

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052119\
 Data File : VX009749.D
 Acq On : 21 May 2019 15:47
 Operator : JC/SP
 Sample : VX0521WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBS02

Quant Time: May 22 07:05:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	169304	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	268880	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	241543	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	114844	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	102118	44.18	ug/l	0.00
Spiked Amount			Recovery	=	88.36%	
35) Dibromofluoromethane	5.50	113	76144	45.05	ug/l	0.00
Spiked Amount			Recovery	=	90.10%	
50) Toluene-d8	8.71	98	296760	43.49	ug/l	0.00
Spiked Amount			Recovery	=	86.98%	
62) 4-Bromofluorobenzene	11.13	95	108622	43.81	ug/l	0.00
Spiked Amount			Recovery	=	87.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	28256	18.111	ug/l	99
3) Chloromethane	1.32	50	42866	20.125	ug/l	99
4) Vinyl Chloride	1.41	62	40697	19.594	ug/l	96
5) Bromomethane	1.64	94	25800	20.695	ug/l	99
6) Chloroethane	1.72	64	25415	19.058	ug/l	96
7) Trichlorofluoromethane	1.93	101	49160	19.471	ug/l	99
8) Diethyl Ether	2.19	74	22356	18.693	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.38	101	30099	18.984	ug/l	99
10) Methyl Iodide	2.51	142	31803	20.272	ug/l	99
11) Tert butyl alcohol	3.04	59	50148	93.737	ug/l	99
12) 1,1-Dichloroethene	2.37	96	30937	19.475	ug/l	99
13) Acrolein	2.29	56	35224	72.702	ug/l	98
14) Allyl chloride	2.73	41	72667	18.771	ug/l	99
15) Acrylonitrile	3.14	53	125435	95.892	ug/l	100
16) Acetone	2.45	43	125553	101.169	ug/l	98
17) Carbon Disulfide	2.57	76	88716	19.892	ug/l	99
18) Methyl Acetate	2.78	43	53091	17.988	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	114274	18.525	ug/l	99
20) Methylene Chloride	2.85	84	37474	18.649	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	32921	19.109	ug/l	97
22) Diisopropyl ether	3.85	45	143415	19.263	ug/l	90
23) Vinyl Acetate	3.82	43	639281	100.275	ug/l	98
24) 1,1-Dichloroethane	3.70	63	68881	18.755	ug/l	99
25) 2-Butanone	4.68	43	193260	100.212	ug/l	97
26) 2,2-Dichloropropane	4.59	77	51287	18.761	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	38430	18.688	ug/l	99
28) Bromochloromethane	5.02	49	33535	21.098	ug/l	97
29) Tetrahydrofuran	5.13	42	124477	100.305	ug/l	98
30) Chloroform	5.21	83	62797	18.905	ug/l	98
31) Cyclohexane	5.58	56	68362	20.007	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	52061	18.827	ug/l	98
36) 1,1-Dichloropropene	5.80	75	47170	18.878	ug/l	98
37) Ethyl Acetate	4.84	43	70252	20.179	ug/l	100
38) Carbon Tetrachloride	5.78	117	43116	18.992	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	60353	19.667	ug/l	99
40) Benzene	6.14	78	150960	19.521	ug/l	99
41) Methacrylonitrile	5.04	41	39375	19.000	ug/l	98
42) 1,2-Dichloroethane	6.19	62	54921	19.798	ug/l	99
43) Isopropyl Acetate	6.45	43	109482	19.660	ug/l	99
44) Trichloroethene	7.21	130	34774	18.601	ug/l	96
45) 1,2-Dichloropropane	7.51	63	42600	19.455	ug/l	96
46) Dibromomethane	7.66	93	24234	19.058	ug/l	99
47) Bromodichloromethane	7.90	83	47964	18.910	ug/l	100
48) Methyl methacrylate	7.77	41	54433	19.702	ug/l	99
49) 1,4-Dioxane	7.74	88	20632	368.233	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	367160	100.871	ug/l	98
52) Toluene	8.79	92	92205	19.615	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	54611	19.070	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	60498	19.086	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	36432	18.997	ug/l	96
56) Ethyl methacrylate	9.18	69	65616	19.167	ug/l	97
57) 1,3-Dichloropropane	9.37	76	65111	19.293	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	159577	87.869	ug/l	100
59) 2-Hexanone	9.49	43	286632	100.266	ug/l	98
60) Dibromochloromethane	9.58	129	35569	18.990	ug/l	100
61) 1,2-Dibromoethane	9.67	107	36783	19.001	ug/l	99
64) Tetrachloroethene	9.34	164	31722	19.146	ug/l	98
65) Chlorobenzene	10.13	112	93432	19.336	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	32820	18.735	ug/l	99
67) Ethyl Benzene	10.25	91	171527	19.289	ug/l	100
68) m/p-Xylenes	10.36	106	125888	38.739	ug/l	98
69) o-Xylene	10.70	106	60628	18.909	ug/l	96
70) Styrene	10.71	104	105449	18.922	ug/l	99
71) Bromoform	10.85	173	26439	18.572	ug/l #	100
73) Isopropylbenzene	11.02	105	161744	19.367	ug/l	98
74) N-amyl acetate	10.90	43	96919	19.906	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	61576	19.779	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	70434	26.440	ug/l	82
77) Bromobenzene	11.26	156	40328	19.455	ug/l	99
78) n-propylbenzene	11.36	91	185579	19.458	ug/l	100
79) 2-Chlorotoluene	11.42	91	113444	19.279	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	138017	19.627	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	19437	18.669	ug/l	90
82) 4-Chlorotoluene	11.51	91	128625	19.349	ug/l	99
83) tert-Butylbenzene	11.77	119	132015	19.299	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	137554	19.489	ug/l	99
85) sec-Butylbenzene	11.94	105	155901	19.223	ug/l	100
86) p-Isopropyltoluene	12.06	119	140522	19.274	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	70265	19.015	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	70205	18.845	ug/l	98
89) n-Butylbenzene	12.38	91	126941	19.264	ug/l	100
90) Hexachloroethane	12.60	117	23271	18.735	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	72344	19.221	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13402	19.190	ug/l	98

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Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

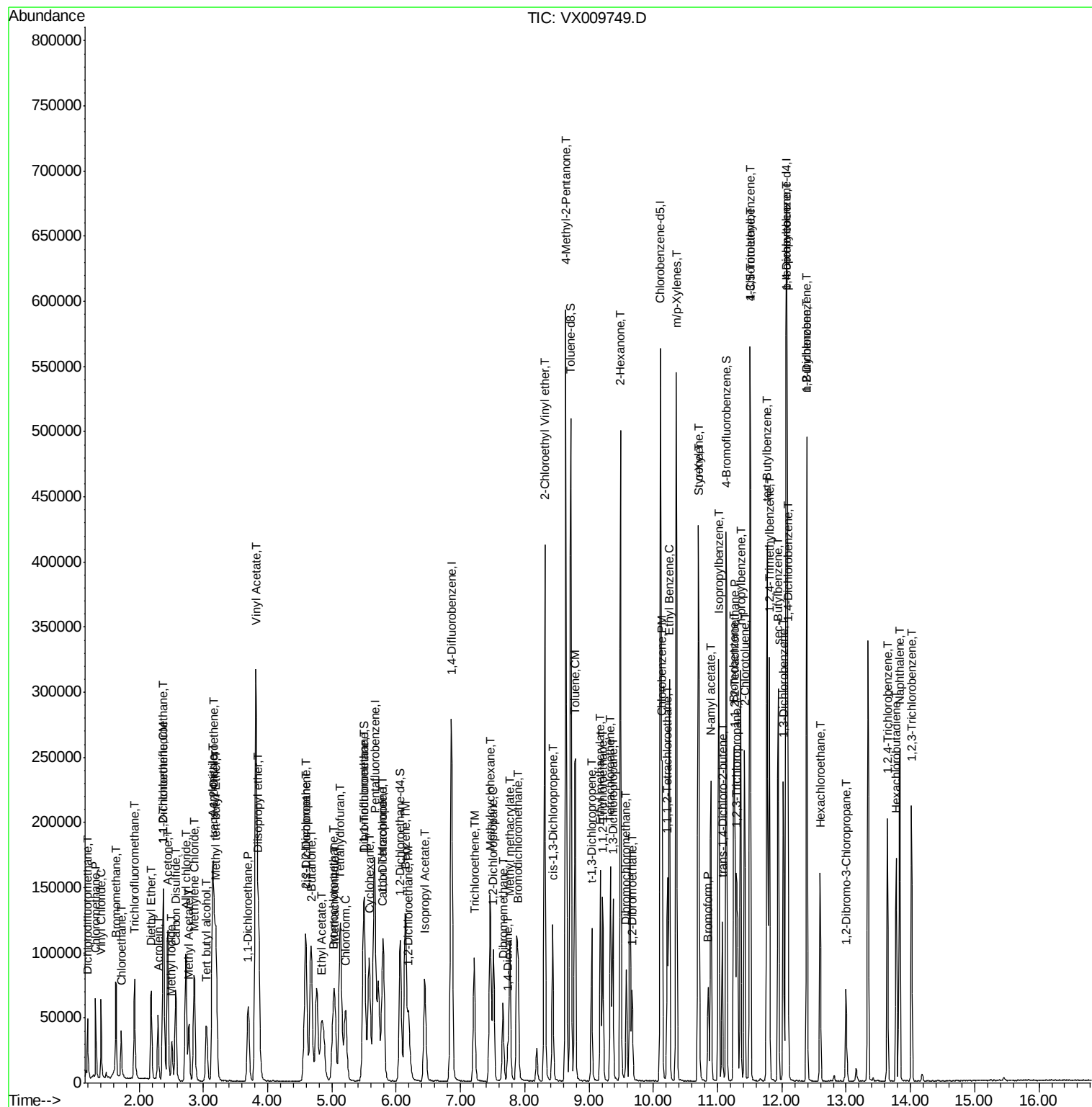
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	49517	19.239	ug/l	97
94) Hexachlorobutadiene	13.78	225	25525	19.421	ug/l	99
95) Naphthalene	13.83	128	155448	18.564	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	49377	18.926	ug/l	99

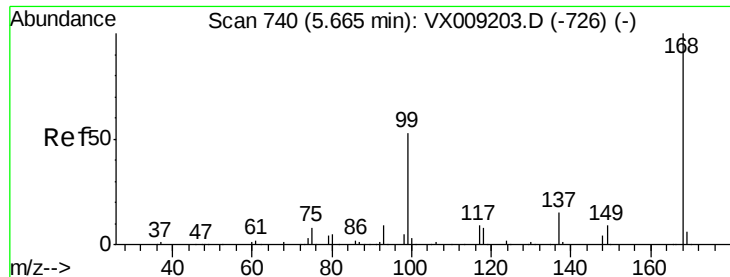
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX052119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

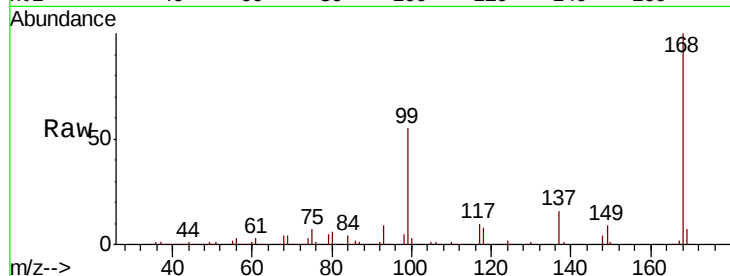
VX0521WBS02

Tot Ion:168 Resp: 169304

Ion Ratio Lower Upper

168 100

99 55.0 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

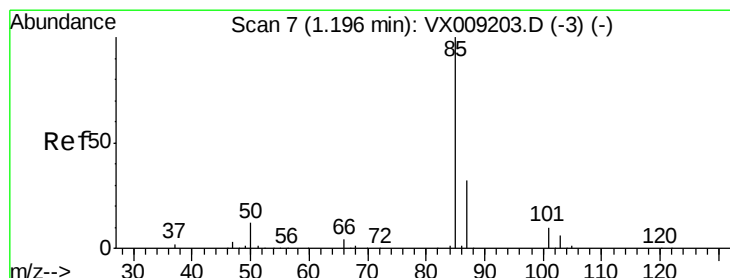
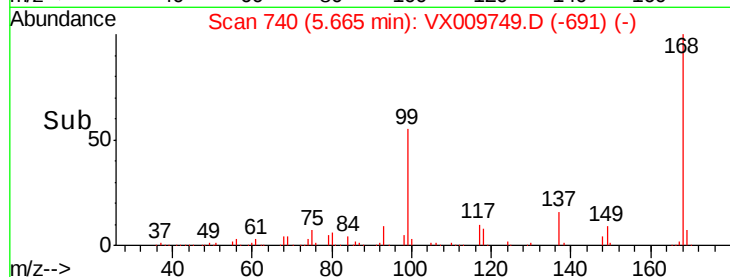
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 18.111 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009749.D

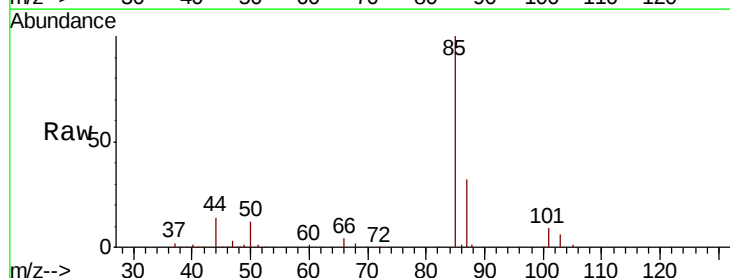
Acq: 21 May 2019 15:47

Tgt Ion: 85 Resp: 28256

Ion Ratio Lower Upper

85 100

87 31.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

30000

25000

20000

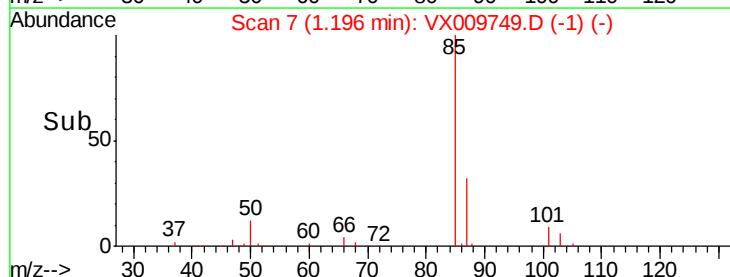
15000

10000

5000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 20.125 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

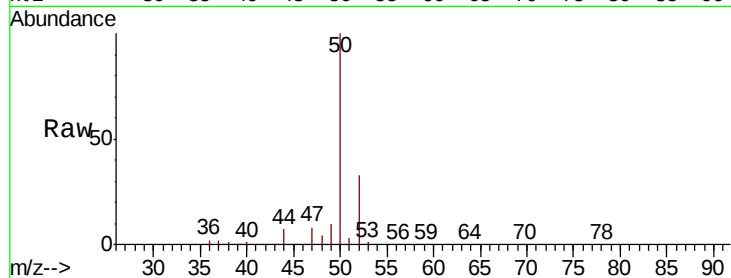
VX0521WBS02

Tot Ion: 50 Resp: 42866

Ion Ratio Lower Upper

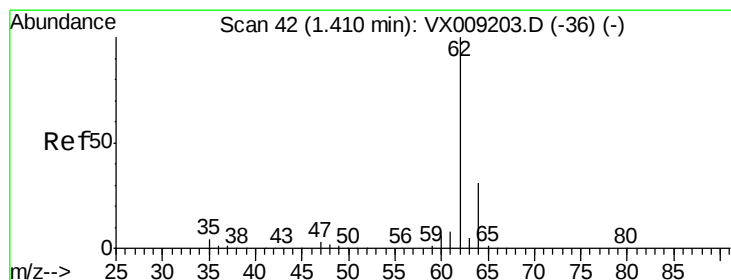
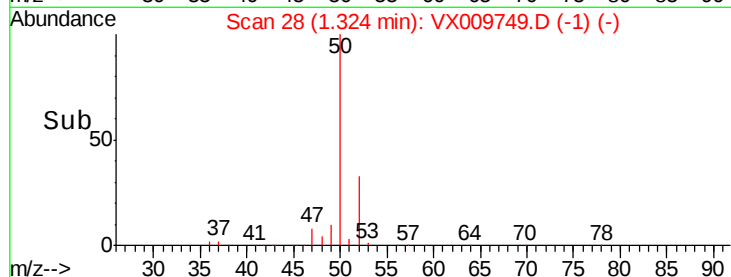
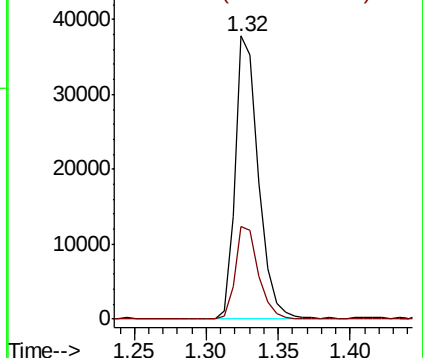
50 100

52 32.7 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.594 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009749.D

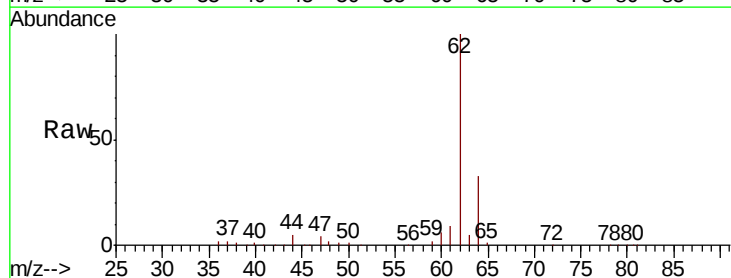
Acq: 21 May 2019 15:47

Tgt Ion: 62 Resp: 40697

Ion Ratio Lower Upper

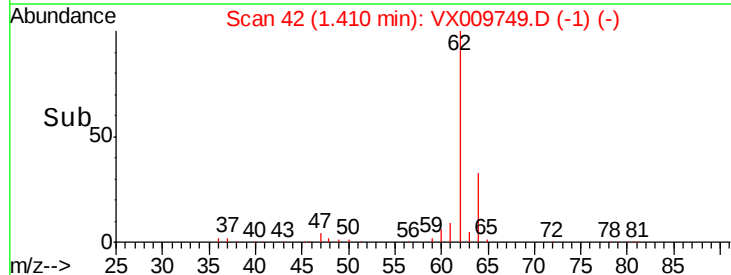
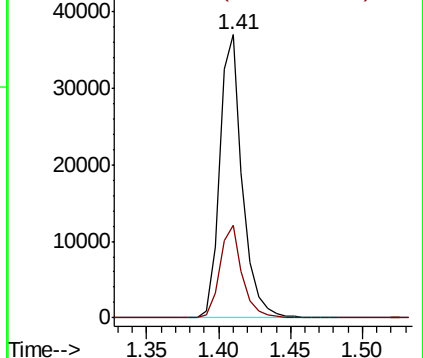
62 100

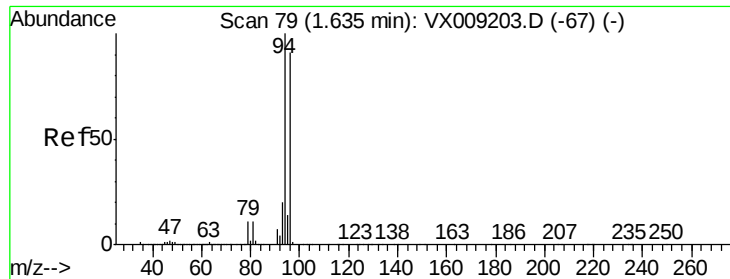
64 32.8 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.695 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampled :

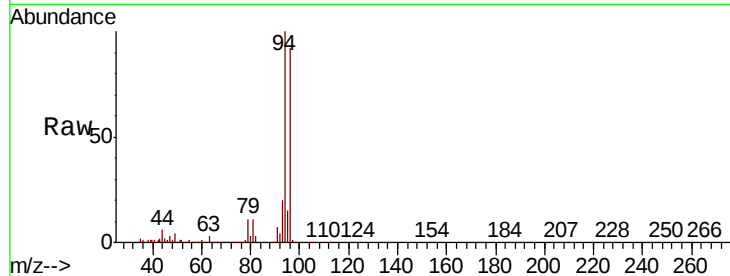
VX0521WBS02

Tot Ion: 94 Resp: 25800

Ion Ratio Lower Upper

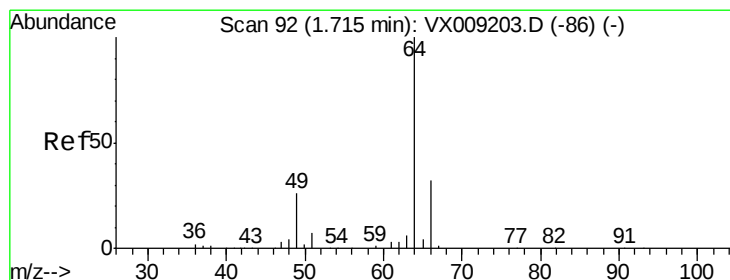
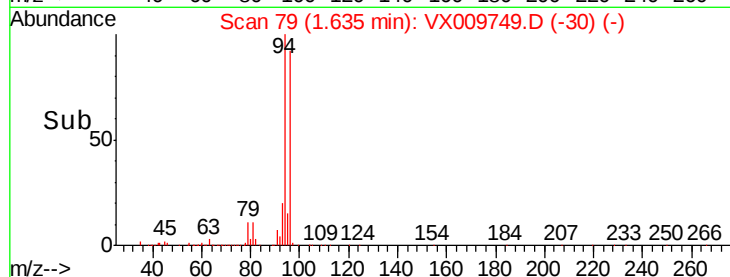
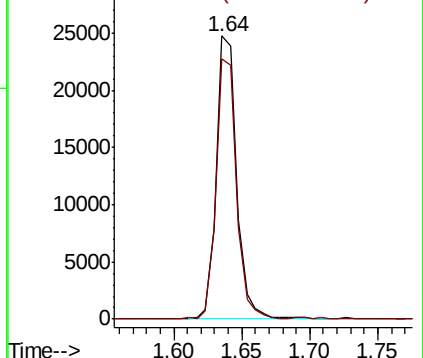
94 100

96 92.1 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.058 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009749.D

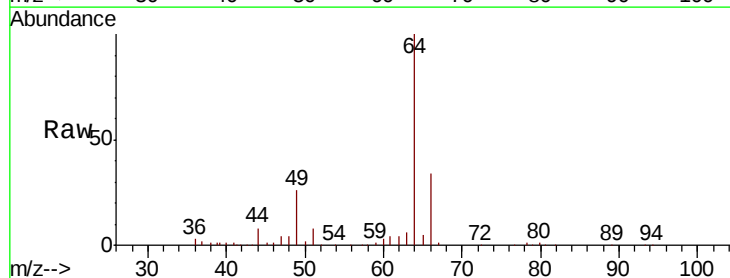
Acq: 21 May 2019 15:47

Tgt Ion: 64 Resp: 25415

Ion Ratio Lower Upper

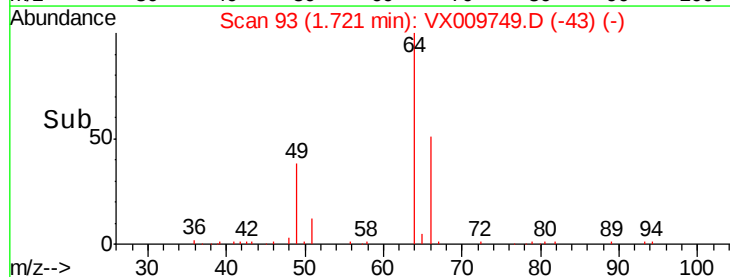
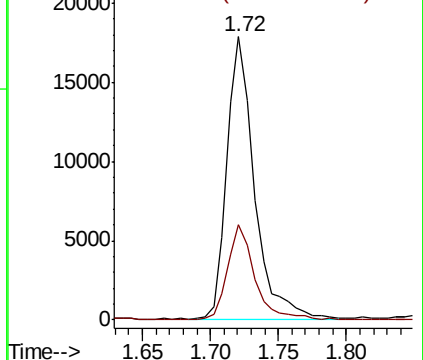
64 100

66 33.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



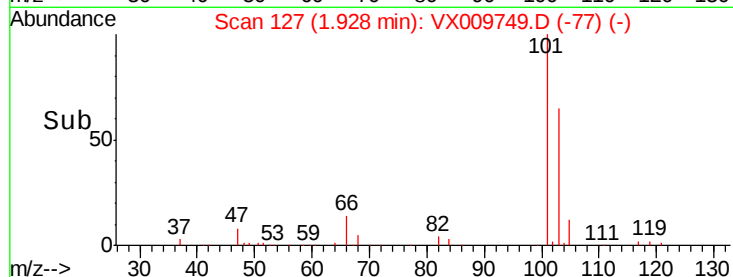
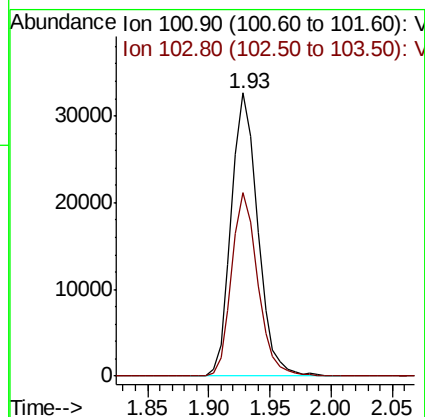
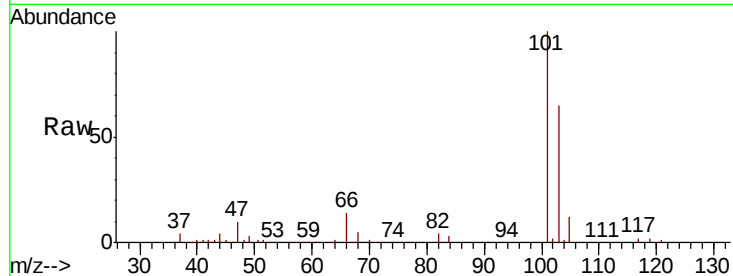


#7

Trichlorofluoromethane
Concen: 19.471 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS02

