

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\
 Data File : VX002649.D
 Acq On : 16 Jun 2018 15:34
 Operator : JC/MD
 Sample : J3477-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 18 06:14:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	164047	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	281637	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	277496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	171750	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	154357	61.92	ug/l	0.00
Spiked Amount			Recovery	=	123.84%	
35) Dibromofluoromethane	5.51	113	120950	53.81	ug/l	0.00
Spiked Amount			Recovery	=	107.62%	
50) Toluene-d8	8.72	98	423862	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
62) 4-Bromofluorobenzene	11.14	95	163305	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	57321	32.91	ug/l	100
3) Chloromethane	1.32	50	111915	54.02	ug/l	99
4) Vinyl Chloride	1.41	62	136377	63.44	ug/l #	83
5) Bromomethane	1.64	94	55437	42.74	ug/l	98
6) Chloroethane	1.72	64	95935	67.71	ug/l	95
7) Trichlorofluoromethane	1.93	101	146379	41.91	ug/l	99
8) Diethyl Ether	2.19	74	83273	62.69	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	69185	35.44	ug/l	99
10) Methyl Iodide	2.51	142	125009	47.71	ug/l	99
11) Tert butyl alcohol	3.08	59	150515	292.06	ug/l	98
12) 1,1-Dichloroethene	2.37	96	88747	48.42	ug/l	100
13) Acrolein	2.30	56	65326	269.83	ug/l	99
14) Allyl chloride	2.73	41	196555	54.01	ug/l	97
15) Acrylonitrile	3.15	53	358494	318.78	ug/l	100
16) Acetone	2.45	43	341934	310.89	ug/l	99
17) Carbon Disulfide	2.57	76	241337	55.51	ug/l	99
18) Methyl Acetate	2.78	43	155402	53.04	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	427000	62.10	ug/l	98
20) Methylene Chloride	2.86	84	126821	56.24	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	113305	56.98	ug/l	95
22) Diisopropyl ether	3.88	45	394744	59.95	ug/l	98
23) Vinyl Acetate	3.83	43	1380699	250.53	ug/l	100
24) 1,1-Dichloroethane	3.70	63	200732	56.17	ug/l	100
25) 2-Butanone	4.71	43	464280	321.44	ug/l	98
26) 2,2-Dichloropropane	4.59	77	74939	29.18	ug/l	87
27) cis-1,2-Dichloroethene	4.60	96	159314	78.74	ug/l	87
28) Bromochloromethane	5.03	49	107959	64.50	ug/l	97
29) Tetrahydrofuran	5.17	42	304715	321.90	ug/l	97
30) Chloroform	5.22	83	214883	62.35	ug/l	99
31) Cyclohexane	5.57	56	114455	38.90	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	164403	57.04	ug/l	99
36) 1,1-Dichloropropene	5.81	75	126300	42.22	ug/l	99
37) Ethyl Acetate	4.87	43	150241	44.38	ug/l	99
38) Carbon Tetrachloride	5.79	117	133497	44.82	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	104237	29.81	ug/l	99
40) Benzene	6.15	78	455573	50.79	ug/l	99
41) Methacrylonitrile	5.07	41	106509	55.72	ug/l	98
42) 1,2-Dichloroethane	6.20	62	188773	54.36	ug/l	99
43) Isopropyl Acetate	6.47	43	269874	48.11	ug/l	99
44) Trichloroethene	7.21	130	120123	46.40	ug/l	97
45) 1,2-Dichloropropane	7.52	63	124223	52.63	ug/l	99
46) Dibromomethane	7.67	93	88148	55.83	ug/l	97
47) Bromodichloromethane	7.90	83	160440	57.61	ug/l	99
48) Methyl methacrylate	7.78	41	157595	54.98	ug/l	97
49) 1,4-Dioxane	7.76	88	56474	1040.36	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1001012	277.94	ug/l	99
52) Toluene	8.79	92	286611	50.10	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	167173	45.57	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	155145	44.49	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	130156	56.30	ug/l	97
56) Ethyl methacrylate	9.18	69	199913	56.19	ug/l	97
57) 1,3-Dichloropropane	9.38	76	212826	54.43	ug/l	99
59) 2-Hexanone	9.50	43	758514	279.49	ug/l	98
60) Dibromochloromethane	9.59	129	133996	51.41	ug/l	100
61) 1,2-Dibromoethane	9.68	107	136803	57.14	ug/l	100
64) Tetrachloroethene	9.34	164	107750	34.98	ug/l	99
65) Chlorobenzene	10.14	112	355171	52.12	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	130198	56.04	ug/l	98
67) Ethyl Benzene	10.26	91	555122	48.29	ug/l	100
68) m/p-Xylenes	10.36	106	429321	96.83	ug/l	99
69) o-Xylene	10.70	106	220632	50.65	ug/l	98
70) Stvrene	10.71	104	370003	51.65	ug/l	99
71) Bromoform	10.86	173	102800	48.74	ug/l	99
73) Isopropylbenzene	11.02	105	544996	47.45	ug/l	100
74) N-amyl acetate	6.47	43	269874	47.29	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	203646	60.03	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	192926	59.53	ug/l	80
77) Bromobenzene	11.26	156	172326	53.85	ug/l	96
78) n-propylbenzene	11.37	91	607559	46.12	ug/l	99
79) 2-Chlorotoluene	11.43	91	393473	50.03	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	475663	49.00	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	26611	28.26	ug/l	94
82) 4-Chlorotoluene	11.51	91	461954	49.78	ug/l	98
83) tert-Butylbenzene	11.77	119	469125	50.16	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	503277	50.81	ug/l	99
85) sec-Butylbenzene	11.95	105	511008	43.95	ug/l	99
86) p-Isopropyltoluene	12.07	119	475662	45.21	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	299027	50.95	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	314378	52.65	ug/l	99
89) n-Butylbenzene	12.39	91	385486	41.53	ug/l	99
90) Hexachloroethane	12.60	117	70308	43.24	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	359227	60.82	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	43229	60.84	ug/l	95
93) 1,2,4-Trichlorobenzene	13.65	180	216550	50.51	ug/l	100

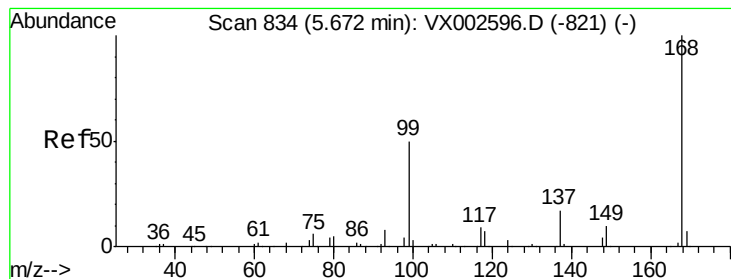
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:37:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	83260	36.87	ug/l	99
95) Naphthalene	13.84	128	671769	58.23	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	230123	53.45	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

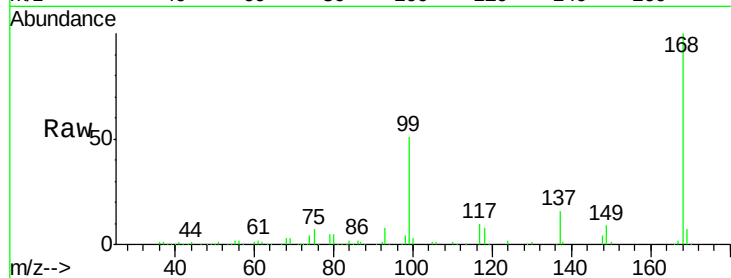
ClientSampleId :

Tot Ion:168 Resp: 164047

Ion Ratio Lower Upper

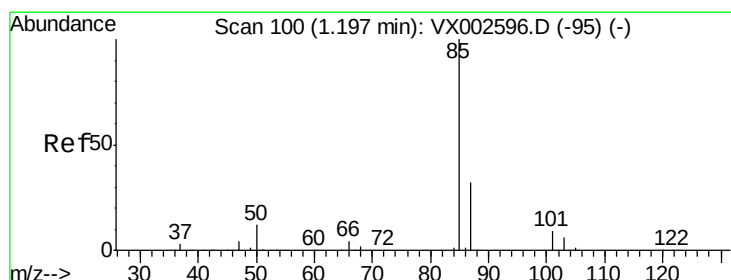
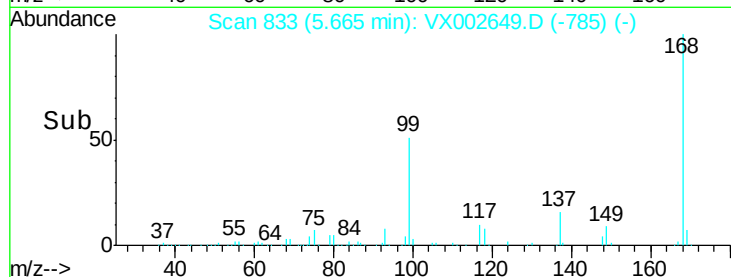
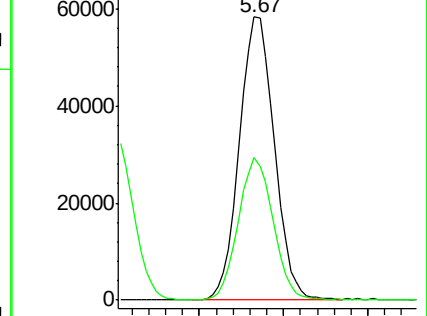
168 100

99 50.3 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 32.91 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002649.D

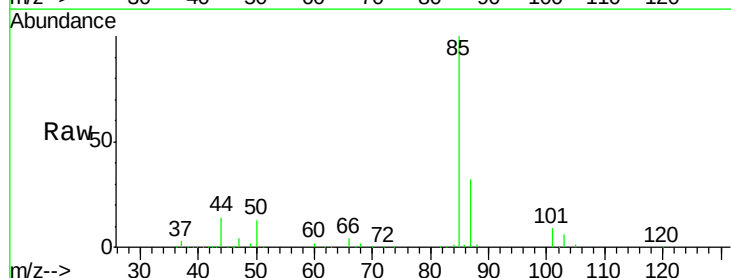
Acq: 16 Jun 2018 15:34

Tgt Ion: 85 Resp: 57321

Ion Ratio Lower Upper

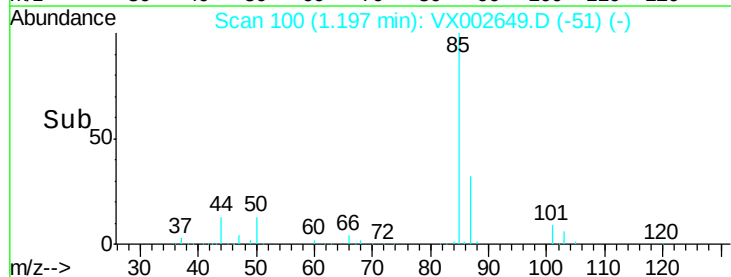
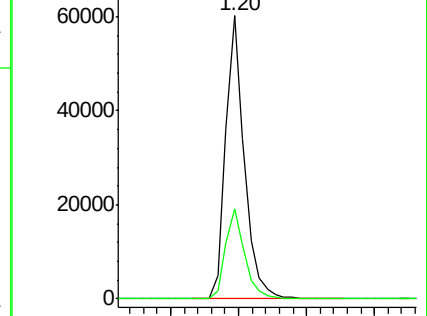
85 100

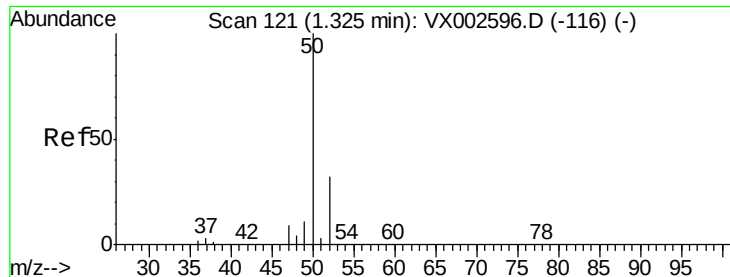
87 31.8 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 54.02 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

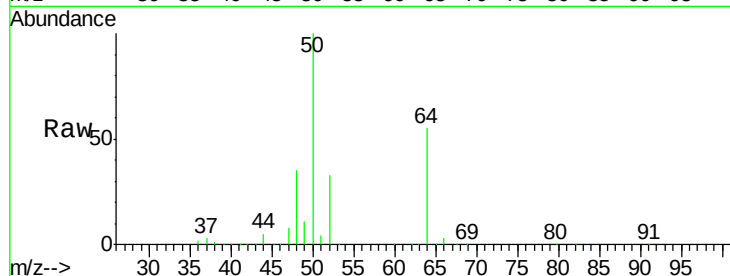
ClientSampleId :

Tot Ion: 50 Resp: 111915

Ion Ratio Lower Upper

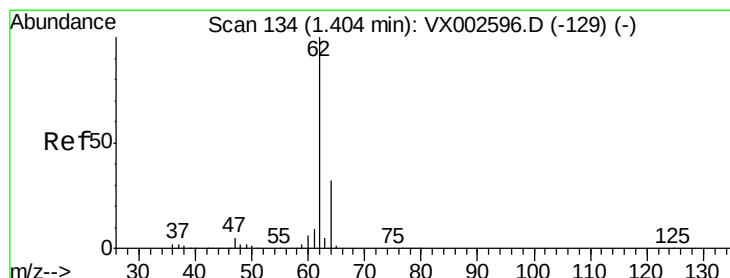
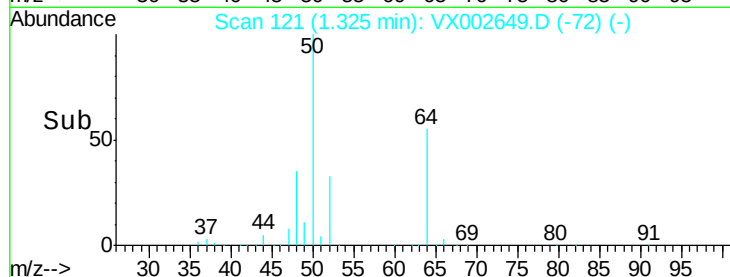
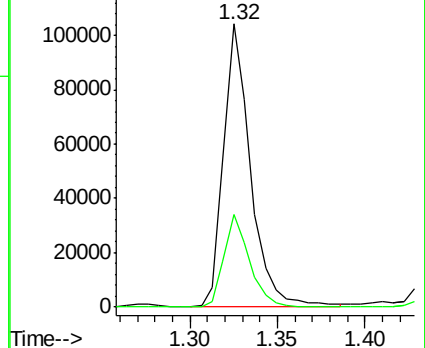
50 100

52 32.6 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 63.44 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX002649.D

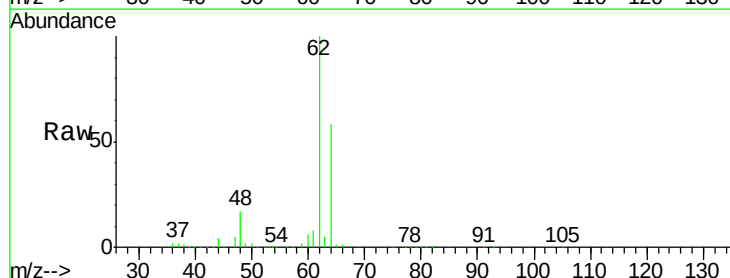
Acq: 16 Jun 2018 15:34

Tgt Ion: 62 Resp: 136377

Ion Ratio Lower Upper

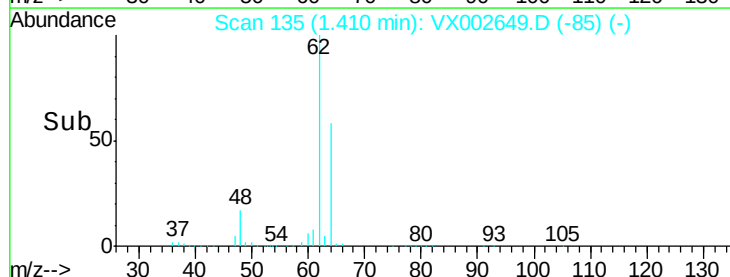
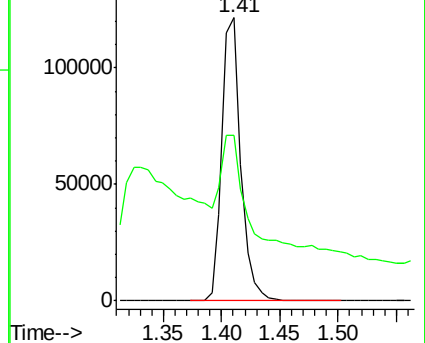
62 100

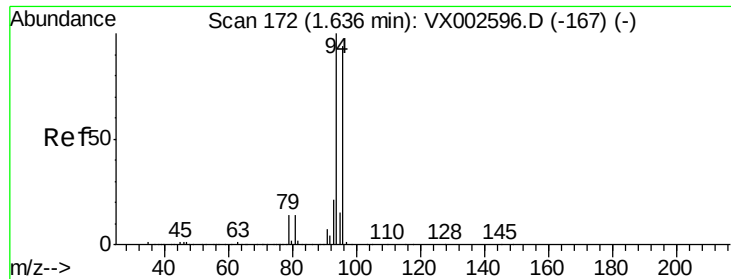
64 41.1 25.4 38.2#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 42.74 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

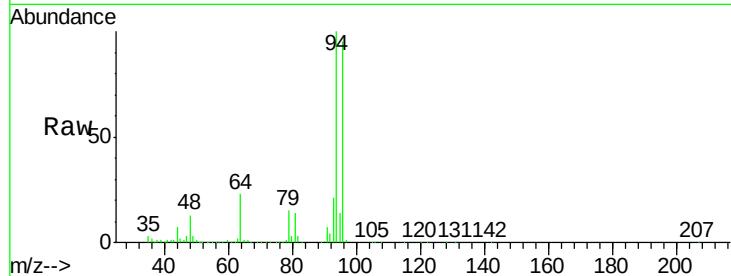
ClientSampled :

Tot Ion: 94 Resp: 55437

Ion Ratio Lower Upper

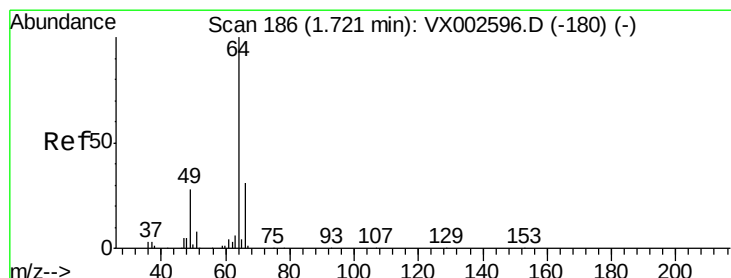
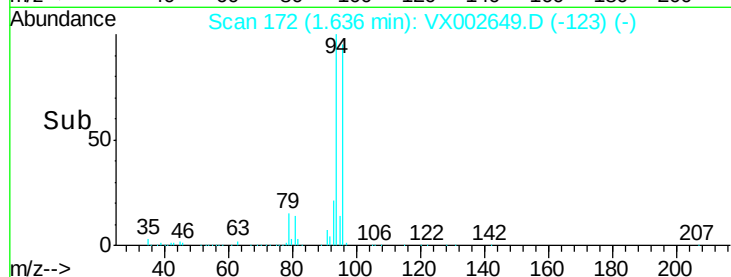
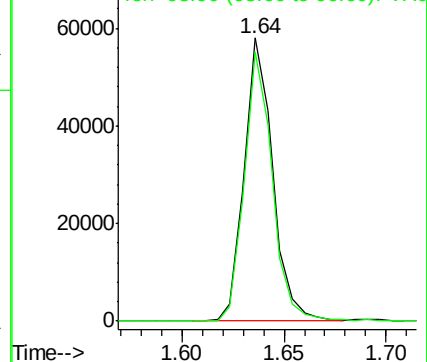
94 100

96 95.2 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 67.71 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX002649.D

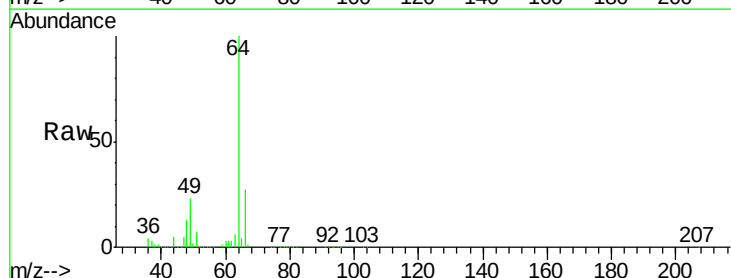
Acq: 16 Jun 2018 15:34

Tgt Ion: 64 Resp: 95935

Ion Ratio Lower Upper

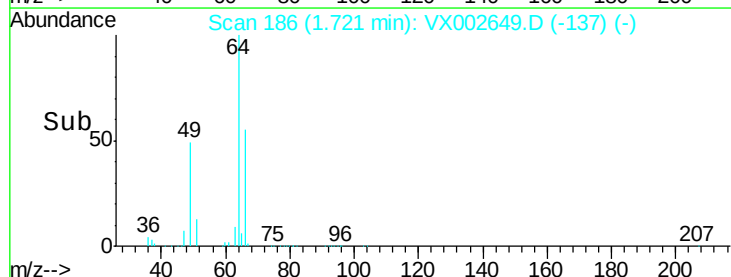
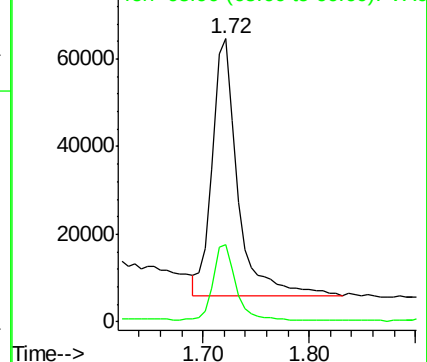
64 100

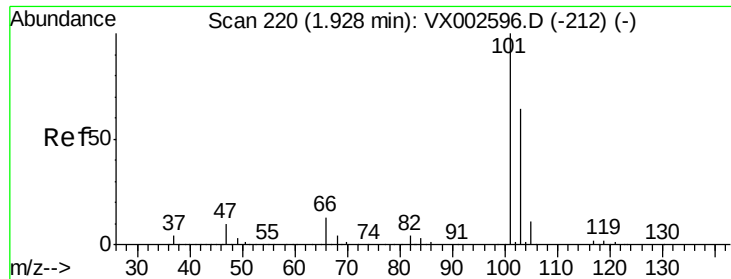
66 29.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



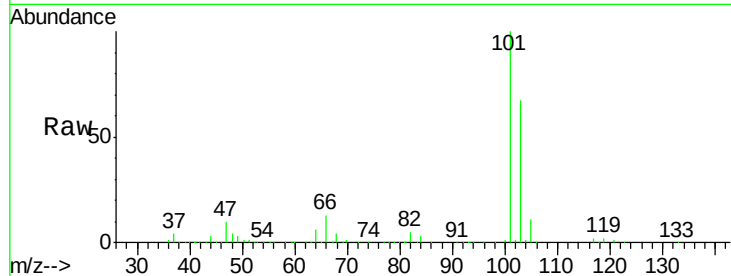


#7

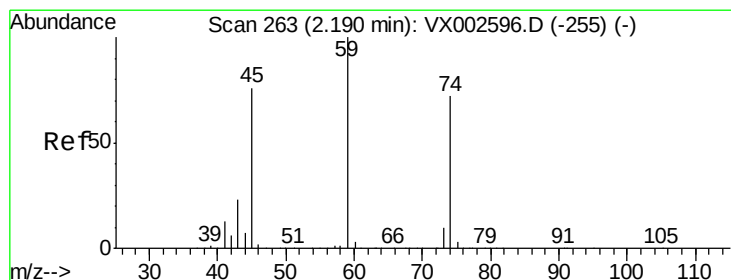
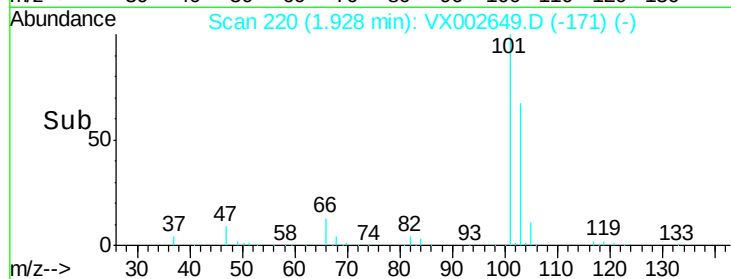
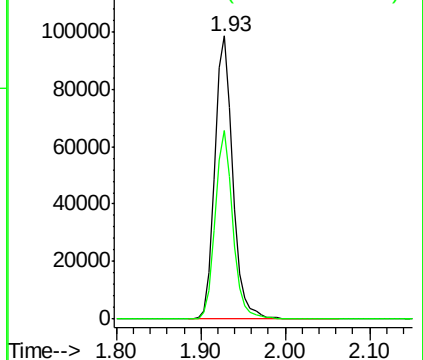
Trichlorofluoromethane
Concen: 41.91 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:101 Resp: 146379
Ion Ratio Lower Upper
101 100
103 66.8 52.8 79.2



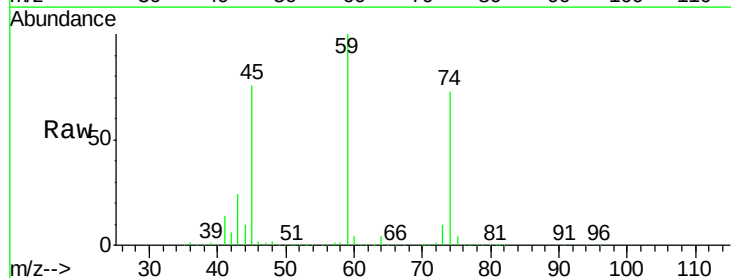
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



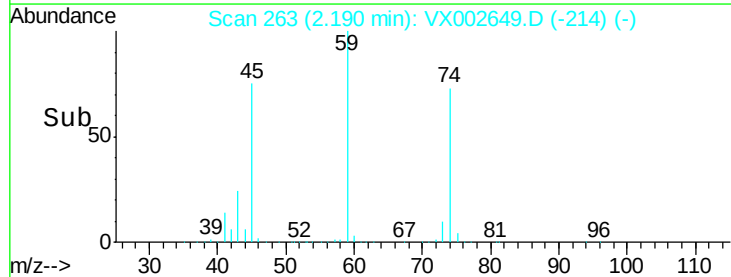
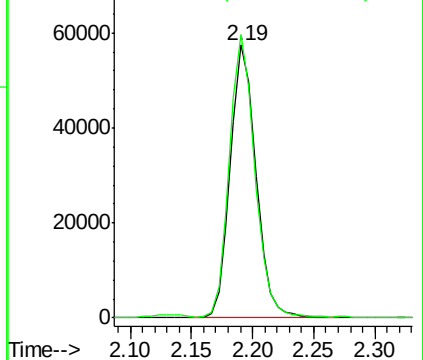
#8

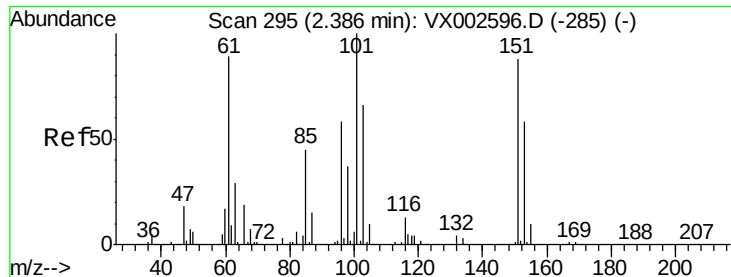
Diethyl Ether
Concen: 62.69 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

Tgt Ion: 74 Resp: 83273
Ion Ratio Lower Upper
74 100
45 102.0 53.1 159.4



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 35.44 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

ClientSampleId :

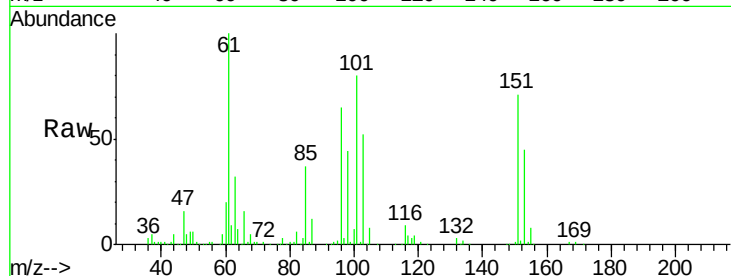
Tot Ion:101 Resp: 69185

Ion Ratio Lower Upper

101 100

85 45.8 36.0 54.0

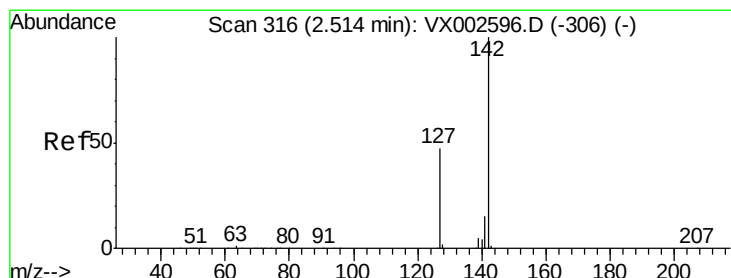
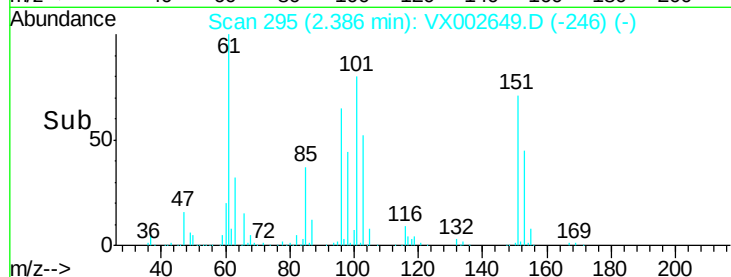
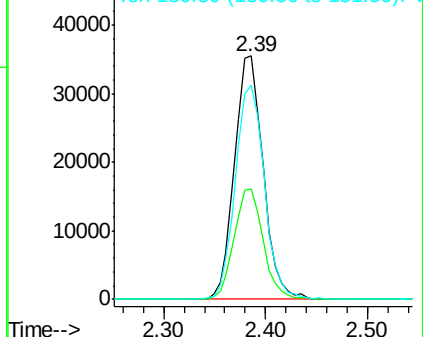
151 89.5 70.9 106.3



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: 47.71 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

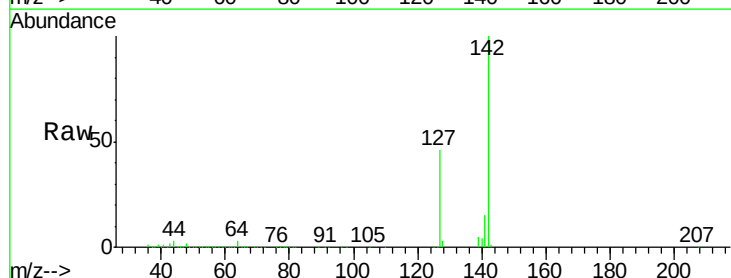
Tgt Ion:142 Resp: 125009

Ion Ratio Lower Upper

142 100

127 46.9 36.6 55.0

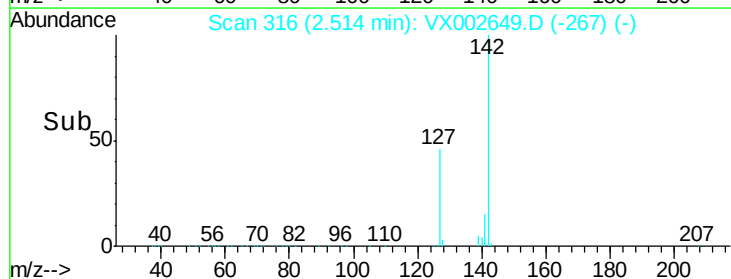
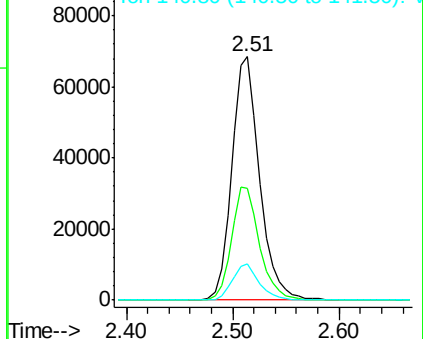
141 14.3 11.3 16.9

