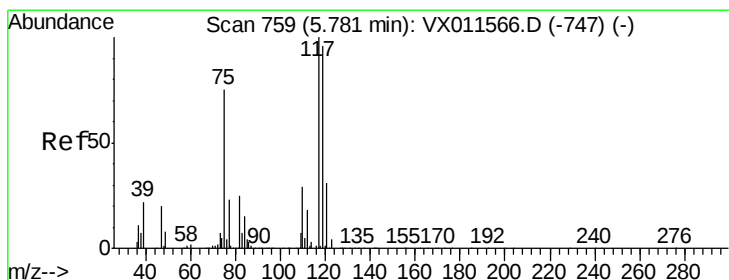
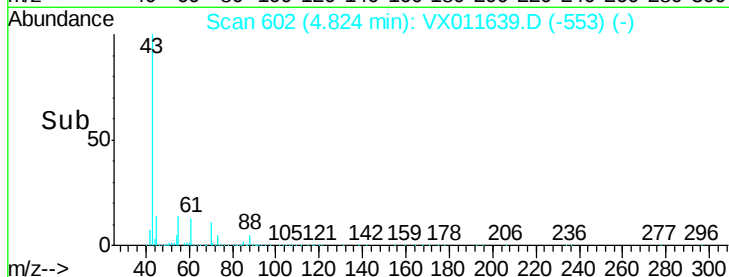
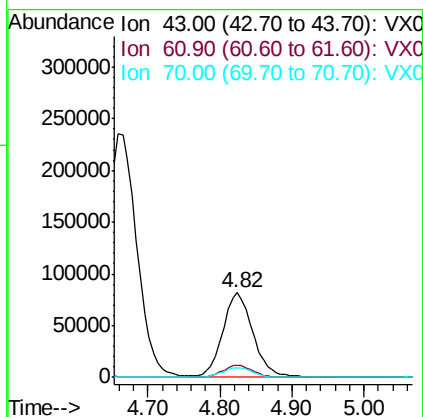
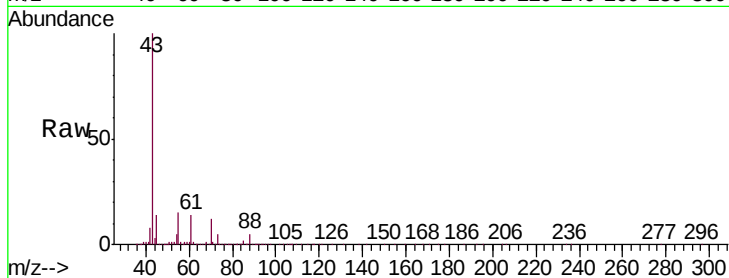




#37
Ethyl Acetate
Concen: 50.649 ug/l
RT: 4.82 min Scan# 602
Delta R.T. -0.00 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

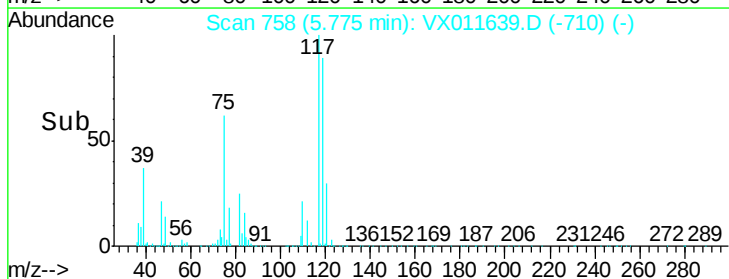
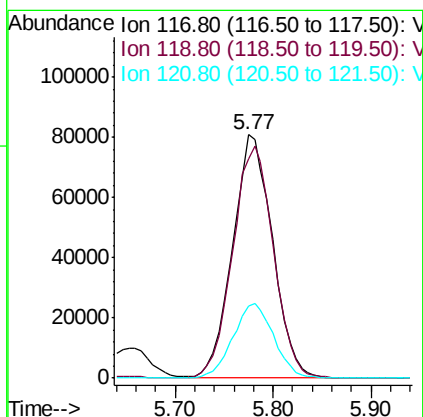
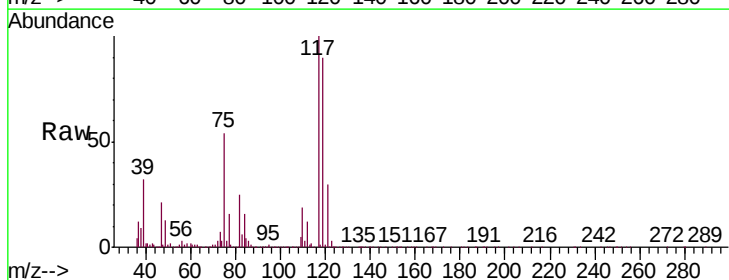
Instrument :
MSVOA_X
ClientSampleId :
PH2-0142MS

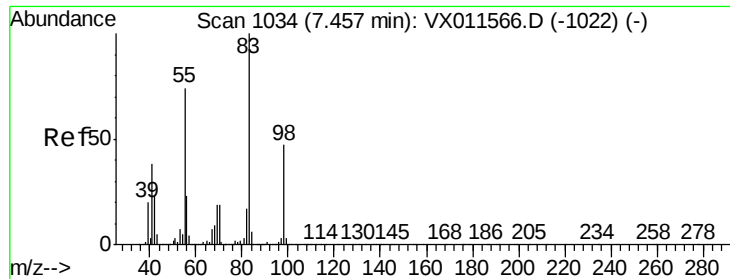
Tgt Ion: 43 Resp: 237575
Ion Ratio Lower Upper
43 100
61 13.8 11.4 17.0
70 11.4 9.0 13.6



#38
Carbon Tetrachloride
Concen: 50.716 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Tgt Ion: 117 Resp: 227866
Ion Ratio Lower Upper
117 100
119 89.8 76.9 115.3
121 29.8 24.8 37.2

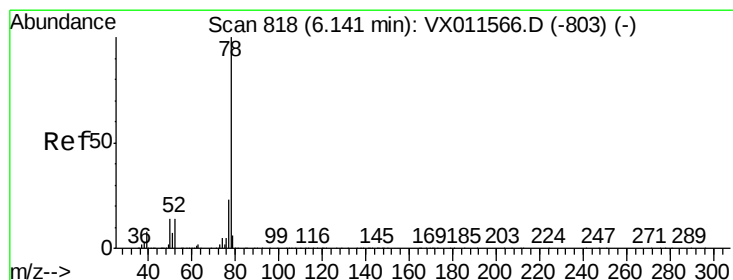
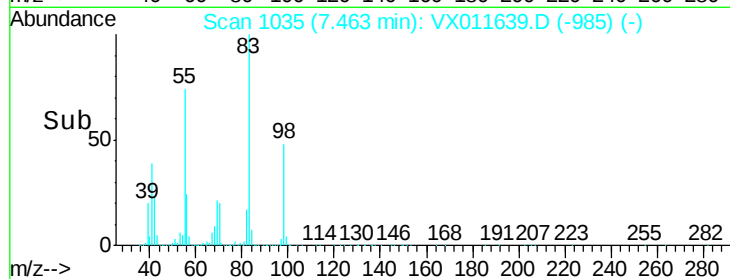
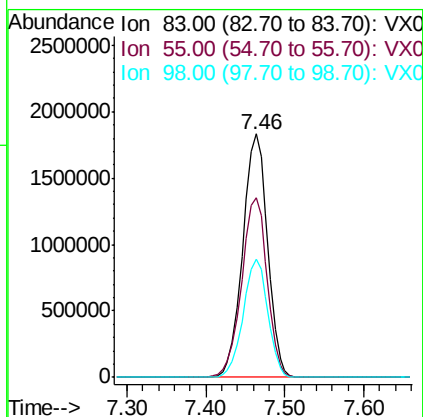
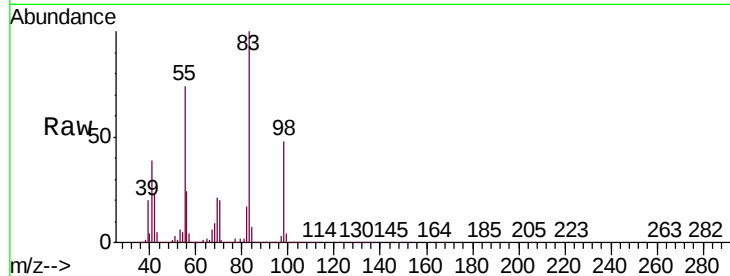




#39
Methylcyclohexane
Concen: 794.786 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

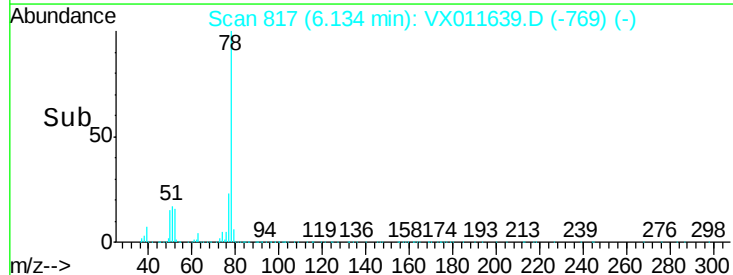
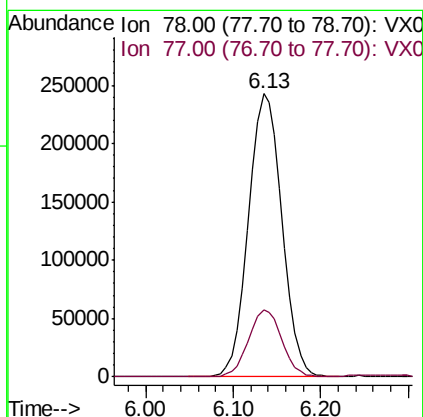
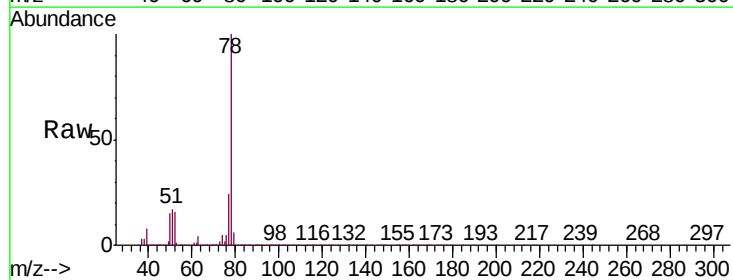
Instrument :
MSVOA_X
ClientSampleId :
PH2-0142MS

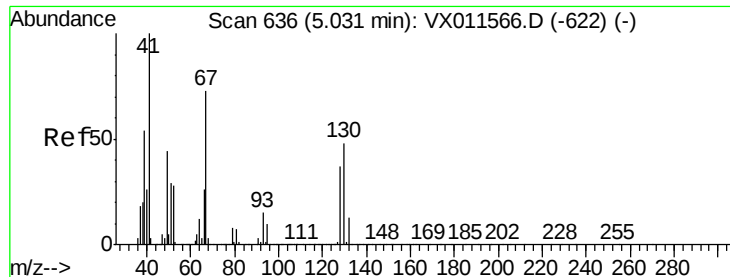
Tgt Ion: 83 Resp: 4002692
Ion Ratio Lower Upper
83 100
55 74.0 58.8 88.2
98 48.3 37.8 56.6



#40
Benzene
Concen: 50.907 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Tgt Ion: 78 Resp: 645156
Ion Ratio Lower Upper
78 100
77 23.5 18.6 28.0





#41

Methacrylonitrile

Concen: 54.951 ug/l

RT: 5.03 min Scan# 636

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

PH2-0142MS

Tgt Ion: 41 Resp: 141861

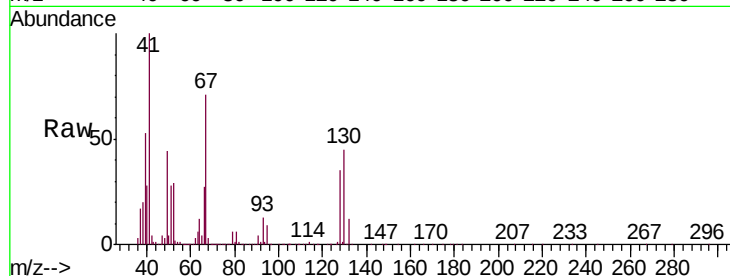
Ion Ratio Lower Upper

41 100

39 52.5 43.5 65.3

67 73.7 59.4 89.2

52 27.6 23.4 35.2

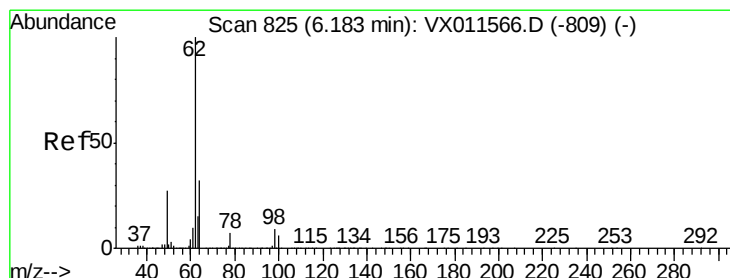
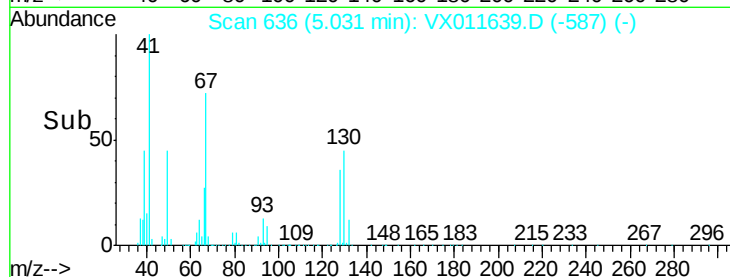
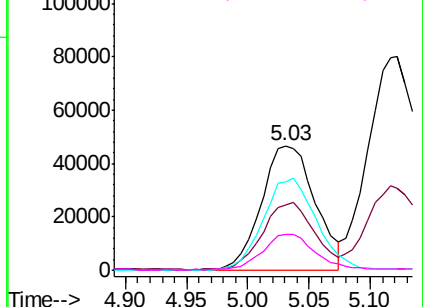


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 55.524 ug/l

RT: 6.19 min Scan# 826

Delta R.T. 0.01 min

Lab File: VX011639.D

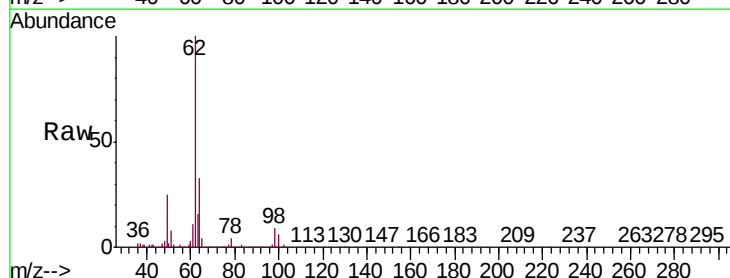
Acq: 19 Aug 2019 18:03

Tgt Ion: 62 Resp: 243792

Ion Ratio Lower Upper

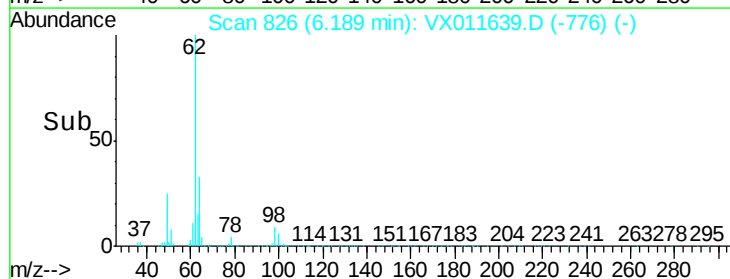
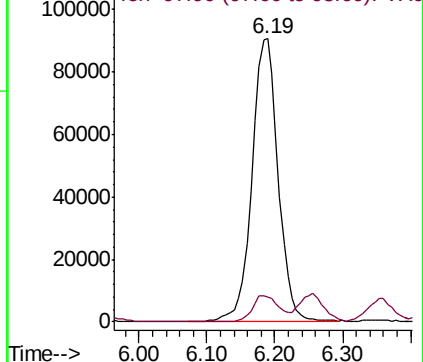
62 100

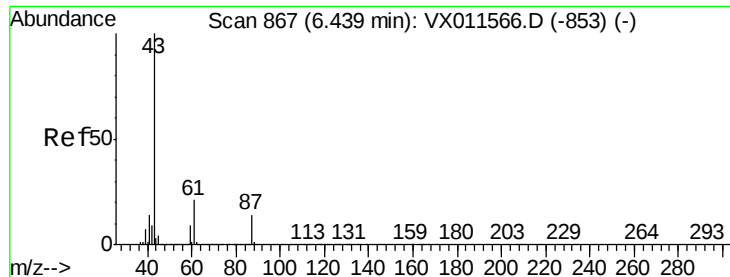
98 9.4 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



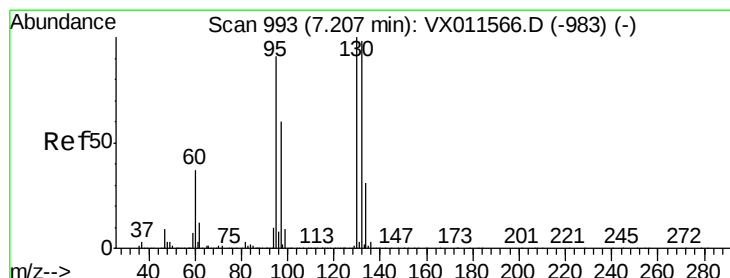
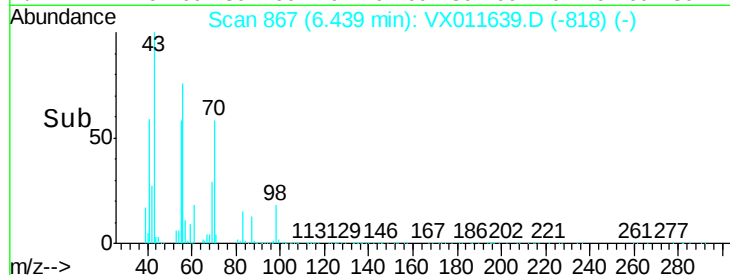
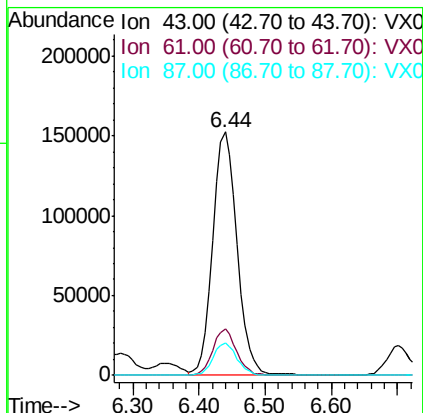
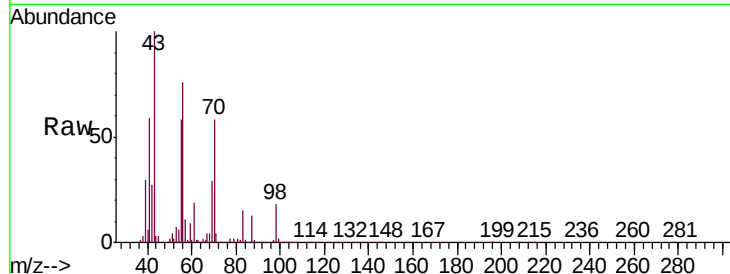


#43

Isopropyl Acetate
 Concen: 52.902 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.00 min
 Lab File: VX011639.D
 Acq: 19 Aug 2019 18:03