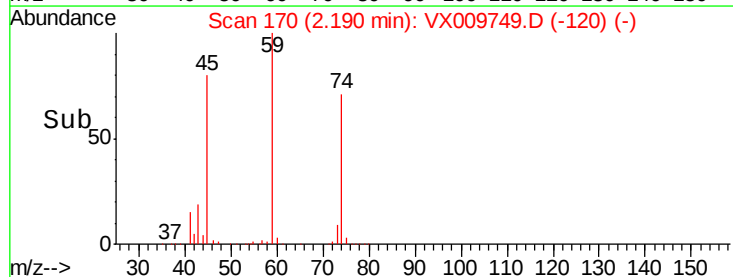
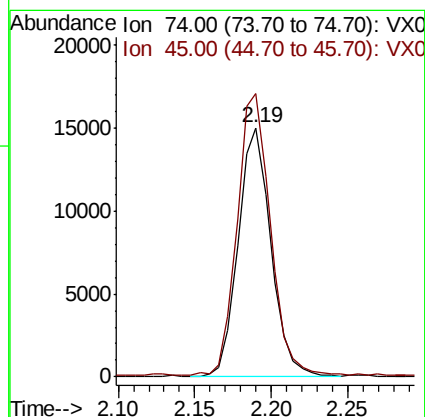
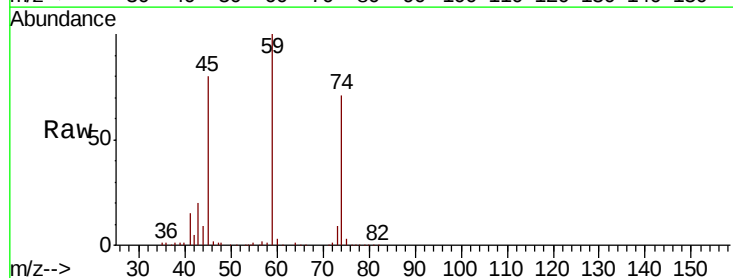
Tot Ion:101 Resp: 49160
Ion Ratio Lower Upper
101 100
103 64.8 52.4 78.6



#8

Diethyl Ether
Concen: 18.693 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Tgt Ion: 74 Resp: 22356
Ion Ratio Lower Upper
74 100
45 114.5 53.3 159.9

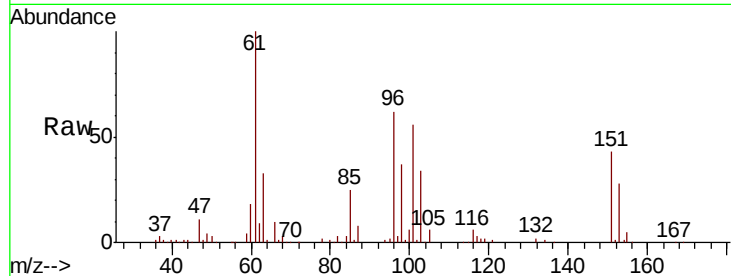




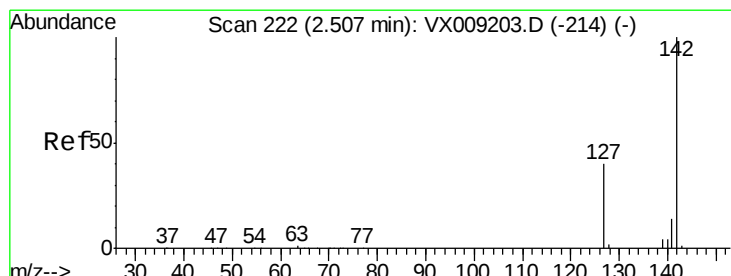
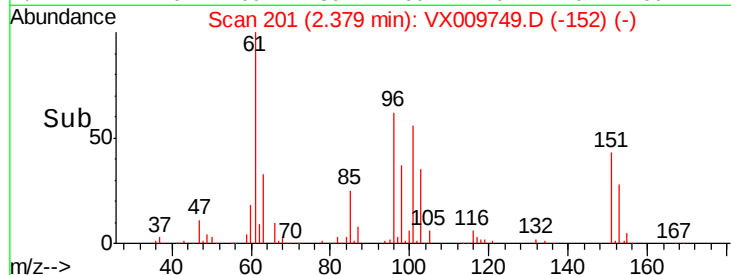
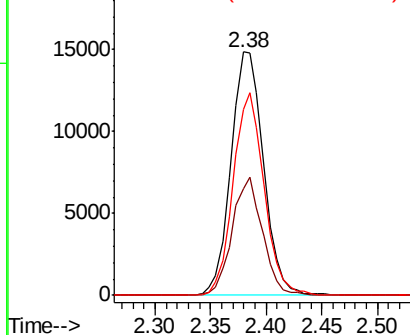
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.984 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. -0.00 min
 Lab File: VX009749.D
 Acq: 21 May 2019 15:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBS02

Tot Ion:101 Resp: 30099
 Ion Ratio Lower Upper
 101 100
 85 45.1 35.7 53.5
 151 78.9 62.2 93.2

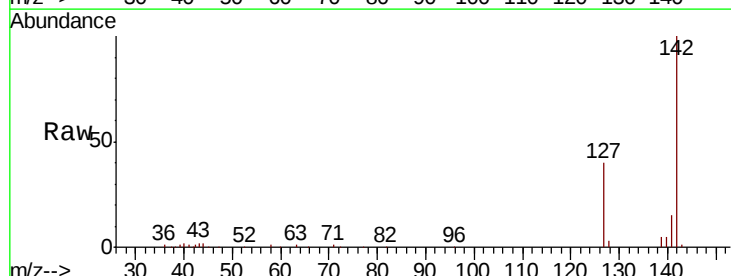


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 150.80 (150.50 to 151.50): V

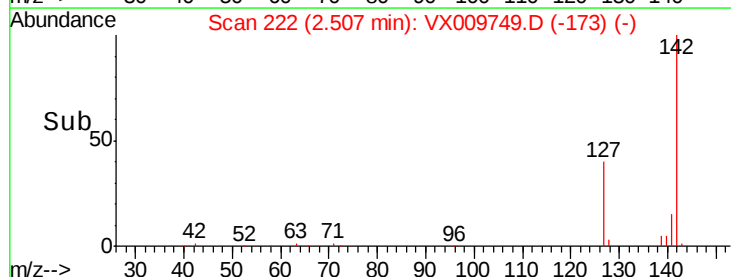
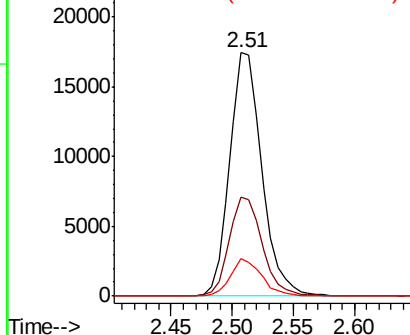


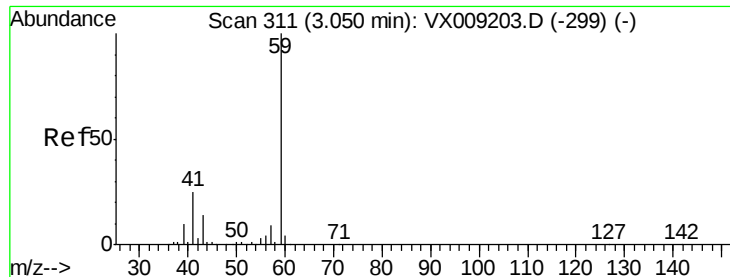
#10
 Methyl Iodide
 Concen: 20.272 ug/l
 RT: 2.51 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VX009749.D
 Acq: 21 May 2019 15:47

Tgt Ion:142 Resp: 31803
 Ion Ratio Lower Upper
 142 100
 127 41.5 32.7 49.1
 141 15.0 11.5 17.3



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

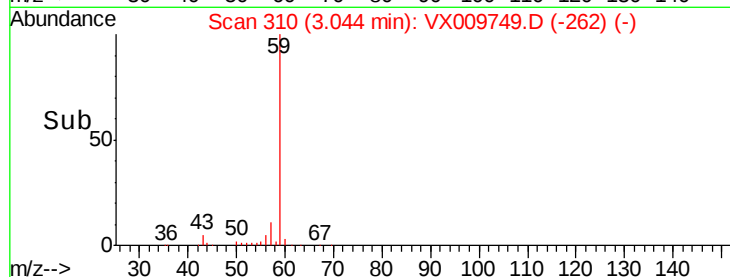
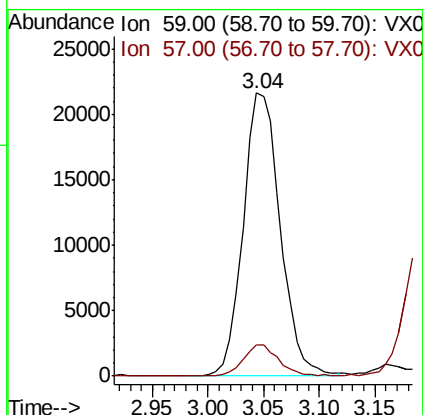
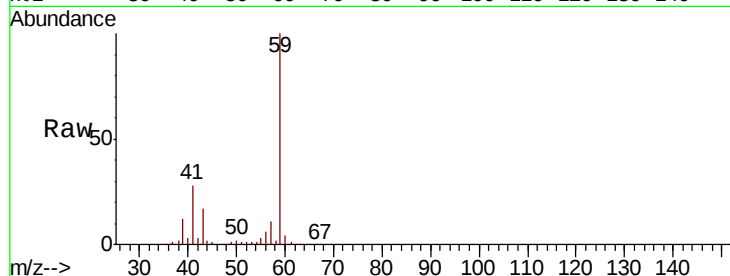




#11
Tert butyl alcohol
Concen: 93.737 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

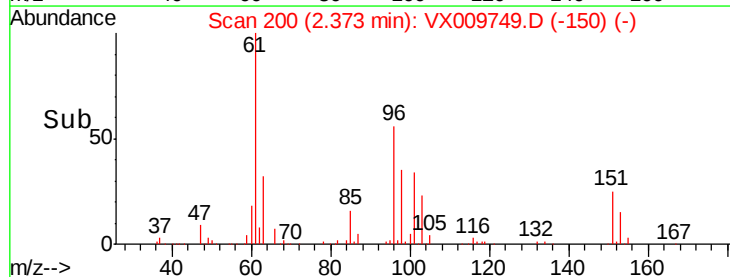
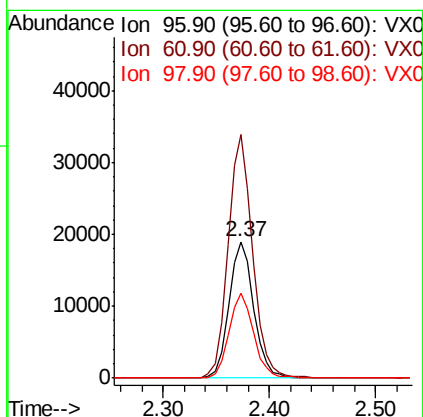
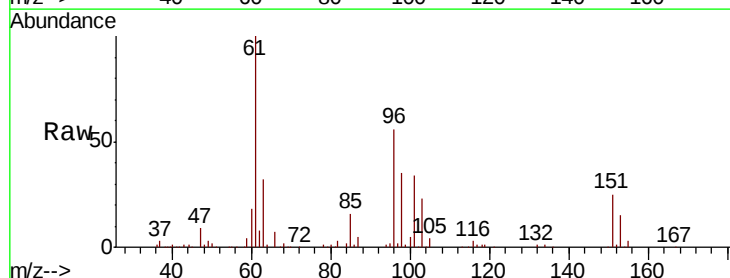
Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS02

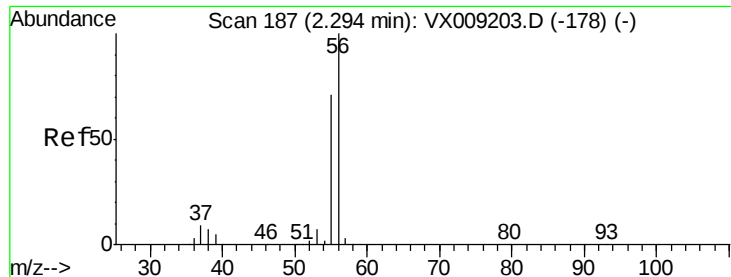
Tot Ion: 59 Resp: 50148
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.2



#12
1,1-Dichloroethene
Concen: 19.475 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Tgt Ion: 96 Resp: 30937
Ion Ratio Lower Upper
96 100
61 178.6 144.3 216.5
98 61.8 50.3 75.5





#13

Acrolein

Concen: 72.702 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

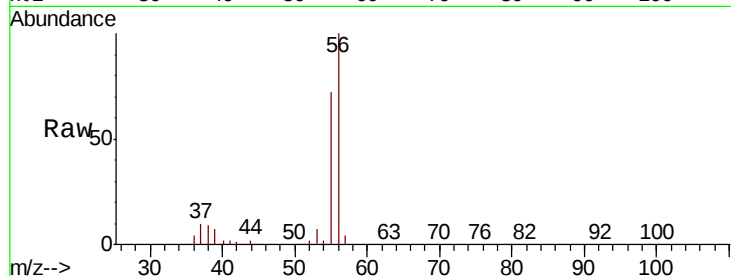
VX0521WBS02

Tot Ion: 56 Resp: 35224

Ion Ratio Lower Upper

56 100

55 72.8 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

25000

20000

15000

10000

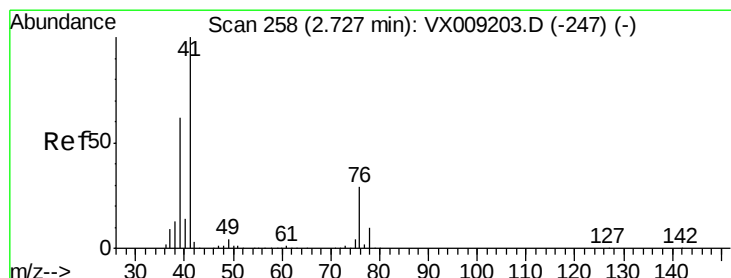
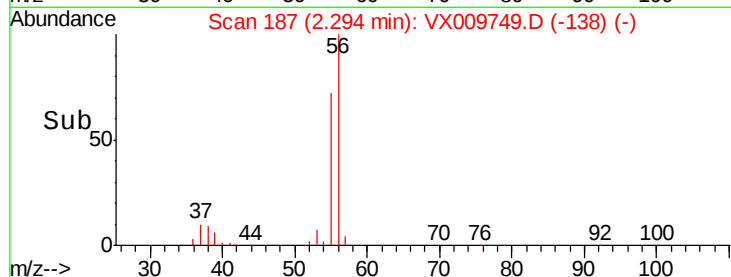
5000

0

2.29

2.20 2.25 2.30 2.35 2.40

Time-->



#14

Allyl chloride

Concen: 18.771 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

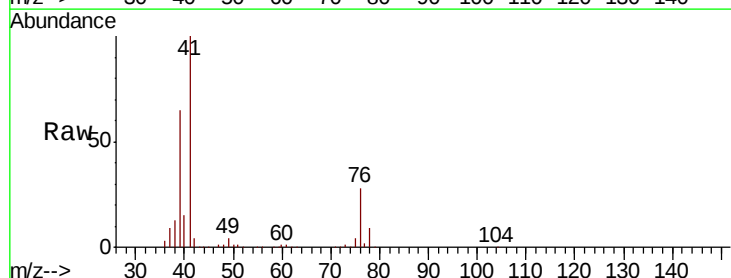
Tgt Ion: 41 Resp: 72667

Ion Ratio Lower Upper

41 100

39 58.9 46.7 70.1

76 26.2 21.8 32.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

50000

40000

30000

20000

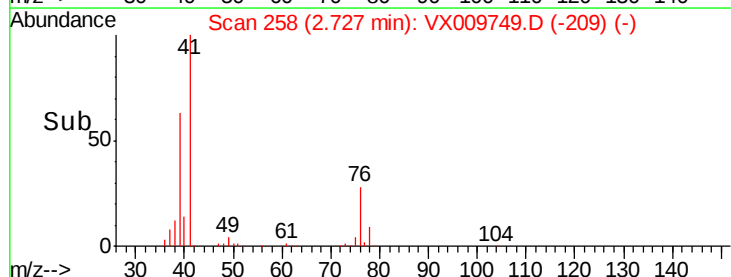
10000

0

2.73

2.60 2.70 2.80

Time-->





#15

Acrylonitrile

Concen: 95.892 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS02

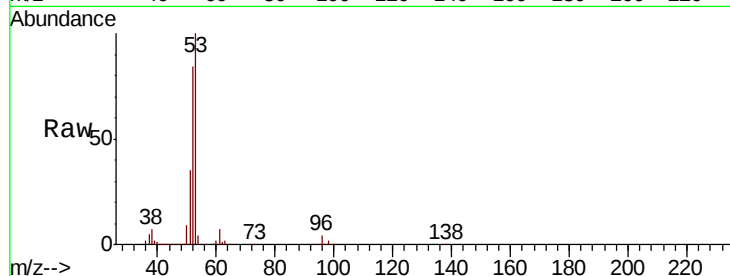
Tot Ion: 53 Resp: 125435

Ion Ratio Lower Upper

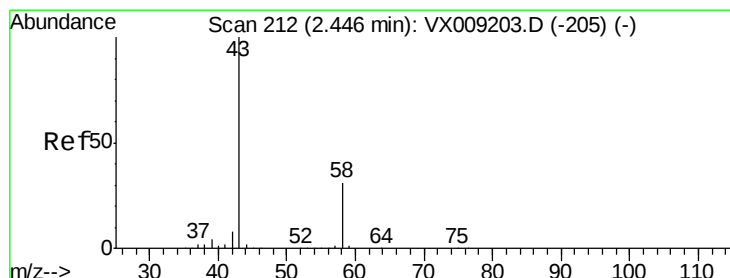
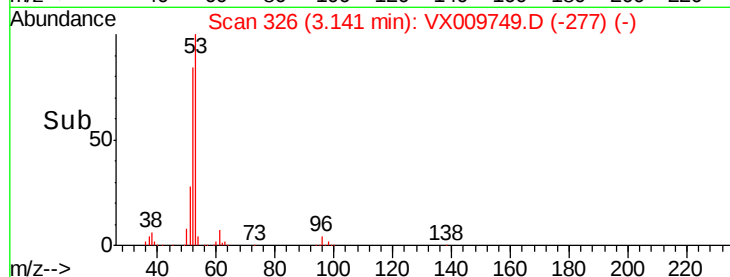
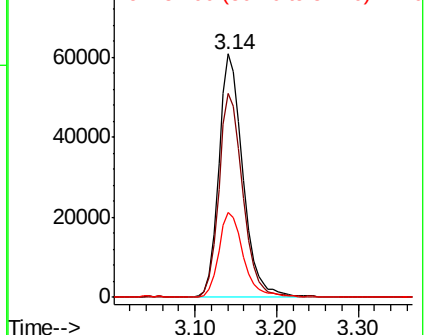
53 100

52 83.6 66.9 100.3

51 36.0 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 101.169 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009749.D

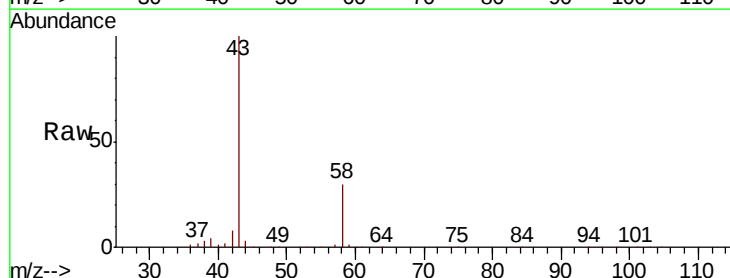
Acq: 21 May 2019 15:47

Tgt Ion: 43 Resp: 125553

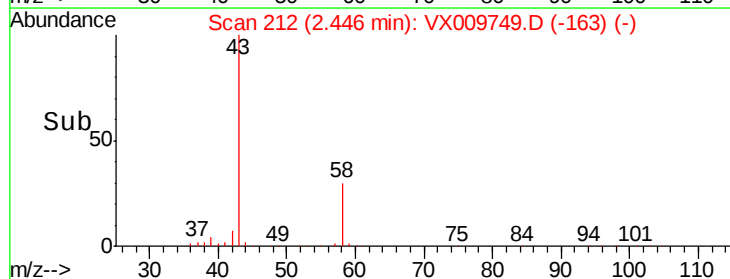
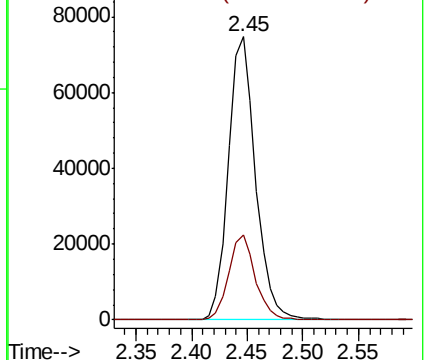
Ion Ratio Lower Upper

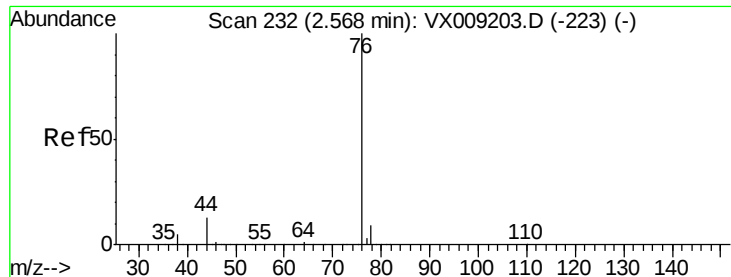
43 100

58 29.8 24.9 37.3



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





#17

Carbon Disulfide

Concen: 19.892 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

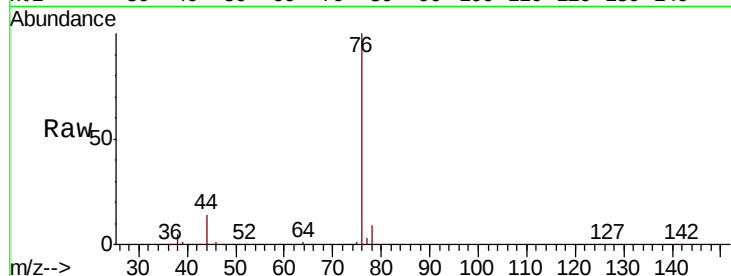
VX0521WBS02

Tot Ion: 76 Resp: 88716

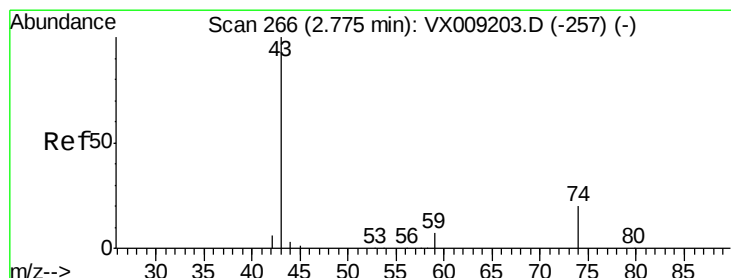
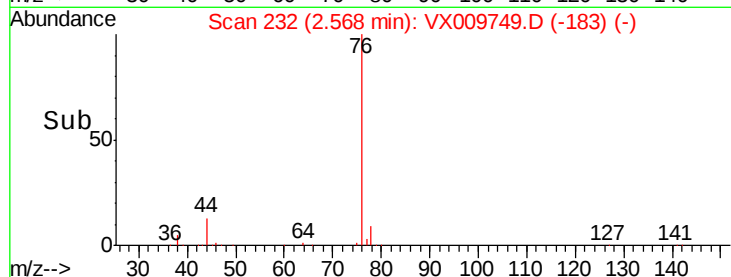
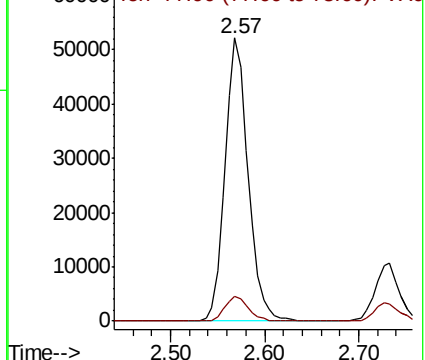
Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0
Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 17.988 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX009749.D

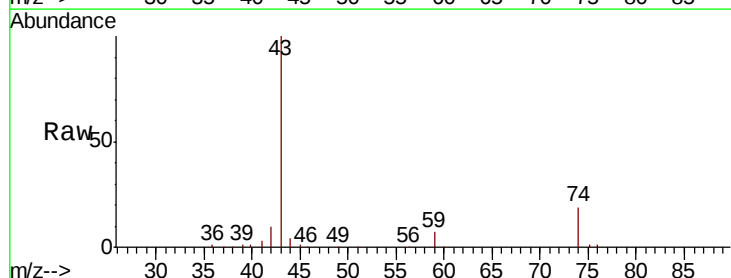
Acq: 21 May 2019 15:47

Tgt Ion: 43 Resp: 53091

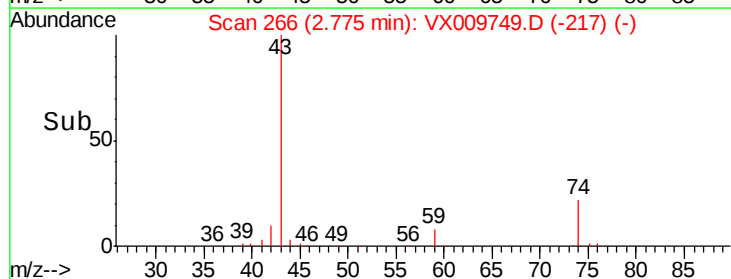
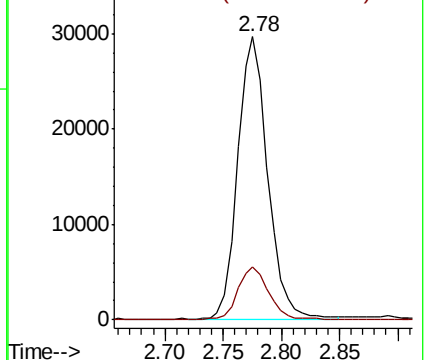
Ion Ratio Lower Upper

43 100

74 19.8 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 74.00 (73.70 to 74.70): VX0

