

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091818\
 Data File : VX004649.D
 Acq On : 18 Sep 2018 11:22
 Operator : JC/MD
 Sample : VX0918WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 18 15:22:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	242352	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	334359	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	290034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	176360	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	139184	44.54	ug/l	0.00
Spiked Amount			Recovery	=	89.08%	
35) Dibromofluoromethane	5.50	113	134518	43.96	ug/l	0.00
Spiked Amount			Recovery	=	87.92%	
50) Toluene-d8	8.71	98	456379	44.48	ug/l	0.00
Spiked Amount			Recovery	=	88.96%	
62) 4-Bromofluorobenzene	11.14	95	163051	44.52	ug/l	0.00
Spiked Amount			Recovery	=	89.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	40279	17.734	ug/l	96
3) Chloromethane	1.32	50	59563	19.055	ug/l	96
4) Vinyl Chloride	1.40	62	63958	19.935	ug/l	90
5) Bromomethane	1.64	94	32153	23.304	ug/l	100
6) Chloroethane	1.72	64	37111	17.887	ug/l	98
7) Trichlorofluoromethane	1.93	101	76683	18.030	ug/l	90
8) Diethyl Ether	2.18	74	36071	18.918	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	49384	18.303	ug/l	97
10) Methyl Iodide	2.51	142	48080	17.895	ug/l	98
11) Tert butyl alcohol	3.06	59	72521	97.259	ug/l	99
12) 1,1-Dichloroethene	2.37	96	49696	19.625	ug/l	81
13) Acrolein	2.29	56	16715	56.788	ug/l	92
14) Allyl chloride	2.73	41	95412	18.327	ug/l	96
15) Acrylonitrile	3.15	53	168306	93.732	ug/l	98
16) Acetone	2.45	43	137678	90.269	ug/l	99
17) Carbon Disulfide	2.57	76	128796	17.596	ug/l	98
18) Methyl Acetate	2.78	43	86886	20.305	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	163560	18.408	ug/l	92
20) Methylene Chloride	2.85	84	57839	18.486	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	51345	18.349	ug/l	95
22) Diisopropyl ether	3.87	45	174760	18.638	ug/l	93
23) Vinyl Acetate	3.82	43	689133	90.821	ug/l	96
24) 1,1-Dichloroethane	3.70	63	98993	18.700	ug/l	99
25) 2-Butanone	4.71	43	209764	86.416	ug/l	98
26) 2,2-Dichloropropane	4.59	77	72275	19.878	ug/l	94
27) cis-1,2-Dichloroethene	4.59	96	60456	19.354	ug/l	99
28) Bromochloromethane	5.02	49	46649	19.265	ug/l	99
29) Tetrahydrofuran	5.16	42	135016	92.234	ug/l	98
30) Chloroform	5.22	83	99268	19.207	ug/l	91
31) Cyclohexane	5.57	56	78289	17.320	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	80083	19.239	ug/l	99
36) 1,1-Dichloropropene	5.79	75	67171	16.547	ug/l	97
37) Ethyl Acetate	4.85	43	80539	17.445	ug/l	99
38) Carbon Tetrachloride	5.79	117	67728	17.082	ug/l	90

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Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 18 15:22:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	72715	17.166	ug/l	96
40) Benzene	6.15	78	205024	17.023	ug/l	99
41) Methacrylonitrile	5.06	41	44024	17.307	ug/l	99
42) 1,2-Dichloroethane	6.20	62	66914	16.751	ug/l	99
43) Isopropyl Acetate	6.46	43	104598	17.058	ug/l	99
44) Trichloroethene	7.21	130	62457	19.960	ug/l	99
45) 1,2-Dichloropropane	7.52	63	53735	18.541	ug/l	99
46) Dibromomethane	7.66	93	33109	18.084	ug/l	98
47) Bromodichloromethane	7.90	83	62317	17.998	ug/l	96
48) Methyl methacrylate	7.77	41	55527	18.297	ug/l	96
49) 1,4-Dioxane	7.76	88	27184	378.469	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	353706	81.737	ug/l	98
52) Toluene	8.79	92	123751	17.439	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	67276	16.634	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	75420	18.292	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	51800	16.954	ug/l	99
56) Ethyl methacrylate	9.18	69	69146	15.997	ug/l	99
57) 1,3-Dichloropropane	9.37	76	84426	17.006	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	187740	90.041	ug/l	97
59) 2-Hexanone	9.50	43	270180	81.398	ug/l	97
60) Dibromochloromethane	9.59	129	50366	17.510	ug/l	99
61) 1,2-Dibromoethane	9.68	107	52786	18.085	ug/l	98
64) Tetrachloroethene	9.34	164	68022	18.785	ug/l	98
65) Chlorobenzene	10.14	112	140257	19.469	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	50010	20.130	ug/l	99
67) Ethyl Benzene	10.26	91	225952	19.288	ug/l	99
68) m/p-Xylenes	10.36	106	179708	39.826	ug/l	96
69) o-Xylene	10.70	106	85496	19.708	ug/l	98
70) Styrene	10.71	104	144482	20.103	ug/l	98
71) Bromoform	10.86	173	39350	19.290	ug/l #	99
73) Isopropylbenzene	11.02	105	235676	20.291	ug/l	99
74) N-amyl acetate	10.90	43	89189	18.244	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	70230	18.746	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	86630	24.415	ug/l	88
77) Bromobenzene	11.26	156	64581	20.116	ug/l	99
78) n-propylbenzene	11.36	91	268932	20.138	ug/l	100
79) 2-Chlorotoluene	11.42	91	159953	19.748	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	199272	20.409	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	21622	19.424	ug/l	97
82) 4-Chlorotoluene	11.51	91	187084	19.790	ug/l	99
83) tert-Butylbenzene	11.77	119	186820	20.097	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	204297	20.493	ug/l	99
85) sec-Butylbenzene	11.95	105	239574	20.224	ug/l	99
86) p-Isopropyltoluene	12.07	119	215436	20.595	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	119016	19.870	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	120835	19.524	ug/l	99
89) n-Butylbenzene	12.39	91	181409	19.031	ug/l	97
90) Hexachloroethane	12.60	117	32315	19.297	ug/l	95
91) 1,2-Dichlorobenzene	12.40	146	118757	19.589	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15461	19.327	ug/l	97

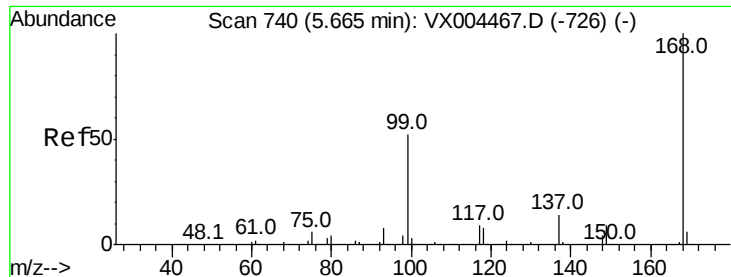
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091818\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	84686	19.728	ug/l	99
94) Hexachlorobutadiene	13.79	225	45999	20.514	ug/l	97
95) Naphthalene	13.83	128	242058	20.104	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	89557	20.307	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :

MSVOA_X

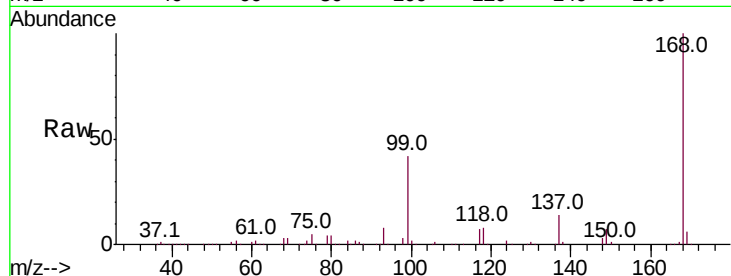
ClientSampleId :

Tot Ion:168 Resp: 242352

Ion Ratio Lower Upper

168 100

99 41.8 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

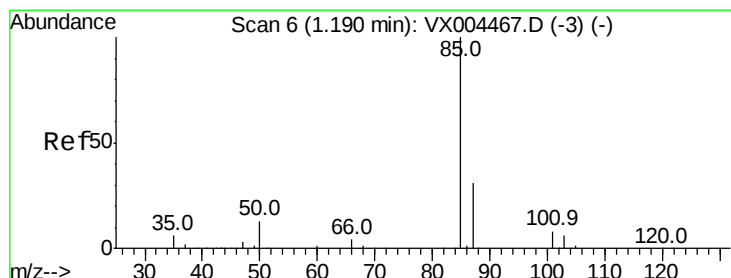
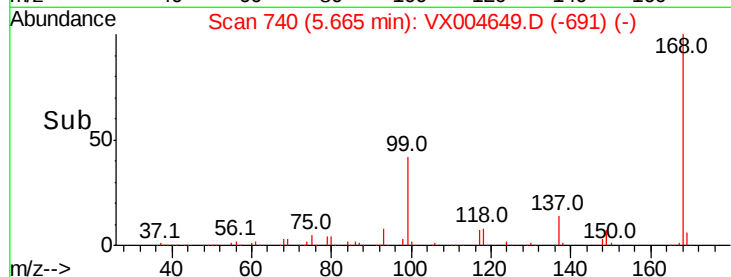
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 17.734 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004649.D

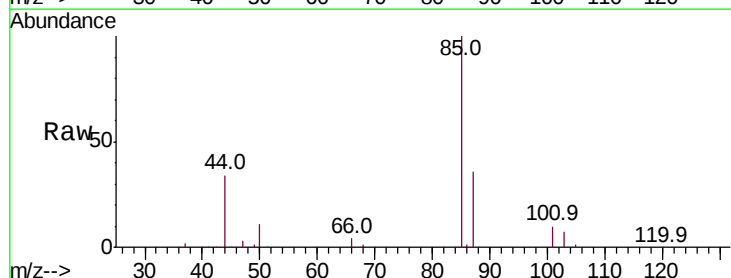
Acq: 18 Sep 2018 11:22

Tgt Ion: 85 Resp: 40279

Ion Ratio Lower Upper

85 100

87 36.2 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

40000

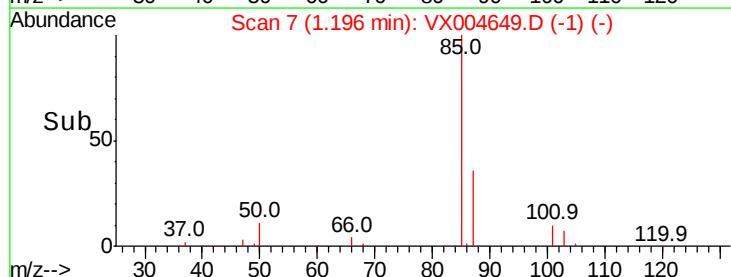
30000

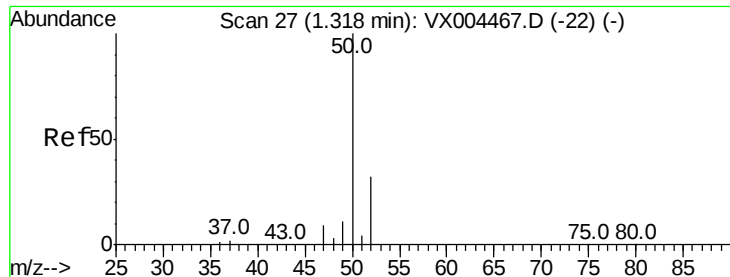
20000

10000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 19.055 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :

MSVOA_X

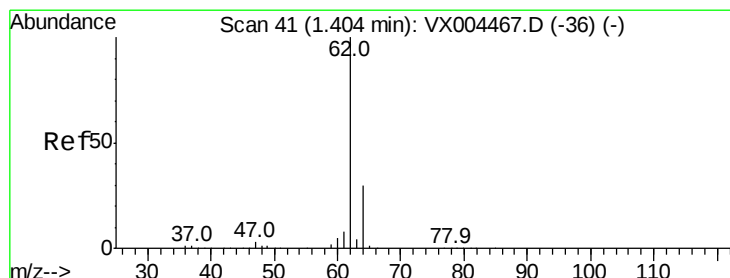
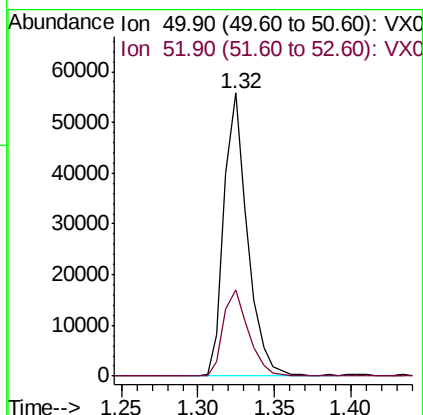
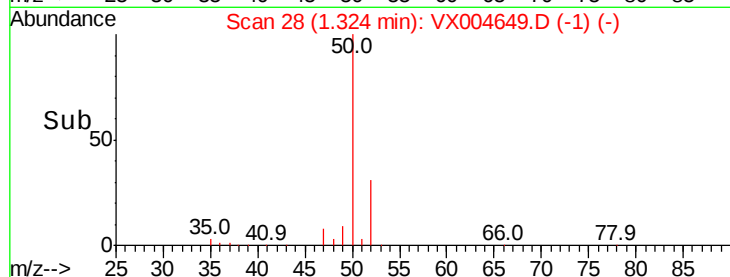
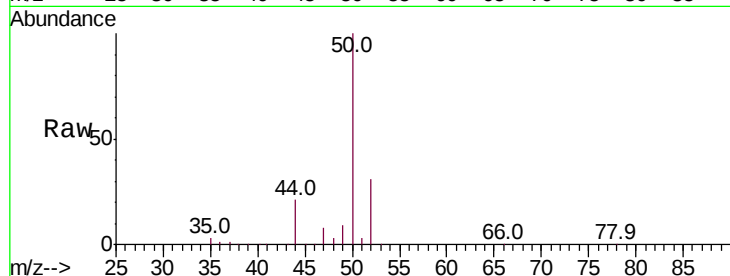
ClientSampleId :

Tot Ion: 50 Resp: 59563

Ion Ratio Lower Upper

50 100

52 30.6 26.2 39.2



#4

Vinyl Chloride

Concen: 19.935 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004649.D

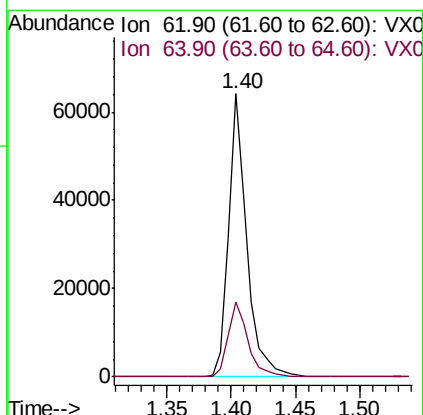
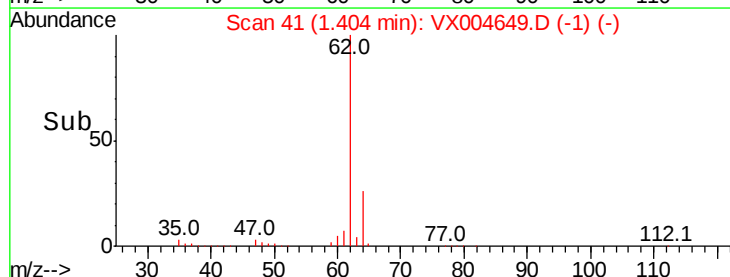
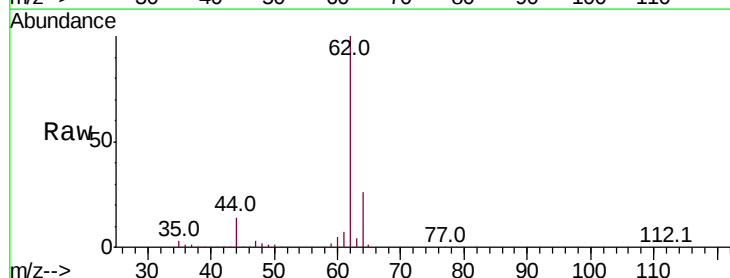
Acq: 18 Sep 2018 11:22

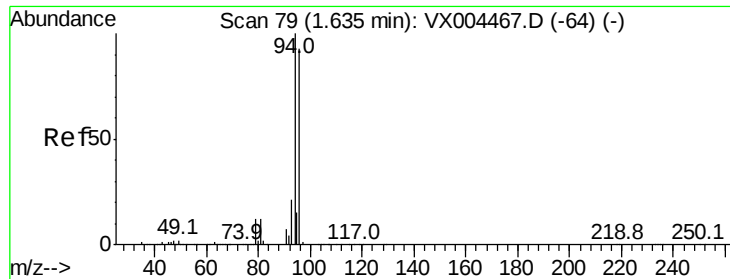
Tgt Ion: 62 Resp: 63958

Ion Ratio Lower Upper

62 100

64 26.5 25.8 38.8





#5

Bromomethane

Concen: 23.304 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :

MSVOA_X

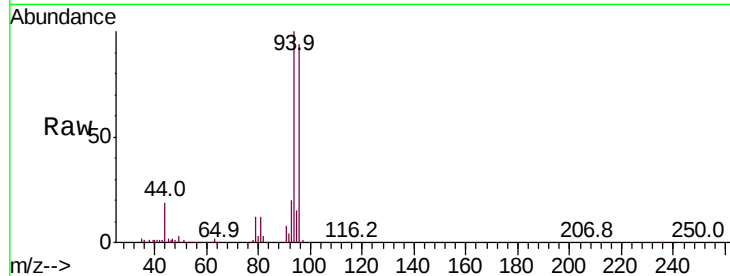
ClientSampleId :

Tot Ion: 94 Resp: 32153

Ion Ratio Lower Upper

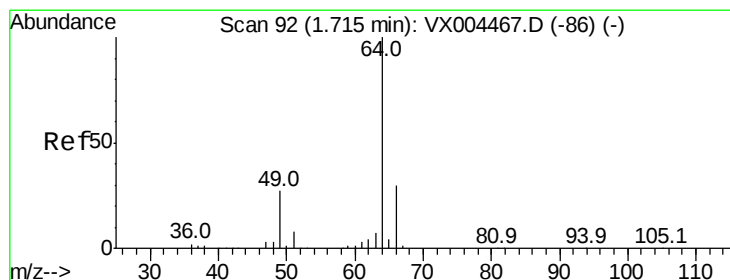
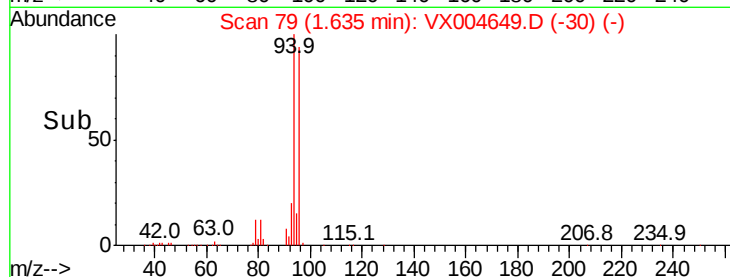
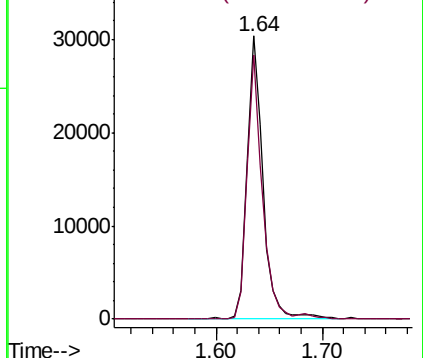
94 100

96 93.3 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 17.887 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004649.D

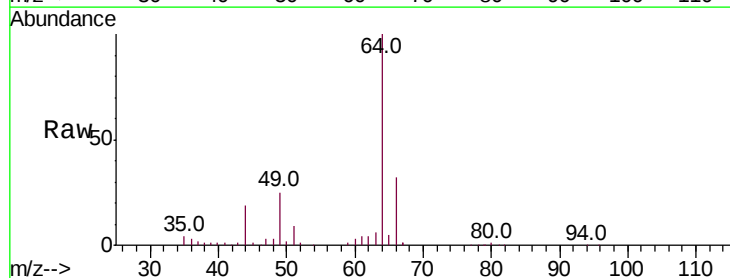
Acq: 18 Sep 2018 11:22

Tgt Ion: 64 Resp: 37111

Ion Ratio Lower Upper

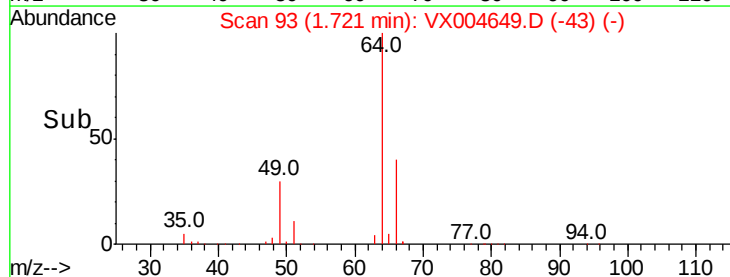
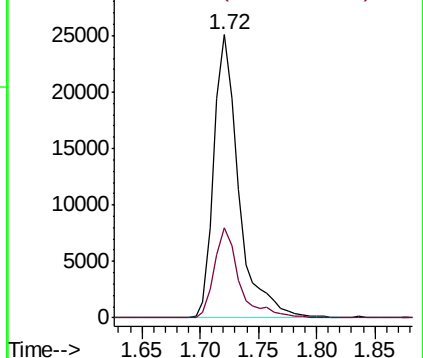
64 100

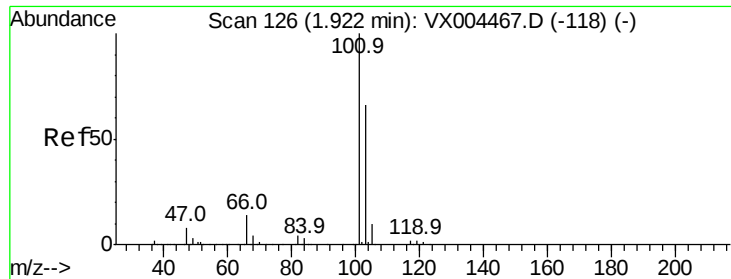
66 31.7 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



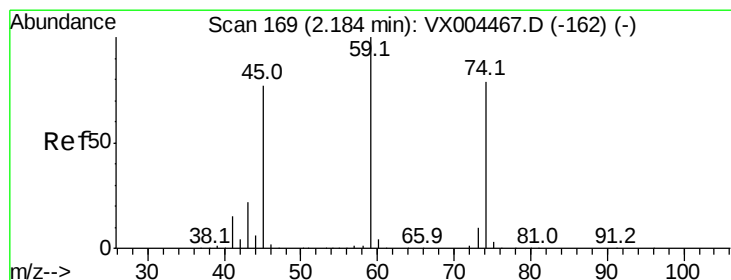
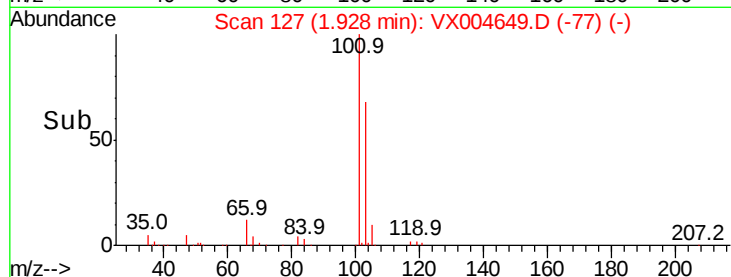
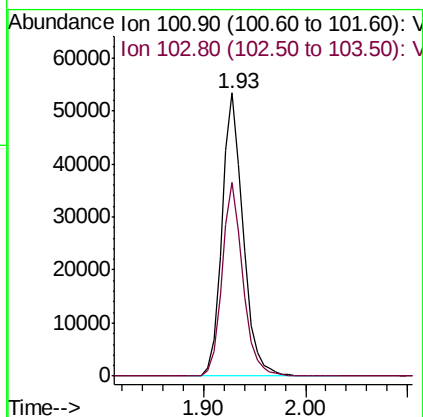
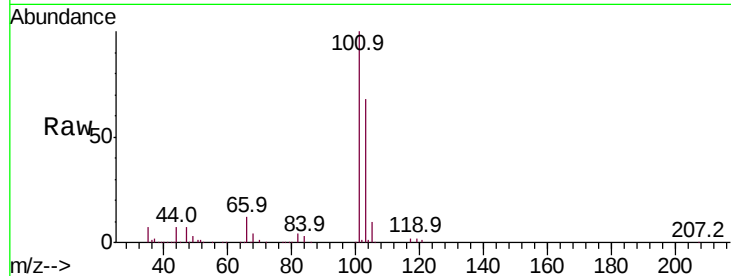


#7

Trichlorofluoromethane
 Concen: 18.030 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX004649.D
 Acq: 18 Sep 2018 11:22

Instrument :
 MSVOA_X
 ClientSampled :

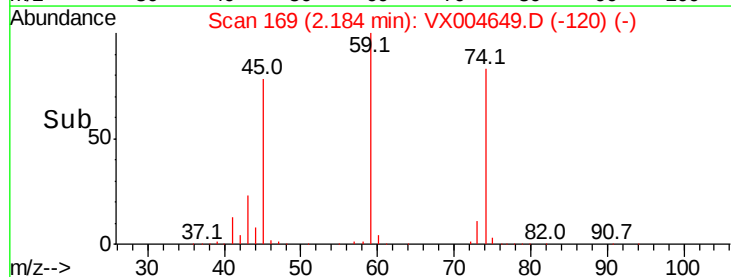
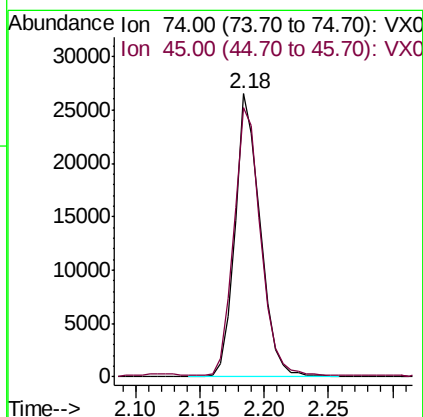
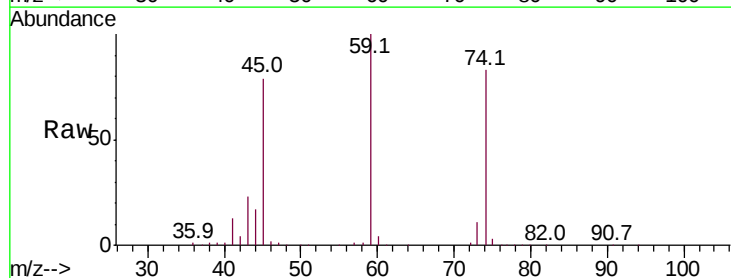
Tot Ion:101 Resp: 76683
 Ion Ratio Lower Upper
 101 100
 103 68.4 48.9 73.3

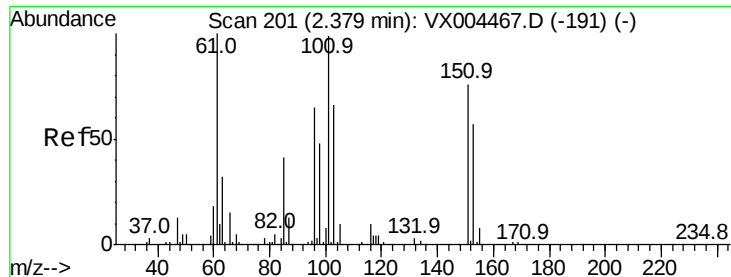


#8

Diethyl Ether
 Concen: 18.918 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VX004649.D
 Acq: 18 Sep 2018 11:22

Tgt Ion: 74 Resp: 36071
 Ion Ratio Lower Upper
 74 100
 45 100.9 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.303 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :

MSVOA_X

ClientSampleId :

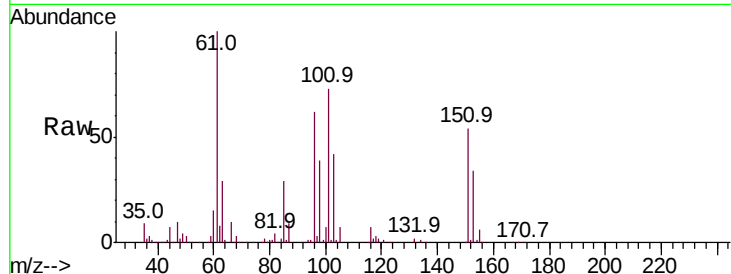
Tot Ion:101 Resp: 49384

Ion Ratio Lower Upper

101 100

85 42.9 34.2 51.4

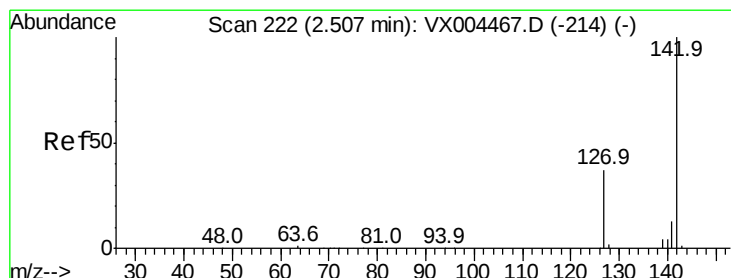
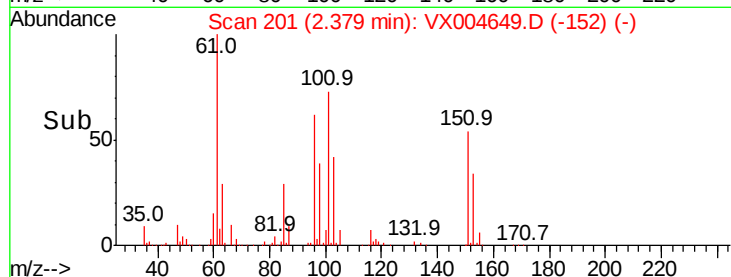
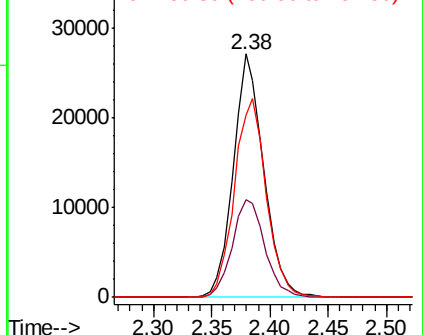
151 85.5 65.0 97.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.895 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

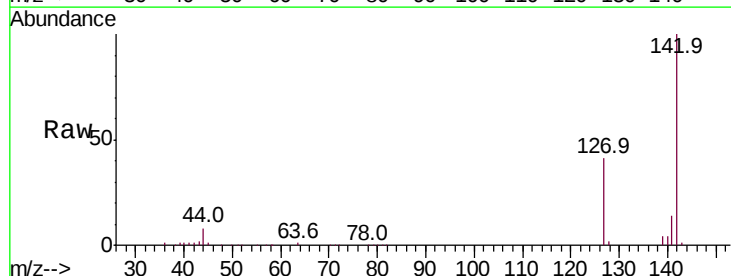
Tgt Ion:142 Resp: 48080

Ion Ratio Lower Upper

142 100

127 40.3 33.8 50.6

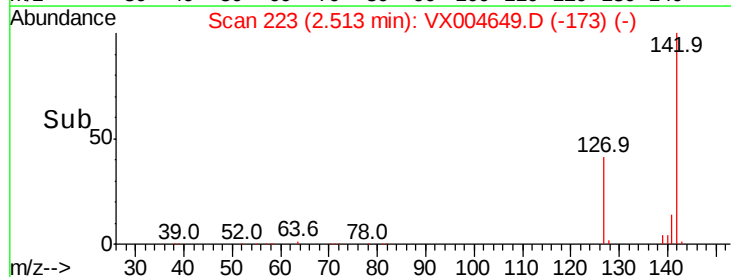
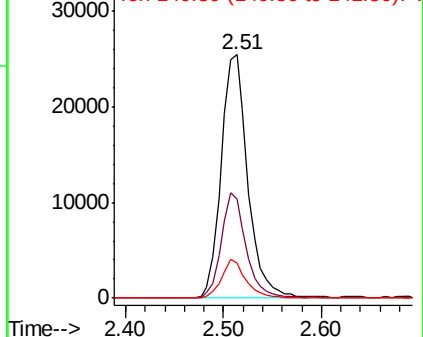
141 14.3 11.4 17.0