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0142MS

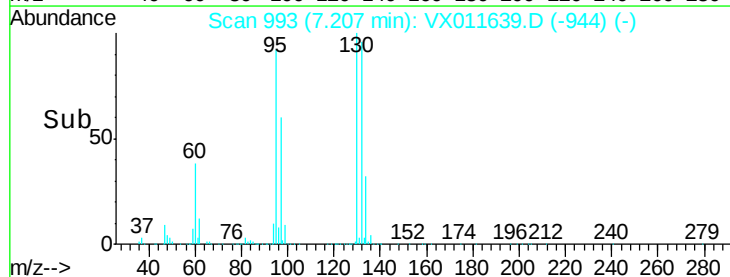
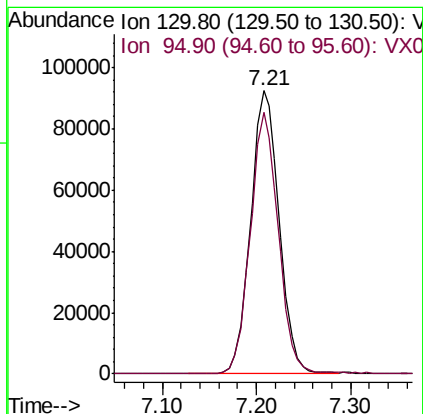
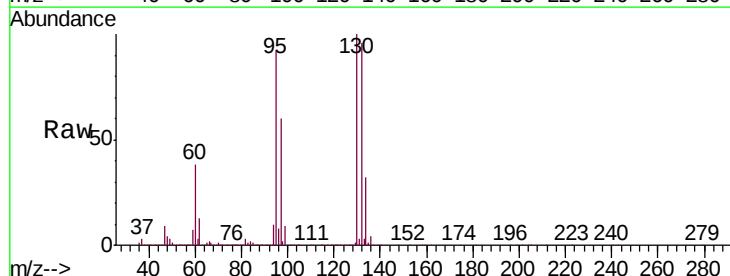
Tgt Ion	Ratio	Lower	Upper
43	100		
61	18.1	16.6	24.8
87	13.1	11.4	17.2

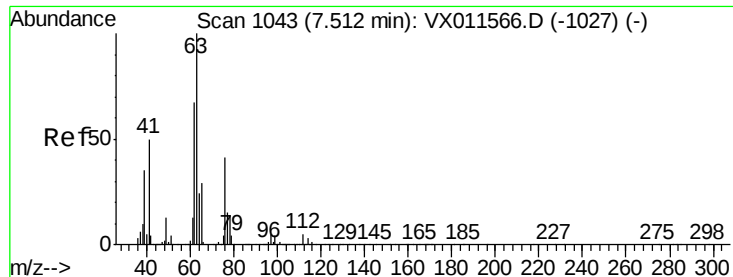


#44

Trichloroethene
 Concen: 52.381 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: VX011639.D
 Acq: 19 Aug 2019 18:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.2	0.0	181.4

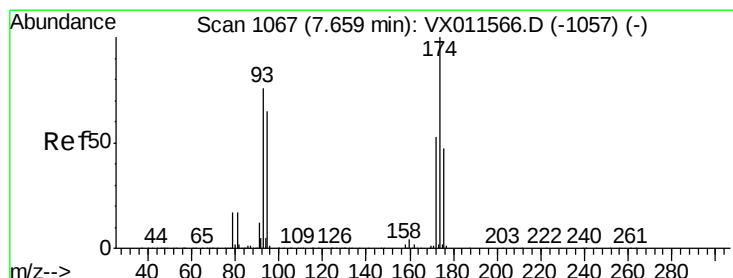
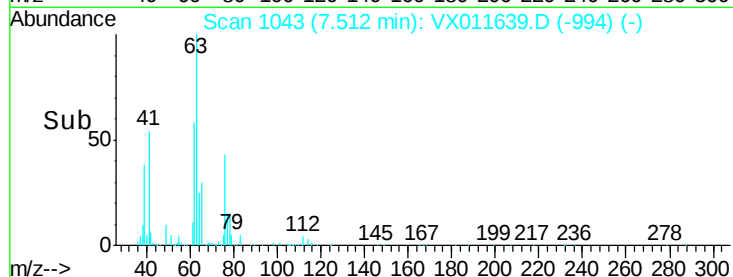
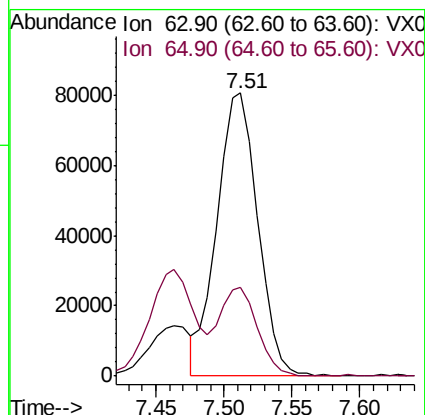
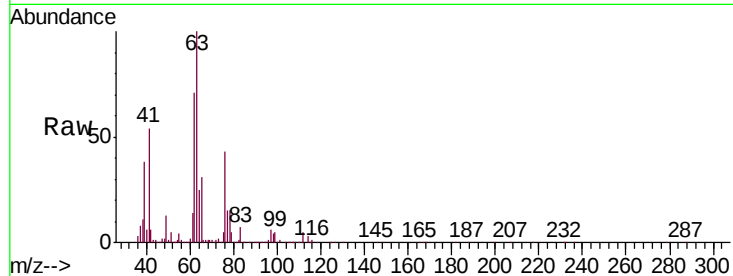




#45
 1,2-Dichloropropane
 Concen: 52.856 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX011639.D
 Acq: 19 Aug 2019 18:03

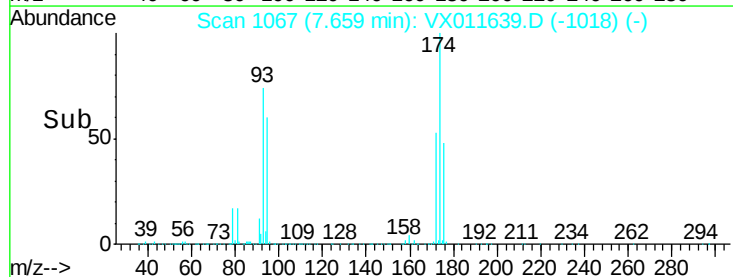
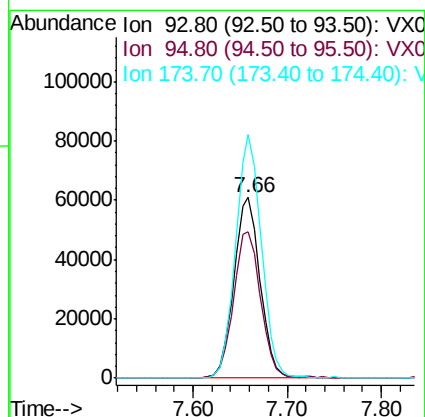
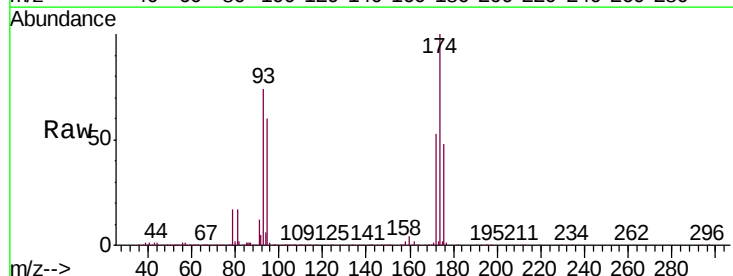
Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0142MS

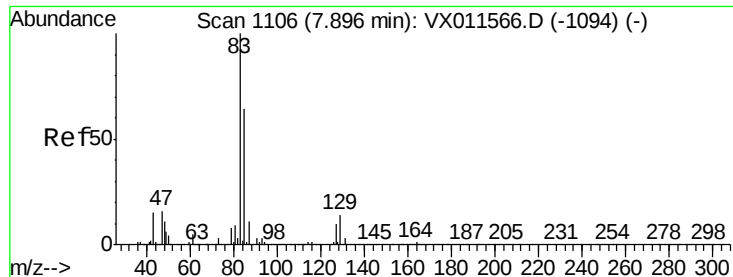
Tgt Ion: 63 Resp: 167056
 Ion Ratio Lower Upper
 63 100
 65 31.3 23.4 35.2



#46
 Dibromomethane
 Concen: 51.528 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX011639.D
 Acq: 19 Aug 2019 18:03

Tgt Ion: 93 Resp: 118347
 Ion Ratio Lower Upper
 93 100
 95 82.6 67.2 100.8
 174 132.2 105.5 158.3





#47

Bromodichloromethane

Concen: 53.178 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

PH2-0142MS

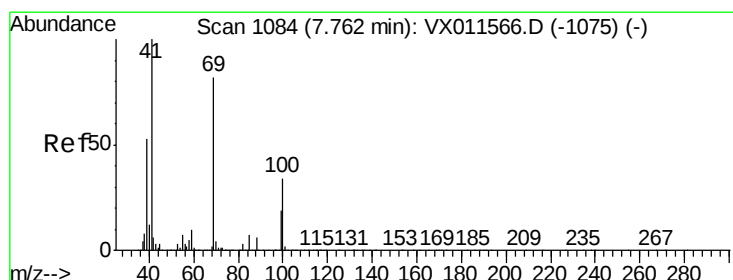
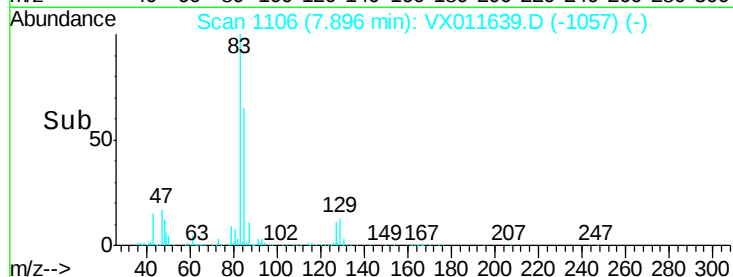
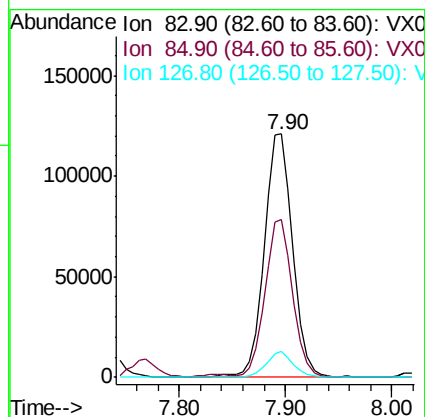
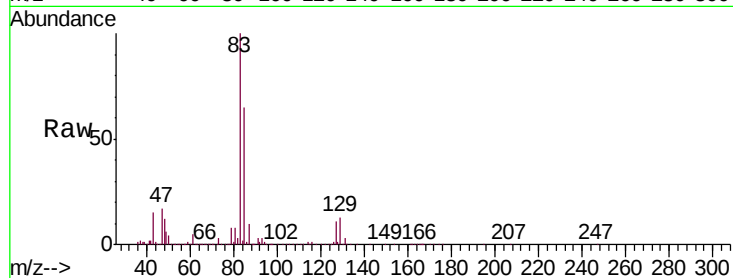
Tgt Ion: 83 Resp: 224259

Ion Ratio Lower Upper

83 100

85 64.9 51.2 76.8

127 10.7 8.1 12.1



#48

Methyl methacrylate

Concen: 56.170 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

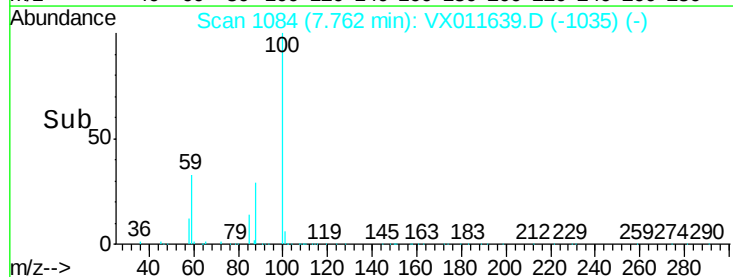
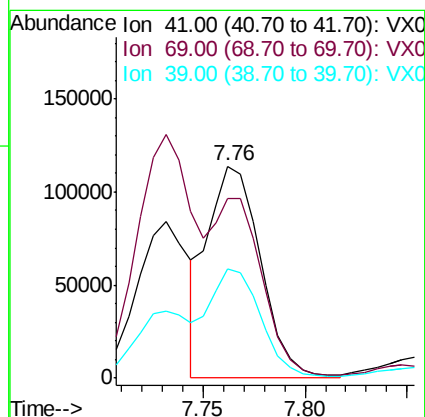
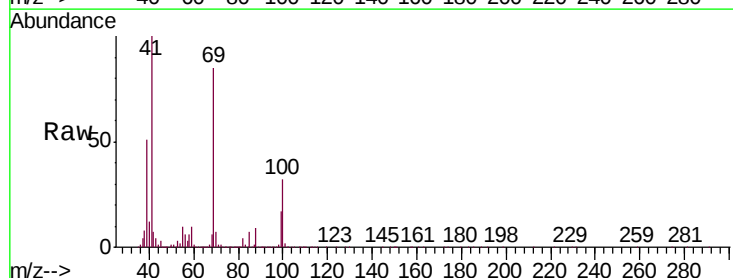
Tgt Ion: 41 Resp: 203622

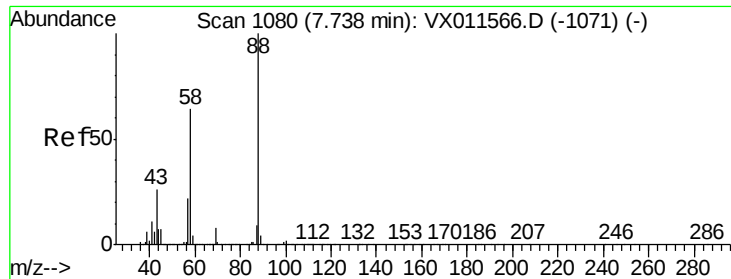
Ion Ratio Lower Upper

41 100

69 0.0 67.9 101.9#

39 50.9 41.6 62.4

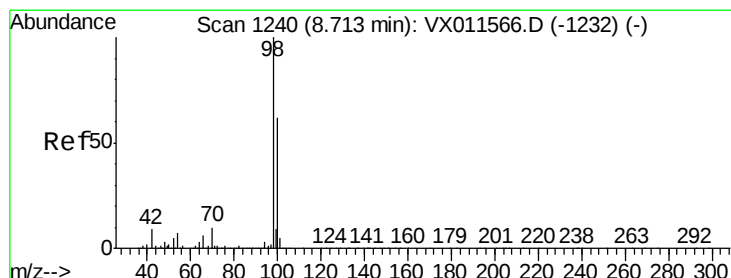
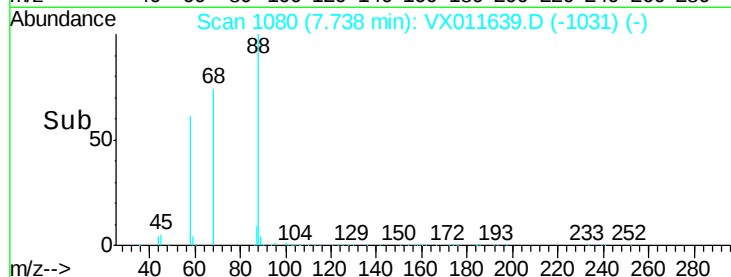
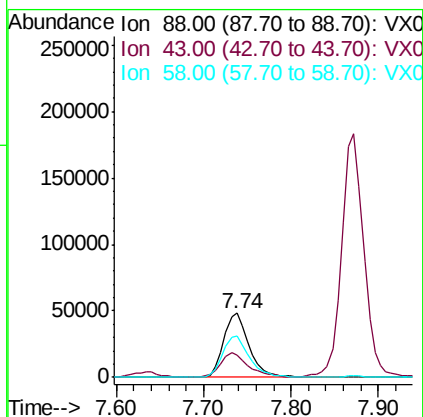
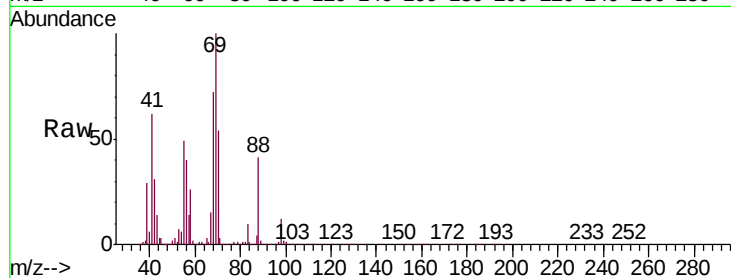




#49
1,4-Dioxane
Concen: 997.635 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

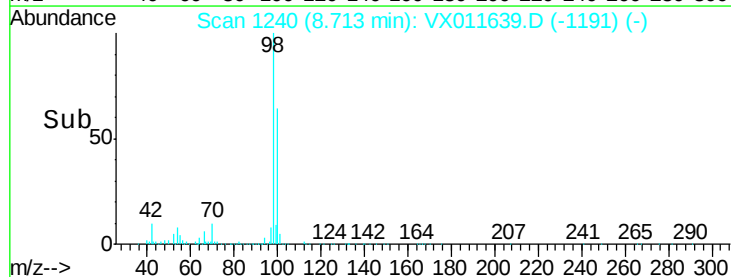
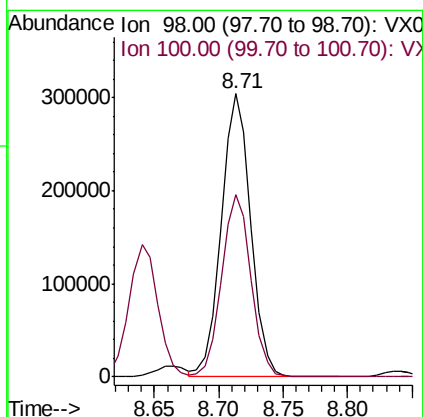
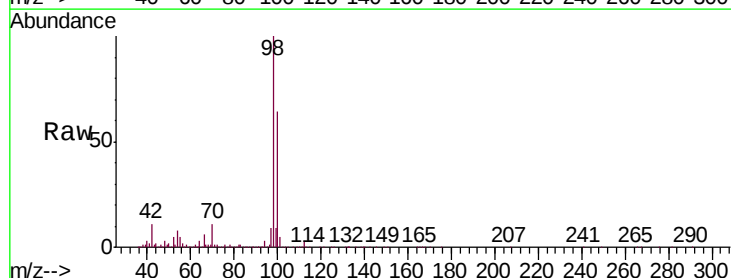
Instrument :
MSVOA_X
ClientSampleId :
PH2-0142MS

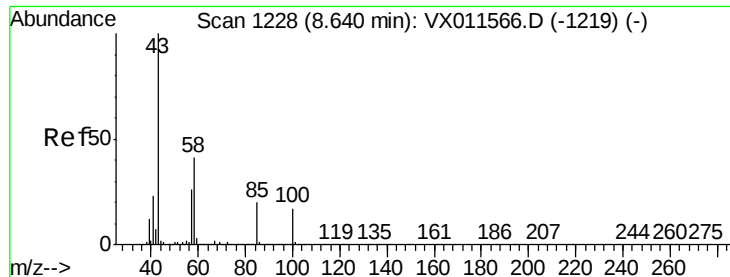
Tgt Ion: 88 Resp: 96191
Ion Ratio Lower Upper
88 100
43 40.8 23.4 35.0#
58 68.1 54.3 81.5



#50
Toluene-d8
Concen: 50.099 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Tgt Ion: 98 Resp: 486996
Ion Ratio Lower Upper
98 100
100 64.0 52.4 78.6