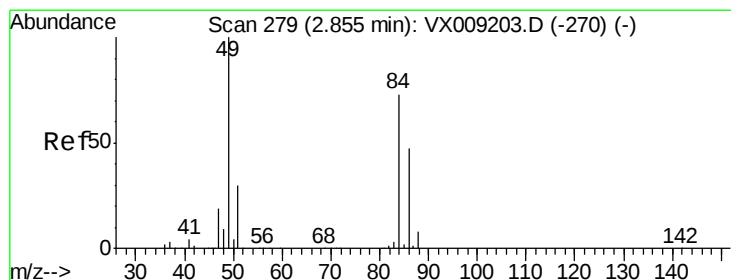
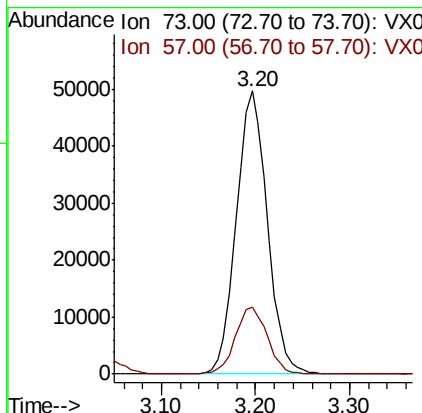
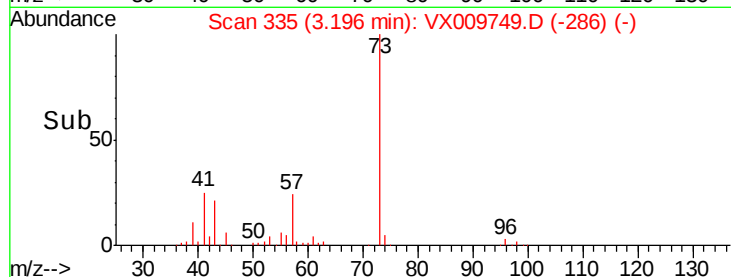
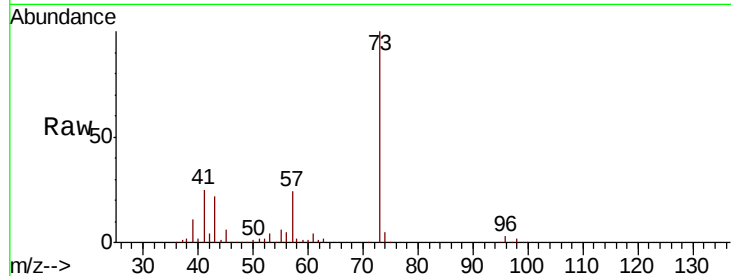




#19
Methvl tert-butvl Ether
Concen: 18.525 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

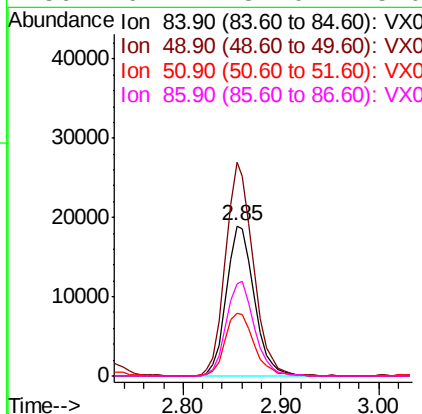
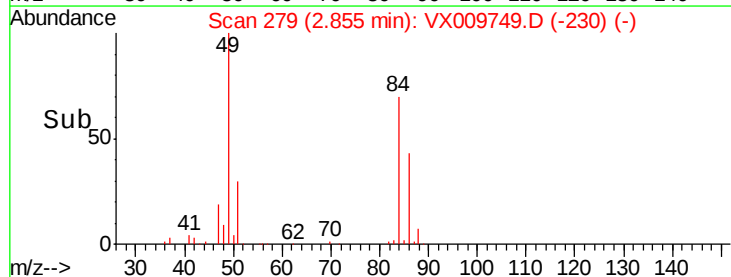
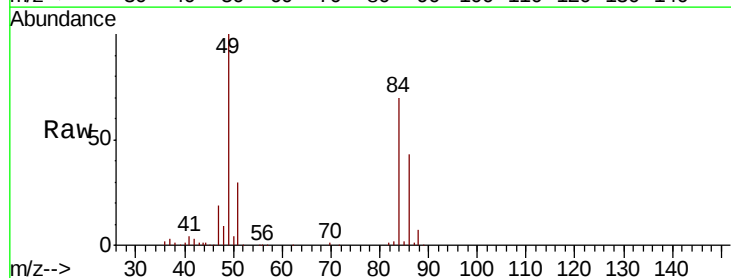
Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS02

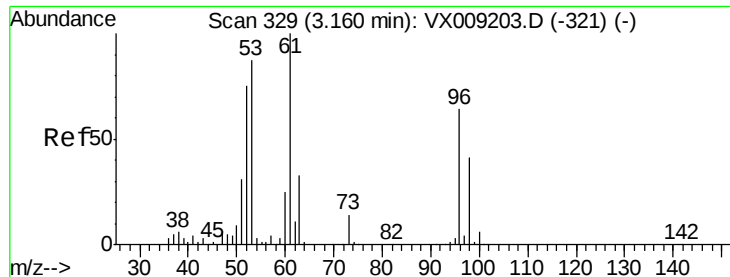
Tot Ion: 73 Resp: 114274
Ion Ratio Lower Upper
73 100
57 23.8 19.3 28.9



#20
Methylene Chloride
Concen: 18.649 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Tgt Ion: 84 Resp: 37474
Ion Ratio Lower Upper
84 100
49 141.9 109.9 164.9
51 42.0 32.7 49.1
86 61.7 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 19.109 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS02

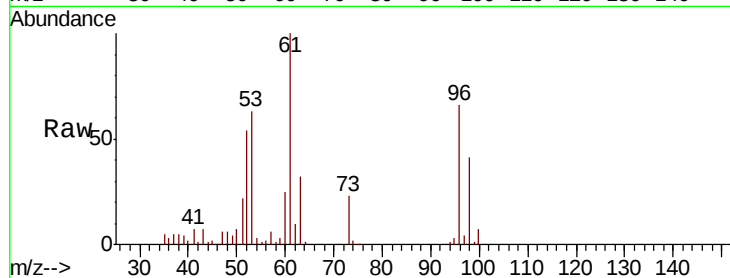
Tot Ion: 96 Resp: 32921

Ion Ratio Lower Upper

96 100

61 150.6 124.5 186.7

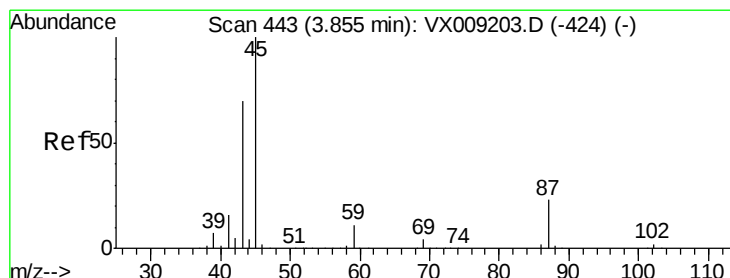
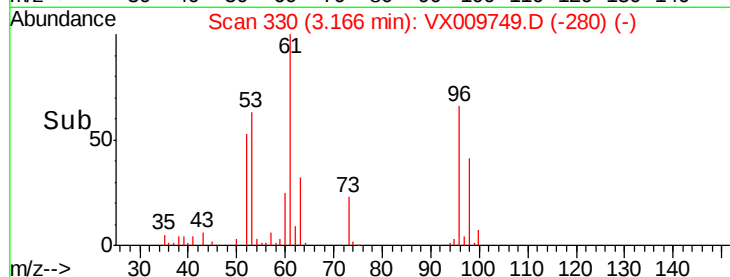
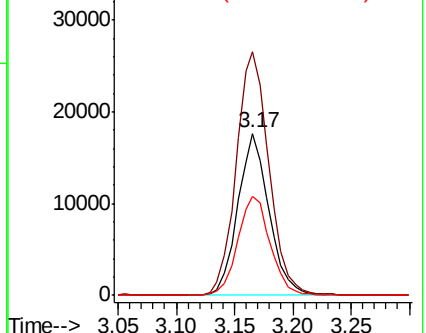
98 61.4 50.4 75.6



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: 19.263 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Tgt Ion: 45 Resp: 143415

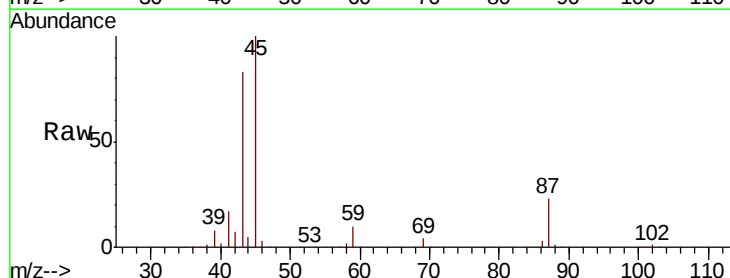
Ion Ratio Lower Upper

45 100

43 82.1 56.1 84.1

87 22.9 18.1 27.1

59 10.4 8.5 12.7

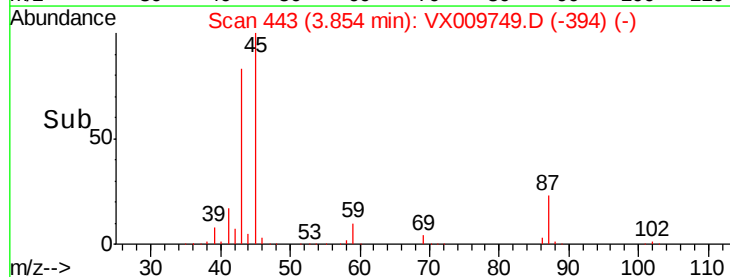
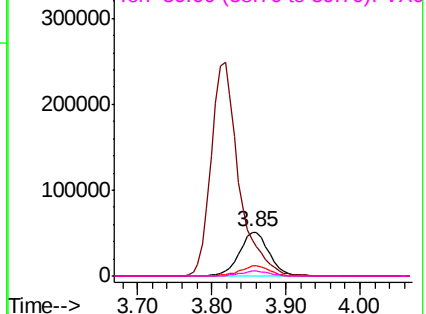


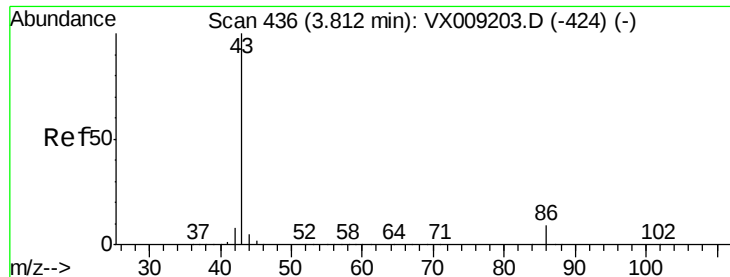
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 100.275 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampled :

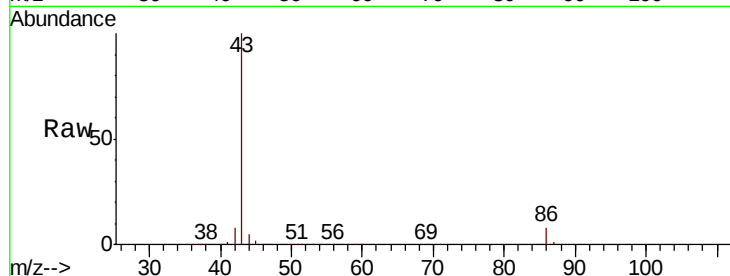
VX0521WBS02

Tot Ion: 43 Resp: 639281

Ion Ratio Lower Upper

43 100

86 8.0 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

250000

200000

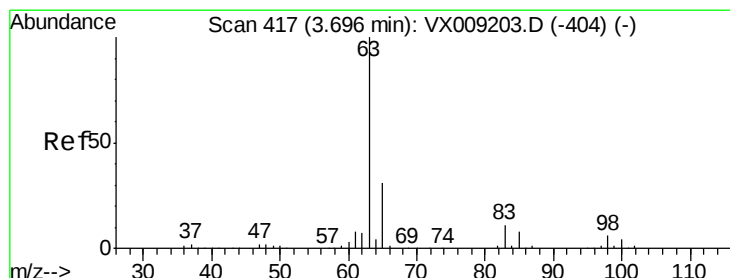
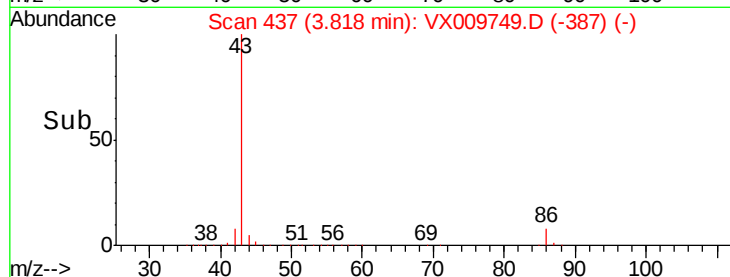
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.755 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

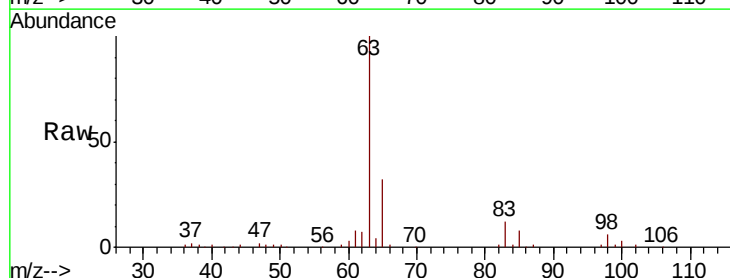
Tgt Ion: 63 Resp: 68881

Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.2

100 3.5 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

40000

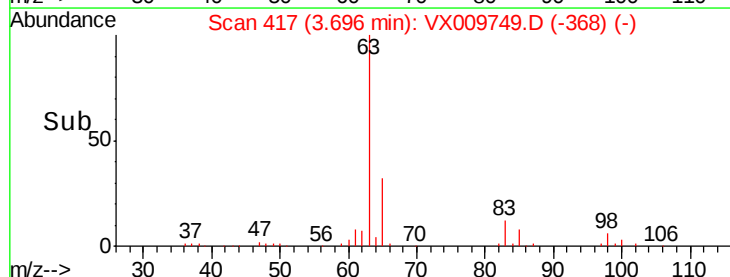
30000

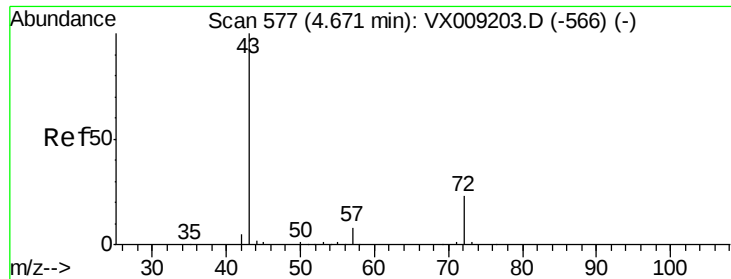
20000

10000

0

Time-->





#25

2-Butanone

Concen: 100.212 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

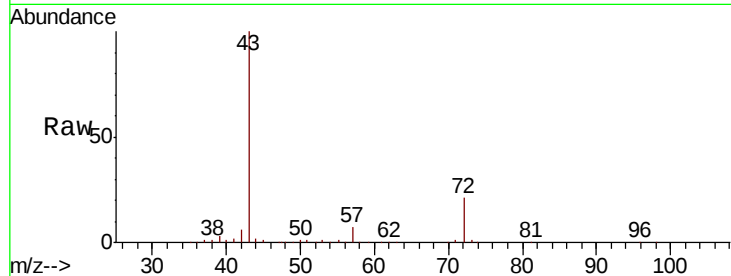
VX0521WBS02

Tot Ion: 43 Resp: 193260

Ion Ratio Lower Upper

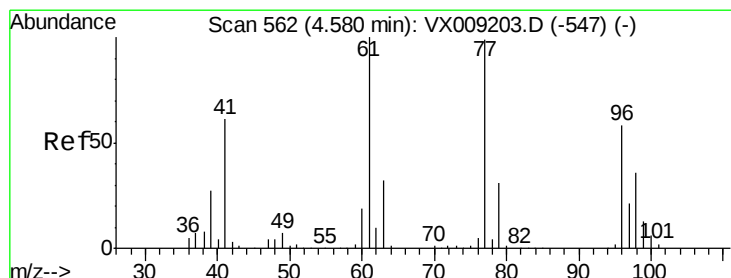
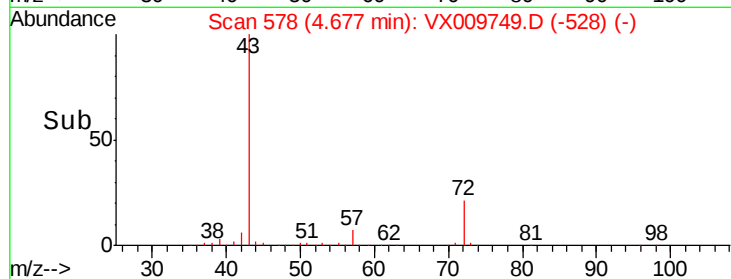
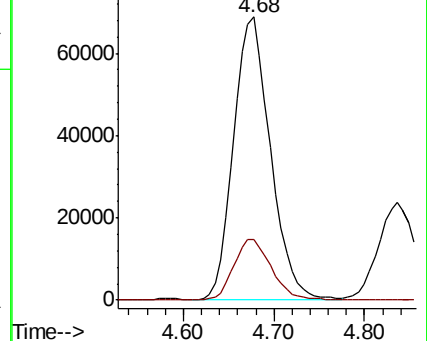
43 100

72 21.3 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 18.761 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009749.D

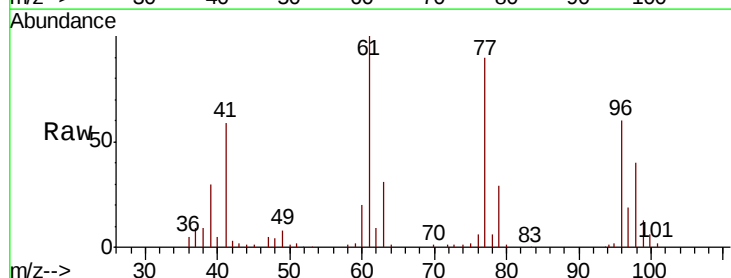
Acq: 21 May 2019 15:47

Tgt Ion: 77 Resp: 51287

Ion Ratio Lower Upper

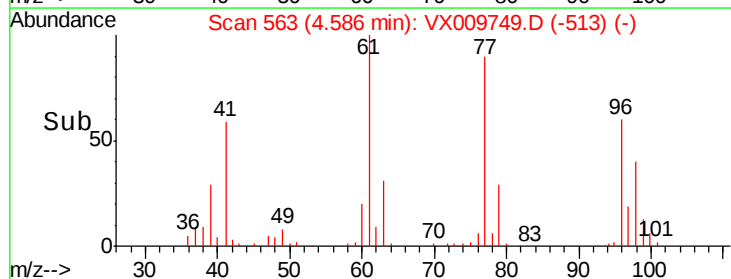
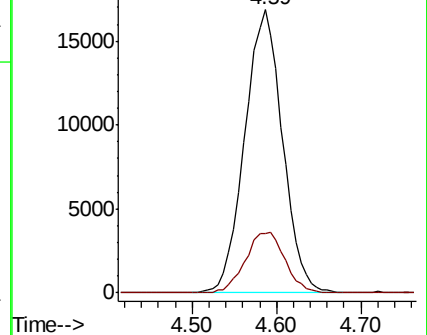
77 100

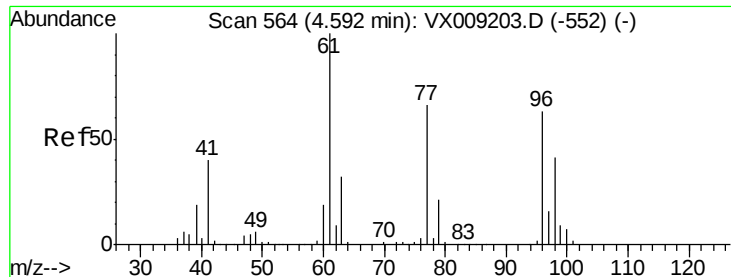
97 22.5 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



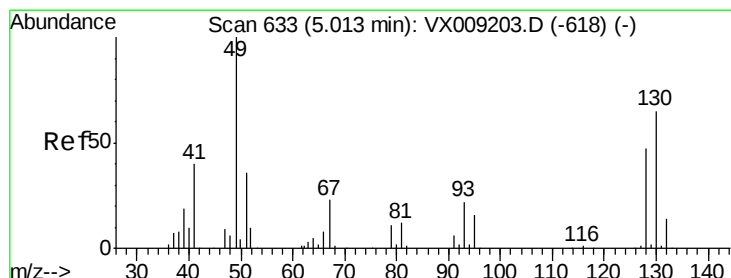
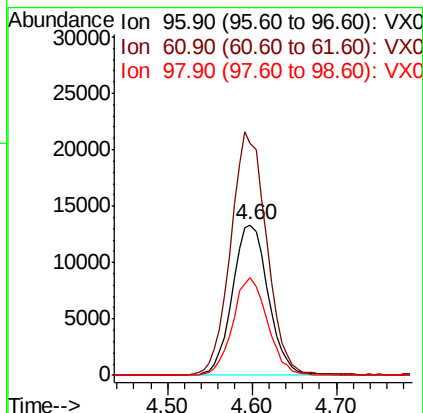
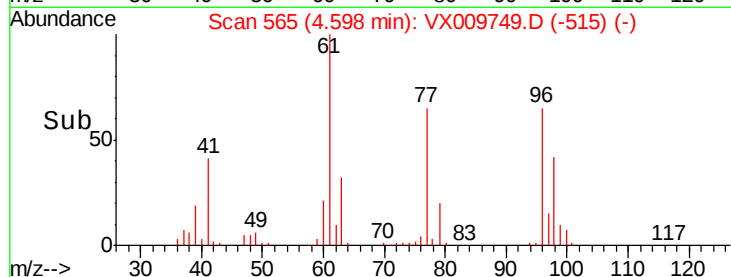
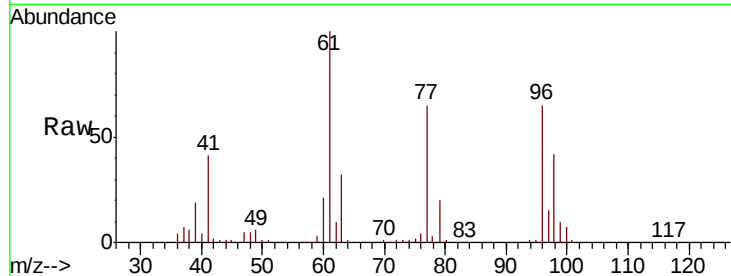


#27

cis-1,2-Dichloroethene
Concen: 18.688 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS02

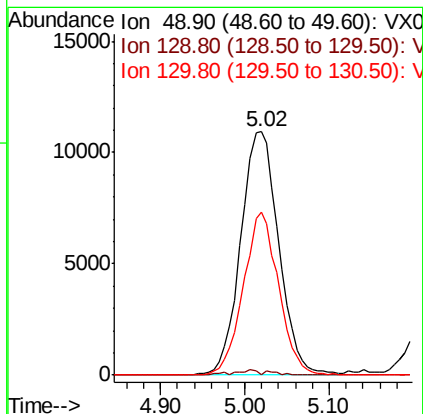
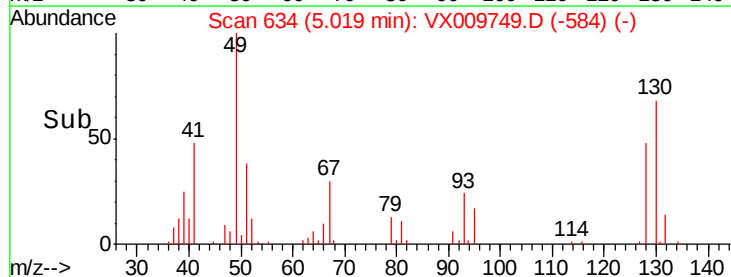
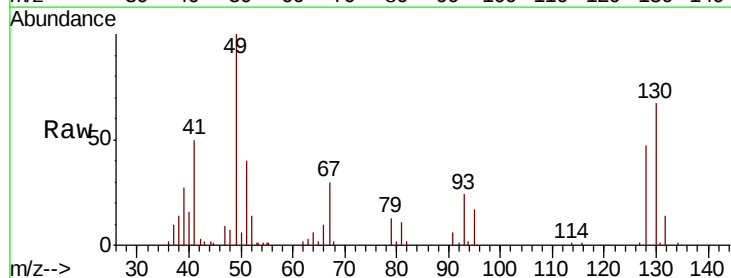
Tot Ion: 96 Resp: 38430
Ion Ratio Lower Upper
96 100
61 162.6 0.0 324.0
98 62.8 0.0 130.4

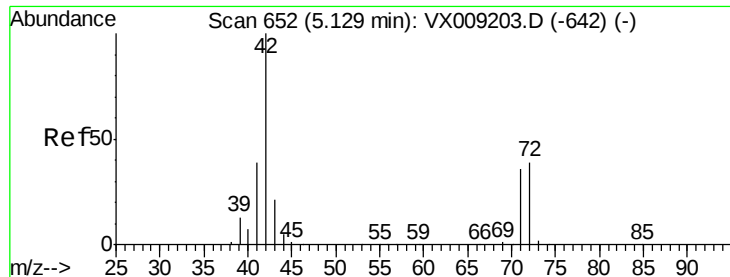


#28

Bromochloromethane
Concen: 21.098 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Tgt Ion: 49 Resp: 33535
Ion Ratio Lower Upper
49 100
129 0.6 0.0 3.8
130 62.0 51.2 76.8





#29

Tetrahydrofuran

Concen: 100.305 ug/l

RT: 5.13 min Scan# 652

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS02

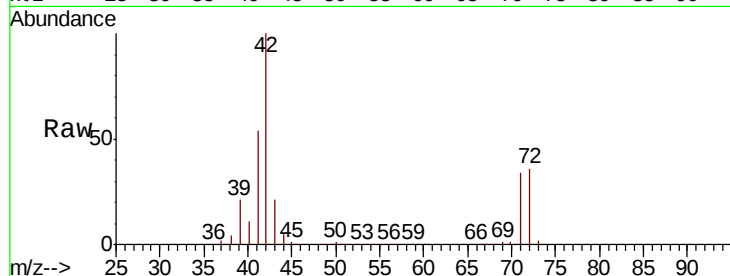
Tot Ion: 42 Resp: 124477

Ion Ratio Lower Upper

42 100

72 36.8 30.4 45.6

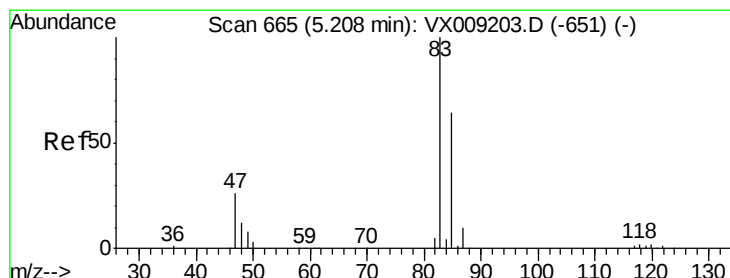
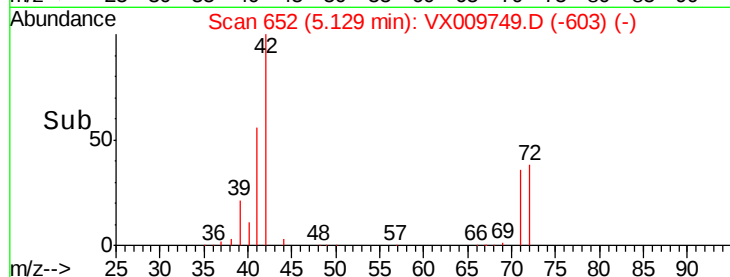
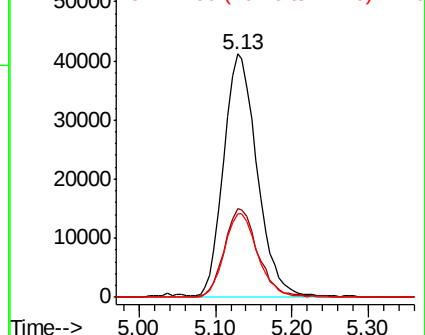
71 34.6 28.6 43.0