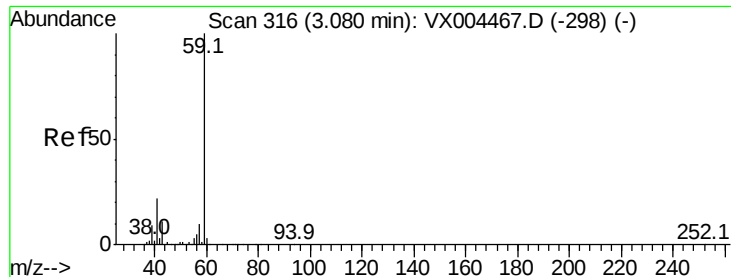


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



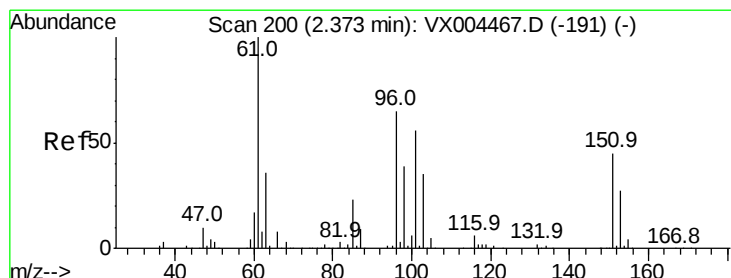
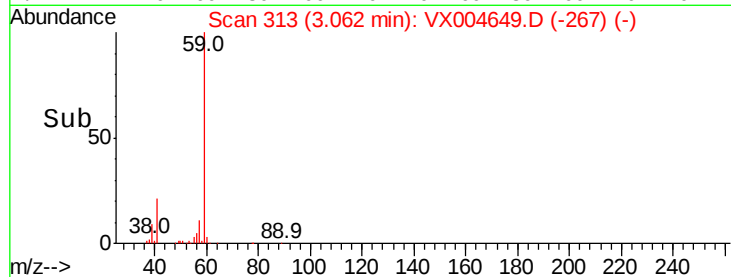
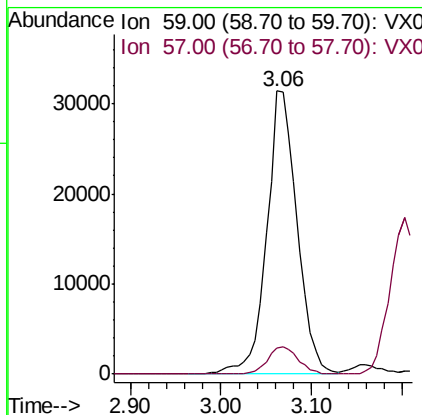
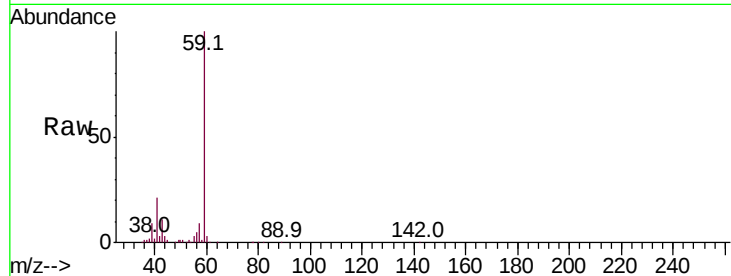


#11

Tert butyl alcohol
 Concen: 97.259 ug/l
 RT: 3.06 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: VX004649.D
 Acq: 18 Sep 2018 11:22

Instrument :
 MSVOA_X
 ClientSampleId :

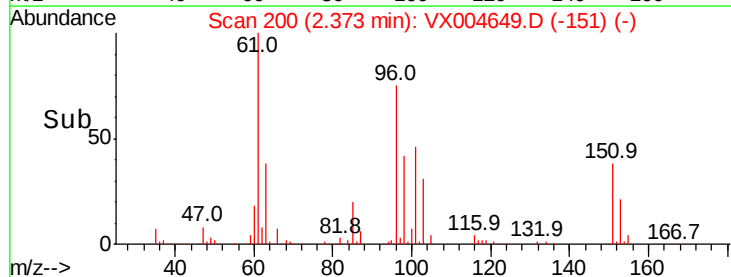
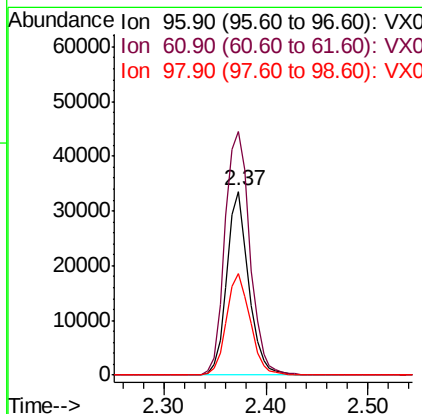
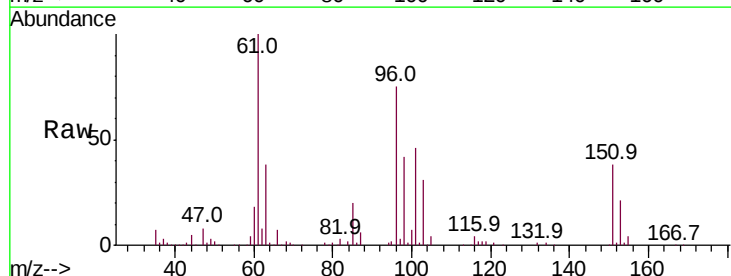
Tot Ion: 59 Resp: 72521
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.2 12.4

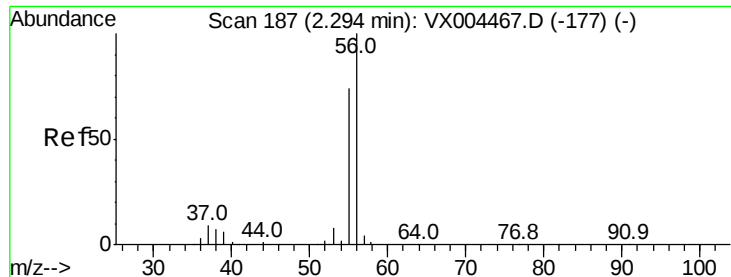


#12

1,1-Dichloroethene
 Concen: 19.625 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX004649.D
 Acq: 18 Sep 2018 11:22

Tgt Ion: 96 Resp: 49696
 Ion Ratio Lower Upper
 96 100
 61 132.7 128.8 193.2
 98 55.4 52.2 78.2





#13

Acrolein

Concen: 56.788 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

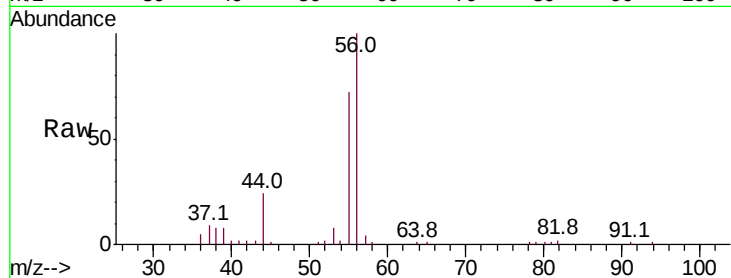
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 16715

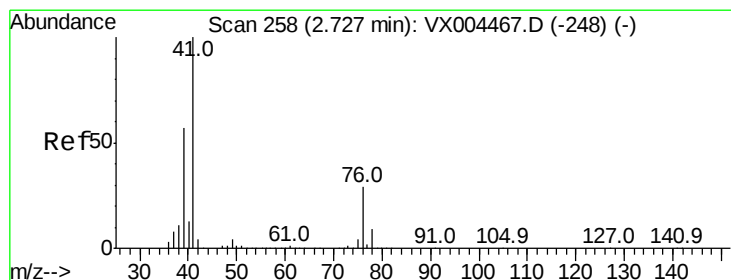
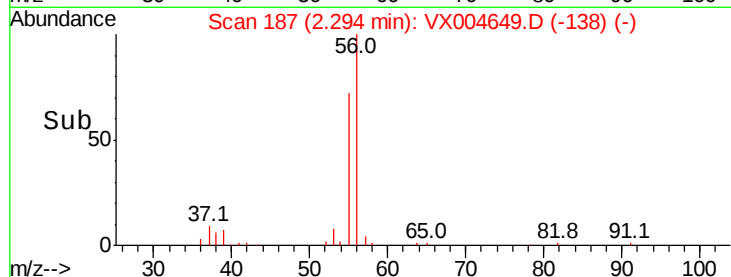
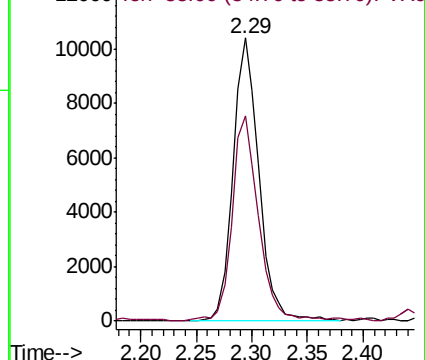
Ion Ratio Lower Upper

56 100

55 74.5 54.7 82.1



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



#14

Allyl chloride

Concen: 18.327 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

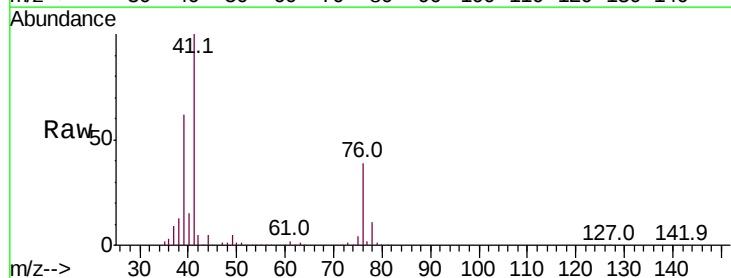
Tgt Ion: 41 Resp: 95412

Ion Ratio Lower Upper

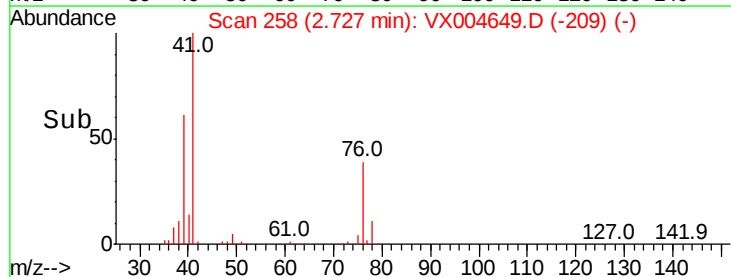
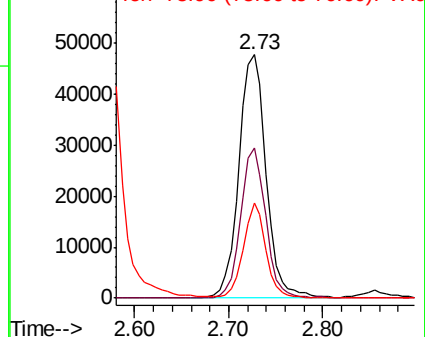
41 100

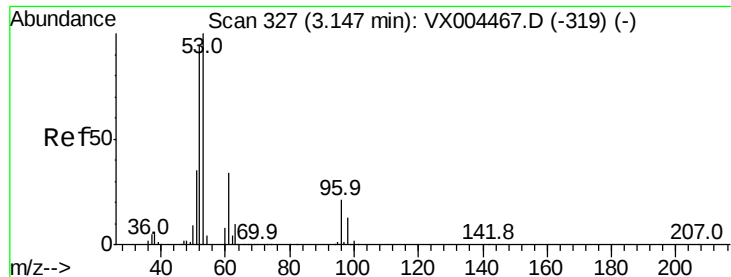
39 56.6 48.9 73.3

76 32.6 26.7 40.1



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 93.732 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :

MSVOA_X

ClientSampled :

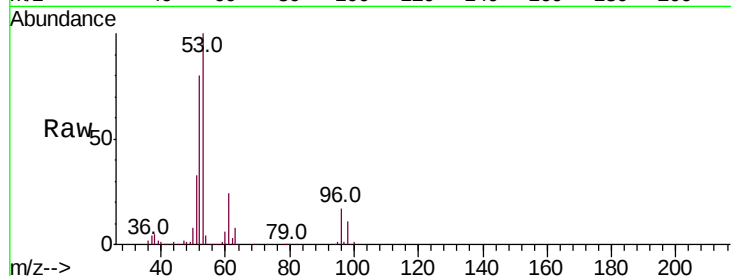
Tot Ion: 53 Resp: 168306

Ion Ratio Lower Upper

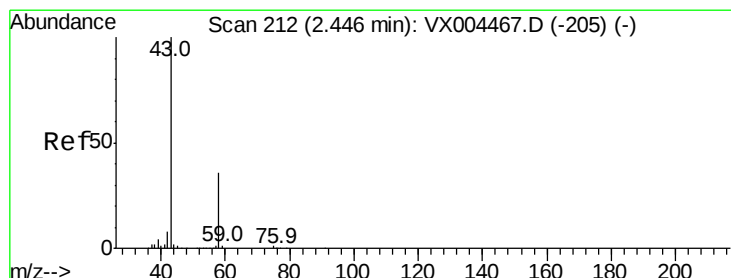
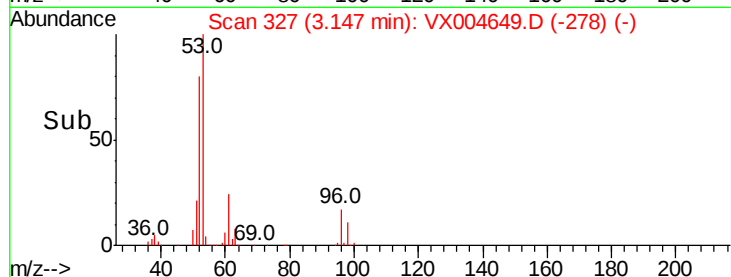
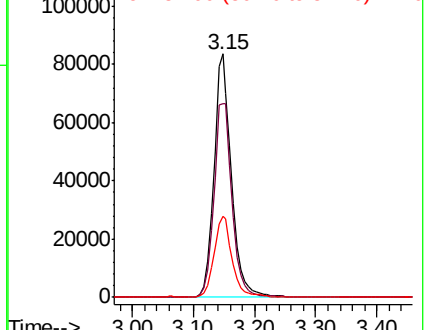
53 100

52 83.4 65.2 97.8

51 34.7 28.2 42.2



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: 90.269 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004649.D

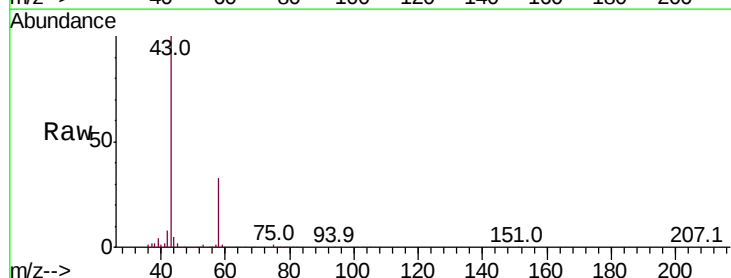
Acq: 18 Sep 2018 11:22

Tgt Ion: 43 Resp: 137678

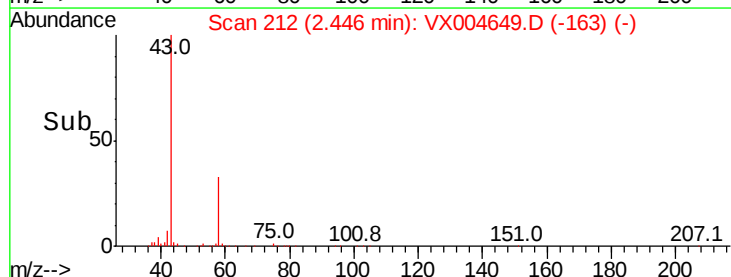
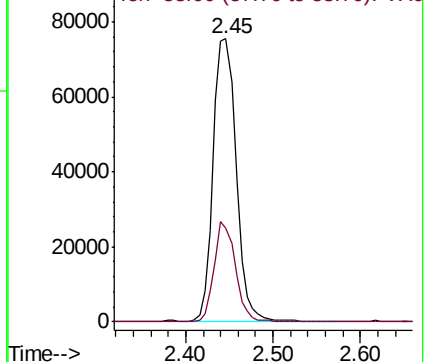
Ion Ratio Lower Upper

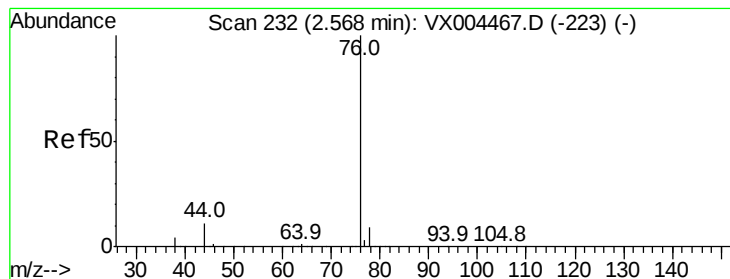
43 100

58 33.3 26.2 39.4



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





#17

Carbon Disulfide

Concen: 17.596 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :

MSVOA_X

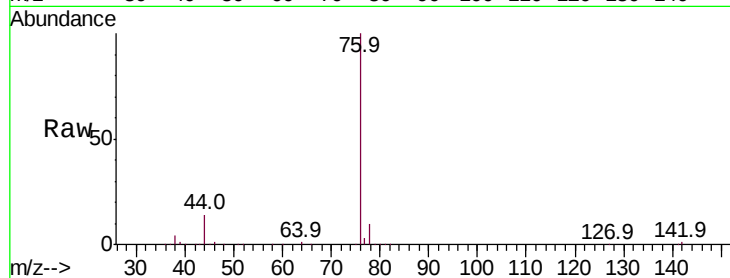
ClientSampleId :

Tot Ion: 76 Resp: 128796

Ion Ratio Lower Upper

76 100

78 9.6 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

80000

60000

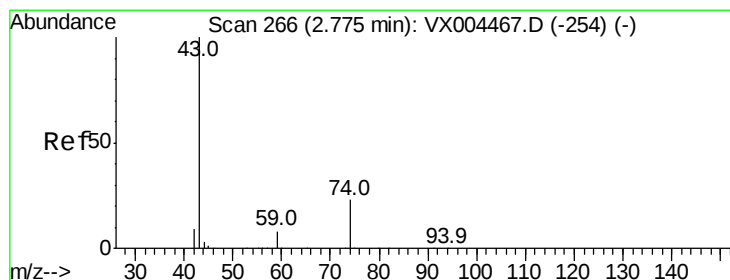
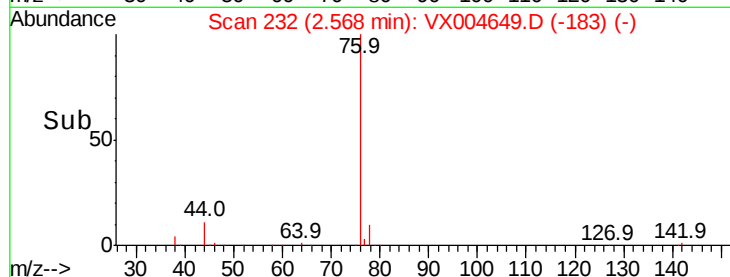
40000

20000

0

Time-->

2.50 2.60 2.70



#18

Methyl Acetate

Concen: 20.305 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX004649.D

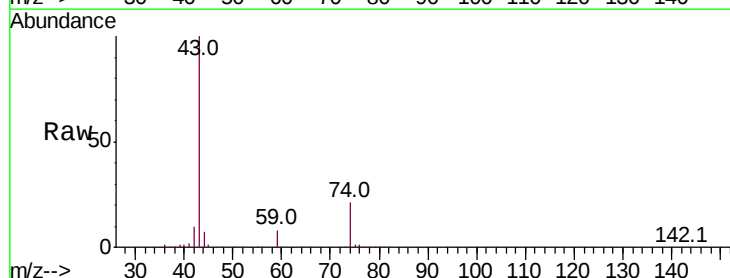
Acq: 18 Sep 2018 11:22

Tgt Ion: 43 Resp: 86886

Ion Ratio Lower Upper

43 100

74 22.3 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

50000

40000

30000

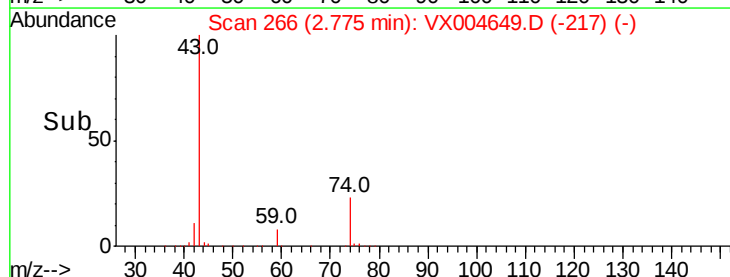
20000

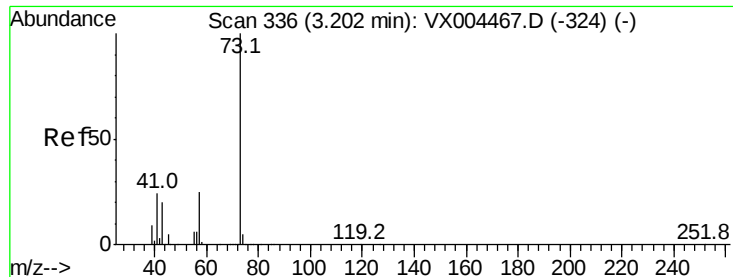
10000

0

Time-->

2.70 2.80



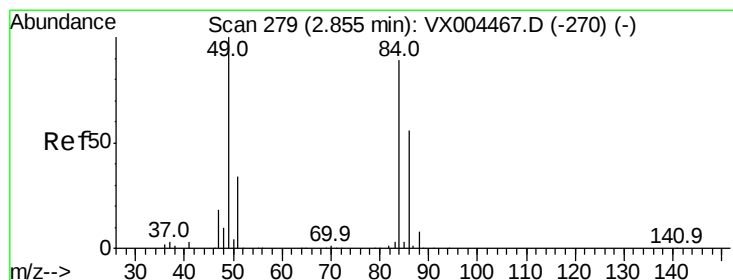
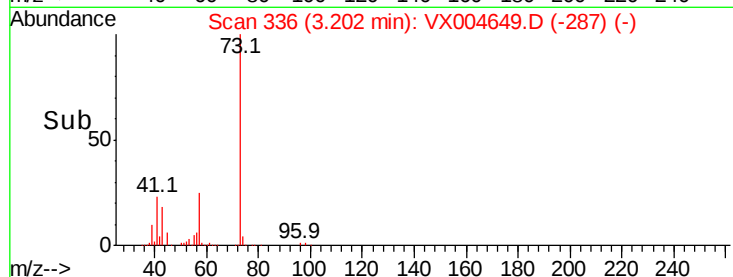
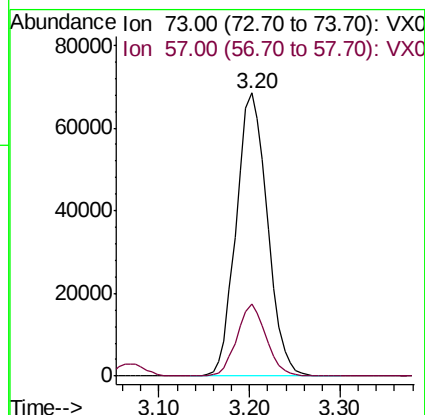
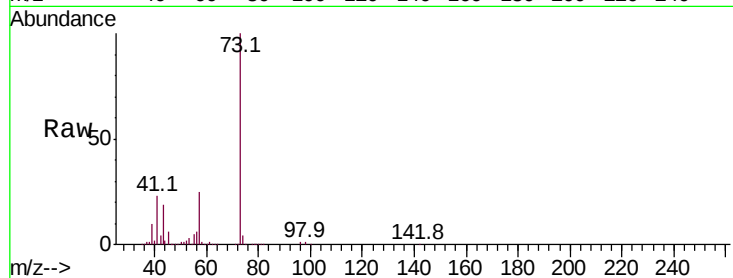


#19

Methyl tert-butyl Ether
 Concen: 18.408 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX004649.D
 Acq: 18 Sep 2018 11:22

Instrument :
 MSVOA_X
 ClientSampleId :

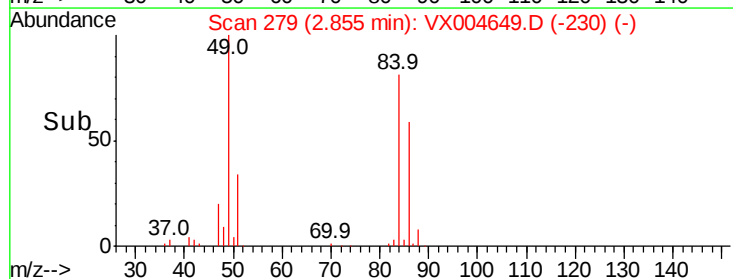
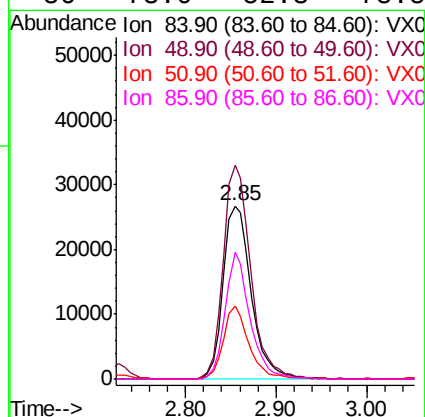
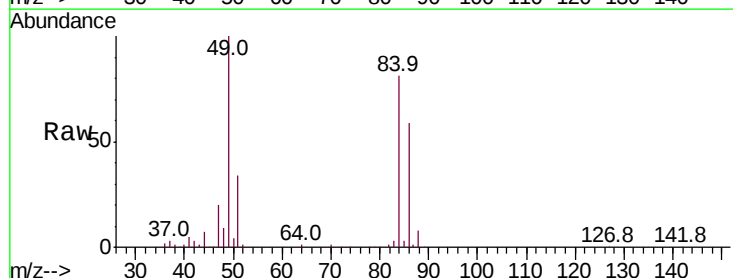
Tot Ion: 73 Resp: 163560
 Ion Ratio Lower Upper
 73 100
 57 25.3 17.1 25.7

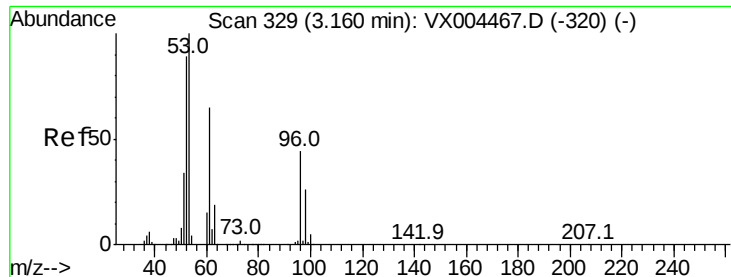


#20

Methylene Chloride
 Concen: 18.486 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX004649.D
 Acq: 18 Sep 2018 11:22

Tgt Ion: 84 Resp: 57839
 Ion Ratio Lower Upper
 84 100
 49 123.5 101.2 151.8
 51 41.9 29.5 44.3
 86 73.0 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 18.349 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :
MSVOA_X
ClientSampleId :

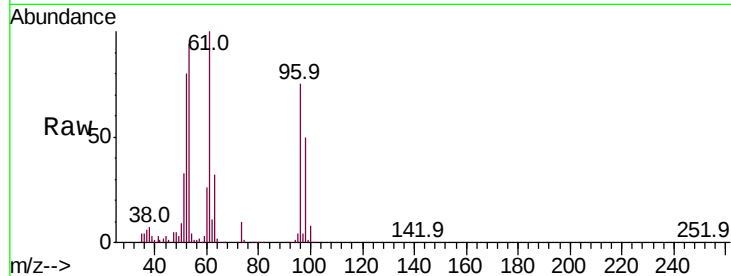
Tot Ion: 96 Resp: 51345

Ion Ratio Lower Upper

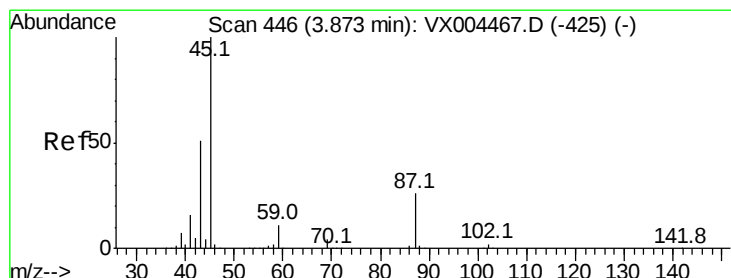
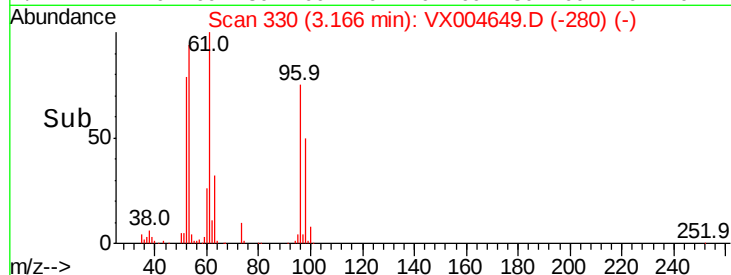
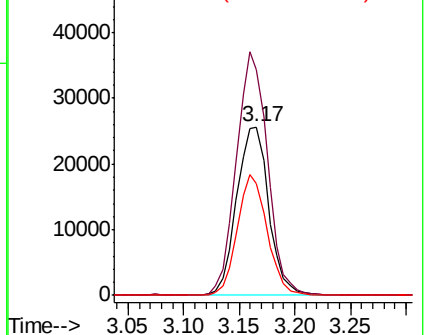
96 100

61 134.0 113.8 170.6

98 66.5 51.8 77.8



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: 18.638 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Tgt Ion: 45 Resp: 174760

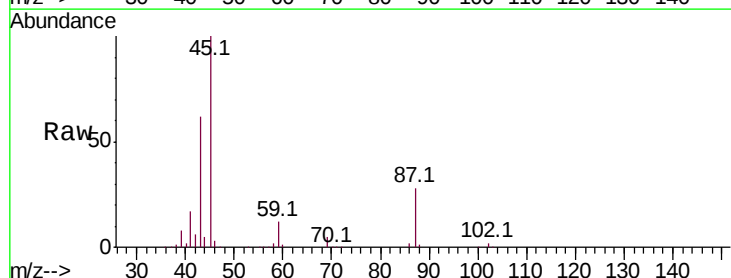
Ion Ratio Lower Upper

45 100

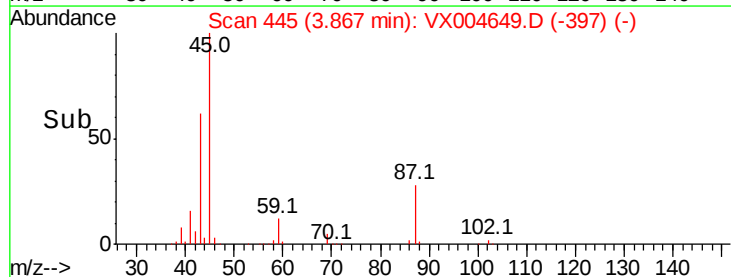
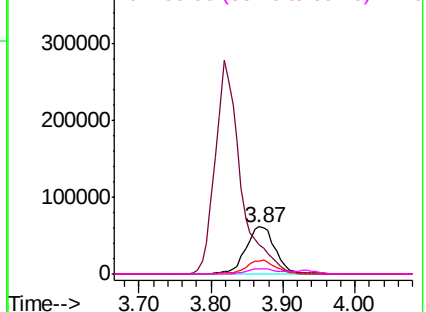
43 61.8 42.8 64.2

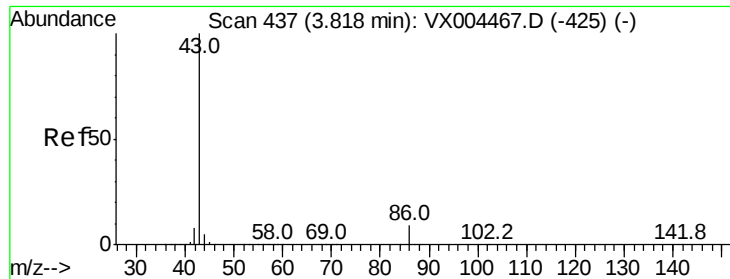
87 27.5 22.6 34.0

59 11.8 9.6 14.4



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: 90.821 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