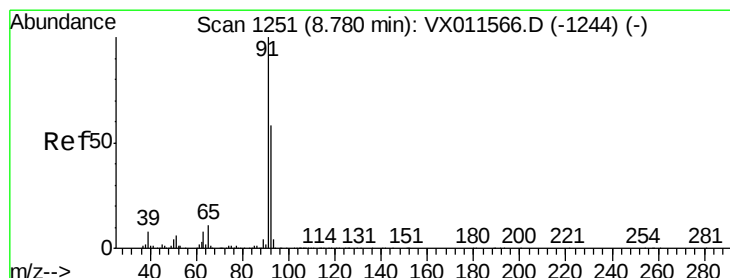
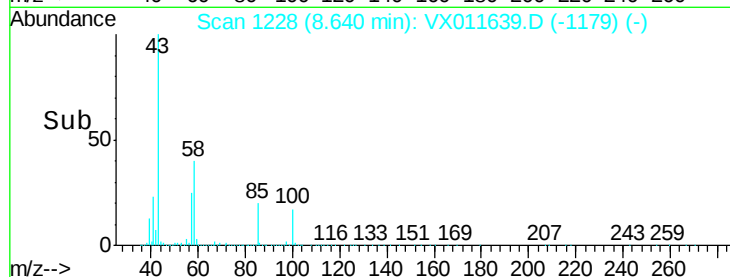
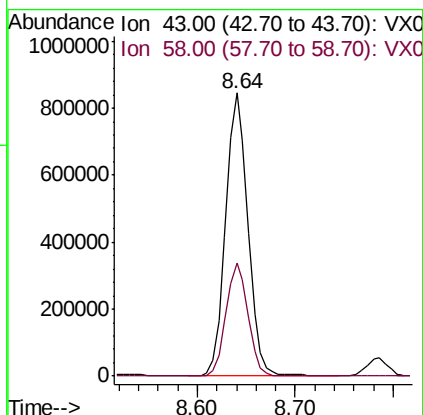
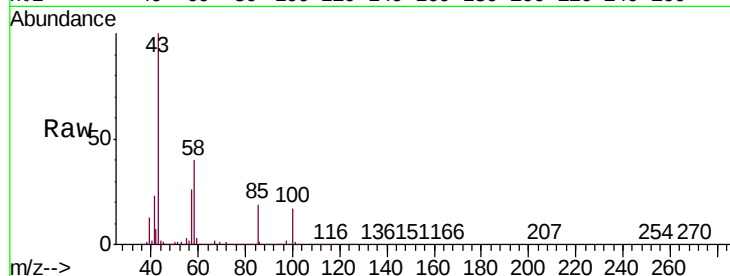




#51
4-Methyl-2-Pentanone
Concen: 278.065 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

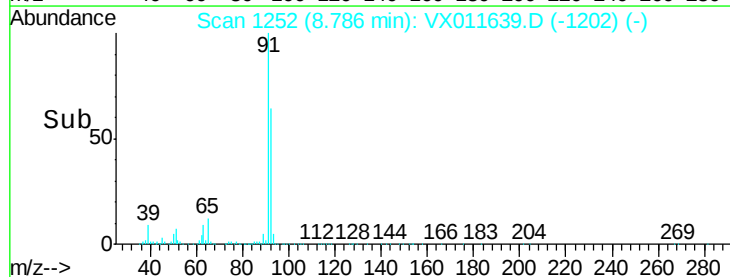
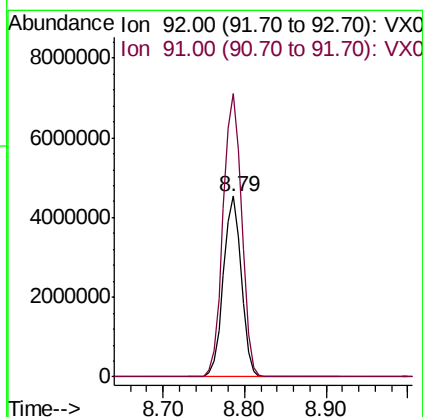
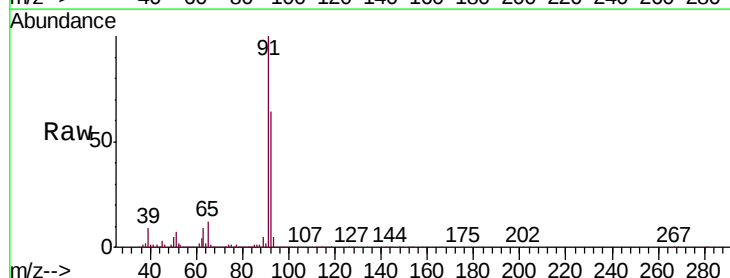
Instrument :
MSVOA_X
ClientSampleId :
PH2-0142MS

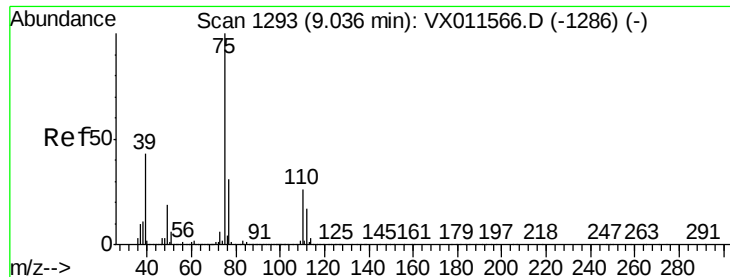
Tgt Ion: 43 Resp: 1332322
Ion Ratio Lower Upper
43 100
58 39.5 31.8 47.6



#52
Toluene
Concen: 852.366 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.01 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Tgt Ion: 92 Resp: 6881886
Ion Ratio Lower Upper
92 100
91 162.9 138.0 207.0





#53

t-1,3-Dichloropropene

Concen: 54.724 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

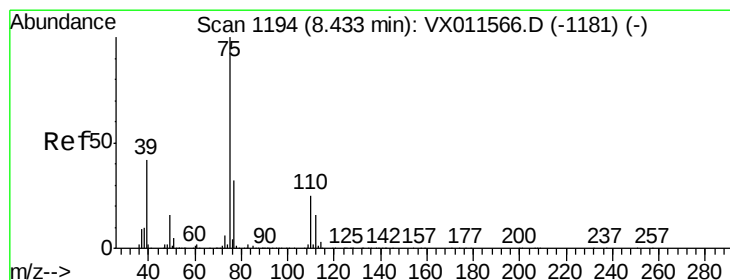
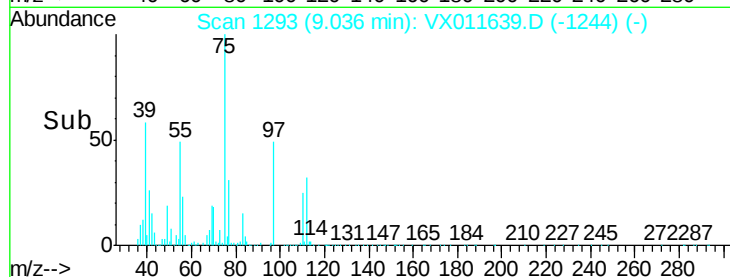
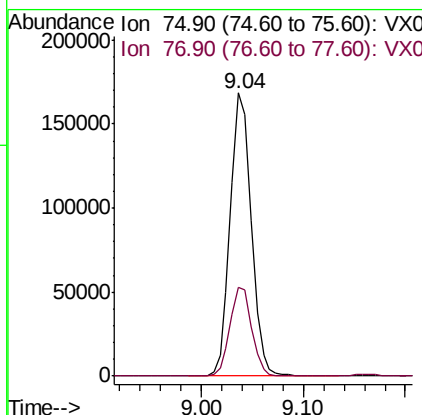
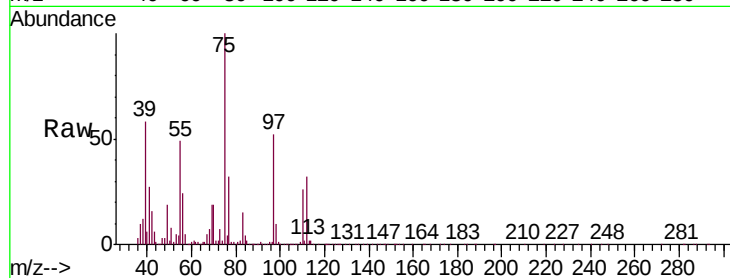
PH2-0142MS

Tgt Ion: 75 Resp: 239511

Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 54.836 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

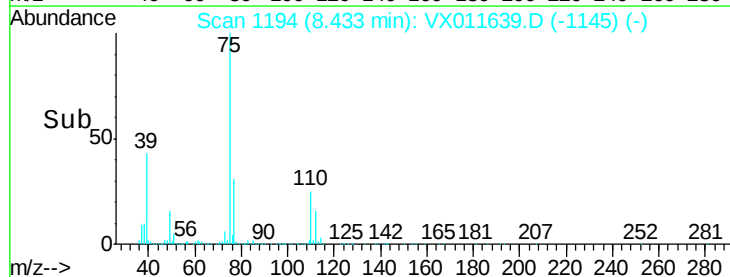
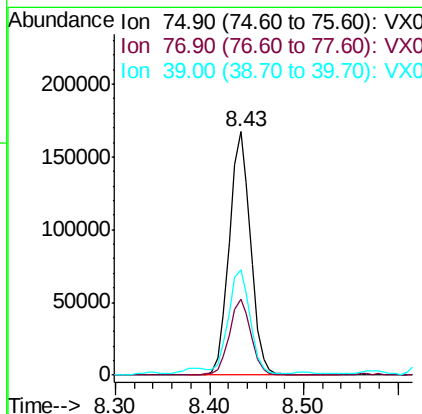
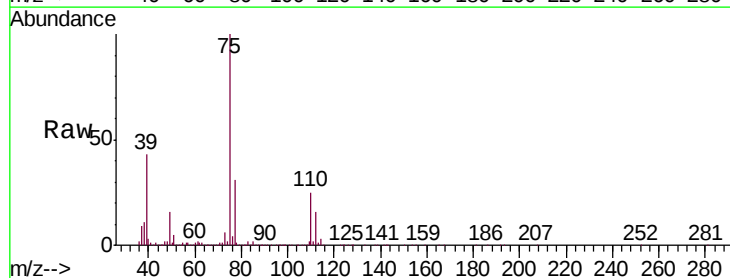
Tgt Ion: 75 Resp: 262651

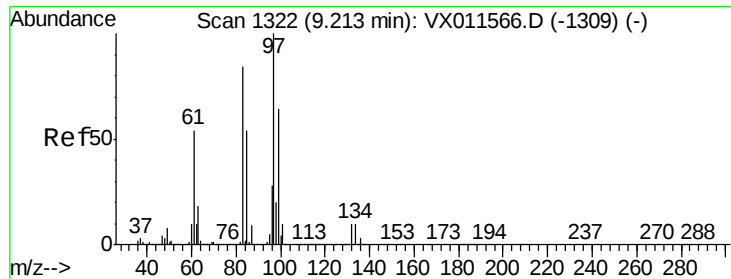
Ion Ratio Lower Upper

75 100

77 31.1 25.5 38.3

39 42.8 33.6 50.4

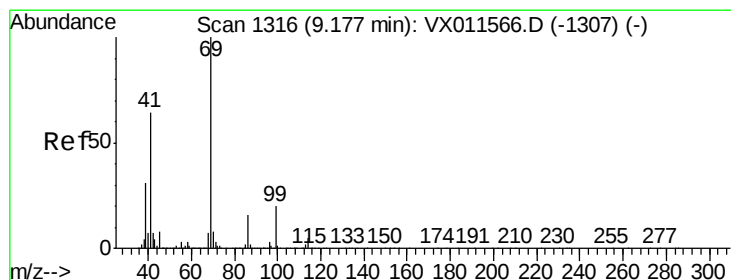
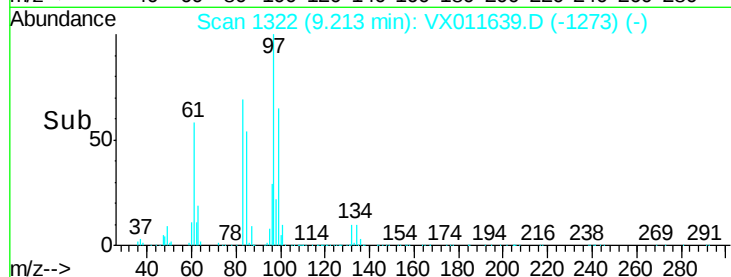
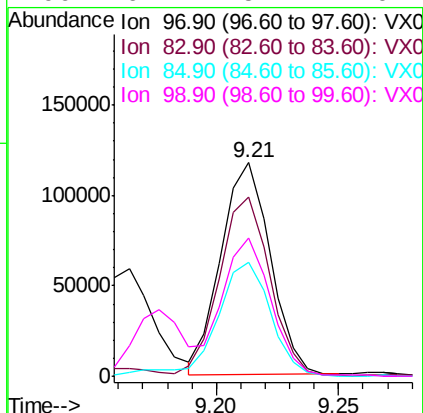
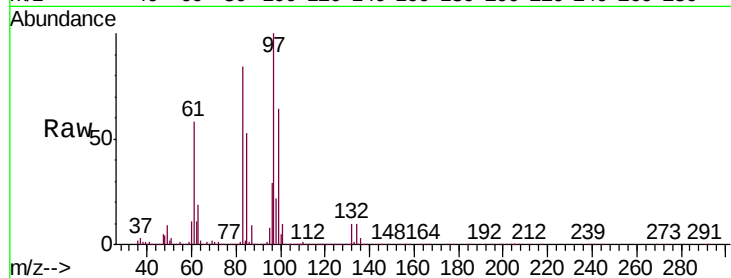




#55
 1,1,2-Trichloroethane
 Concen: 48.031 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX011639.D
 Acq: 19 Aug 2019 18:03

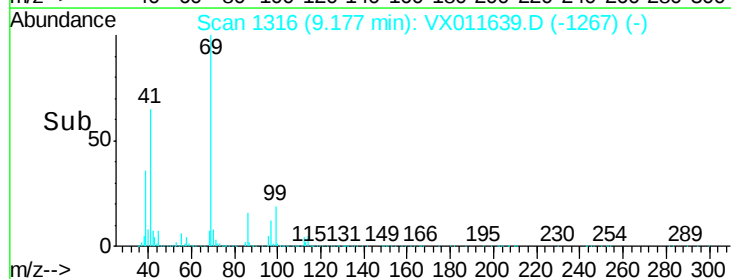
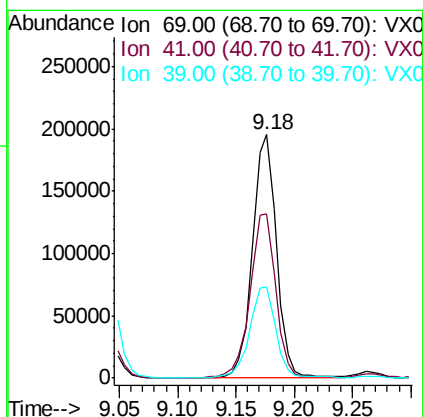
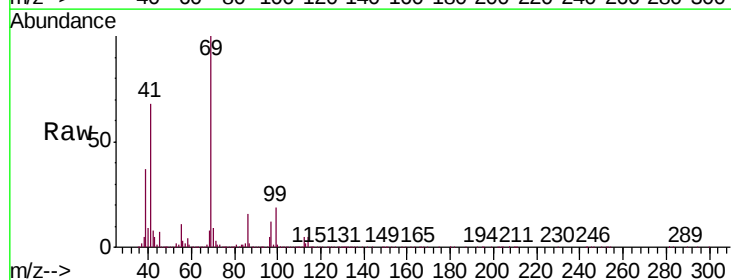
Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0142MS

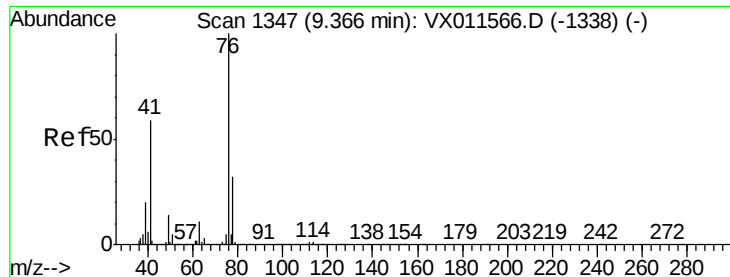
Tgt Ion:	97	Resp:	164910
Ion	Ratio	Lower	Upper
97	100		
83	84.1	67.4	101.0
85	53.6	43.4	65.2
99	64.7	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 56.572 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX011639.D
 Acq: 19 Aug 2019 18:03

Tgt Ion:	69	Resp:	282309
Ion	Ratio	Lower	Upper
69	100		
41	72.2	52.1	78.1
39	40.4	25.4	38.0





#57

1,3-Dichloropropane

Concen: 52.098 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

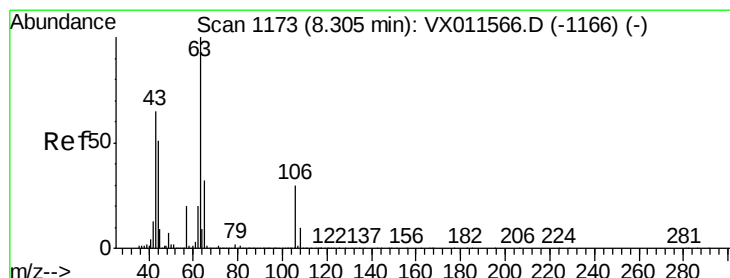
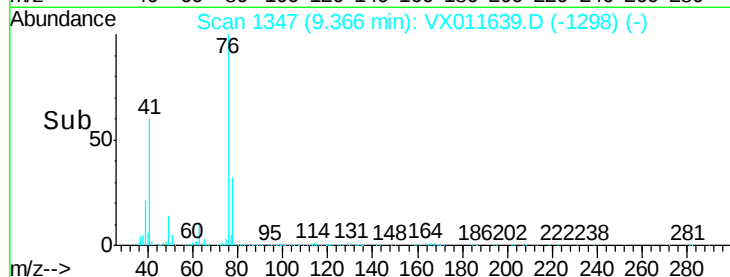
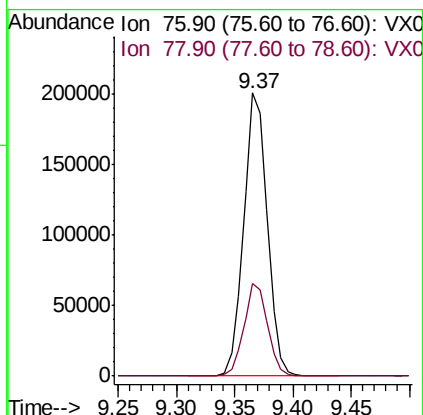
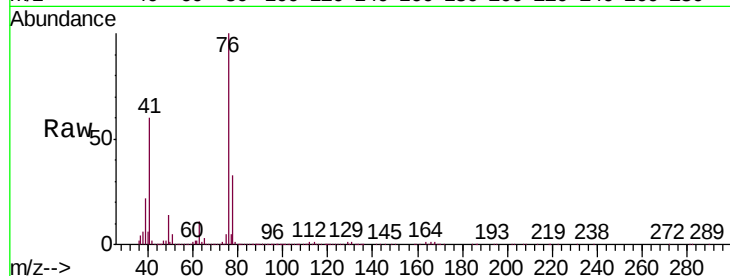
PH2-0142MS