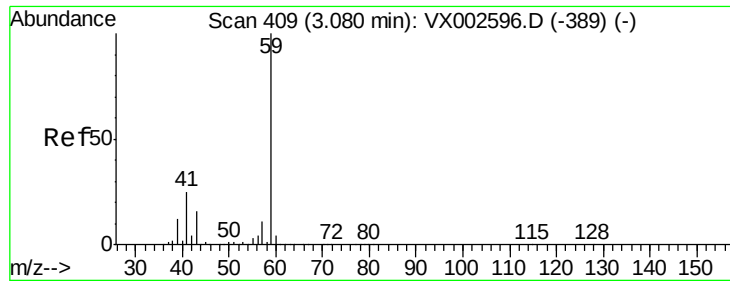


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

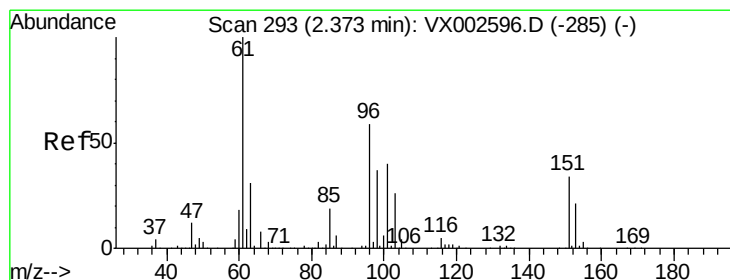
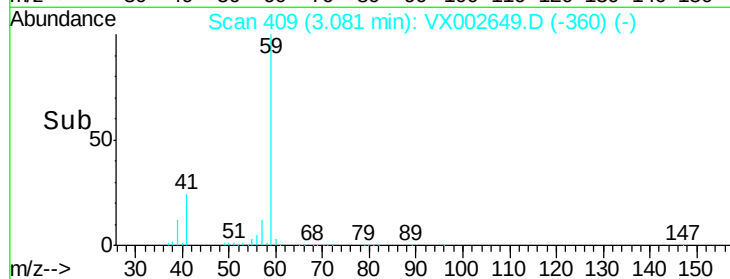
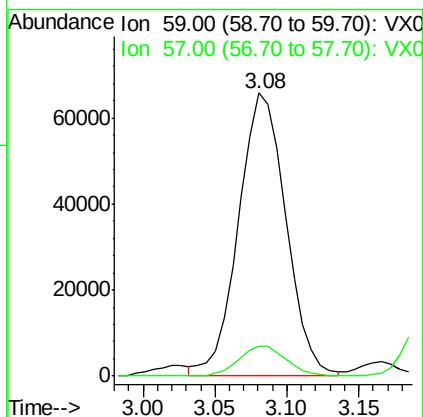
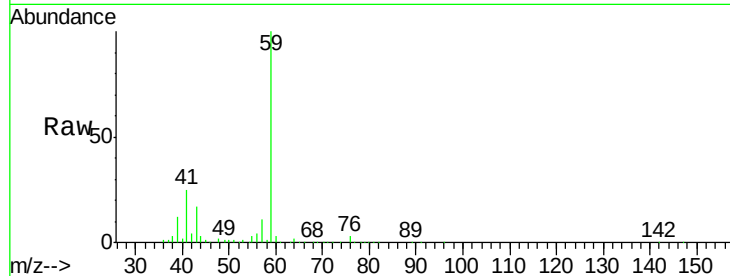




#11
Tert butyl alcohol
Concen: 292.06 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

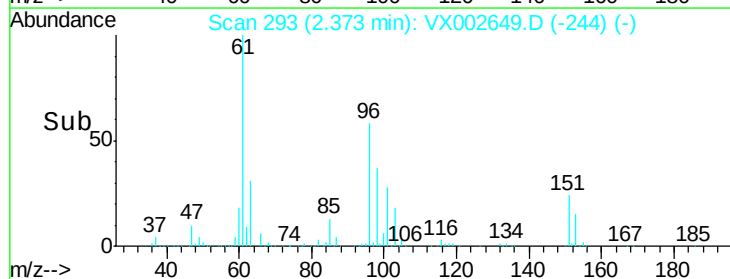
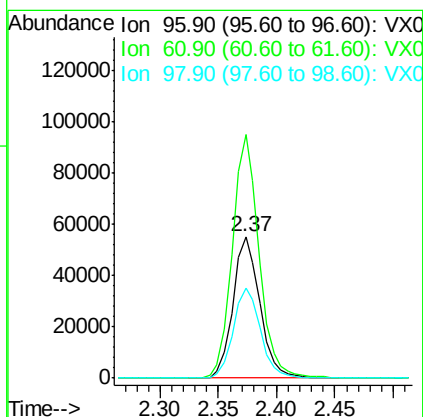
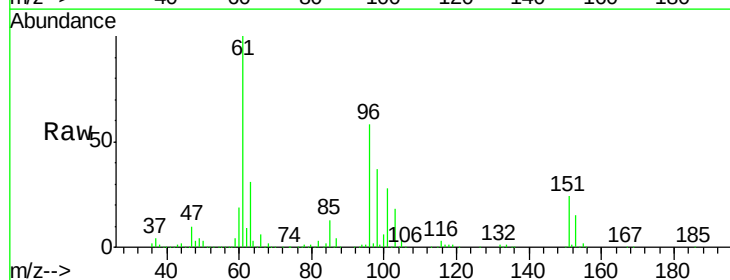
Instrument :
MSVOA_X
ClientSampleId :

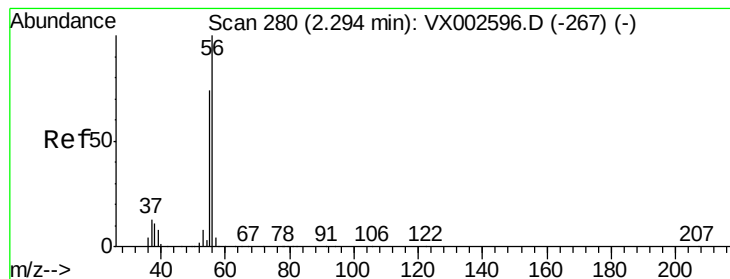
Tot Ion: 59 Resp: 150515
Ion Ratio Lower Upper
59 100
57 10.8 8.2 12.2



#12
1,1-Dichloroethene
Concen: 48.42 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

Tgt Ion: 96 Resp: 88747
Ion Ratio Lower Upper
96 100
61 172.1 137.9 206.9
98 64.1 51.6 77.4





#13

Acrolein

Concen: 269.83 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

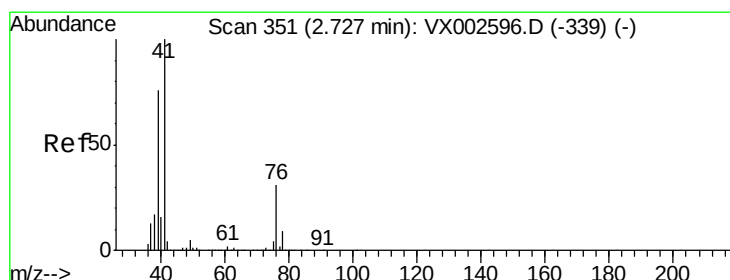
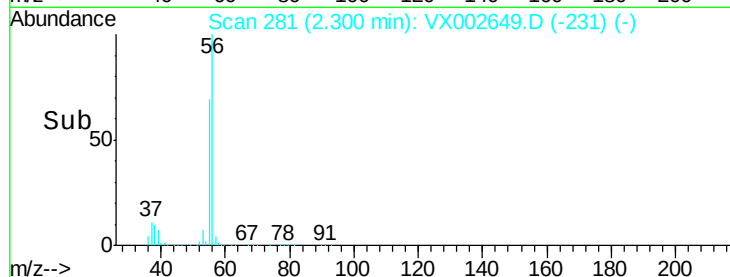
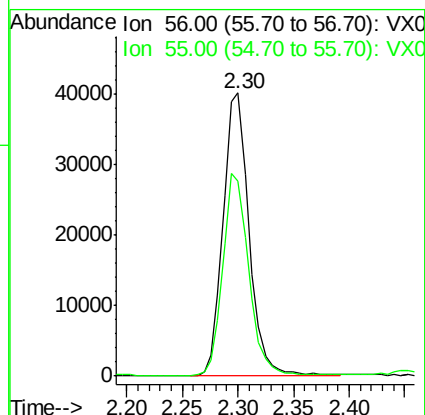
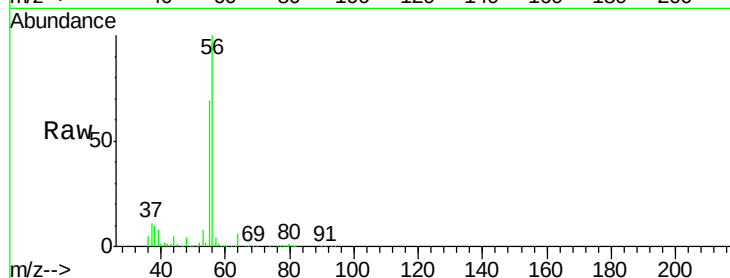
ClientSampleId :

Tot Ion: 56 Resp: 65326

Ion Ratio Lower Upper

56 100

55 70.5 57.0 85.4



#14

Allyl chloride

Concen: 54.01 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

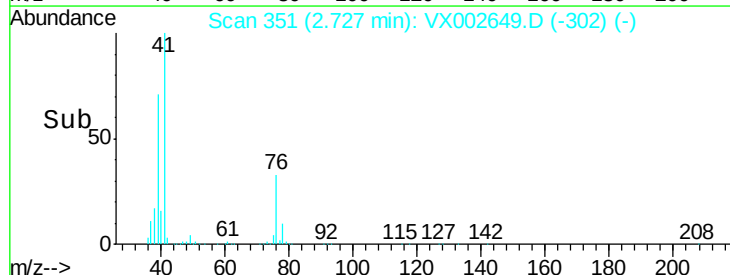
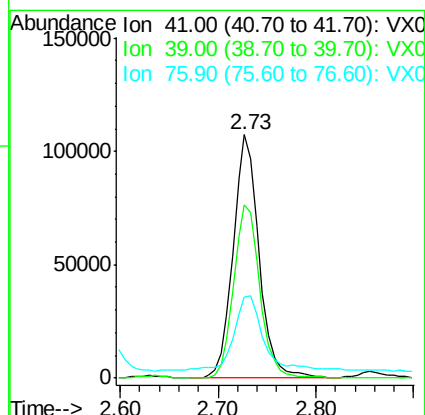
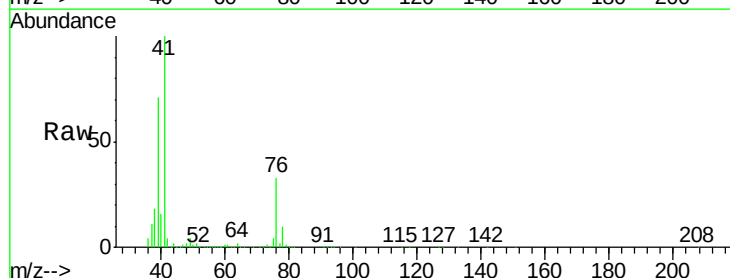
Tgt Ion: 41 Resp: 196555

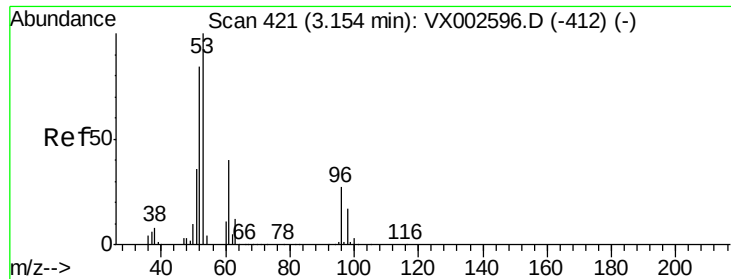
Ion Ratio Lower Upper

41 100

39 71.3 56.8 85.2

76 34.4 23.8 35.8





#15

Acrylonitrile

Concen: 318.78 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

ClientSampleId :

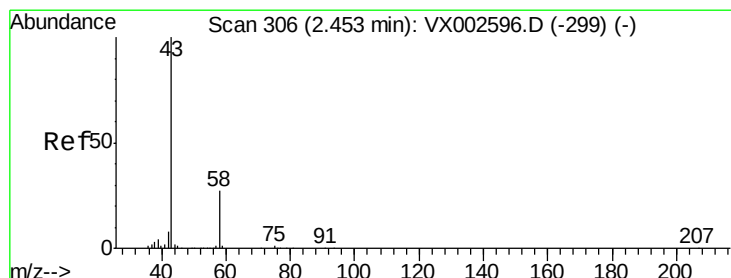
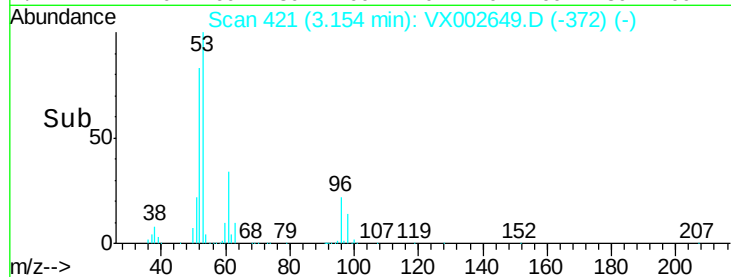
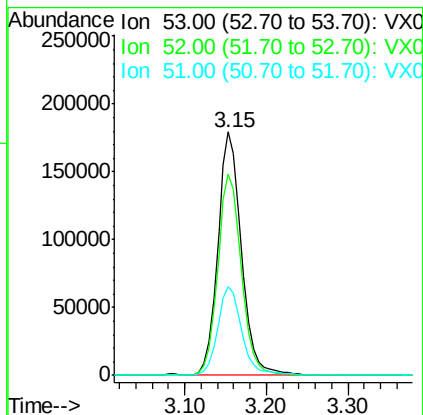
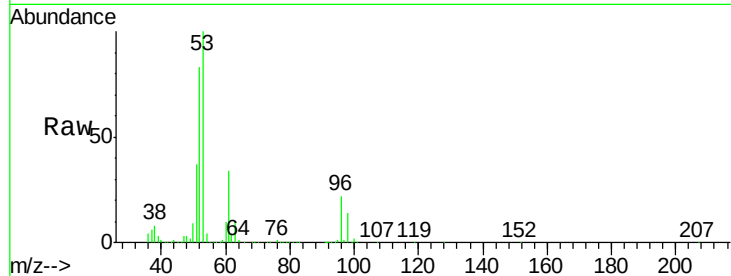
Tot Ion: 53 Resp: 358494

Ion Ratio Lower Upper

53 100

52 83.8 66.7 100.1

51 37.3 29.9 44.9



#16

Acetone

Concen: 310.89 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002649.D

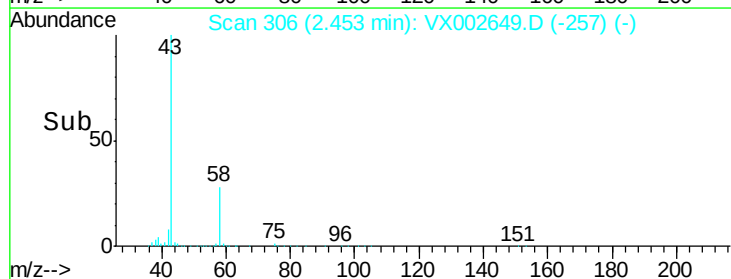
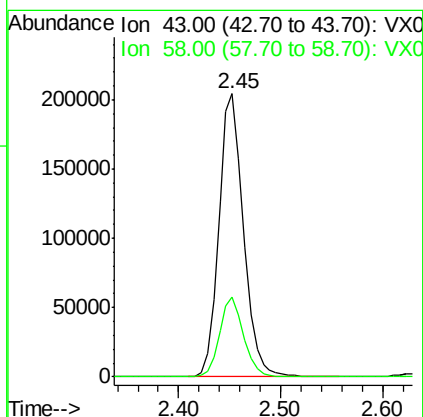
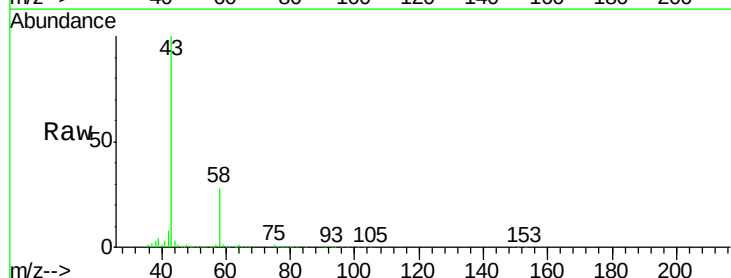
Acq: 16 Jun 2018 15:34

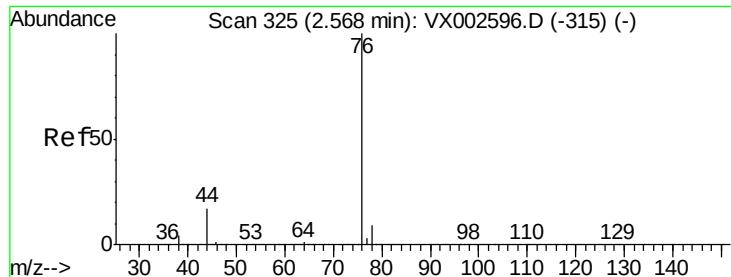
Tgt Ion: 43 Resp: 341934

Ion Ratio Lower Upper

43 100

58 28.2 22.1 33.1

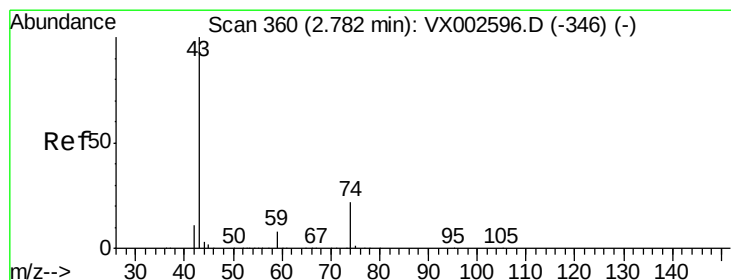
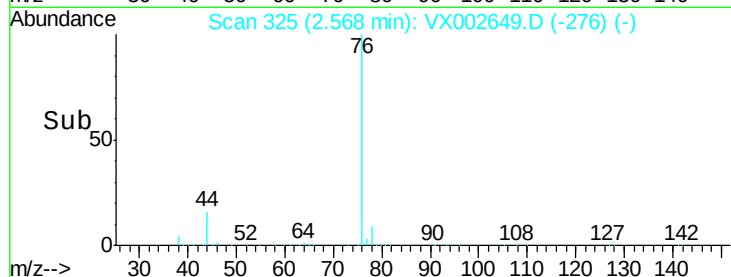
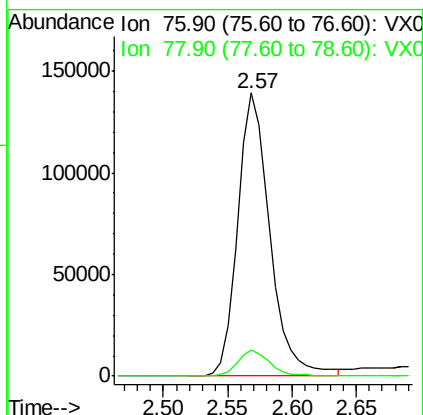
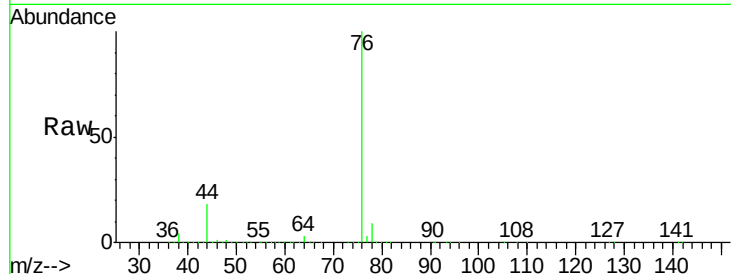




#17
Carbon Disulfide
Concen: 55.51 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

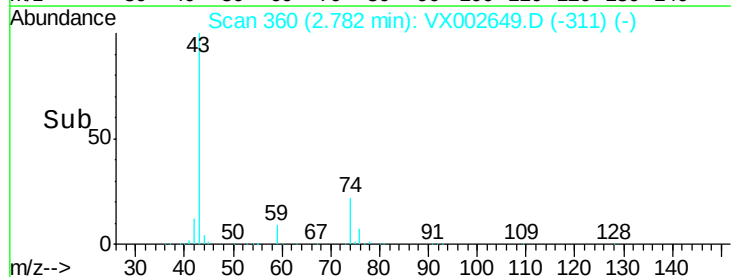
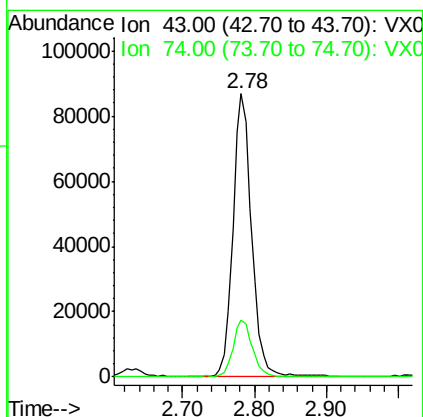
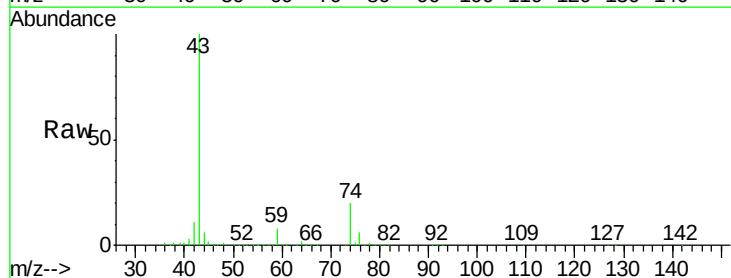
Instrument :
MSVOA_X
ClientSampleId :

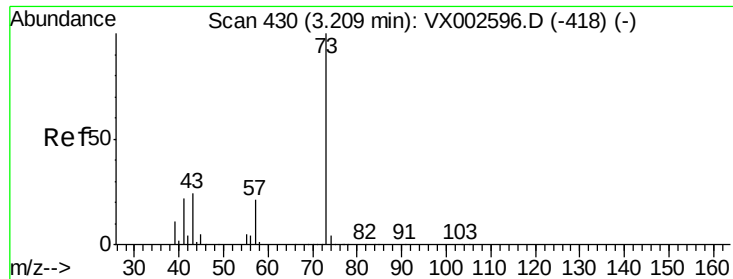
Tot Ion: 76 Resp: 241337
Ion Ratio Lower Upper
76 100
78 9.1 6.9 10.3



#18
Methyl Acetate
Concen: 53.04 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

Tgt Ion: 43 Resp: 155402
Ion Ratio Lower Upper
43 100
74 20.4 16.7 25.1

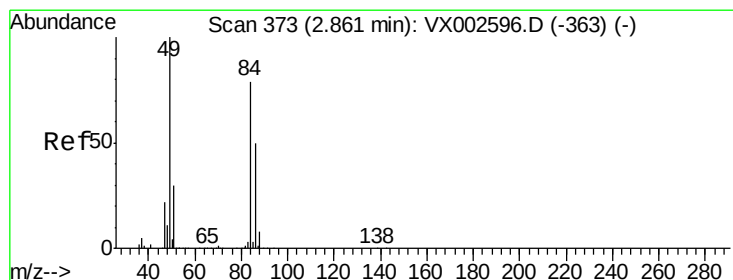
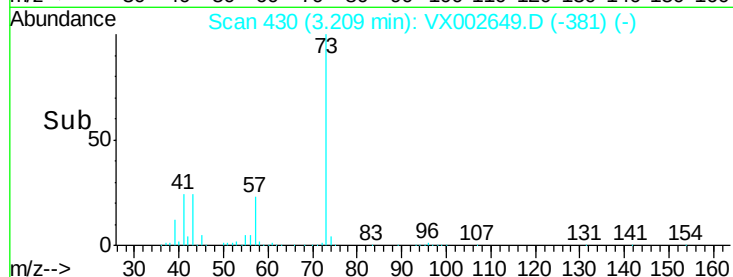
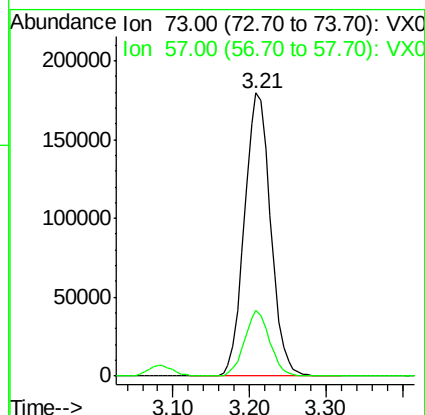
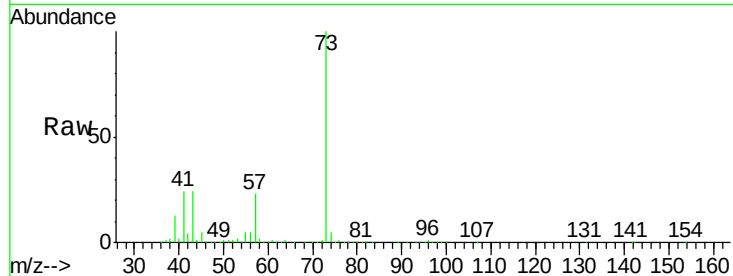




#19
Methyl tert-butyl Ether
Concen: 62.10 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

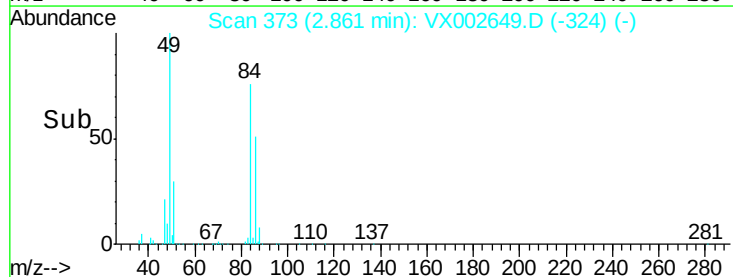
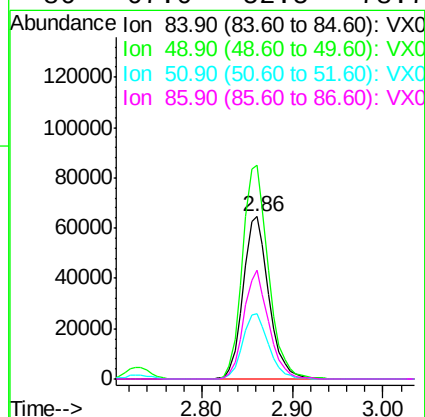
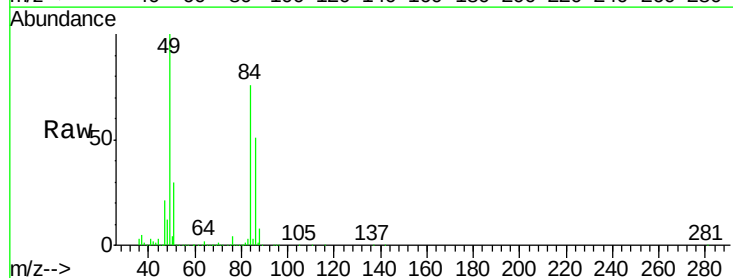
Instrument :
MSVOA_X
ClientSampled :

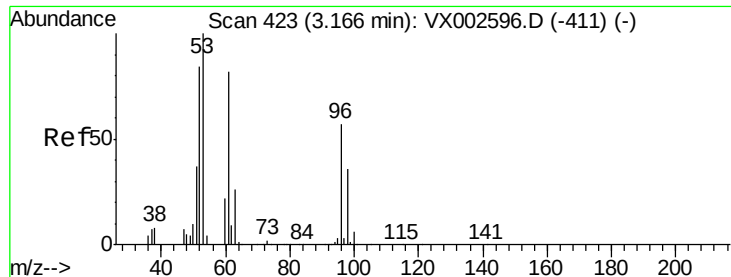
Tot Ion: 73 Resp: 427000
Ion Ratio Lower Upper
73 100
57 23.3 17.7 26.5



#20
Methylene Chloride
Concen: 56.24 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

Tgt Ion: 84 Resp: 126821
Ion Ratio Lower Upper
84 100
49 131.3 107.8 161.6
51 39.7 32.8 49.2
86 67.0 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 56.98 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

ClientSampled :

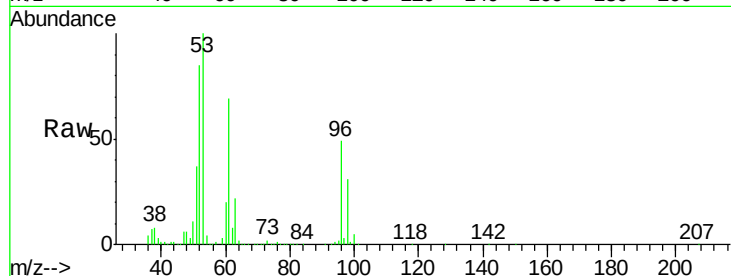
Tot Ion: 96 Resp: 113305

Ion Ratio Lower Upper

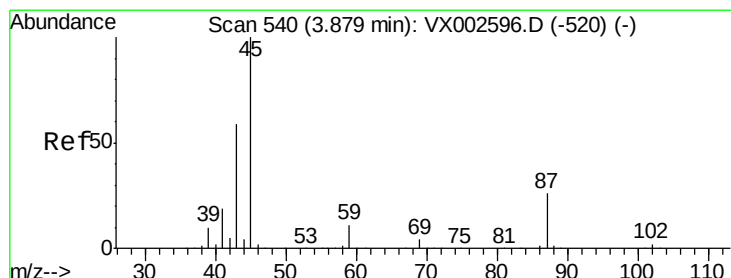
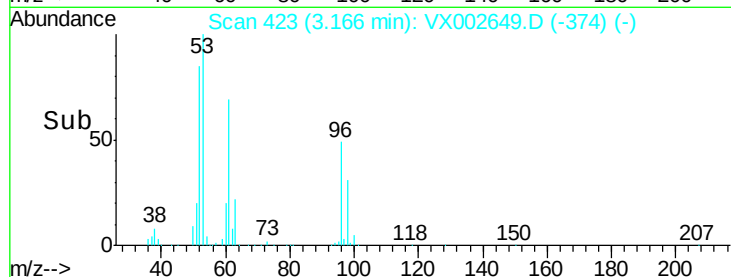
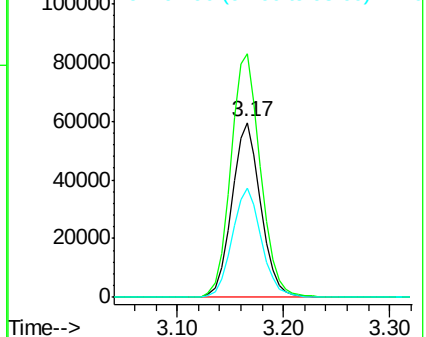
96 100

61 139.1 117.0 175.4

98 62.2 52.4 78.6



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: 59.95 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Tgt Ion: 45 Resp: 394744

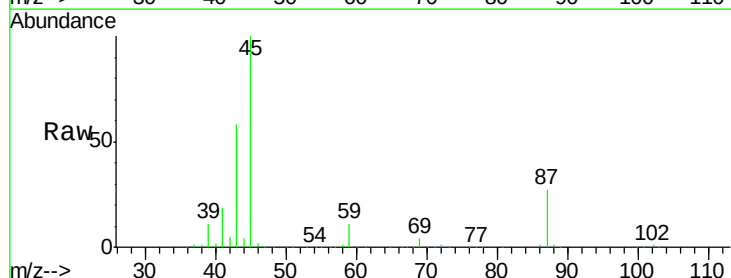
Ion Ratio Lower Upper

45 100

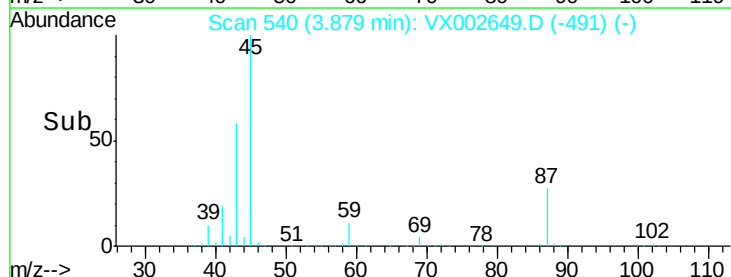
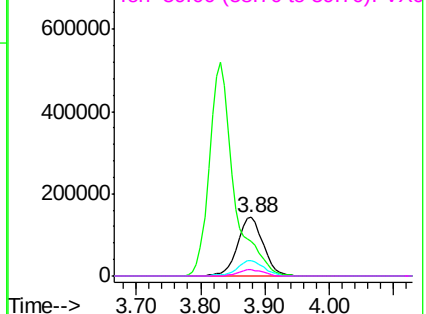
43 57.8 46.8 70.2