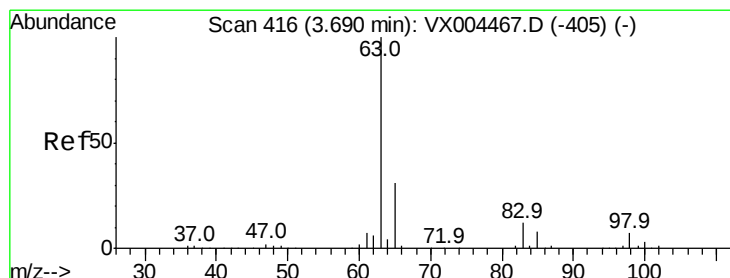
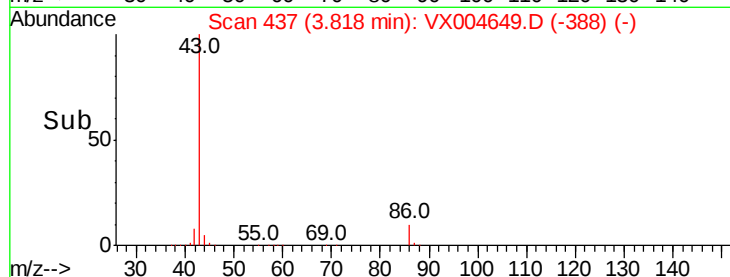
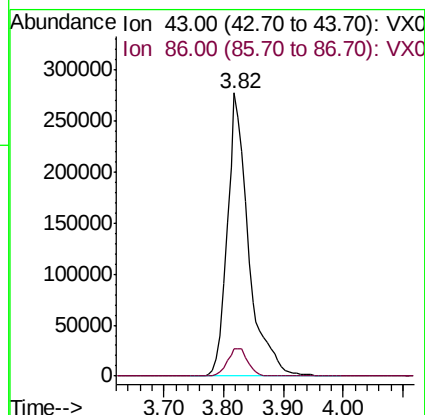
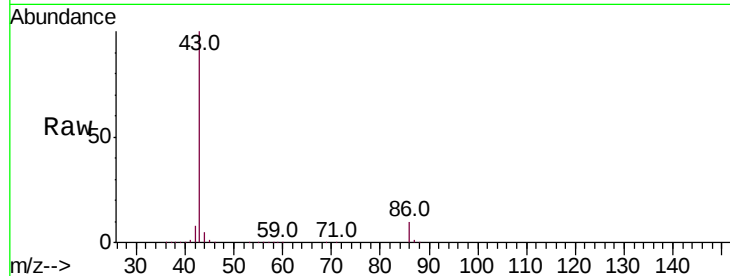
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 689133

Ion Ratio Lower Upper

43 100

86 9.6 8.9 13.3



#24

1,1-Dichloroethane

Concen: 18.700 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

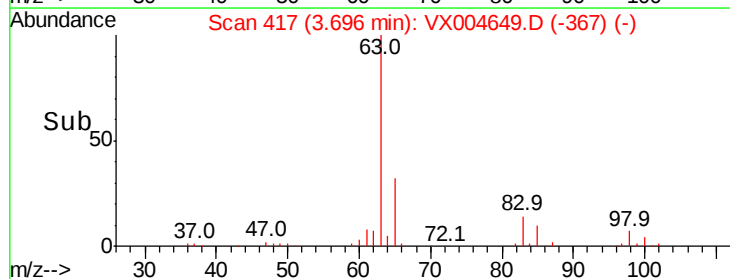
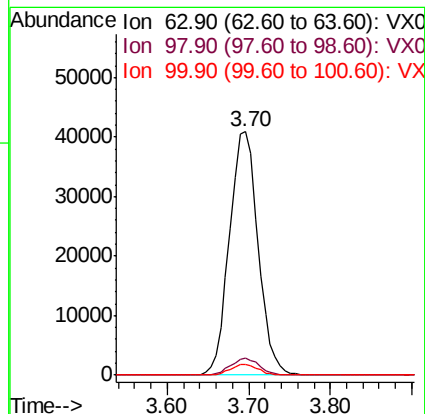
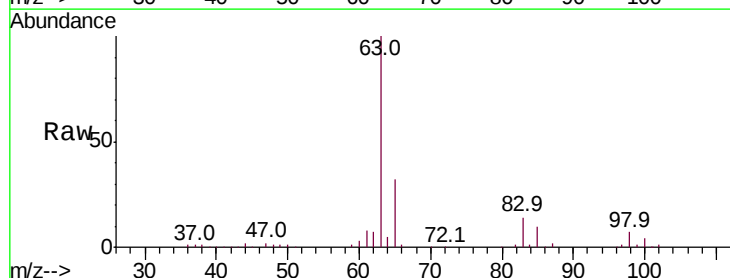
Tgt Ion: 63 Resp: 98993

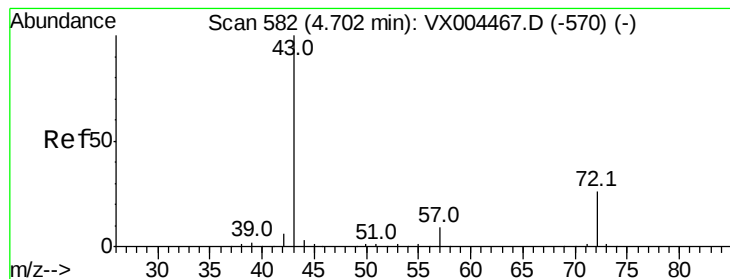
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.4

100 4.5 2.4 7.1





#25

2-Butanone

Concen: 86.416 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :

MSVOA_X

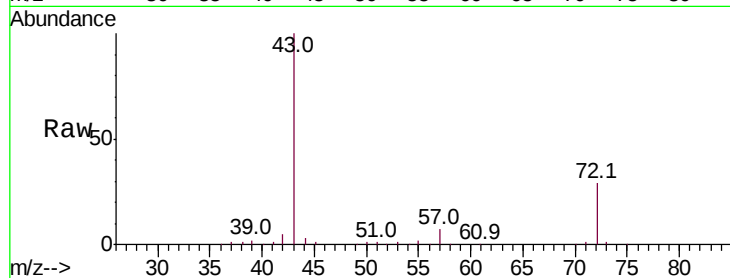
ClientSampleId :

Tot Ion: 43 Resp: 209764

Ion Ratio Lower Upper

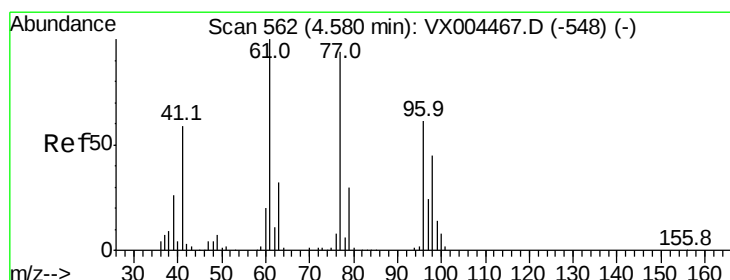
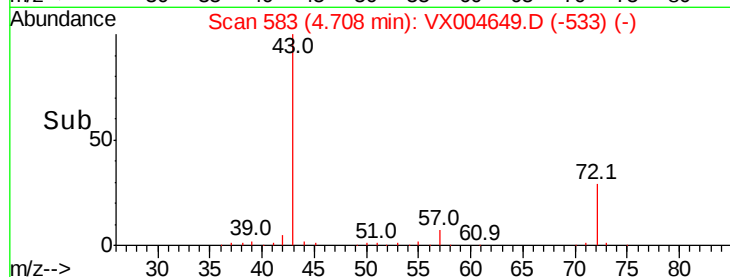
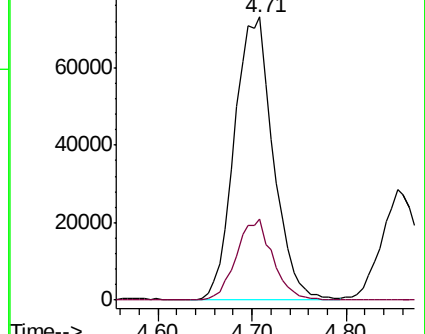
43 100

72 28.6 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 19.878 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX004649.D

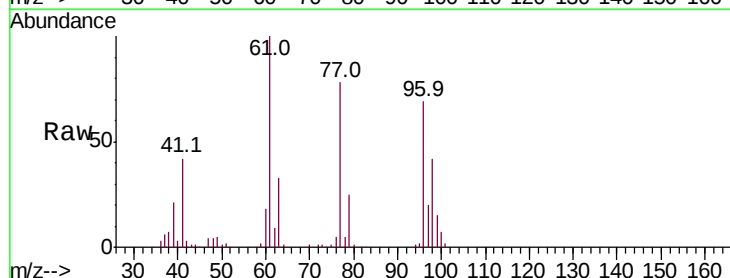
Acq: 18 Sep 2018 11:22

Tgt Ion: 77 Resp: 72275

Ion Ratio Lower Upper

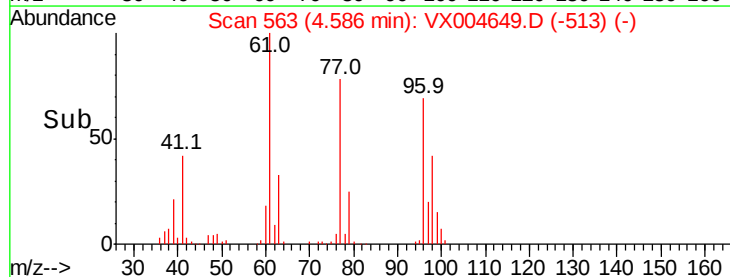
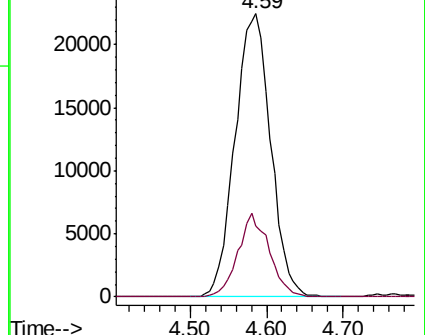
77 100

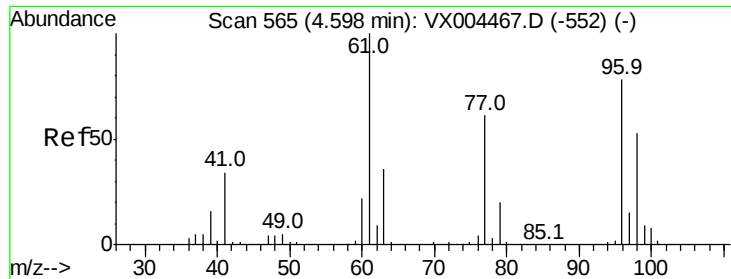
97 26.0 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



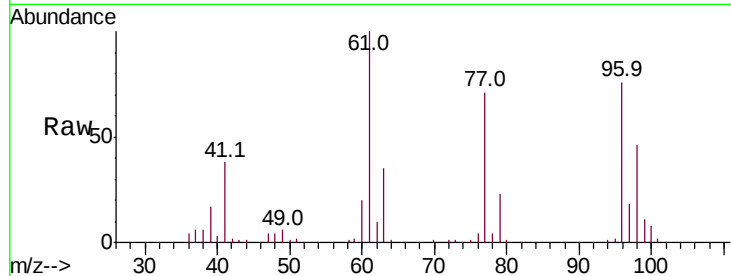


#27

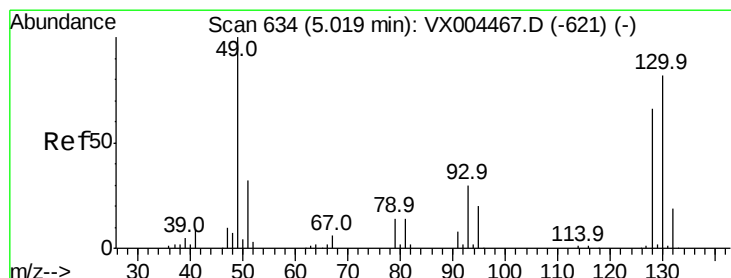
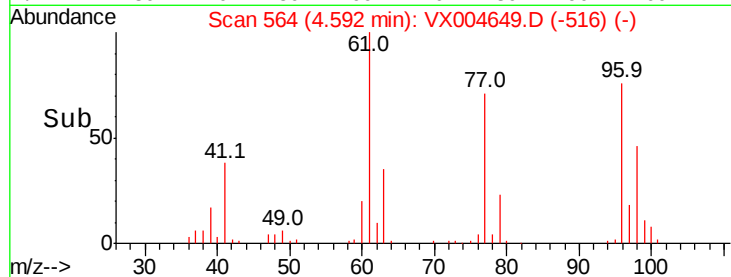
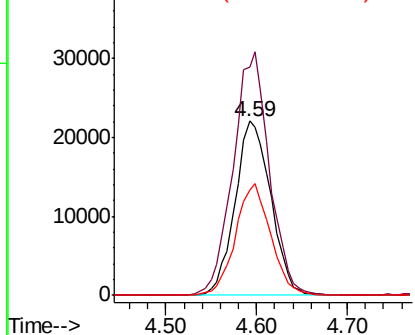
cis-1,2-Dichloroethene
Concen: 19.354 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 96 Resp: 60456
Ion Ratio Lower Upper
96 100
61 141.7 0.0 282.6
98 63.0 0.0 130.2



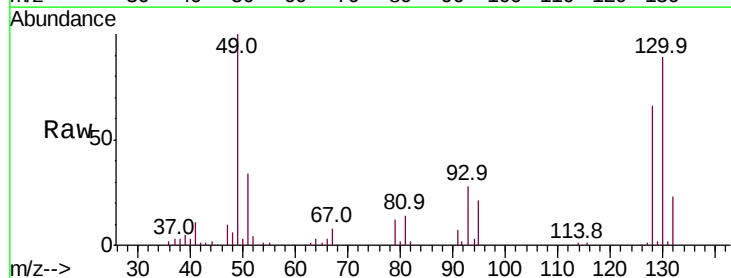
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



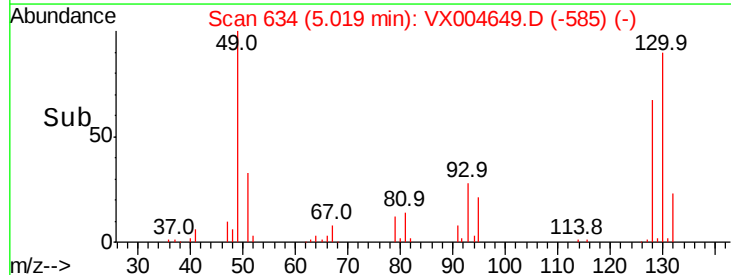
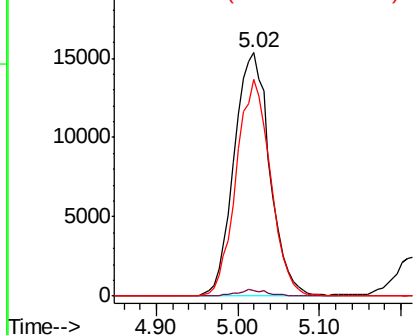
#28

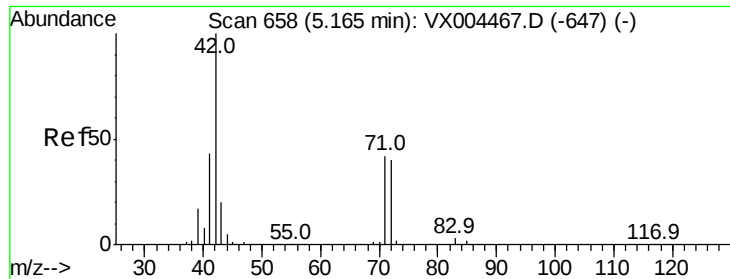
Bromochloromethane
Concen: 19.265 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Tgt Ion: 49 Resp: 46649
Ion Ratio Lower Upper
49 100
129 2.2 0.0 4.2
130 85.4 67.5 101.3



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





#29

Tetrahydrofuran

Concen: 92.234 ug/l

RT: 5.16 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :

MSVOA_X

ClientSampled :

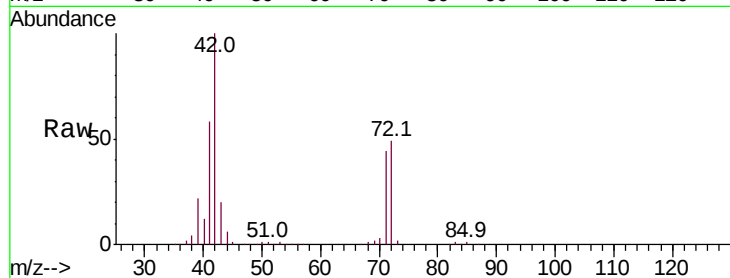
Tot Ion: 42 Resp: 135016

Ion Ratio Lower Upper

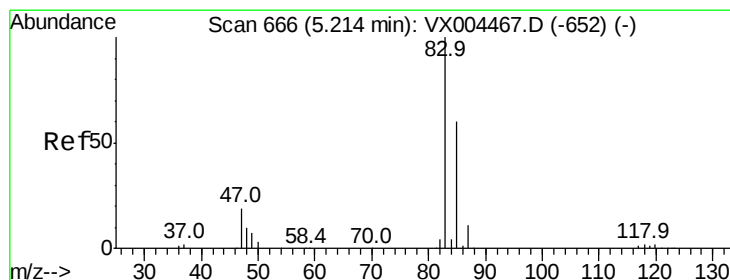
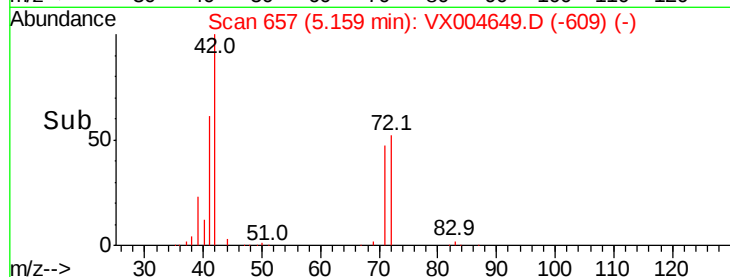
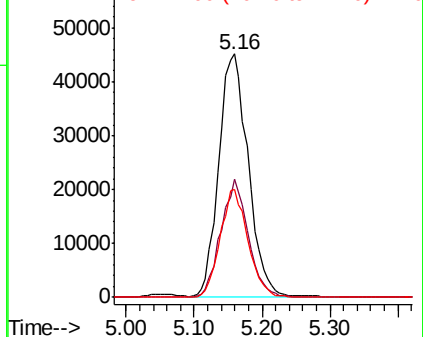
42 100

72 45.3 37.4 56.0

71 42.2 34.5 51.7



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 19.207 ug/l

RT: 5.22 min Scan# 667

Delta R.T. 0.01 min

Lab File: VX004649.D

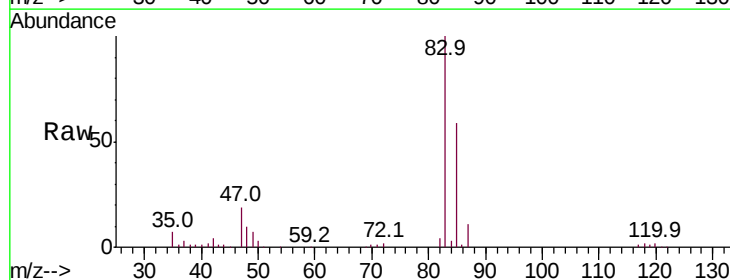
Acq: 18 Sep 2018 11:22

Tgt Ion: 83 Resp: 99268

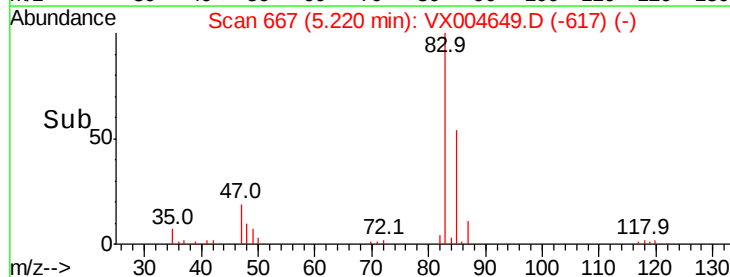
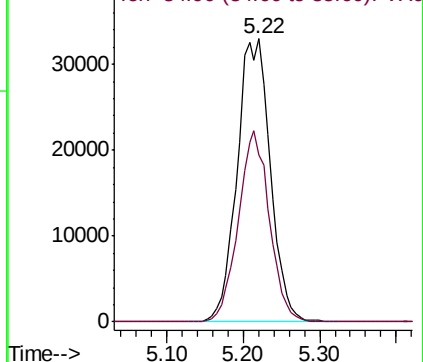
Ion Ratio Lower Upper

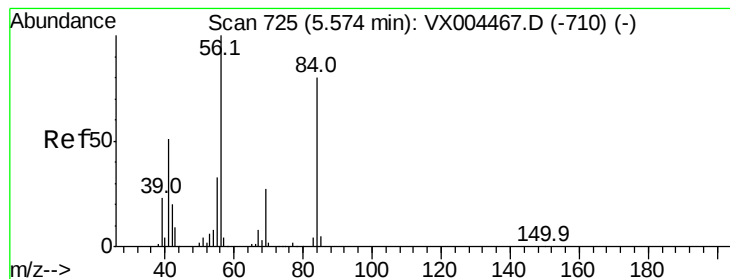
83 100

85 58.8 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 17.320 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :

MSVOA_X

ClientSampleId :

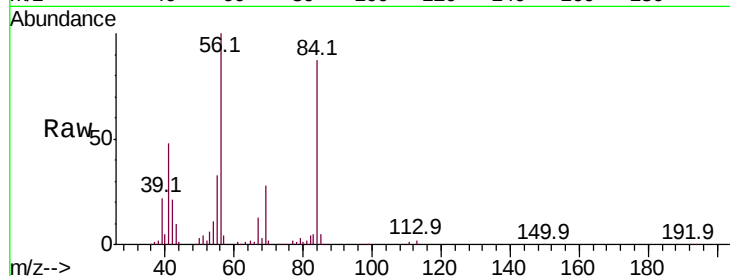
Tot Ion: 56 Resp: 78289

Ion Ratio Lower Upper

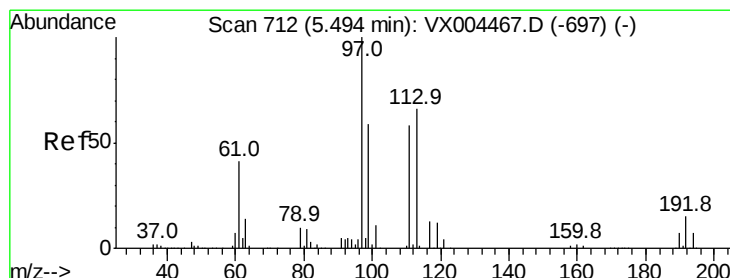
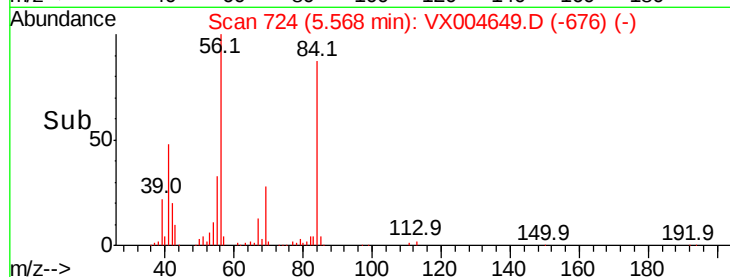
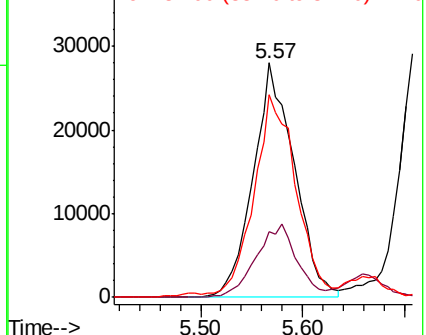
56 100

69 28.1 25.4 38.2

84 85.1 71.4 107.2



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



#32

1,1,1-Trichloroethane

Concen: 19.239 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

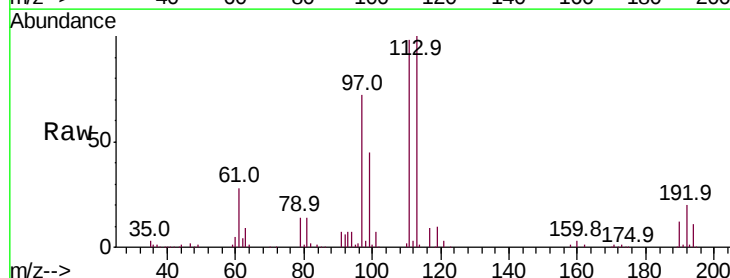
Tgt Ion: 97 Resp: 80083

Ion Ratio Lower Upper

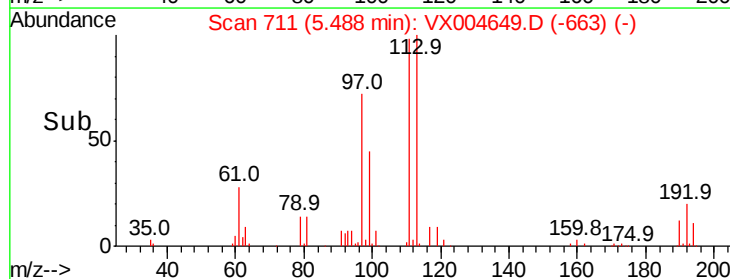
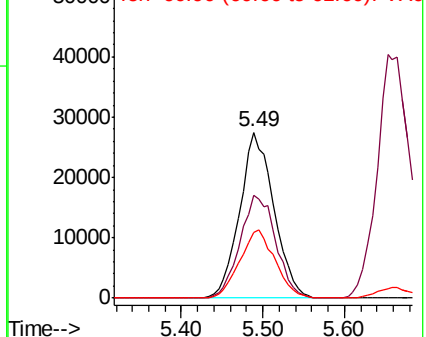
97 100

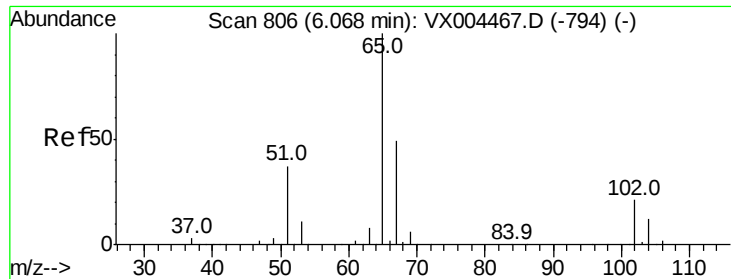
99 64.8 52.0 78.0

61 42.3 34.9 52.3



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

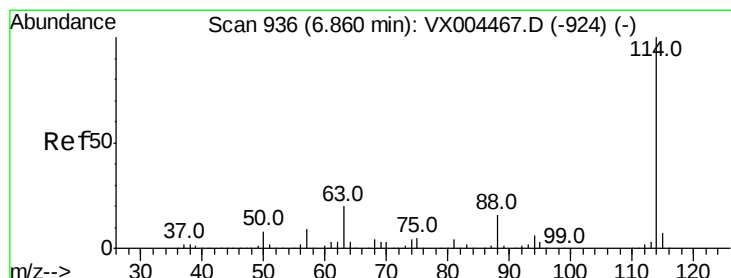
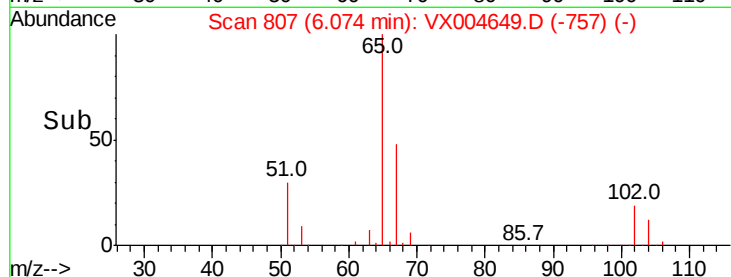
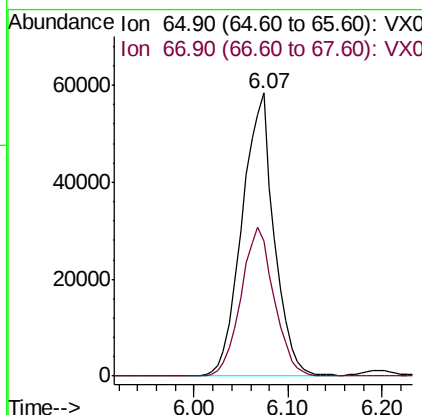
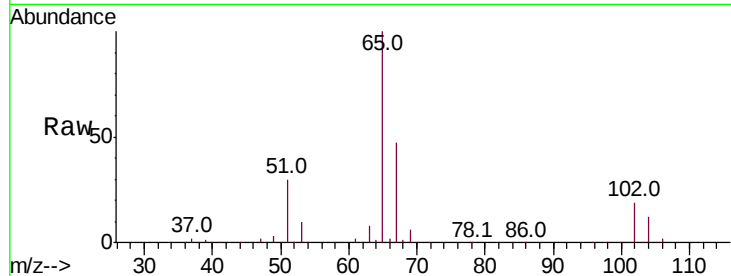




#33
 1,2-Dichloroethane-d4
 Concen: 44.540 ug/l
 RT: 6.07 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX004649.D
 Acq: 18 Sep 2018 11:22

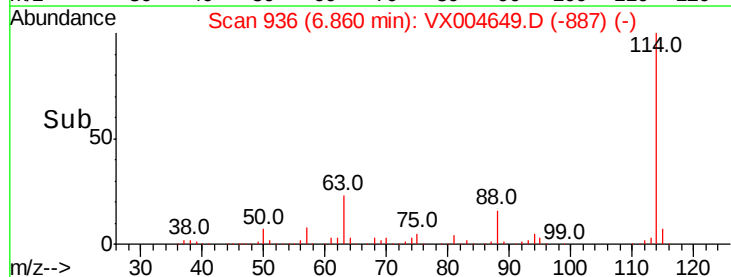
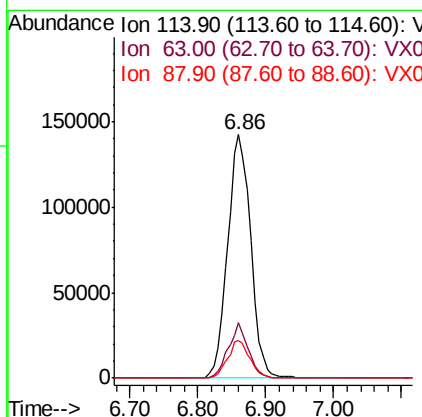
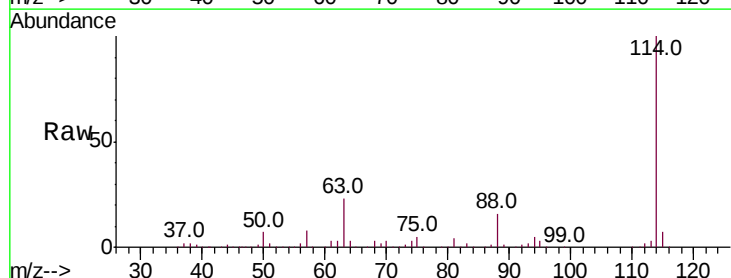
Instrument :
 MSVOA_X
 ClientSampleId :

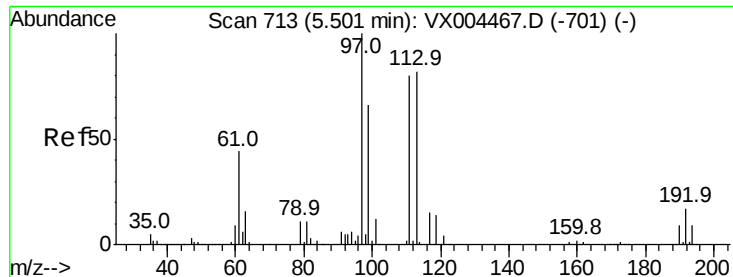
Tot Ion: 65 Resp: 139184
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004649.D
 Acq: 18 Sep 2018 11:22

Tgt Ion: 114 Resp: 334359
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 39.0
 88 15.5 0.0 30.4