Tgt Ion: 76 Resp: 284335

Ion Ratio Lower Upper

76 100

78 32.6 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 0.224 ug/l

RT: 8.38 min Scan# 1186

Delta R.T. 0.08 min

Lab File: VX011639.D

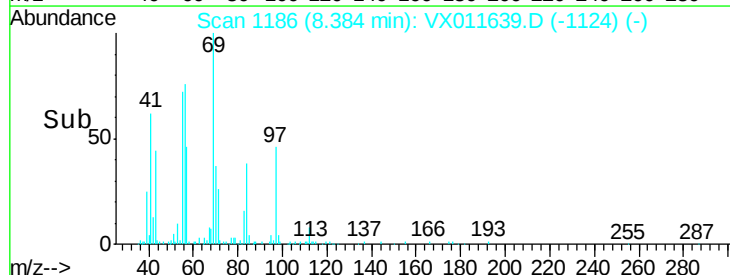
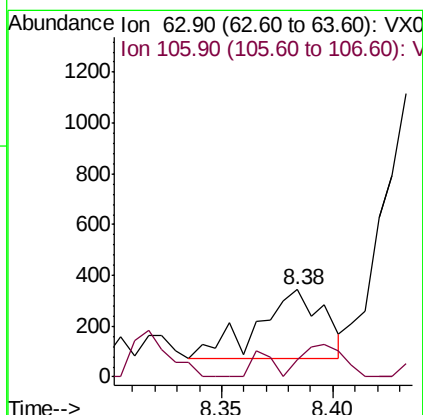
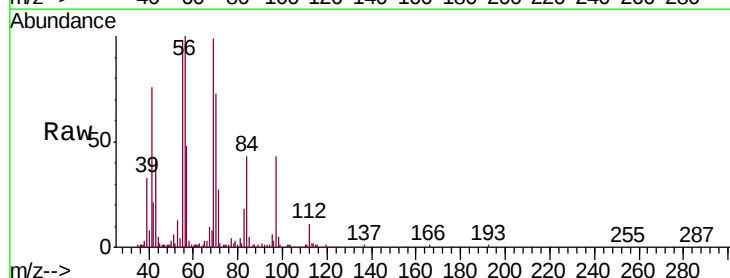
Acq: 19 Aug 2019 18:03

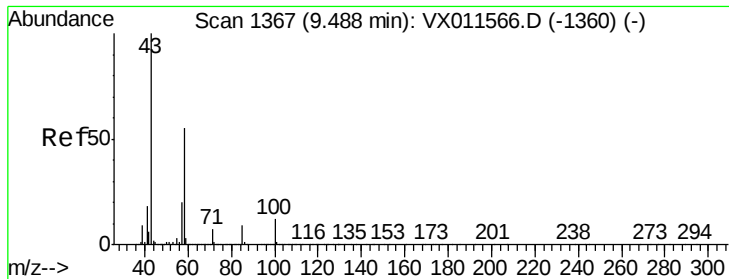
Tgt Ion: 63 Resp: 558

Ion Ratio Lower Upper

63 100

106 30.3 24.7 37.1

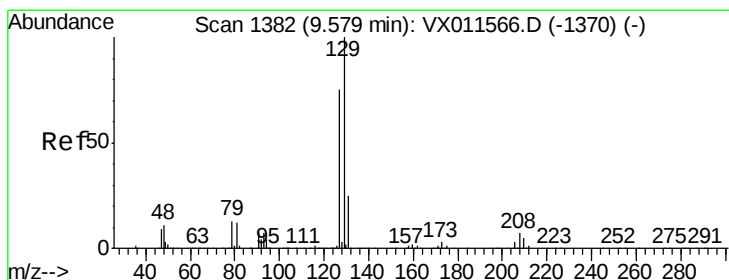
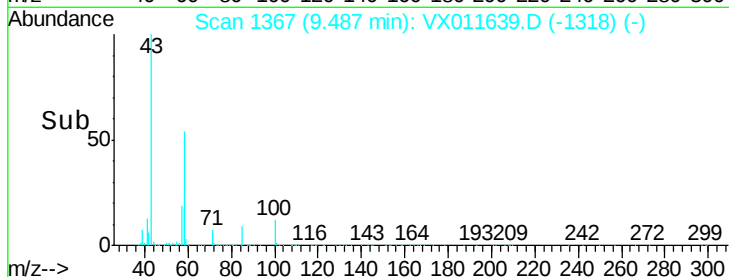
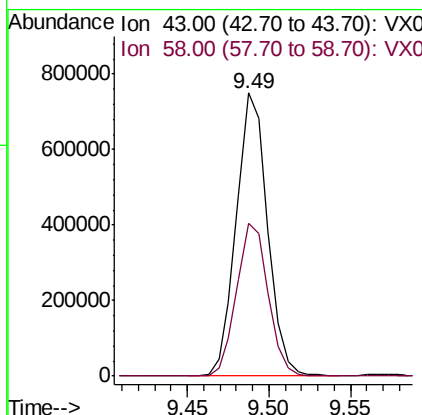
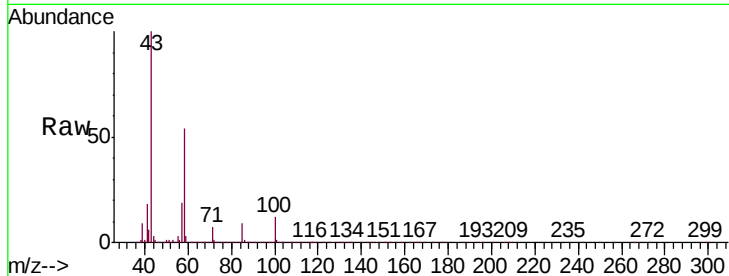




#59
2-Hexanone
Concen: 270.854 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

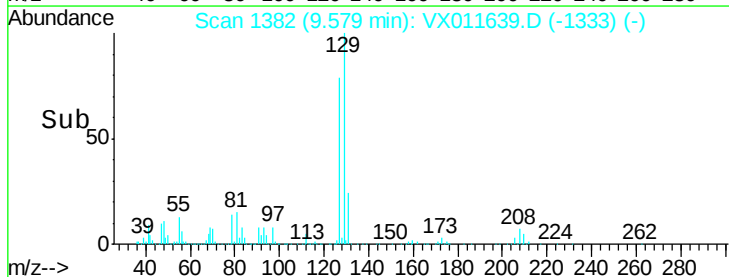
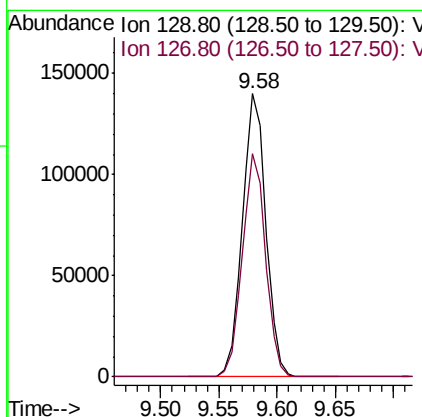
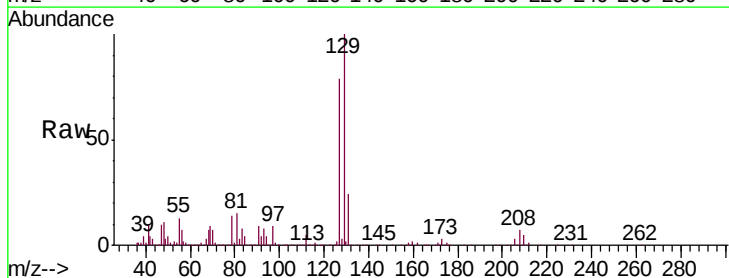
Instrument :
MSVOA_X
ClientSampleId :
PH2-0142MS

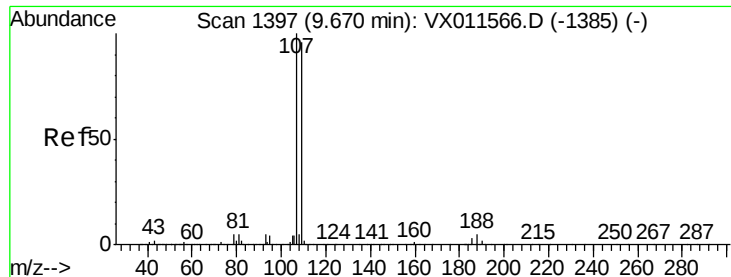
Tgt Ion: 43 Resp: 1000785
Ion Ratio Lower Upper
43 100
58 54.9 27.5 82.4



#60
Dibromochloromethane
Concen: 55.423 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Tgt Ion: 129 Resp: 198264
Ion Ratio Lower Upper
129 100
127 78.0 38.0 114.1





#61

1,2-Dibromoethane

Concen: 52.898 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

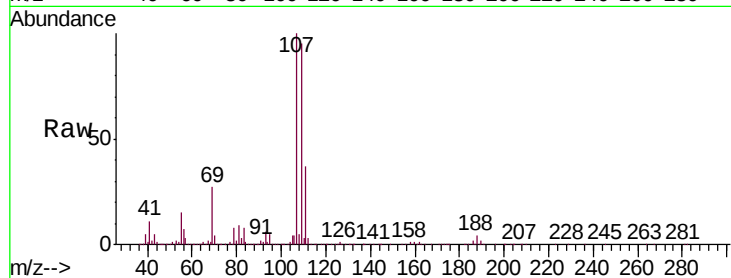
PH2-0142MS

Tgt Ion: 107 Resp: 193835

Ion Ratio Lower Upper

107 100

109 95.4 76.2 114.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

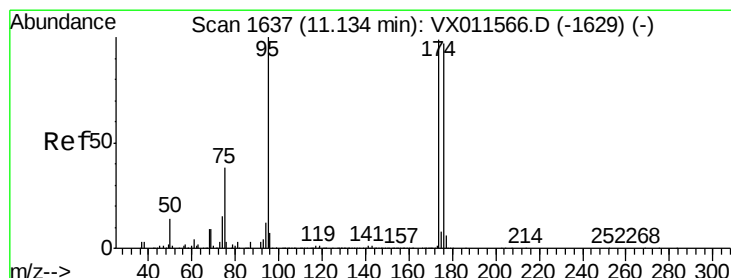
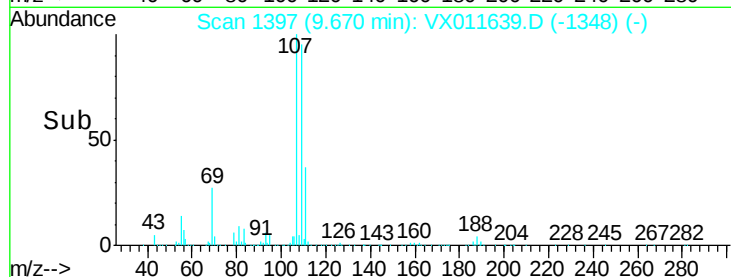
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.095 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

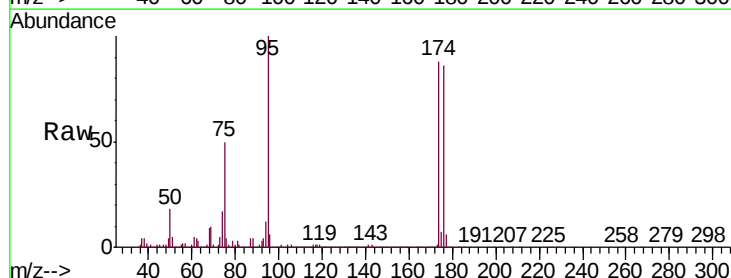
Tgt Ion: 95 Resp: 197333

Ion Ratio Lower Upper

95 100

174 93.3 0.0 200.6

176 92.5 0.0 196.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

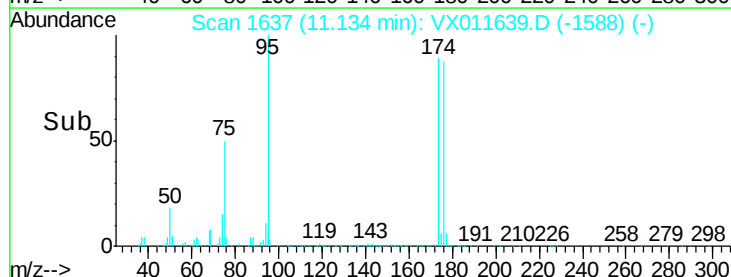
150000

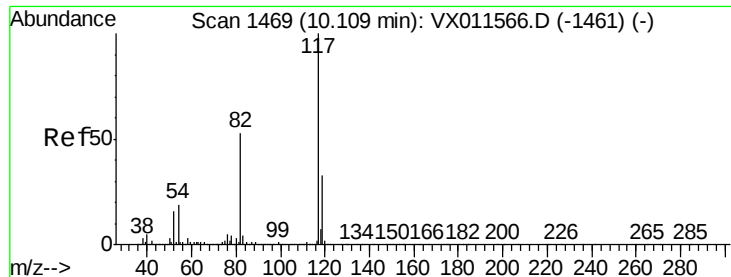
100000

50000

0

Time-->

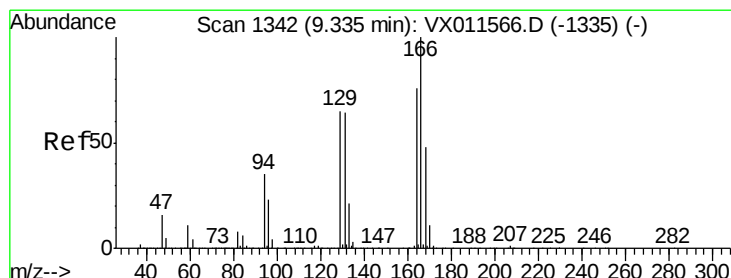
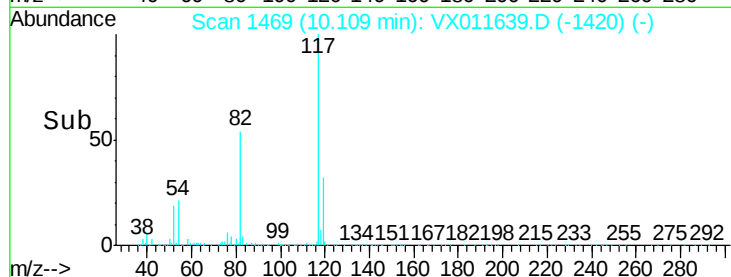
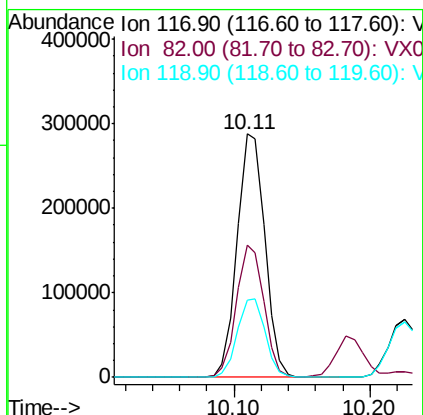
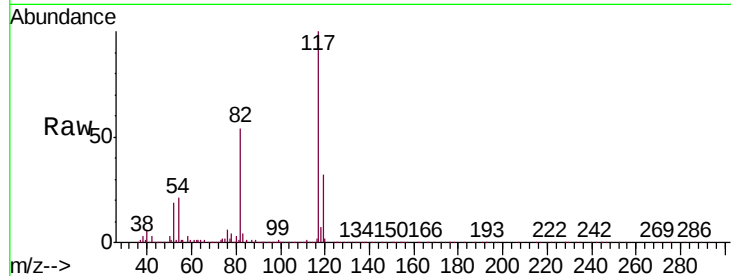




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

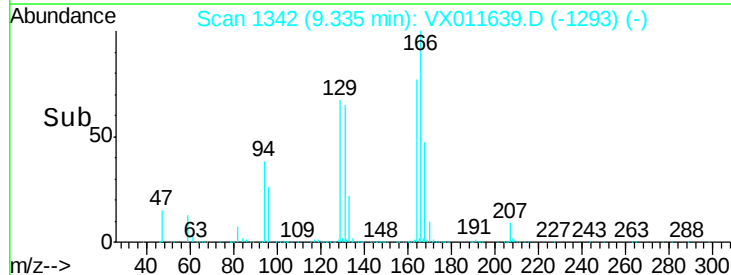
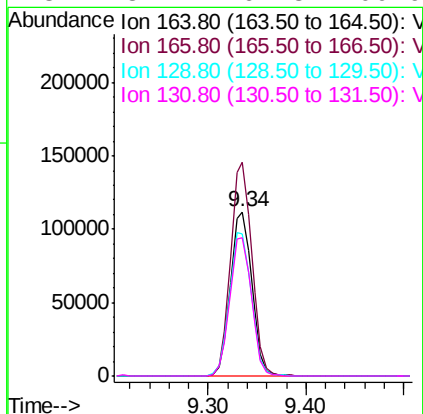
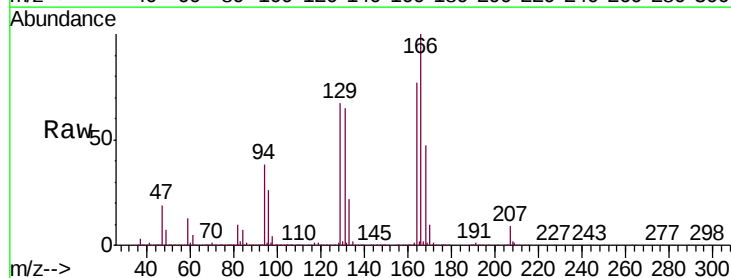
Instrument :
MSVOA_X
ClientSampleId :
PH2-0142MS

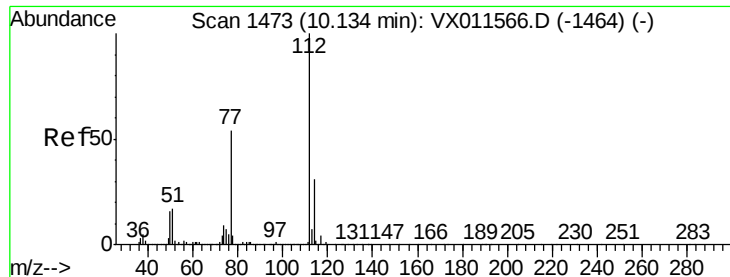
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.1	42.0	63.0
119	31.9	26.5	39.7



#64
Tetrachloroethene
Concen: 50.532 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	104.7	157.1
129	86.5	68.2	102.4
131	84.1	67.3	100.9





#65

Chlorobenzene

Concen: 51.031 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

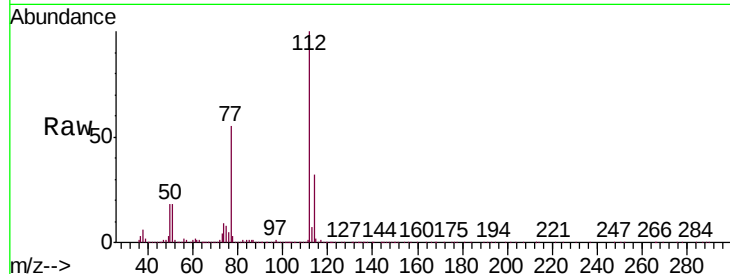
PH2-0142MS

Tgt Ion:112 Resp: 447293

Ion Ratio Lower Upper

112 100

114 32.1 25.0 37.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

300000

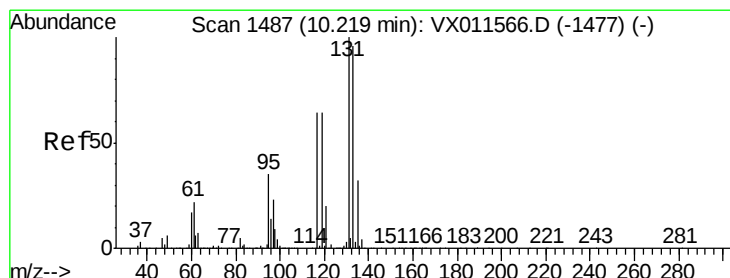
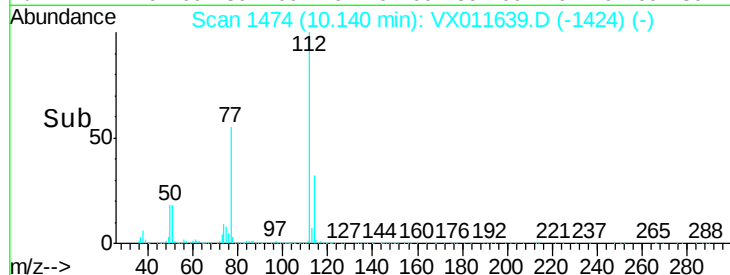
200000