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 18.905 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.01 min

Lab File: VX009749.D

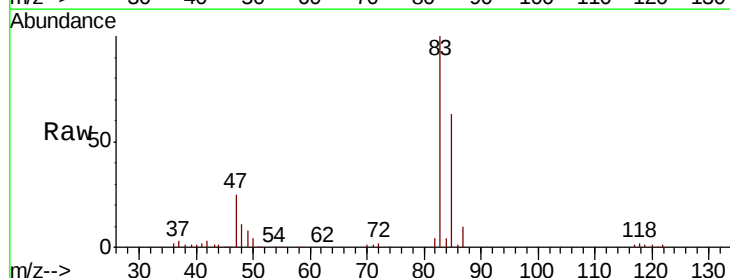
Acq: 21 May 2019 15:47

Tgt Ion: 83 Resp: 62797

Ion Ratio Lower Upper

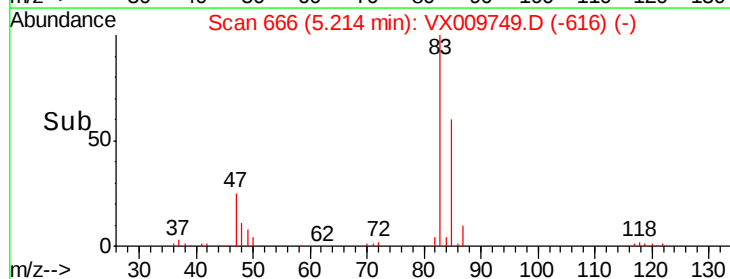
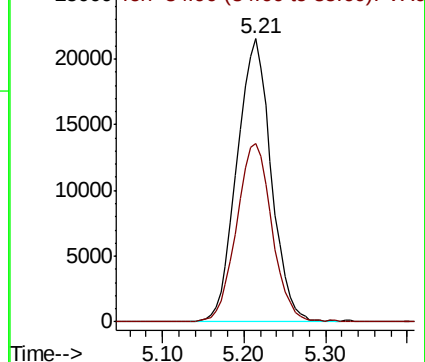
83 100

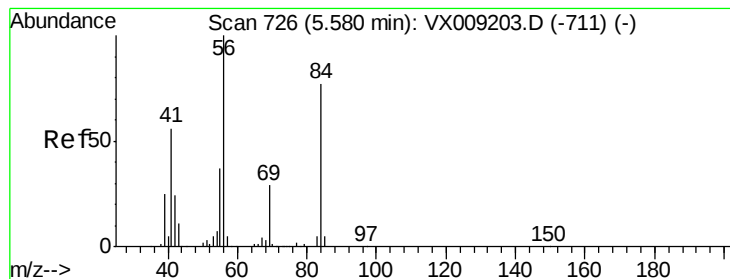
85 62.9 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 20.007 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS02

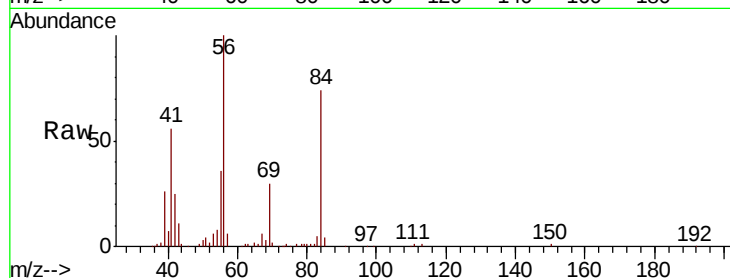
Tot Ion: 56 Resp: 68362

Ion Ratio Lower Upper

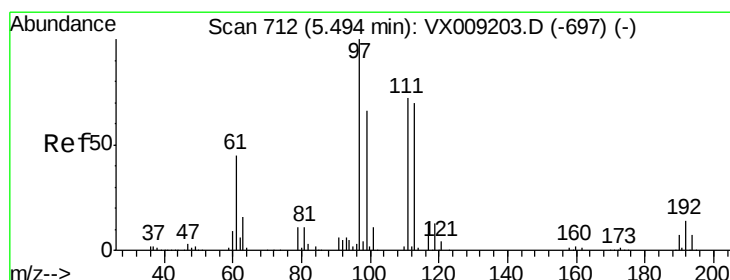
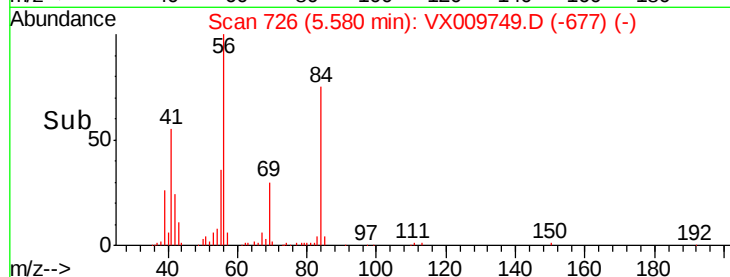
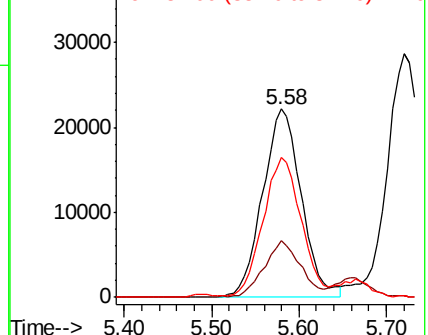
56 100

69 30.1 23.4 35.0

84 73.3 61.9 92.9



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: 18.827 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

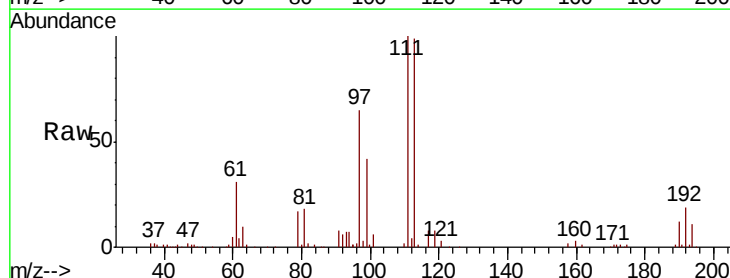
Tgt Ion: 97 Resp: 52061

Ion Ratio Lower Upper

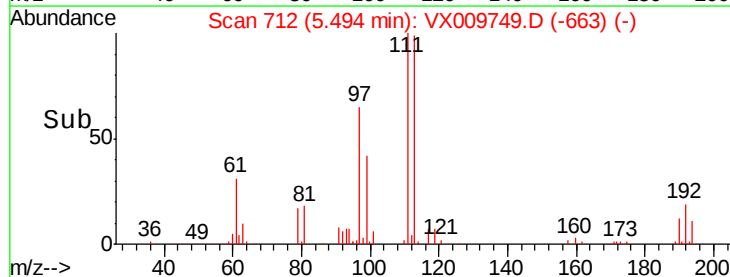
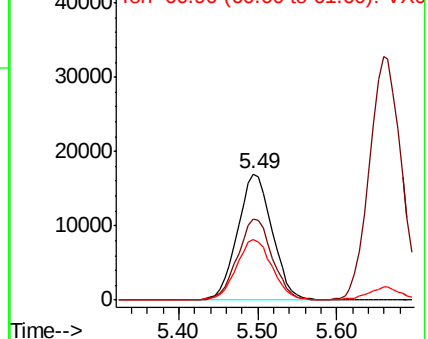
97 100

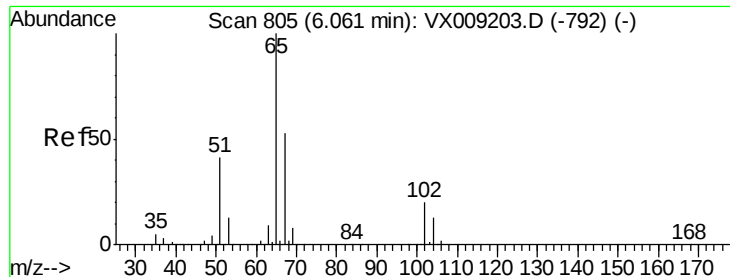
99 64.0 51.8 77.8

61 49.4 37.8 56.8



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





#33

1,2-Dichloroethane-d4

Concen: 44.184 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

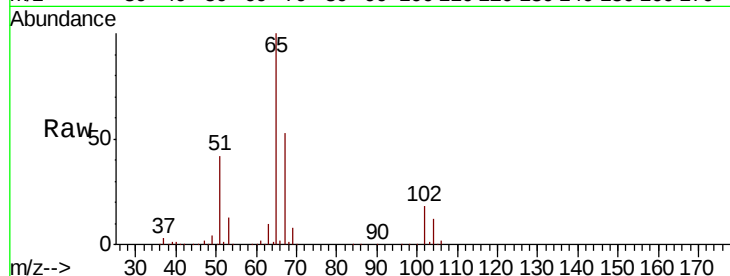
VX0521WBS02

Tot Ion: 65 Resp: 102118

Ion Ratio Lower Upper

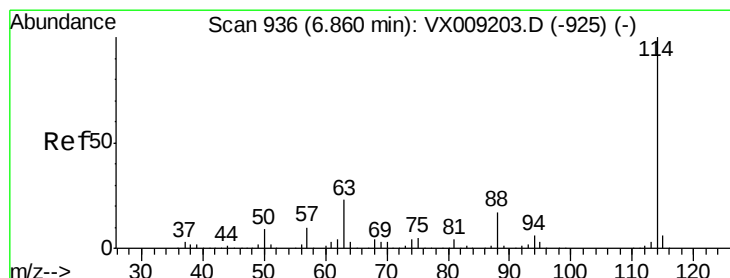
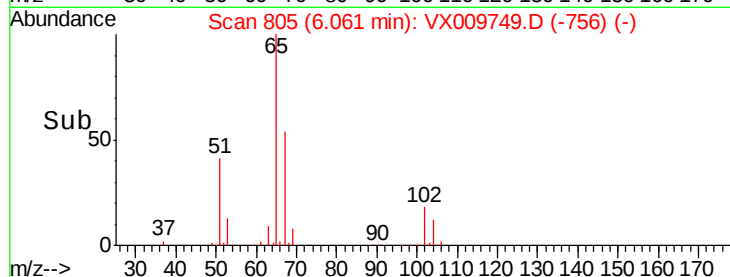
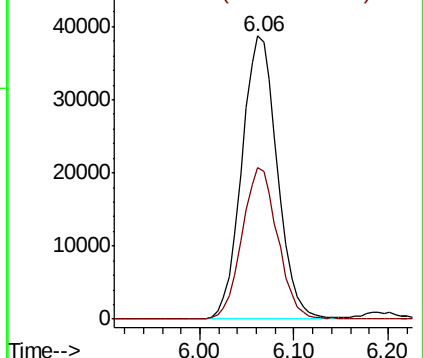
65 100

67 53.7 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

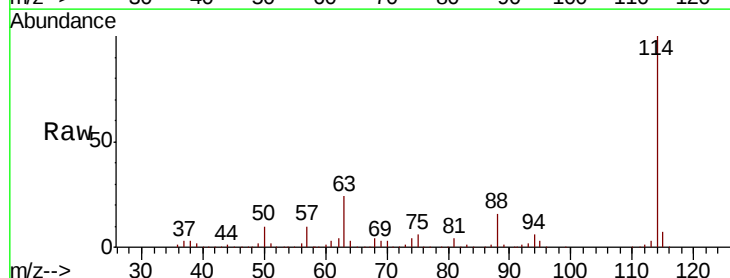
Tgt Ion: 114 Resp: 268880

Ion Ratio Lower Upper

114 100

63 23.8 0.0 45.6

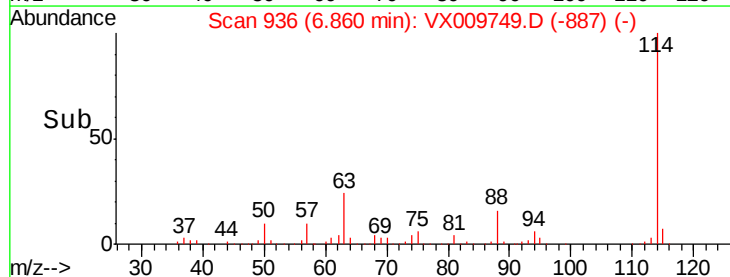
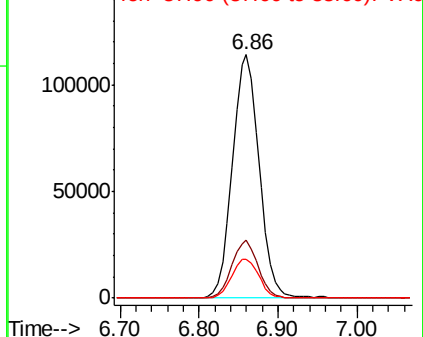
88 15.9 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

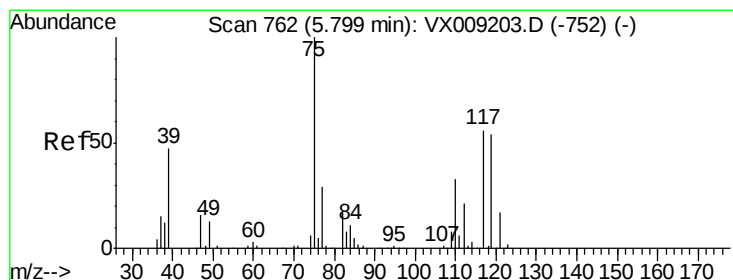
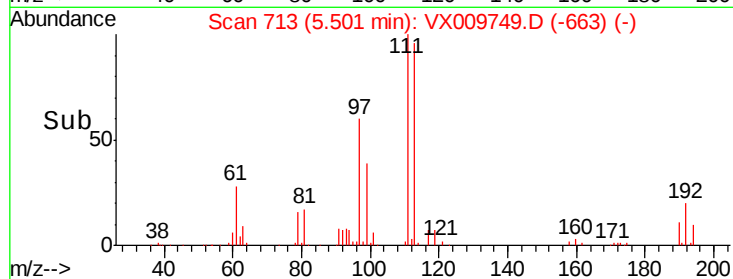
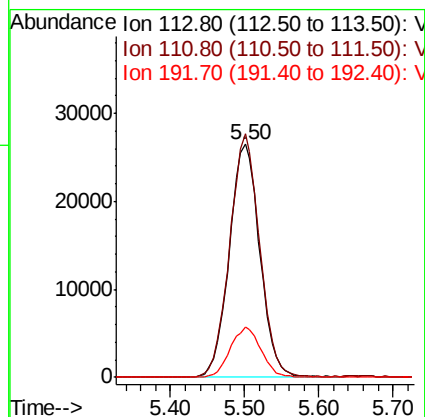
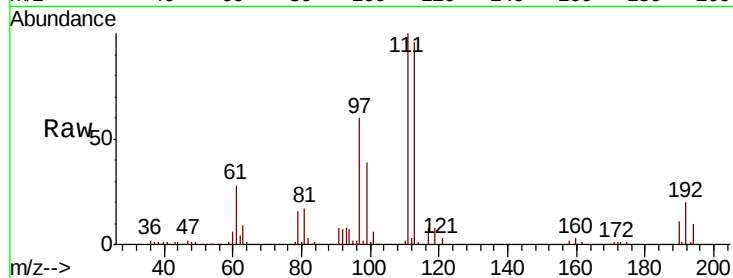




#35
Dibromofluoromethane
Concen: 45.048 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

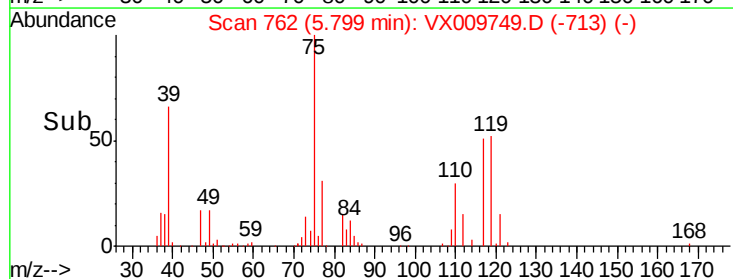
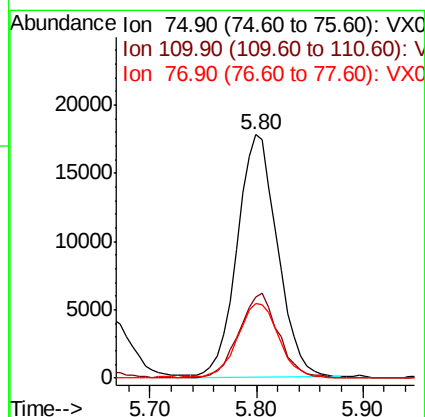
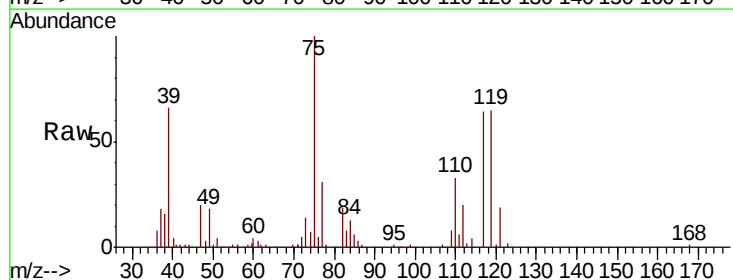
Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS02

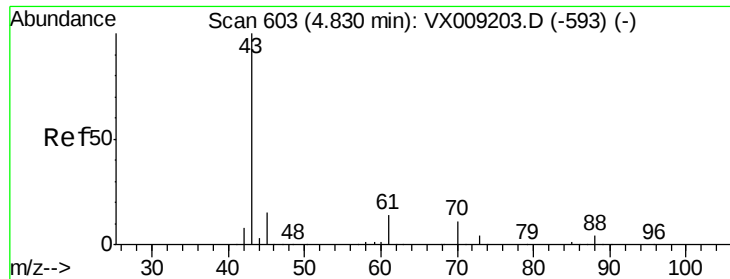
Tot Ion:113 Resp: 76144
Ion Ratio Lower Upper
113 100
111 102.4 82.8 124.2
192 21.5 17.0 25.6



#36
1,1-Dichloropropene
Concen: 18.878 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Tgt Ion: 75 Resp: 47170
Ion Ratio Lower Upper
75 100
110 34.5 16.9 50.6
77 31.9 24.8 37.2





#37

Ethyl Acetate

Concen: 20.179 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS02

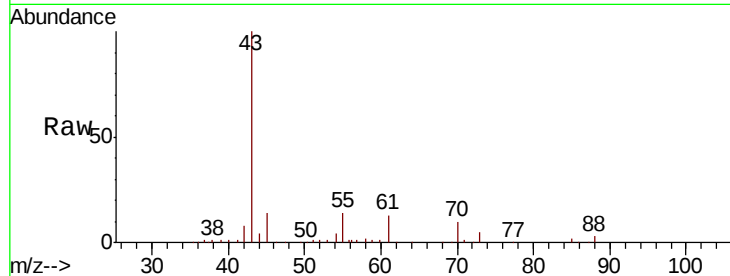
Tot Ion: 43 Resp: 70252

Ion Ratio Lower Upper

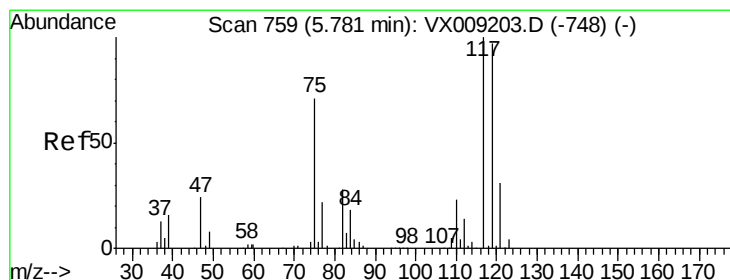
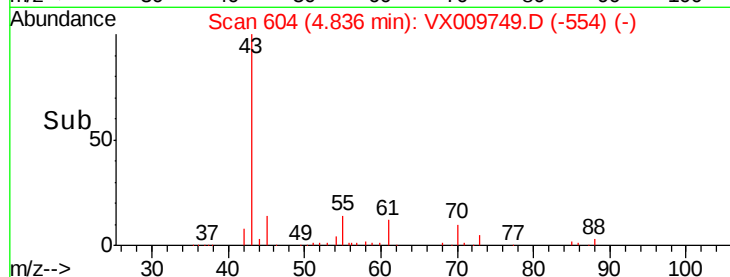
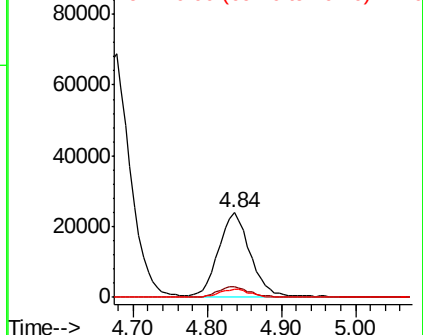
43 100

61 13.1 10.5 15.7

70 9.9 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 18.992 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

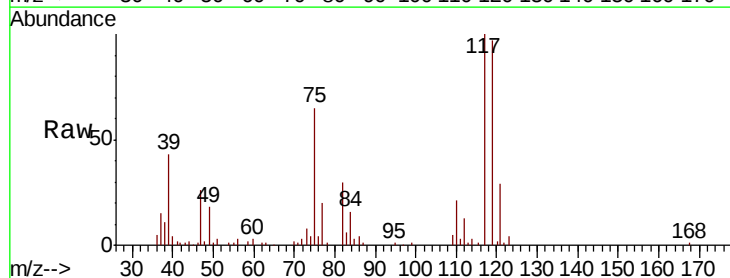
Tgt Ion: 117 Resp: 43116

Ion Ratio Lower Upper

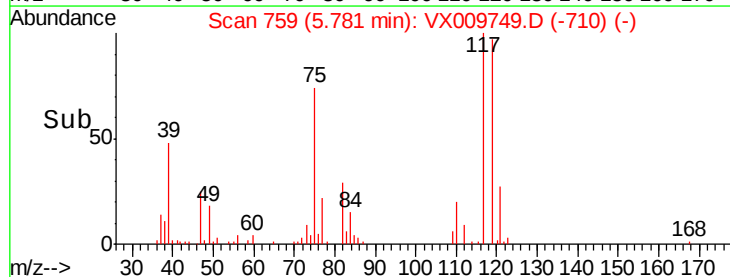
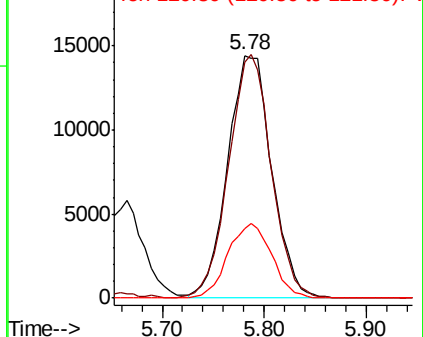
117 100

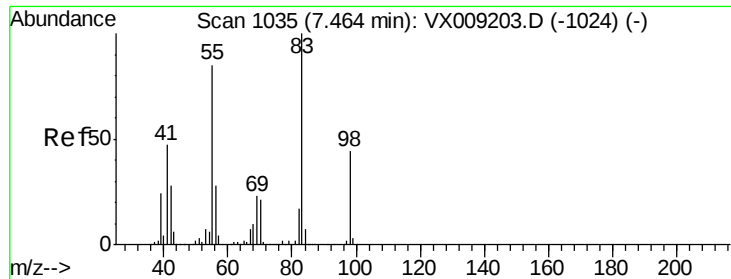
119 97.3 77.5 116.3

121 28.7 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

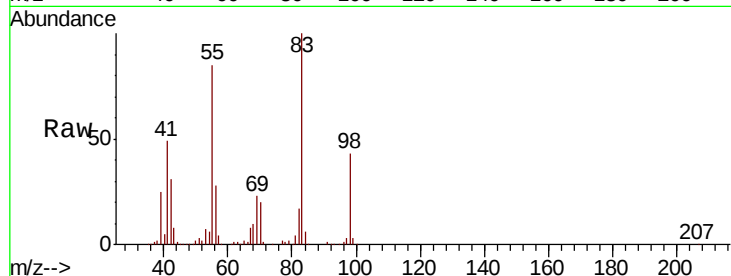




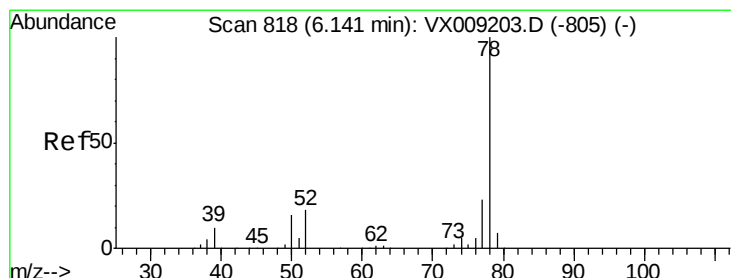
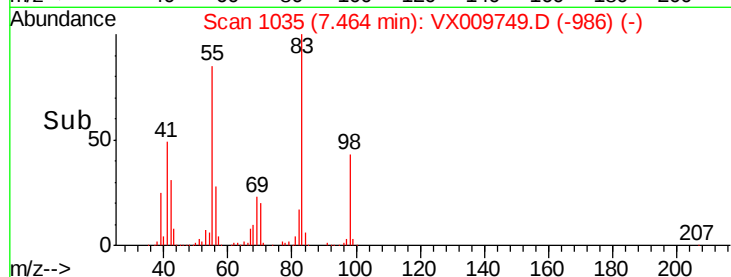
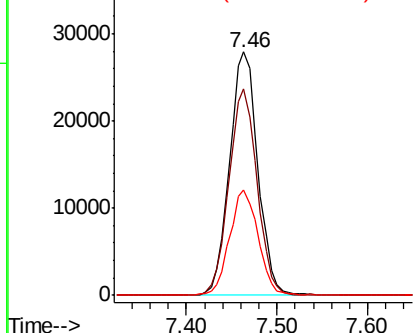
#39
Methvlcvclohexane
Concen: 19.667 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS02