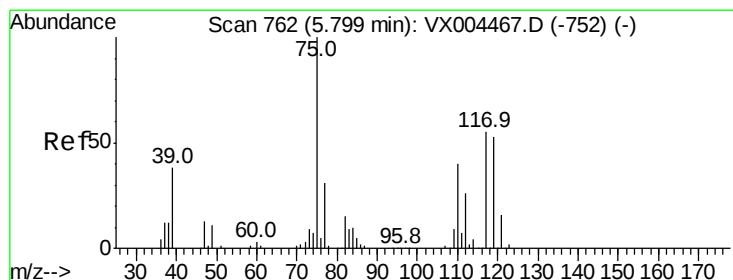
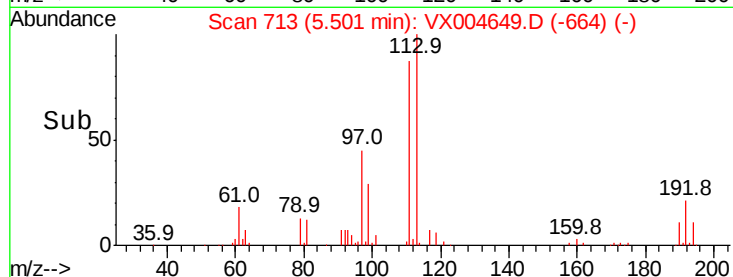
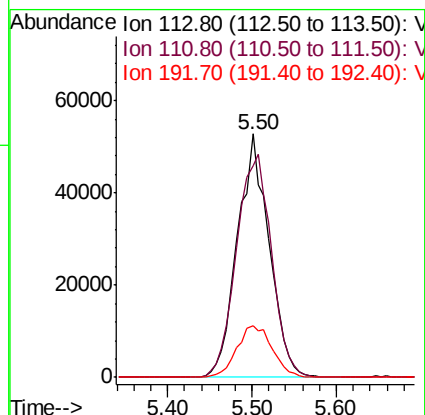
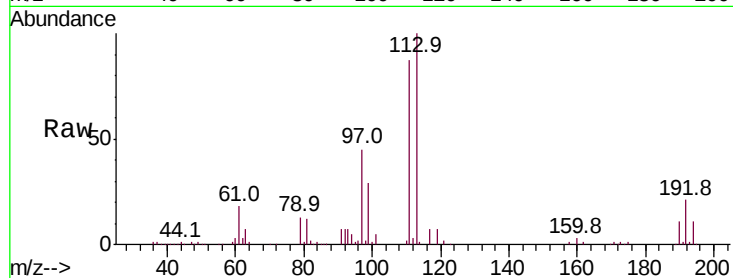




#35
 Dibromofluoromethane
 Concen: 43.965 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004649.D
 Acq: 18 Sep 2018 11:22

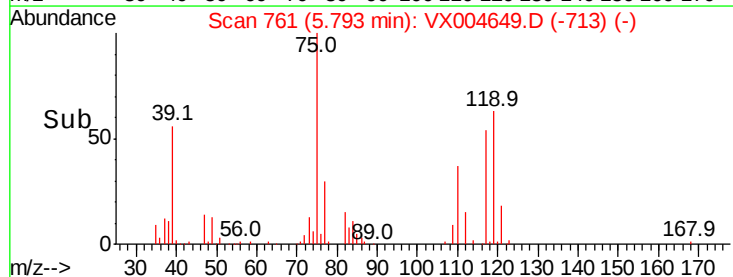
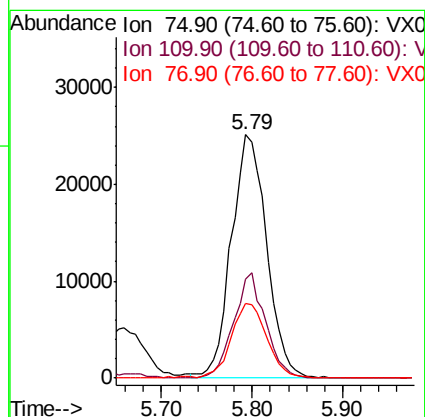
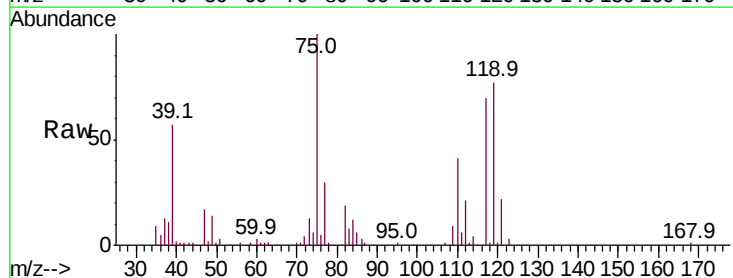
Instrument :
 MSVOA_X
 ClientSampleId :

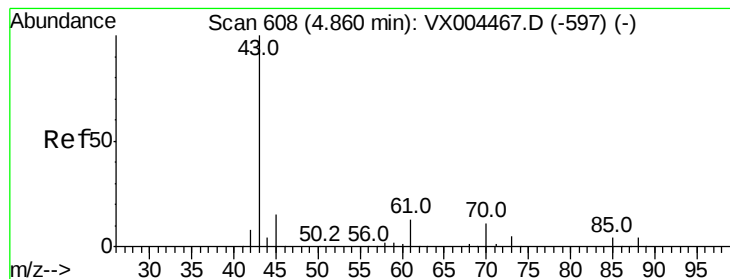
Tot Ion:113 Resp: 134518
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.4 123.6
 192 23.5 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 16.547 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX004649.D
 Acq: 18 Sep 2018 11:22

Tgt Ion: 75 Resp: 67171
 Ion Ratio Lower Upper
 75 100
 110 39.0 18.0 54.0
 77 31.0 24.6 36.8





#37

Ethyl Acetate

Concen: 17.445 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.01 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :

MSVOA_X

ClientSampleId :

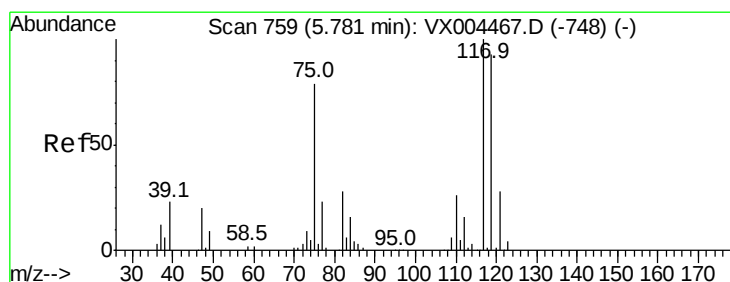
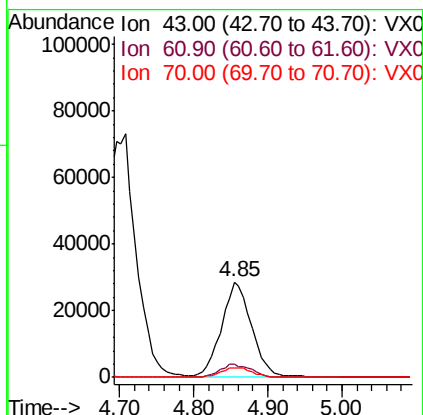
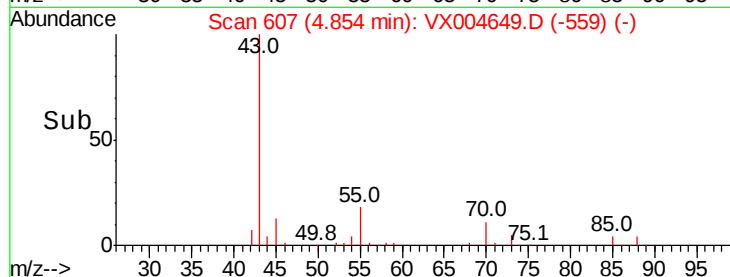
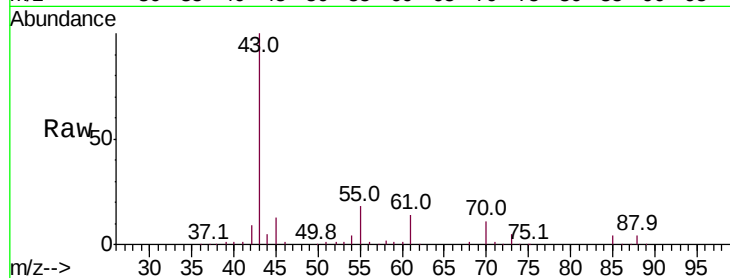
Tot Ion: 43 Resp: 80539

Ion Ratio Lower Upper

43 100

61 14.1 11.5 17.3

70 10.7 9.0 13.6



#38

Carbon Tetrachloride

Concen: 17.082 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

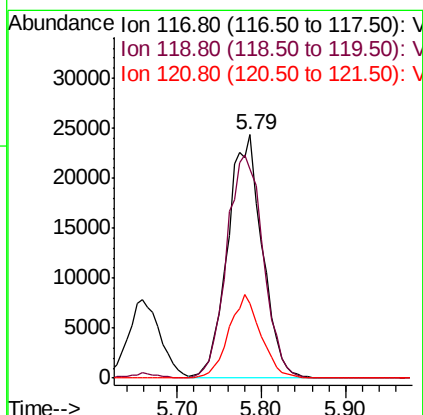
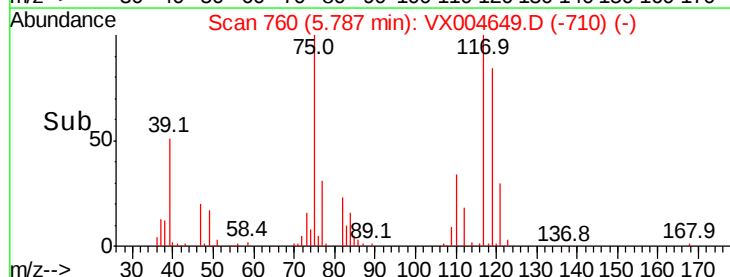
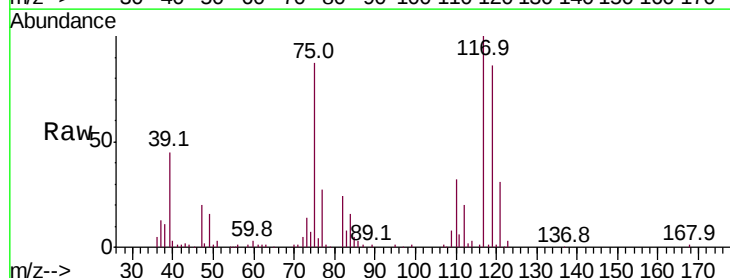
Tgt Ion: 117 Resp: 67728

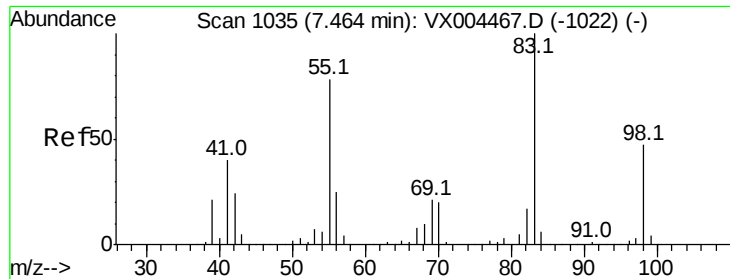
Ion Ratio Lower Upper

117 100

119 86.1 78.8 118.2

121 30.9 24.9 37.3

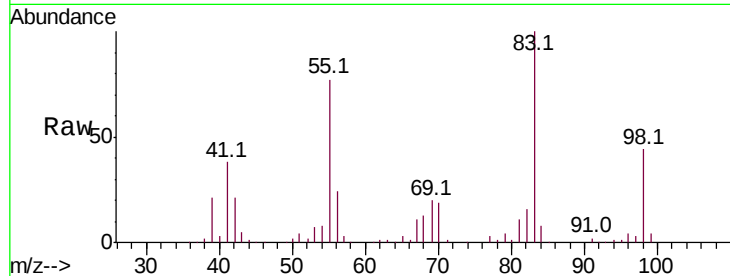




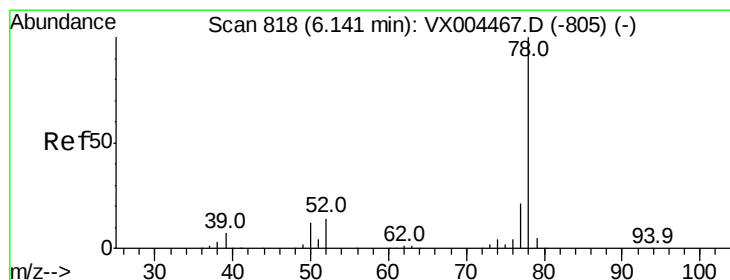
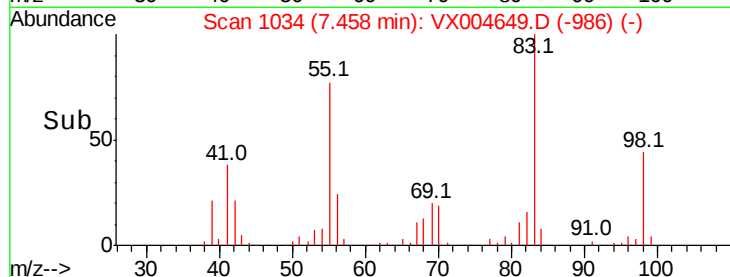
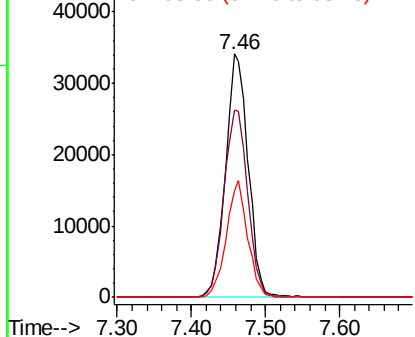
#39
Methvlcvclohexane
Concen: 17.166 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 83 Resp: 72715
Ion Ratio Lower Upper
83 100
55 76.9 61.0 91.4
98 43.6 39.6 59.4

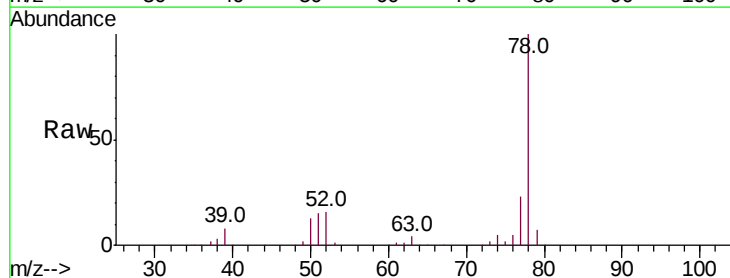


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

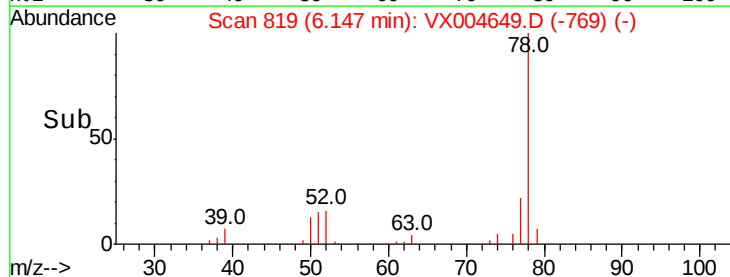
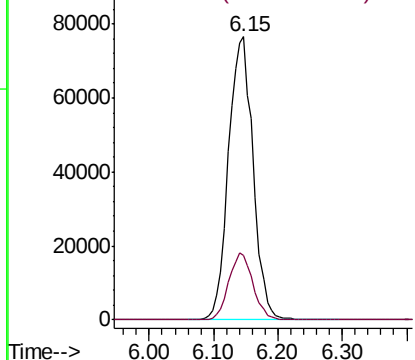


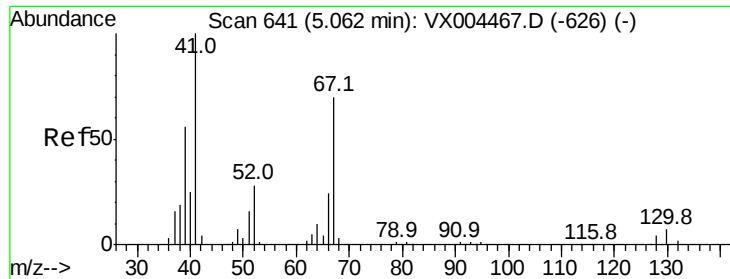
#40
Benzene
Concen: 17.023 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Tgt Ion: 78 Resp: 205024
Ion Ratio Lower Upper
78 100
77 23.0 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

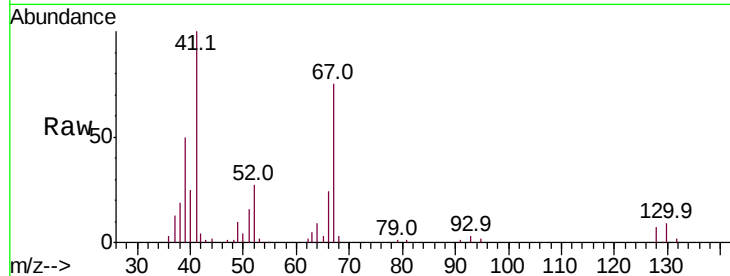




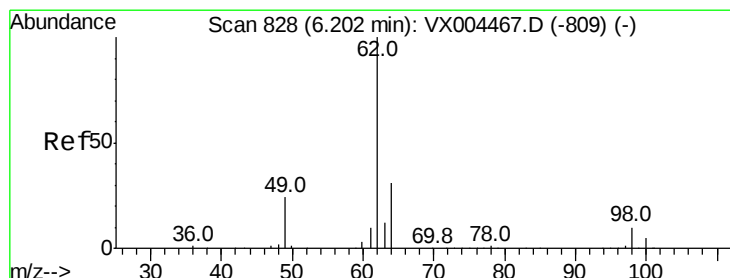
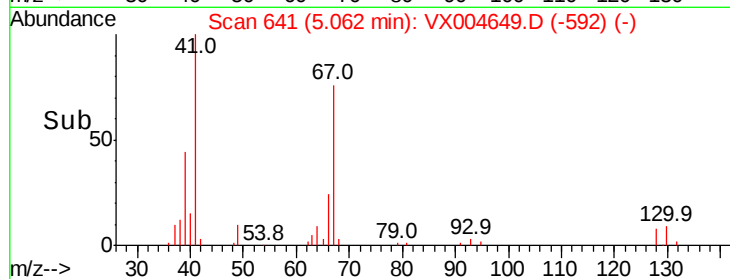
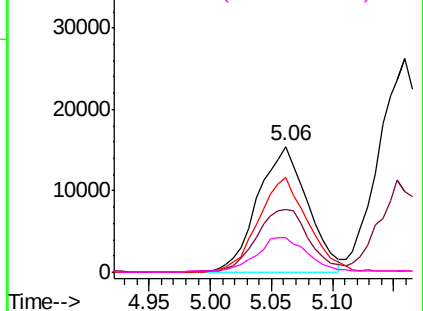
#41
Methacrylonitrile
Concen: 17.307 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	41	Resp:	44024
Ion	Ratio	Lower	Upper
41	100		
39	53.4	42.4	63.6
67	75.5	59.2	88.8
52	30.0	23.0	34.4

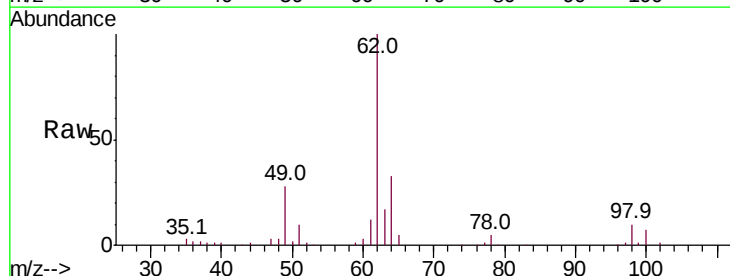


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

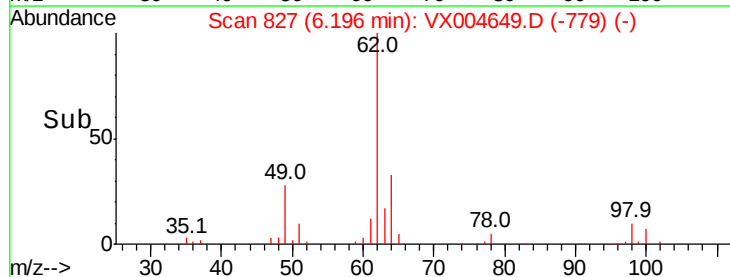
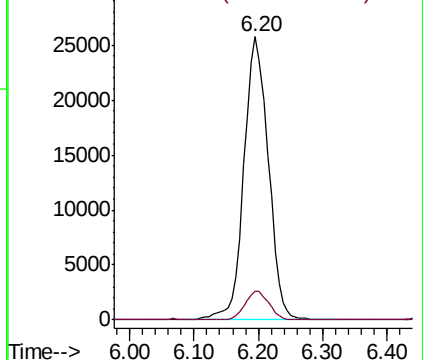


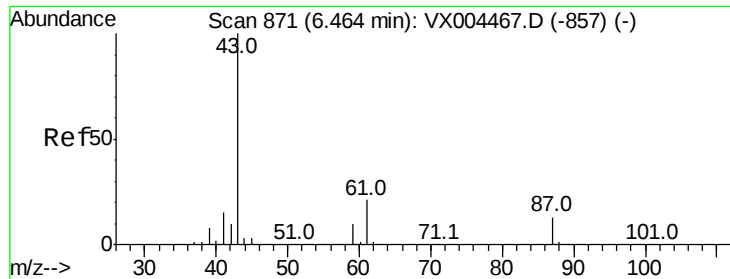
#42
1,2-Dichloroethane
Concen: 16.751 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.01 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Tgt Ion:	62	Resp:	66914
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



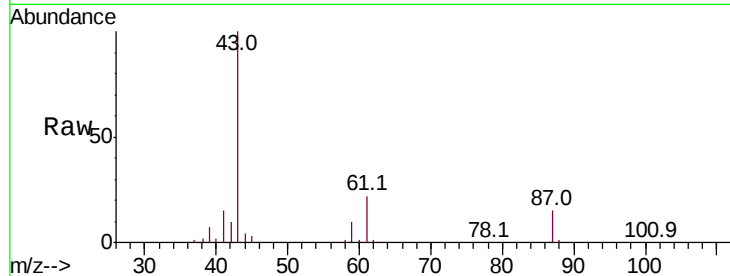


#43

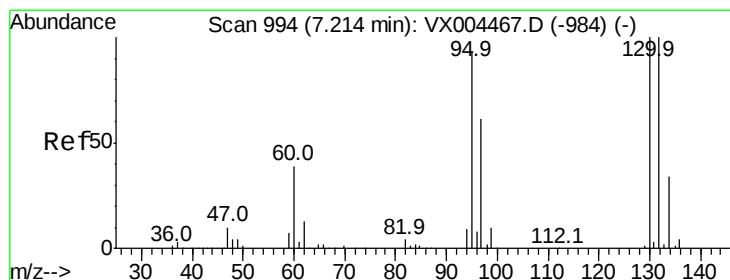
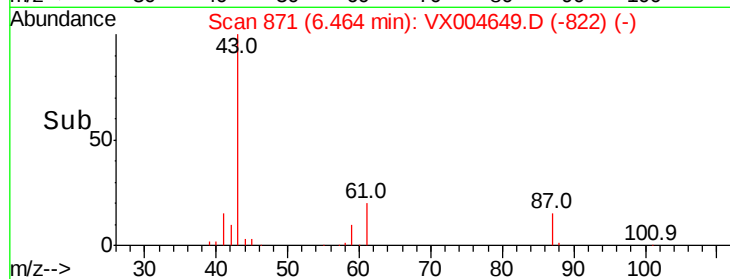
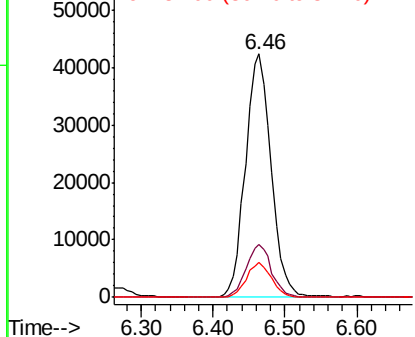
Isopropyl Acetate
 Concen: 17.058 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. -0.00 min
 Lab File: VX004649.D
 Acq: 18 Sep 2018 11:22

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 43 Resp: 104598
 Ion Ratio Lower Upper
 43 100
 61 21.5 17.0 25.4
 87 14.1 11.4 17.2



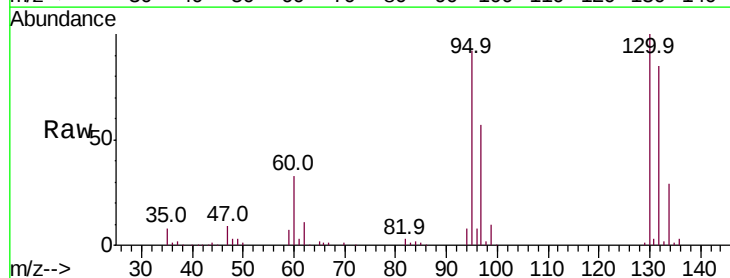
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



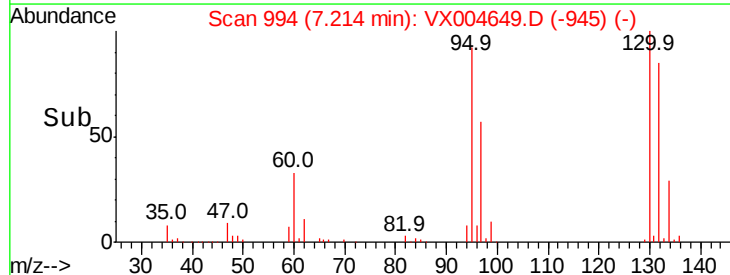
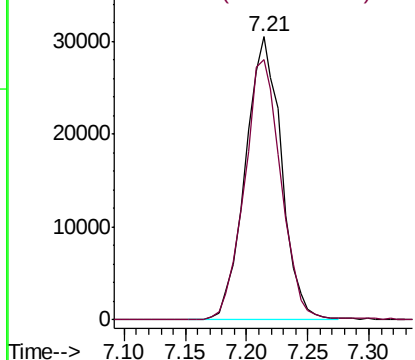
#44

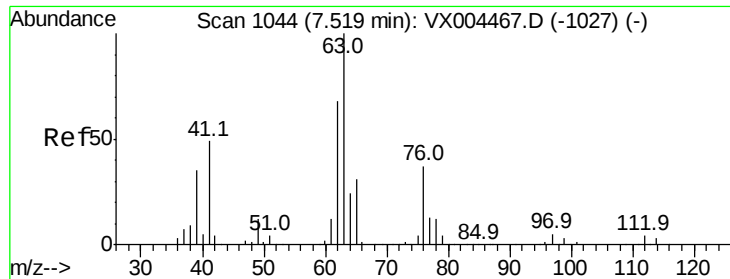
Trichloroethene
 Concen: 19.960 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX004649.D
 Acq: 18 Sep 2018 11:22

Tgt Ion:130 Resp: 62457
 Ion Ratio Lower Upper
 130 100
 95 91.9 0.0 181.6



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





#45

1,2-Dichloropropane

Concen: 18.541 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :

MSVOA_X

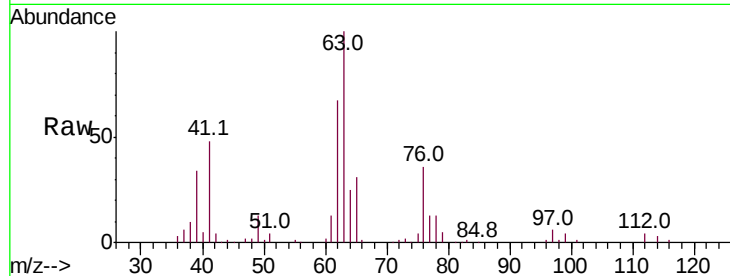
ClientSampleId :

Tot Ion: 63 Resp: 53735

Ion Ratio Lower Upper

63 100

65 31.2 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

25000

20000

15000

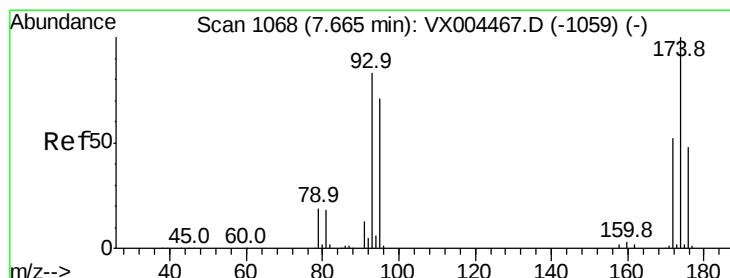
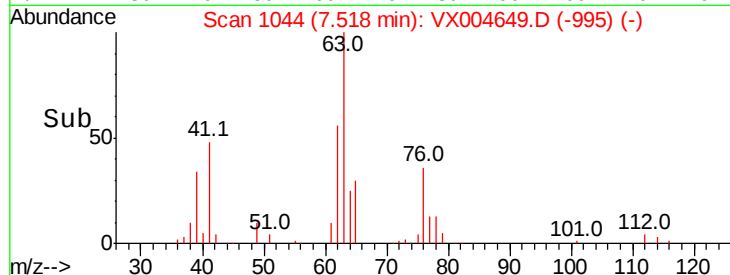
10000

5000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 18.084 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

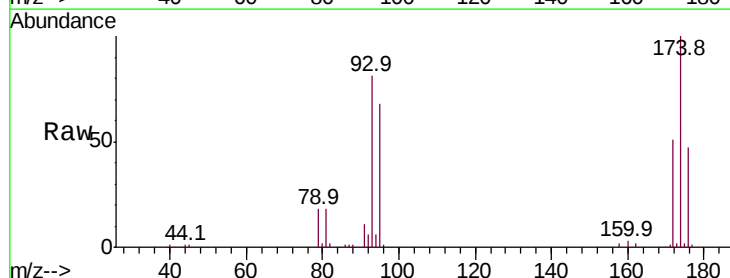
Tgt Ion: 93 Resp: 33109

Ion Ratio Lower Upper

93 100

95 83.7 65.5 98.3

174 119.4 94.2 141.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

25000

20000

15000

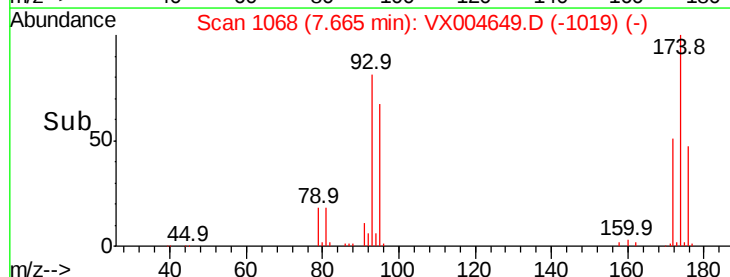
10000

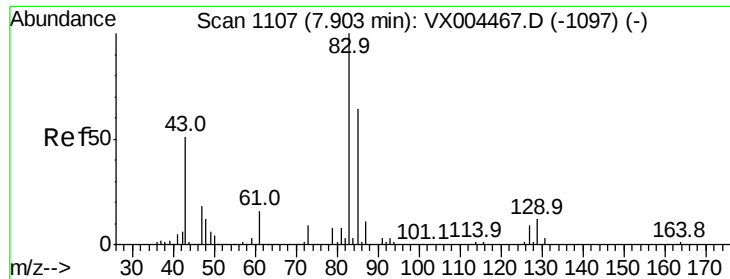
5000

0

7.55 7.60 7.65 7.70 7.75

Time-->





#47

Bromodichloromethane

Concen: 17.998 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :
MSVOA_X
ClientSampleId :

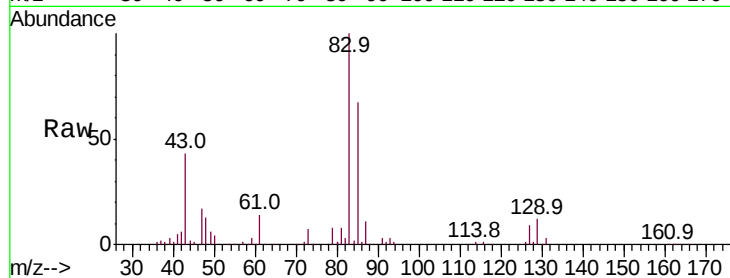
Tot Ion: 83 Resp: 62317

Ion Ratio Lower Upper

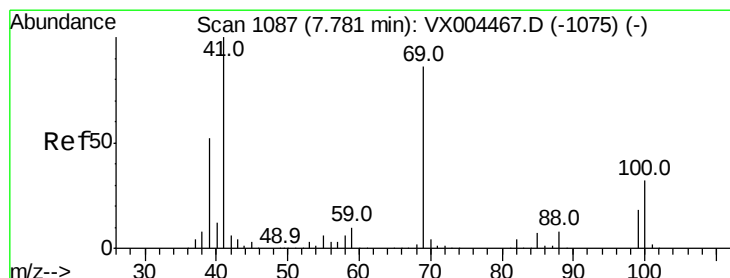
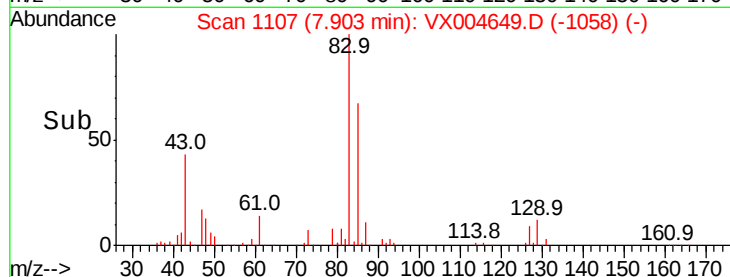
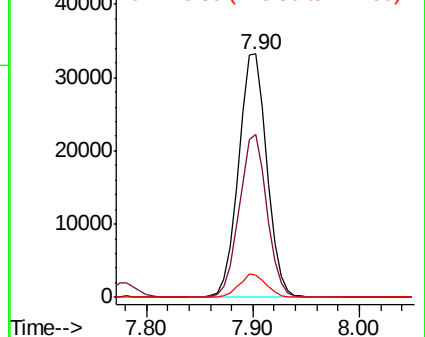
83 100