100000

0

Time-->

10.10 10.20



#66

1,1,1,2-Tetrachloroethane

Concen: 52.770 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

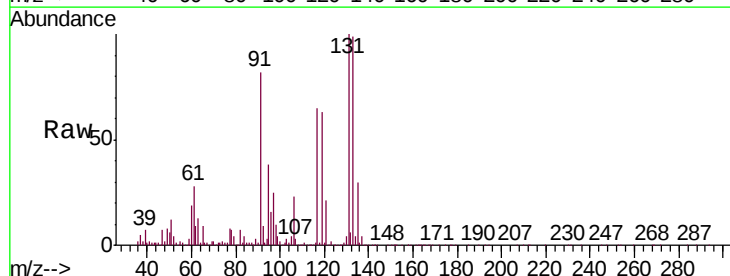
Tgt Ion:131 Resp: 172877

Ion Ratio Lower Upper

131 100

133 96.1 48.1 144.4

119 62.4 31.3 93.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.23

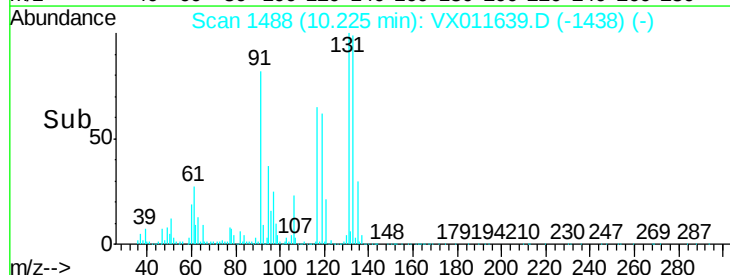
100000

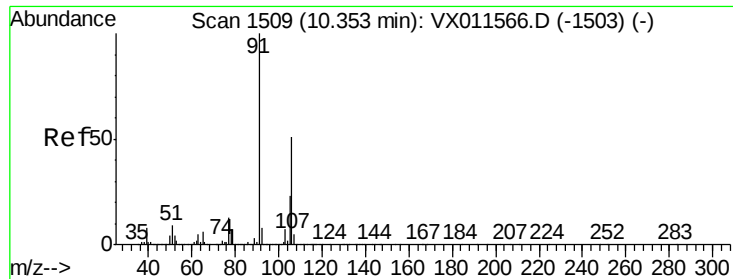
50000

0

Time-->

10.20 10.30





#68

m/p-Xylenes

Concen: 2076.062 ug/l

RT: 10.26 min Scan# 1494

Delta R.T. -0.09 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

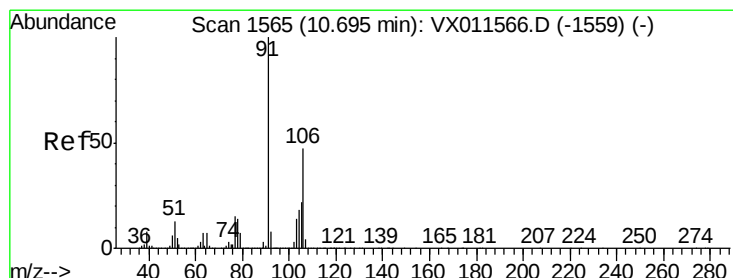
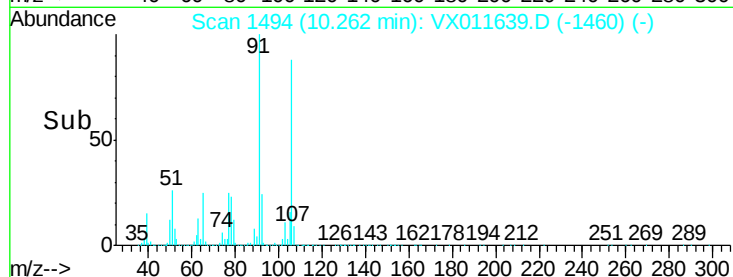
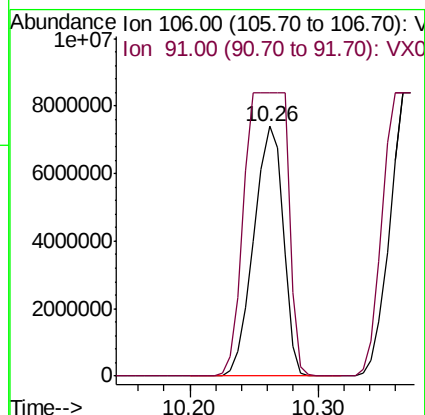
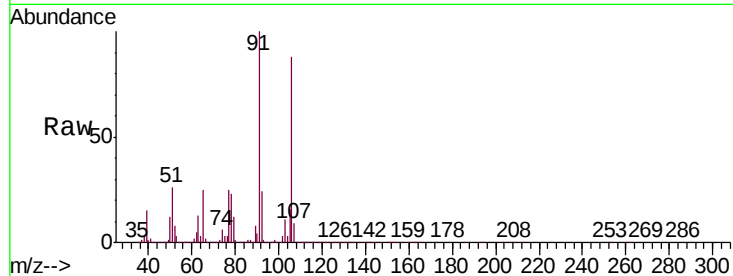
PH2-0142MS

Tgt Ion:106 Resp:11657122

Ion Ratio Lower Upper

106 100

91 0.0 156.0 234.0#



#69

o-Xylene

Concen: 1159.995 ug/l

RT: 10.71 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VX011639.D

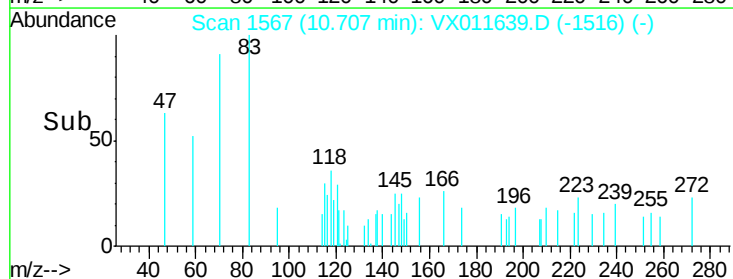
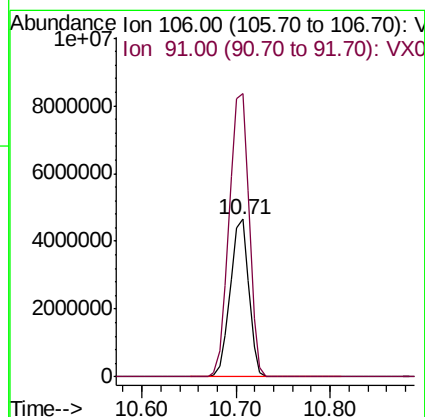
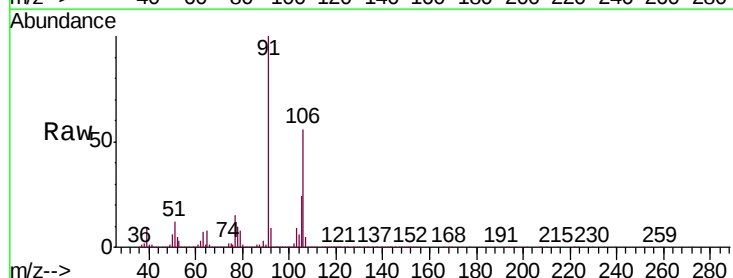
Acq: 19 Aug 2019 18:03

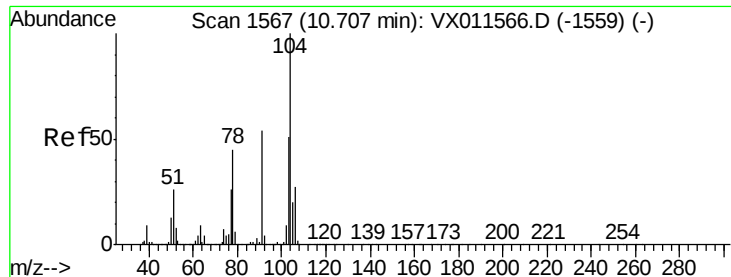
Tgt Ion:106 Resp: 6380083

Ion Ratio Lower Upper

106 100

91 192.7 105.5 316.4





#70

Styrene

Concen: 86.502 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

PH2-0142MS

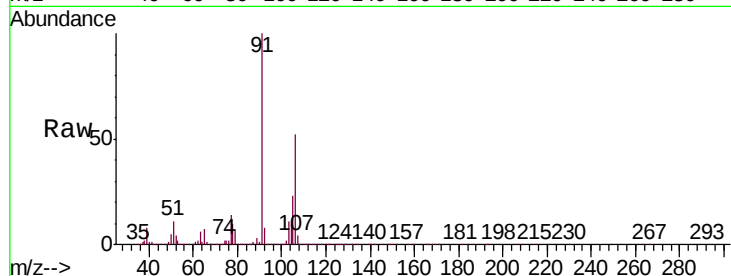
Tgt Ion:104 Resp: 800926

Ion Ratio Lower Upper

104 100

78 144.0 38.2 57.4#

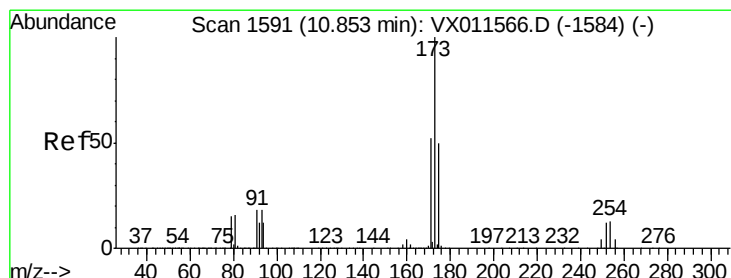
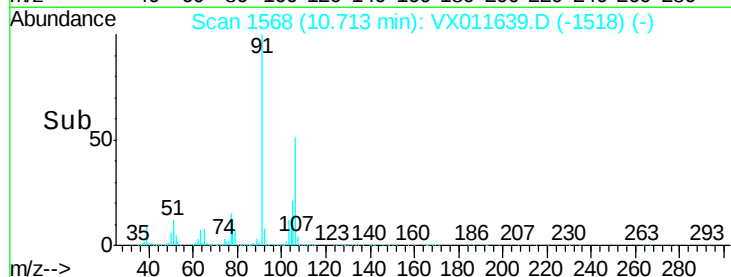
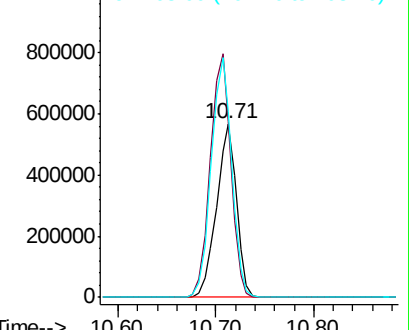
103 141.3 43.6 65.4#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 44.579 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

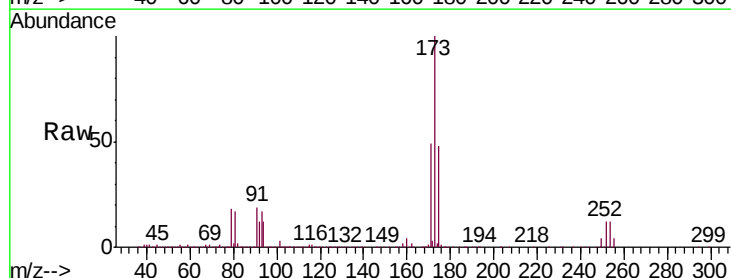
Tgt Ion:173 Resp: 140704

Ion Ratio Lower Upper

173 100

175 49.0 24.9 74.7

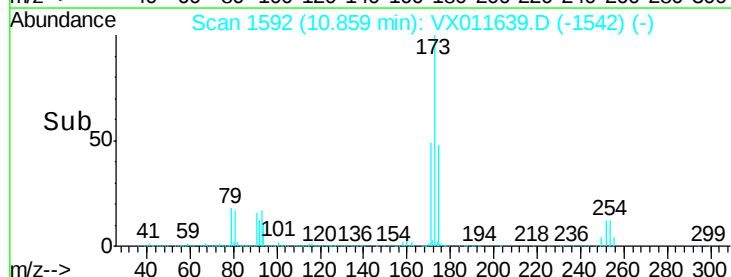
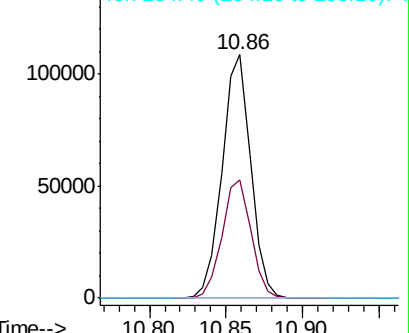
254 0.2 0.1 0.1#

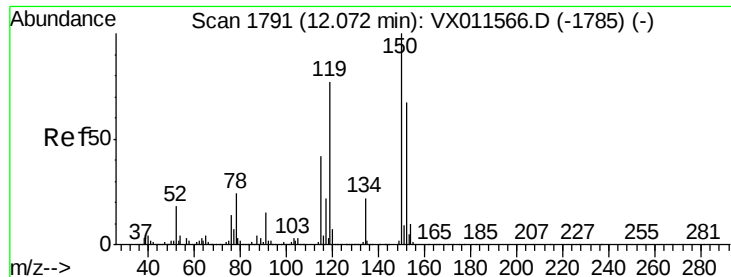


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



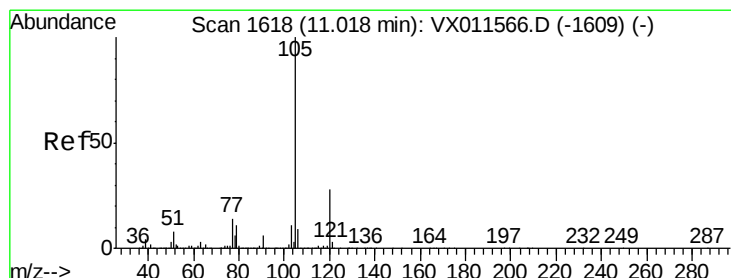
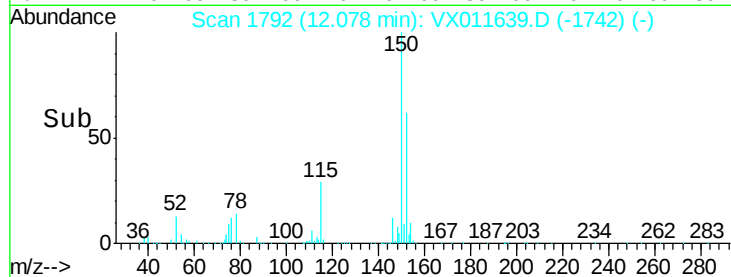
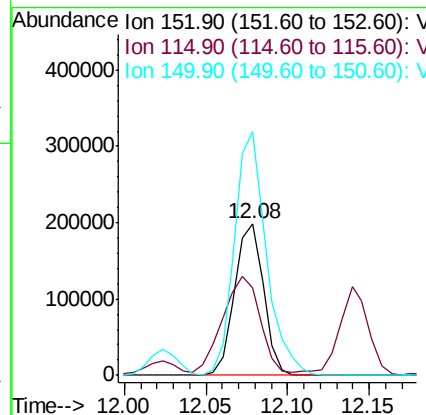
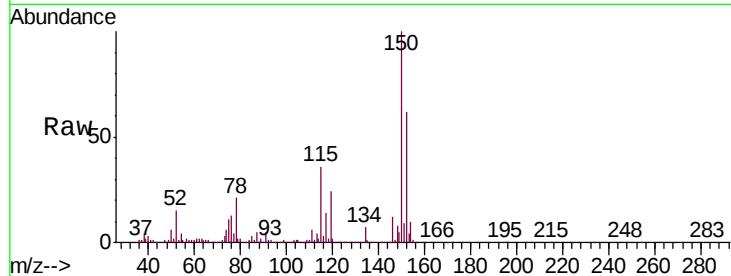


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.01 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Instrument :
MSVOA_X
ClientSampleId :
PH2-0142MS

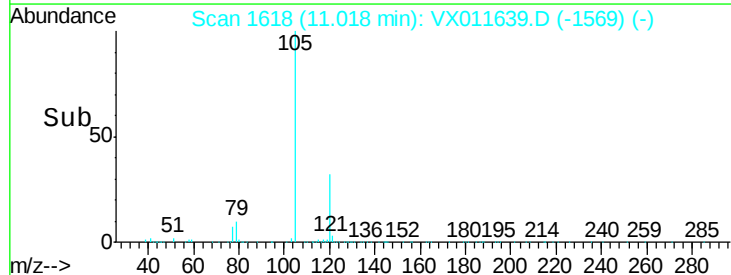
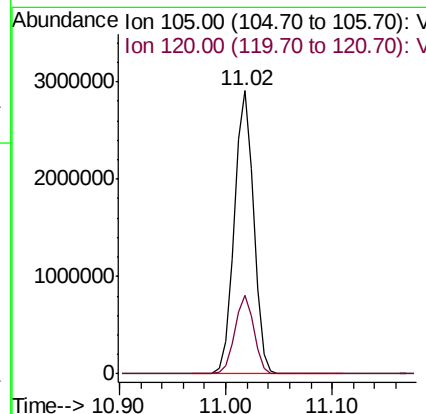
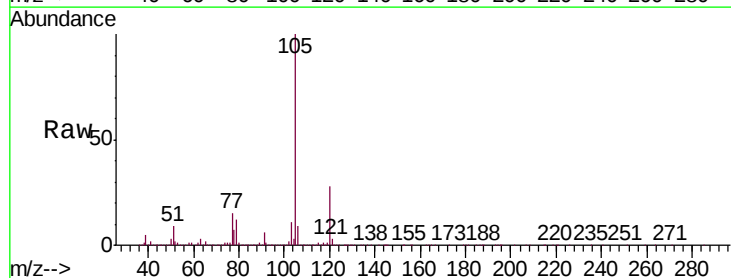
Tgt Ion:152 Resp: 244760
Ion Ratio Lower Upper
152 100
115 83.4 37.3 111.9
150 176.4 0.0 346.2

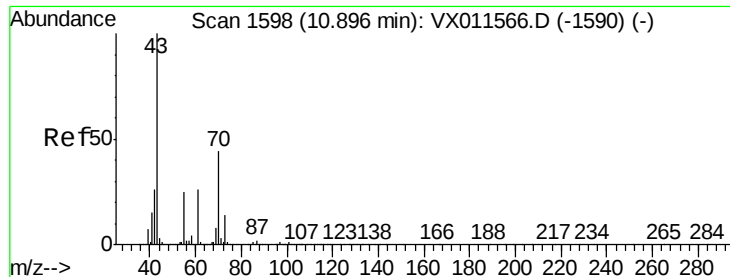


#73

Isopropylbenzene
Concen: 233.326 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Tgt Ion:105 Resp: 3705712
Ion Ratio Lower Upper
105 100
120 27.4 14.0 41.9