Tot Ion: 83 Resp: 60353
Ion Ratio Lower Upper
83 100
55 84.9 67.7 101.5
98 43.1 35.5 53.3

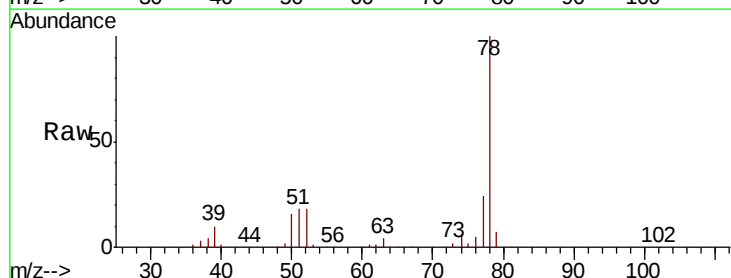


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

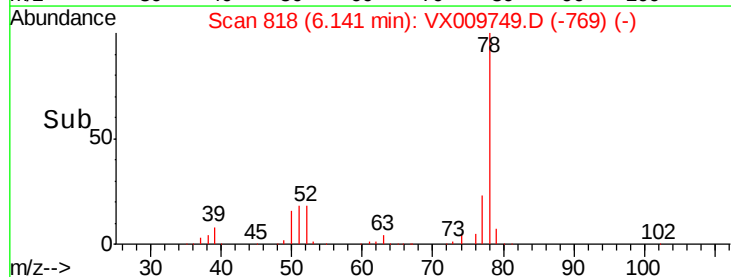
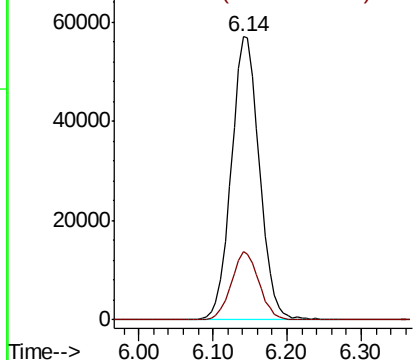


#40
Benzene
Concen: 19.521 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Tgt Ion: 78 Resp: 150960
Ion Ratio Lower Upper
78 100
77 24.0 18.8 28.2



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





#41

Methacrylonitrile

Concen: 19.000 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS02

Tot Ion: 41 Resp: 39375

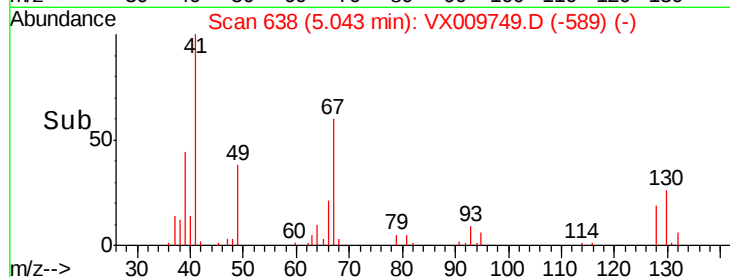
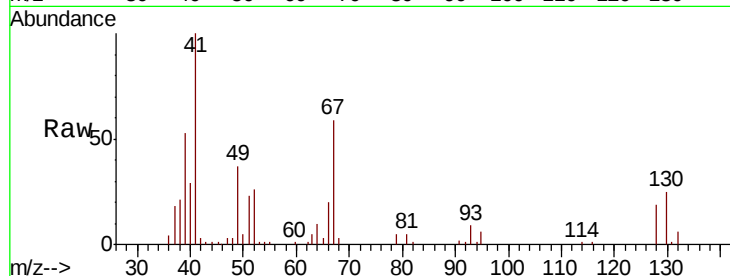
Ion Ratio Lower Upper

41 100

39 53.8 42.0 63.0

67 62.1 49.8 74.8

52 27.6 20.3 30.5

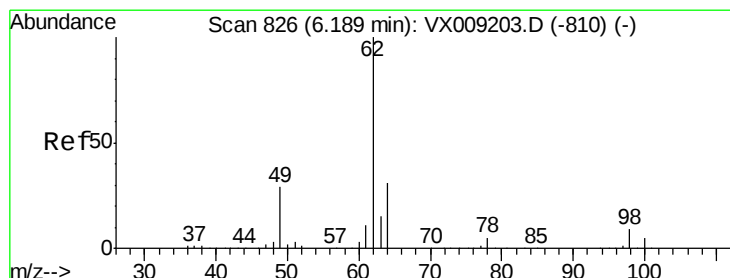
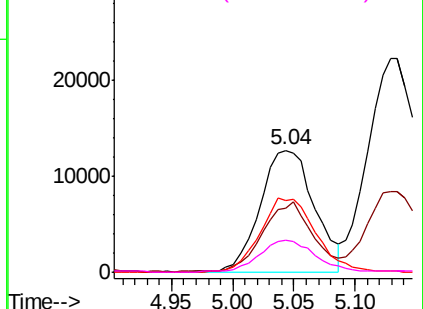


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 19.798 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.00 min

Lab File: VX009749.D

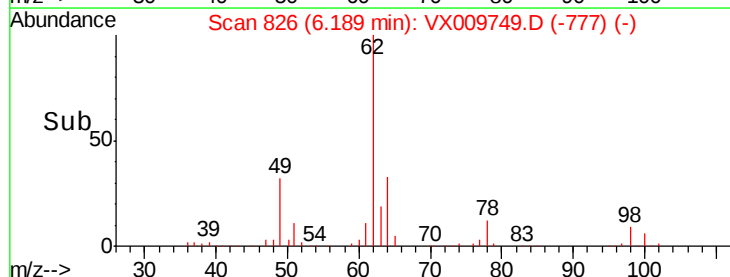
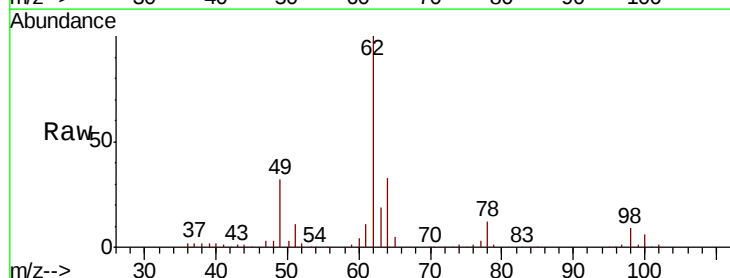
Acq: 21 May 2019 15:47

Tgt Ion: 62 Resp: 54921

Ion Ratio Lower Upper

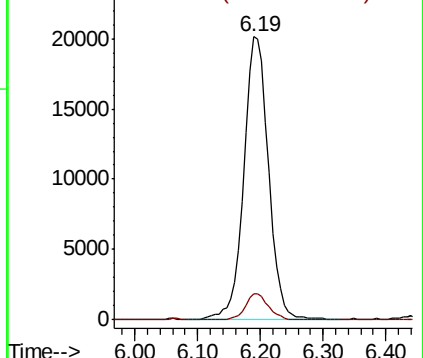
62 100

98 8.7 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 19.660 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS02

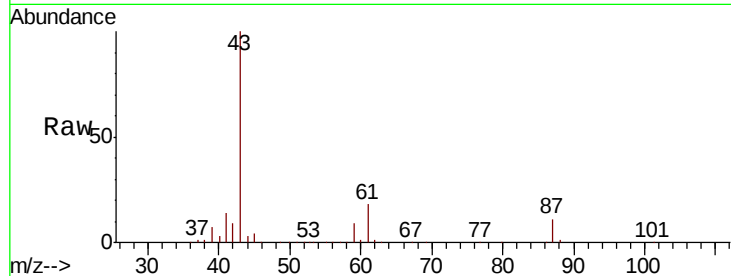
Tot Ion: 43 Resp: 109482

Ion Ratio Lower Upper

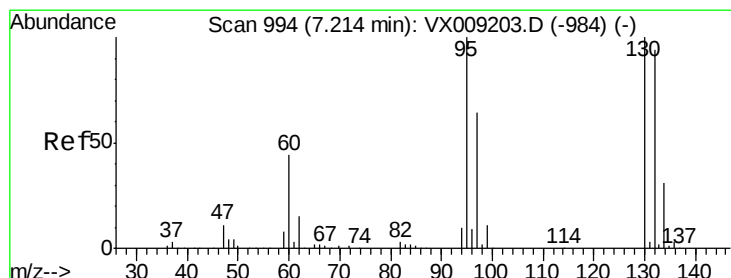
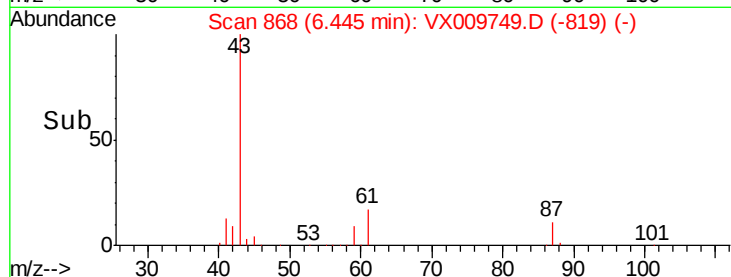
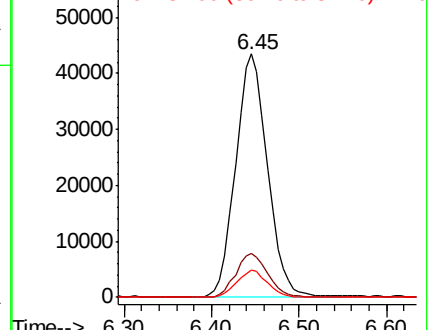
43 100

61 18.3 15.1 22.7

87 10.9 9.0 13.6



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



#44

Trichloroethene

Concen: 18.601 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX009749.D

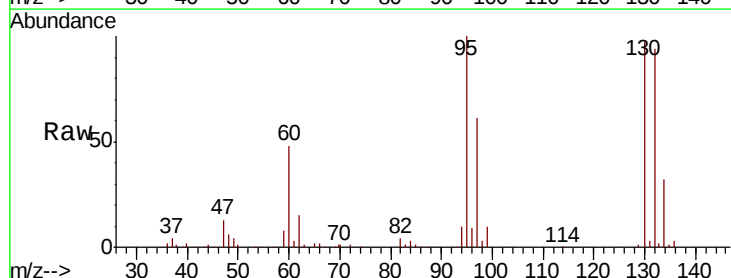
Acq: 21 May 2019 15:47

Tgt Ion:130 Resp: 34774

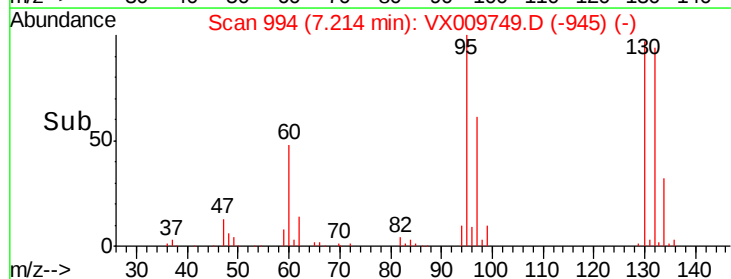
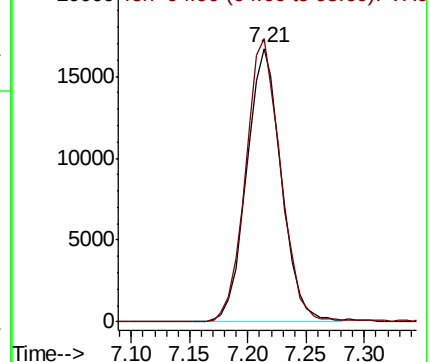
Ion Ratio Lower Upper

130 100

95 103.5 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V
20000 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 19.455 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

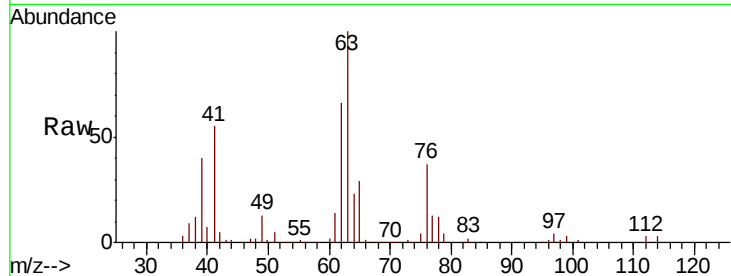
VX0521WBS02

Tot Ion: 63 Resp: 42600

Ion Ratio Lower Upper

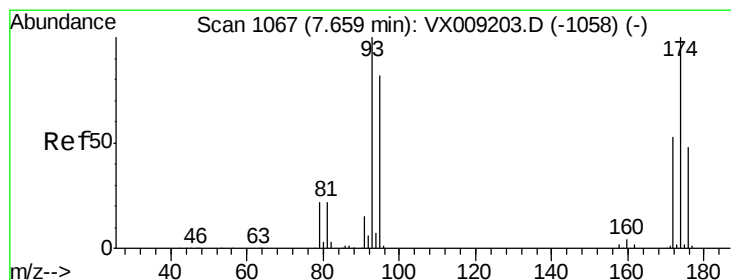
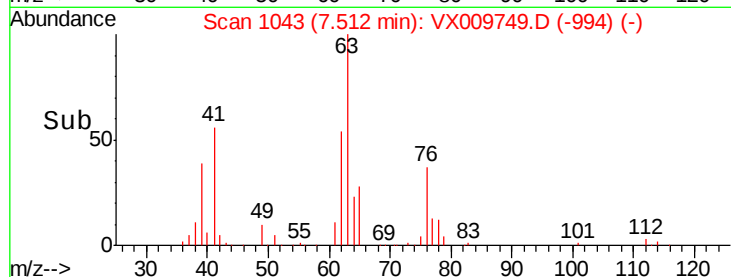
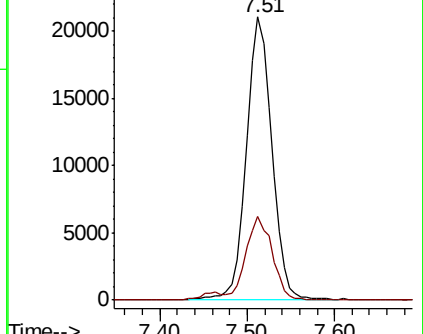
63 100

65 29.4 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.058 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

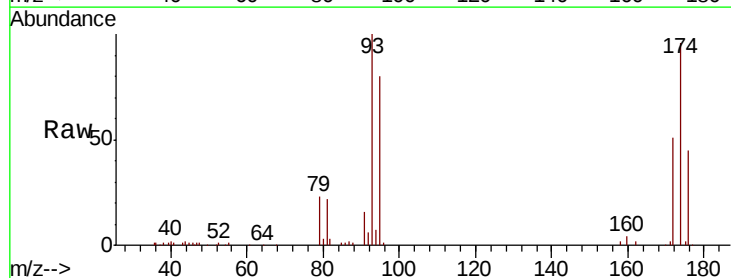
Tgt Ion: 93 Resp: 24234

Ion Ratio Lower Upper

93 100

95 82.0 66.5 99.7

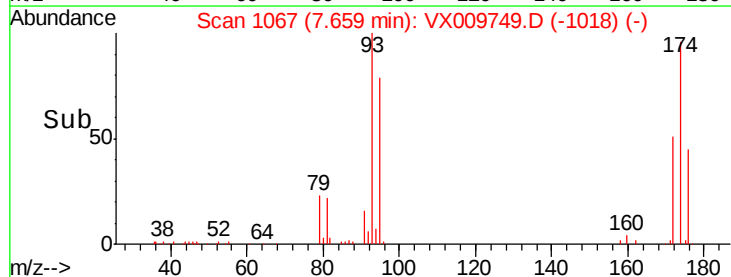
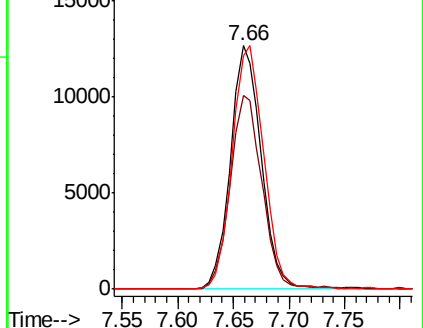
174 102.6 82.1 123.1

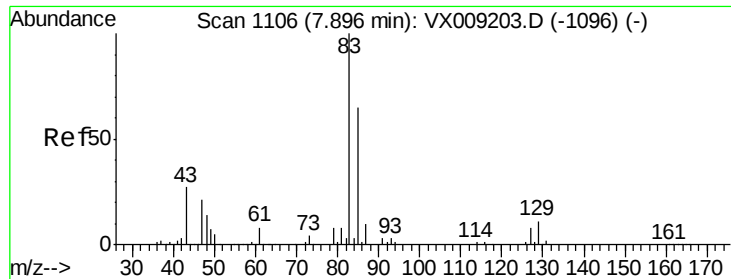


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.910 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS02

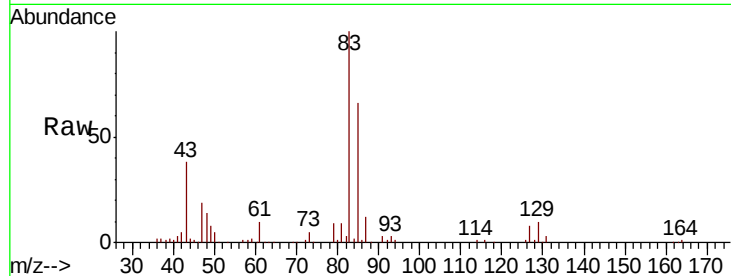
Tot Ion: 83 Resp: 47964

Ion Ratio Lower Upper

83 100

85 65.6 52.4 78.6

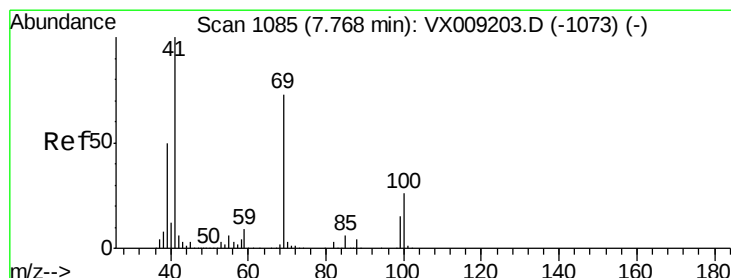
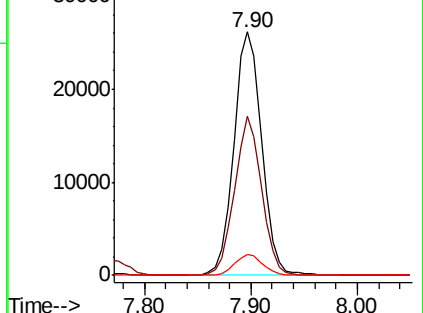
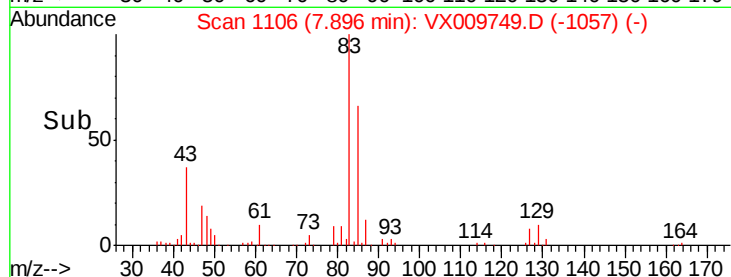
127 8.4 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.702 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

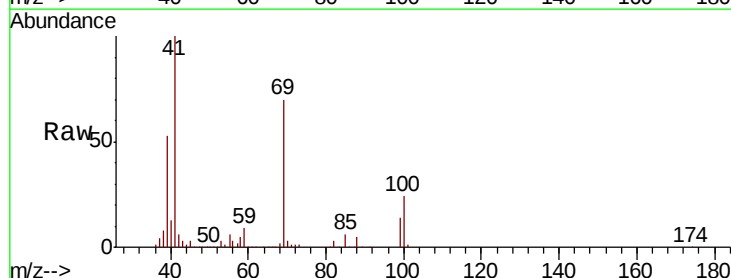
Tgt Ion: 41 Resp: 54433

Ion Ratio Lower Upper

41 100

69 72.7 59.1 88.7

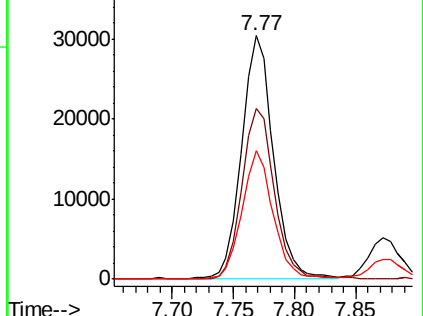
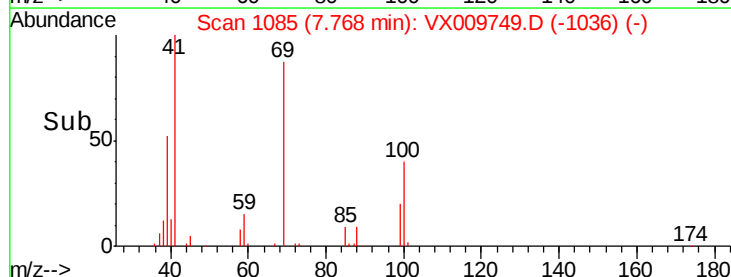
39 51.6 40.4 60.6

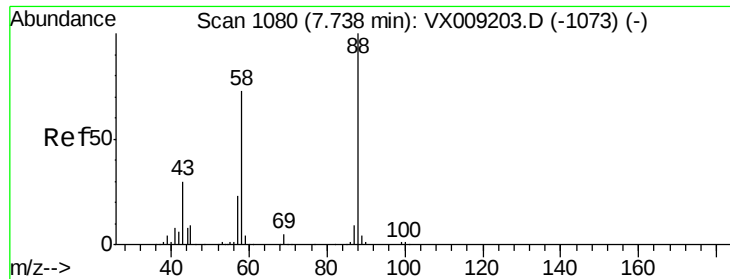


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

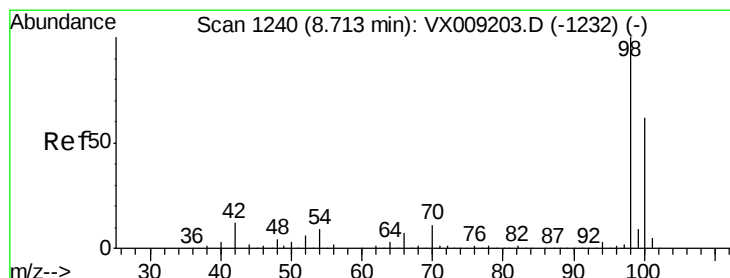
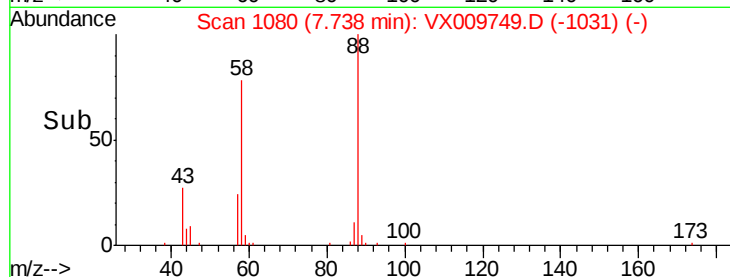
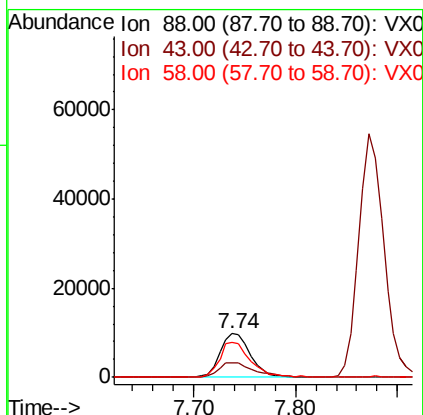
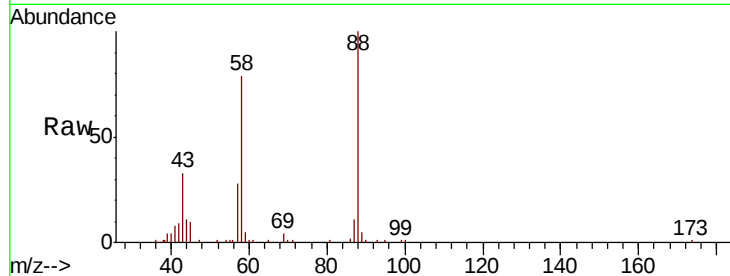




#49
 1,4-Dioxane
 Concen: 368.233 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VX009749.D
 Acq: 21 May 2019 15:47

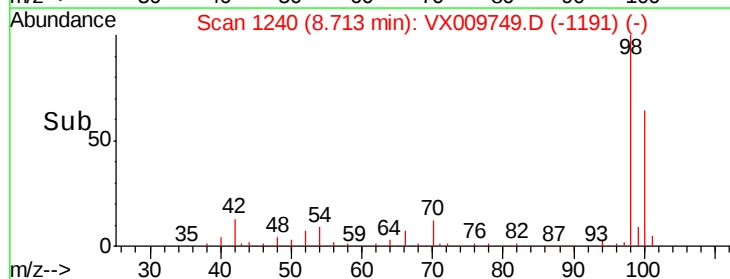
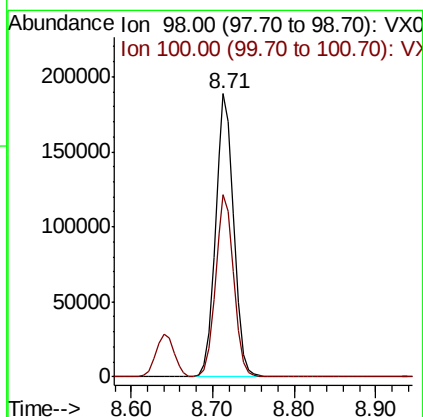
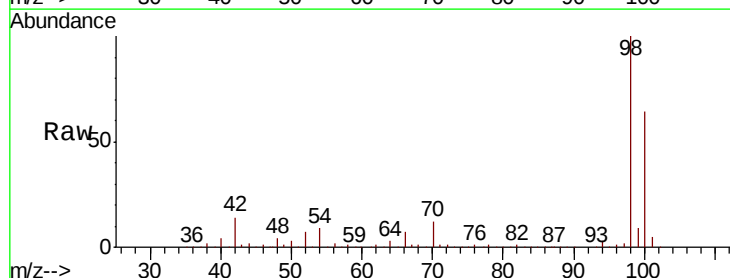
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBS02