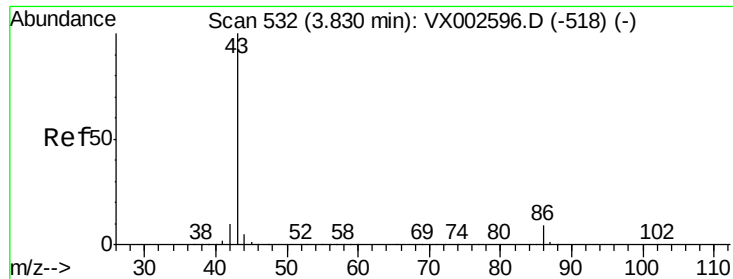
87 27.0 20.2 30.4

59 11.3 8.7 13.1



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: 250.53 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

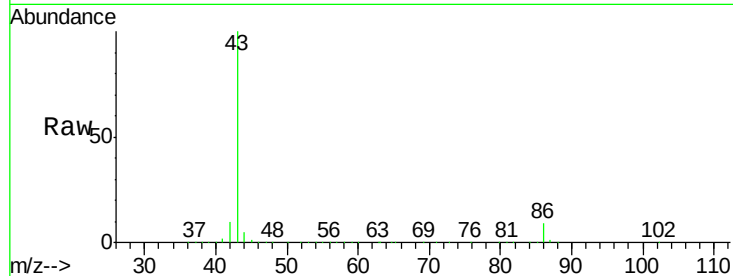
ClientSampled :

Tot Ion: 43 Resp: 1380699

Ion Ratio Lower Upper

43 100

86 9.4 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.83

600000

500000

400000

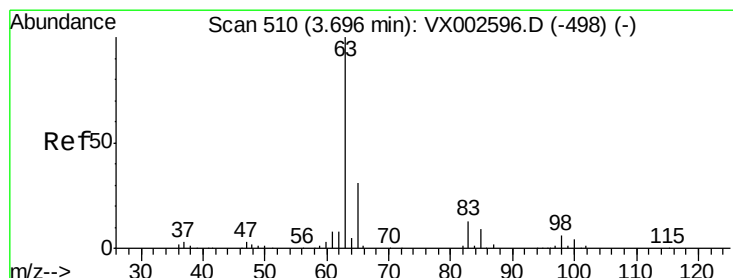
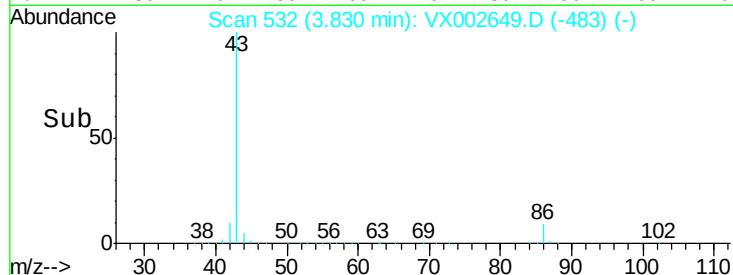
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 56.17 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

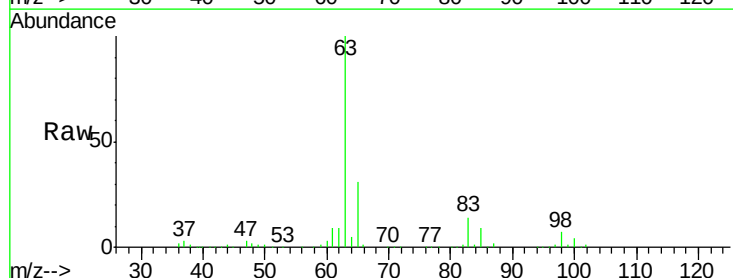
Tgt Ion: 63 Resp: 200732

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.2

100 4.1 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

100000

80000

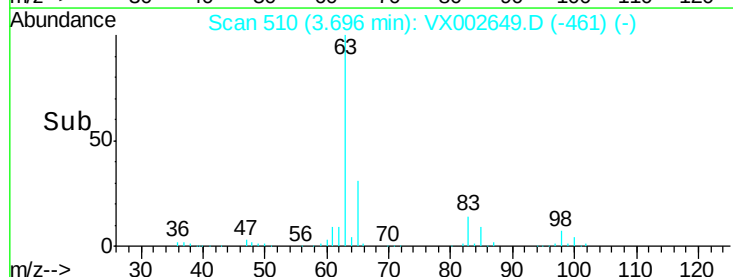
60000

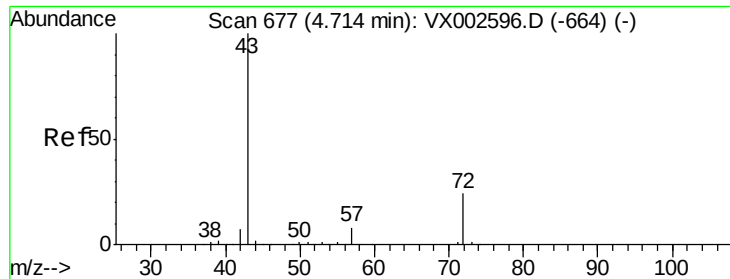
40000

20000

0

Time-->





#25

2-Butanone

Concen: 321.44 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

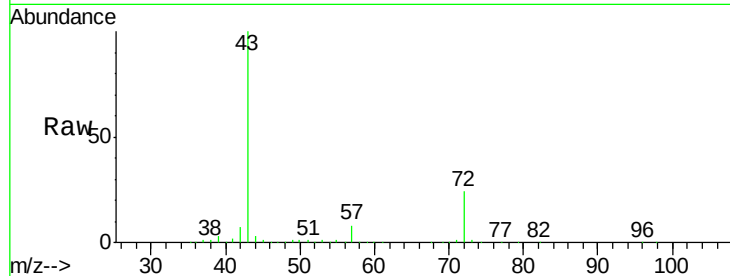
ClientSampleId :

Tot Ion: 43 Resp: 464280

Ion Ratio Lower Upper

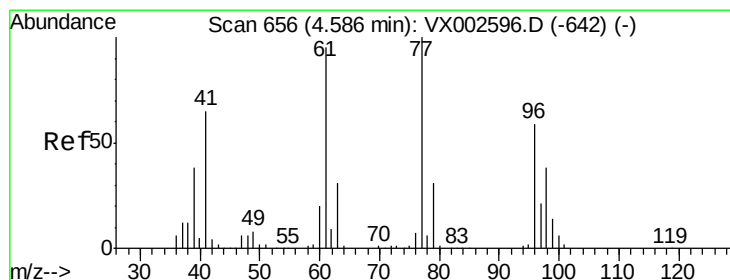
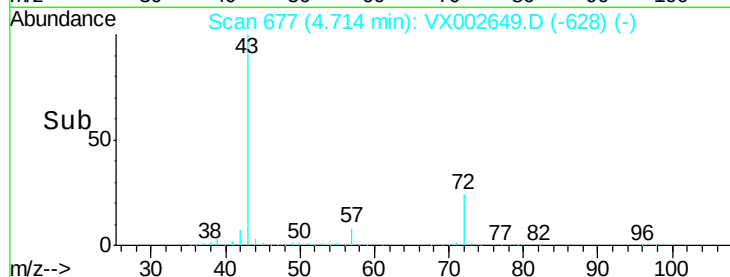
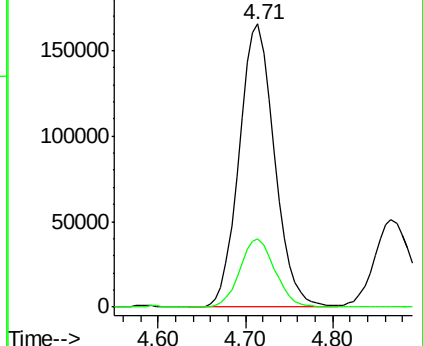
43 100

72 24.1 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 29.18 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX002649.D

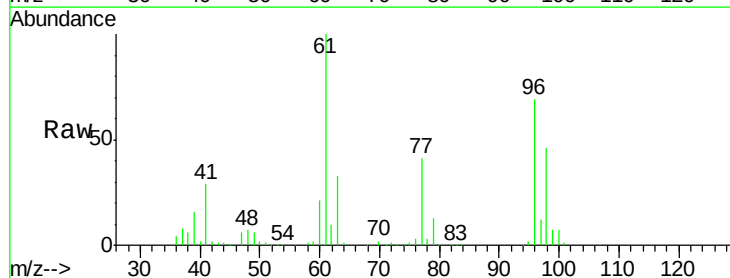
Acq: 16 Jun 2018 15:34

Tgt Ion: 77 Resp: 74939

Ion Ratio Lower Upper

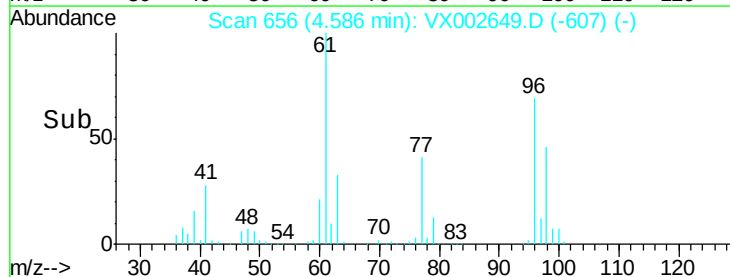
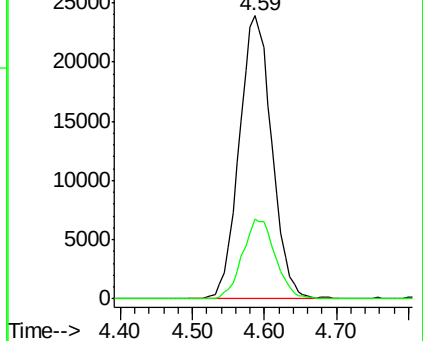
77 100

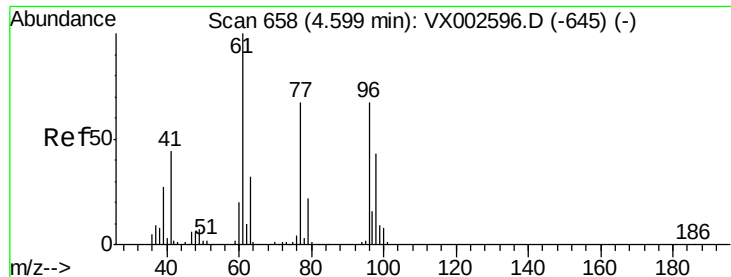
97 28.4 11.2 33.5



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: 78.74 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

ClientSampled :

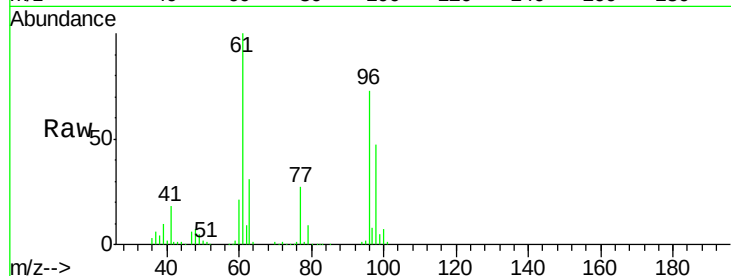
Tot Ion: 96 Resp: 159314

Ion Ratio Lower Upper

96 100

61 141.0 0.0 330.2

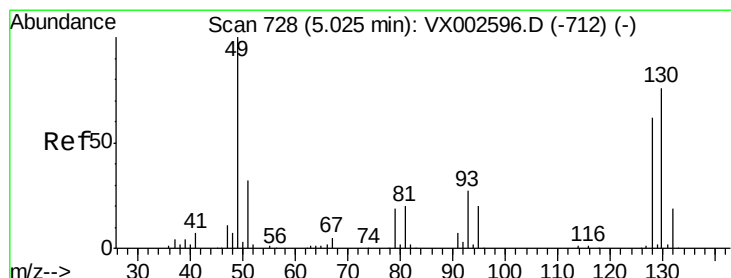
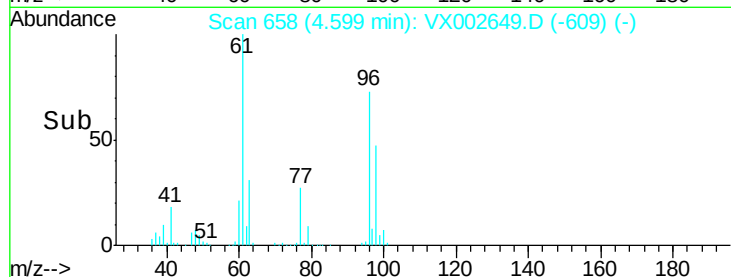
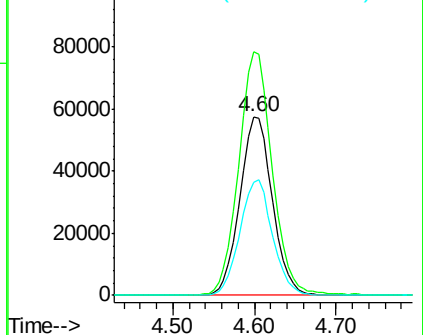
98 64.7 0.0 130.2



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: 64.50 ug/l

RT: 5.03 min Scan# 728

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

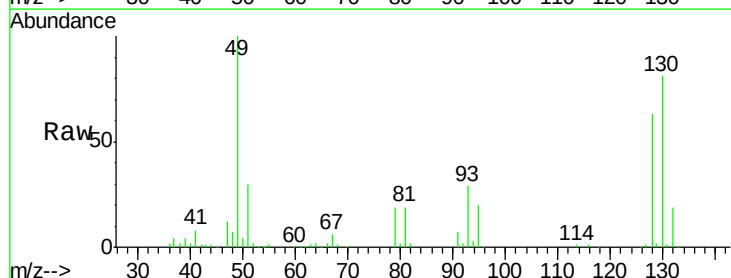
Tgt Ion: 49 Resp: 107959

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.2

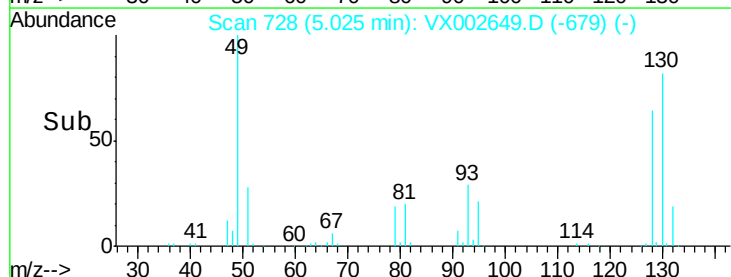
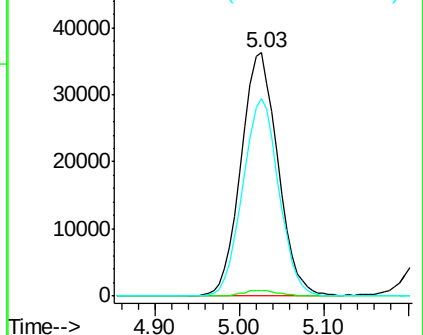
130 79.3 61.2 91.8

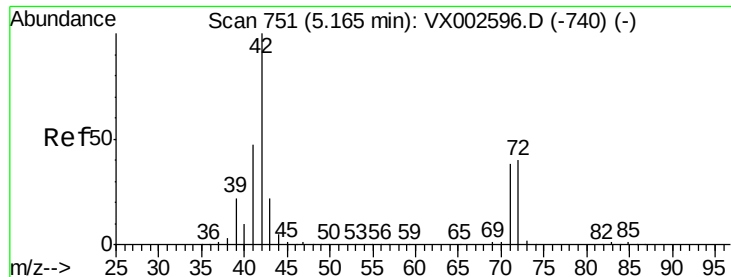


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

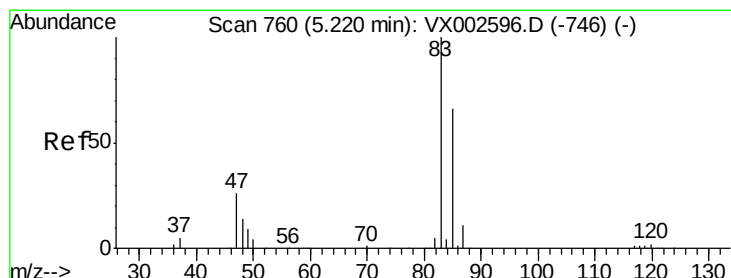
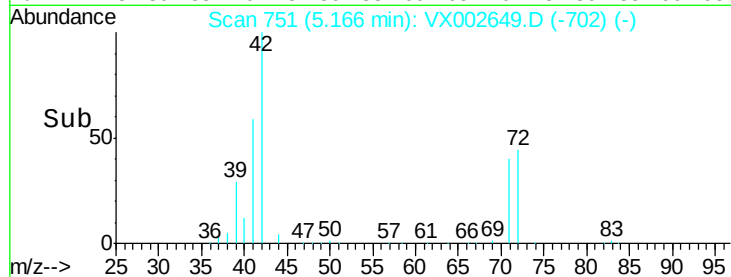
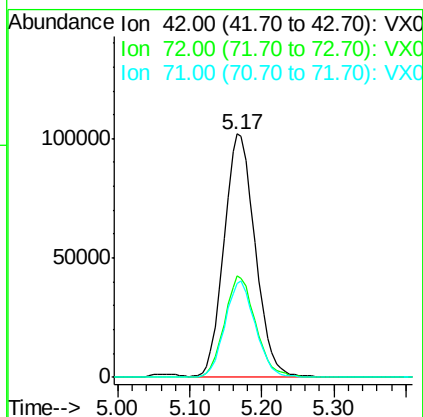
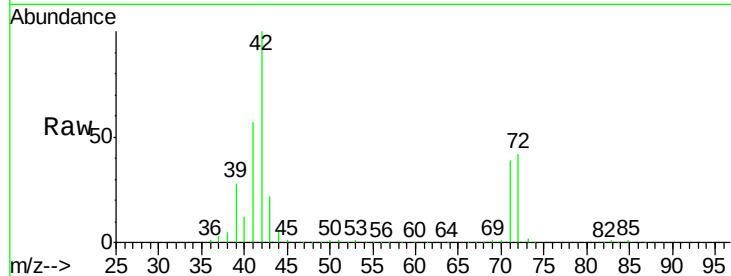




#29
Tetrahydrofuran
Concen: 321.90 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

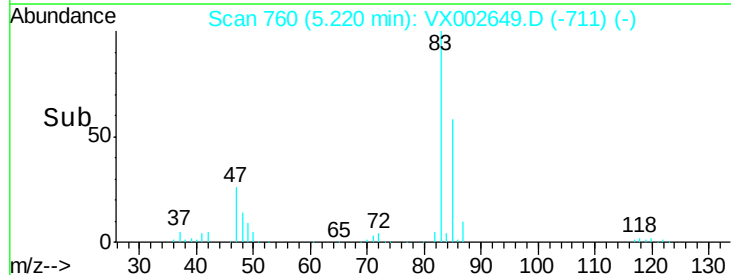
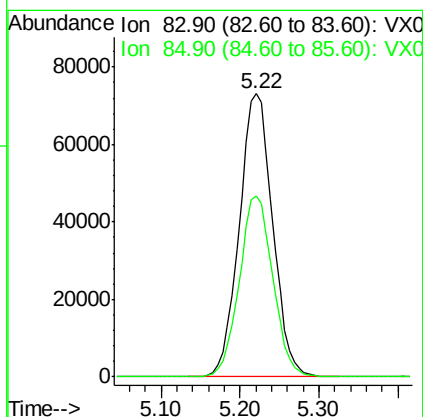
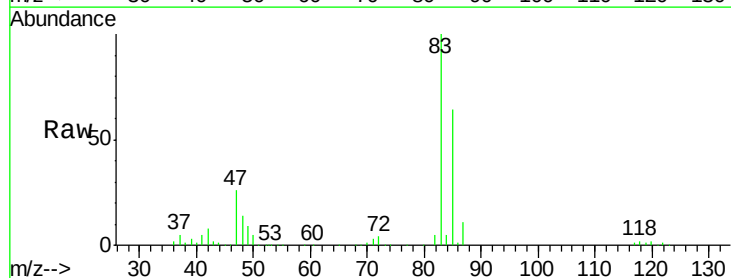
Instrument :
MSVOA_X
ClientSampleId :

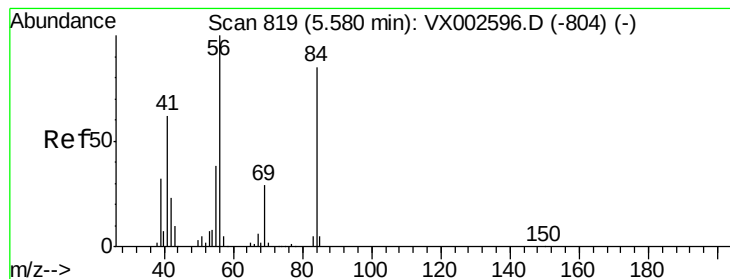
Tot Ion: 42 Resp: 304715
Ion Ratio Lower Upper
42 100
72 41.8 32.0 48.0
71 38.9 30.1 45.1



#30
Chloroform
Concen: 62.35 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

Tgt Ion: 83 Resp: 214883
Ion Ratio Lower Upper
83 100
85 64.2 50.4 75.6





#31

Cyclohexane

Concen: 38.90 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

ClientSampleId :

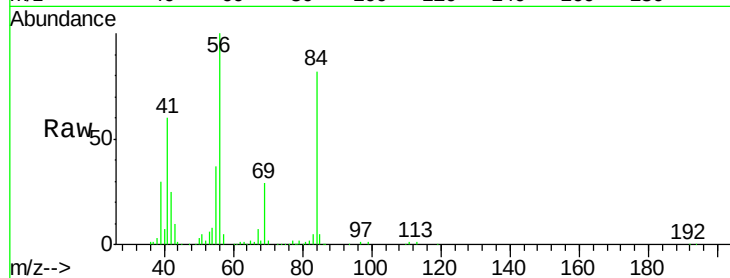
Tot Ion: 56 Resp: 114455

Ion Ratio Lower Upper

56 100

69 28.8 23.7 35.5

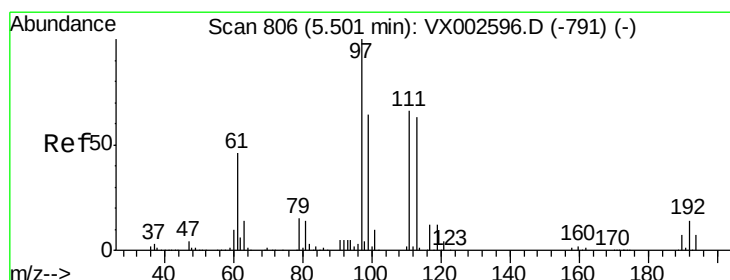
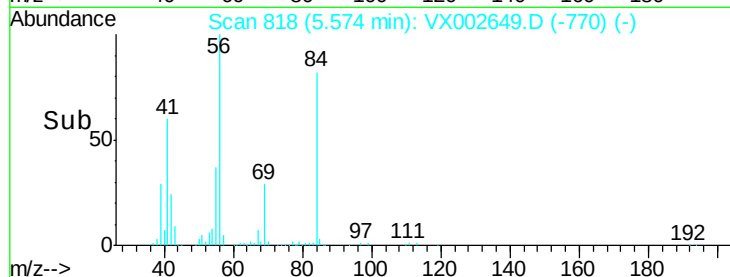
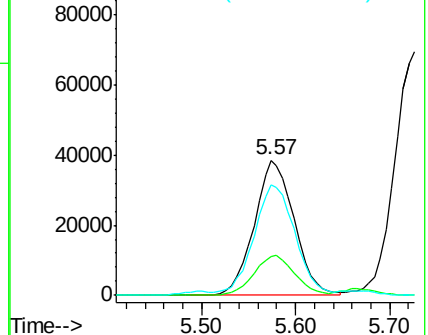
84 79.4 64.1 96.1



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: 57.04 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

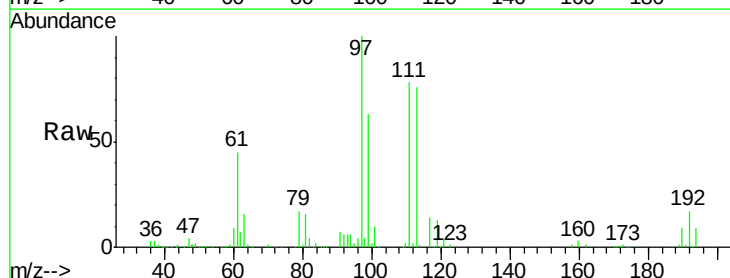
Tgt Ion: 97 Resp: 164403

Ion Ratio Lower Upper

97 100

99 63.7 51.6 77.4

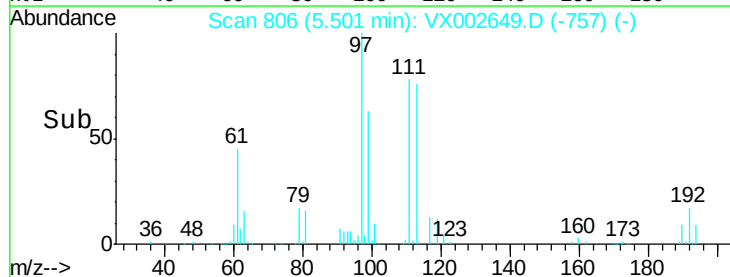
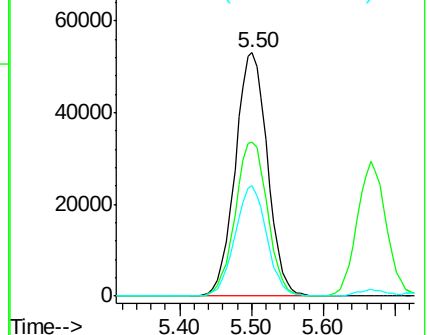
61 44.7 36.4 54.6

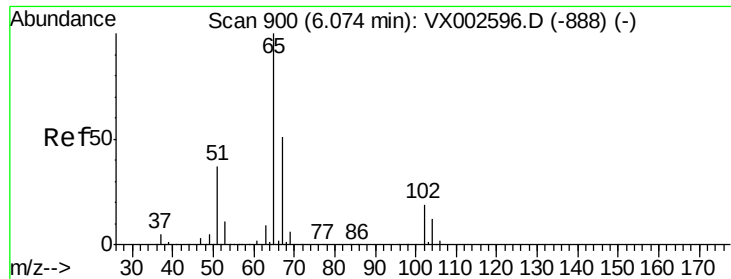


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

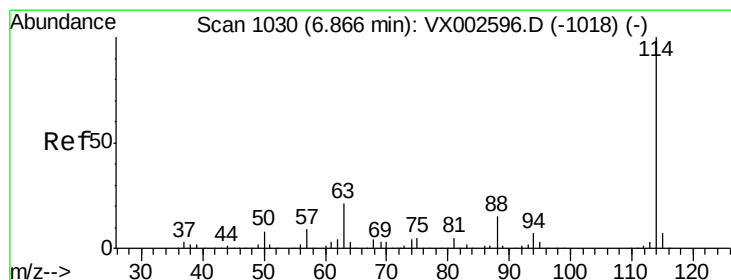
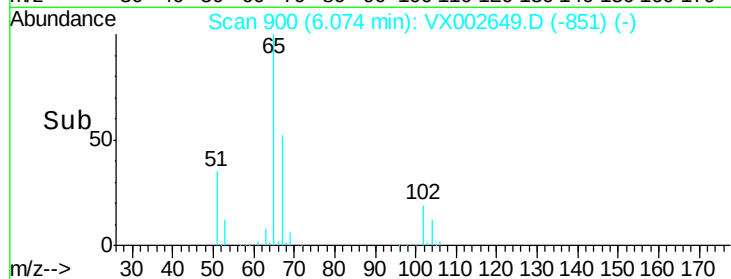
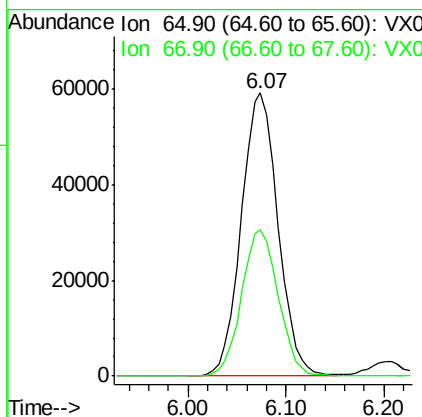
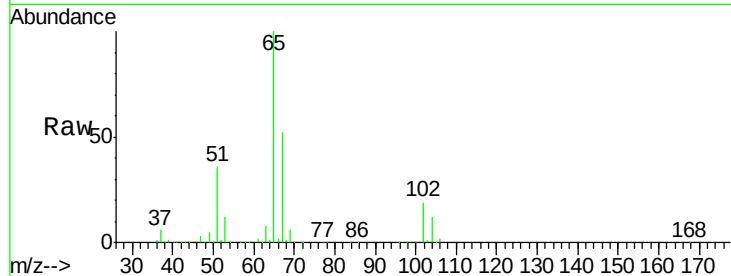




#33
 1,2-Dichloroethane-d4
 Concen: 61.92 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002649.D
 Acq: 16 Jun 2018 15:34

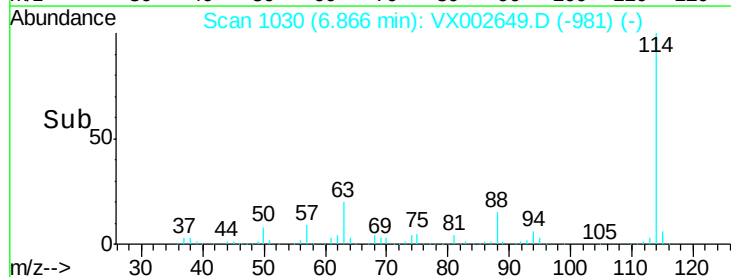
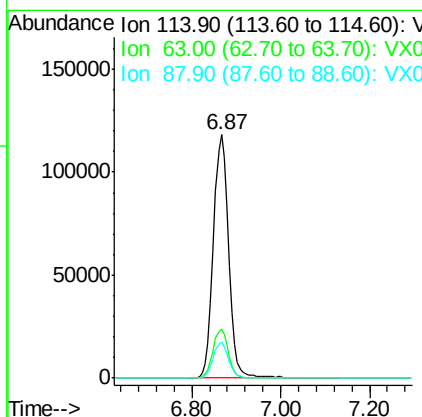
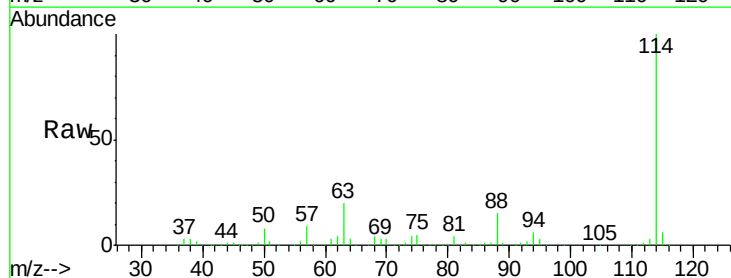
Instrument :
 MSVOA_X
 ClientSampleId :

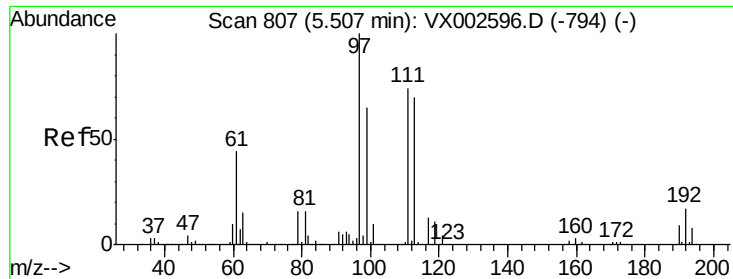
Tot Ion: 65 Resp: 154357
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002649.D
 Acq: 16 Jun 2018 15:34

Tgt Ion: 114 Resp: 281637
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.4
 88 15.1 0.0 30.0