#74

N-ethyl acetate

Concen: 45.800 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

PH2-0142MS

Tgt Ion: 43 Resp: 309120

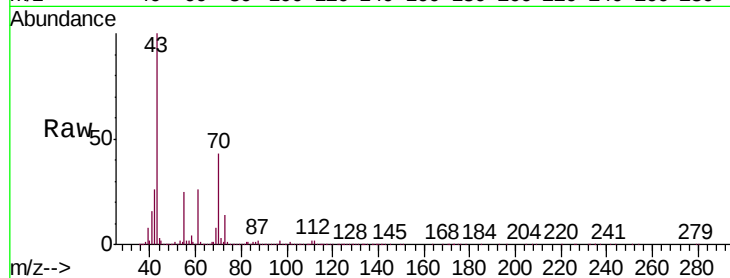
Ion Ratio Lower Upper

43 100

70 42.6 34.7 52.1

55 26.6 19.6 29.4

61 24.8 19.9 29.9

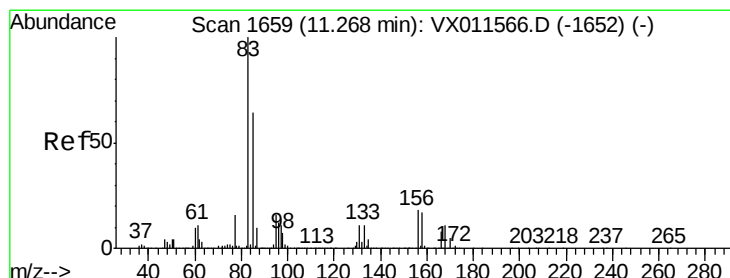
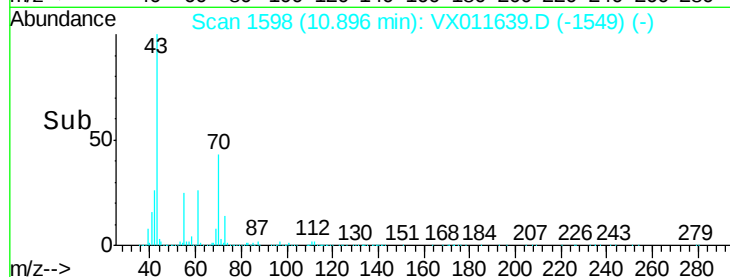
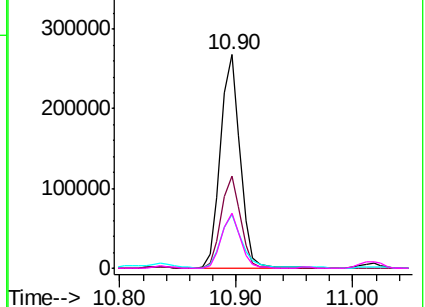


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 50.312 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

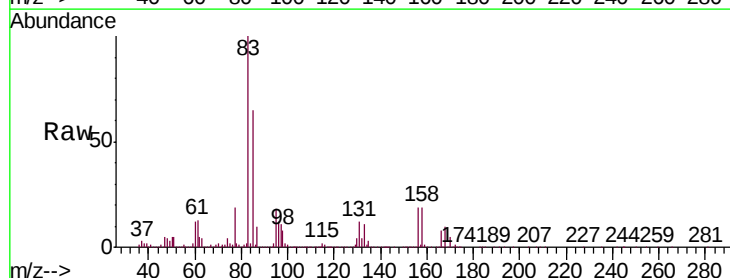
Tgt Ion: 83 Resp: 274881

Ion Ratio Lower Upper

83 100

131 11.9 5.8 17.3

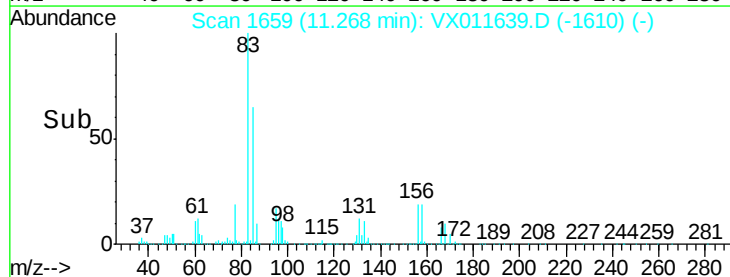
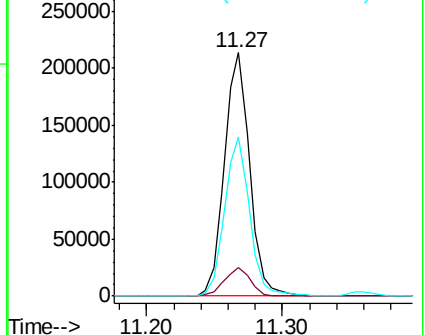
85 64.6 31.9 95.9

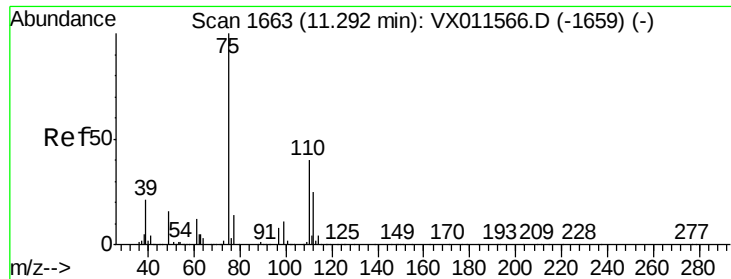


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 66.688 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

ClientSampled :

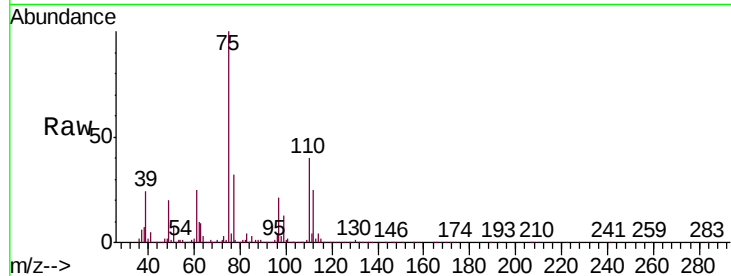
PH2-0142MS

Tgt Ion: 75 Resp: 309515

Ion Ratio Lower Upper

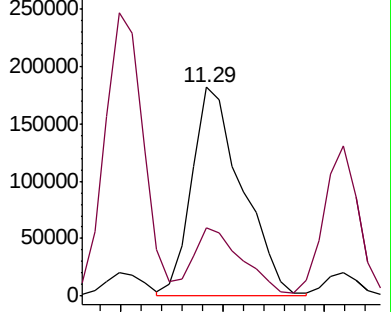
75 100

77 32.2 20.9 62.8

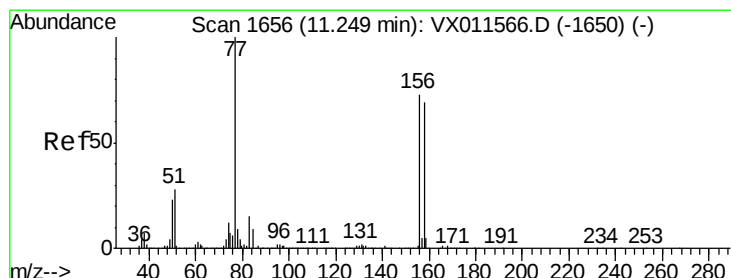
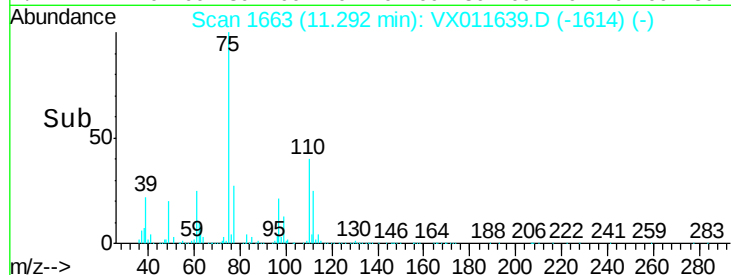


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->



#77

Bromobenzene

Concen: 49.563 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.01 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

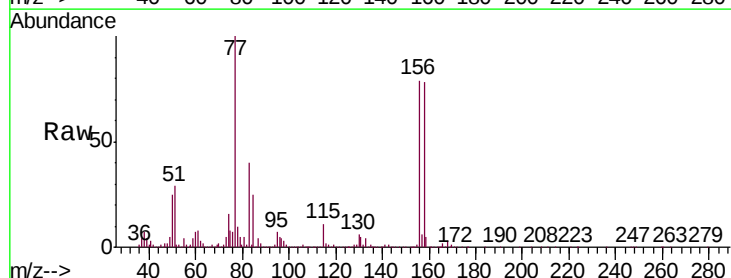
Tgt Ion: 156 Resp: 234197

Ion Ratio Lower Upper

156 100

77 136.8 64.6 193.9

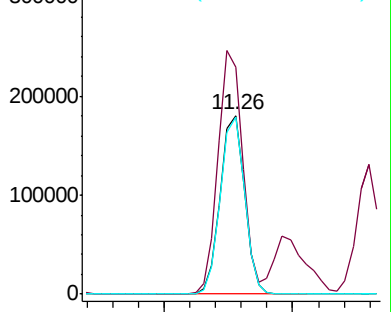
158 98.8 48.4 145.3



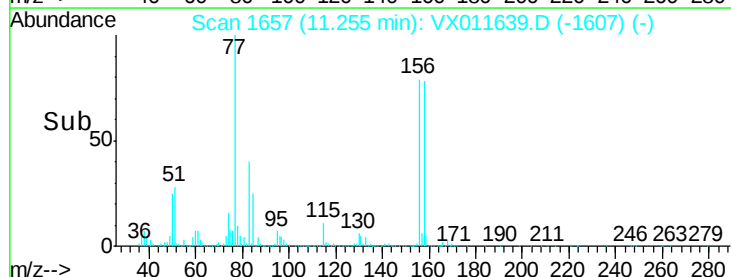
Abundance Ion 155.80 (155.50 to 156.50): V

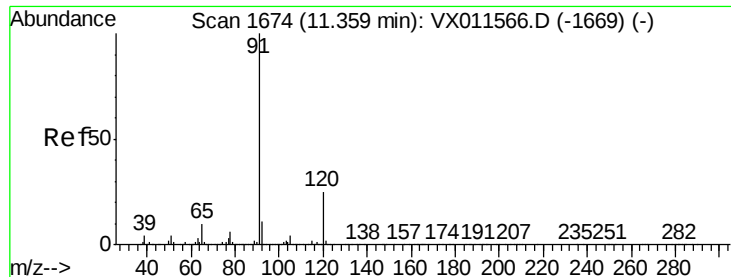
Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



Time-->





#78

n-propylbenzene

Concen: 227.436 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

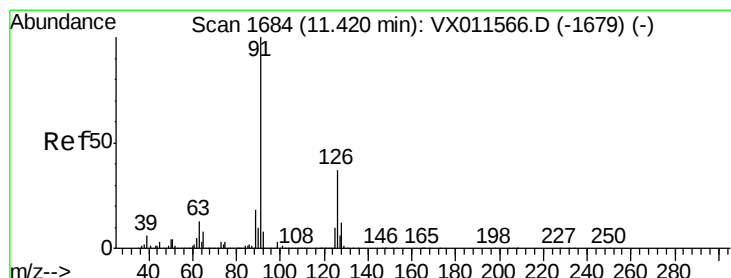
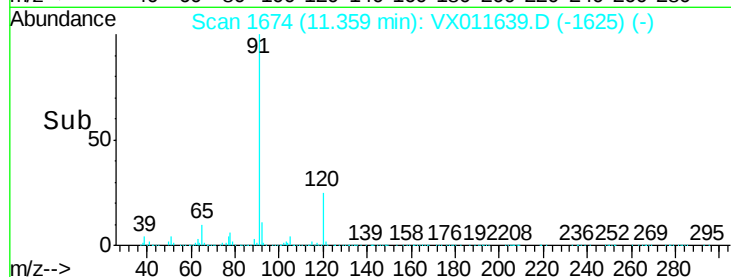
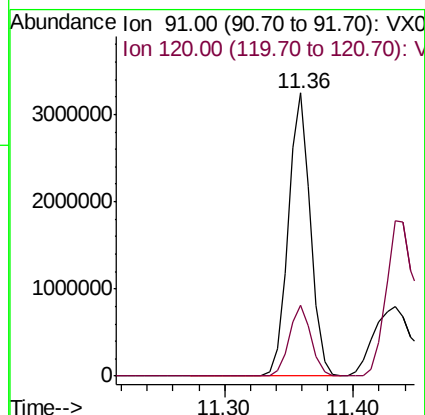
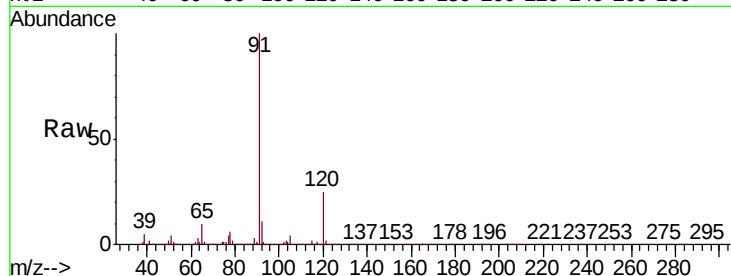
PH2-0142MS

Tgt Ion: 91 Resp: 3895003

Ion Ratio Lower Upper

91 100

120 24.7 12.6 37.6



#79

2-Chlorotoluene

Concen: 92.893 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.09 min

Lab File: VX011639.D

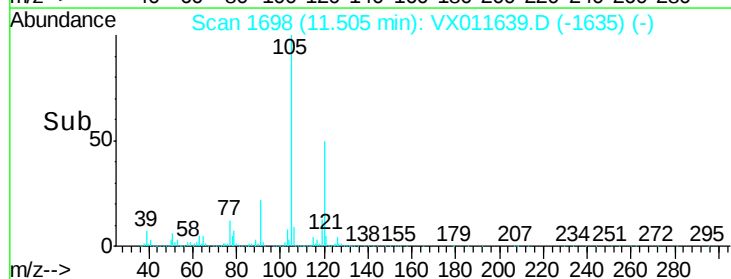
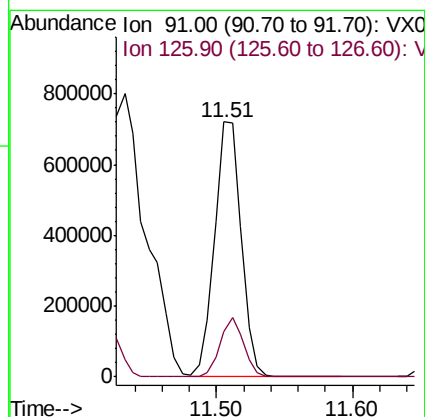
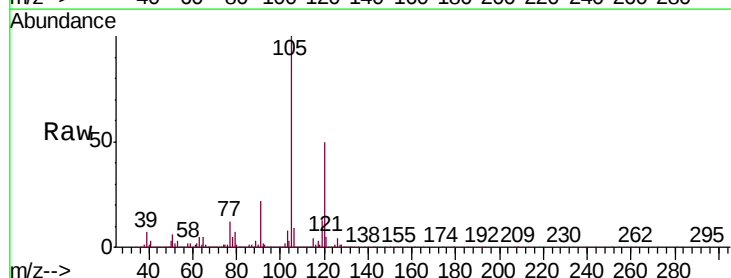
Acq: 19 Aug 2019 18:03

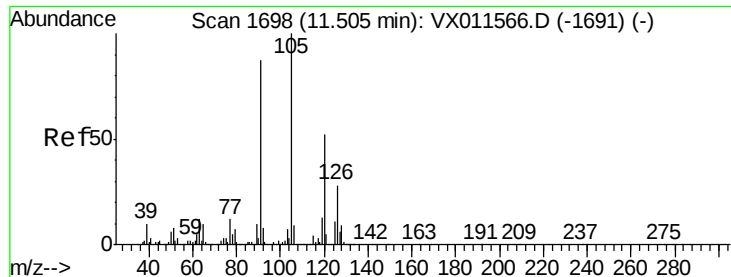
Tgt Ion: 91 Resp: 976873

Ion Ratio Lower Upper

91 100

126 20.4 18.4 55.0





#80

1,3,5-Trimethylbenzene

Concen: 301.481 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

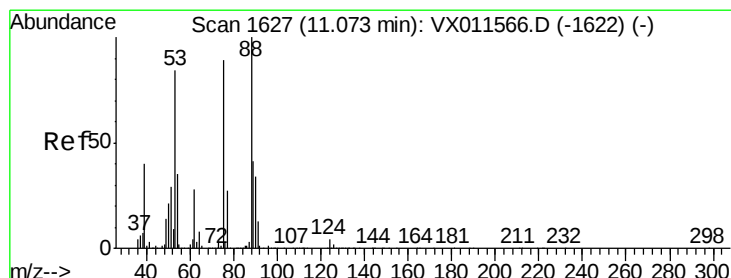
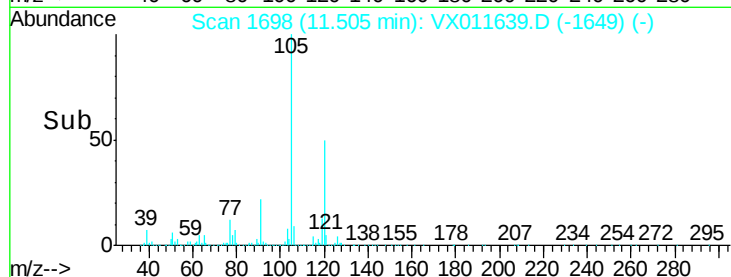
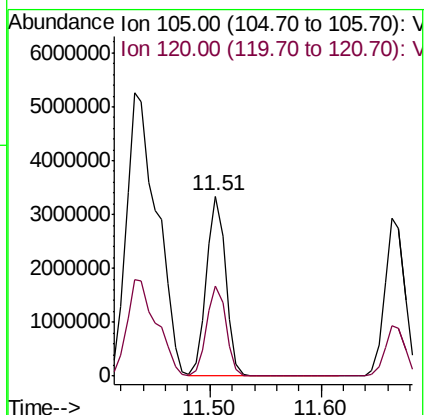
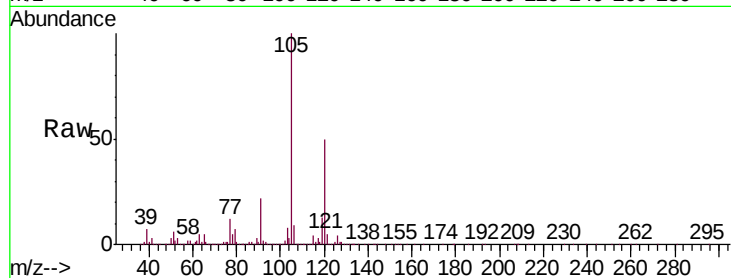
PH2-0142MS

Tgt Ion:105 Resp: 4022219

Ion Ratio Lower Upper

105 100

120 50.4 25.3 75.8



#81

trans-1,4-Dichloro-2-butene

Concen: 44.196 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

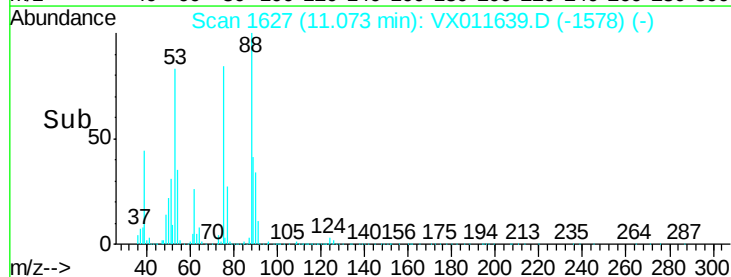
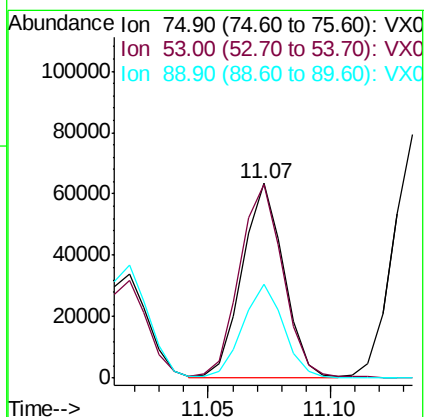
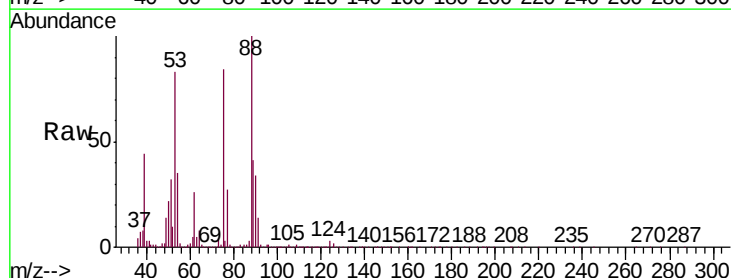
Tgt Ion: 75 Resp: 74740