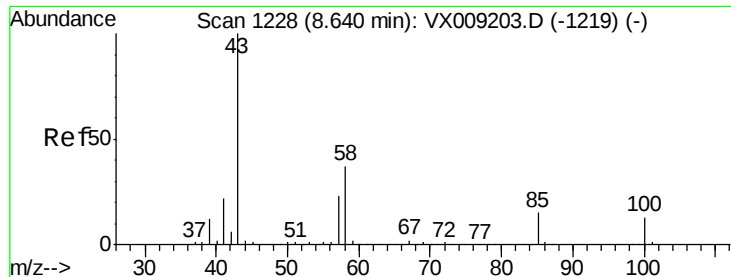
Tot Ion: 88 Resp: 20632
 Ion Ratio Lower Upper
 88 100
 43 38.0 28.6 42.8
 58 81.0 61.7 92.5



#50
 Toluene-d8
 Concen: 43.487 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX009749.D
 Acq: 21 May 2019 15:47

Tgt Ion: 98 Resp: 296760
 Ion Ratio Lower Upper
 98 100
 100 64.5 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 100.871 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

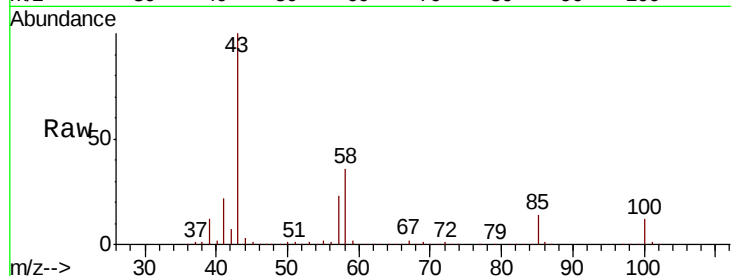
VX0521WBS02

Tot Ion: 43 Resp: 367160

Ion Ratio Lower Upper

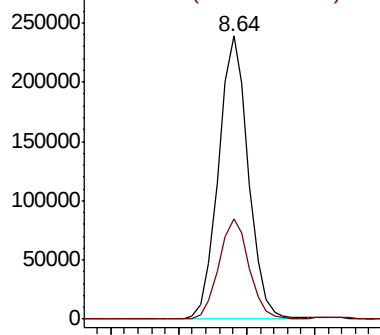
43 100

58 36.0 29.5 44.3

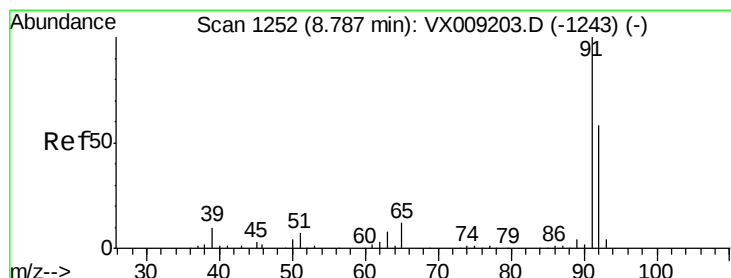
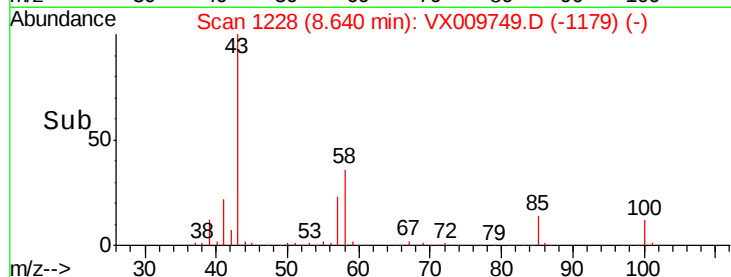


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#52

Toluene

Concen: 19.615 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009749.D

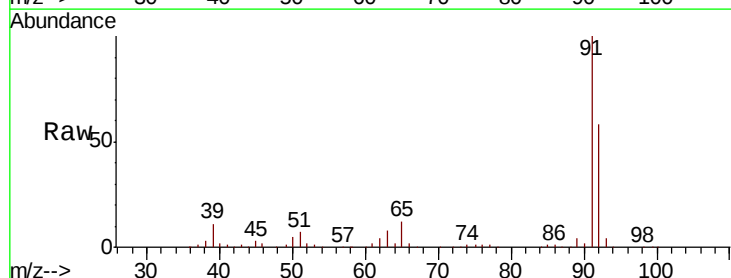
Acq: 21 May 2019 15:47

Tgt Ion: 92 Resp: 92205

Ion Ratio Lower Upper

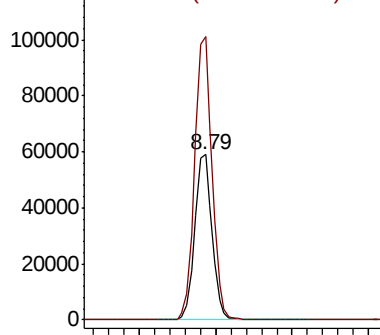
92 100

91 171.9 138.8 208.2

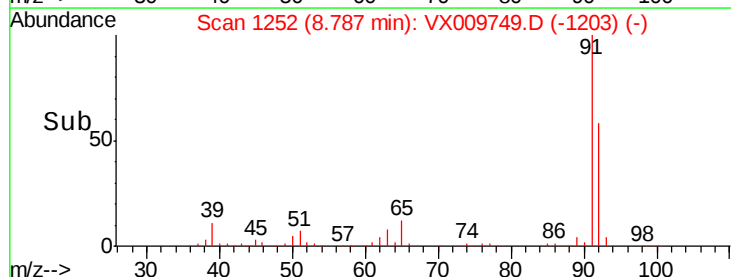


Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time-->

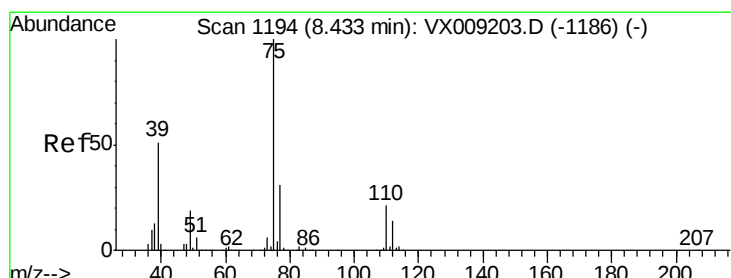
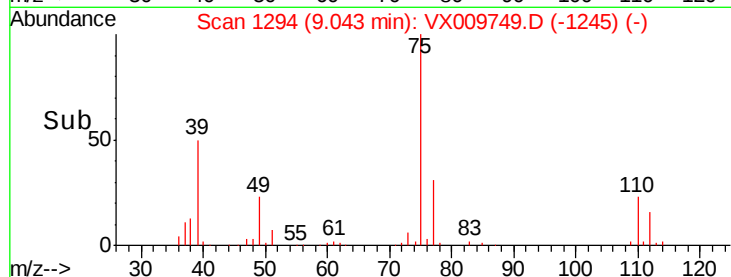
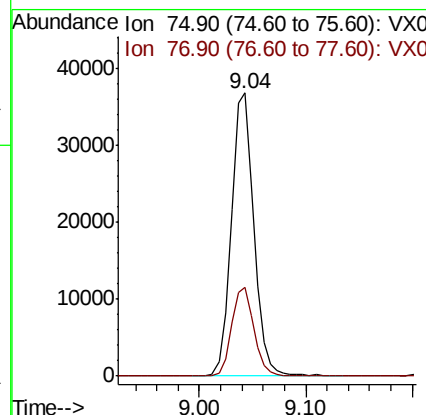
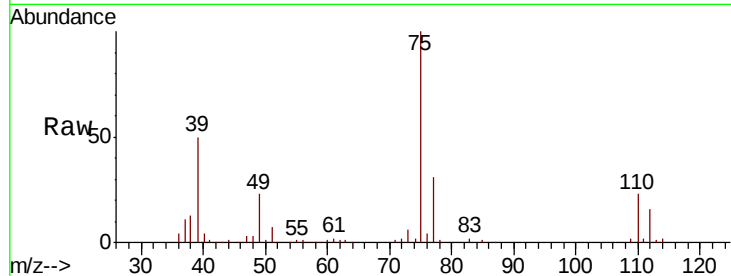




#53
t-1,3-Dichloropropene
Concen: 19.070 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

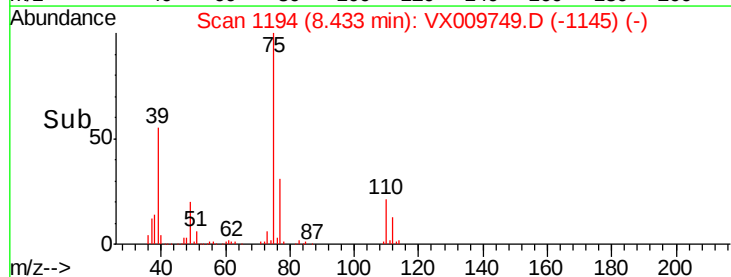
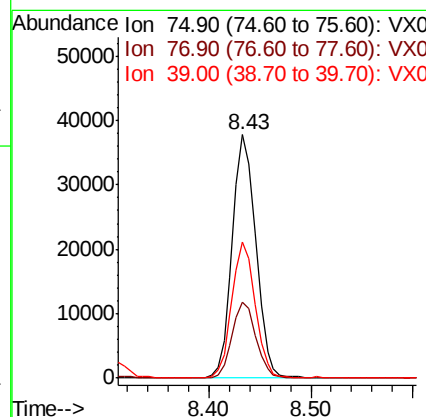
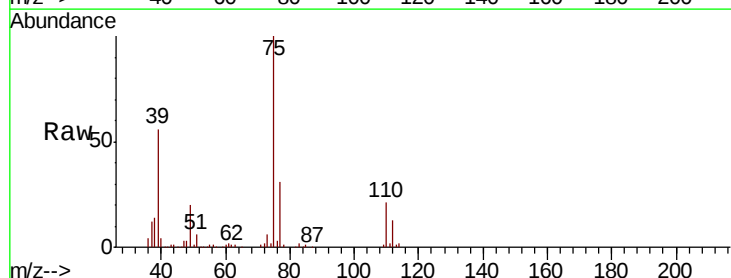
Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS02

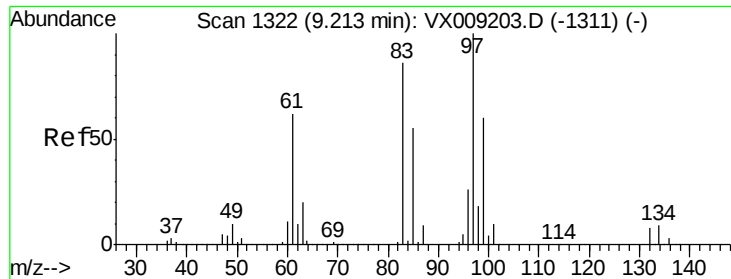
Tot Ion: 75 Resp: 54611
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 19.086 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Tgt Ion: 75 Resp: 60498
Ion Ratio Lower Upper
75 100
77 31.1 24.6 36.8
39 55.6 40.6 60.8

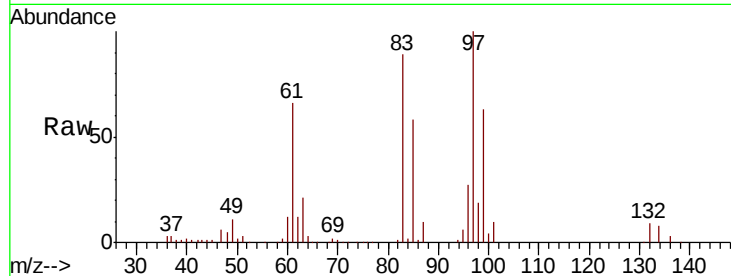




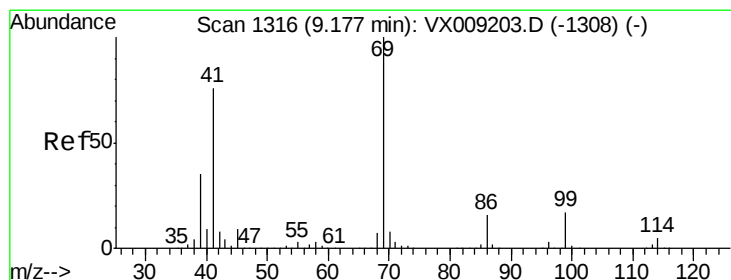
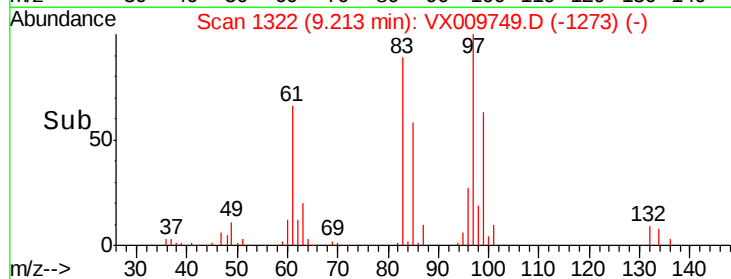
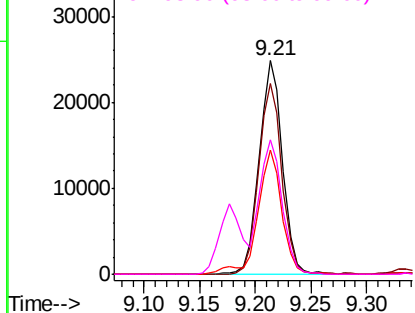
#55
 1,1,2-Trichloroethane
 Concen: 18.997 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009749.D
 Acq: 21 May 2019 15:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBS02

Tot Ion:	97	Resp:	36432
Ion	Ratio	Lower	Upper
97	100		
83	89.3	68.9	103.3
85	58.4	43.8	65.6
99	63.2	48.2	72.2

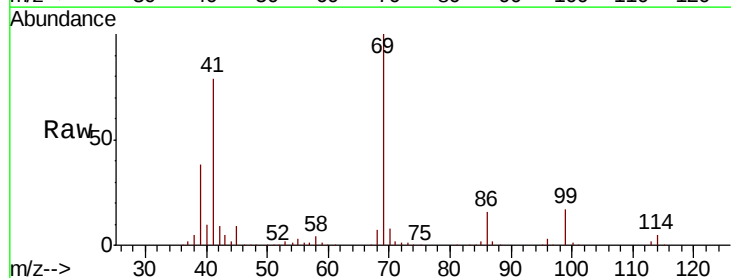


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

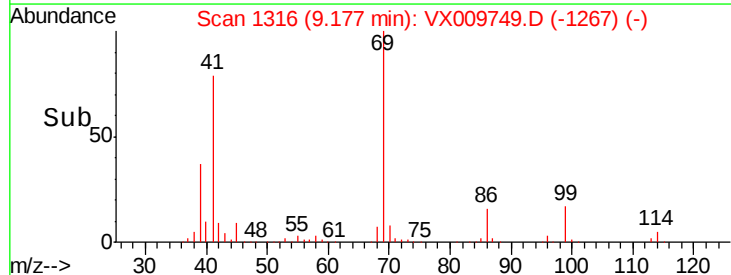
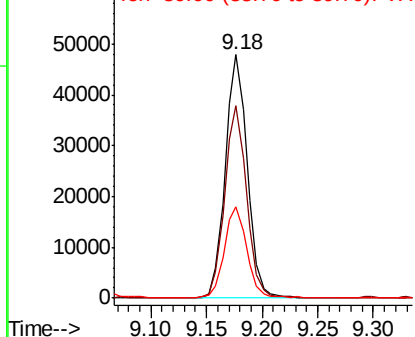


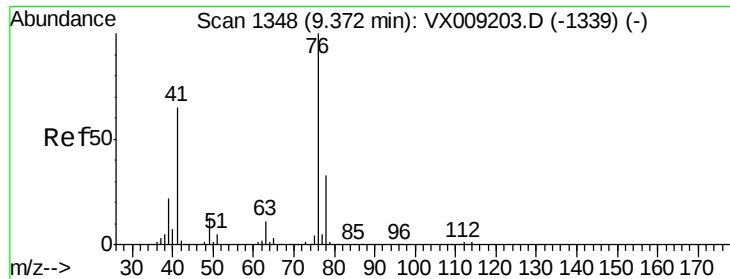
#56
 Ethyl methacrylate
 Concen: 19.167 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009749.D
 Acq: 21 May 2019 15:47

Tgt Ion:	69	Resp:	65616
Ion	Ratio	Lower	Upper
69	100		
41	77.7	60.6	90.8
39	37.2	28.2	42.4



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: 19.293 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

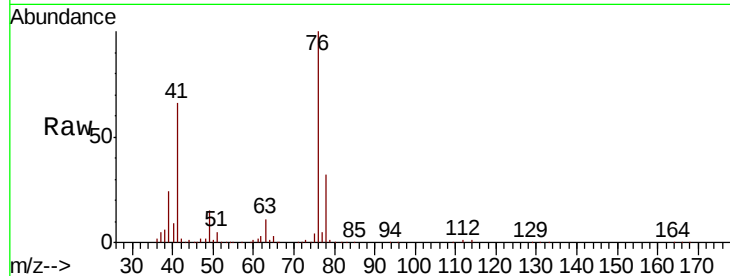
VX0521WBS02

Tot Ion: 76 Resp: 65111

Ion Ratio Lower Upper

76 100

78 31.7 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

50000

40000

30000

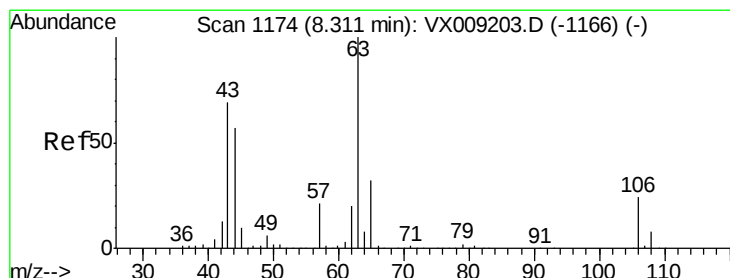
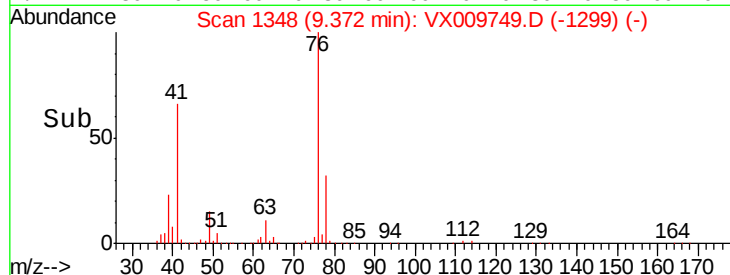
20000

10000

0

9.30 9.40 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 87.869 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009749.D

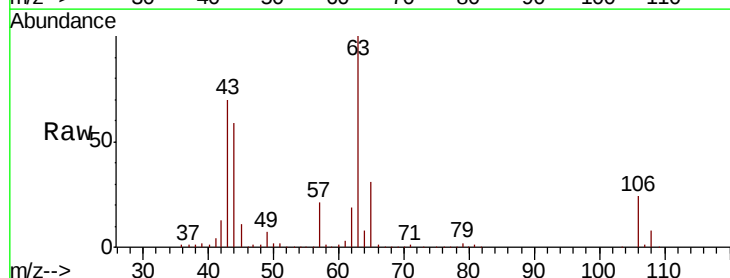
Acq: 21 May 2019 15:47

Tgt Ion: 63 Resp: 159577

Ion Ratio Lower Upper

63 100

106 24.5 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

120000

100000

80000

60000

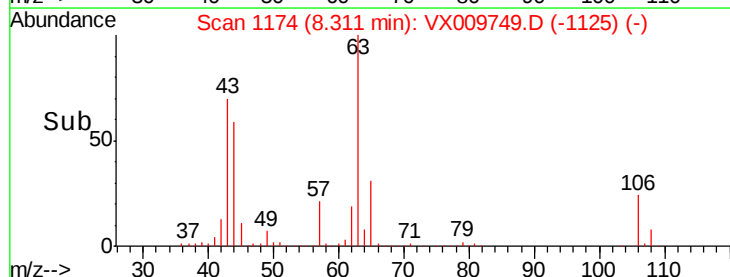
40000

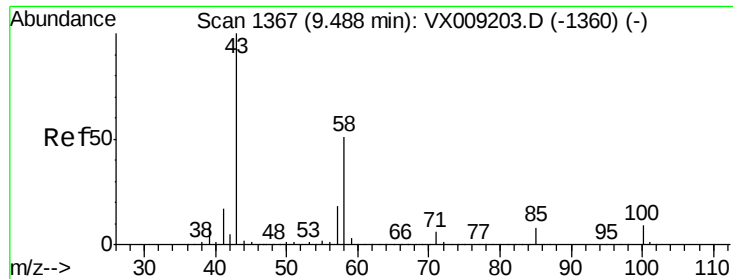
20000

0

8.20 8.25 8.30 8.35 8.40

Time-->

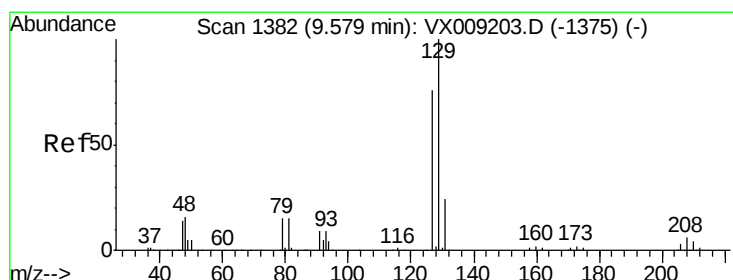
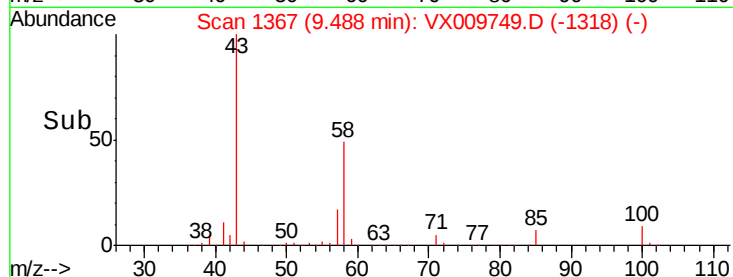
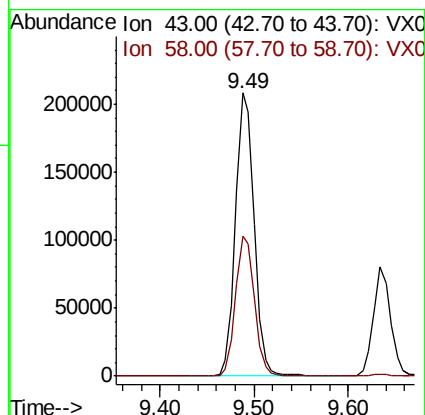
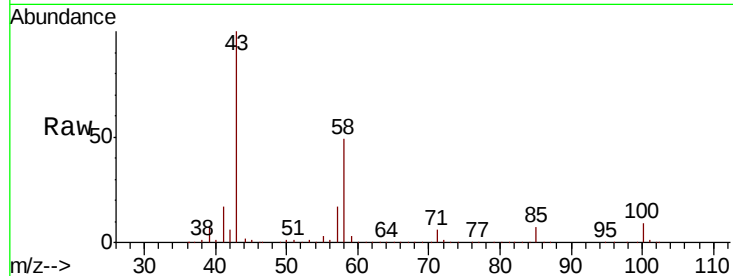




#59
2-Hexanone
Concen: 100.266 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

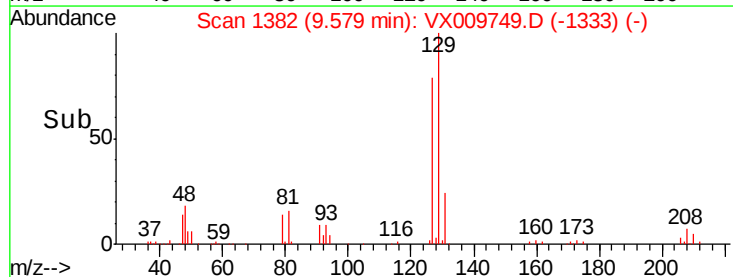
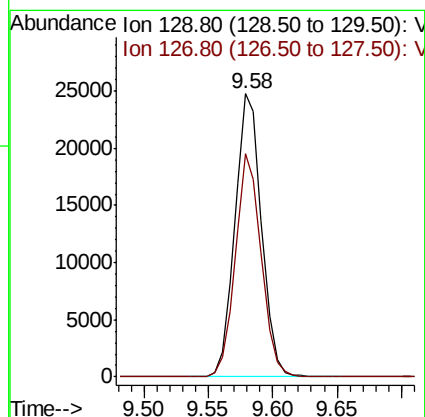
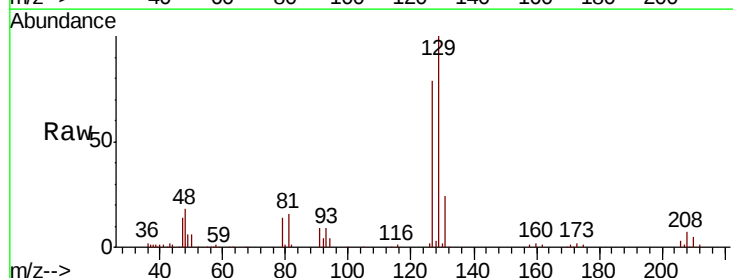
Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS02

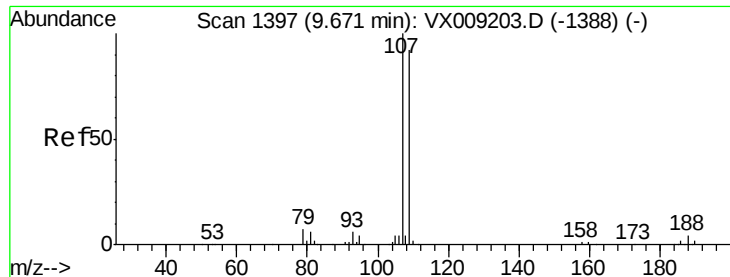
Tot Ion: 43 Resp: 286632
Ion Ratio Lower Upper
43 100
58 50.4 25.9 77.7



#60
Dibromochloromethane
Concen: 18.990 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Tgt Ion:129 Resp: 35569
Ion Ratio Lower Upper
129 100
127 76.6 38.4 115.1