85 66.7 50.9 76.3

127 9.1 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 18.297 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

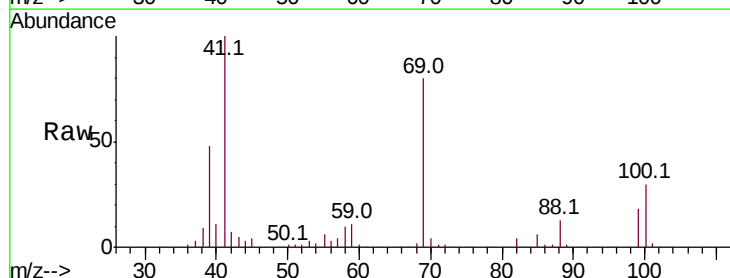
Tgt Ion: 41 Resp: 55527

Ion Ratio Lower Upper

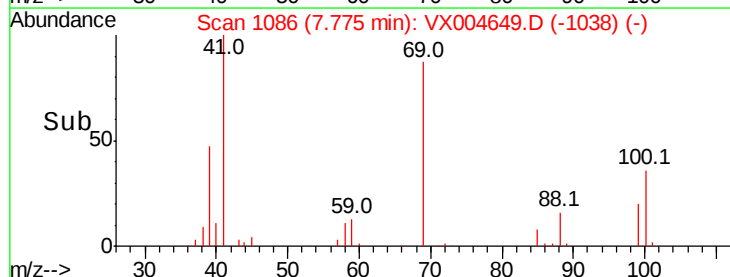
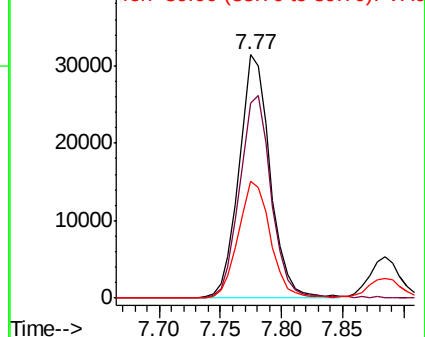
41 100

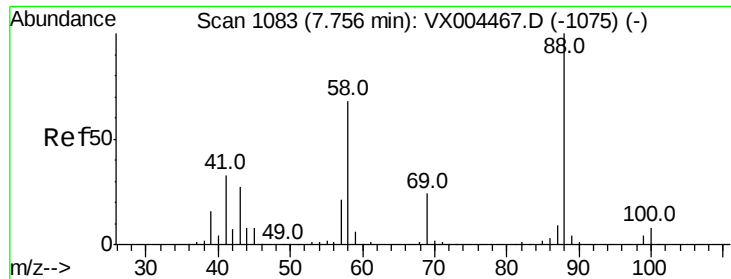
69 84.5 70.2 105.4

39 49.5 42.7 64.1



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





#49

1,4-Dioxane

Concen: 378.469 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :
MSVOA_X
ClientSampled :

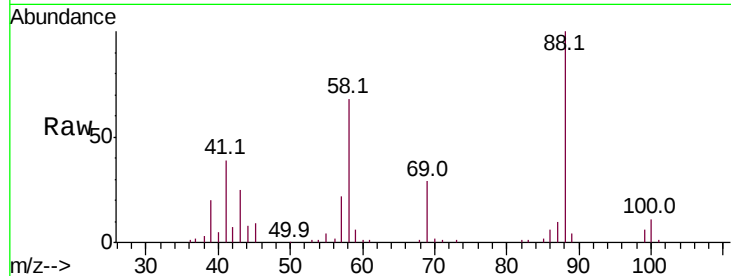
Tot Ion: 88 Resp: 27184

Ion Ratio Lower Upper

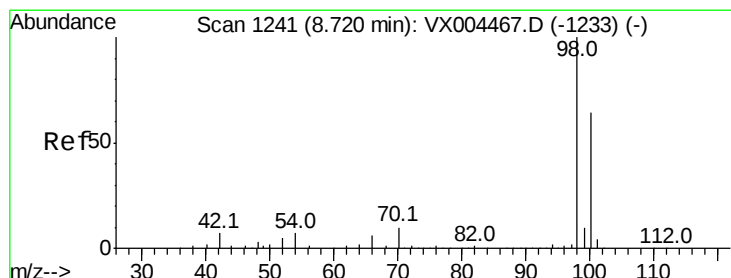
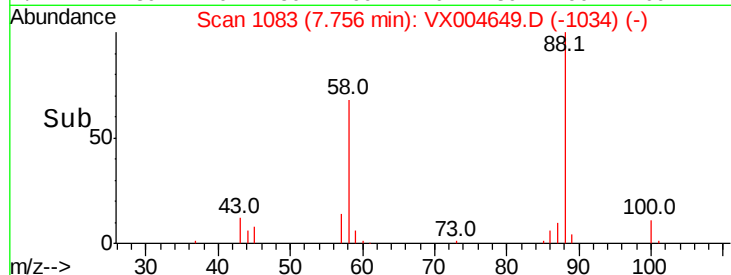
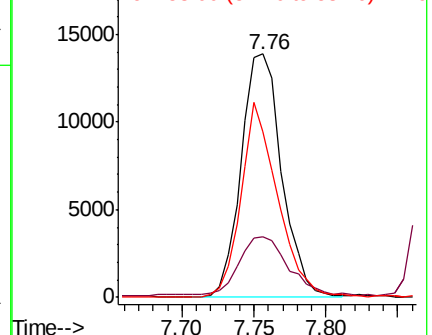
88 100

43 29.4 24.7 37.1

58 72.4 55.3 82.9



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



#50

Toluene-d8

Concen: 44.478 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VX004649.D

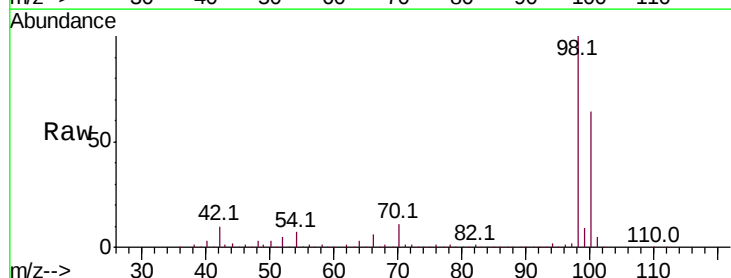
Acq: 18 Sep 2018 11:22

Tgt Ion: 98 Resp: 456379

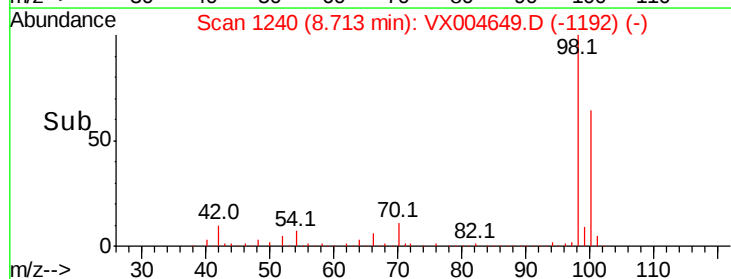
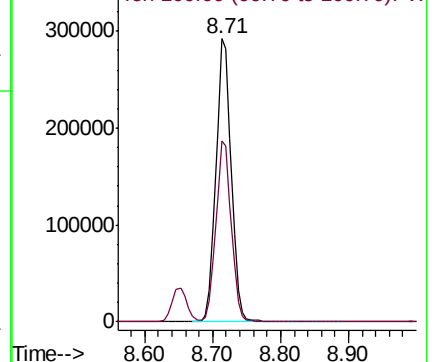
Ion Ratio Lower Upper

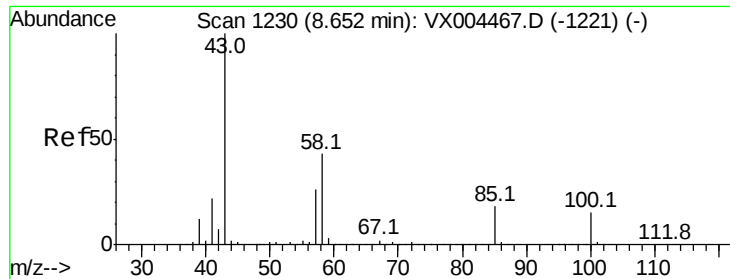
98 100

100 64.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

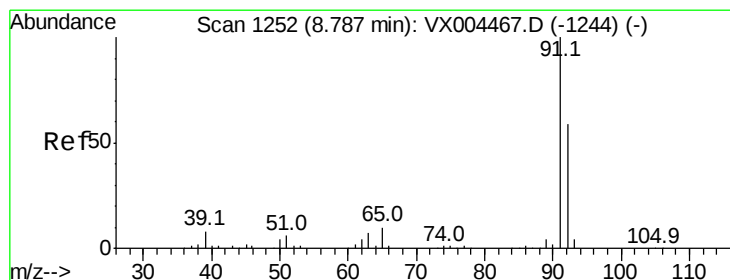
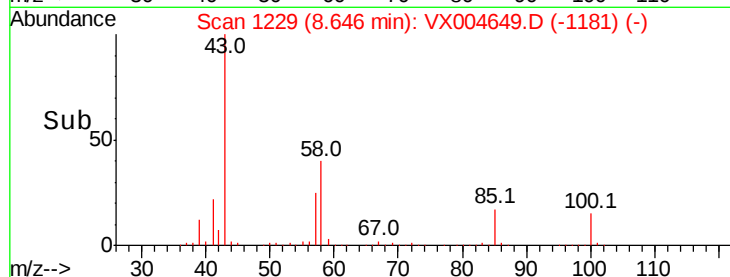
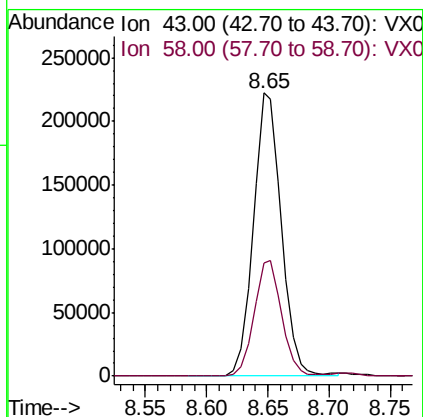
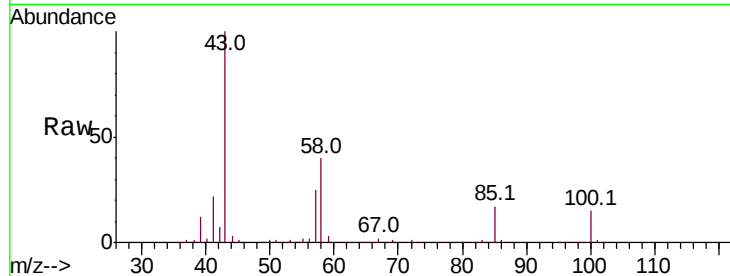




#51
4-Methyl-2-Pentanone
Concen: 81.737 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

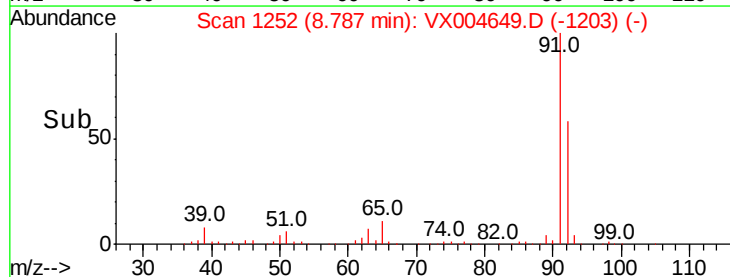
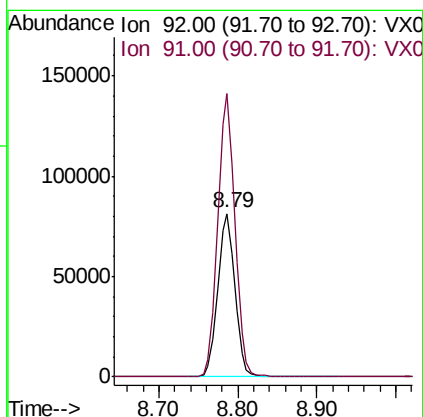
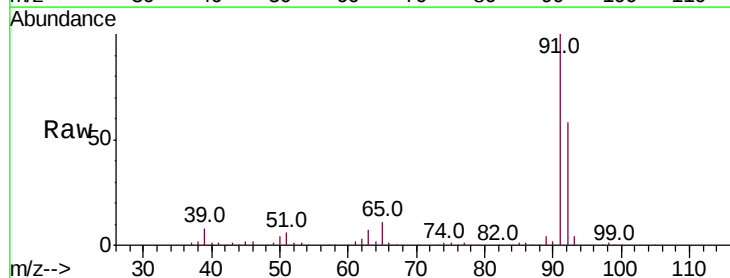
Instrument :
MSVOA_X
ClientSampled :

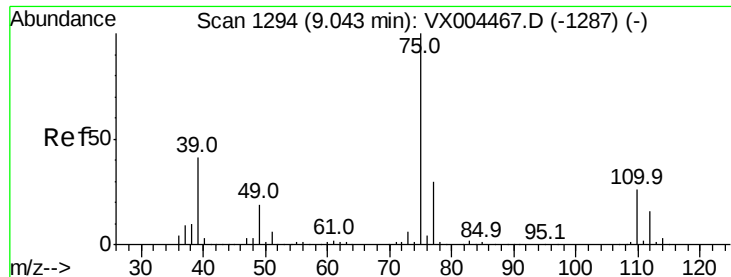
Tot Ion: 43 Resp: 353706
Ion Ratio Lower Upper
43 100
58 40.2 33.1 49.7



#52
Toluene
Concen: 17.439 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Tgt Ion: 92 Resp: 123751
Ion Ratio Lower Upper
92 100
91 173.8 136.4 204.6

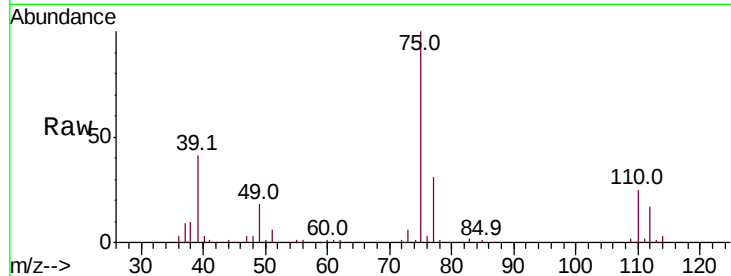




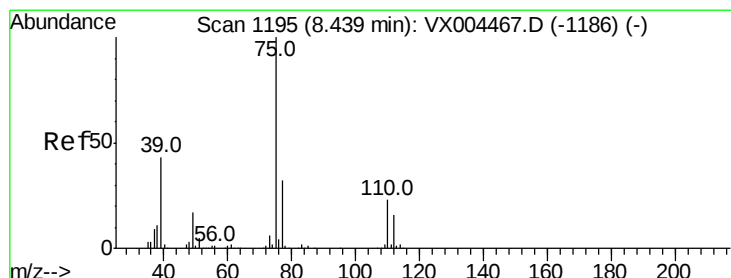
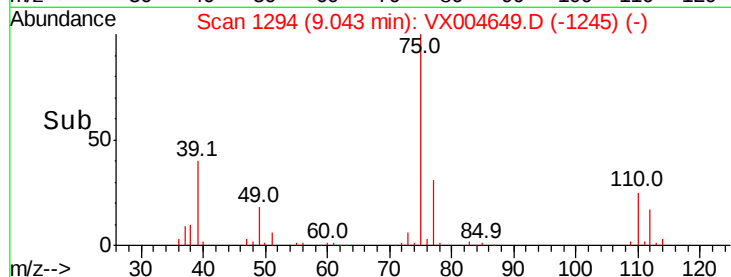
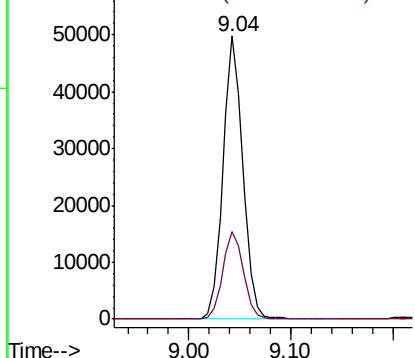
#53
t-1,3-Dichloropropene
Concen: 16.634 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 75 Resp: 67276
Ion Ratio Lower Upper
75 100
77 30.6 24.6 37.0

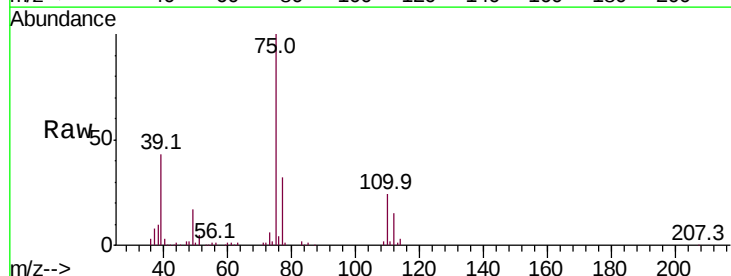


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 76.90 (76.60 to 77.60): VX0

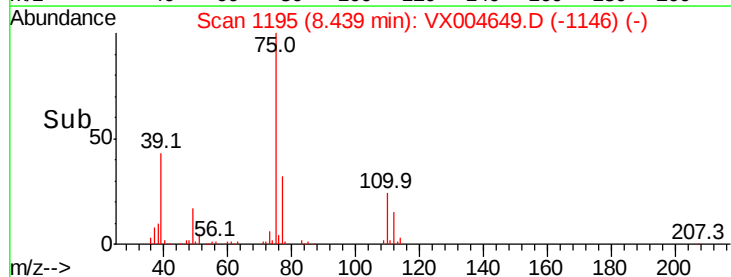
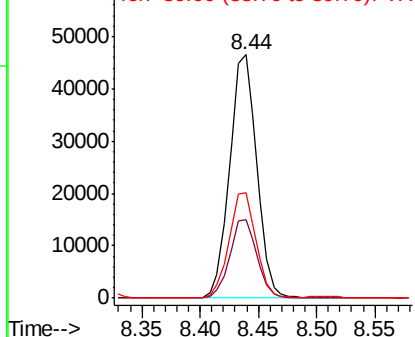


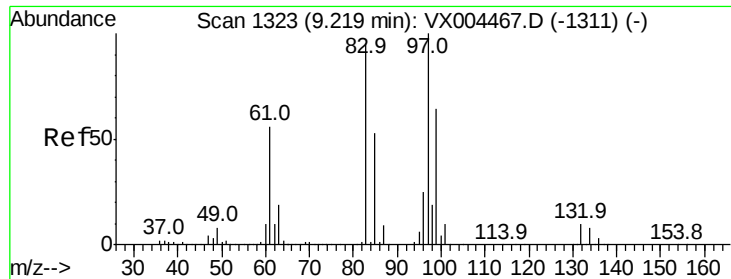
#54
cis-1,3-Dichloropropene
Concen: 18.292 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Tgt Ion: 75 Resp: 75420
Ion Ratio Lower Upper
75 100
77 32.2 26.2 39.2
39 43.3 36.4 54.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 76.90 (76.60 to 77.60): VX0
Ion 39.00 (38.70 to 39.70): VX0

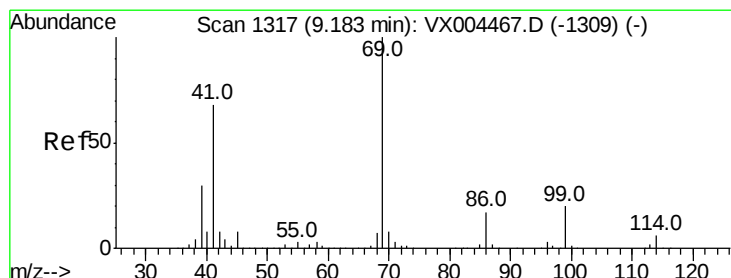
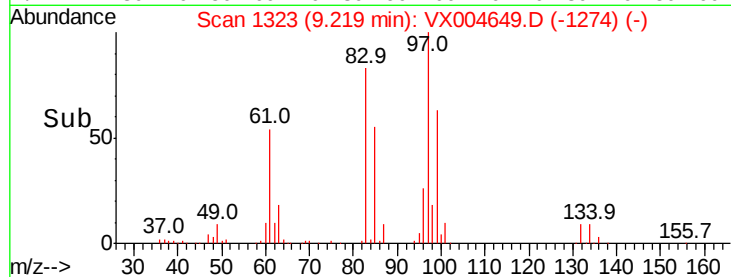
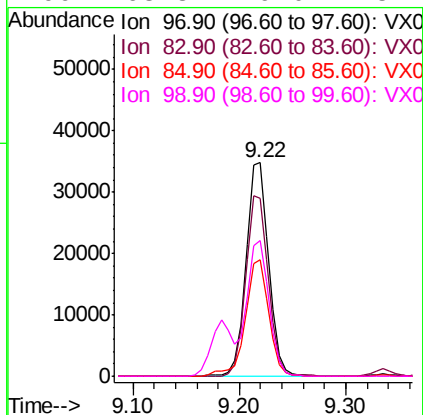
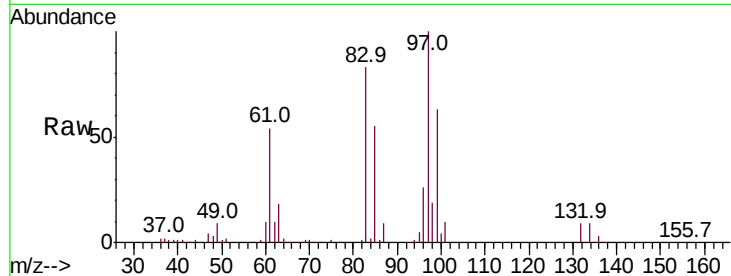




#55
 1,1,2-Trichloroethane
 Concen: 16.954 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX004649.D
 Acq: 18 Sep 2018 11:22

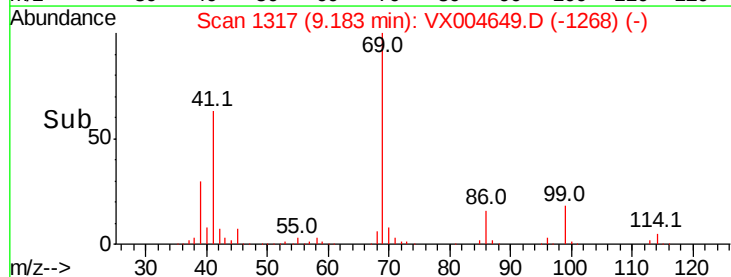
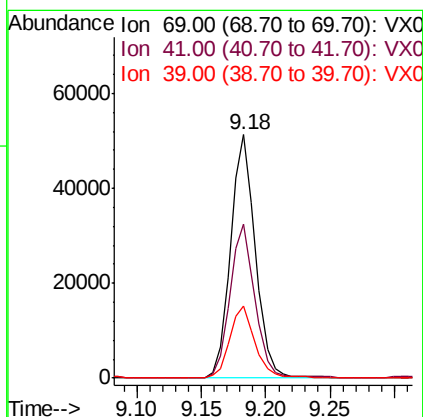
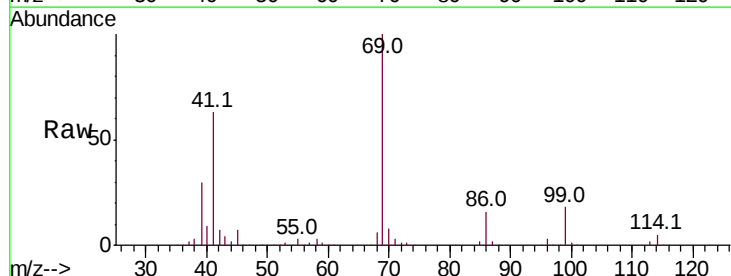
Instrument :
 MSVOA_X
 ClientSampleId :

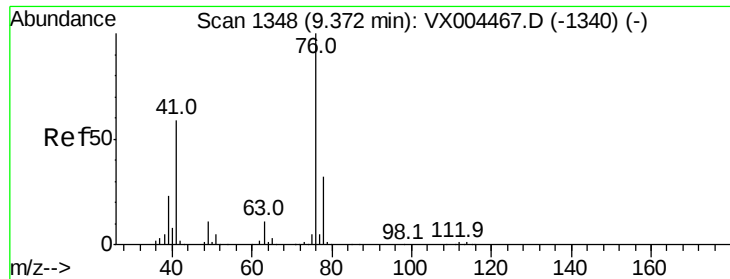
Tot Ion:	97	Resp:	51800
Ion	Ratio	Lower	Upper
97	100		
83	83.1	66.4	99.6
85	54.7	43.3	64.9
99	63.3	49.0	73.4



#56
 Ethyl methacrylate
 Concen: 15.997 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX004649.D
 Acq: 18 Sep 2018 11:22

Tgt Ion:	69	Resp:	69146
Ion	Ratio	Lower	Upper
69	100		
41	63.3	51.0	76.4
39	30.9	26.1	39.1





#57

1,3-Dichloropropane

Concen: 17.006 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :

MSVOA_X

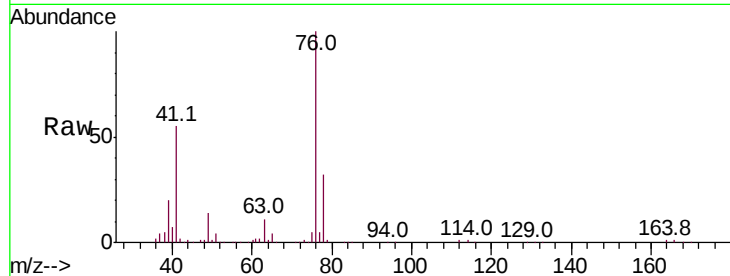
ClientSampleId :

Tot Ion: 76 Resp: 84426

Ion Ratio Lower Upper

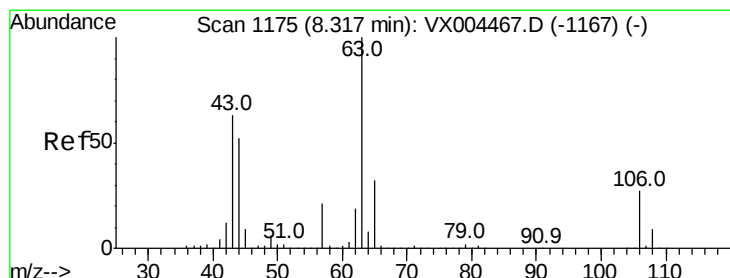
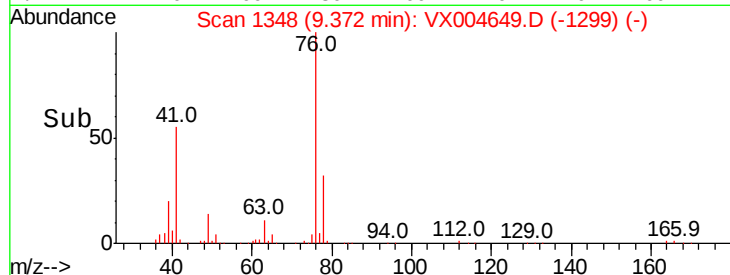
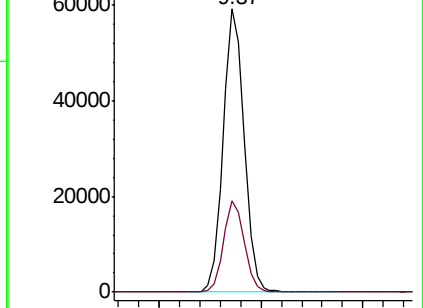
76 100

78 31.9 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 90.041 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VX004649.D

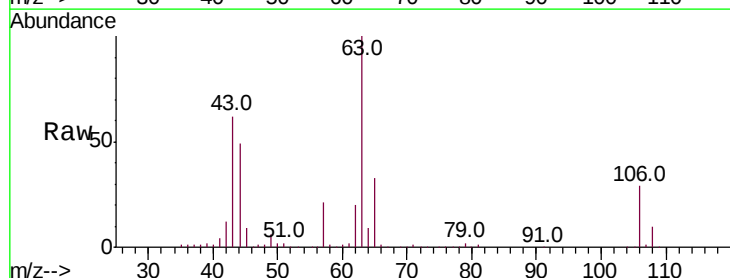
Acq: 18 Sep 2018 11:22

Tgt Ion: 63 Resp: 187740

Ion Ratio Lower Upper

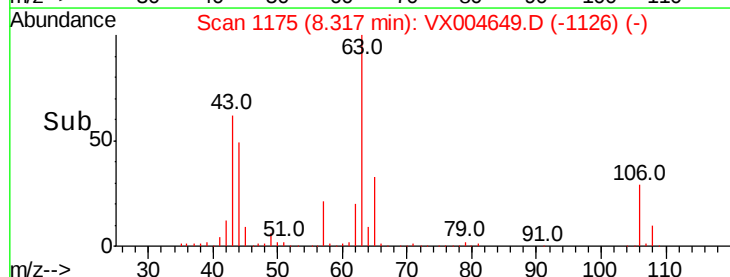
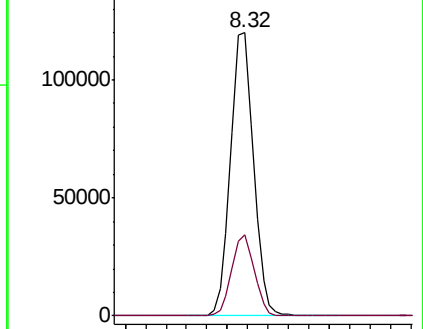
63 100

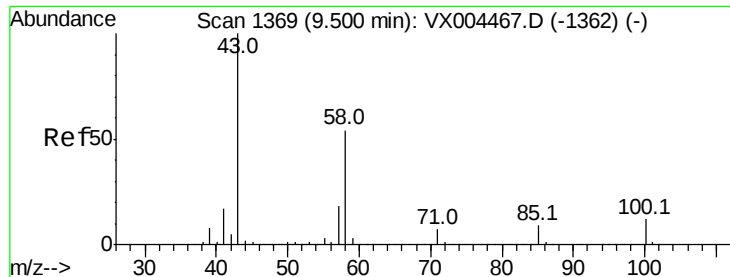
106 28.2 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

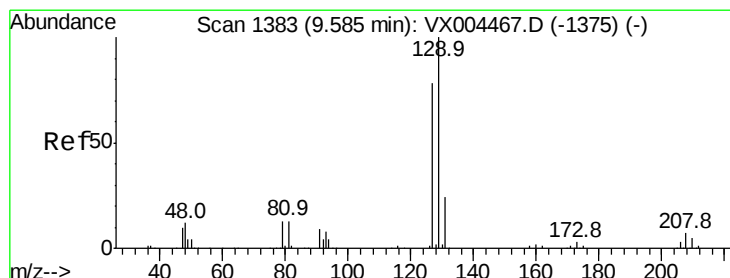
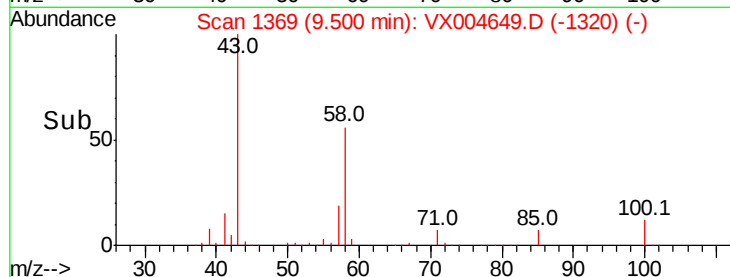
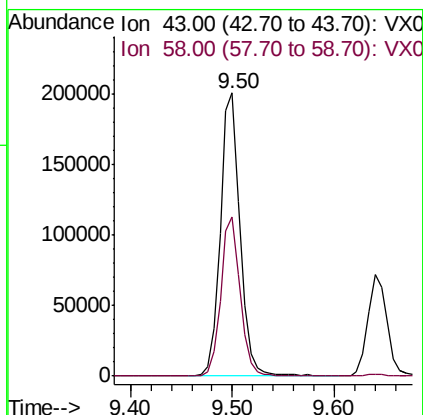
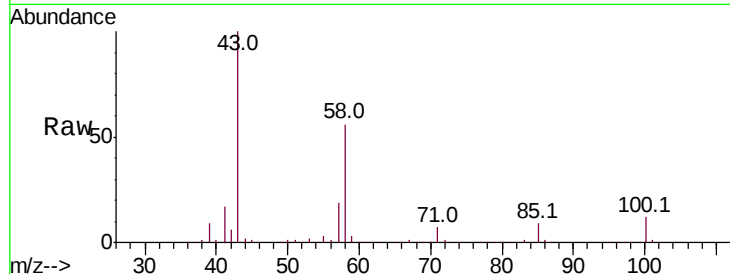