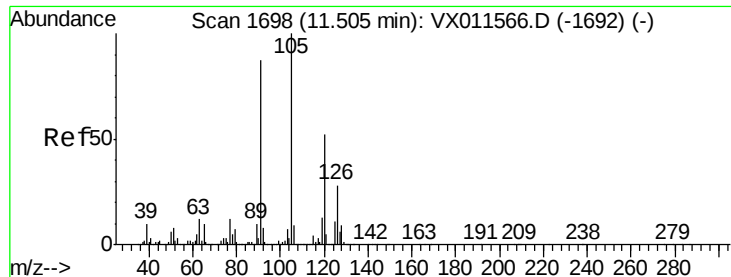
Ion Ratio Lower Upper

75 100

53 103.3 77.4 116.0

89 47.5 37.3 55.9





#82

4-Chlorotoluene

Concen: 80.070 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

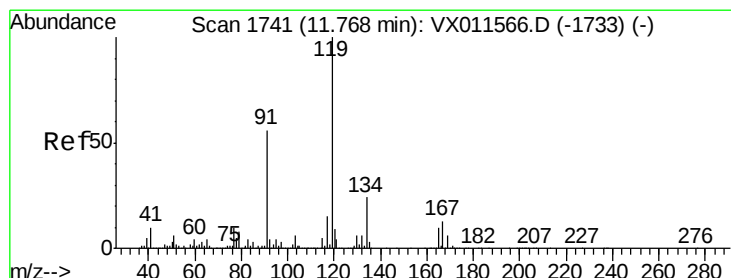
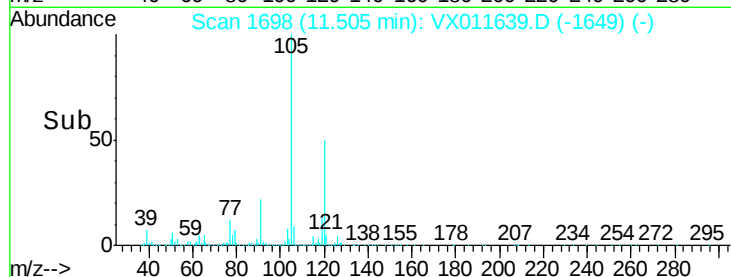
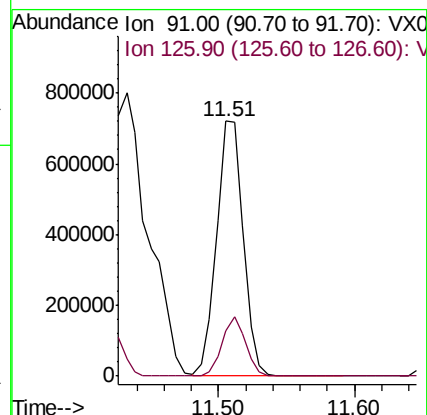
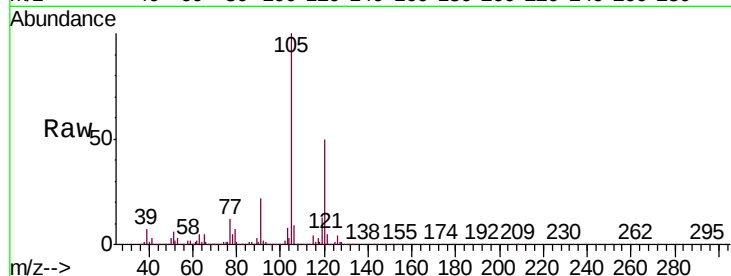
PH2-0142MS

Tgt Ion: 91 Resp: 976873

Ion Ratio Lower Upper

91 100

126 20.4 16.4 49.1



#83

tert-Butylbenzene

Concen: 51.605 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

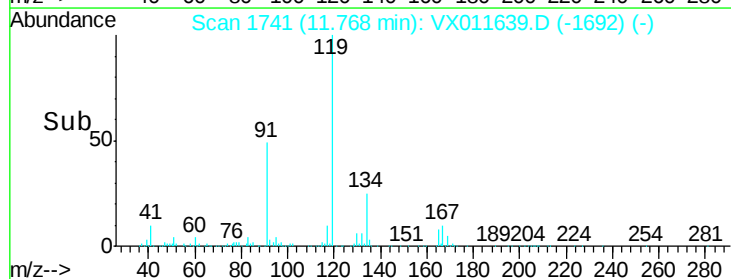
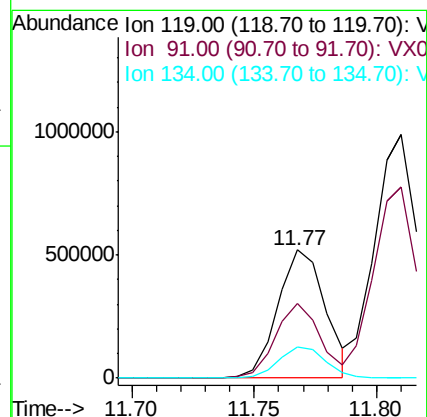
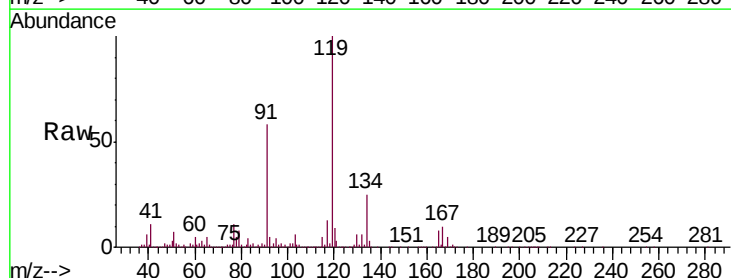
Tgt Ion: 119 Resp: 701207

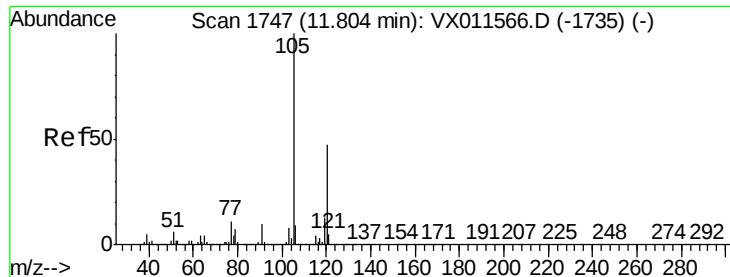
Ion Ratio Lower Upper

119 100

91 55.4 27.1 81.3

134 24.3 11.8 35.3





#84

1,2,4-Trimethylbenzene

Concen: 659.994 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

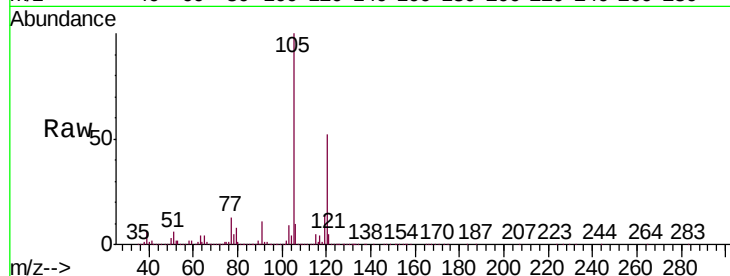
PH2-0142MS

Tgt Ion:105 Resp: 8839890

Ion Ratio Lower Upper

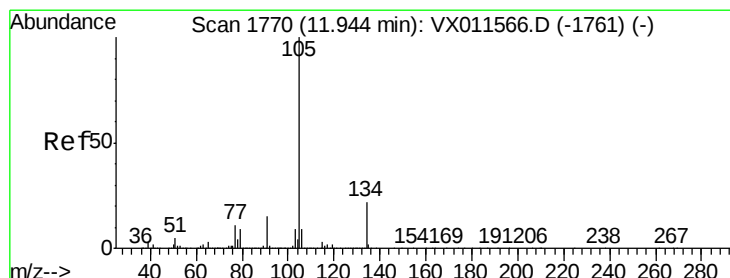
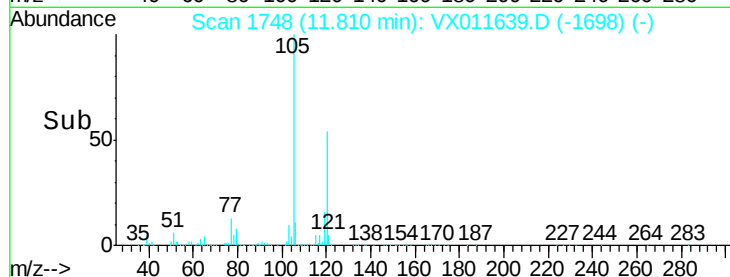
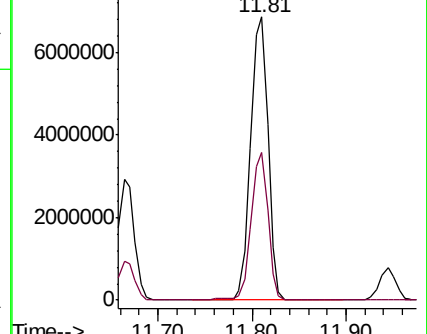
105 100

120 50.6 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 61.706 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011639.D

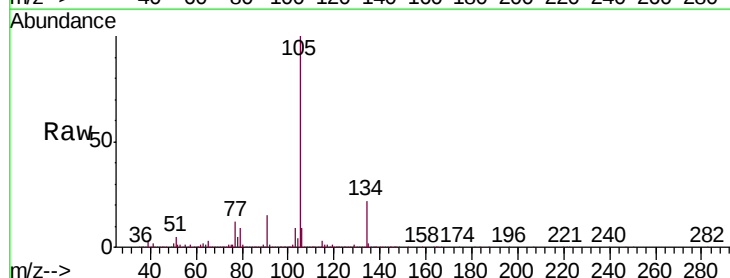
Acq: 19 Aug 2019 18:03

Tgt Ion:105 Resp: 945991

Ion Ratio Lower Upper

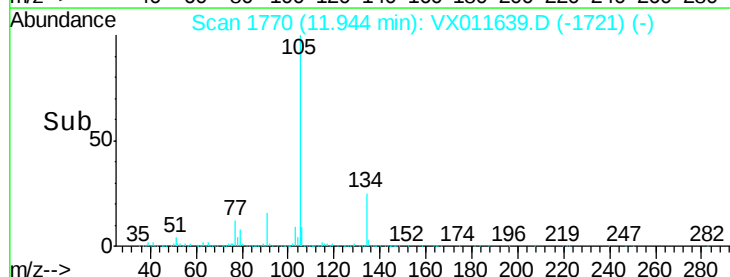
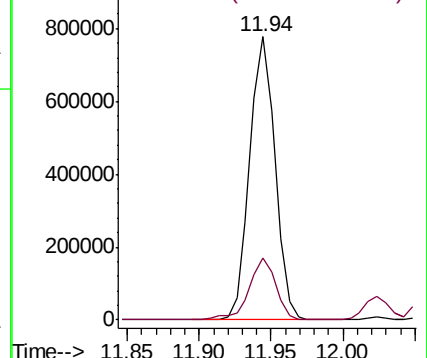
105 100

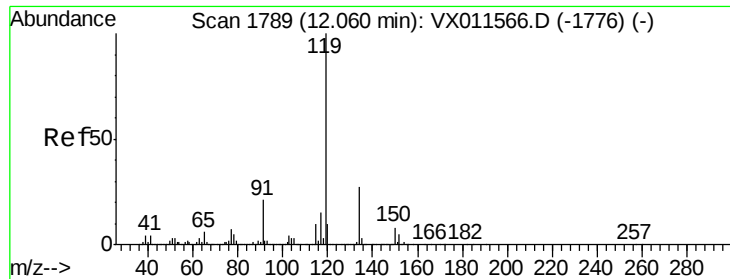
134 23.0 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

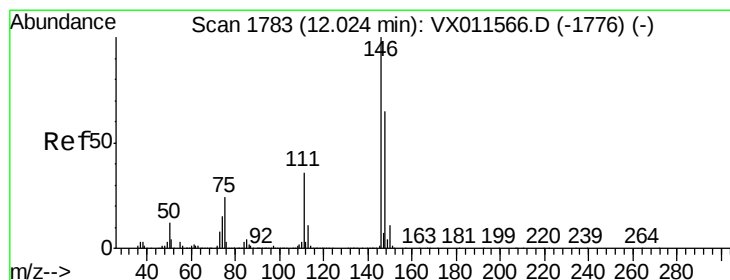
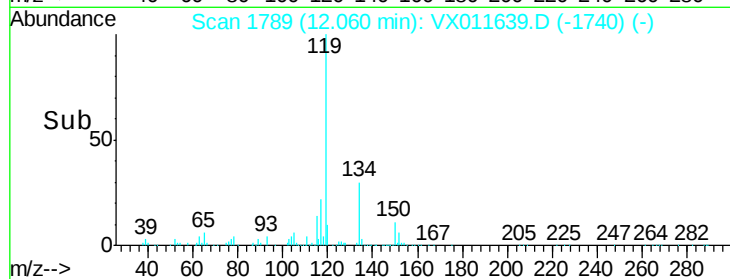
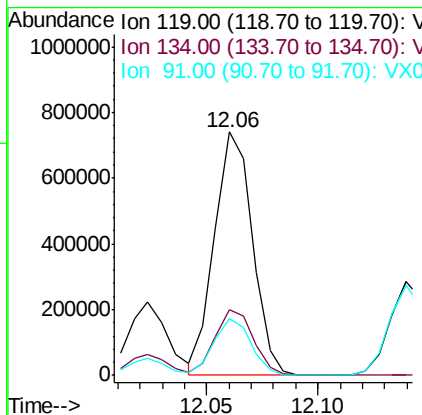
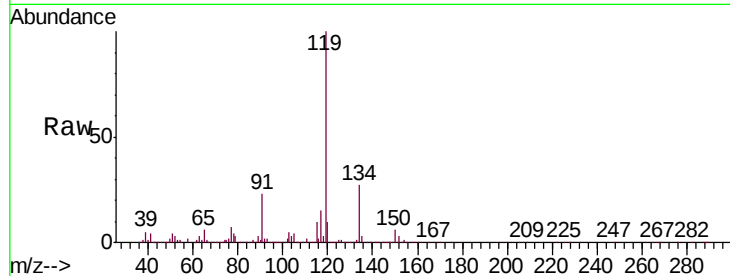




#86
p-Isopropyltoluene
Concen: 60.859 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

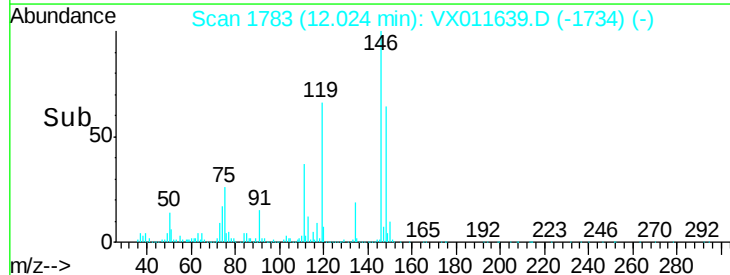
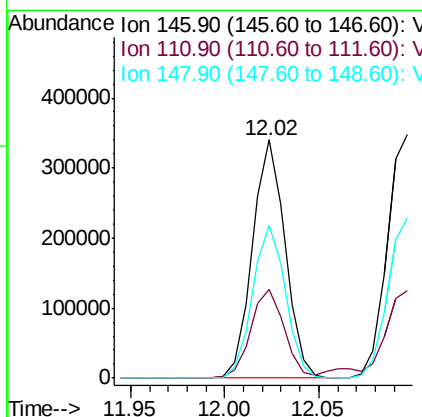
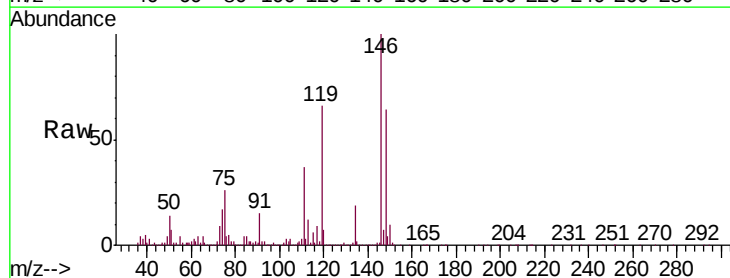
Instrument :
MSVOA_X
ClientSampleId :
PH2-0142MS

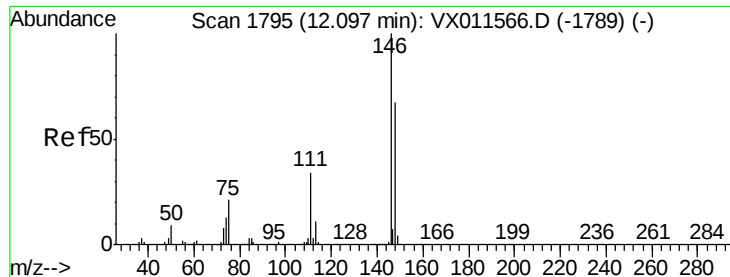
Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.6	40.8
91	22.7	10.9	32.9



#87
1,3-Dichlorobenzene
Concen: 50.200 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.1	54.4
148	64.9	32.0	96.0

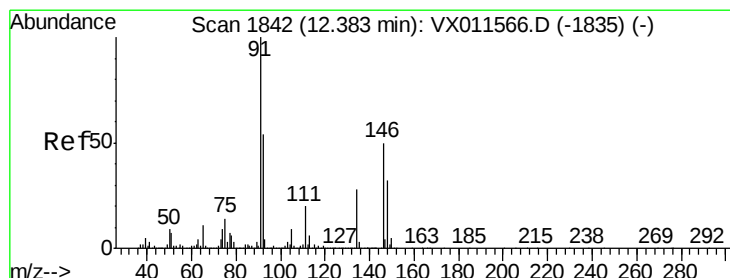
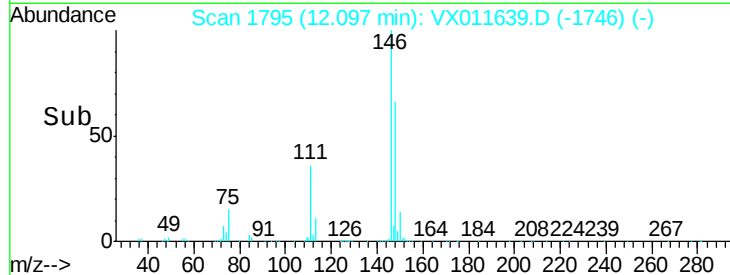
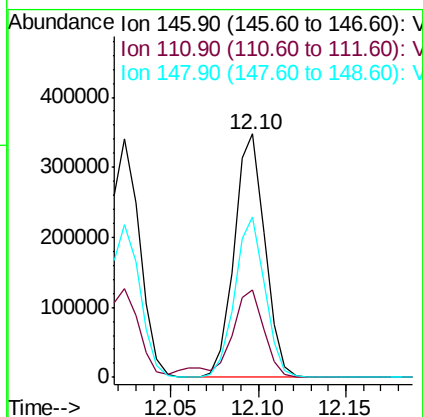
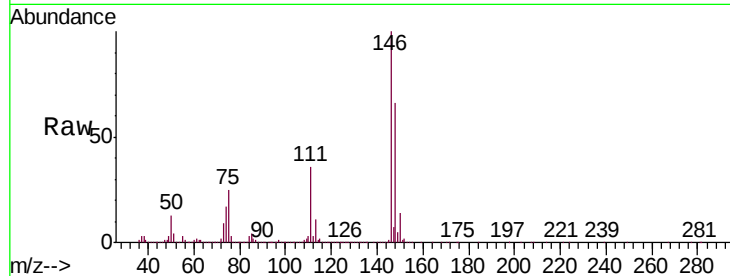