#61

1,2-Dibromoethane

Concen: 19.001 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

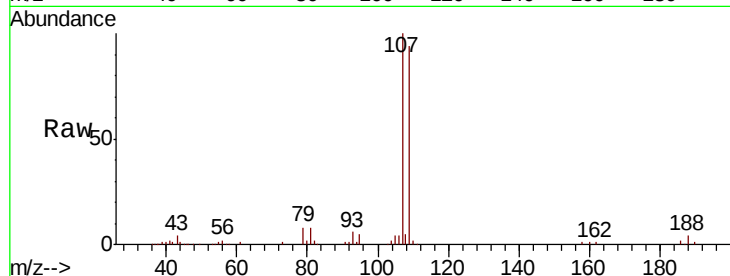
VX0521WBS02

Tot Ion:107 Resp: 36783

Ion Ratio Lower Upper

107 100

109 94.8 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

25000

20000

15000

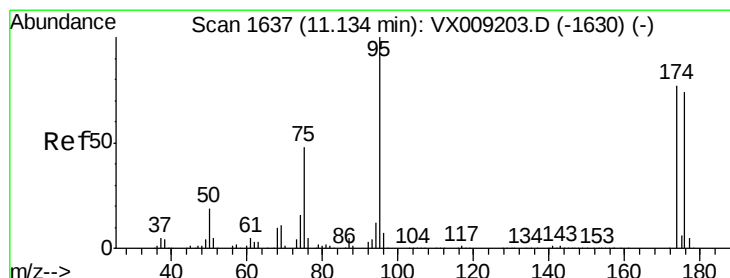
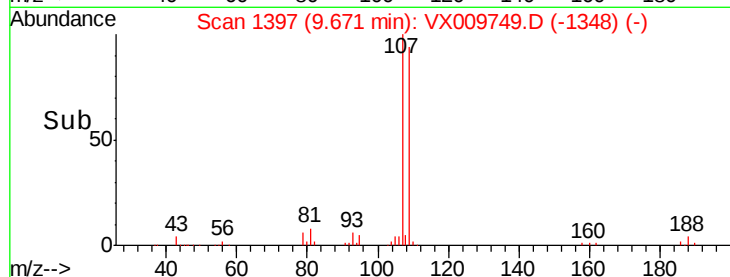
10000

5000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 43.806 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

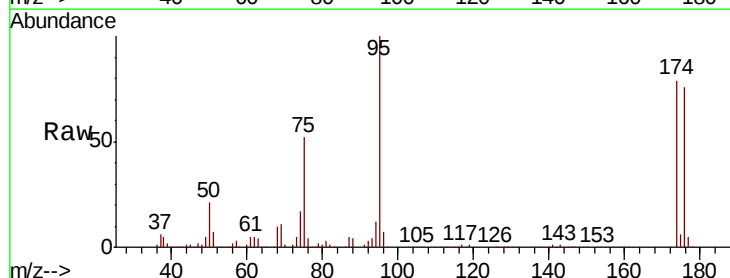
Tgt Ion: 95 Resp: 108622

Ion Ratio Lower Upper

95 100

174 82.2 0.0 161.6

176 79.4 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

60000

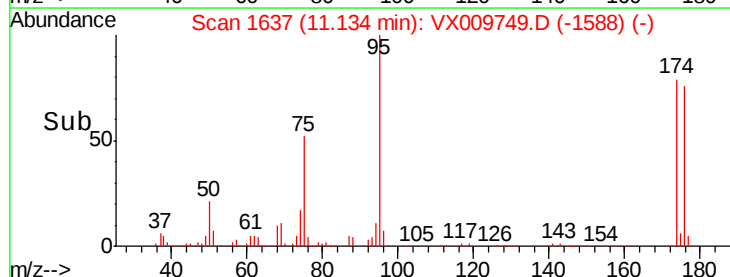
40000

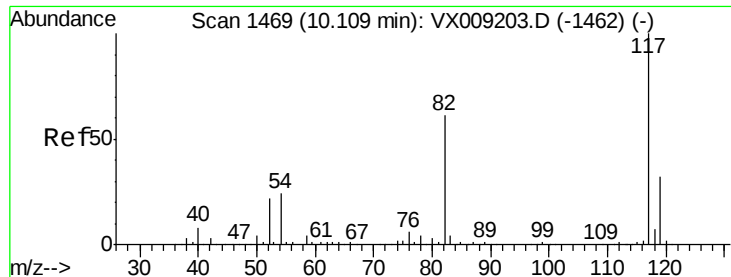
20000

0

Time-->

11.05 11.10 11.15 11.20

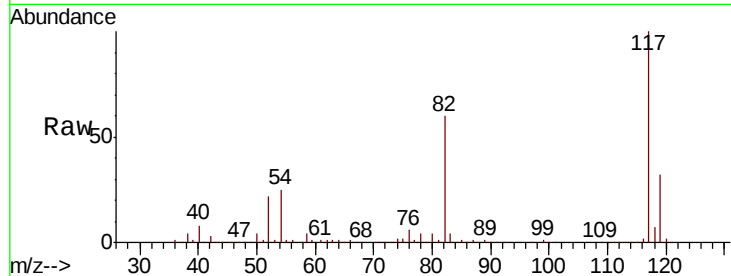




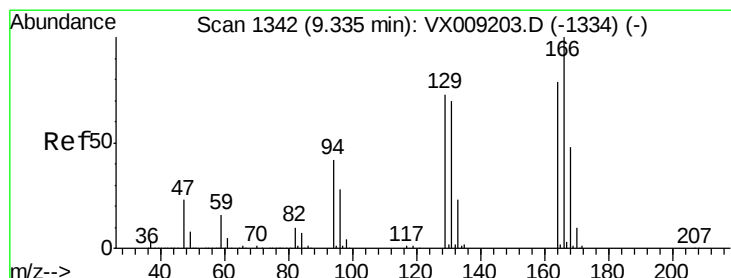
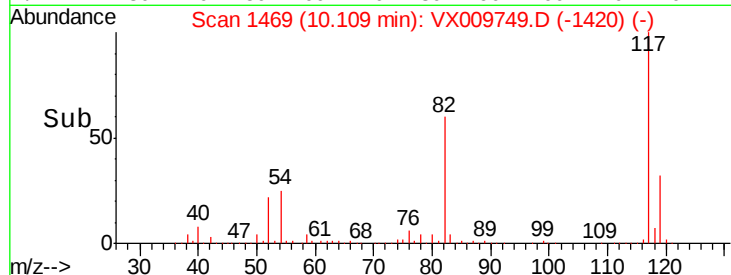
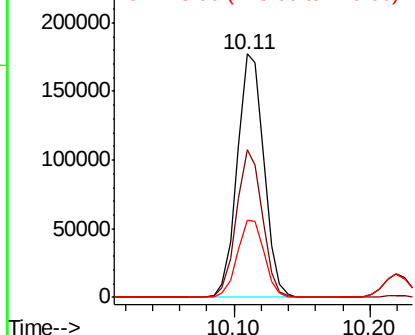
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS02

Tot Ion:117 Resp: 241543
Ion Ratio Lower Upper
117 100
82 60.4 48.8 73.2
119 31.8 25.8 38.6

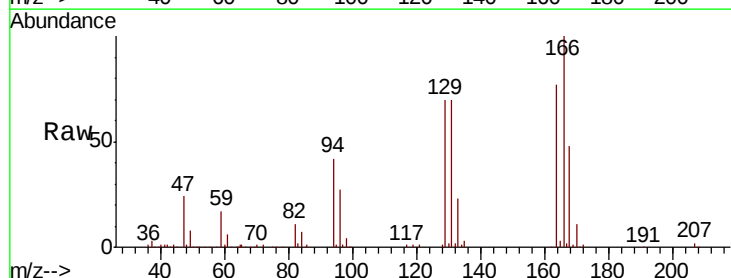


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

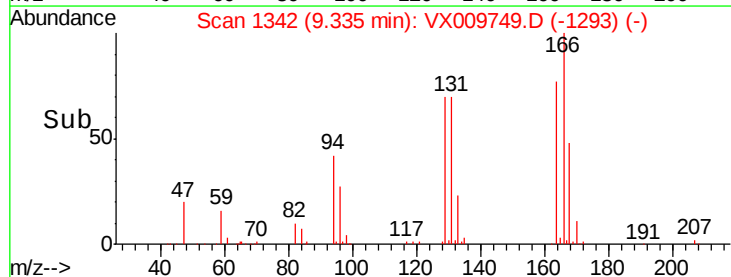
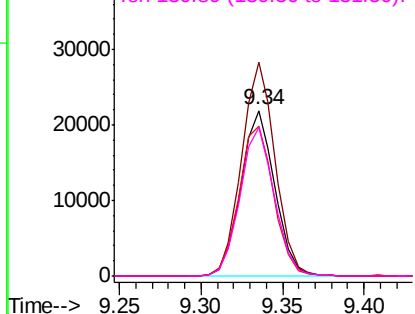


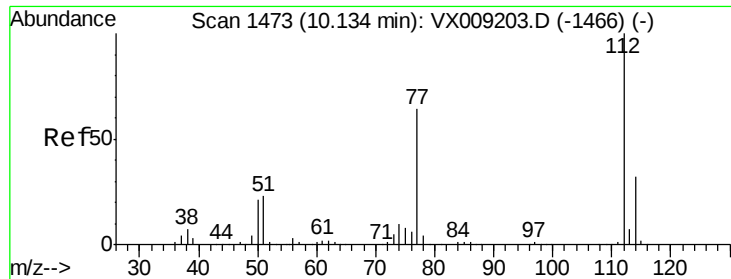
#64
Tetrachloroethene
Concen: 19.146 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Tgt Ion:164 Resp: 31722
Ion Ratio Lower Upper
164 100
166 129.3 101.2 151.8
129 90.9 74.3 111.5
131 89.9 71.0 106.6



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

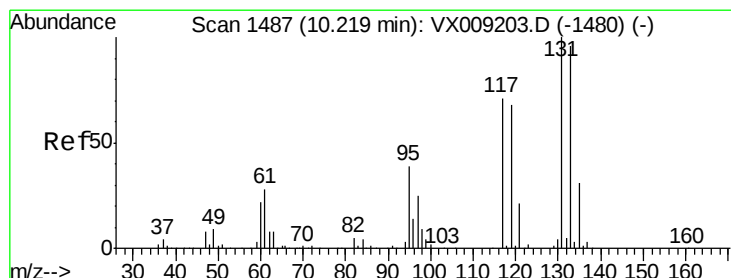
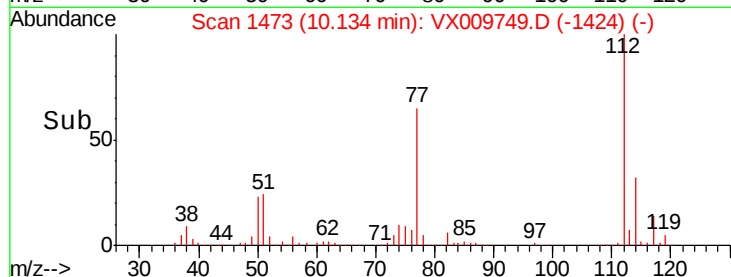
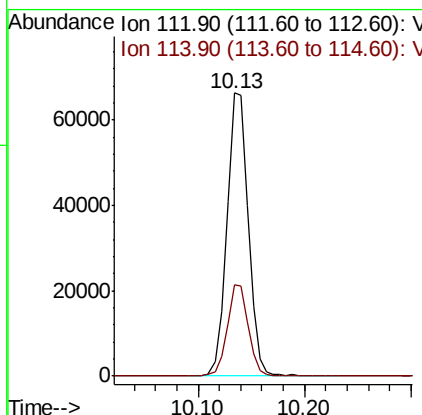
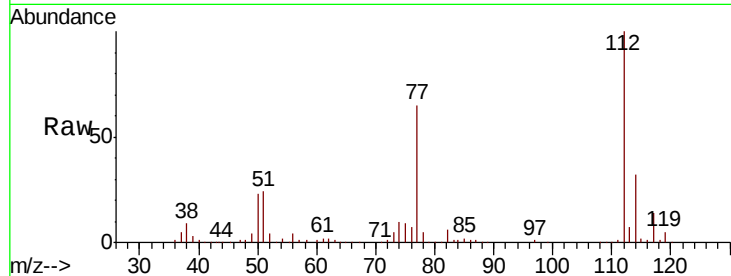




#65
Chlorobenzene
Concen: 19.336 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

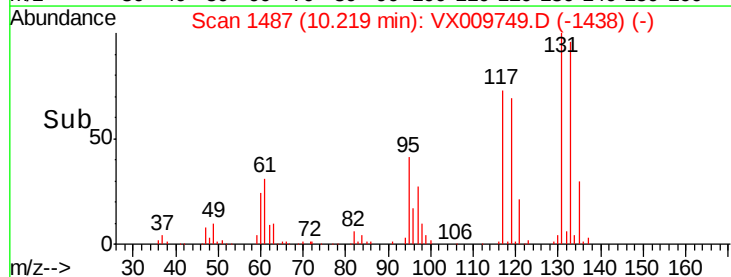
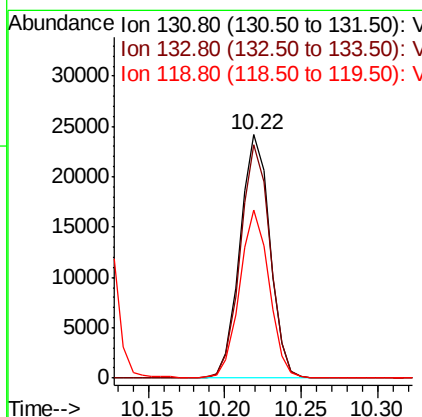
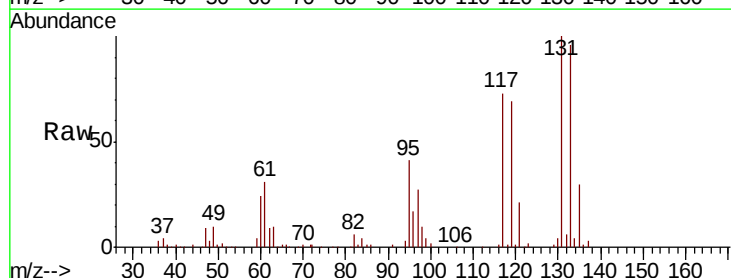
Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS02

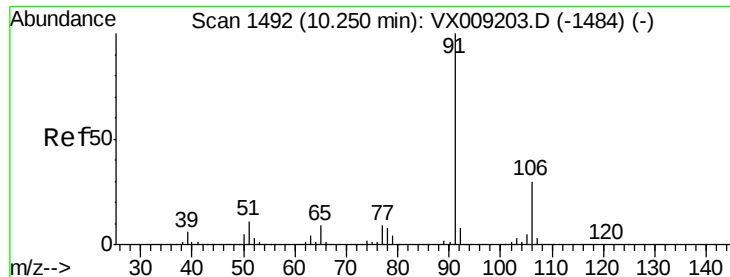
Tot Ion:112 Resp: 93432
Ion Ratio Lower Upper
112 100
114 32.4 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 18.735 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Tgt Ion:131 Resp: 32820
Ion Ratio Lower Upper
131 100
133 95.4 47.7 143.1
119 68.3 33.5 100.4





#67

Ethyl Benzene

Concen: 19.289 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

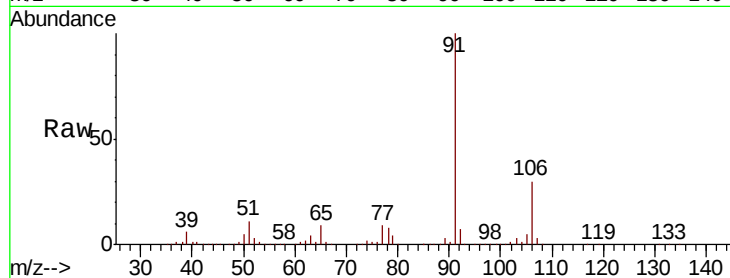
VX0521WBS02

Tot Ion: 91 Resp: 171527

Ion Ratio Lower Upper

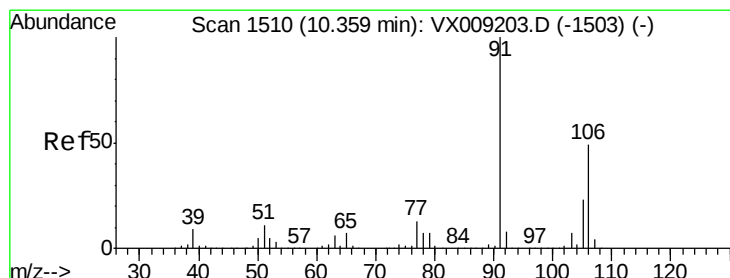
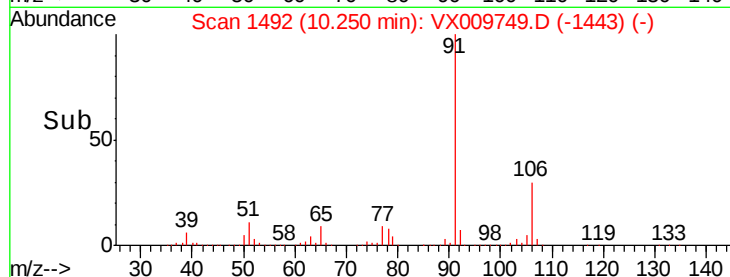
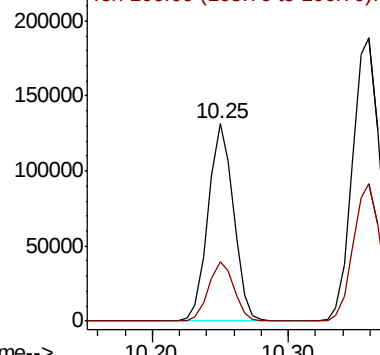
91 100

106 30.1 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 38.739 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009749.D

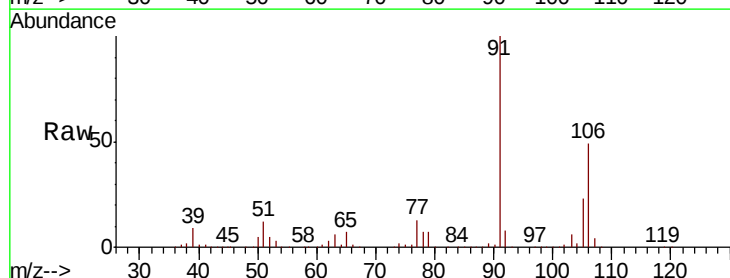
Acq: 21 May 2019 15:47

Tgt Ion:106 Resp: 125888

Ion Ratio Lower Upper

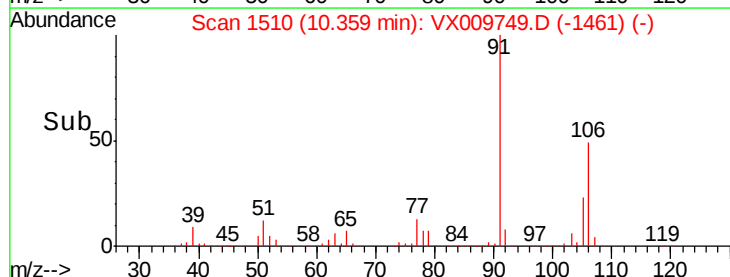
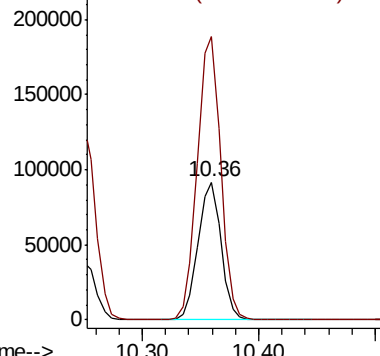
106 100

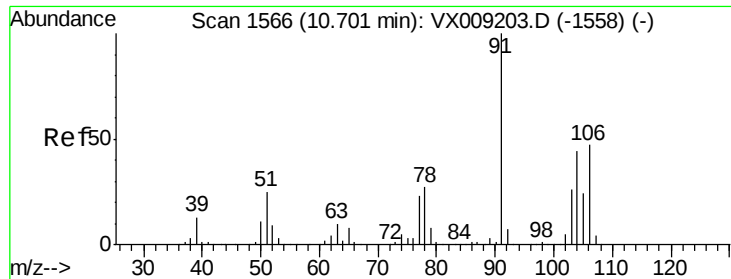
91 208.3 164.0 246.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

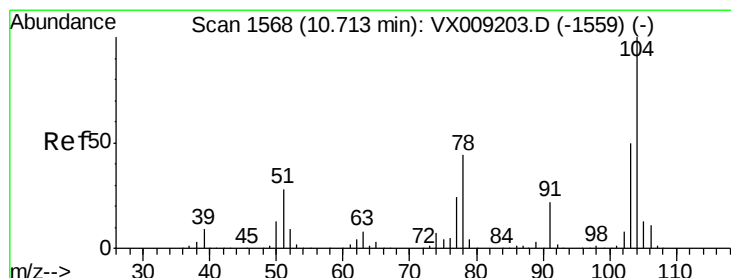
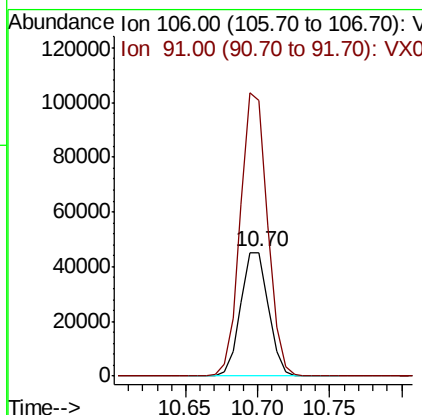
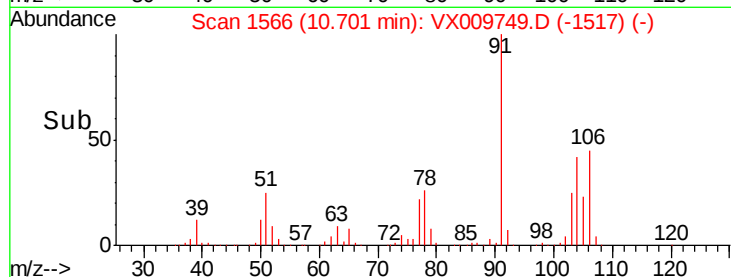
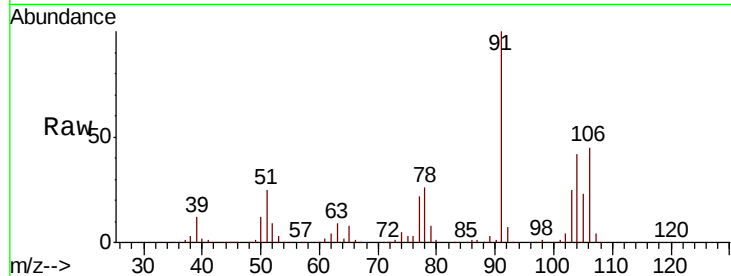




#69
o-Xylene
Concen: 18.909 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

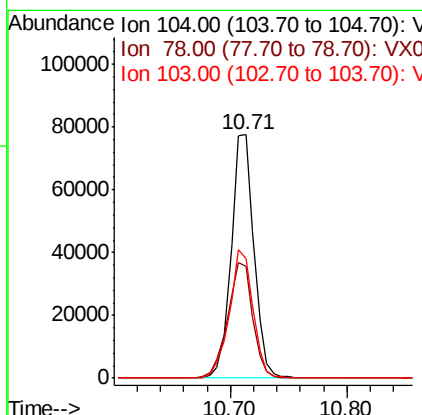
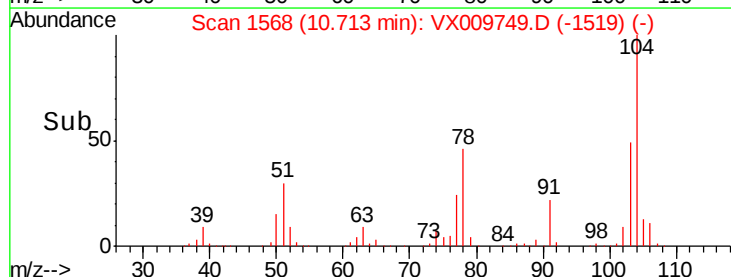
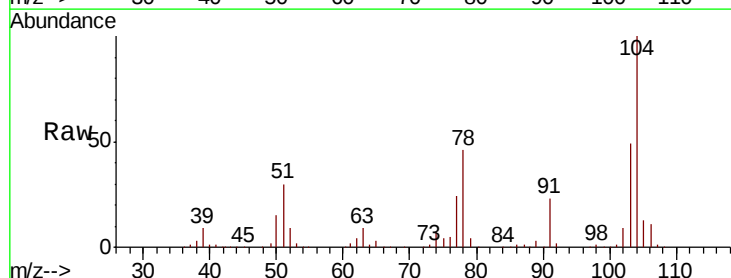
Instrument :
MSVOA_X
ClientSampled :
VX0521WBS02

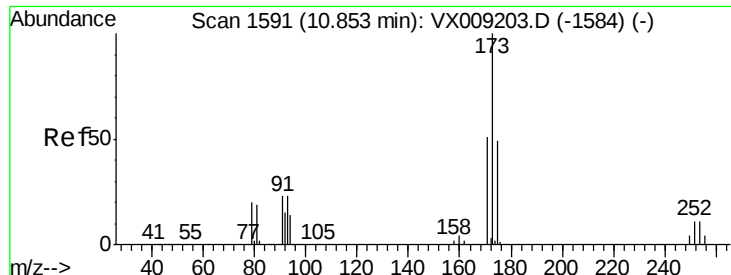
Tot Ion:106 Resp: 60628
Ion Ratio Lower Upper
106 100
91 224.6 109.5 328.4



#70
Styrene
Concen: 18.922 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Tgt Ion:104 Resp: 105449
Ion Ratio Lower Upper
104 100
78 52.2 41.0 61.4
103 55.1 43.8 65.6