#35

Dibromofluoromethane

Concen: 53.81 ug/l

RT: 5.51 min Scan# 807

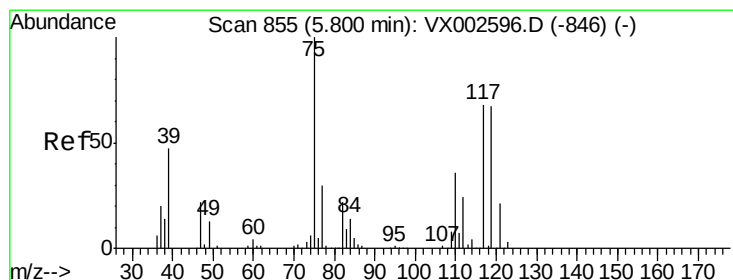
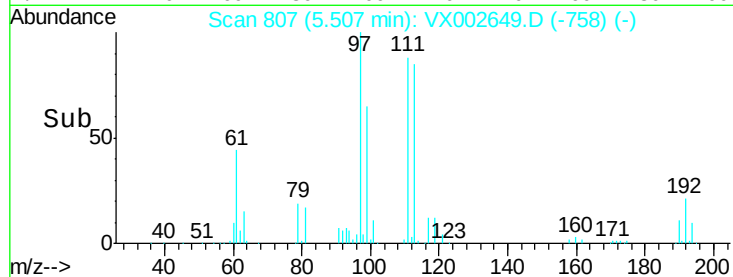
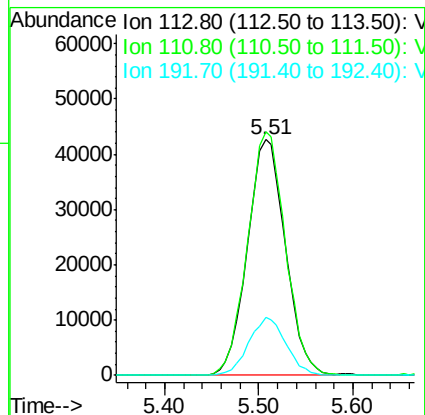
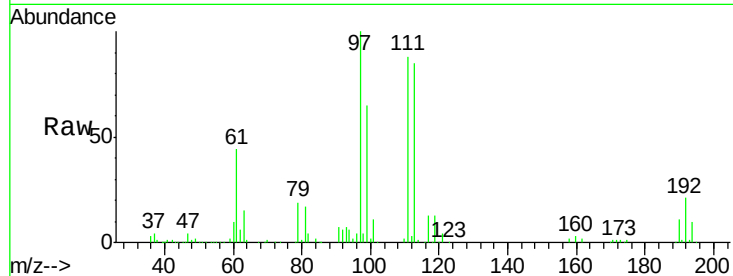
Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	113	Resp:	120950
Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.4	122.0
192	24.0	19.1	28.7



#36

1,1-Dichloropropene

Concen: 42.22 ug/l

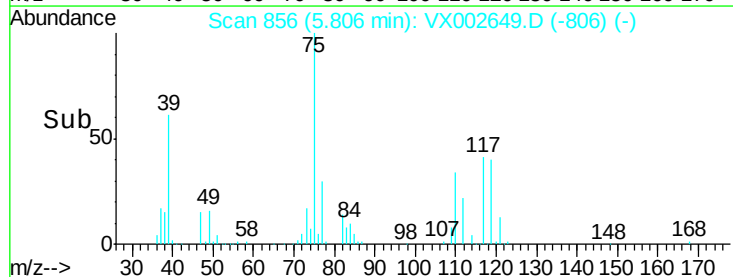
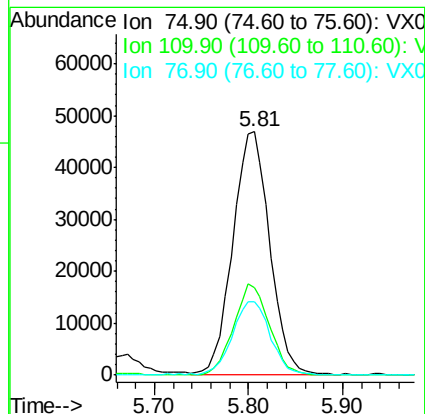
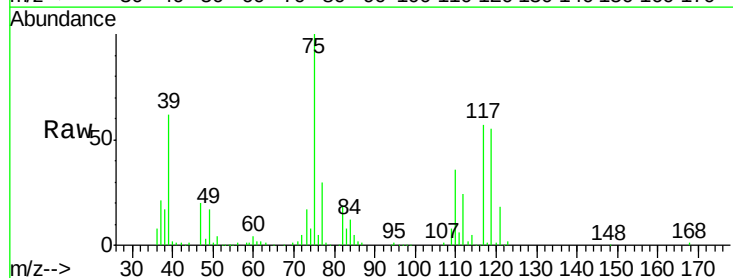
RT: 5.81 min Scan# 855

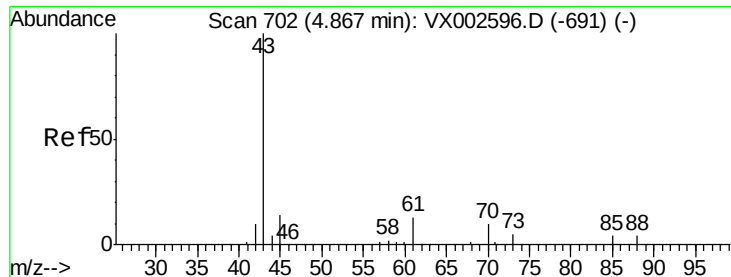
Delta R.T. 0.01 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Tgt Ion:	75	Resp:	126300
Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.1	54.4
77	31.1	24.3	36.5

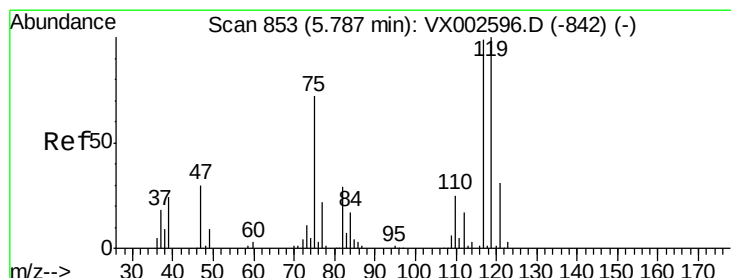
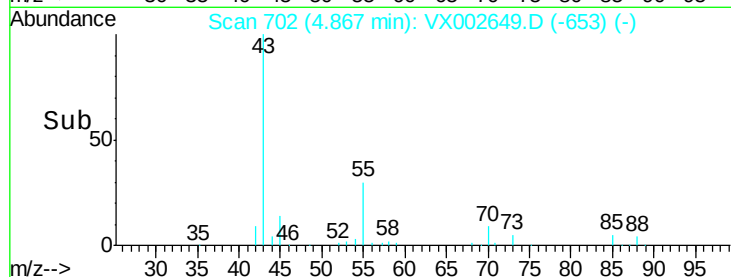
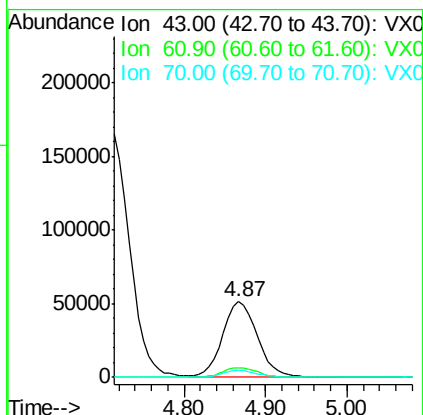
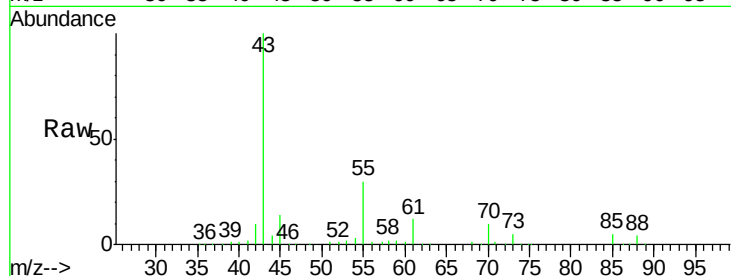




#37
Ethyl Acetate
Concen: 44.38 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

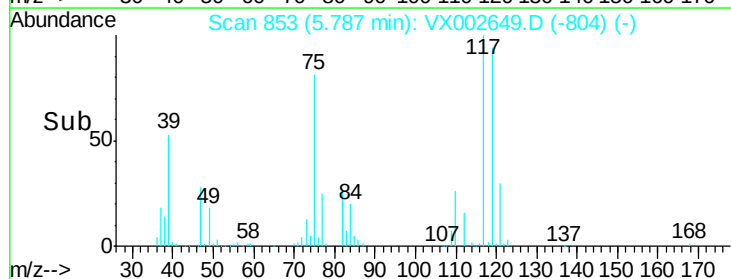
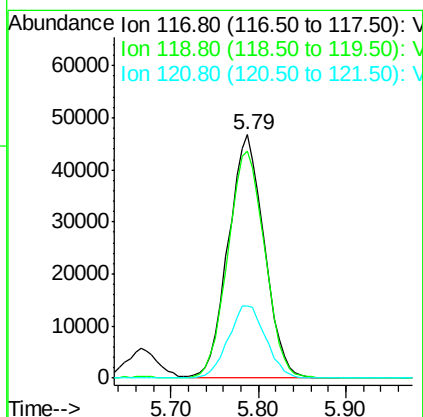
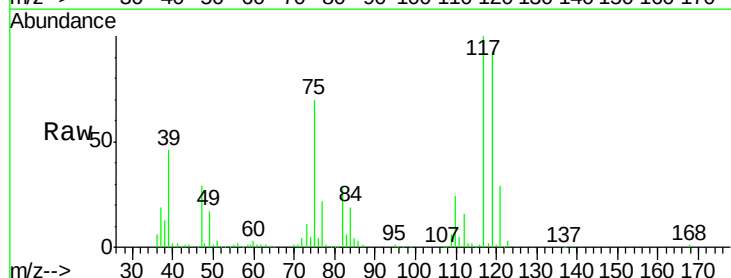
Instrument :
MSVOA_X
ClientSampled :

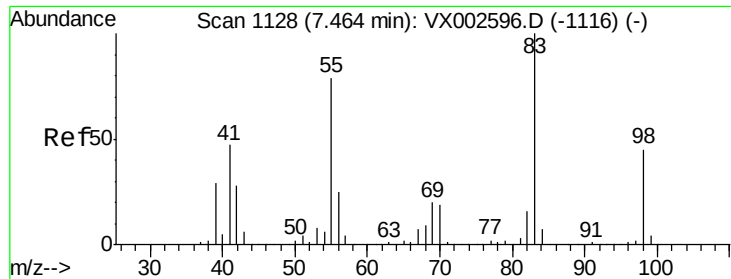
Tot Ion: 43 Resp: 150241
Ion Ratio Lower Upper
43 100
61 13.4 10.4 15.6
70 9.6 7.6 11.4



#38
Carbon Tetrachloride
Concen: 44.82 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

Tgt Ion: 117 Resp: 133497
Ion Ratio Lower Upper
117 100
119 93.1 77.4 116.0
121 29.4 24.4 36.6

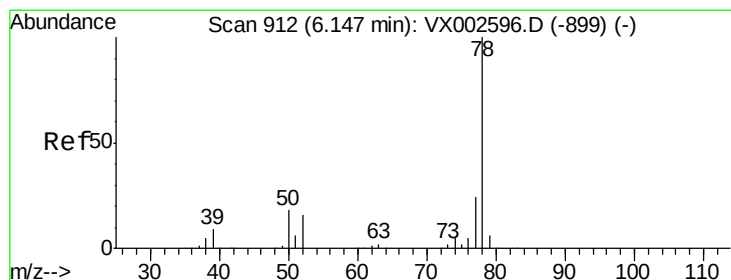
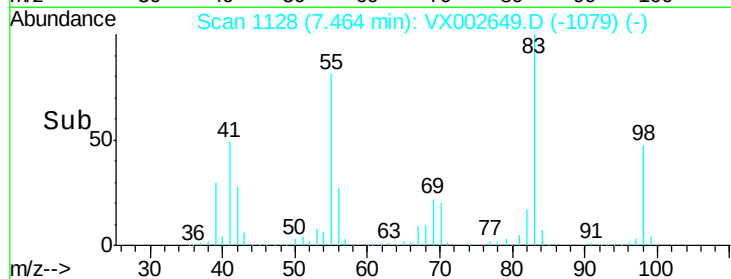
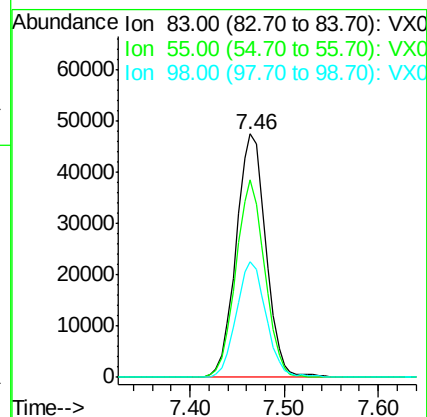
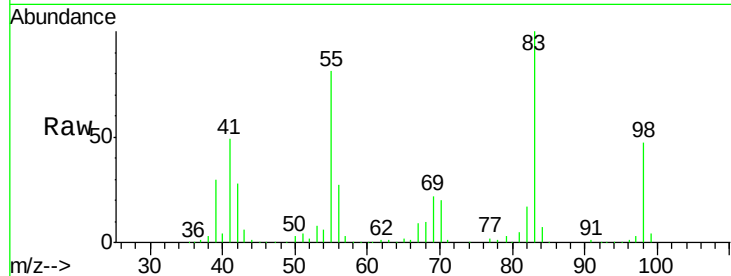




#39
Methvlcvclohexane
Concen: 29.81 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

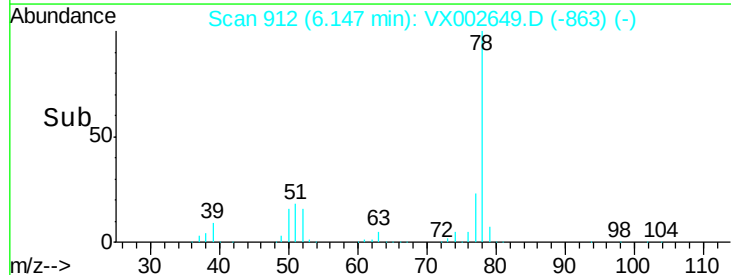
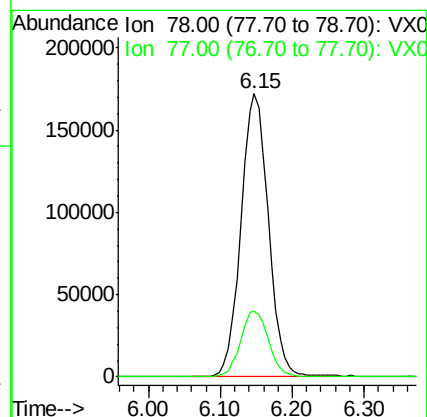
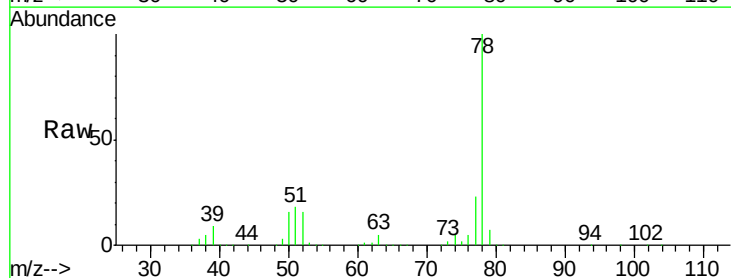
Instrument :
MSVOA_X
ClientSampleId :

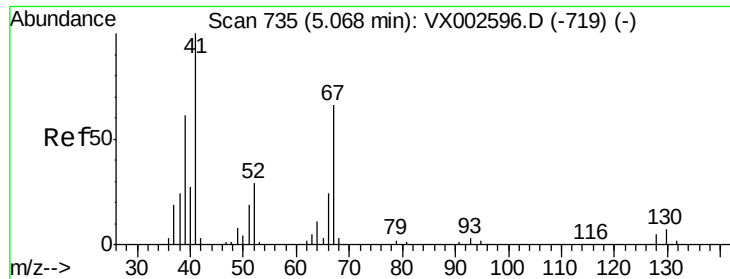
Tot Ion: 83 Resp: 104237
Ion Ratio Lower Upper
83 100
55 80.9 65.4 98.0
98 47.3 37.4 56.0



#40
Benzene
Concen: 50.79 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

Tgt Ion: 78 Resp: 455573
Ion Ratio Lower Upper
78 100
77 23.3 19.1 28.7

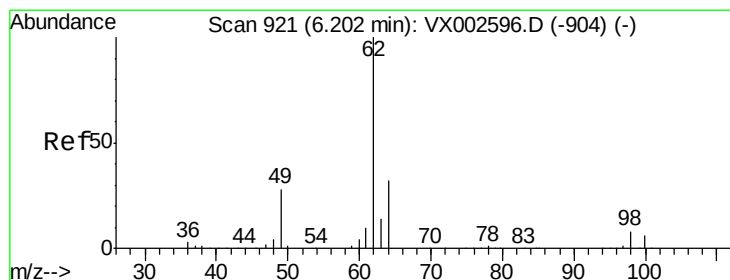
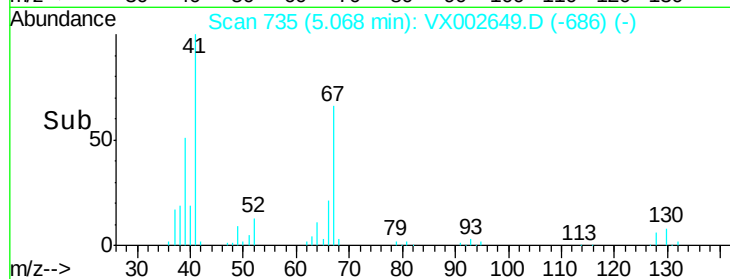
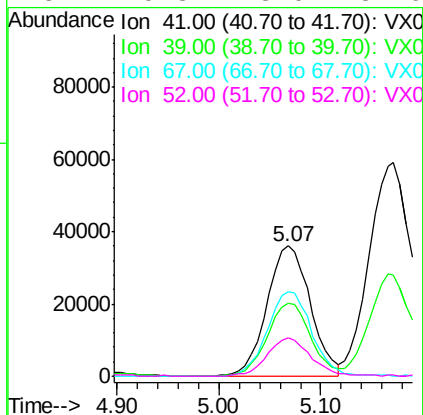
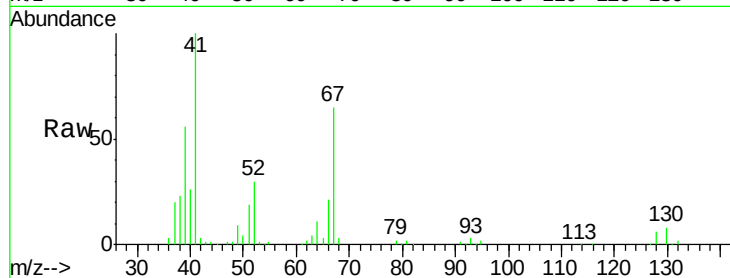




#41
Methacrylonitrile
Concen: 55.72 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

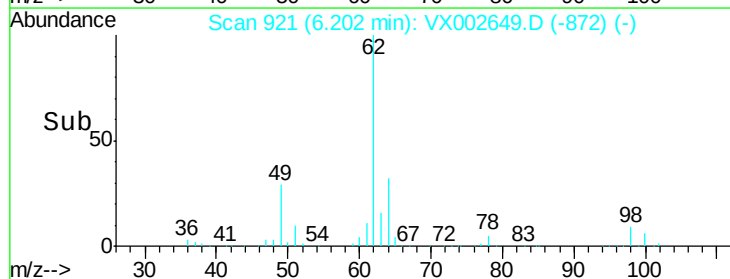
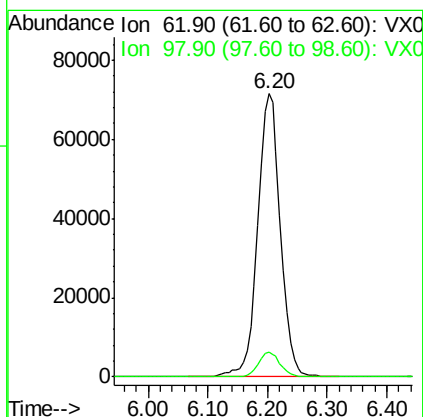
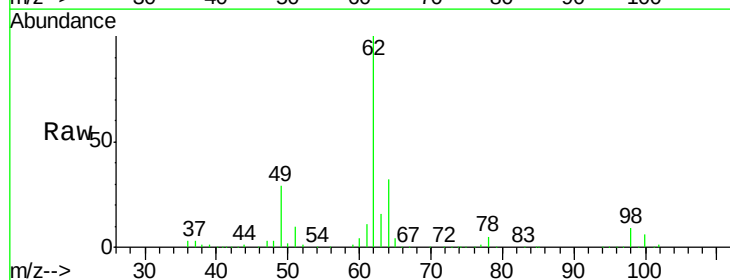
Instrument :
MSVOA_X
ClientSampled :

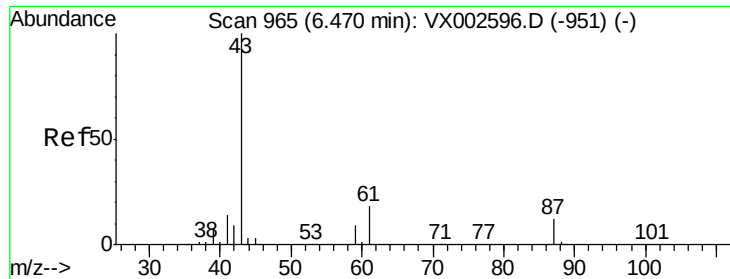
Tot Ion:	41	Resp:	106509
Ion	Ratio	Lower	Upper
41	100		
39	55.6	45.8	68.6
67	66.6	51.3	76.9
52	29.3	23.0	34.6



#42
1,2-Dichloroethane
Concen: 54.36 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

Tgt Ion:	62	Resp:	188773
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.6





#43

Isopropyl Acetate

Concen: 48.11 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

ClientSampled :

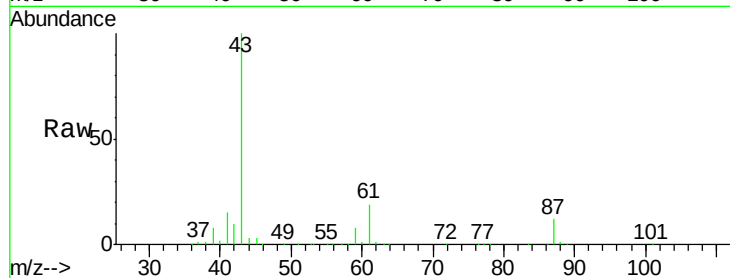
Tot Ion: 43 Resp: 269874

Ion Ratio Lower Upper

43 100

61 18.2 14.4 21.6

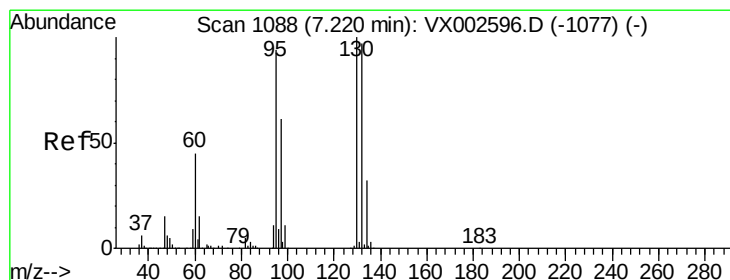
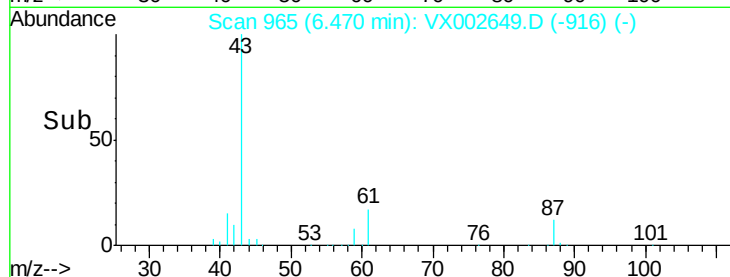
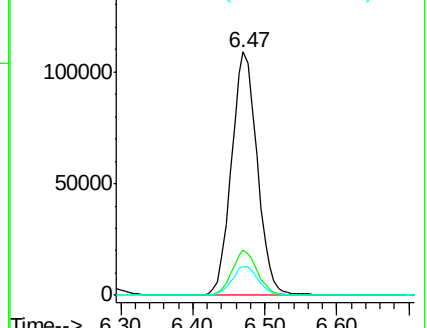
87 12.3 9.5 14.3



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: 46.40 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VX002649.D

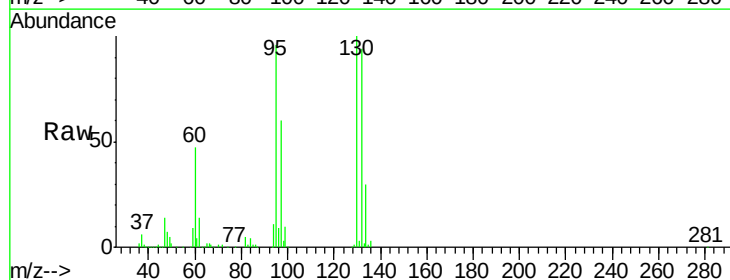
Acq: 16 Jun 2018 15:34

Tgt Ion:130 Resp: 120123

Ion Ratio Lower Upper

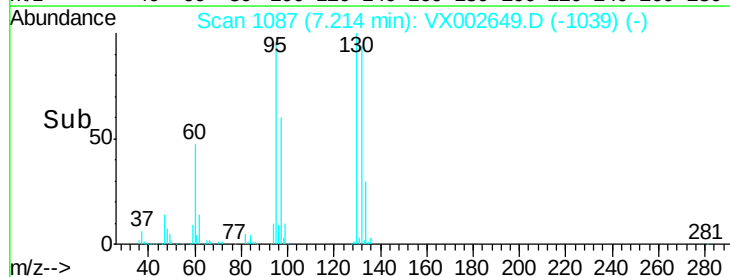
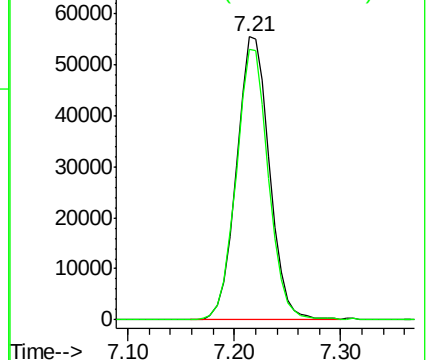
130 100

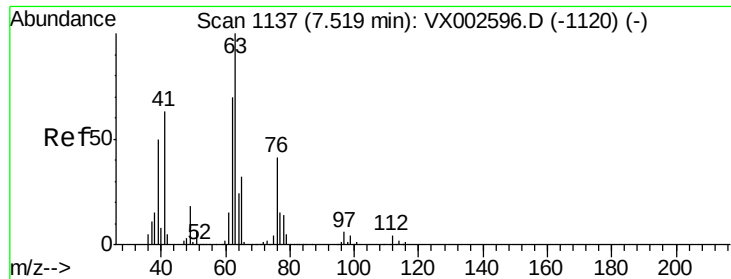
95 95.8 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

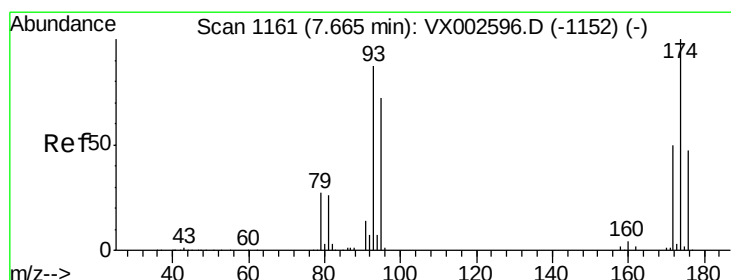
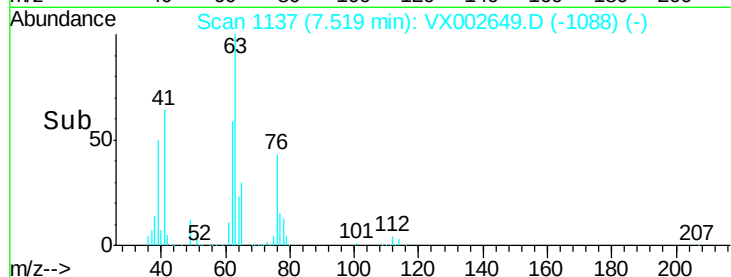
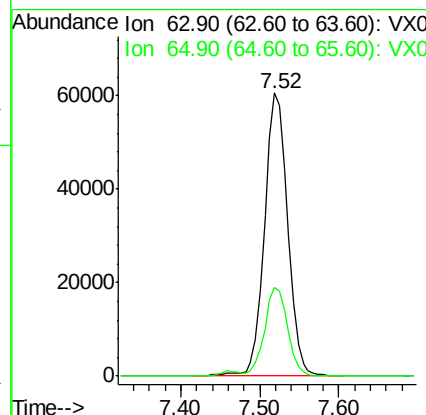
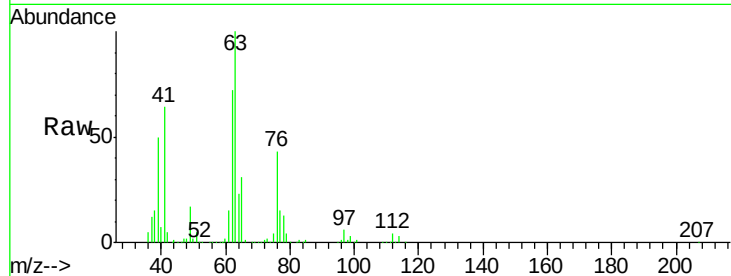




#45
 1,2-Dichloropropane
 Concen: 52.63 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX002649.D
 Acq: 16 Jun 2018 15:34

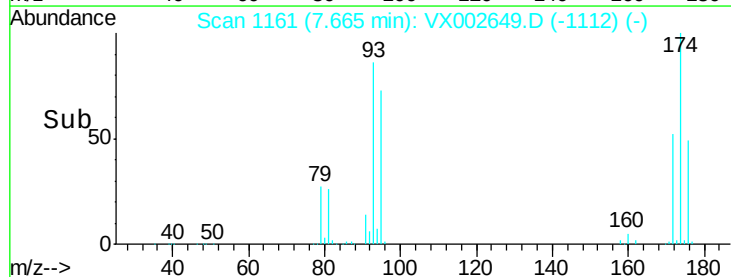
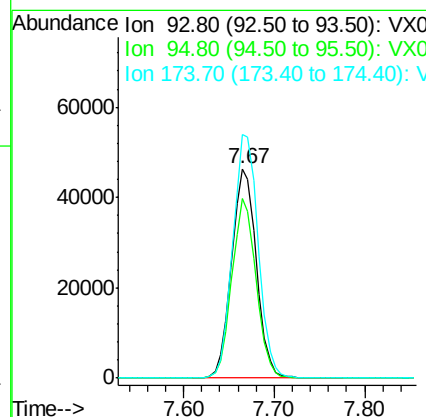
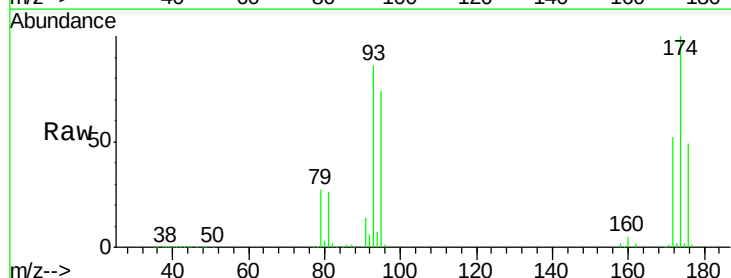
Instrument :
 MSVOA_X
 ClientSampleId :

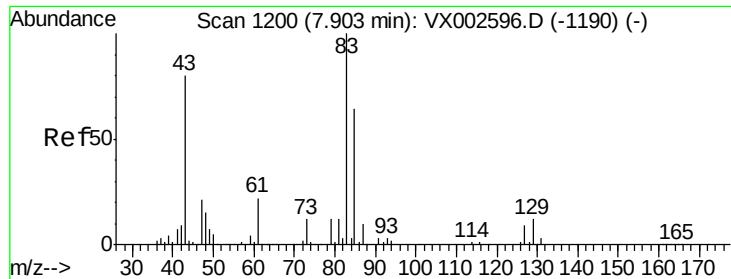
Tot Ion: 63 Resp: 124223
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.7 37.1



#46
 Dibromomethane
 Concen: 55.83 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX002649.D
 Acq: 16 Jun 2018 15:34

Tgt Ion: 93 Resp: 88148
 Ion Ratio Lower Upper
 93 100
 95 83.8 65.9 98.9
 174 119.2 92.4 138.6





#47

Bromodichloromethane

Concen: 57.61 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

ClientSampleId :