#88
 1,4-Dichlorobenzene
 Concen: 51.362 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX011639.D
 Acq: 19 Aug 2019 18:03

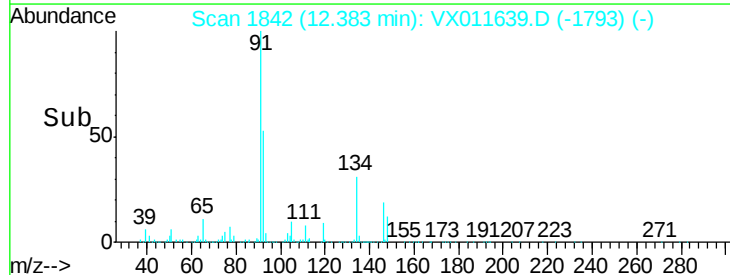
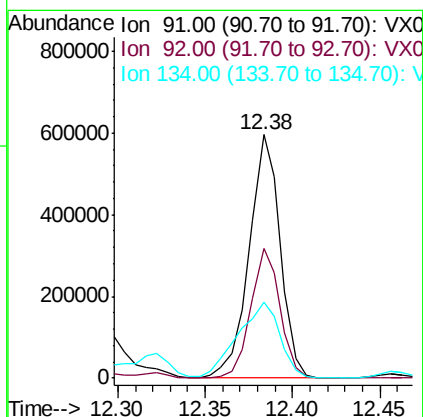
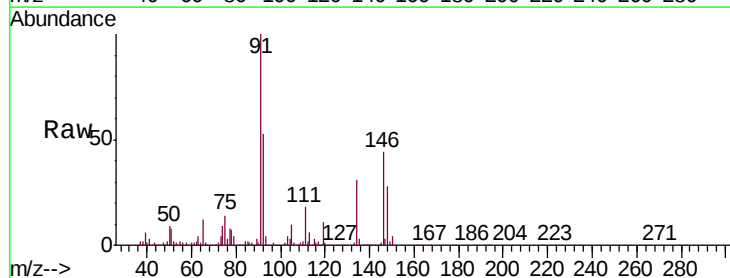
Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0142MS

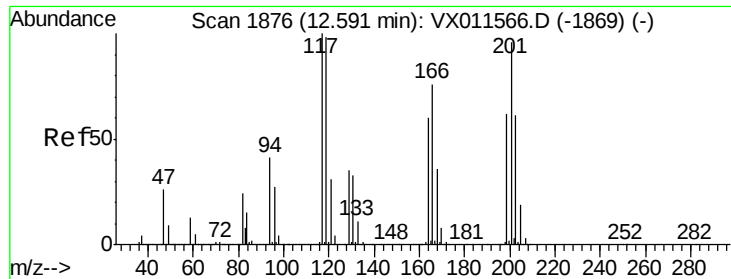
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	17.9	53.7
148	64.9	32.5	97.5



#89
 n-Butylbenzene
 Concen: 61.875 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX011639.D
 Acq: 19 Aug 2019 18:03

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.0	26.8	80.3
134	42.5	14.6	44.0





#90

Hexachloroethane

Concen: 61.263 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

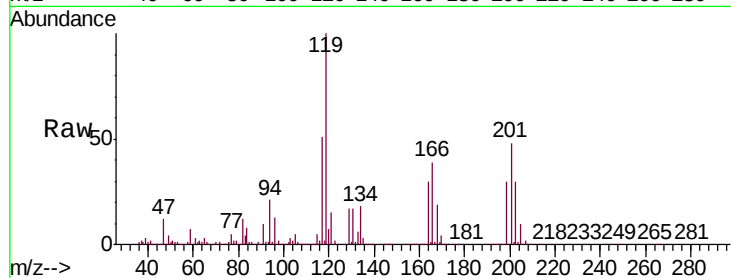
PH2-0142MS

Tgt Ion:117 Resp: 139529

Ion Ratio Lower Upper

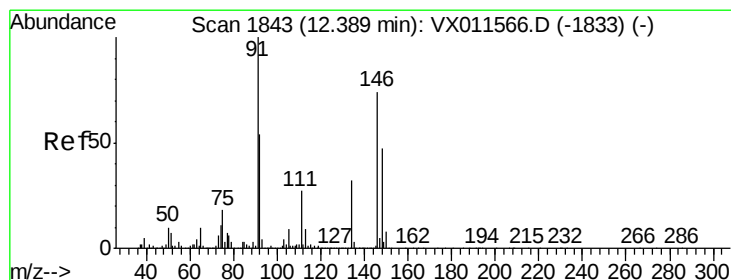
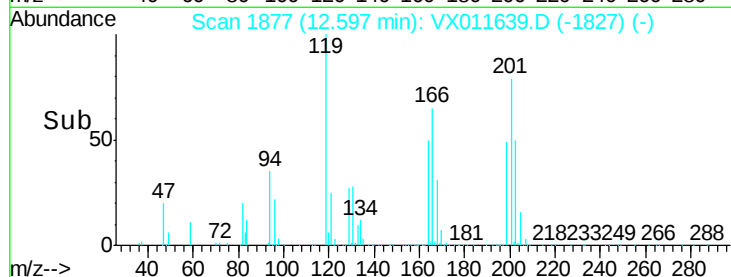
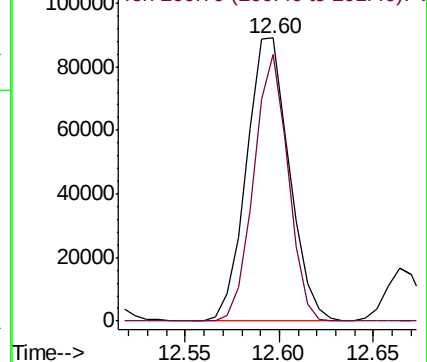
117 100

201 76.0 51.9 155.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 50.780 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

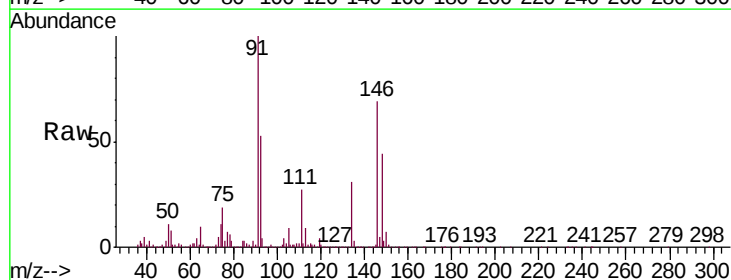
Tgt Ion:146 Resp: 414012

Ion Ratio Lower Upper

146 100

111 38.3 18.9 56.7

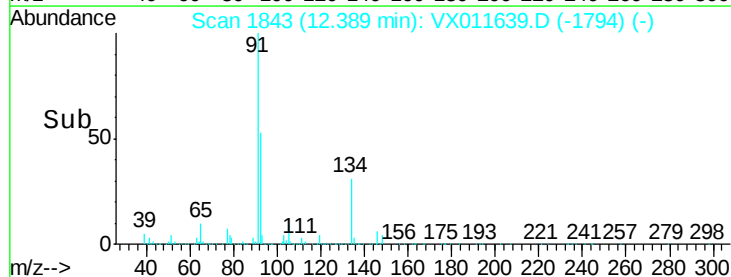
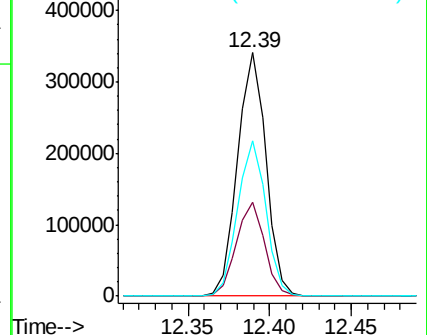
148 63.5 31.9 95.9

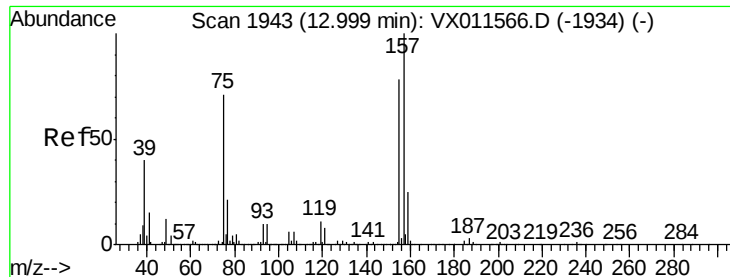


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 52.338 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

PH2-0142MS

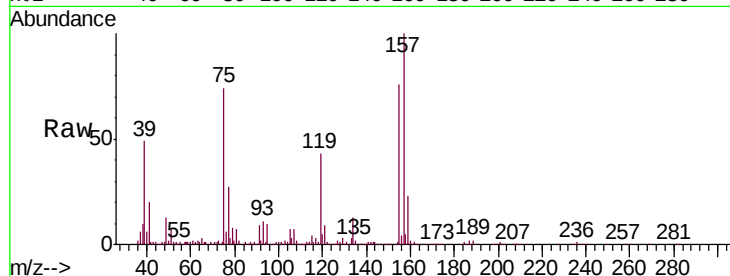
Tgt Ion: 75 Resp: 65420

Ion Ratio Lower Upper

75 100

155 95.3 53.0 159.0

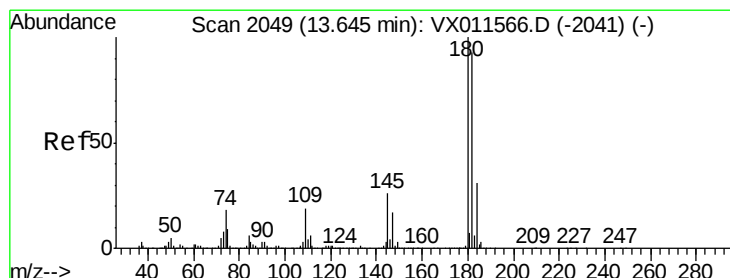
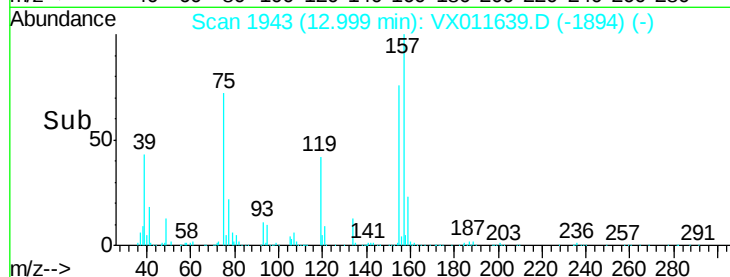
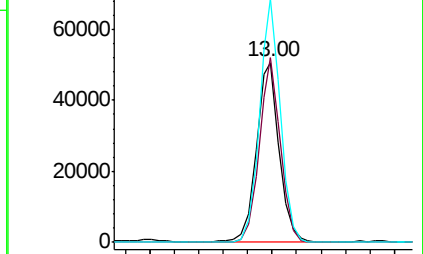
157 123.0 68.3 205.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 49.709 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

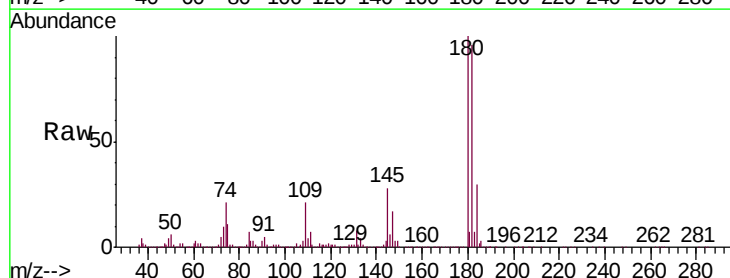
Tgt Ion: 180 Resp: 301976

Ion Ratio Lower Upper

180 100

182 96.0 47.3 142.0

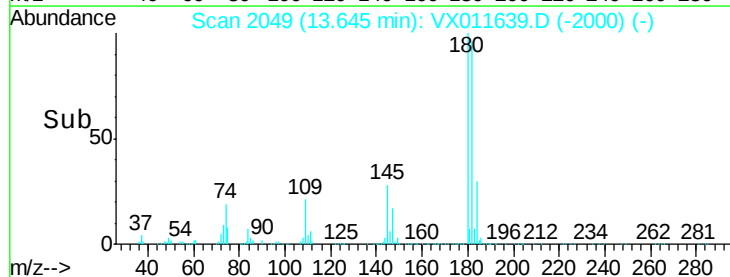
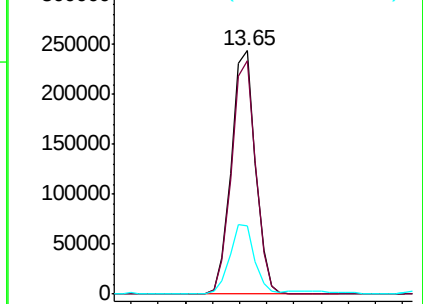
145 29.1 13.6 40.8

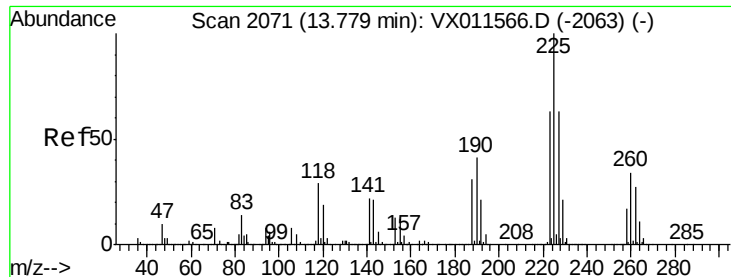


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 39.532 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

PH2-0142MS

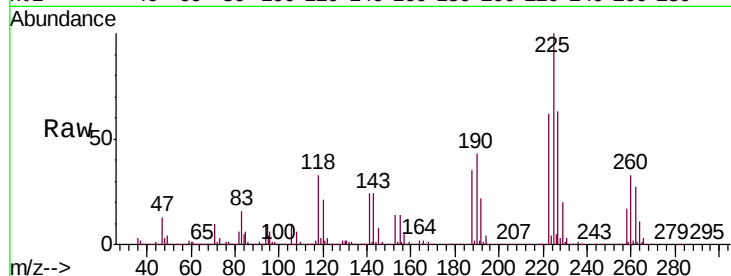
Tgt Ion:225 Resp: 130766

Ion Ratio Lower Upper

225 100

223 62.0 31.4 94.0

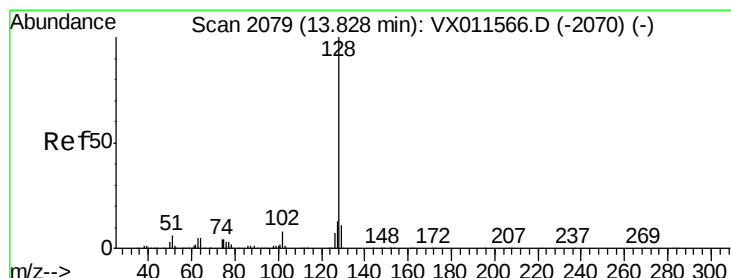
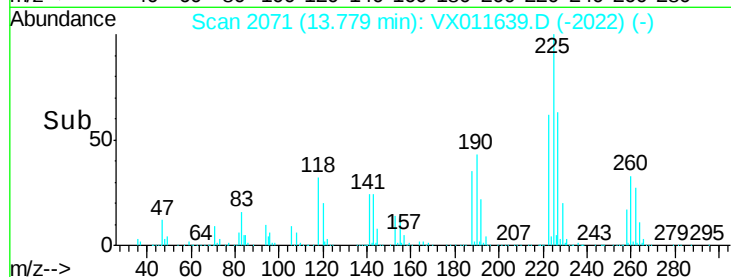
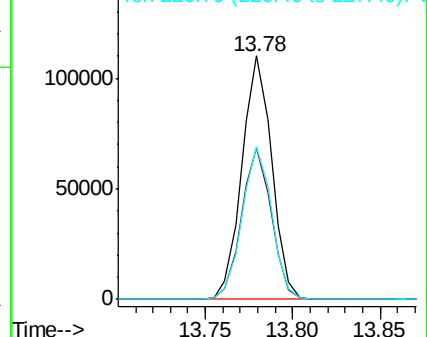
227 62.3 31.2 93.6



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: 172.215 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

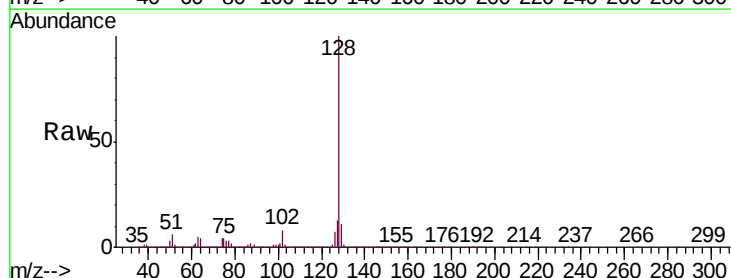
Tgt Ion:128 Resp: 2957591

Ion Ratio Lower Upper

128 100

127 13.4 10.3 15.5

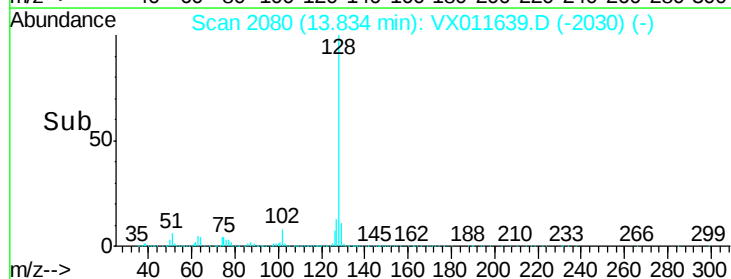
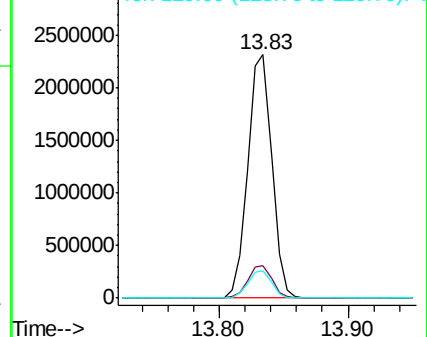
129 11.2 8.7 13.1

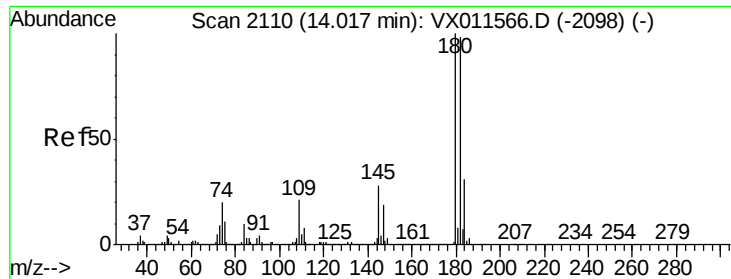


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 50.406 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX011639.D
 Acq: 19 Aug 2019 18:03

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0142MS

Tgt Ion:	180	Resp:	308847
Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.0	144.0
145	32.0	14.6	43.8