#59
2-Hexanone
Concen: 81.398 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

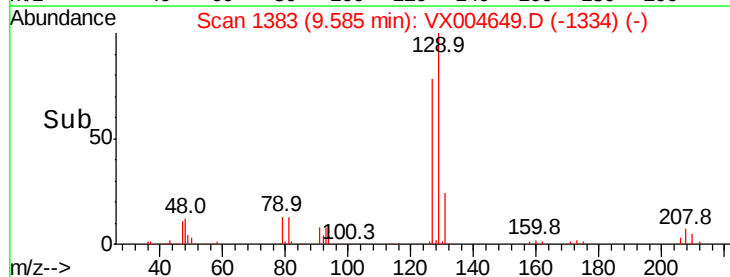
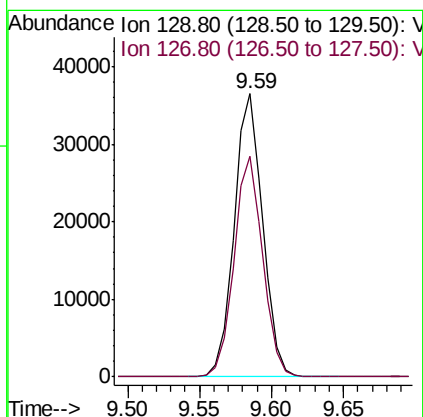
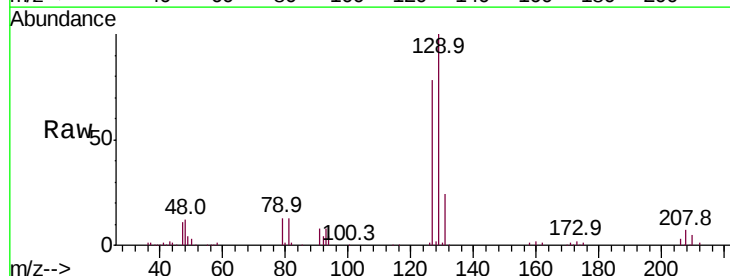
Instrument :
MSVOA_X
ClientSampled :

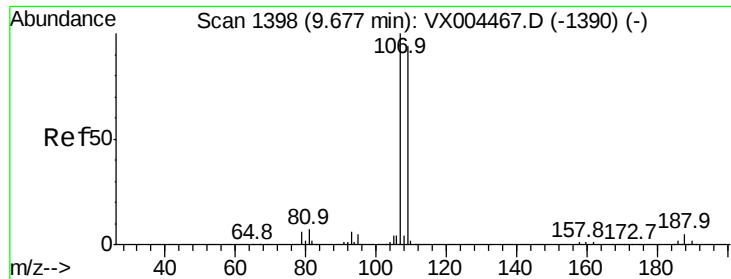
Tot Ion: 43 Resp: 270180
Ion Ratio Lower Upper
43 100
58 55.5 29.0 87.0



#60
Dibromochloromethane
Concen: 17.510 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Tgt Ion: 129 Resp: 50366
Ion Ratio Lower Upper
129 100
127 78.3 38.5 115.5





#61

1,2-Dibromoethane

Concen: 18.085 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :

MSVOA_X

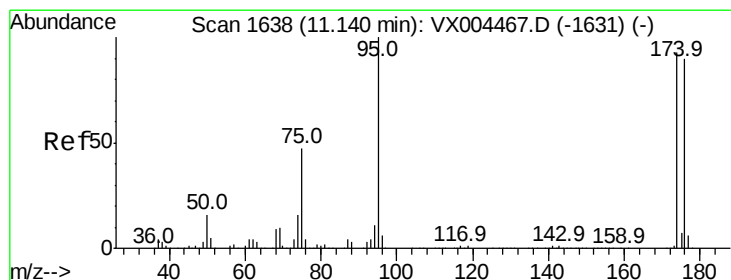
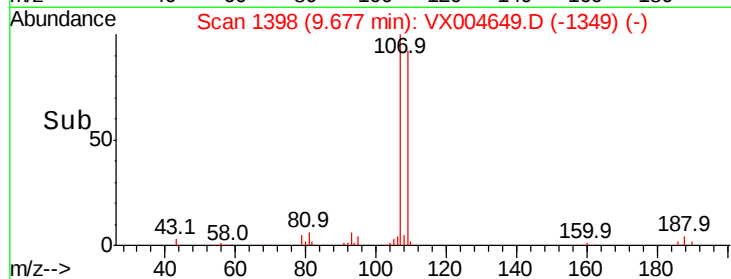
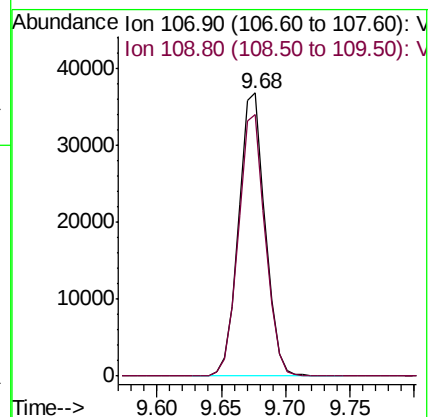
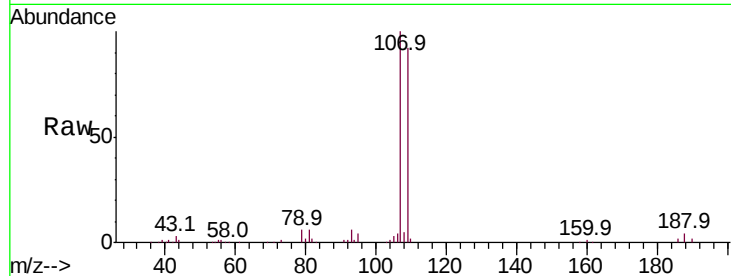
ClientSampleId :

Tot Ion:107 Resp: 52786

Ion Ratio Lower Upper

107 100

109 93.3 76.0 114.0



#62

4-Bromofluorobenzene

Concen: 44.517 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

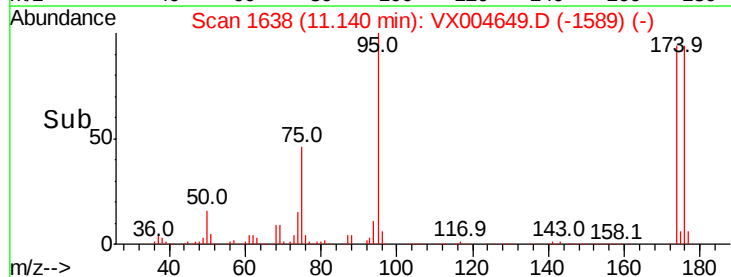
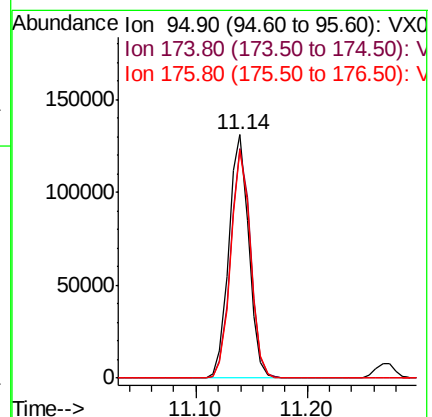
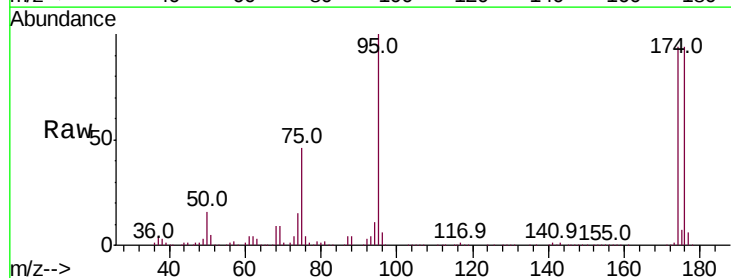
Tgt Ion: 95 Resp: 163051

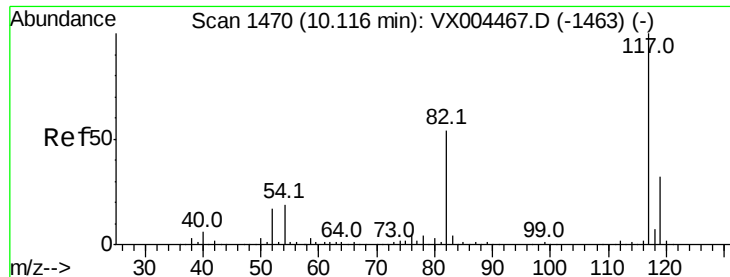
Ion Ratio Lower Upper

95 100

174 94.1 0.0 185.2

176 91.9 0.0 178.6

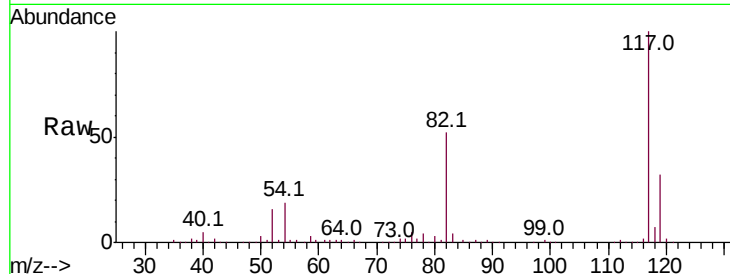




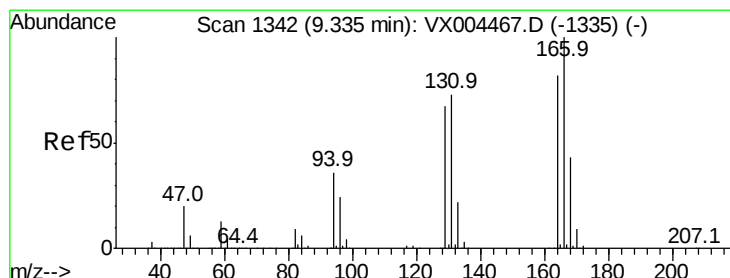
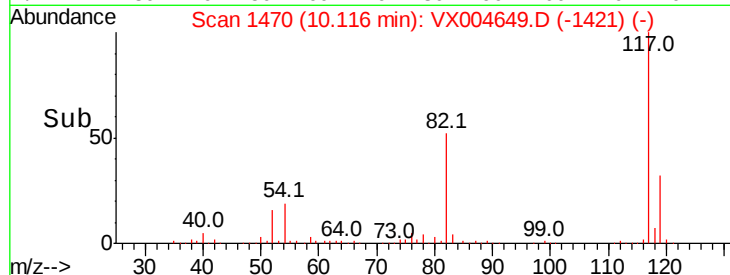
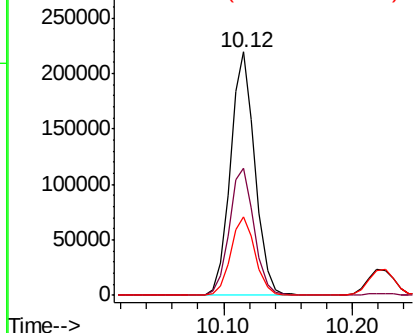
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 290034
Ion Ratio Lower Upper
117 100
82 52.1 47.8 71.6
119 32.1 29.3 43.9

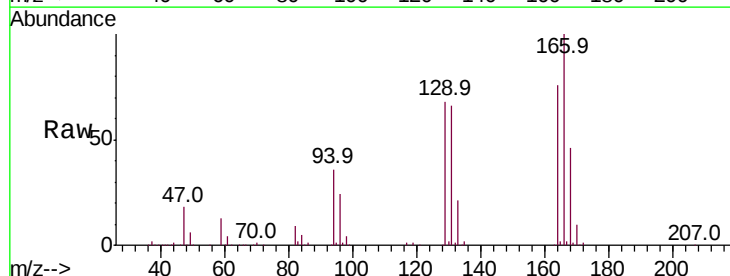


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

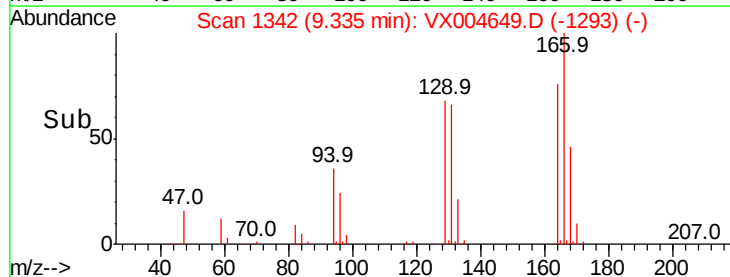
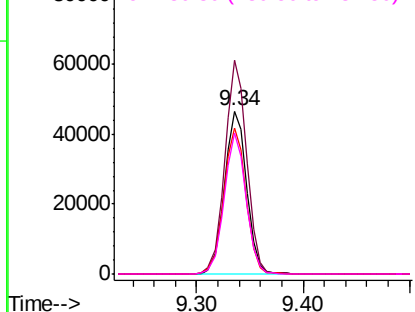


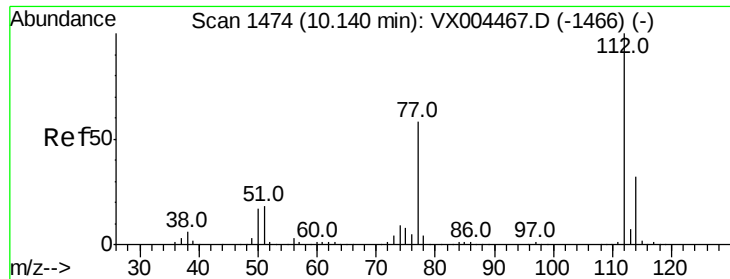
#64
Tetrachloroethene
Concen: 18.785 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Tgt Ion:164 Resp: 68022
Ion Ratio Lower Upper
164 100
166 131.0 102.8 154.2
129 89.5 69.4 104.0
131 86.1 67.9 101.9



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.469 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :

MSVOA_X

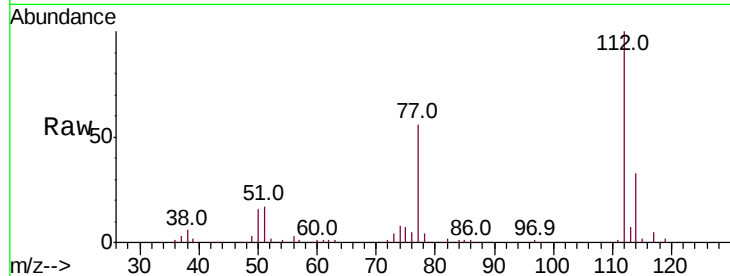
ClientSampled :

Tot Ion:112 Resp: 140257

Ion Ratio Lower Upper

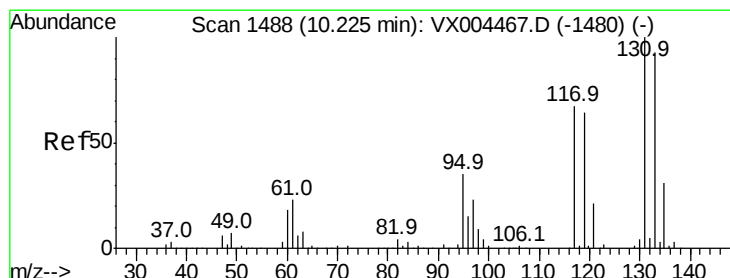
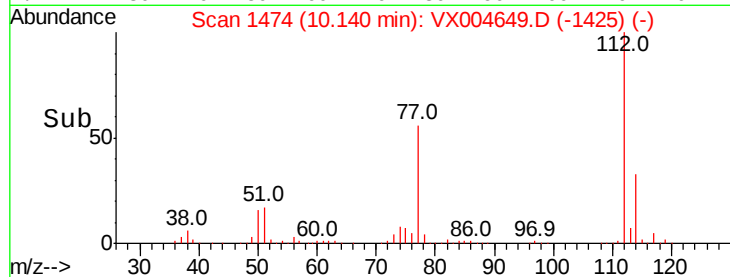
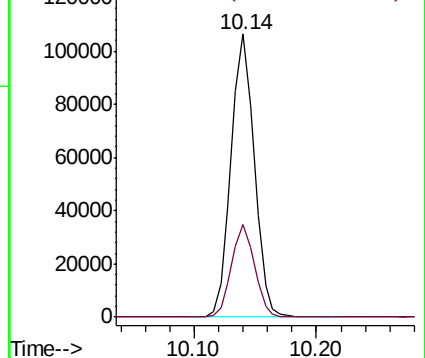
112 100

114 32.6 27.8 41.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.130 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.01 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

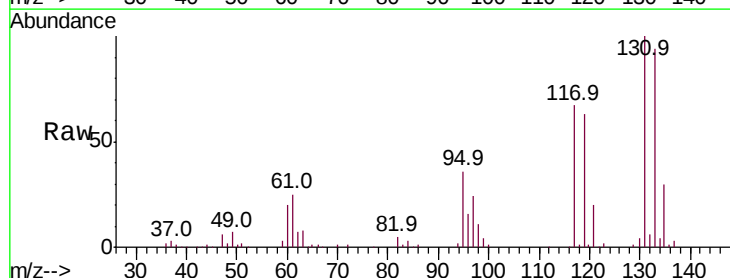
Tgt Ion:131 Resp: 50010

Ion Ratio Lower Upper

131 100

133 94.8 48.1 144.4

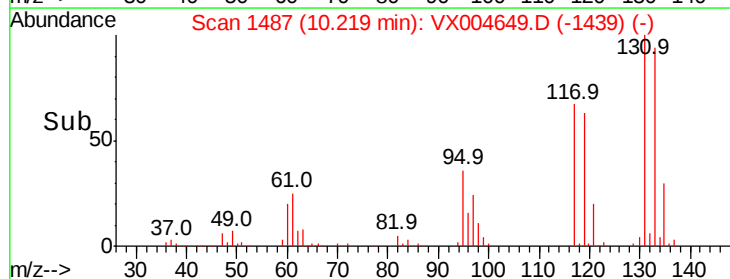
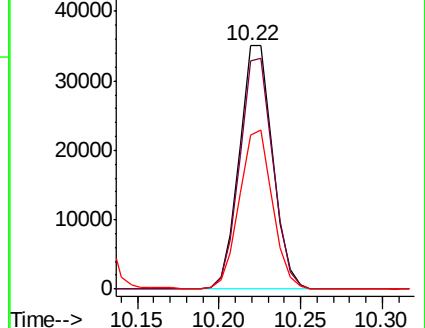
119 65.3 32.9 98.6

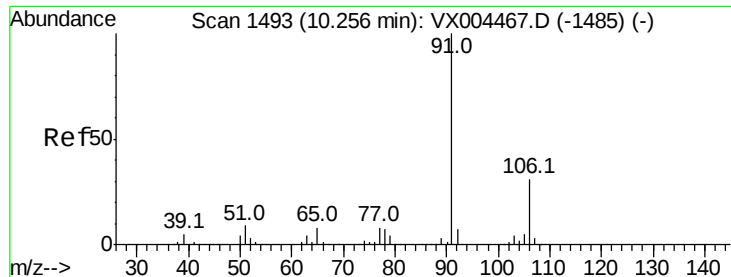


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.288 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :

MSVOA_X

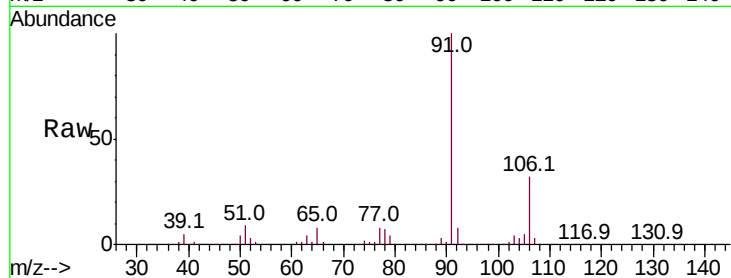
ClientSampleId :

Tot Ion: 91 Resp: 225952

Ion Ratio Lower Upper

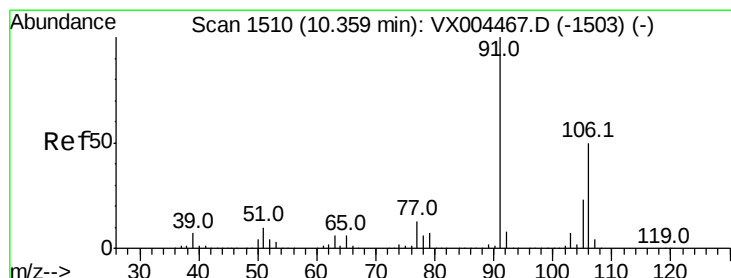
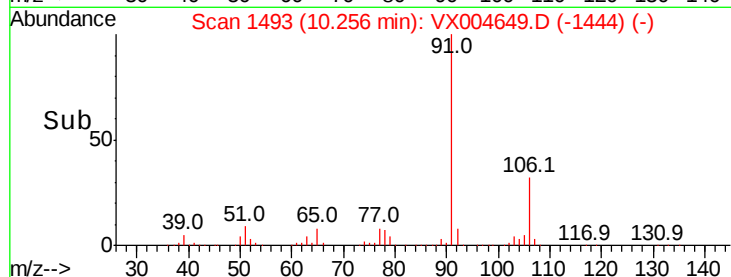
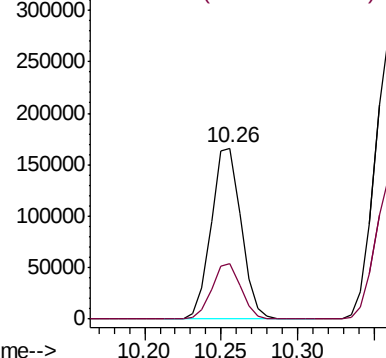
91 100

106 32.1 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 39.826 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX004649.D

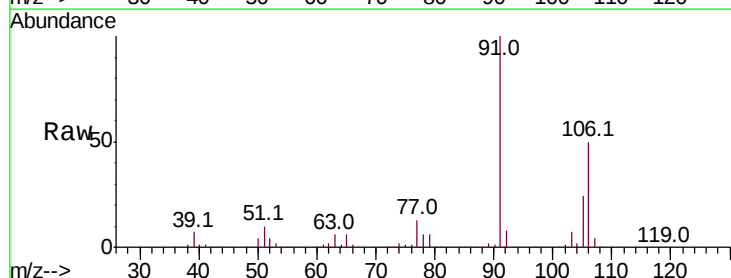
Acq: 18 Sep 2018 11:22

Tgt Ion: 106 Resp: 179708

Ion Ratio Lower Upper

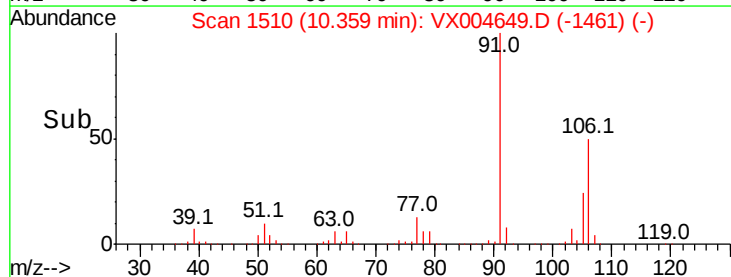
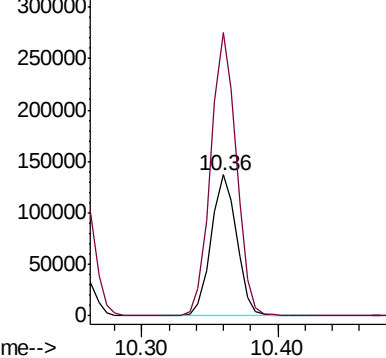
106 100

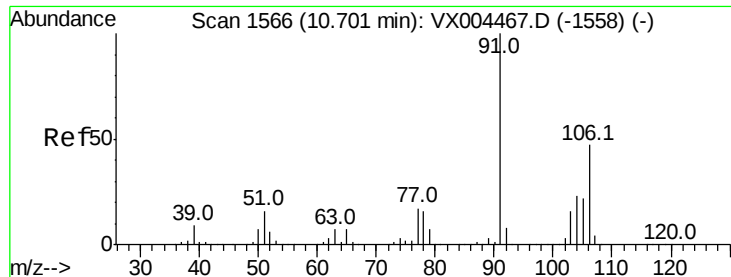
91 201.7 157.1 235.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

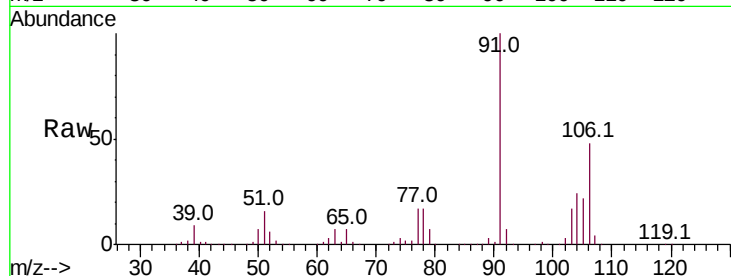




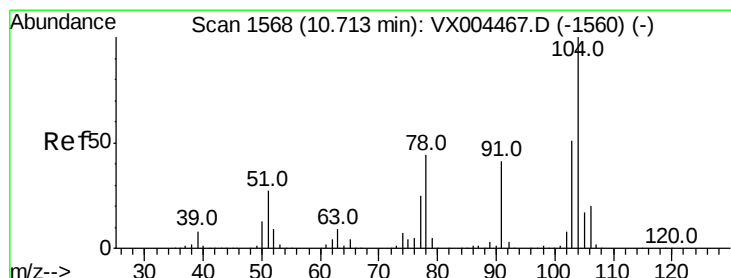
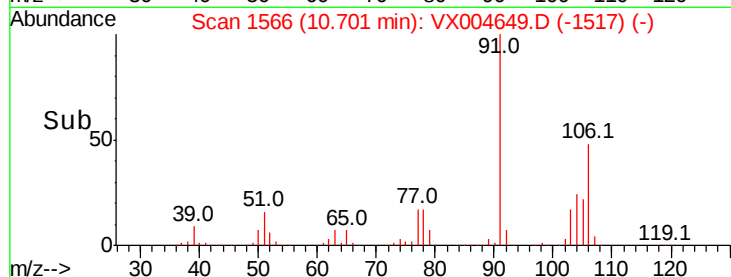
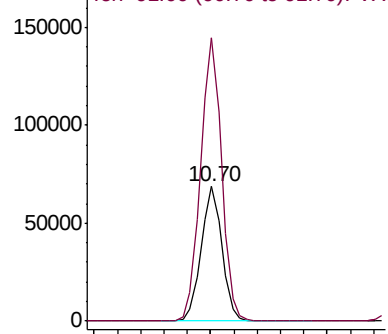
#69
o-Xylene
Concen: 19.708 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:106 Resp: 85496
Ion Ratio Lower Upper
106 100
91 212.8 105.1 315.1

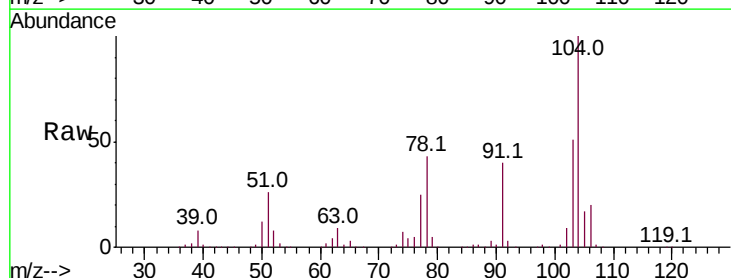


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

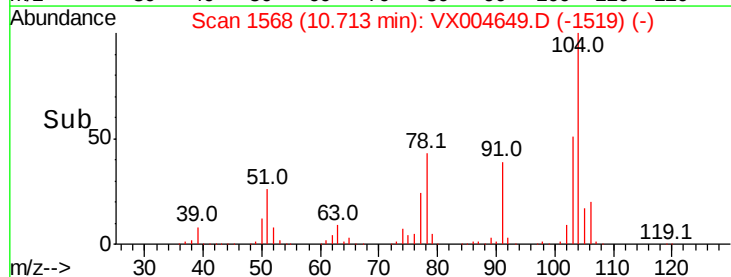
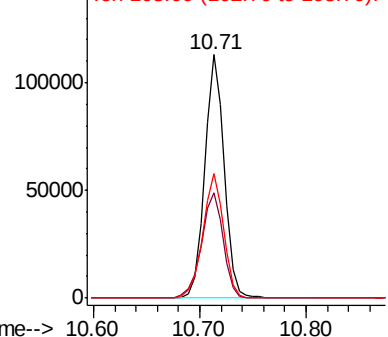


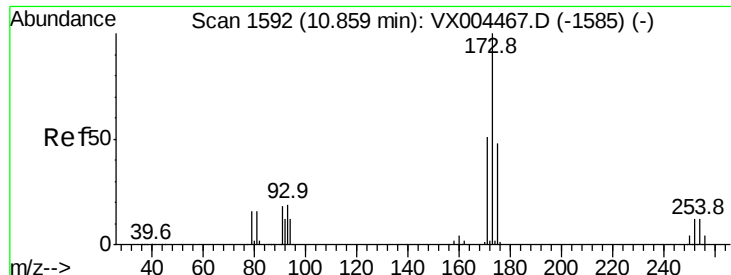
#70
Styrene
Concen: 20.103 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Tgt Ion:104 Resp: 144482
Ion Ratio Lower Upper
104 100
78 48.4 37.4 56.0
103 55.2 43.8 65.6



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

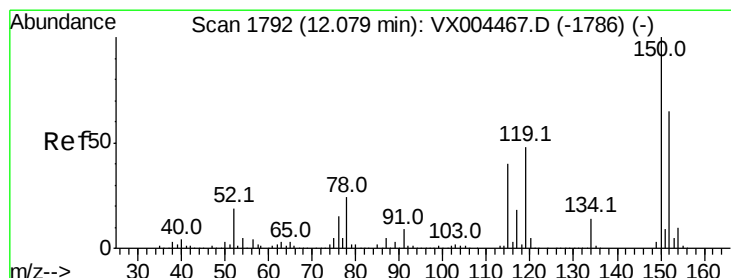
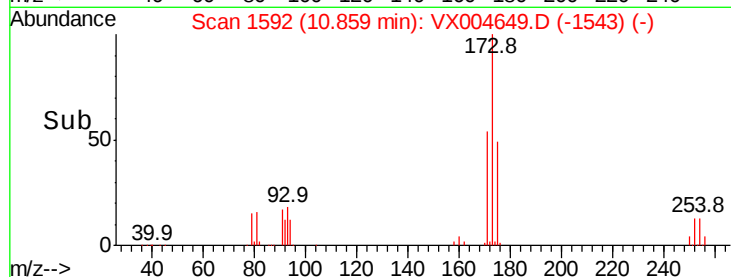
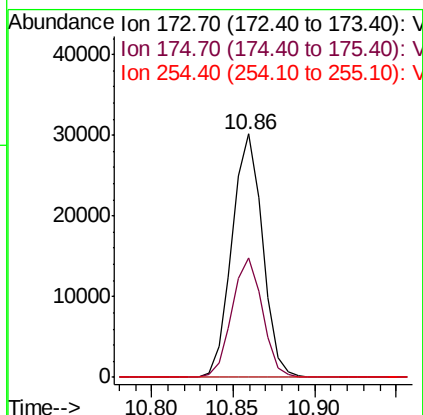
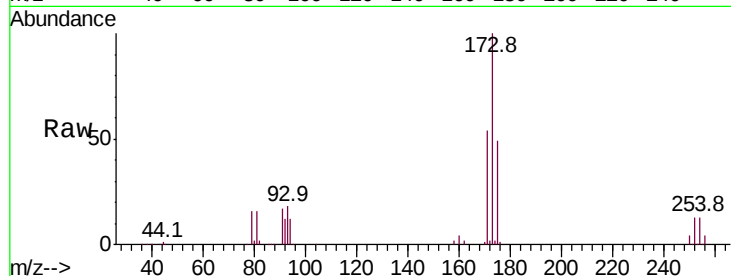




#71
Bromoform
Concen: 19.290 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