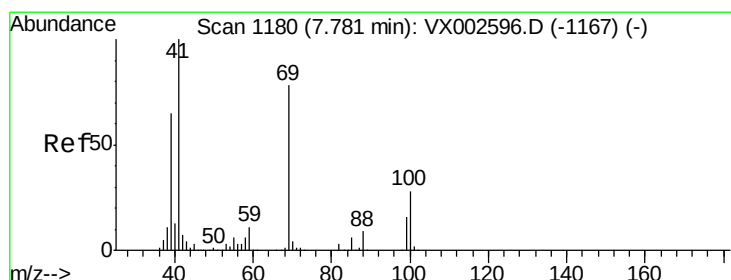
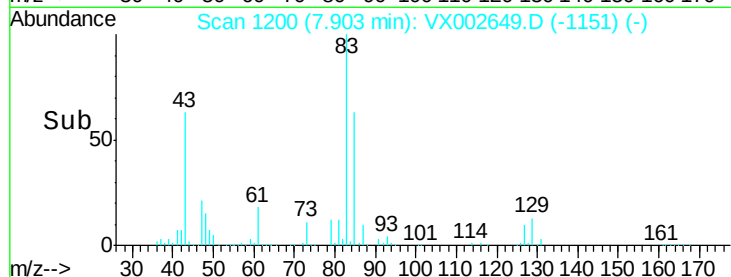
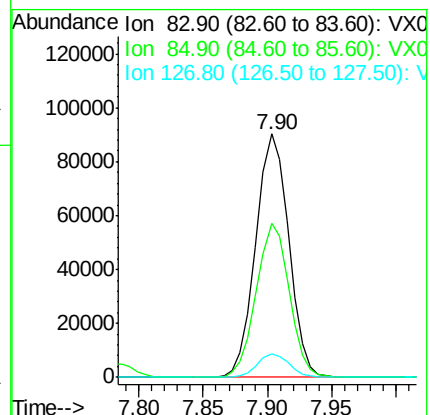
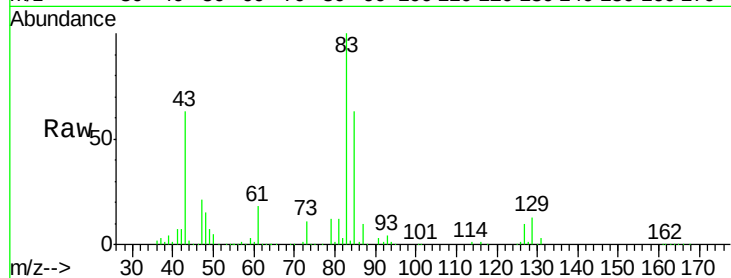
Tot Ion: 83 Resp: 160440

Ion Ratio Lower Upper

83 100

85 63.3 50.3 75.5

127 9.6 7.0 10.4



#48

Methyl methacrylate

Concen: 54.98 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

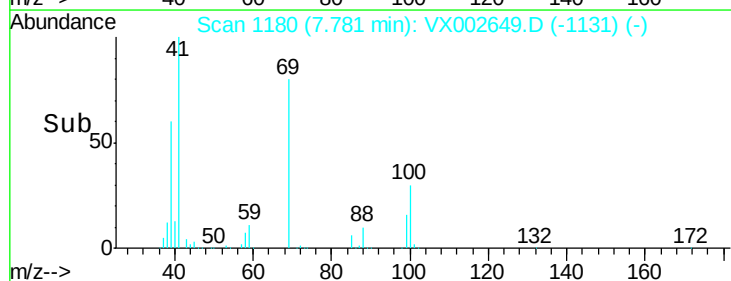
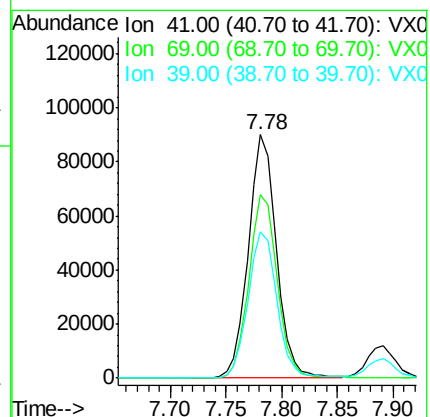
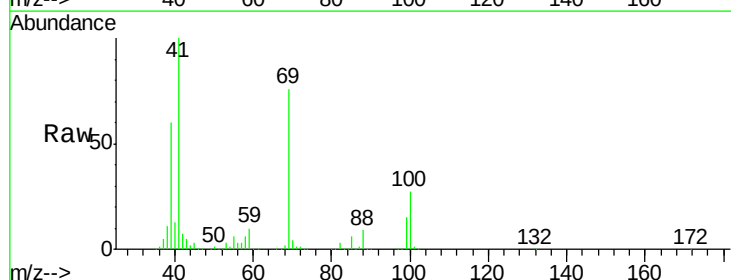
Tgt Ion: 41 Resp: 157595

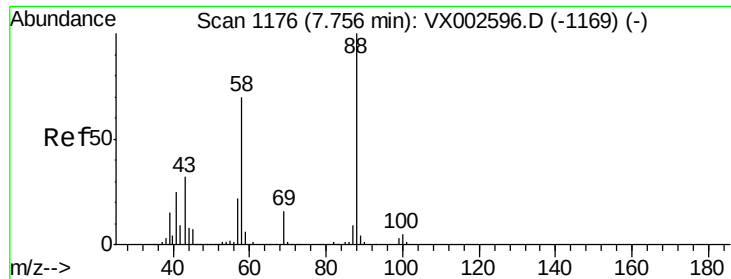
Ion Ratio Lower Upper

41 100

69 77.3 59.1 88.7

39 61.9 48.9 73.3

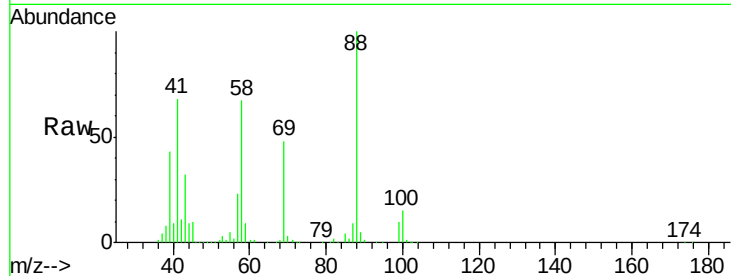




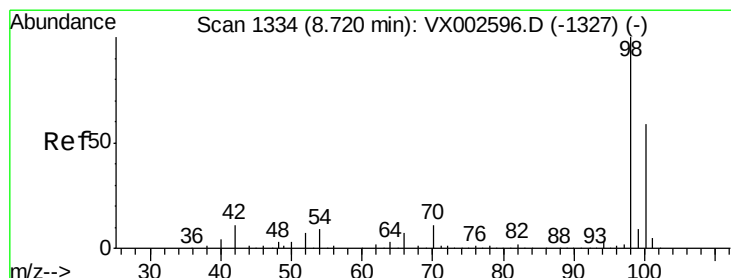
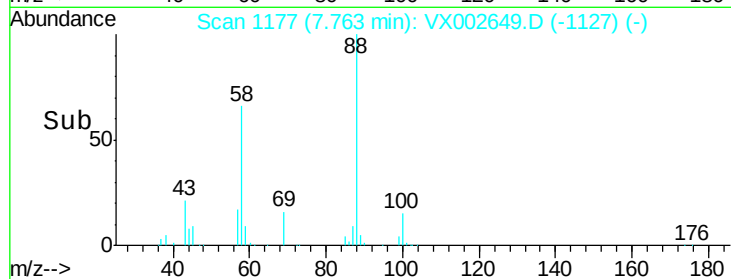
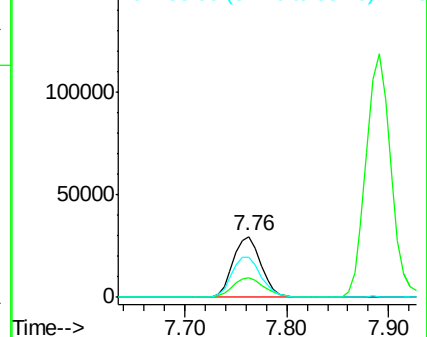
#49
1,4-Dioxane
Concen: 1040.36 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 56474
Ion Ratio Lower Upper
88 100
43 36.8 29.8 44.6
58 70.2 57.1 85.7

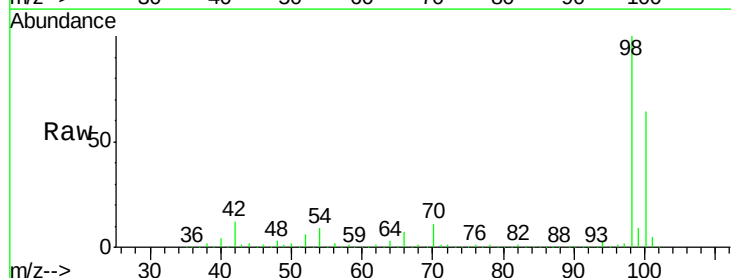


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

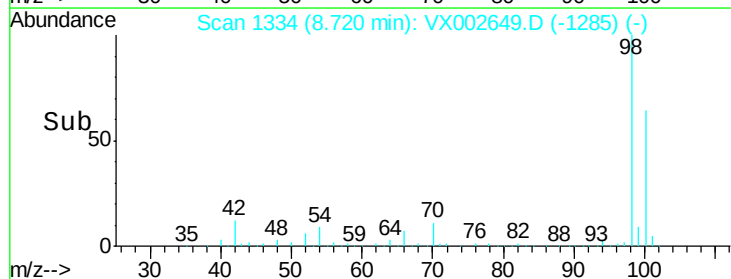
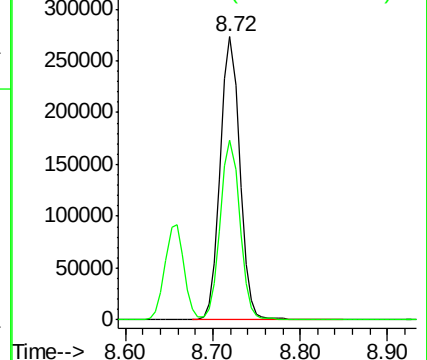


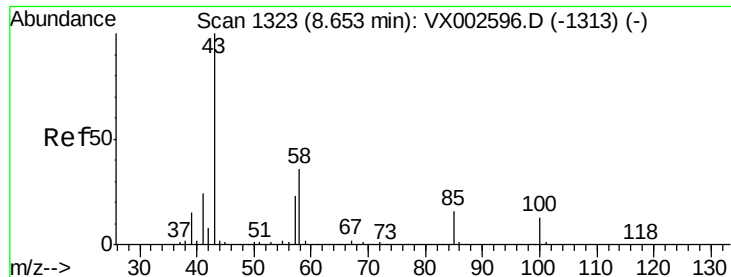
#50
Toluene-d8
Concen: 49.66 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

Tgt Ion: 98 Resp: 423862
Ion Ratio Lower Upper
98 100
100 63.4 50.9 76.3



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





#51

4-Methyl-2-Pentanone

Concen: 277.94 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

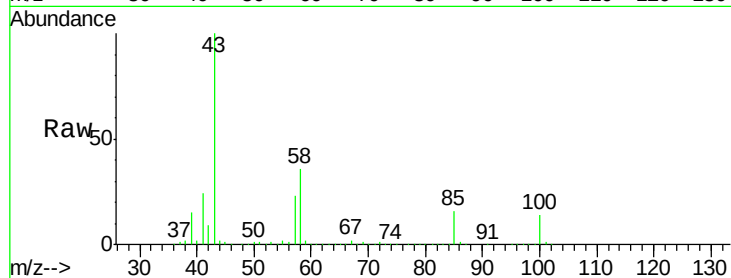
ClientSampled :

Tot Ion: 43 Resp: 1001012

Ion Ratio Lower Upper

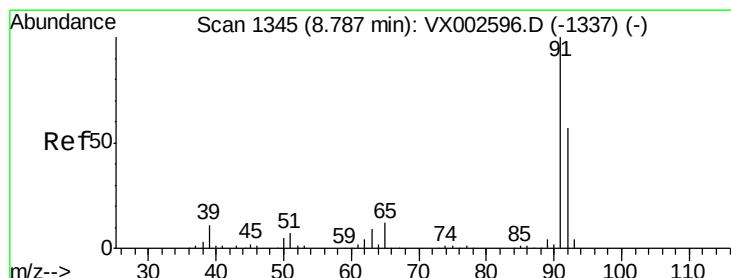
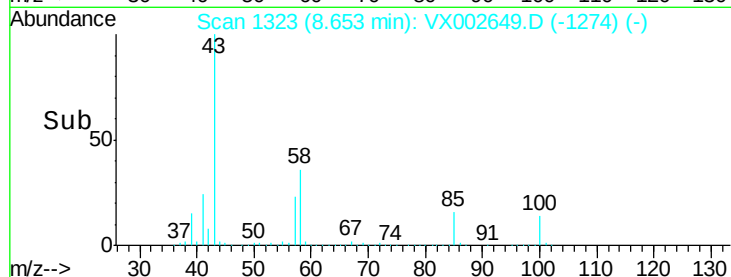
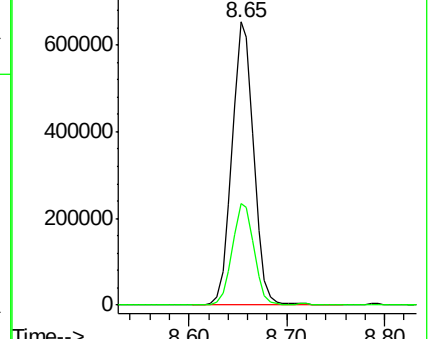
43 100

58 36.0 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 50.10 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX002649.D

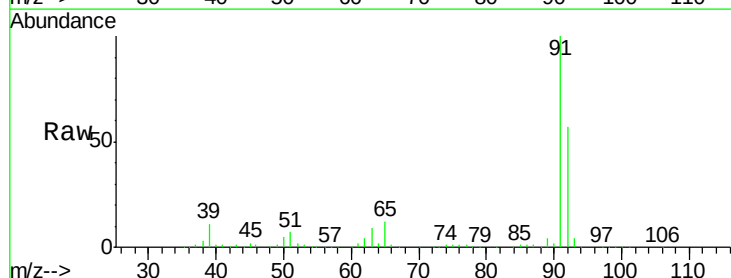
Acq: 16 Jun 2018 15:34

Tgt Ion: 92 Resp: 286611

Ion Ratio Lower Upper

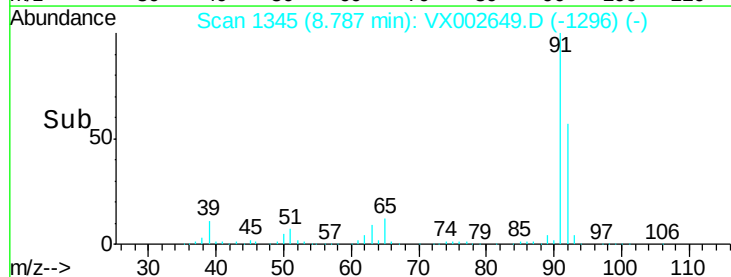
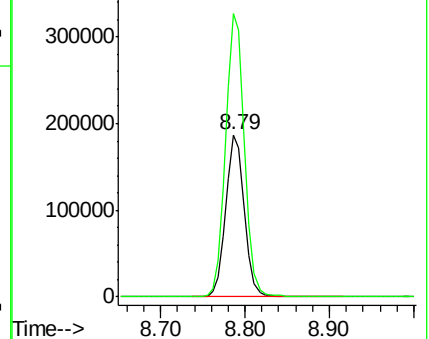
92 100

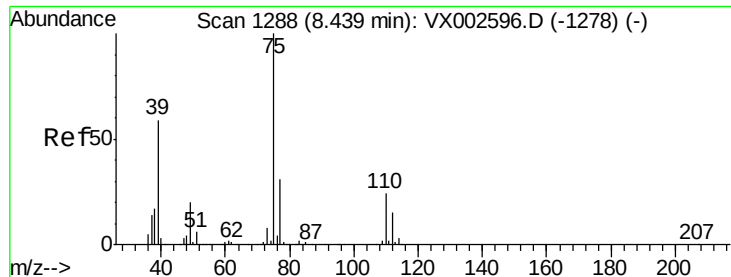
91 176.4 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 45.57 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

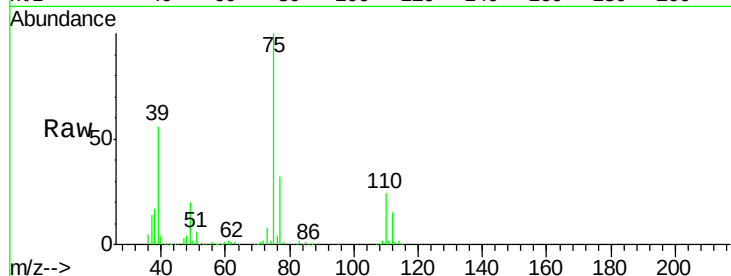
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 167173

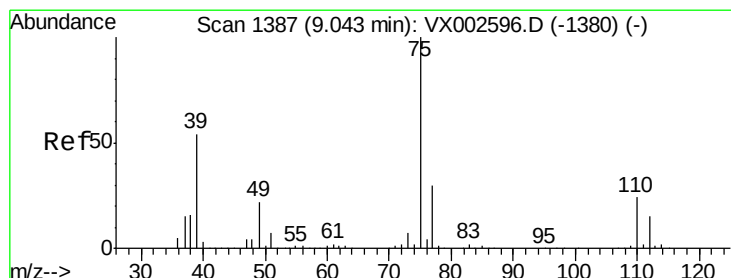
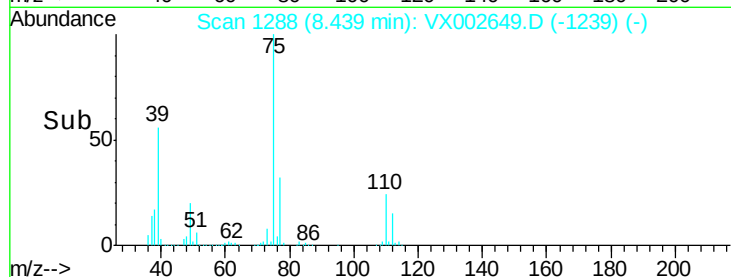
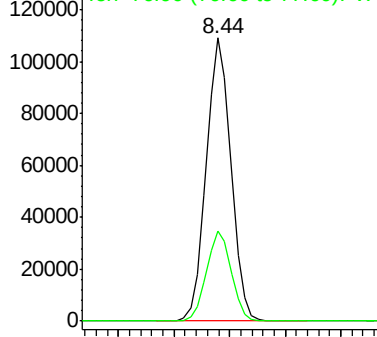
Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2



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: 44.49 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

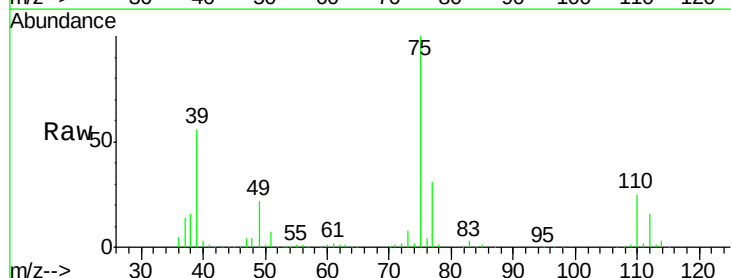
Tgt Ion: 75 Resp: 155145

Ion Ratio Lower Upper

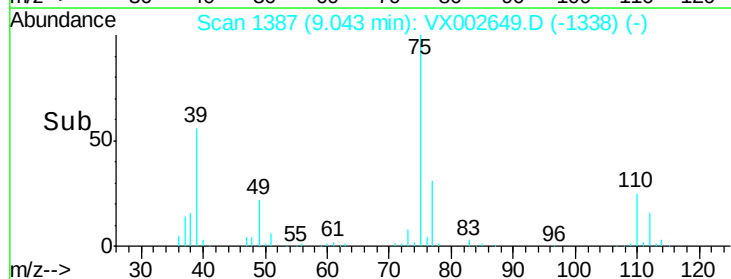
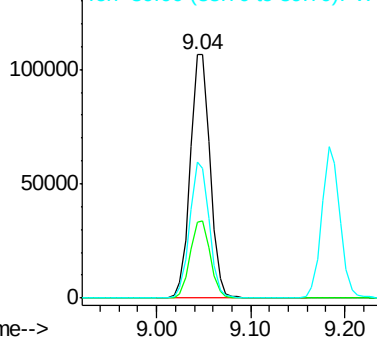
75 100

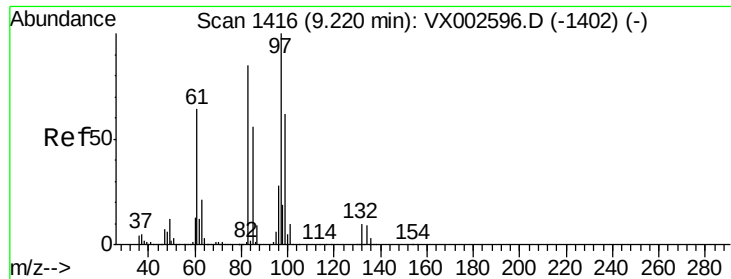
77 31.0 24.8 37.2

39 55.8 42.4 63.6



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

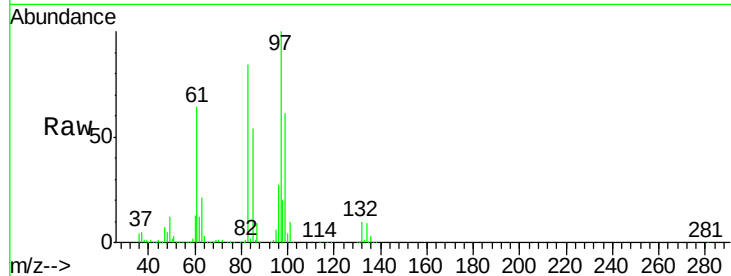




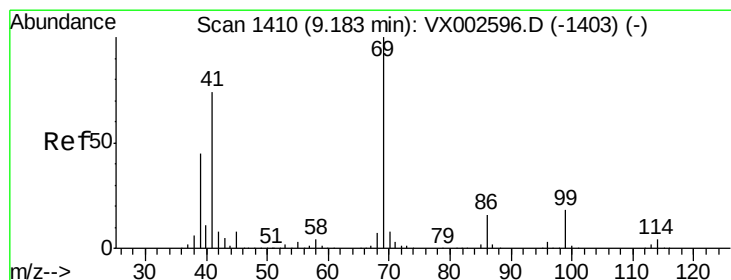
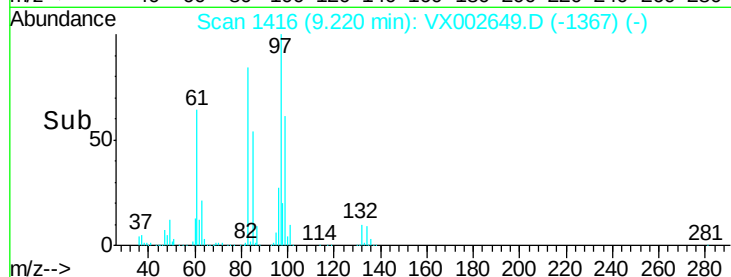
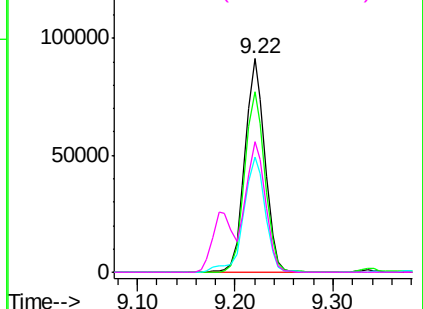
#55
 1,1,2-Trichloroethane
 Concen: 56.30 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX002649.D
 Acq: 16 Jun 2018 15:34

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:	97	Resp:	130156
Ion	Ratio	Lower	Upper
97	100		
83	84.2	70.2	105.2
85	54.0	44.9	67.3
99	61.0	49.8	74.8

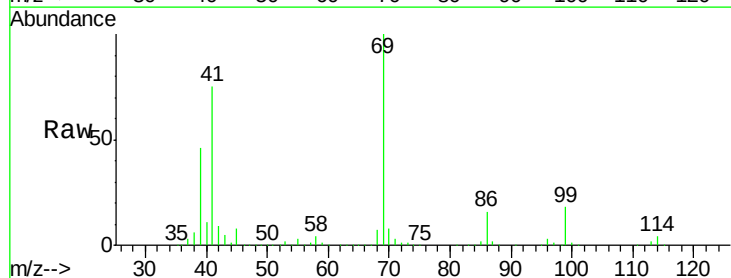


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

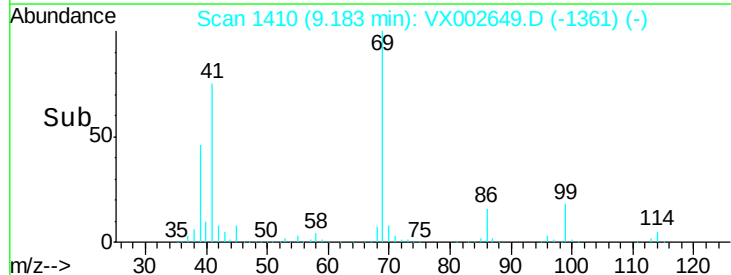
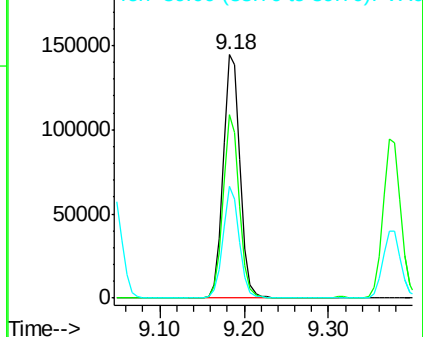


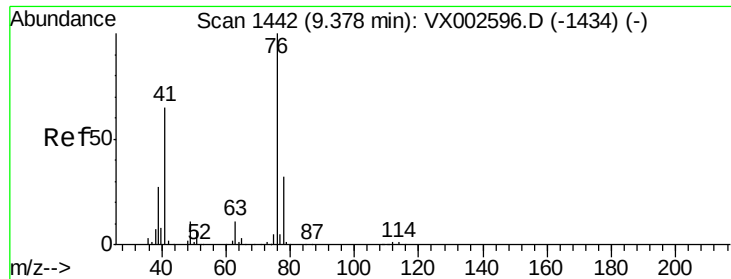
#56
 Ethyl methacrylate
 Concen: 56.19 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX002649.D
 Acq: 16 Jun 2018 15:34

Tgt Ion:	69	Resp:	199913
Ion	Ratio	Lower	Upper
69	100		
41	72.4	60.3	90.5
39	44.0	35.8	53.8



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

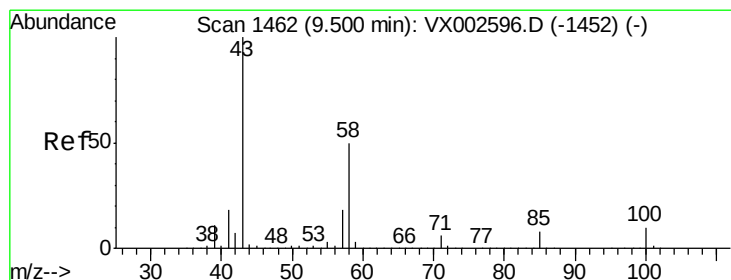
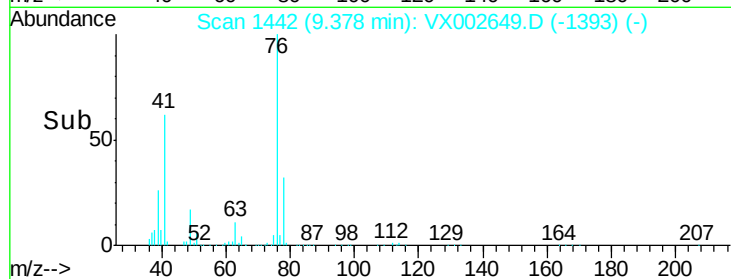
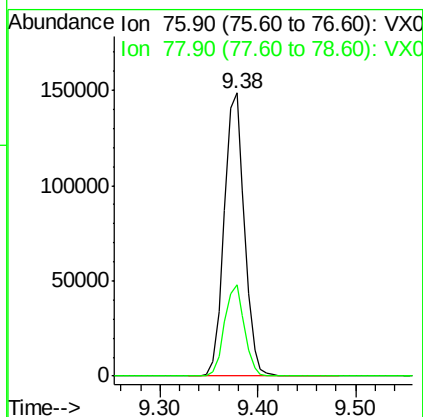
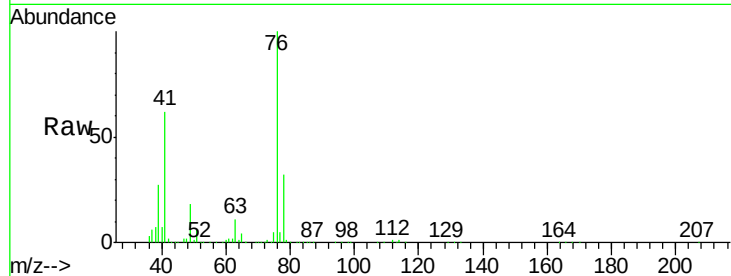




#57
 1,3-Dichloropropane
 Concen: 54.43 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX002649.D
 Acq: 16 Jun 2018 15:34

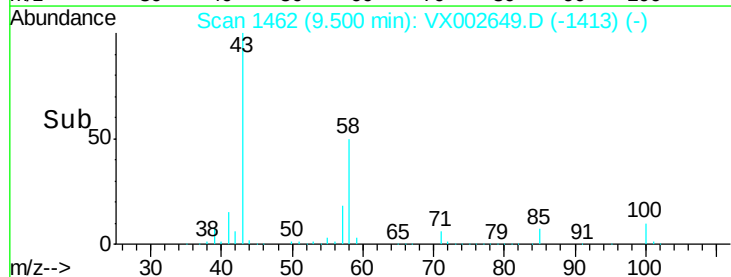
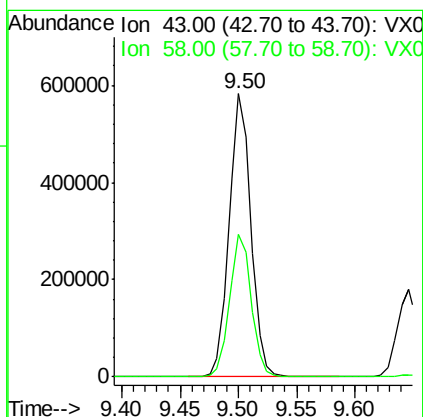
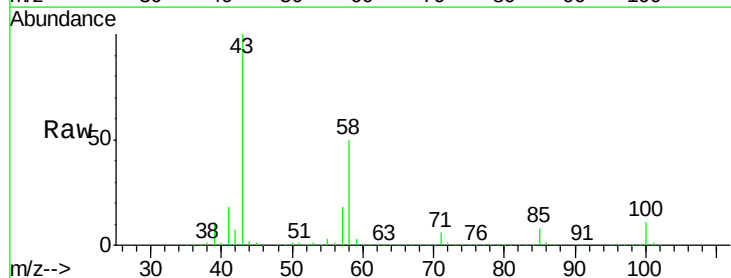
Instrument :
 MSVOA_X
 ClientSampleId :

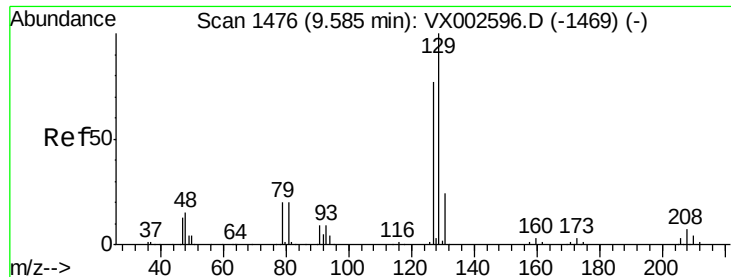
Tot Ion: 76 Resp: 212826
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.6



#59
 2-Hexanone
 Concen: 279.49 ug/l
 RT: 9.50 min Scan# 1462
 Delta R.T. 0.00 min
 Lab File: VX002649.D
 Acq: 16 Jun 2018 15:34

Tgt Ion: 43 Resp: 758514
 Ion Ratio Lower Upper
 43 100
 58 50.5 24.6 73.6

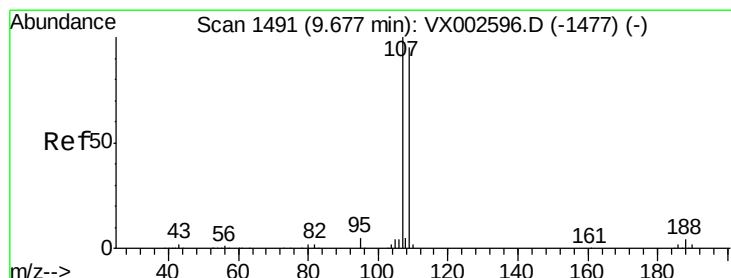
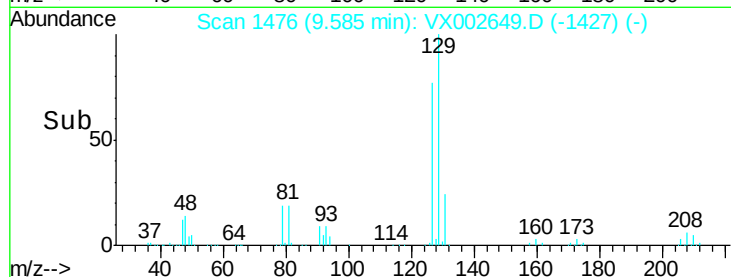
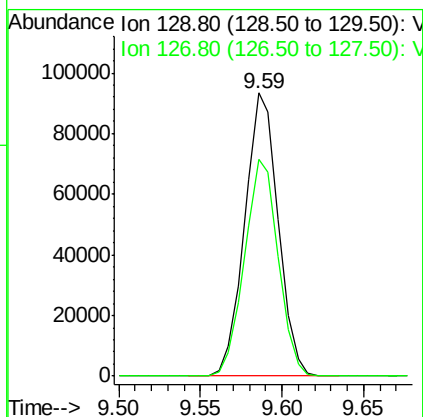
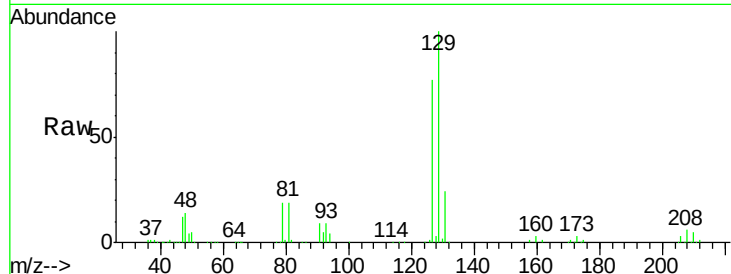




#60
 Dibromochloromethane
 Concen: 51.41 ug/l
 RT: 9.59 min Scan# 1476
 Delta R.T. 0.00 min
 Lab File: VX002649.D
 Acq: 16 Jun 2018 15:34

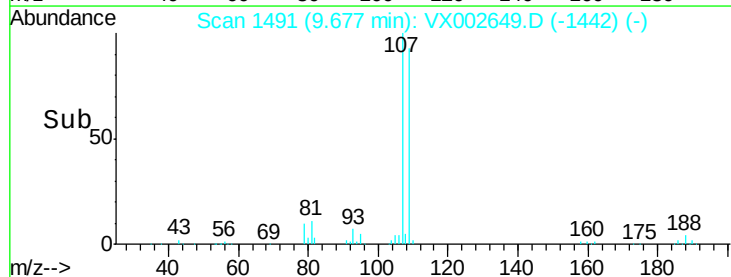
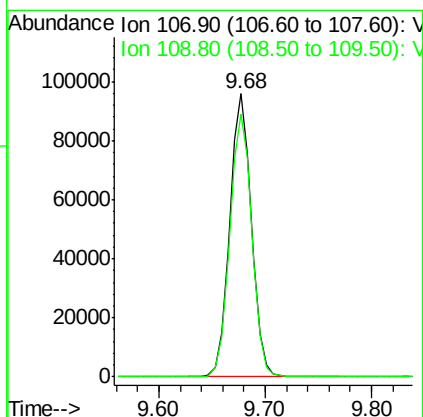
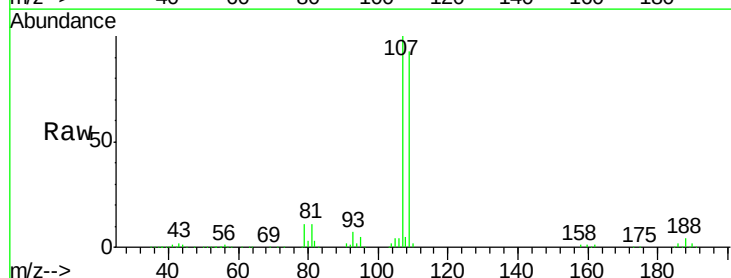
Instrument :
 MSVOA_X
 ClientSampled :

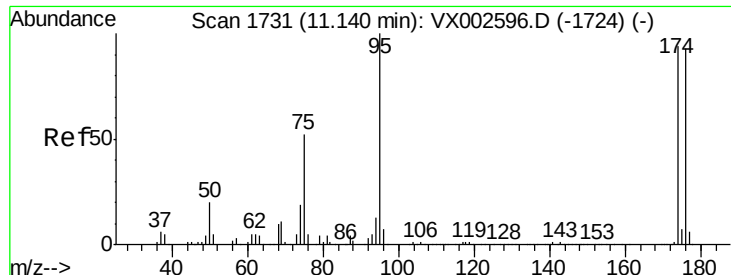
Tot Ion:129 Resp: 133996
 Ion Ratio Lower Upper
 129 100
 127 77.0 38.5 115.3



#61
 1,2-Dibromoethane
 Concen: 57.14 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX002649.D
 Acq: 16 Jun 2018 15:34

Tgt Ion:107 Resp: 136803
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.3 112.9

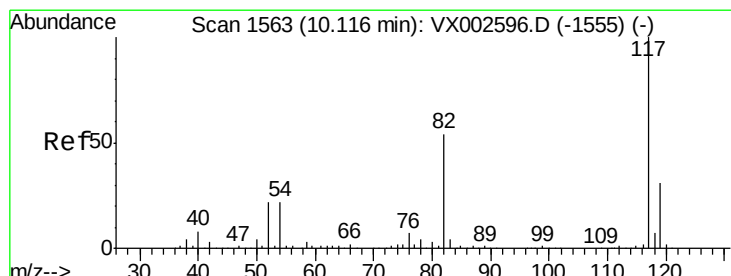
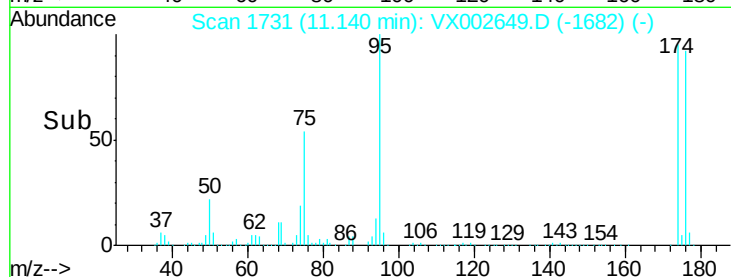
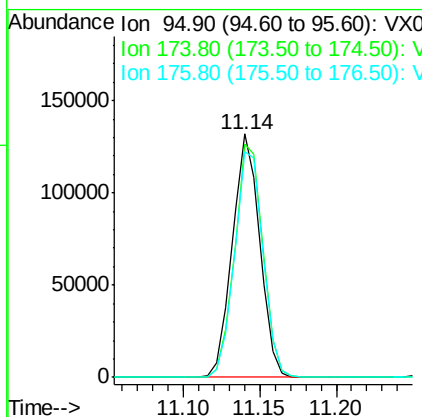
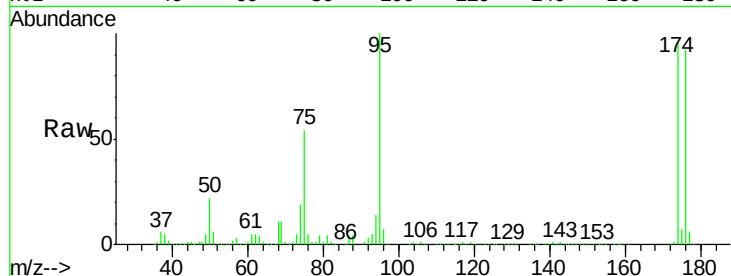




#62
4-Bromofluorobenzene
Concen: 50.50 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

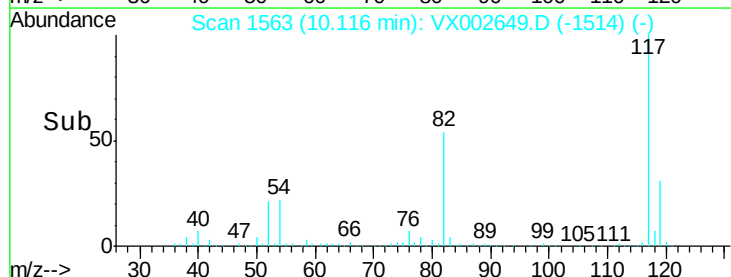
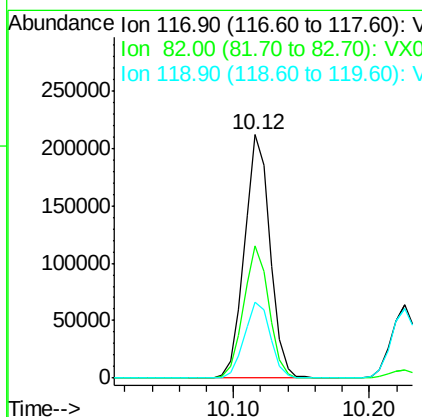
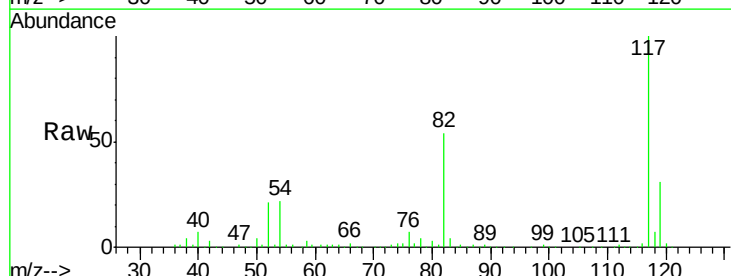
Instrument :
MSVOA_X
ClientSampleId :

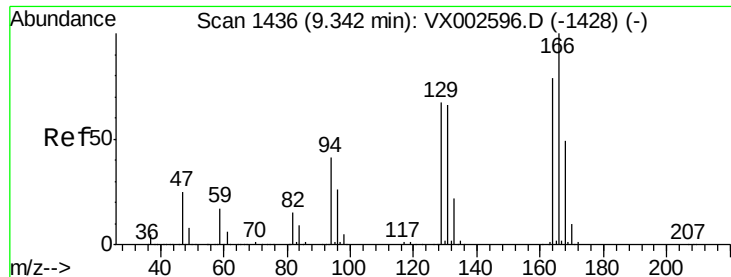
Tot Ion: 95 Resp: 163305
Ion Ratio Lower Upper
95 100
174 99.2 0.0 187.4
176 96.6 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

Tgt Ion: 117 Resp: 277496
Ion Ratio Lower Upper
117 100
82 54.1 45.0 67.4
119 31.4 25.8 38.6





#64

Tetrachloroethene

Concen: 34.98 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164 Resp: 107750

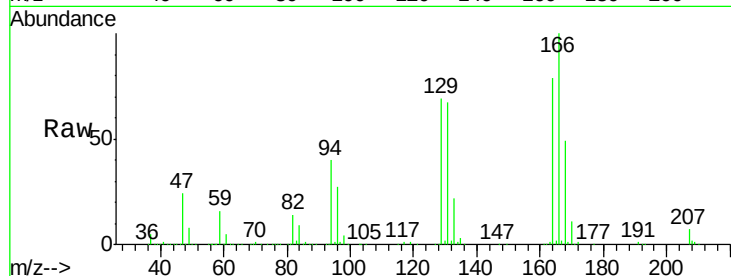
Ion Ratio Lower Upper

164 100

166 126.6 102.9 154.3

129 86.8 68.6 102.8

131 84.3 66.8 100.2

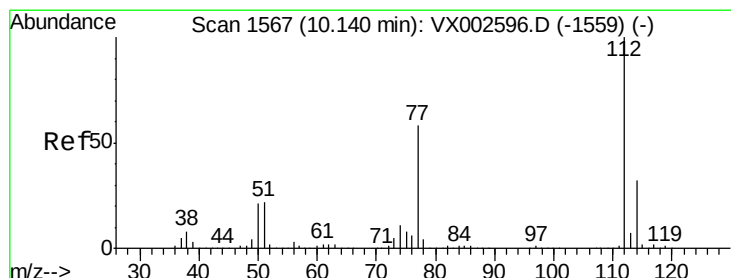
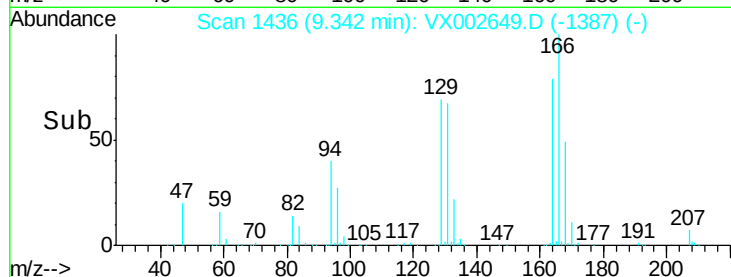
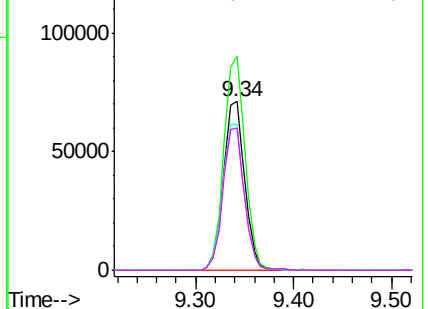


Abundance Ion 163.80 (163.50 to 164.50): V

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: 52.12 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX002649.D

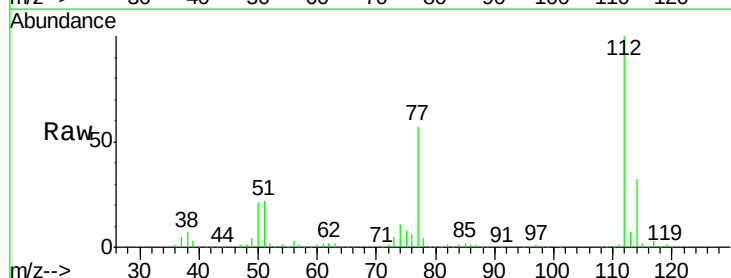
Acq: 16 Jun 2018 15:34

Tgt Ion:112 Resp: 355171

Ion Ratio Lower Upper

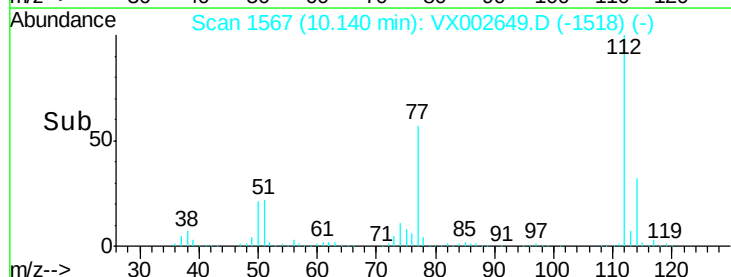
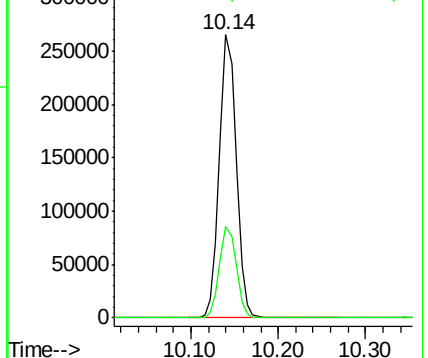
112 100

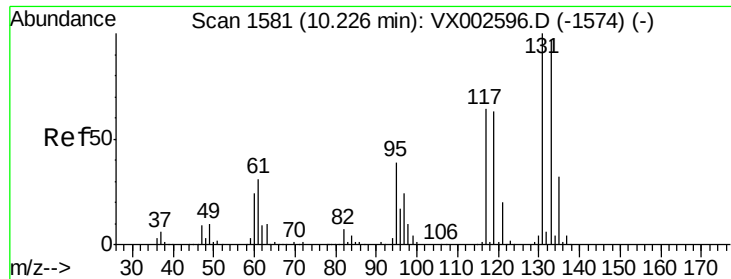
114 32.5 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

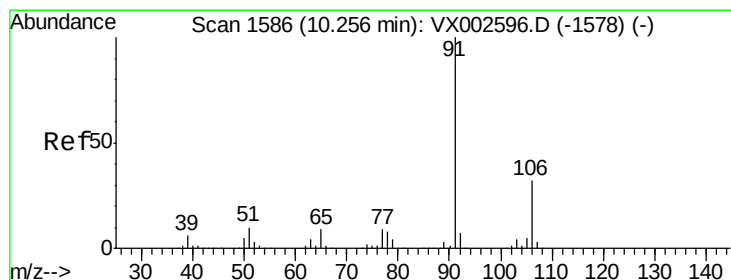
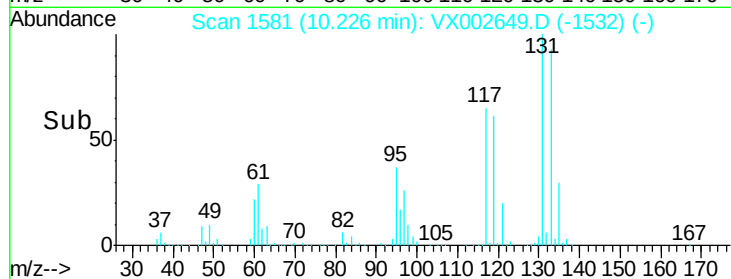
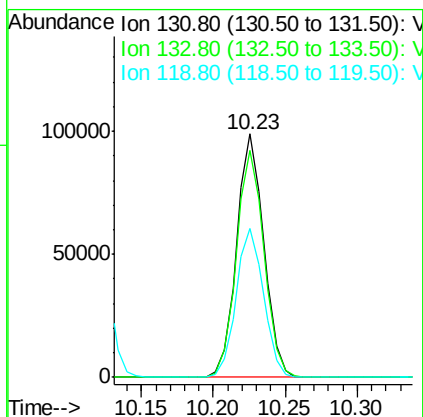
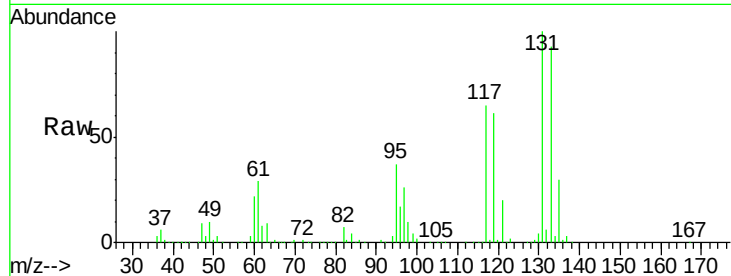




#66
 1,1,1,2-Tetrachloroethane
 Concen: 56.04 ug/l
 RT: 10.23 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VX002649.D
 Acq: 16 Jun 2018 15:34

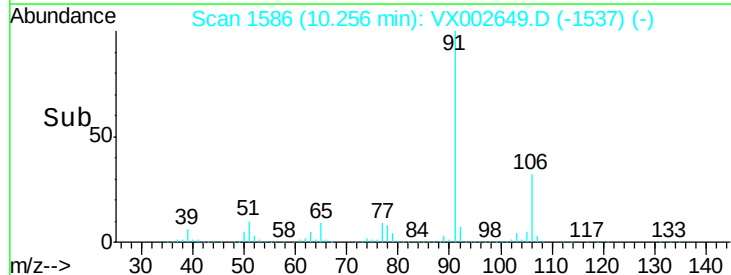
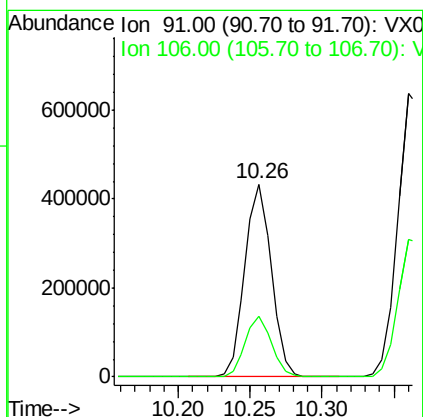
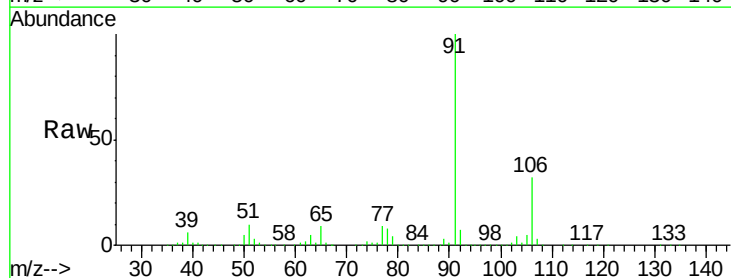
Instrument :
 MSVOA_X
 ClientSampleId :

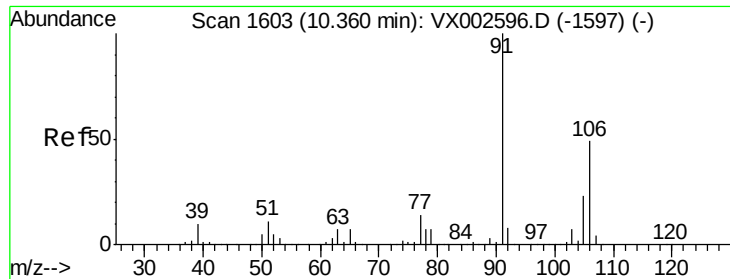
Tot Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.9	143.6
119	61.9	31.8	95.3



#67
 Ethyl Benzene
 Concen: 48.29 ug/l
 RT: 10.26 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VX002649.D
 Acq: 16 Jun 2018 15:34

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.7	25.5	38.3

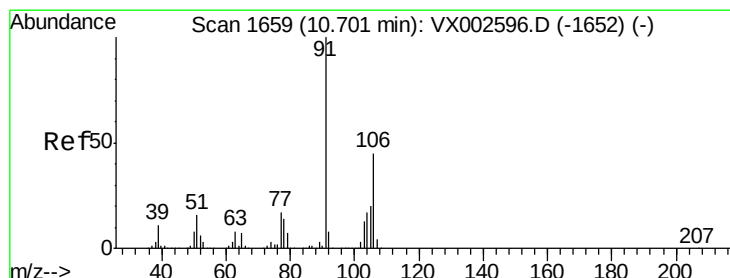
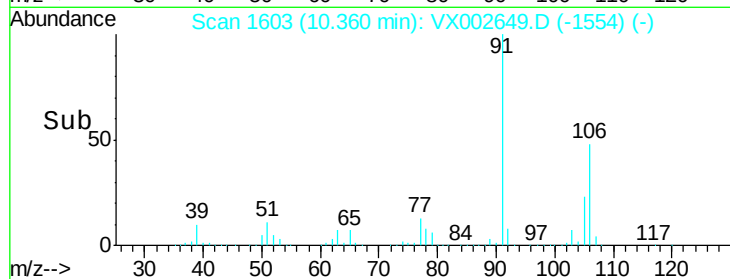
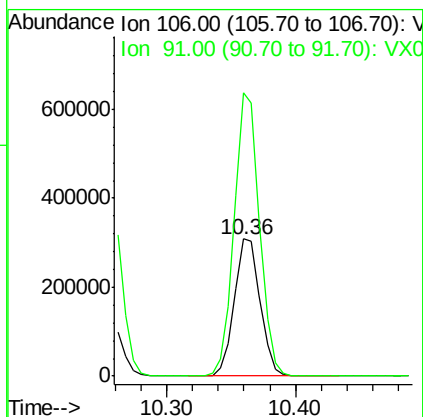
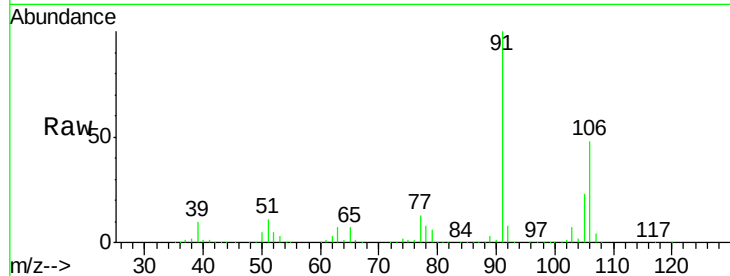




#68
m/p-Xylenes
Concen: 96.83 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

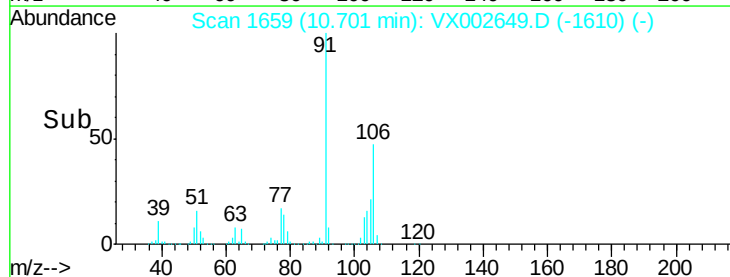
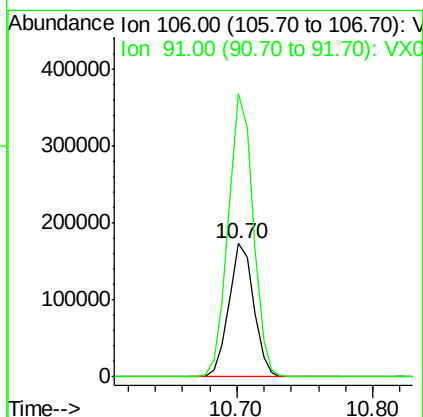
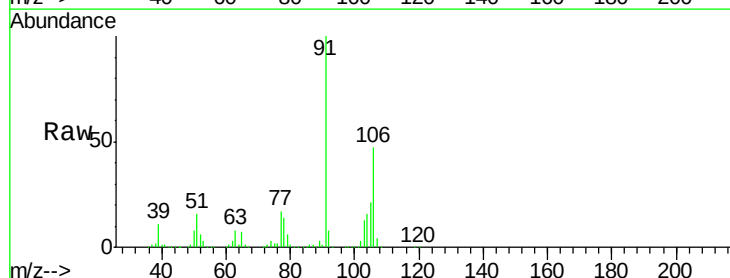
Instrument :
MSVOA_X
ClientSampleId :

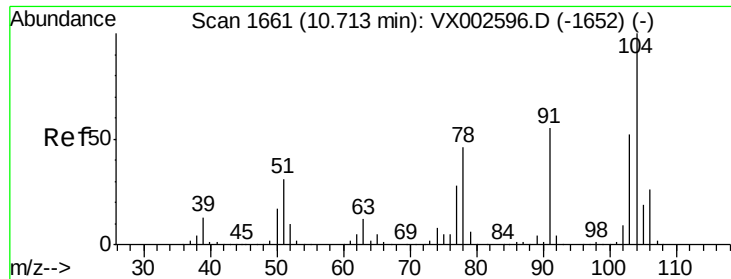
Tot Ion:106 Resp: 429321
Ion Ratio Lower Upper
106 100
91 203.1 163.4 245.2



#69
o-Xylene
Concen: 50.65 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

Tgt Ion:106 Resp: 220632
Ion Ratio Lower Upper
106 100
91 212.4 108.2 324.6

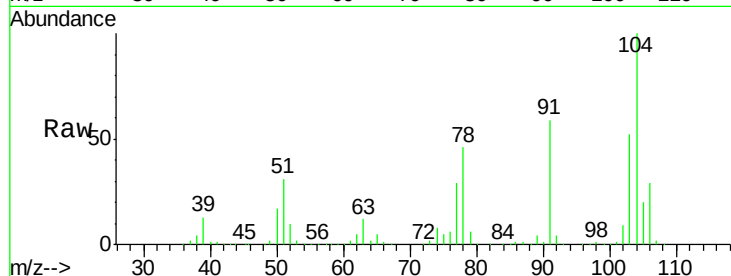




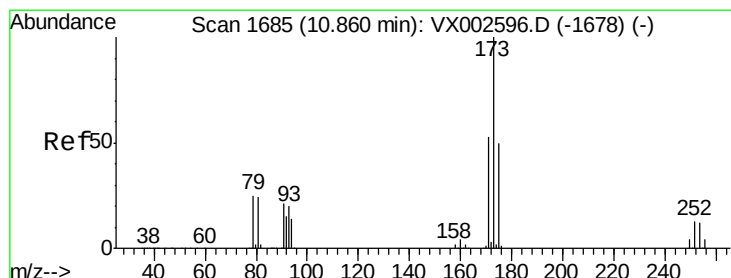
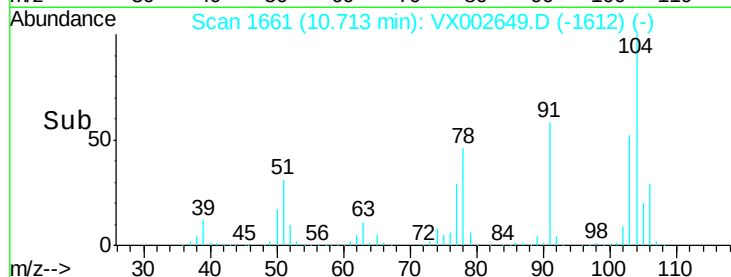
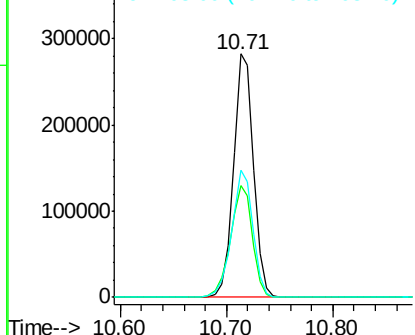
#70
Stvrene
Concen: 51.65 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:104 Resp: 370003
Ion Ratio Lower Upper
104 100
78 50.6 41.0 61.6
103 55.6 44.2 66.4

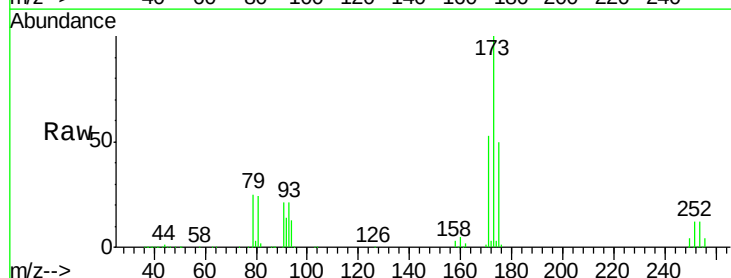


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

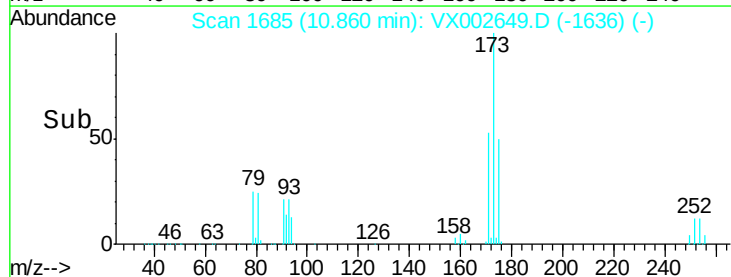
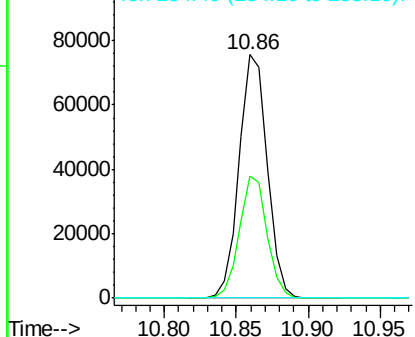


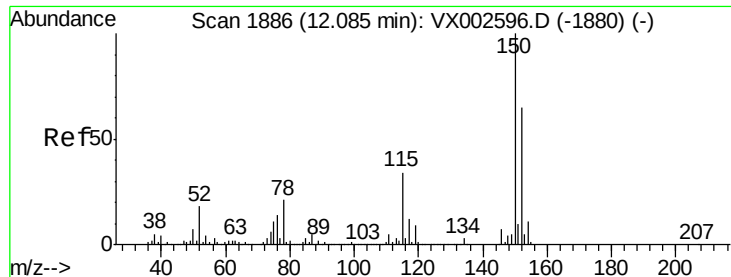
#71
Bromoform
Concen: 48.74 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002649.D
Acq: 16 Jun 2018 15:34