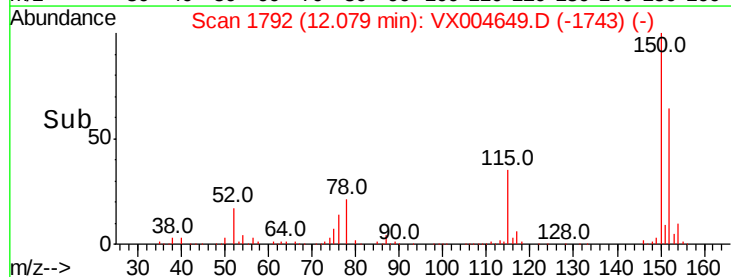
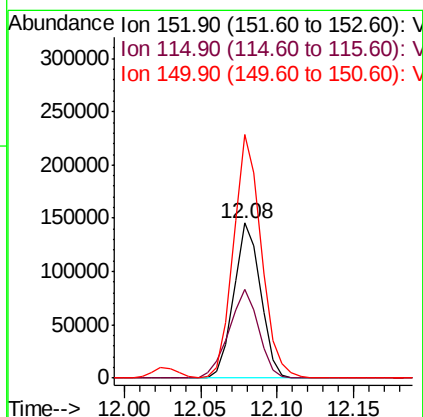
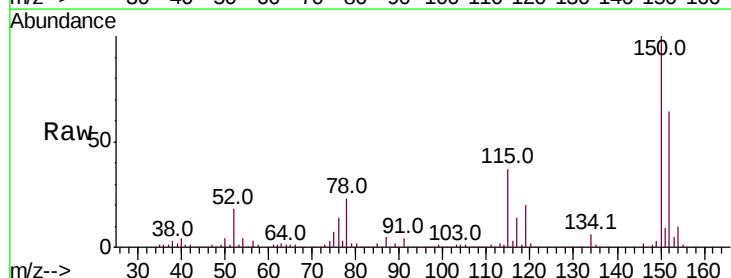
Instrument :
MSVOA_X
ClientSampleId :

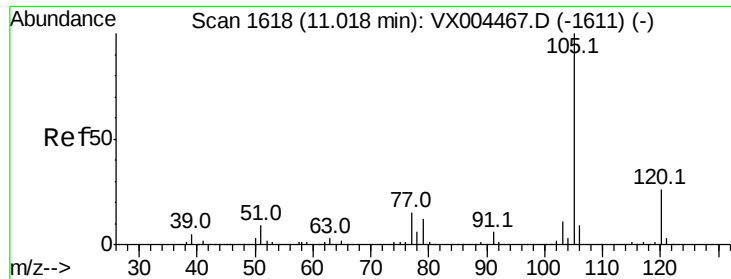
Tot Ion:173 Resp: 39350
Ion Ratio Lower Upper
173 100
175 49.0 24.1 72.3
254 0.1 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Tgt Ion:152 Resp: 176360
Ion Ratio Lower Upper
152 100
115 63.5 39.0 117.0
150 163.5 0.0 351.0

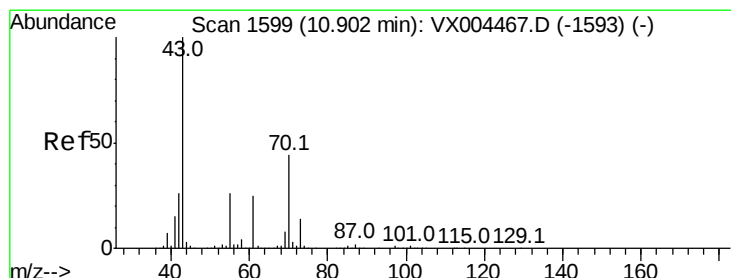
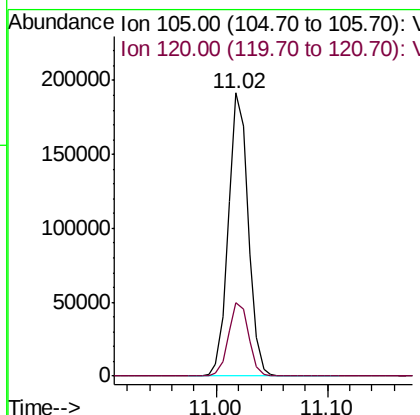
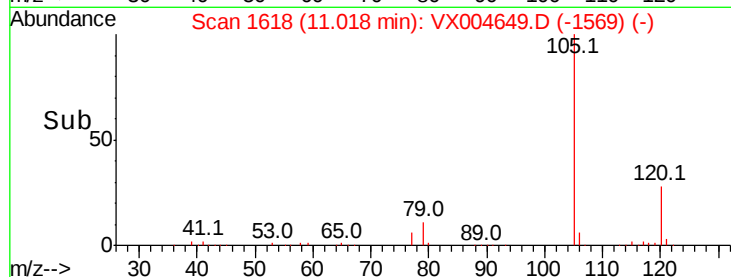
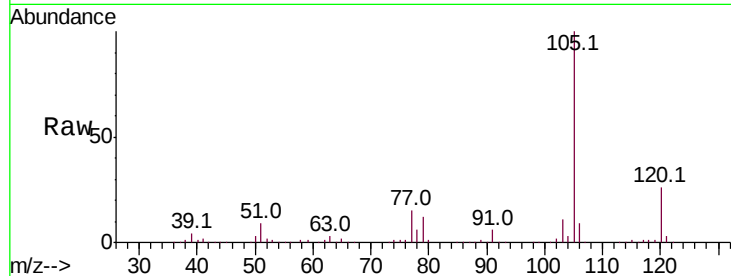




#73
Isopropylbenzene
Concen: 20.291 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

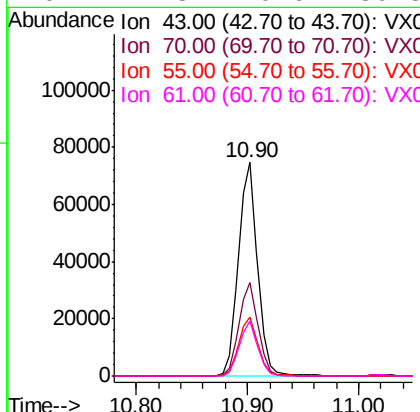
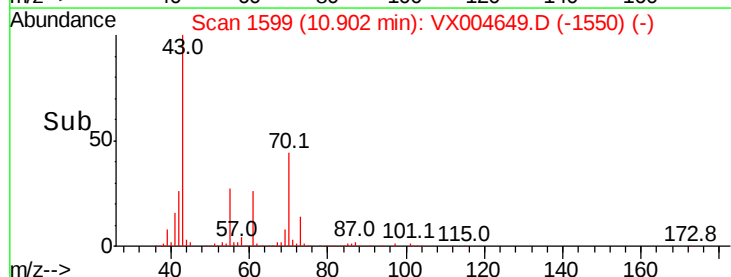
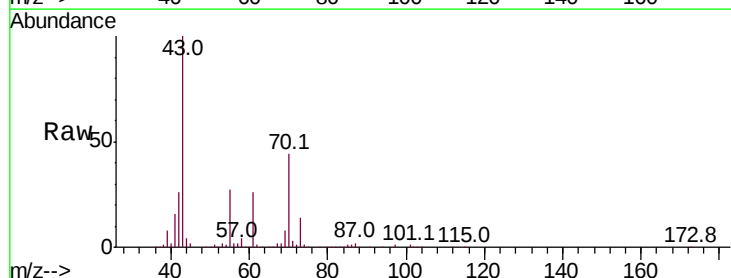
Instrument :
MSVOA_X
ClientSampleId :

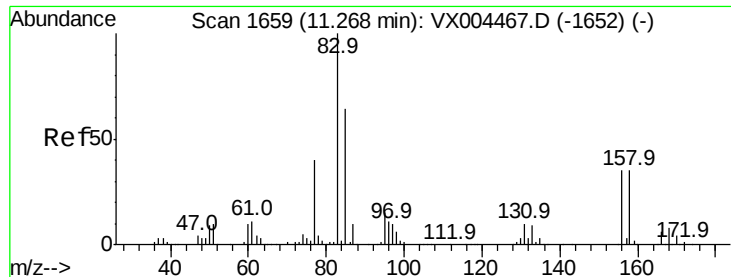
Tot Ion:105 Resp: 235676
Ion Ratio Lower Upper
105 100
120 26.5 13.5 40.4



#74
N-ethyl acetate
Concen: 18.244 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Tgt Ion: 43 Resp: 89189
Ion Ratio Lower Upper
43 100
70 43.8 37.4 56.0
55 28.1 21.8 32.8
61 24.8 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 18.746 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :

MSVOA_X

ClientSampleId :

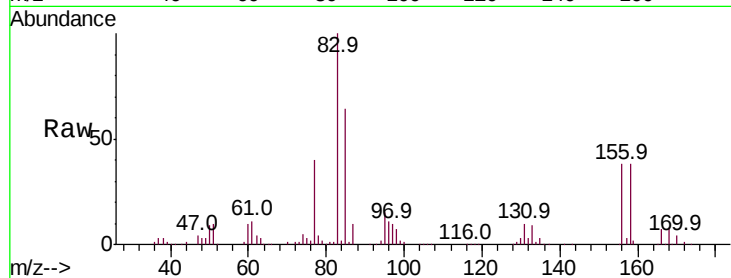
Tot Ion: 83 Resp: 70230

Ion Ratio Lower Upper

83 100

131 10.4 5.2 15.6

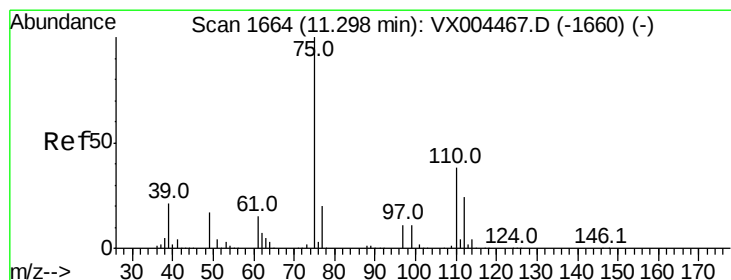
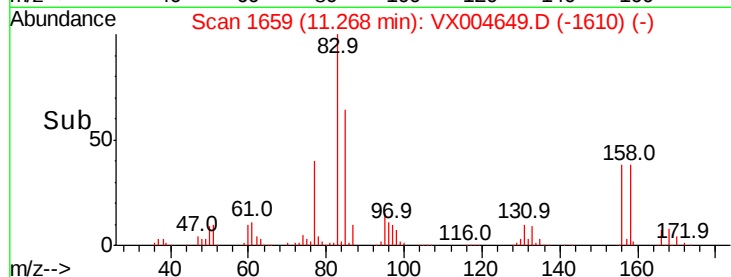
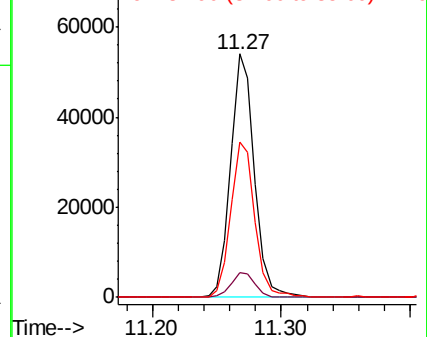
85 64.9 32.3 96.8



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: 24.415 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX004649.D

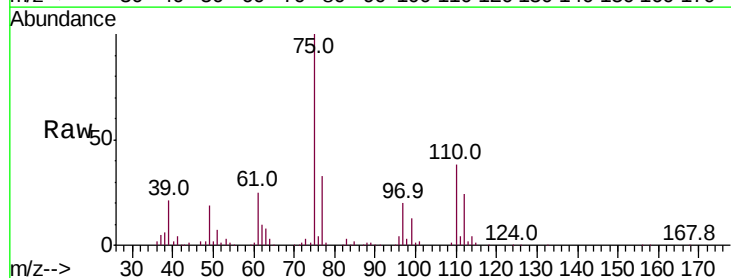
Acq: 18 Sep 2018 11:22

Tgt Ion: 75 Resp: 86630

Ion Ratio Lower Upper

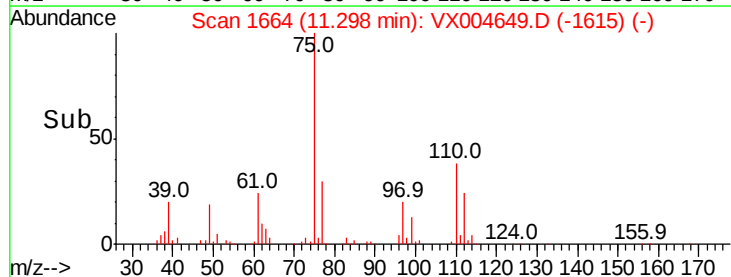
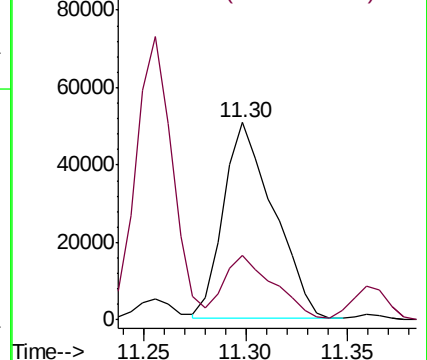
75 100

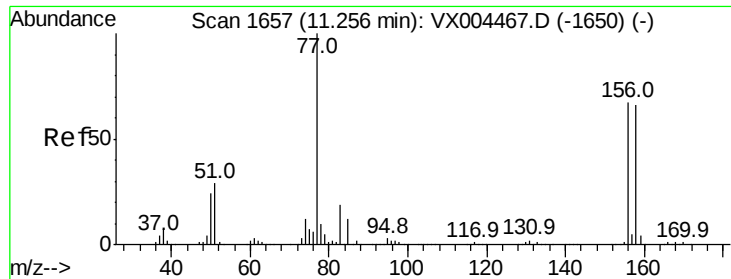
77 32.7 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.116 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :

MSVOA_X

ClientSampleId :

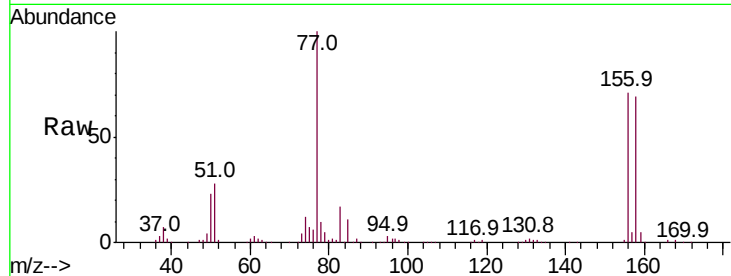
Tot Ion:156 Resp: 64581

Ion Ratio Lower Upper

156 100

77 141.3 71.5 214.3

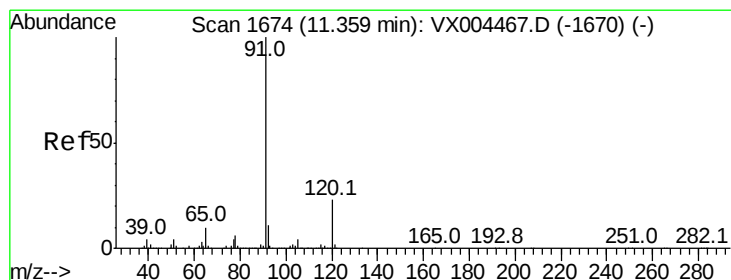
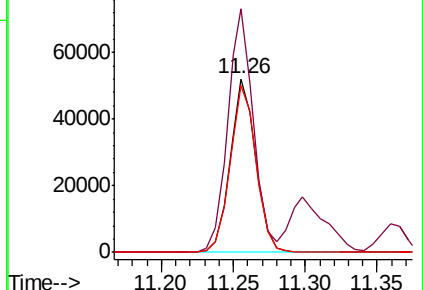
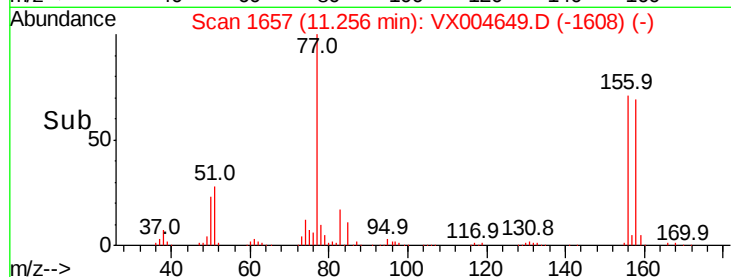
158 97.7 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.138 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004649.D

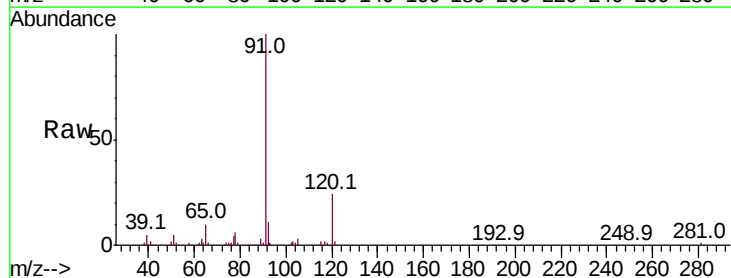
Acq: 18 Sep 2018 11:22

Tgt Ion: 91 Resp: 268932

Ion Ratio Lower Upper

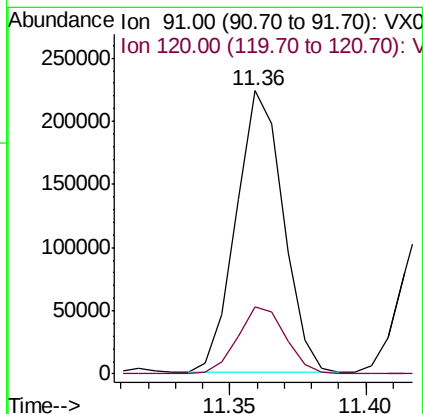
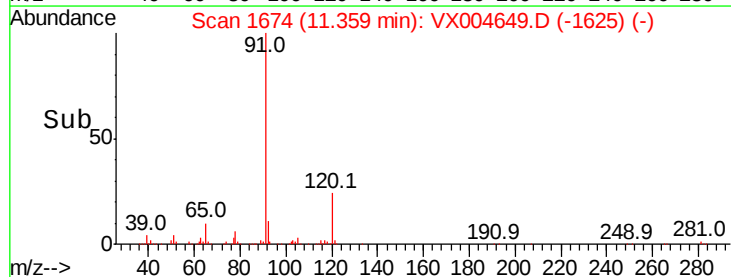
91 100

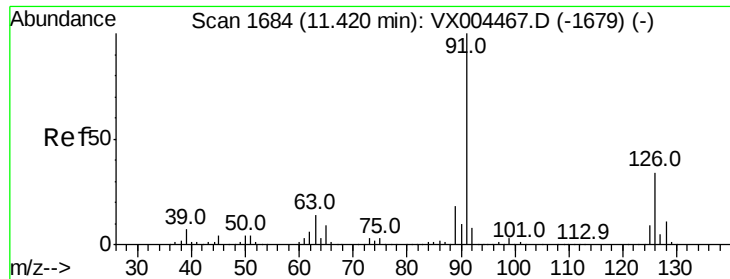
120 24.1 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.748 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :

MSVOA_X

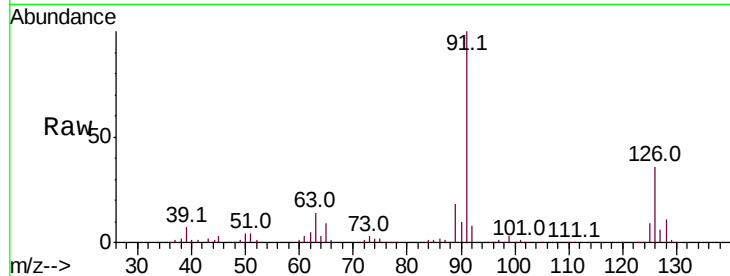
ClientSampleId :

Tot Ion: 91 Resp: 159953

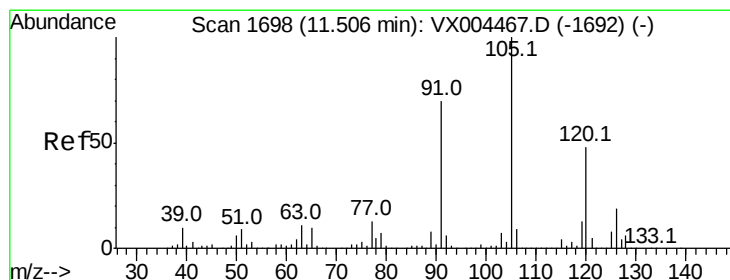
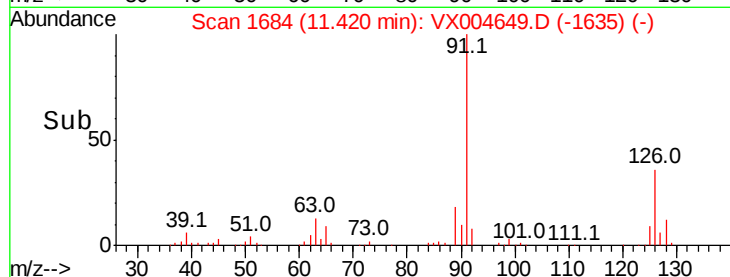
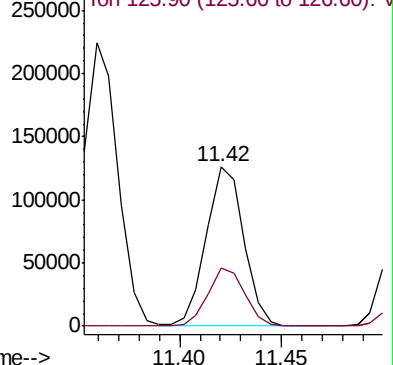
Ion Ratio Lower Upper

91 100

126 36.3 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VX004467.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.409 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX004649.D

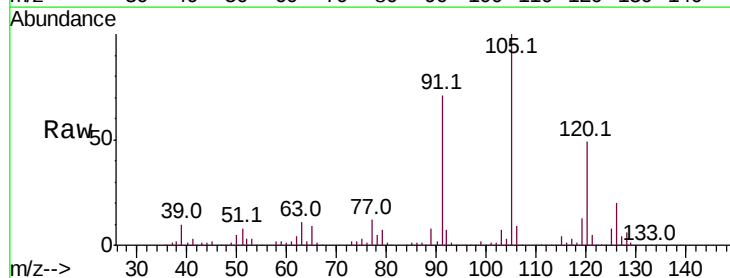
Acq: 18 Sep 2018 11:22

Tgt Ion:105 Resp: 199272

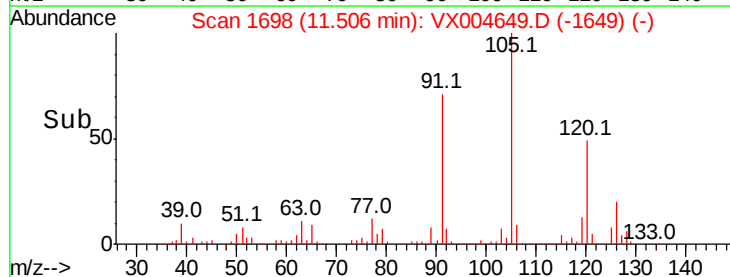
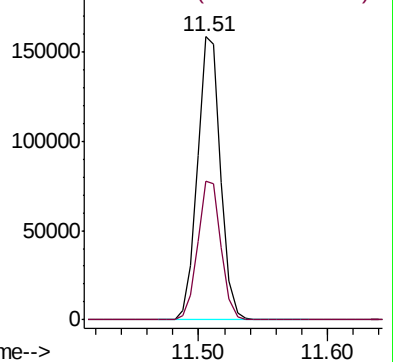
Ion Ratio Lower Upper

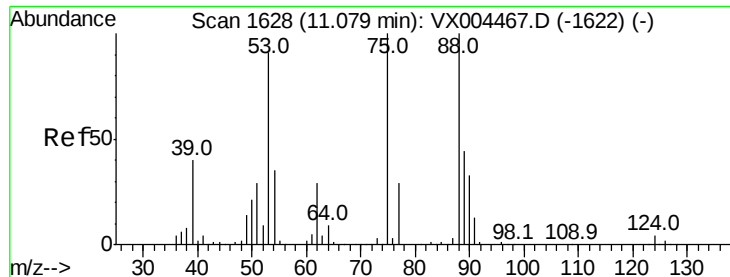
105 100

120 49.5 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX004467.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.424 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :

MSVOA_X

ClientSampleId :

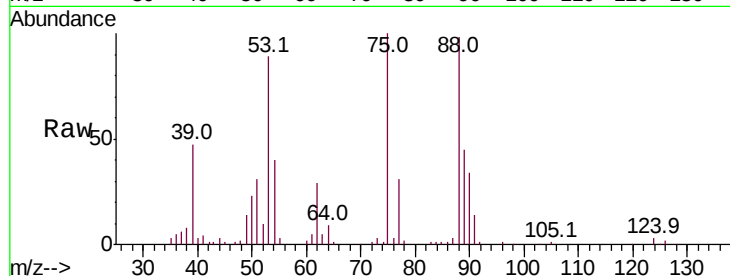
Tot Ion: 75 Resp: 21622

Ion Ratio Lower Upper

75 100

53 96.2 80.1 120.1

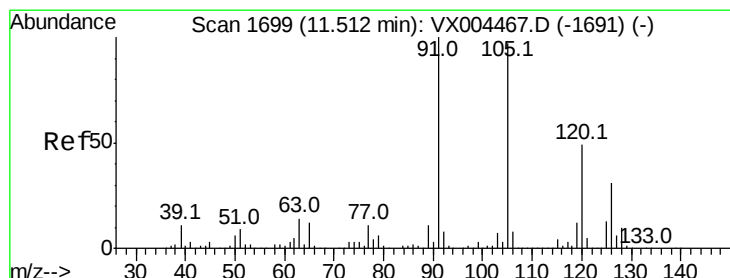
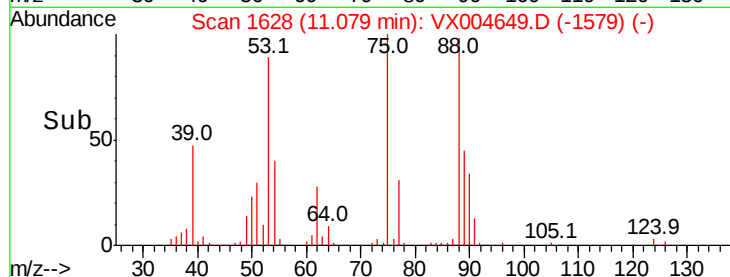
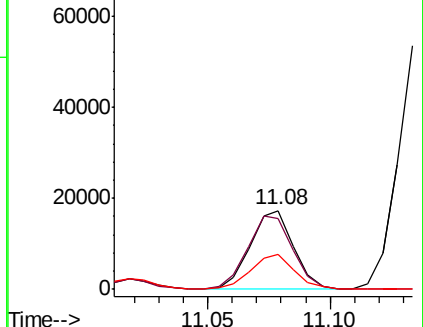
89 45.4 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 19.790 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX004649.D

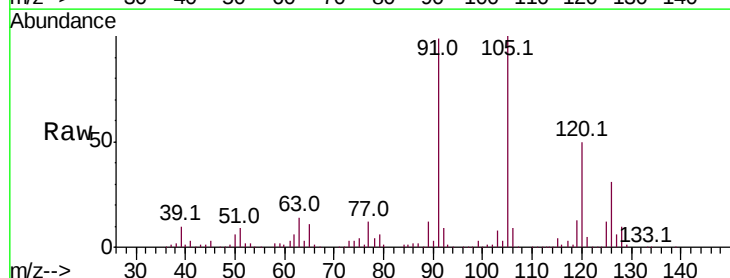
Acq: 18 Sep 2018 11:22

Tgt Ion: 91 Resp: 187084

Ion Ratio Lower Upper

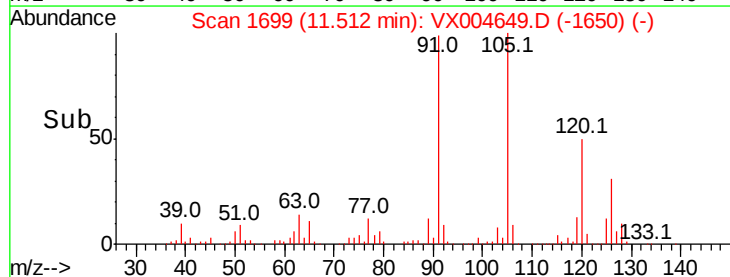
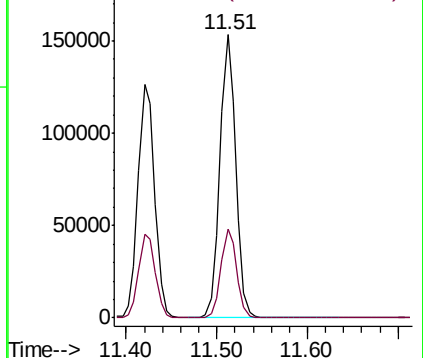
91 100

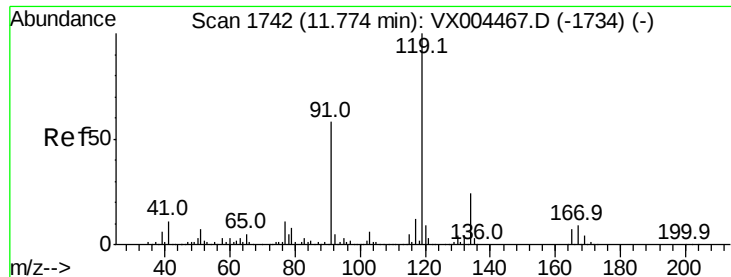
126 31.6 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 20.097 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX004649.D

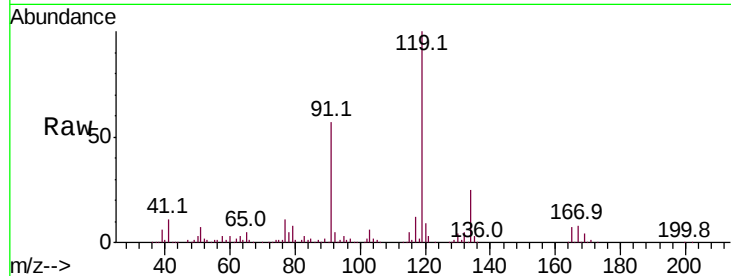
Acq: 18 Sep 2018 11:22

Instrument :

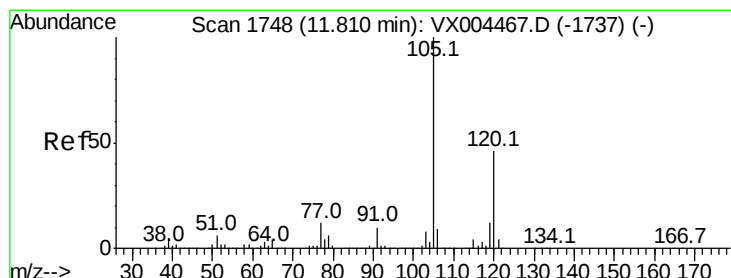
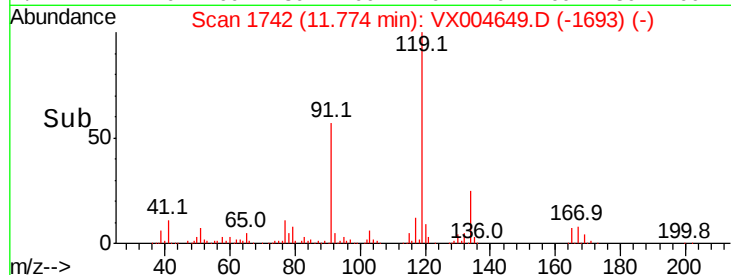
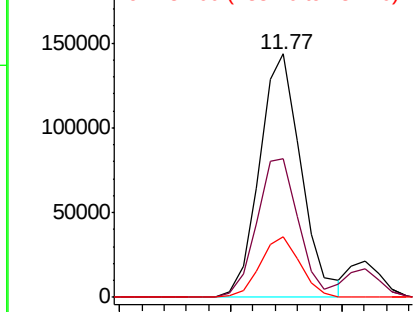
MSVOA_X

ClientSampleId :

Tot Ion:	119	Resp:	186820
Ion	Ratio	Lower	Upper
119	100		
91	56.8	27.0	81.0
134	23.9	11.7	35.1