Tgt Ion:173 Resp: 102800
Ion Ratio Lower Upper
173 100
175 49.0 24.7 74.1
254 0.2 0.2 0.2



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

ClientSampled :

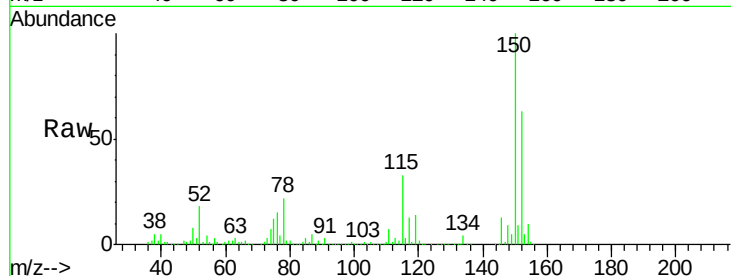
Tot Ion:152 Resp: 171750

Ion Ratio Lower Upper

152 100

115 76.8 40.1 120.2

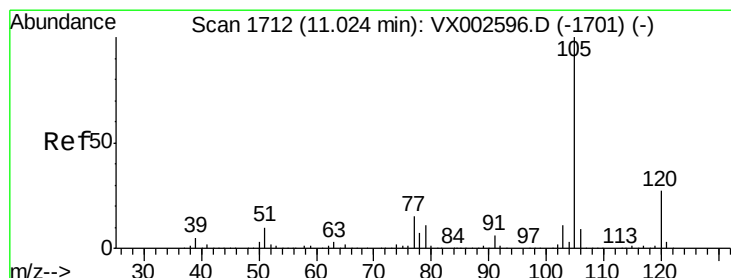
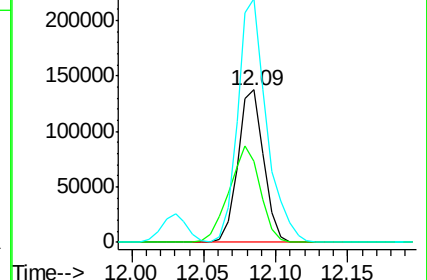
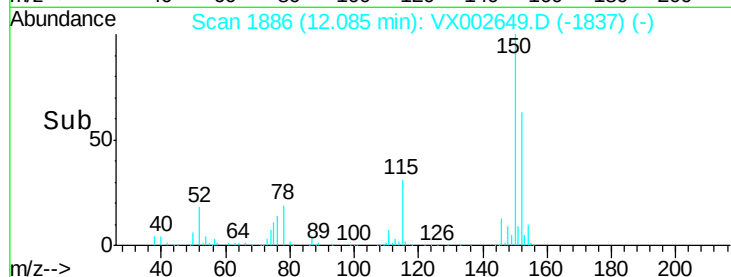
150 178.3 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 47.45 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002649.D

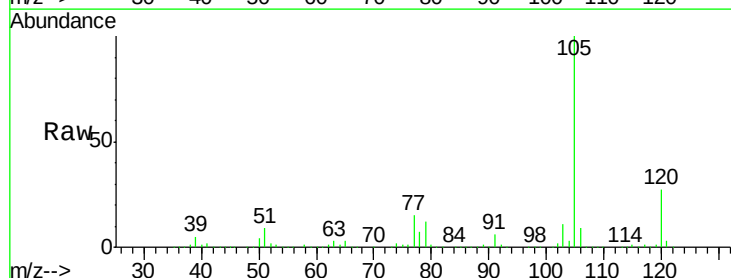
Acq: 16 Jun 2018 15:34

Tgt Ion:105 Resp: 544996

Ion Ratio Lower Upper

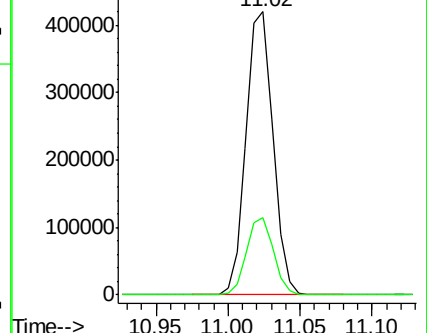
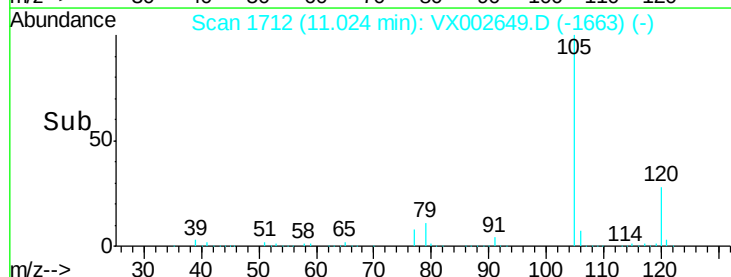
105 100

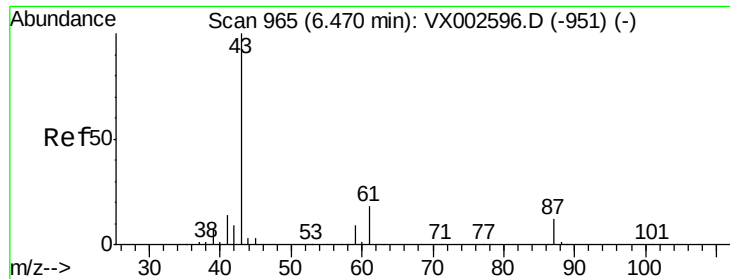
120 27.1 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 47.29 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 269874

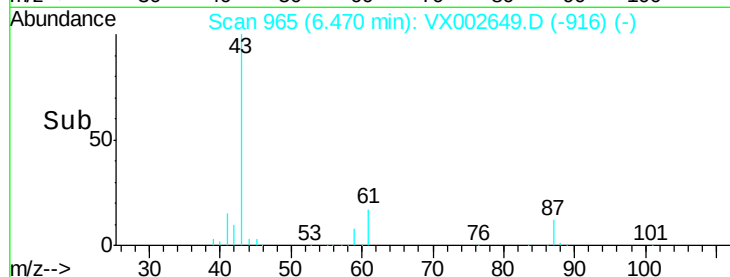
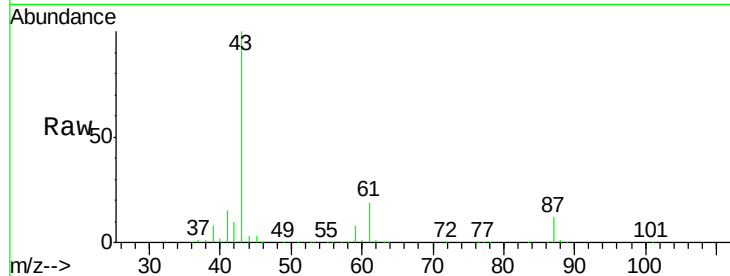
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.1 0.0 0.0#

61 18.2 14.4 21.6

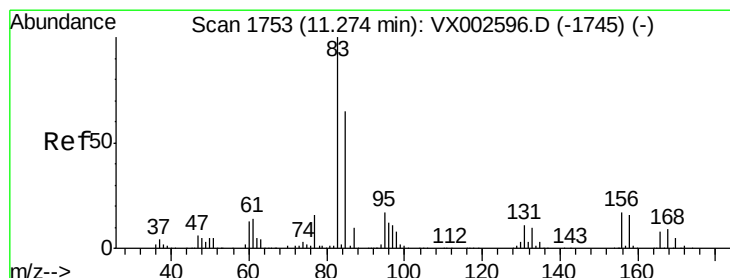
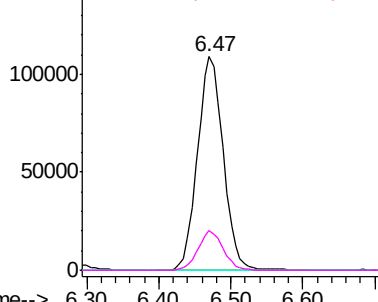


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 60.03 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

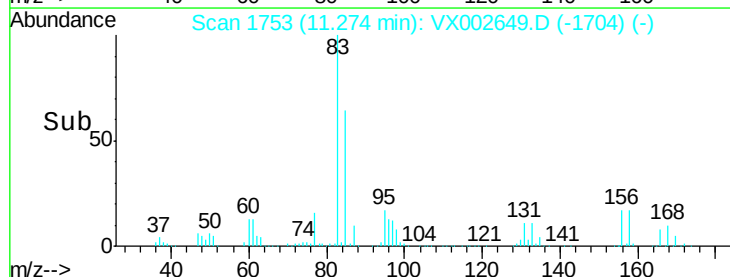
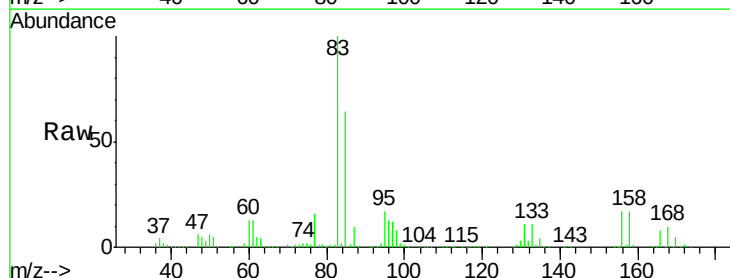
Tgt Ion: 83 Resp: 203646

Ion Ratio Lower Upper

83 100

131 11.2 5.6 16.8

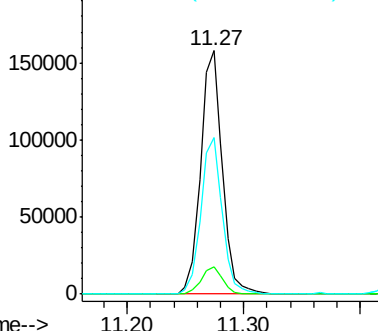
85 63.9 32.4 97.2

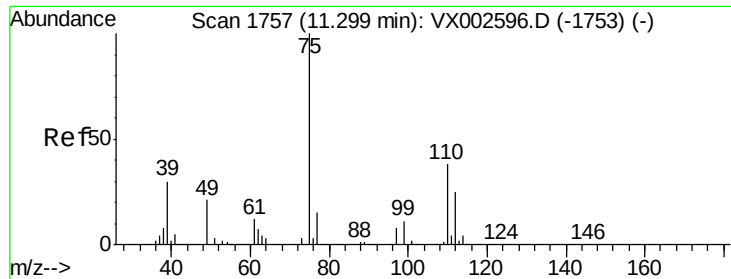


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 59.53 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

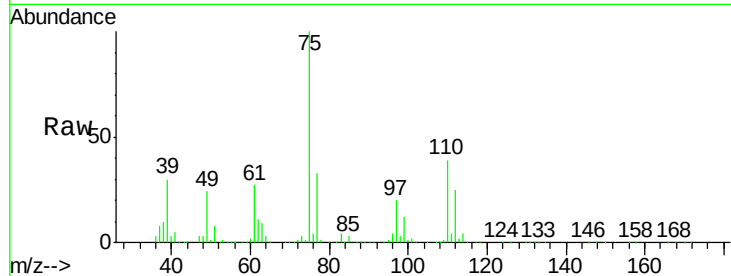
ClientSampled :

Tot Ion: 75 Resp: 192926

Ion Ratio Lower Upper

75 100

77 32.5 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX002596.D (-1753) (-)

Ion 77.00 (76.70 to 77.70): VX002596.D (-1753) (-)

200000

150000

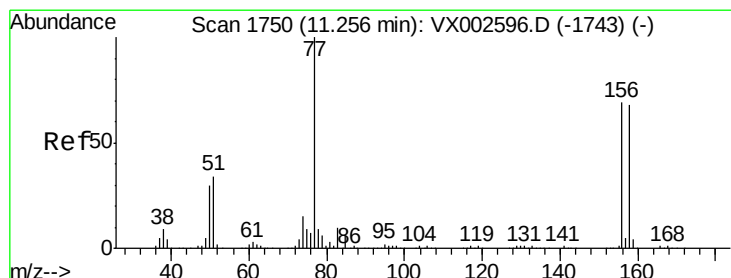
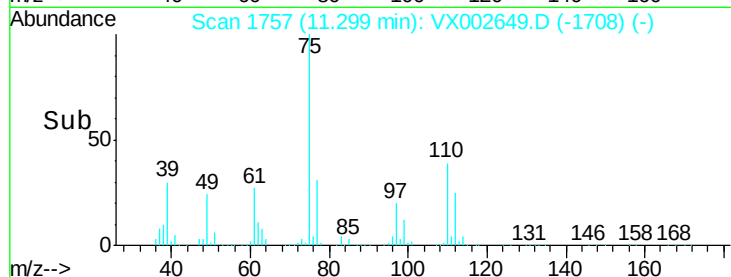
100000

50000

0

11.25 11.30 11.35

Time-->



#77

Bromobenzene

Concen: 53.85 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.01 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

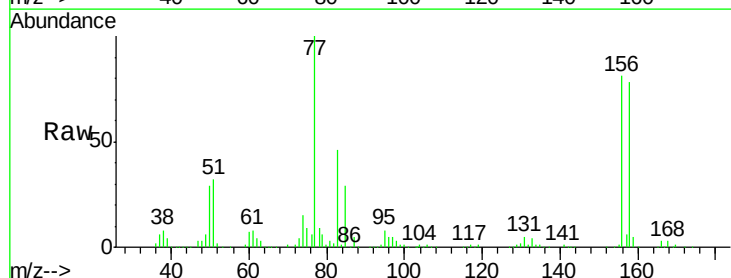
Tgt Ion: 156 Resp: 172326

Ion Ratio Lower Upper

156 100

77 136.2 71.4 214.2

158 96.0 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): VX002596.D (-1743) (-)

Ion 77.00 (76.70 to 77.70): VX002596.D (-1743) (-)

Ion 157.80 (157.50 to 158.50): VX002596.D (-1743) (-)

250000

200000

150000

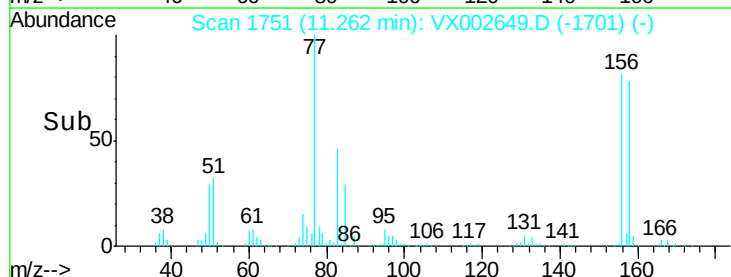
100000

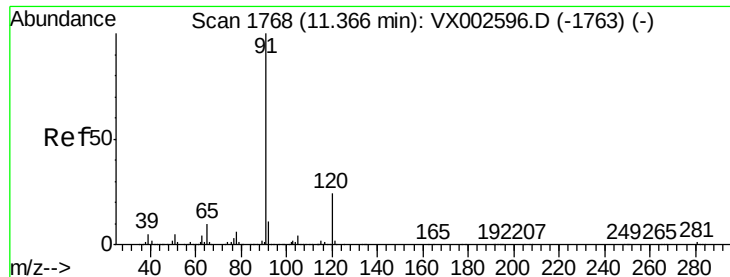
50000

0

11.20 11.30

Time-->





#78

n-propylbenzene

Concen: 46.12 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

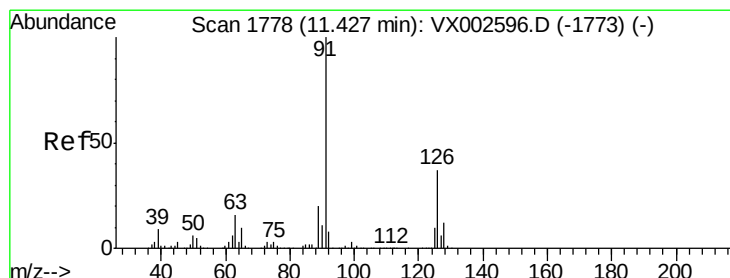
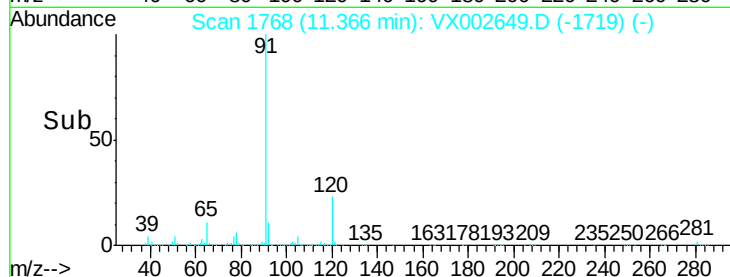
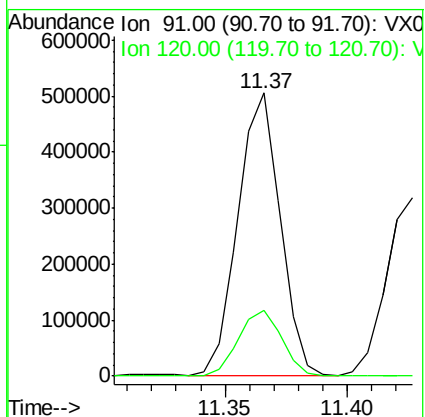
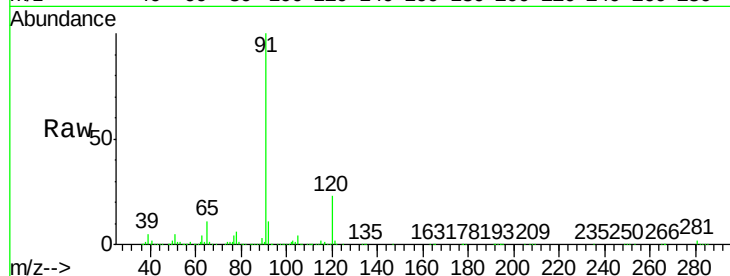
ClientSampled :

Tot Ion: 91 Resp: 607559

Ion Ratio Lower Upper

91 100

120 23.8 11.8 35.4



#79

2-Chlorotoluene

Concen: 50.03 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002649.D

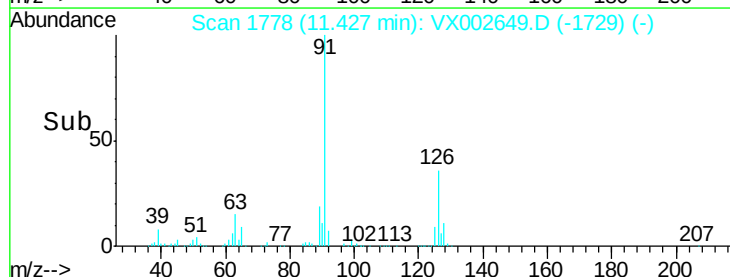
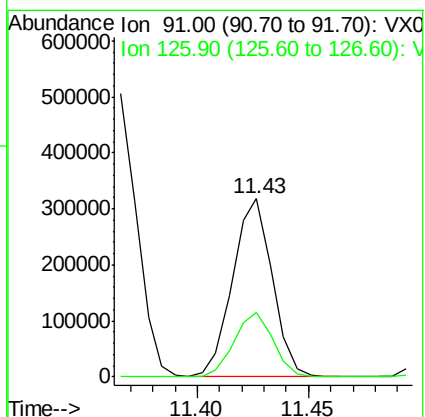
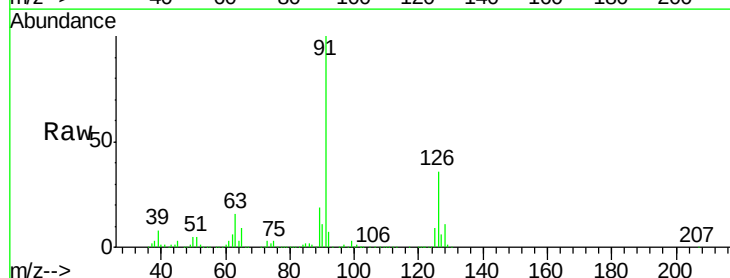
Acq: 16 Jun 2018 15:34

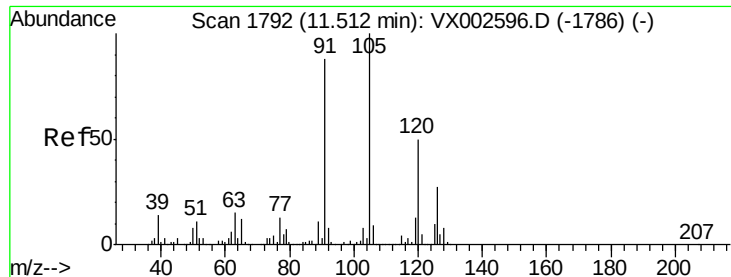
Tgt Ion: 91 Resp: 393473

Ion Ratio Lower Upper

91 100

126 36.0 17.7 53.1

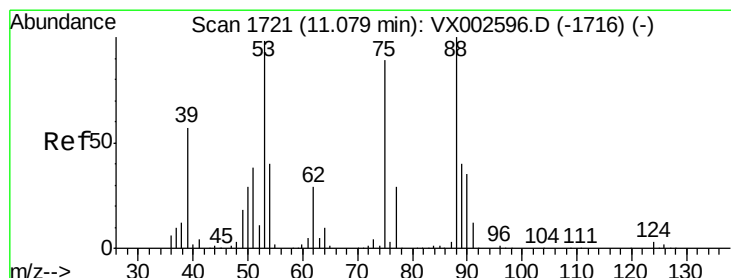
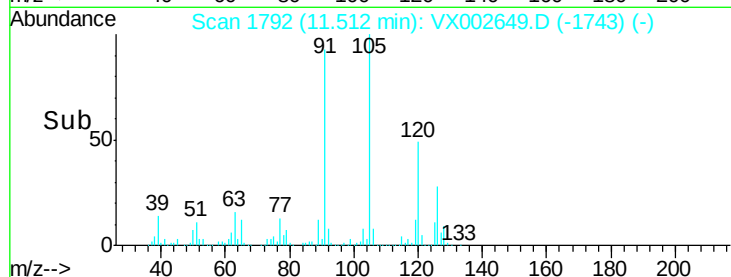
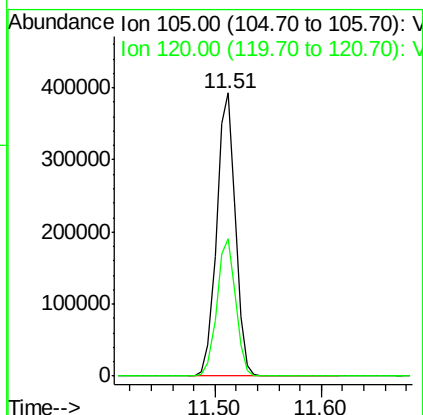
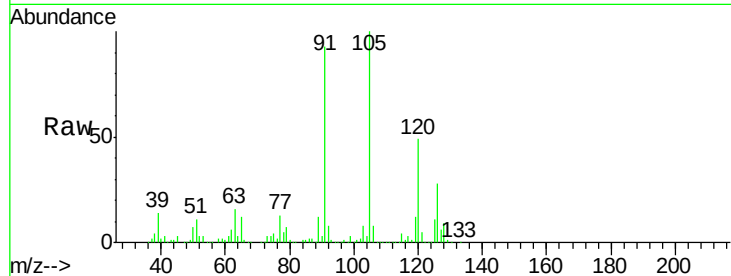




#80
 1,3,5-Trimethylbenzene
 Concen: 49.00 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX002649.D
 Acq: 16 Jun 2018 15:34

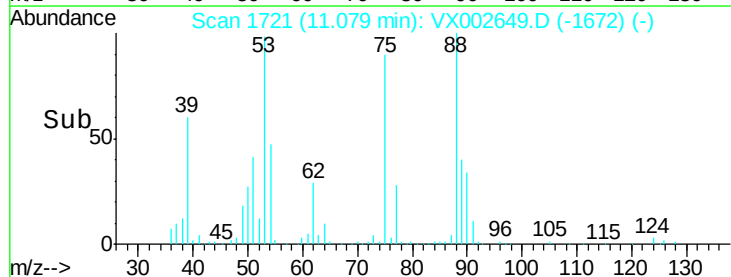
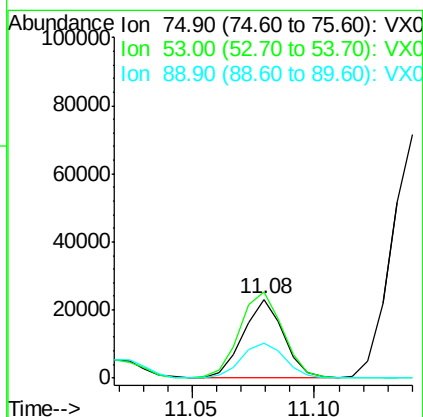
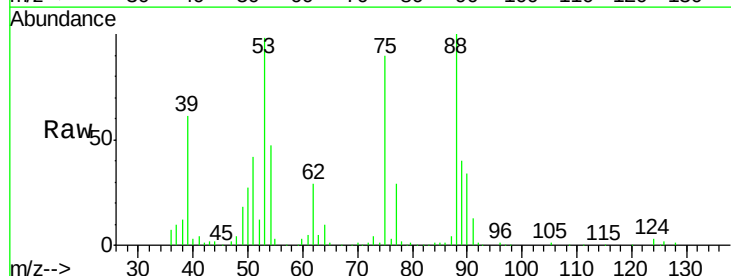
Instrument :
 MSVOA_X
 ClientSampled :

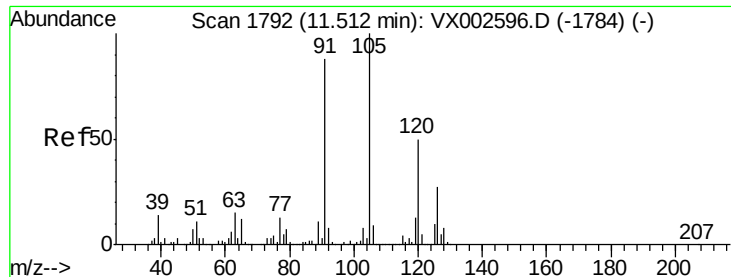
Tot Ion:105 Resp: 475663
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.4 73.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 28.26 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: VX002649.D
 Acq: 16 Jun 2018 15:34

Tgt Ion: 75 Resp: 26611
 Ion Ratio Lower Upper
 75 100
 53 117.5 86.8 130.2
 89 48.1 38.2 57.2





#82

4-Chlorotoluene

Concen: 49.78 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

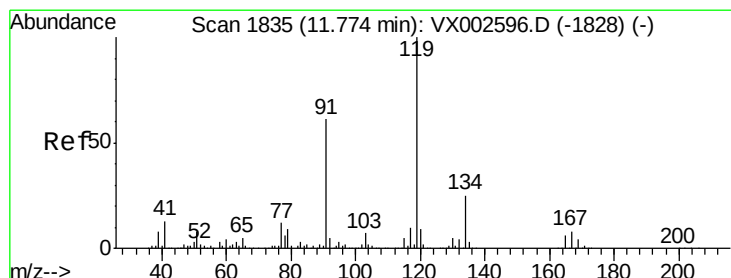
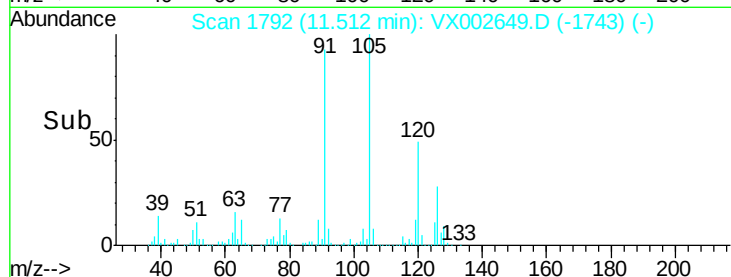
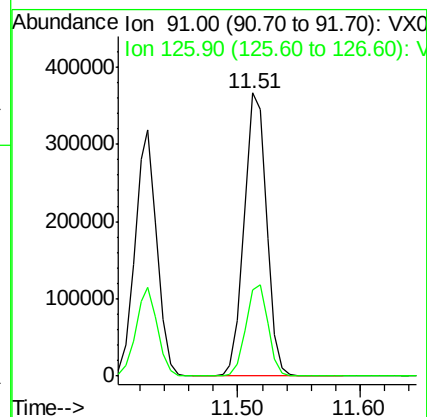
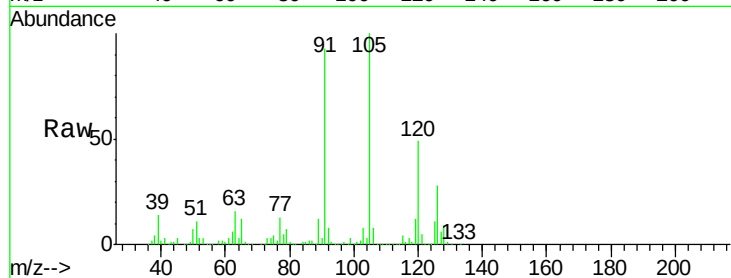
ClientSampled :

Tot Ion: 91 Resp: 461954

Ion Ratio Lower Upper

91 100

126 32.0 15.4 46.4



#83

tert-Butylbenzene

Concen: 50.16 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

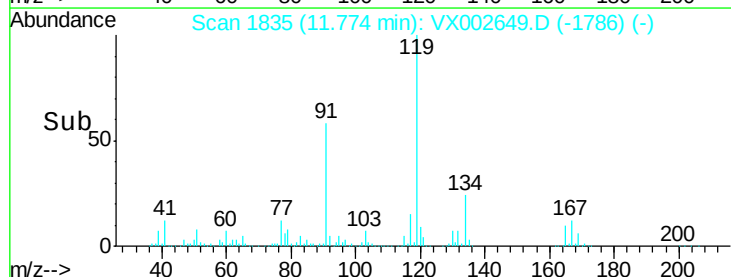
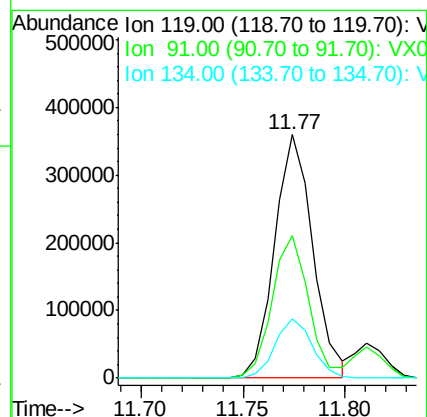
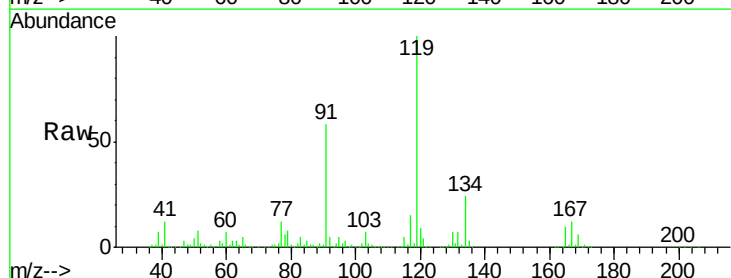
Tgt Ion: 119 Resp: 469125

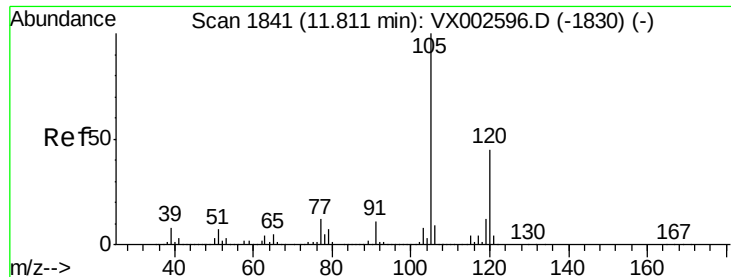
Ion Ratio Lower Upper

119 100

91 56.4 30.3 90.9

134 23.8 11.7 35.1





#84

1,2,4-Trimethylbenzene

Concen: 50.81 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

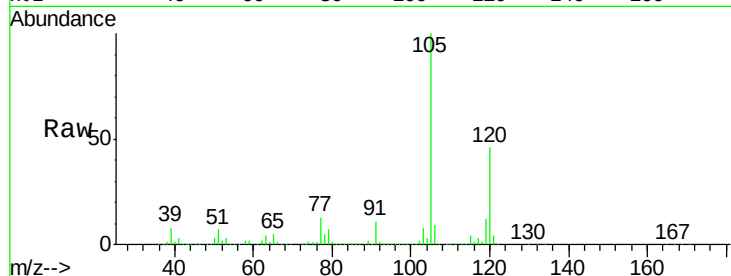
ClientSampleId :