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.493 ug/l

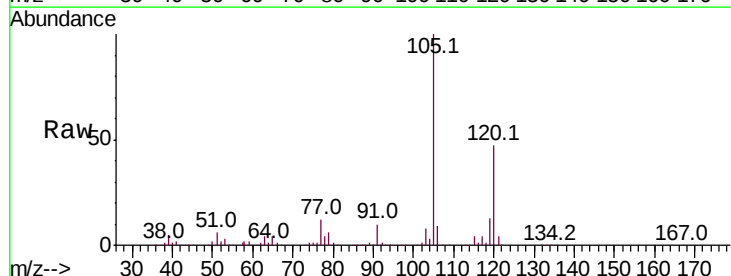
RT: 11.81 min Scan# 1748

Delta R.T. -0.00 min

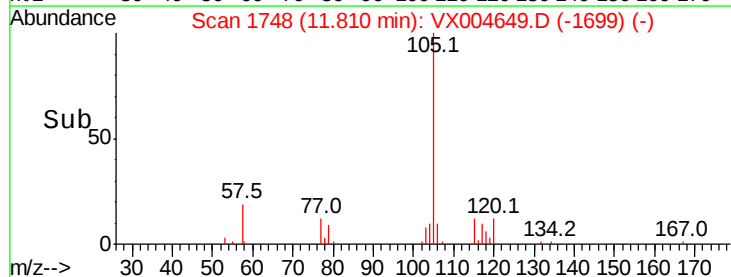
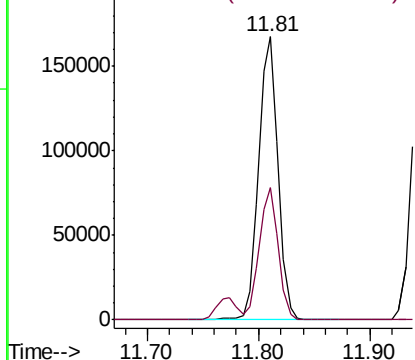
Lab File: VX004649.D

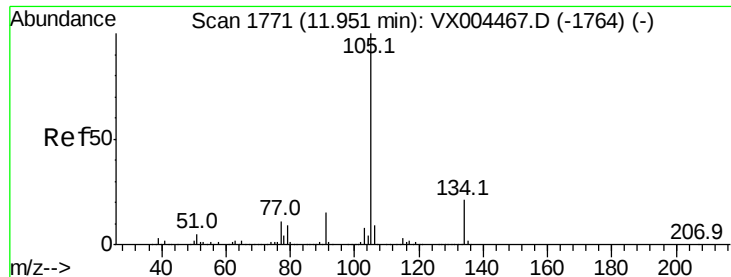
Acq: 18 Sep 2018 11:22

Tgt Ion:	105	Resp:	204297
Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.2	69.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.224 ug/l

RT: 11.95 min Scan# 1771

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :

MSVOA_X

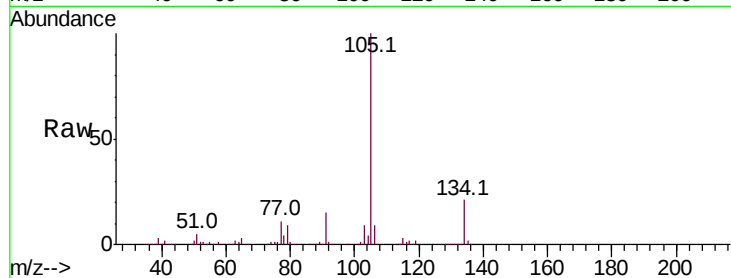
ClientSampleId :

Tot Ion:105 Resp: 239574

Ion Ratio Lower Upper

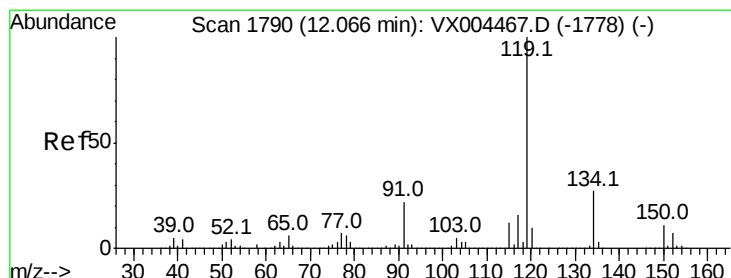
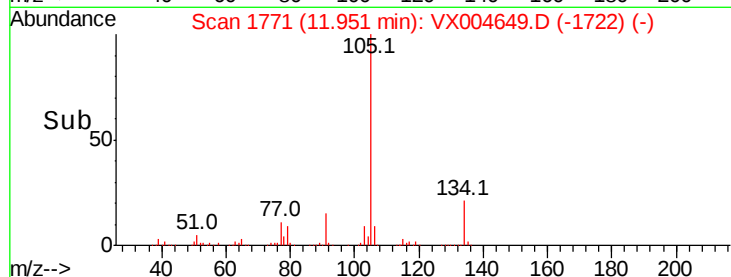
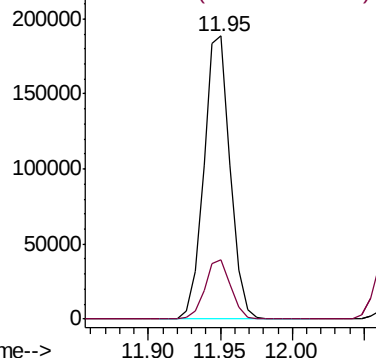
105 100

134 20.7 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.595 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

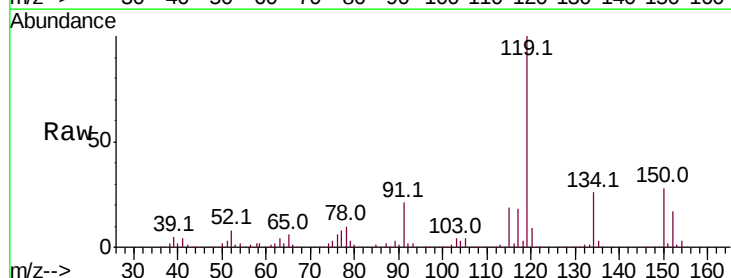
Tgt Ion:119 Resp: 215436

Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.2

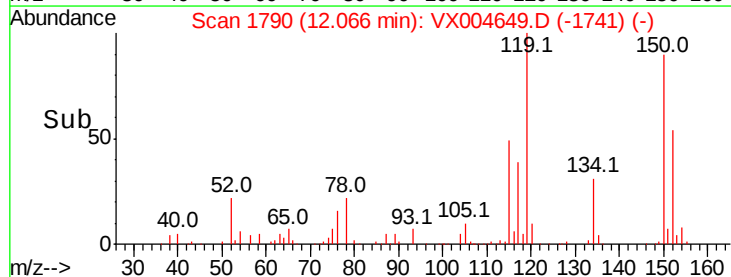
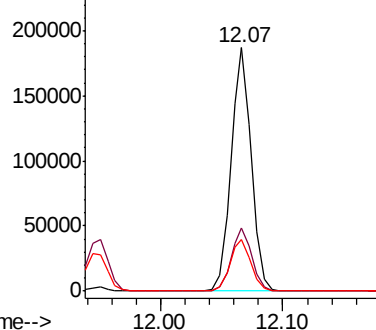
91 21.8 10.9 32.7

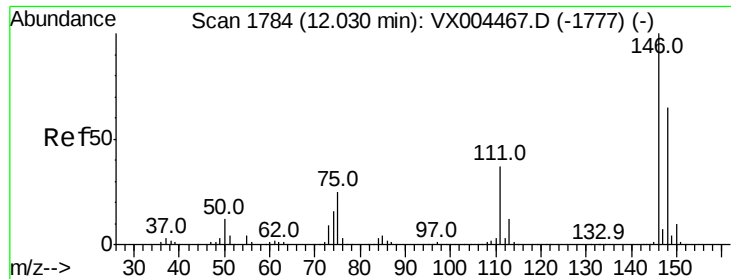


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

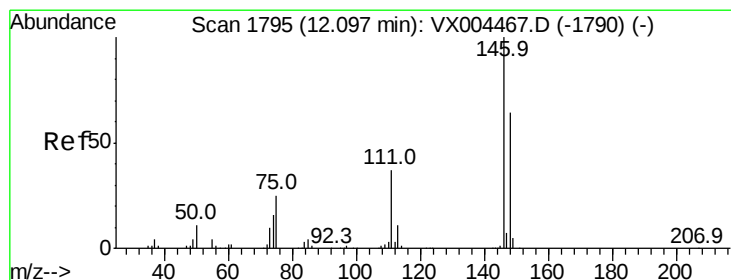
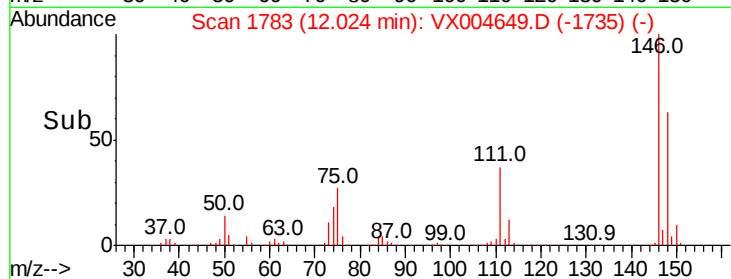
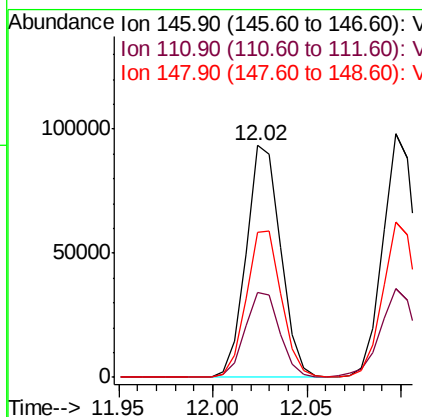
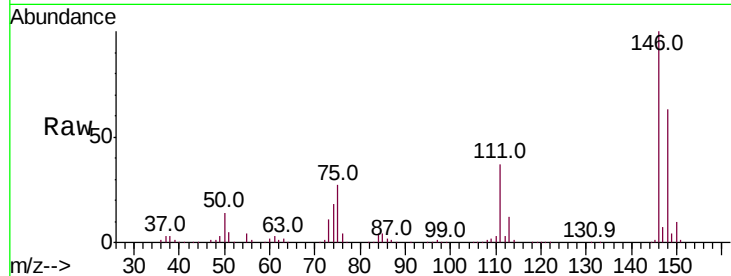




#87
 1,3-Dichlorobenzene
 Concen: 19.870 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX004649.D
 Acq: 18 Sep 2018 11:22

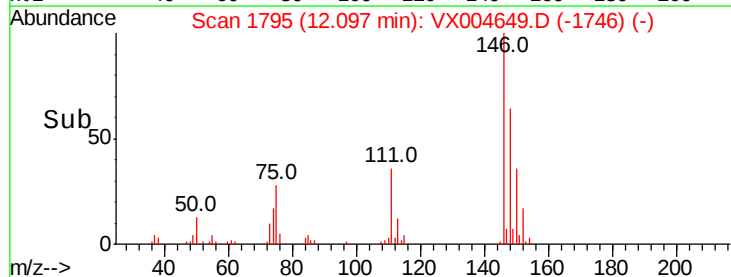
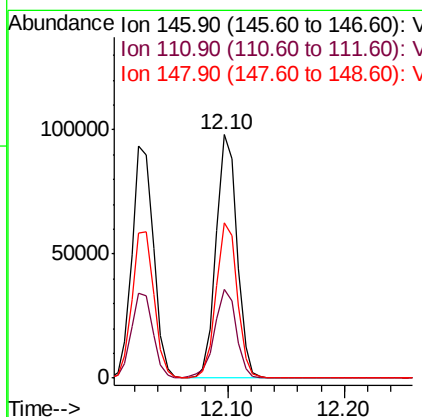
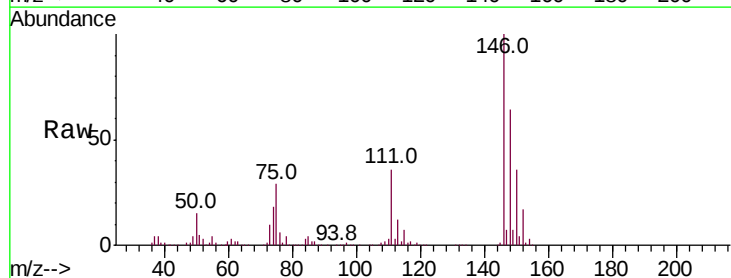
Instrument :
 MSVOA_X
 ClientSampled :

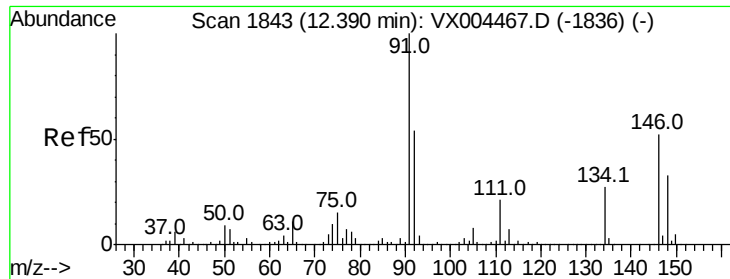
Tot Ion:146 Resp: 119016
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.7 56.1
 148 63.9 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 19.524 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004649.D
 Acq: 18 Sep 2018 11:22

Tgt Ion:146 Resp: 120835
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.1 54.1
 148 64.5 32.0 96.0

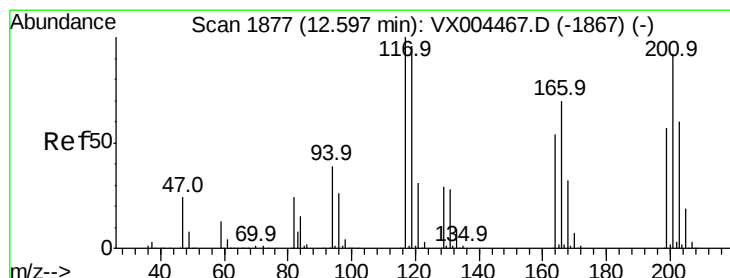
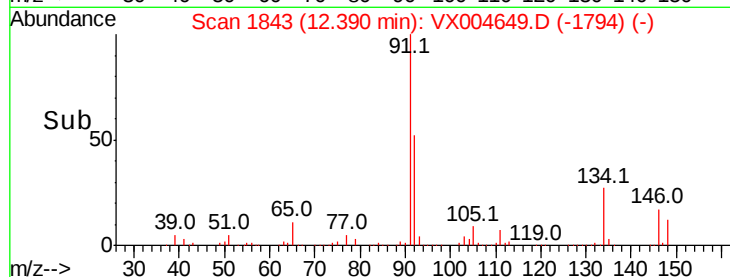
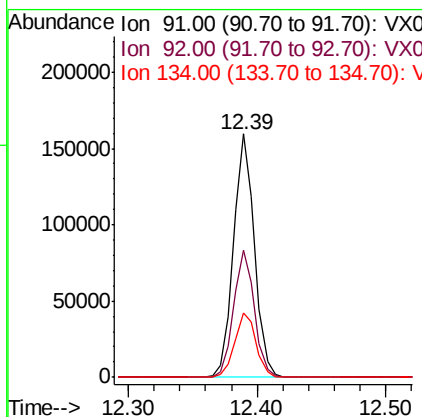
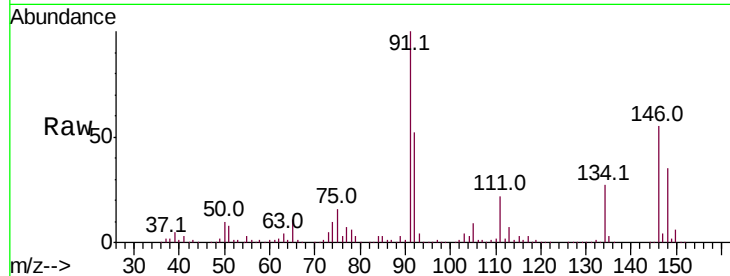




#89
n-Butylbenzene
Concen: 19.031 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

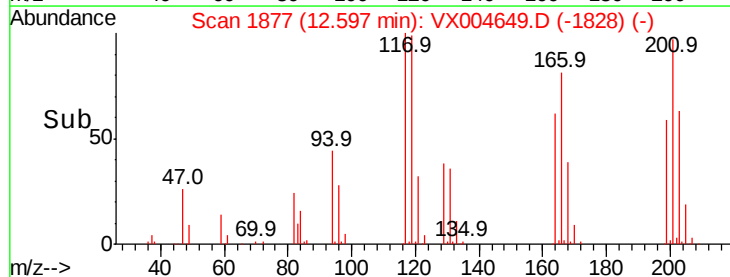
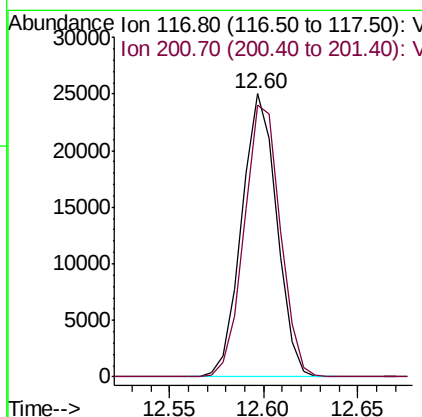
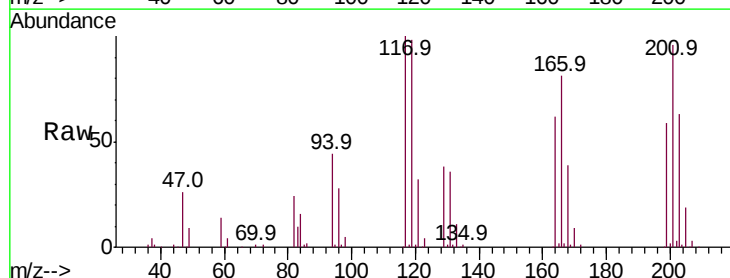
Instrument :
MSVOA_X
ClientSampled :

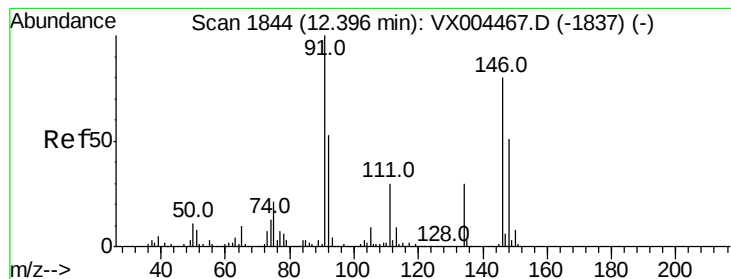
Tot Ion: 91 Resp: 181409
Ion Ratio Lower Upper
91 100
92 51.5 27.3 81.9
134 26.9 13.6 40.7



#90
Hexachloroethane
Concen: 19.297 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Tgt Ion: 117 Resp: 32315
Ion Ratio Lower Upper
117 100
201 98.9 46.9 140.6





#91

1,2-Dichlorobenzene

Concen: 19.589 ug/l

RT: 12.40 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :

MSVOA_X

ClientSampleId :

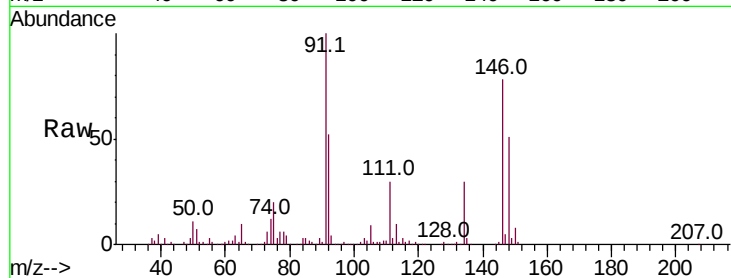
Tot Ion:146 Resp: 118757

Ion Ratio Lower Upper

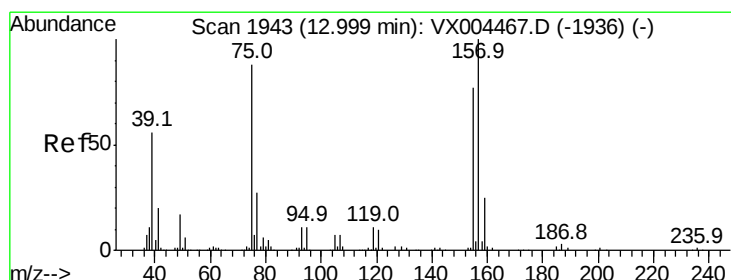
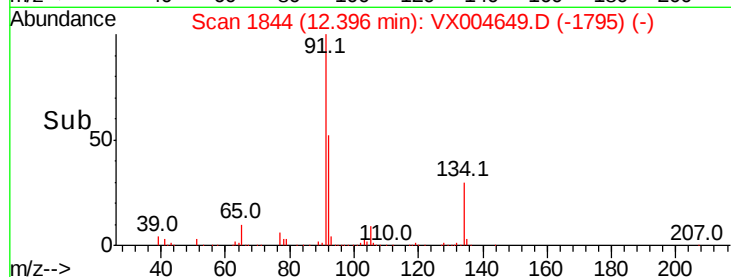
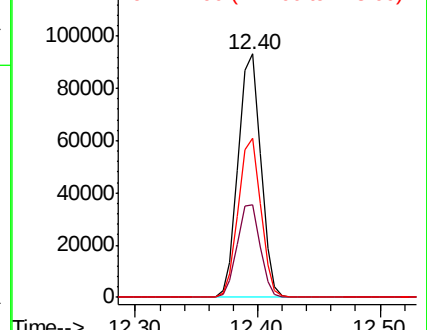
146 100

111 38.9 19.4 58.1

148 65.2 32.8 98.3



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: 19.327 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

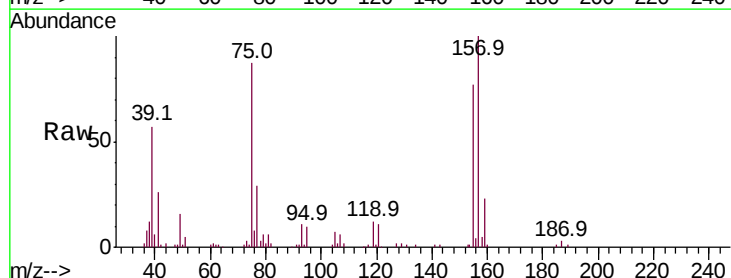
Tgt Ion: 75 Resp: 15461

Ion Ratio Lower Upper

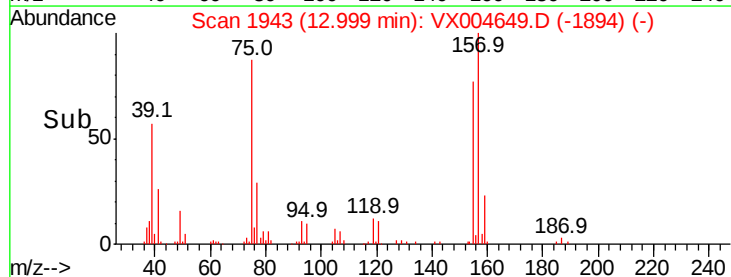
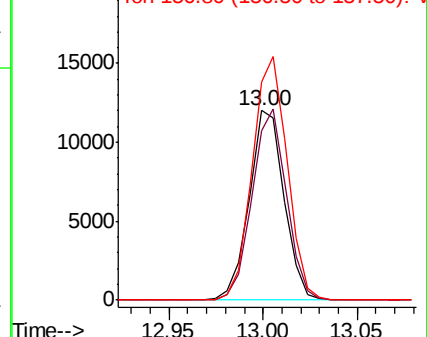
75 100

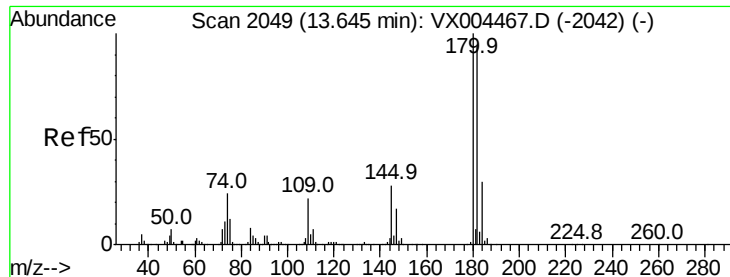
155 98.4 48.0 144.2

157 127.3 61.4 184.1



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

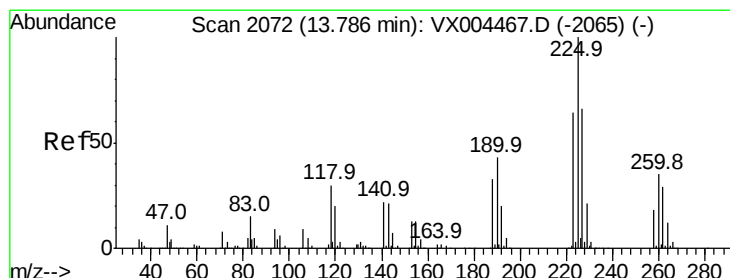
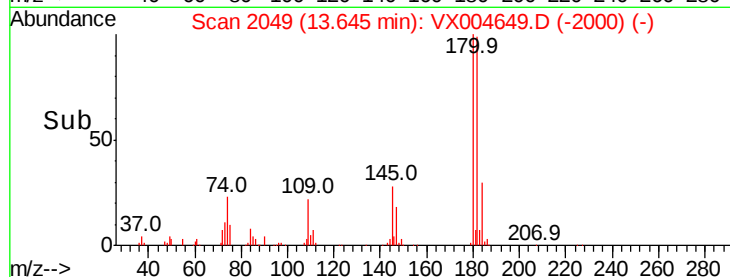
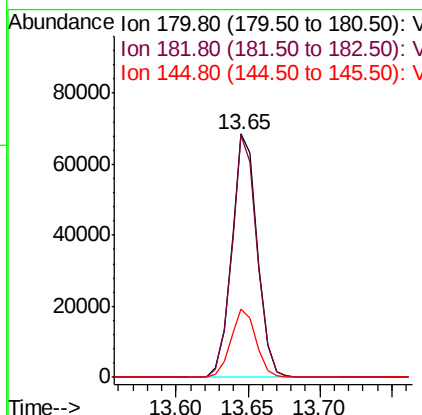
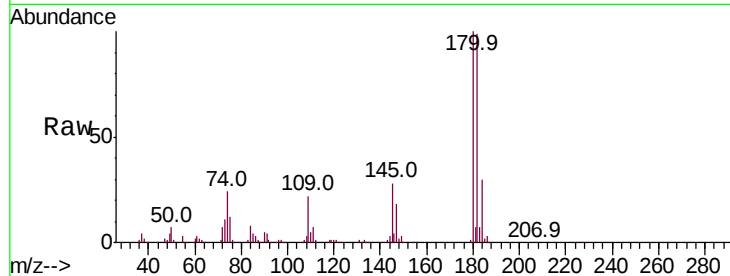




#93
 1,2,4-Trichlorobenzene
 Concen: 19.728 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004649.D
 Acq: 18 Sep 2018 11:22

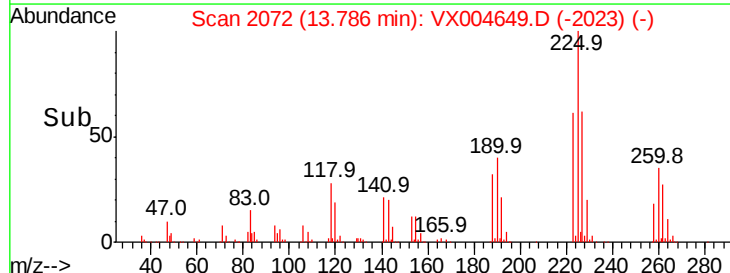
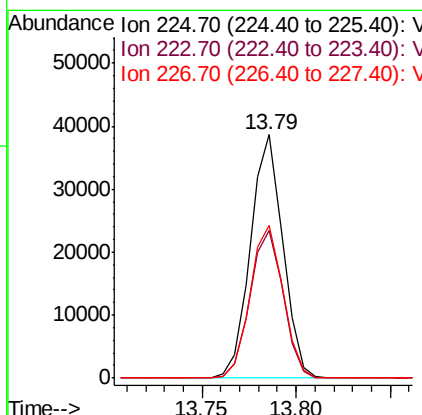
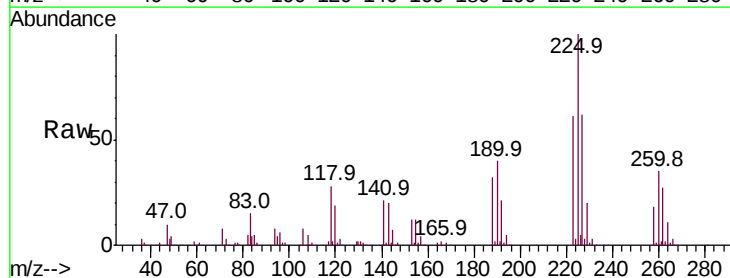
Instrument :
 MSVOA_X
 ClientSampleId :

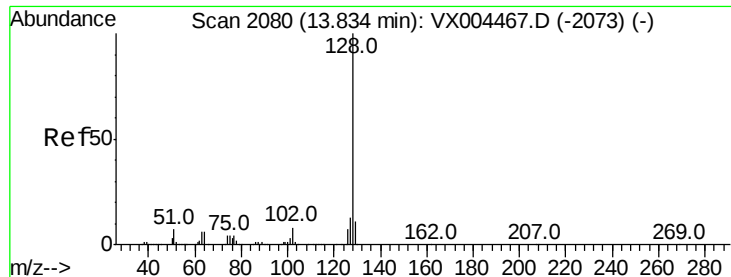
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.9	48.4	145.0
145	27.9	14.3	42.9



#94
 Hexachlorobutadiene
 Concen: 20.514 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004649.D
 Acq: 18 Sep 2018 11:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	30.1	90.5
227	63.9	30.8	92.4





#95

Naphthalene

Concen: 20.104 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :

MSVOA_X

ClientSampled :

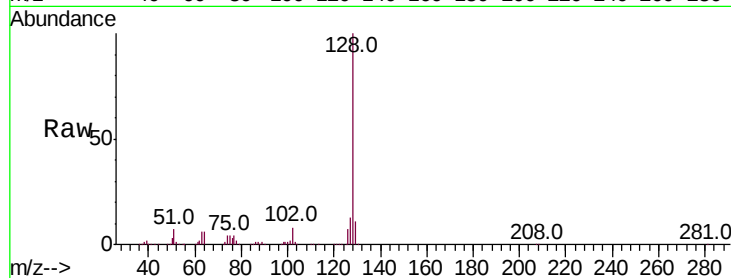
Tot Ion:128 Resp: 242058

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

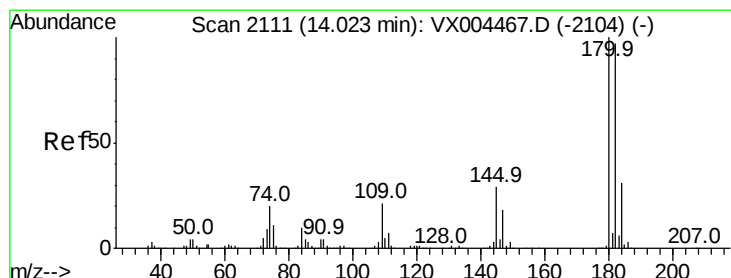
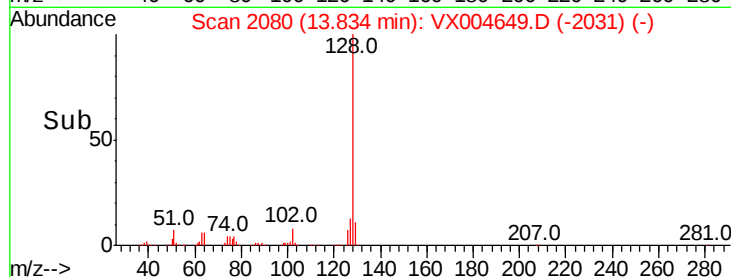
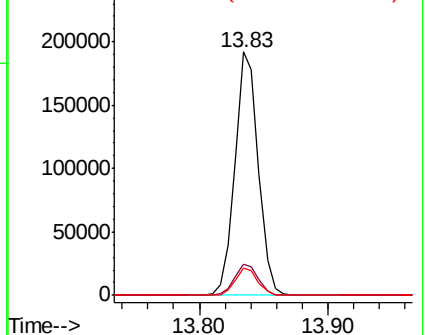
129 11.0 8.6 12.8



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: 20.307 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

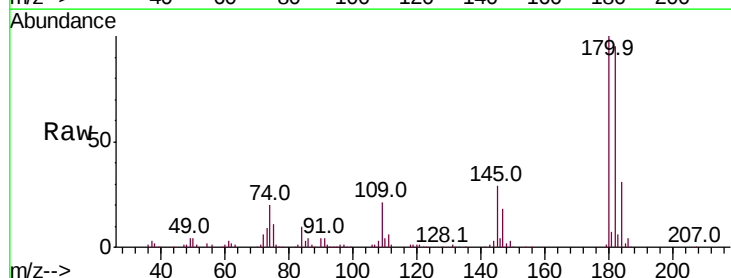
Tgt Ion:180 Resp: 89557

Ion Ratio Lower Upper

180 100

182 95.7 48.5 145.6

145 29.5 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