Tot Ion:105 Resp: 503277

Ion Ratio Lower Upper

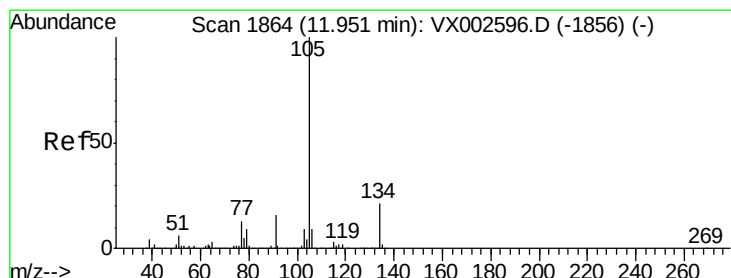
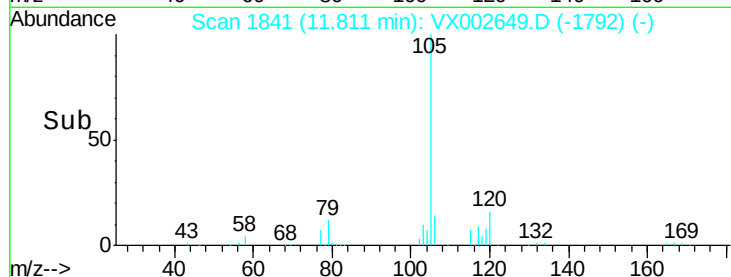
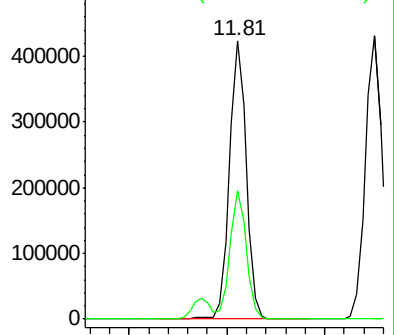
105 100

120 45.2 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 43.95 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002649.D

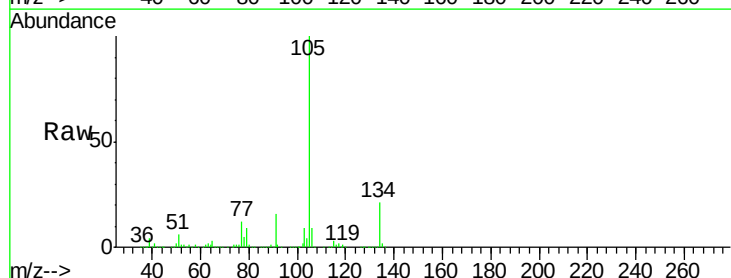
Acq: 16 Jun 2018 15:34

Tgt Ion:105 Resp: 511008

Ion Ratio Lower Upper

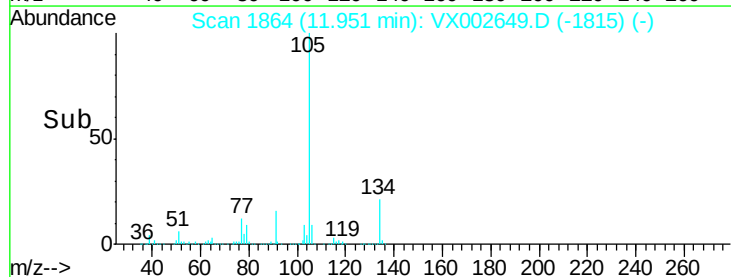
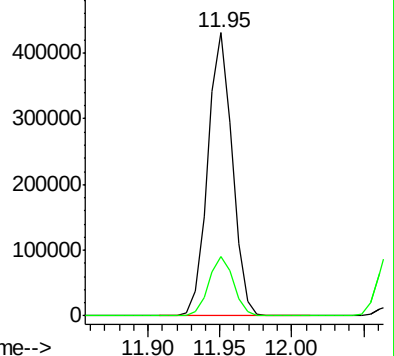
105 100

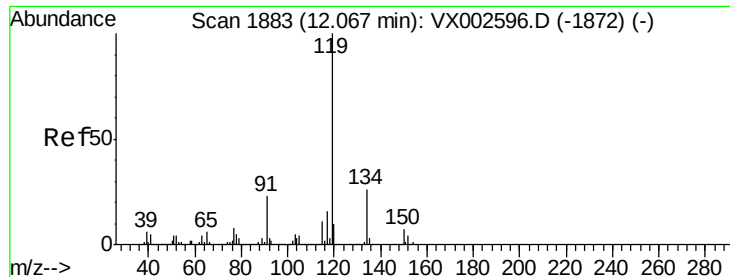
134 21.2 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

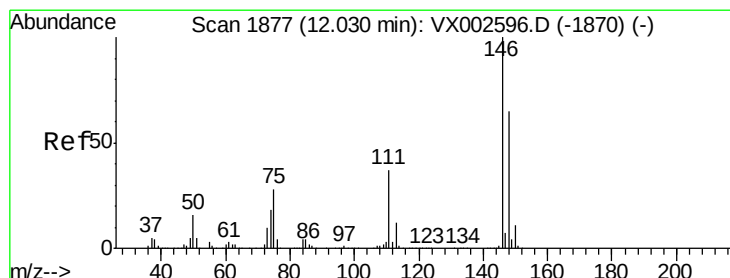
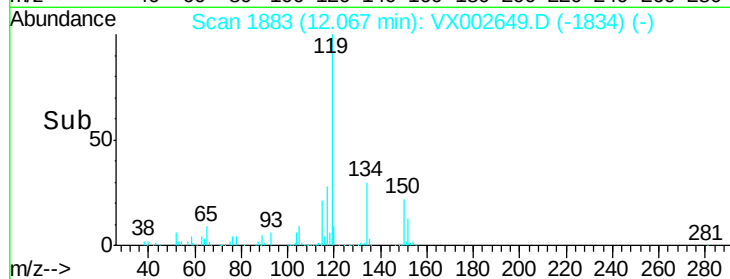
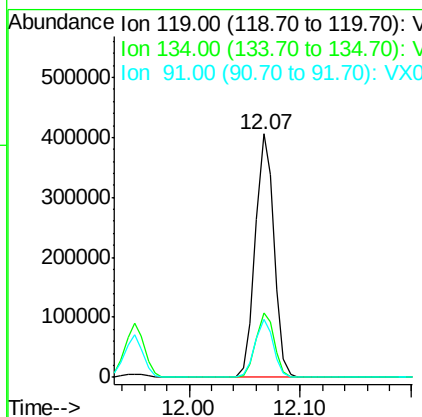
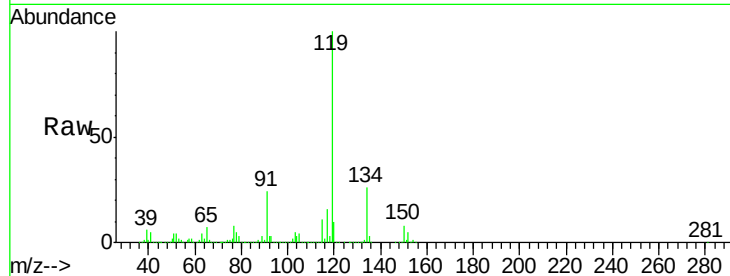




#86
 p-Isopropyltoluene
 Concen: 45.21 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX002649.D
 Acq: 16 Jun 2018 15:34

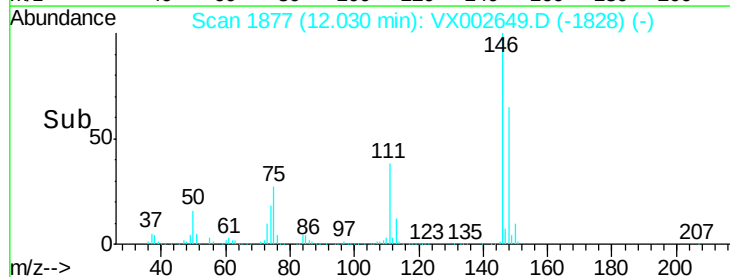
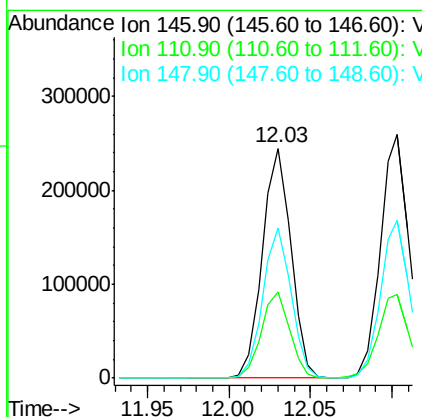
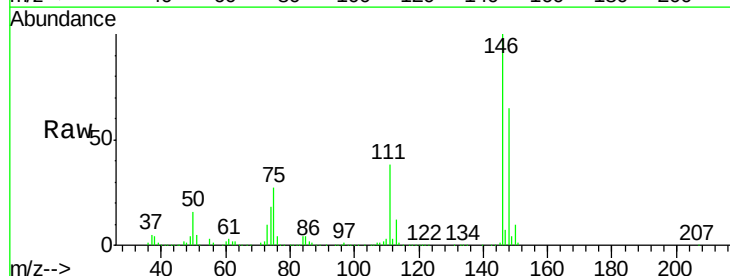
Instrument :
 MSVOA_X
 ClientSampled :

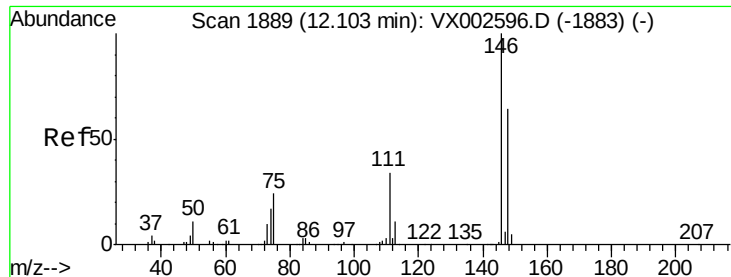
Tot Ion:119 Resp: 475662
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.4 40.1
 91 23.5 11.9 35.7



#87
 1,3-Dichlorobenzene
 Concen: 50.95 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX002649.D
 Acq: 16 Jun 2018 15:34

Tgt Ion:146 Resp: 299027
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.9 56.7
 148 64.6 32.1 96.3





#88

1,4-Dichlorobenzene

Concen: 52.65 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

ClientSampleId :

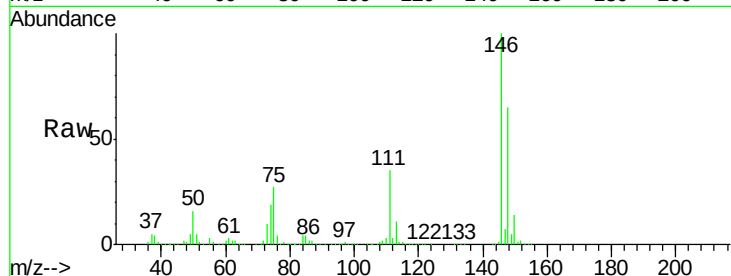
Tot Ion:146 Resp: 314378

Ion Ratio Lower Upper

146 100

111 36.2 18.7 56.1

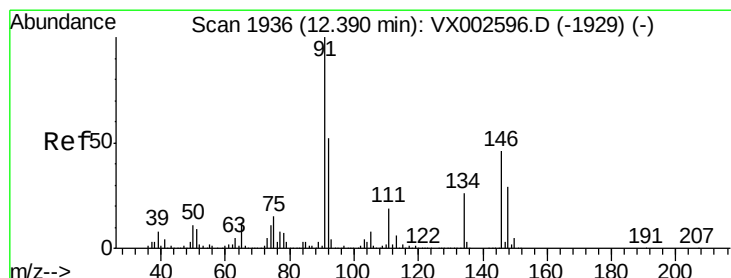
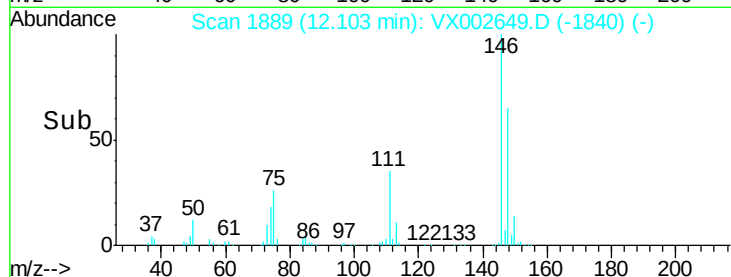
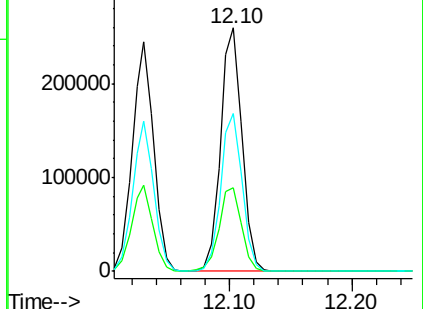
148 65.2 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 41.53 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

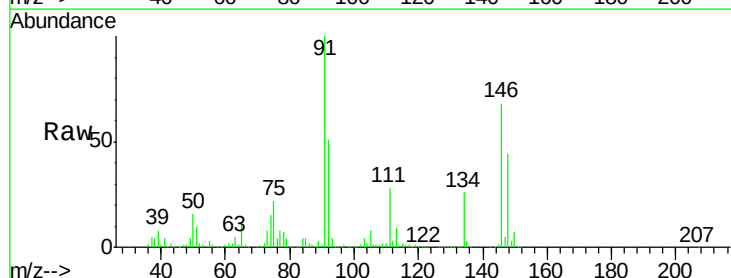
Tgt Ion: 91 Resp: 385486

Ion Ratio Lower Upper

91 100

92 51.5 26.0 78.0

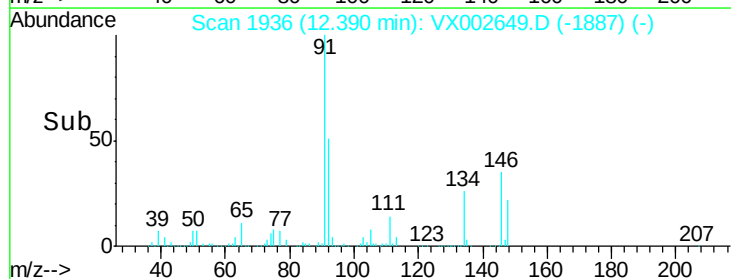
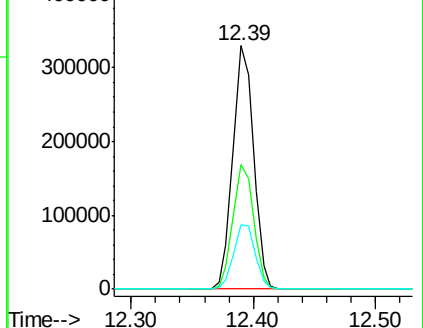
134 27.5 13.5 40.5

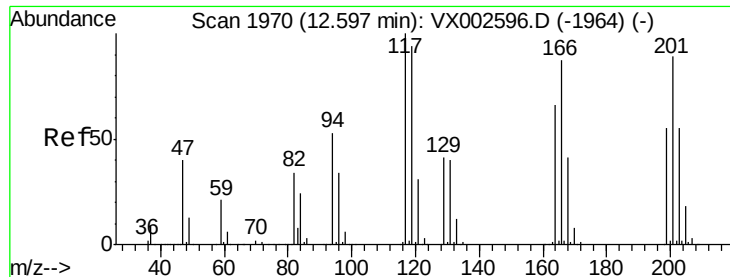


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 43.24 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. 0.01 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

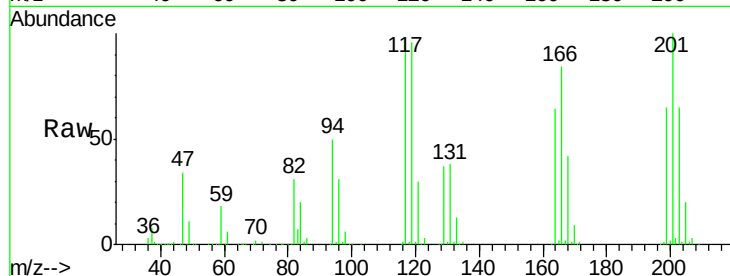
ClientSampleId :

Tot Ion:117 Resp: 70308

Ion Ratio Lower Upper

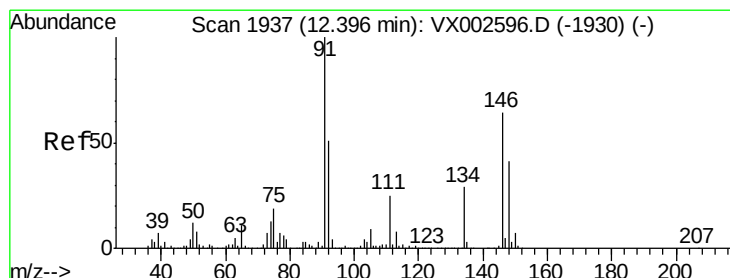
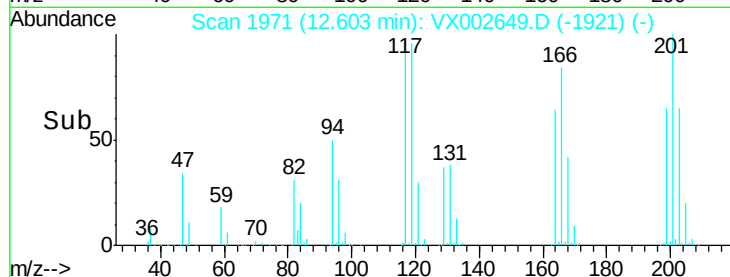
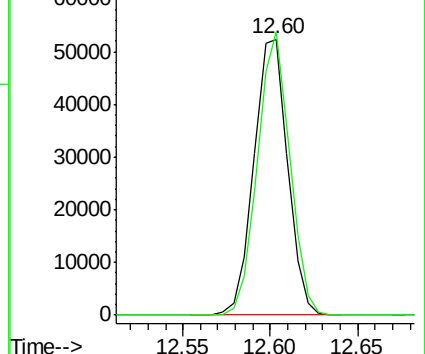
117 100

201 97.8 49.0 147.0



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 60.82 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

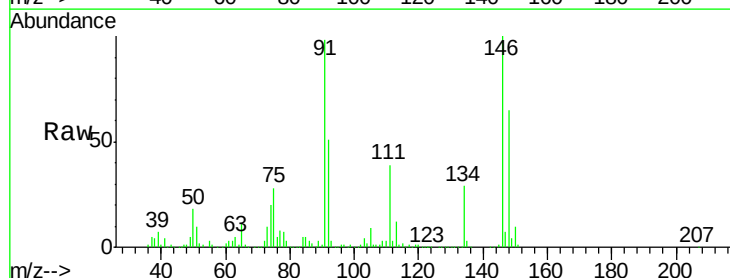
Tgt Ion:146 Resp: 359227

Ion Ratio Lower Upper

146 100

111 38.6 19.4 58.1

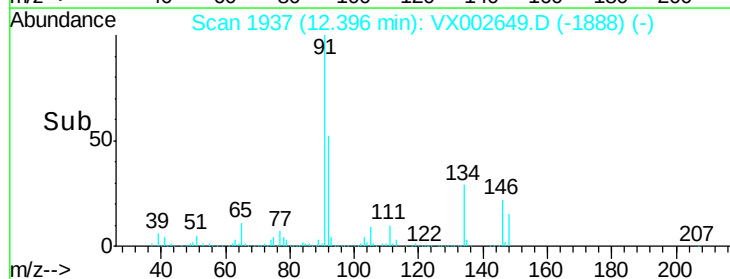
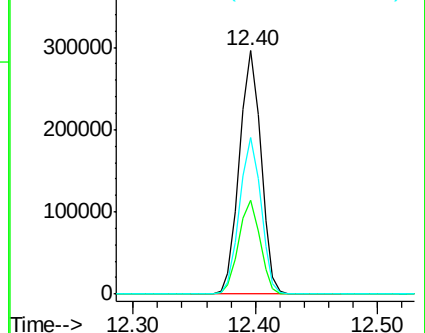
148 64.4 31.7 95.1

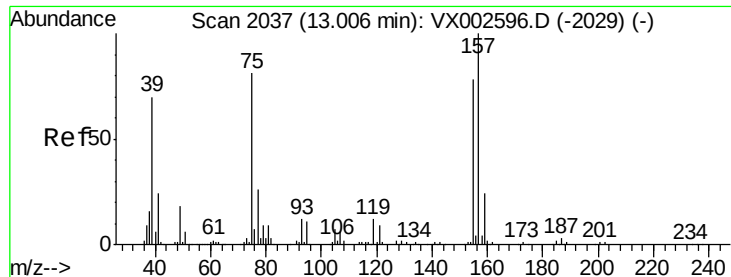


Abundance Ion 145.90 (145.60 to 146.60): V

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: 60.84 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

ClientSampleId :

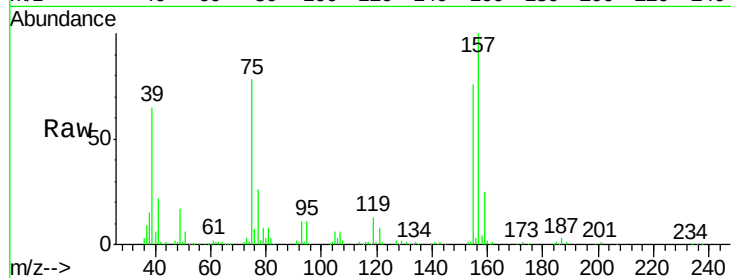
Tot Ion: 75 Resp: 43229

Ion	Ratio	Lower	Upper
75	100		
155	95.8	45.8	137.4
157	126.1	60.1	180.3

75 100

155 95.8 45.8 137.4

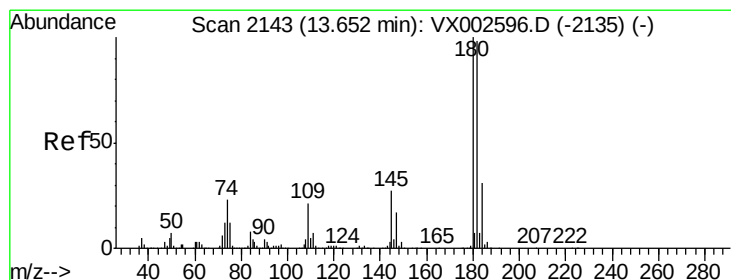
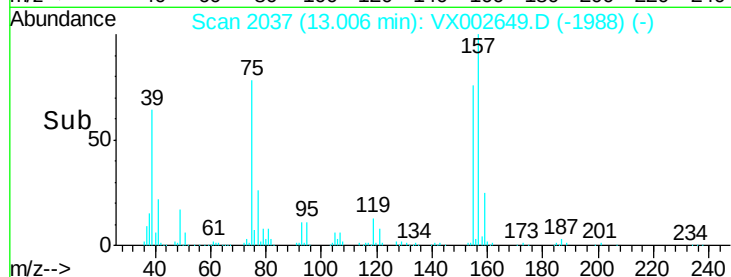
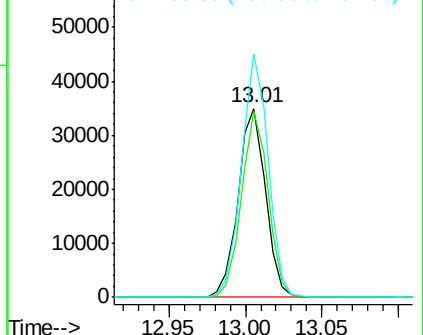
157 126.1 60.1 180.3



Abundance Ion 74.90 (74.60 to 75.60): VX002649.D (-1988) (-)

Ion 154.80 (154.50 to 155.50): VX002649.D (-1988) (-)

Ion 156.80 (156.50 to 157.50): VX002649.D (-1988) (-)



#93

1,2,4-Trichlorobenzene

Concen: 50.51 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

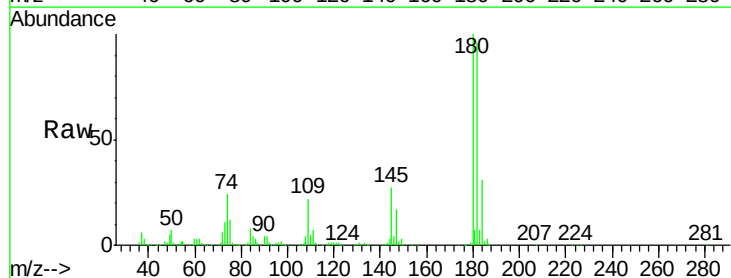
Tgt Ion: 180 Resp: 216550

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.7	143.1
145	27.9	14.1	42.4

180 100

182 95.4 47.7 143.1

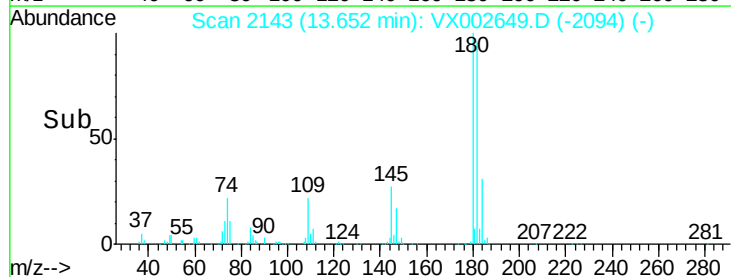
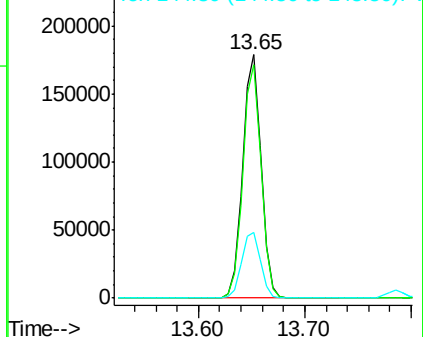
145 27.9 14.1 42.4

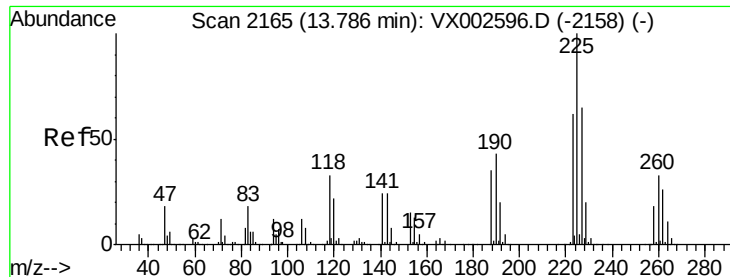


Abundance Ion 179.80 (179.50 to 180.50): VX002649.D (-2094) (-)

Ion 181.80 (181.50 to 182.50): VX002649.D (-2094) (-)

Ion 144.80 (144.50 to 145.50): VX002649.D (-2094) (-)





#94

Hexachlorobutadiene

Concen: 36.87 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

Instrument :

MSVOA_X

ClientSampled :

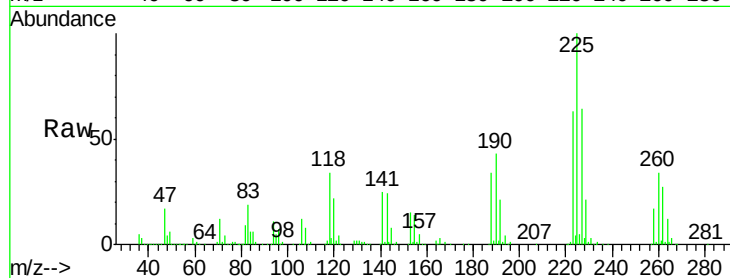
Tot Ion:225 Resp: 83260

Ion Ratio Lower Upper

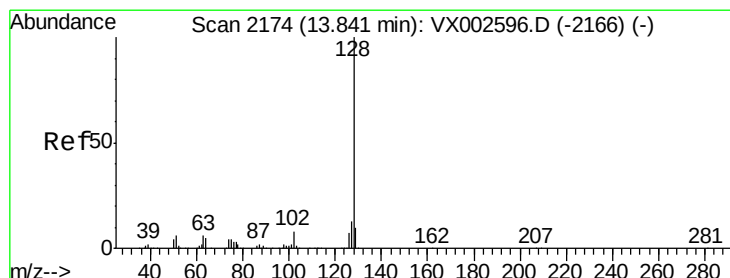
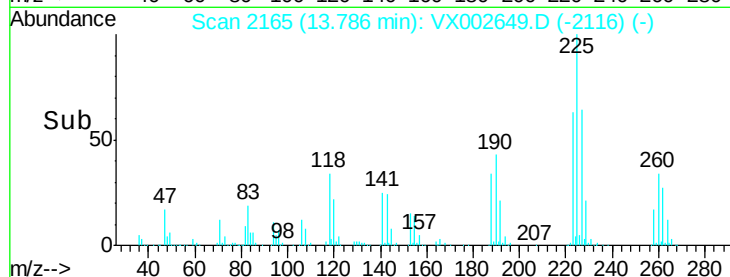
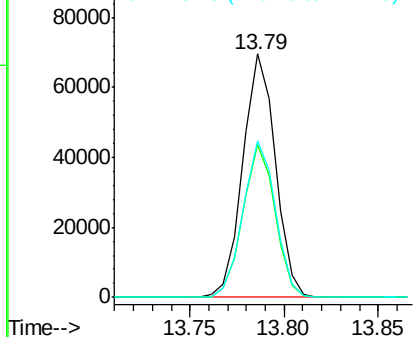
225 100

223 61.9 31.6 95.0

227 64.4 32.4 97.2



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



#95

Naphthalene

Concen: 58.23 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX002649.D

Acq: 16 Jun 2018 15:34

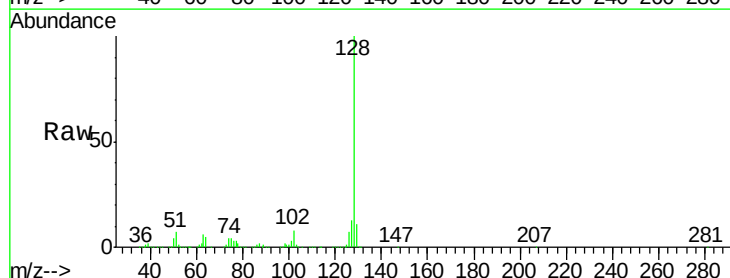
Tgt Ion:128 Resp: 671769

Ion Ratio Lower Upper

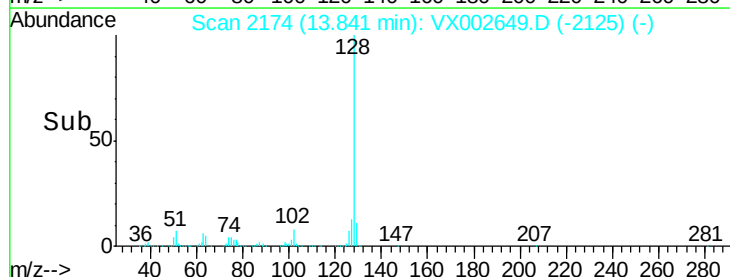
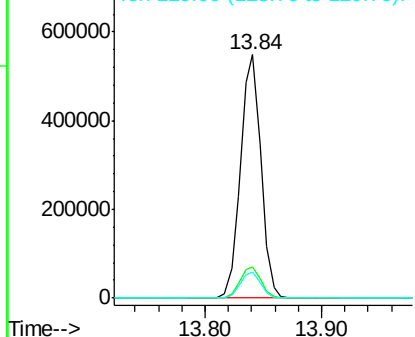
128 100

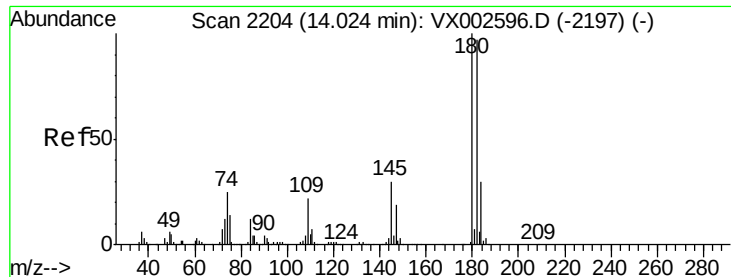
127 13.2 10.4 15.6

129 10.8 8.6 13.0



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

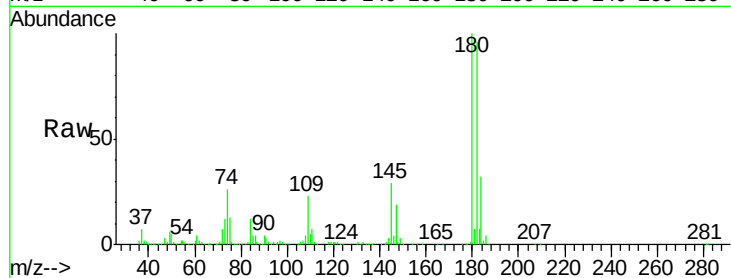




#96
 1,2,3-Trichlorobenzene
 Concen: 53.45 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VX002649.D
 Acq: 16 Jun 2018 15:34

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.0	144.0
145	28.9	14.8	44.3



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