#71

Bromoform

Concen: 18.572 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS02

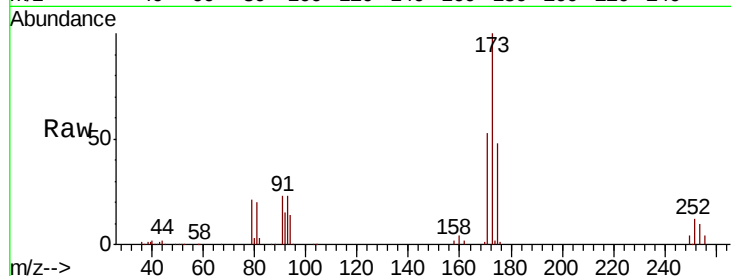
Tot Ion:173 Resp: 26439

Ion Ratio Lower Upper

173 100

175 49.0 24.5 73.5

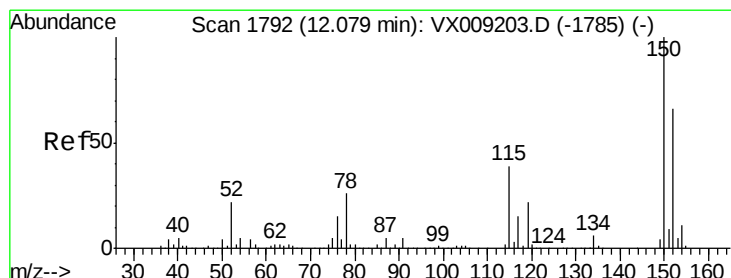
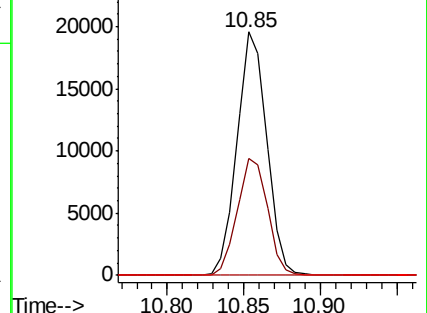
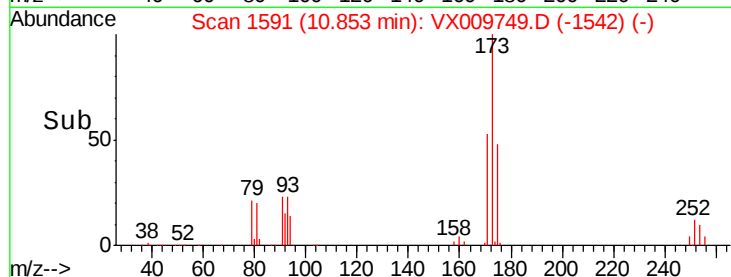
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

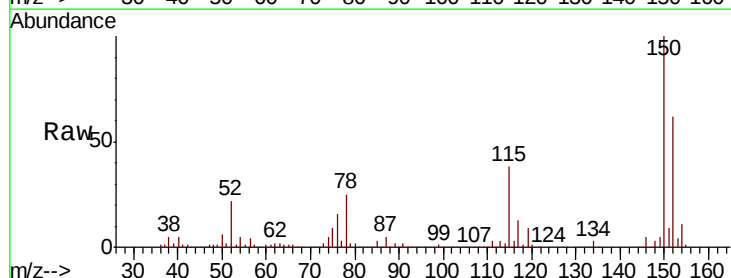
Tgt Ion:152 Resp: 114844

Ion Ratio Lower Upper

152 100

115 68.1 41.2 123.6

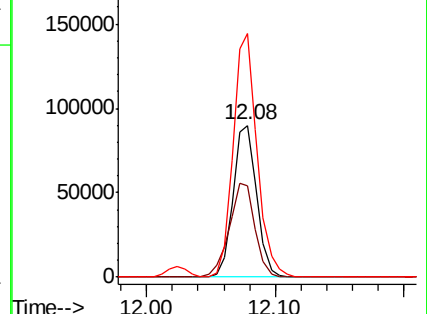
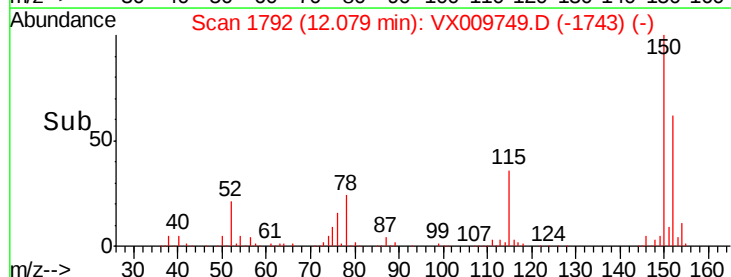
150 163.1 0.0 346.4



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: 19.367 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

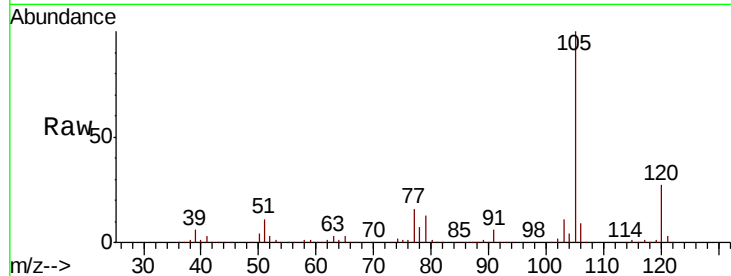
VX0521WBS02

Tot Ion:105 Resp: 161744

Ion Ratio Lower Upper

105 100

120 26.7 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

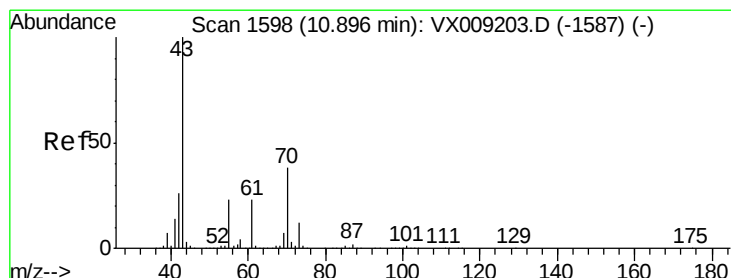
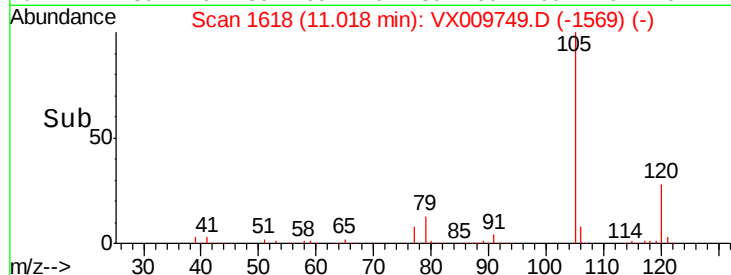
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 19.906 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Tgt Ion: 43 Resp: 96919

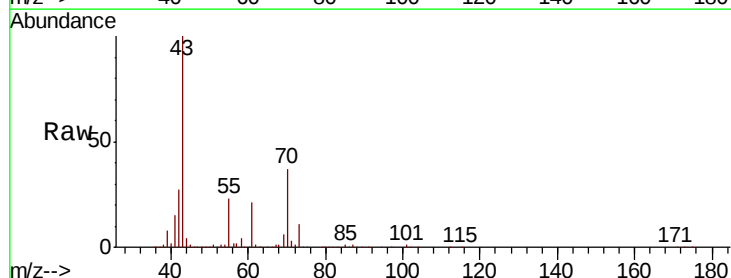
Ion Ratio Lower Upper

43 100

70 35.7 30.0 45.0

55 23.0 17.9 26.9

61 21.6 18.4 27.6



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

120000

100000

80000

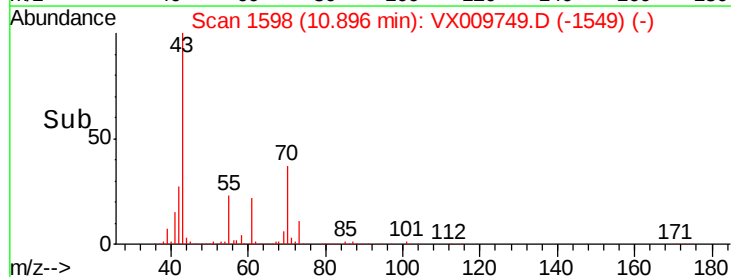
60000

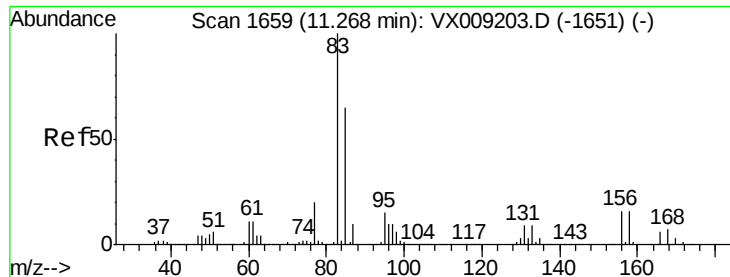
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.779 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS02

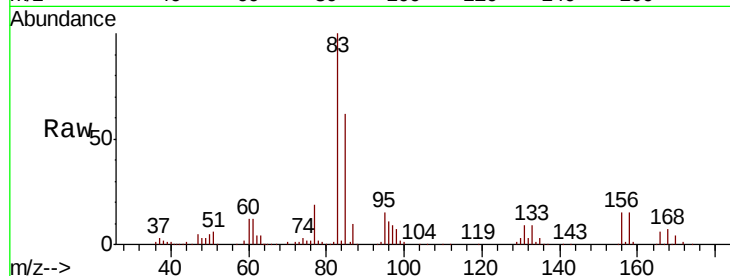
Tot Ion: 83 Resp: 61576

Ion Ratio Lower Upper

83 100

131 9.5 4.6 13.8

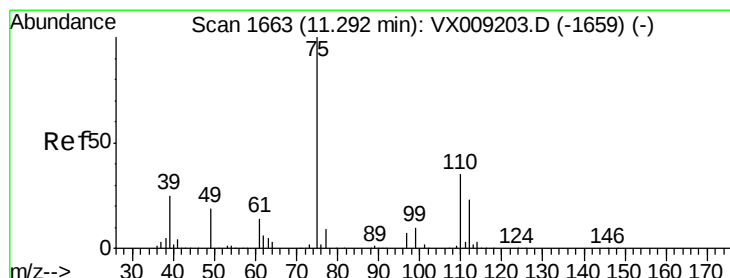
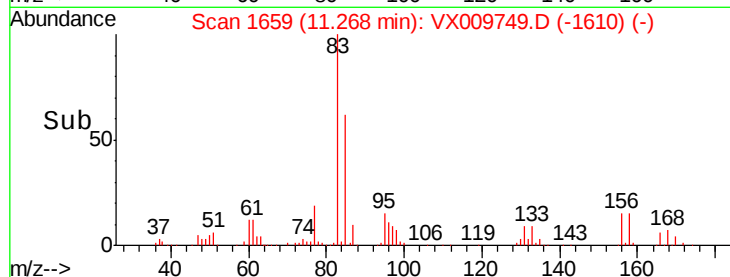
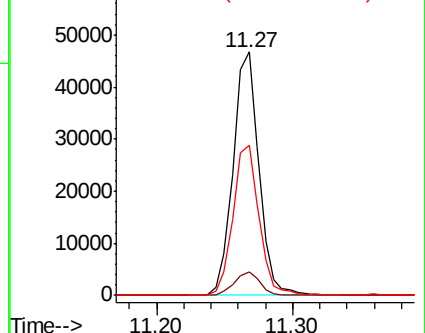
85 62.4 32.0 96.2



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: 26.440 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009749.D

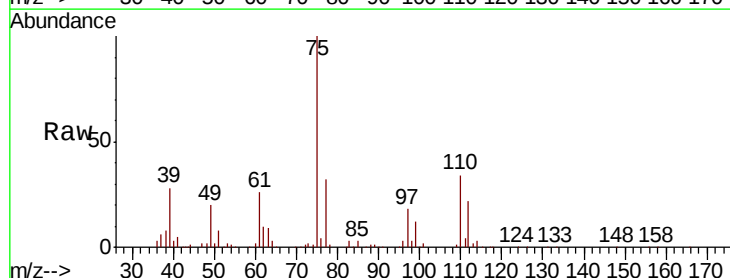
Acq: 21 May 2019 15:47

Tgt Ion: 75 Resp: 70434

Ion Ratio Lower Upper

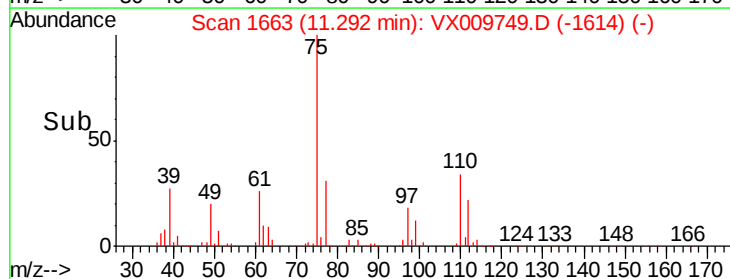
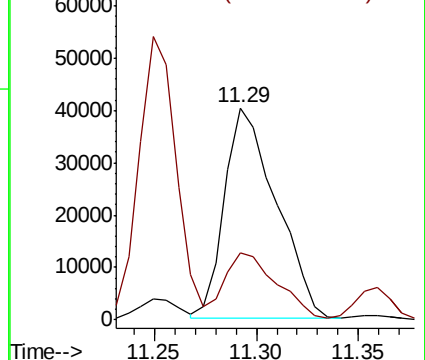
75 100

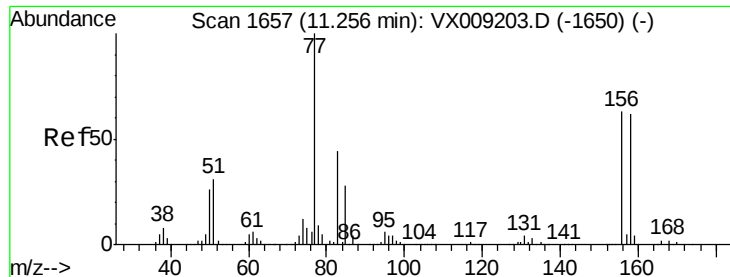
77 32.5 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

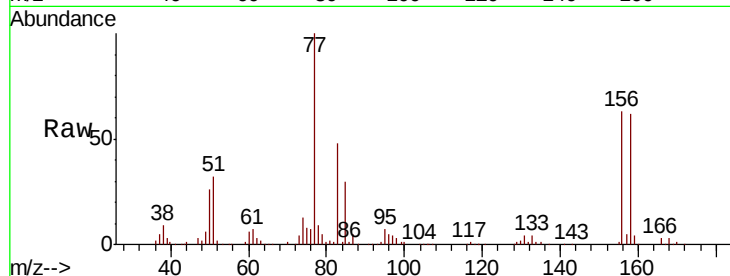




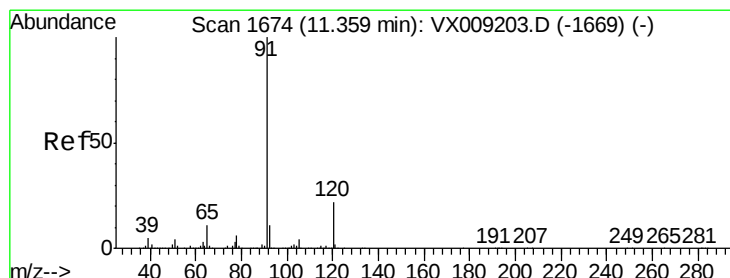
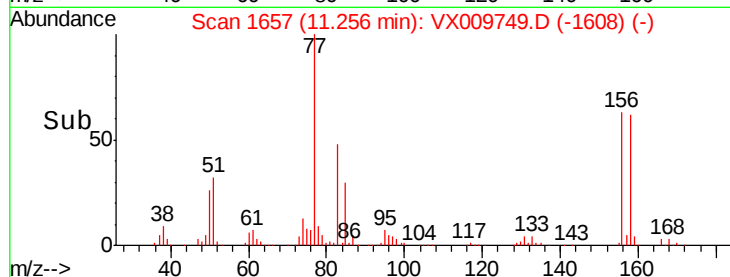
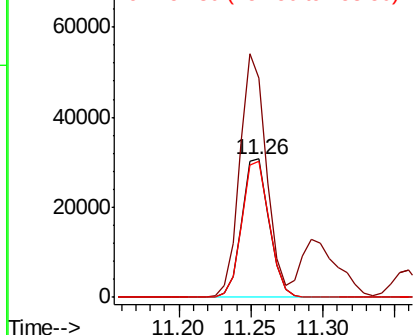
#77
Bromobenzene
Concen: 19.455 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS02

Tot Ion:156 Resp: 40328
Ion Ratio Lower Upper
156 100
77 171.1 84.8 254.3
158 98.8 49.1 147.3

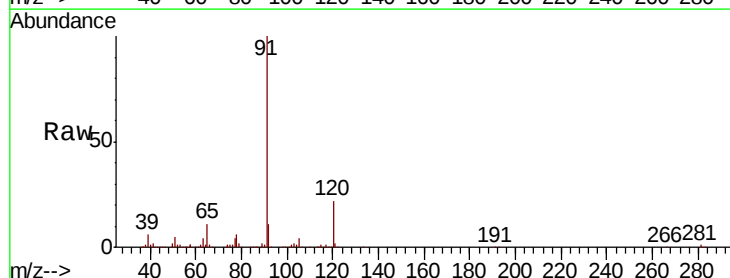


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V

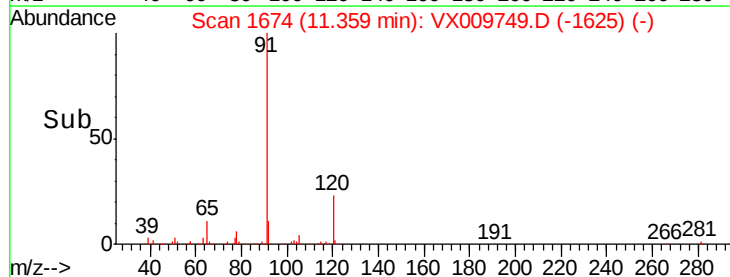
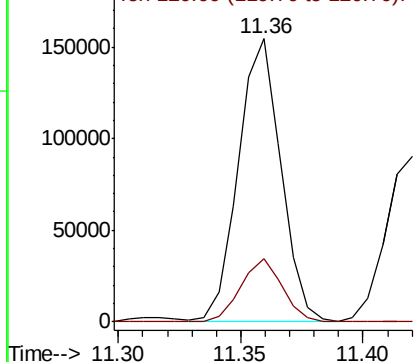


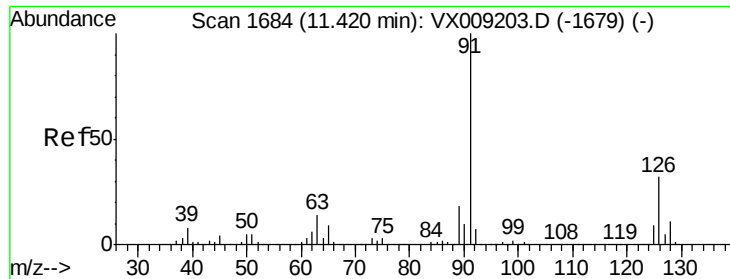
#78
n-propylbenzene
Concen: 19.458 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Tgt Ion: 91 Resp: 185579
Ion Ratio Lower Upper
91 100
120 22.0 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.279 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

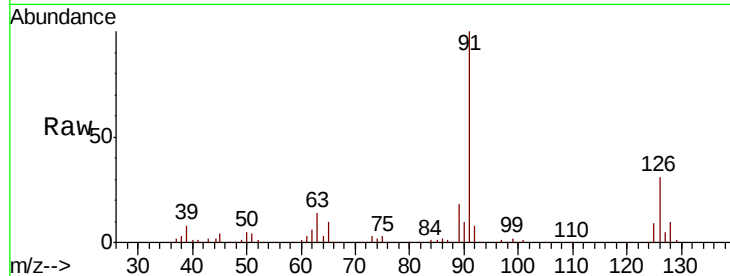
VX0521WBS02

Tot Ion: 91 Resp: 113444

Ion Ratio Lower Upper

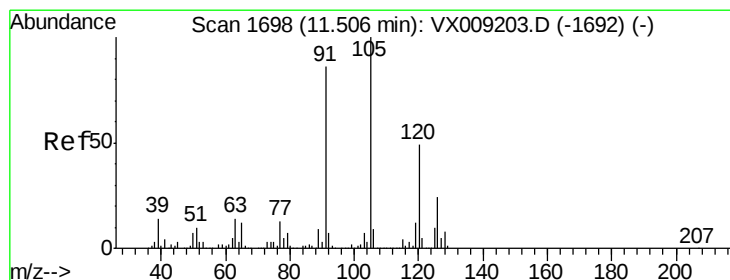
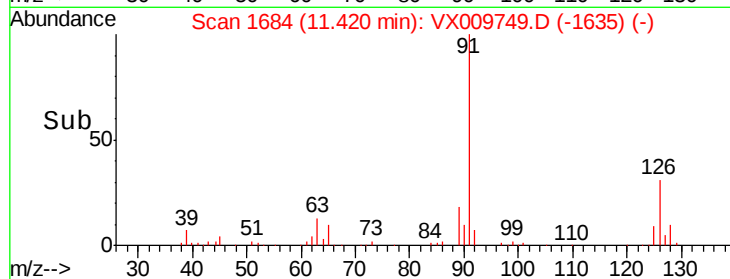
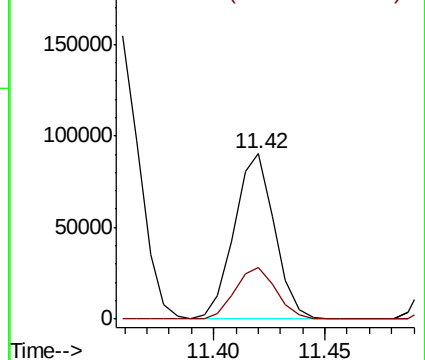
91 100

126 32.3 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.627 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009749.D

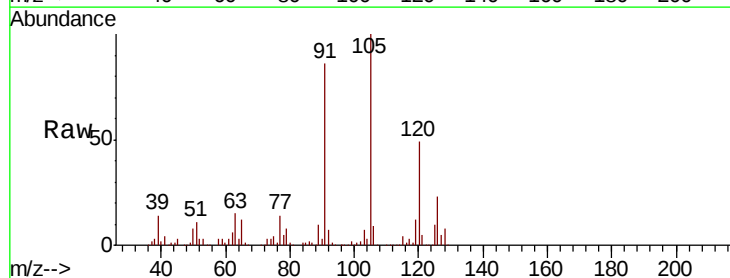
Acq: 21 May 2019 15:47

Tgt Ion:105 Resp: 138017

Ion Ratio Lower Upper

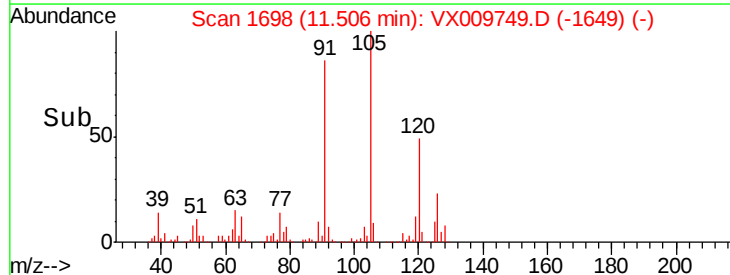
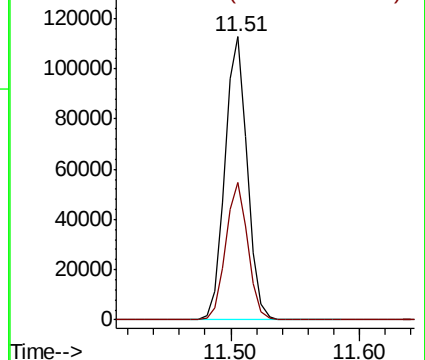
105 100

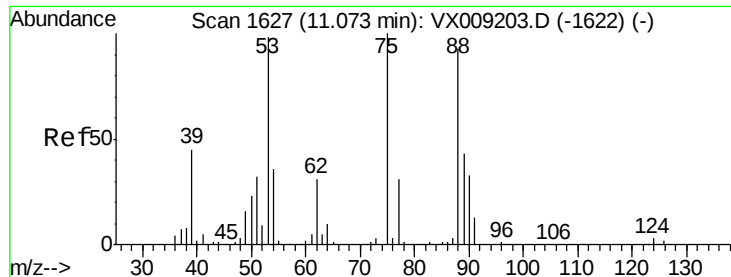
120 48.0 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.669 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS02

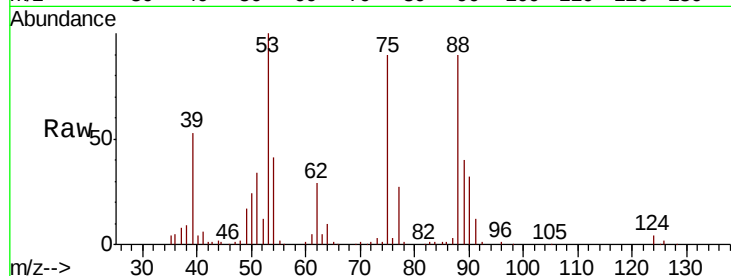
Tot Ion: 75 Resp: 19437

Ion Ratio Lower Upper

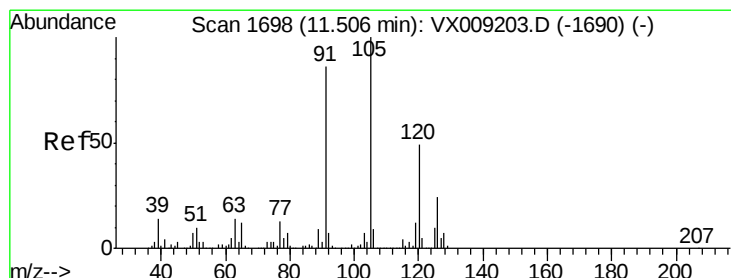
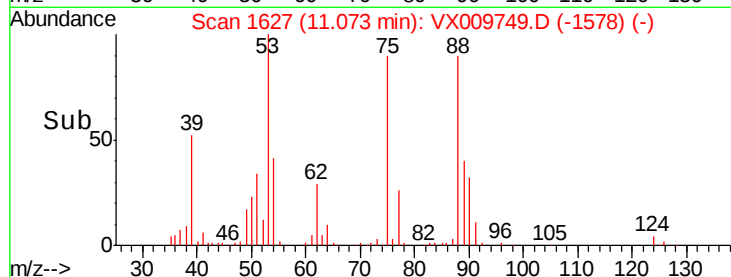
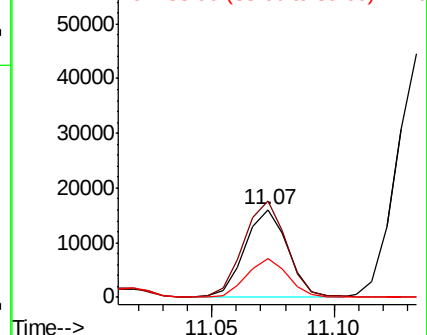
75 100

53 112.4 79.0 118.6

89 42.9 34.7 52.1



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 19.349 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009749.D

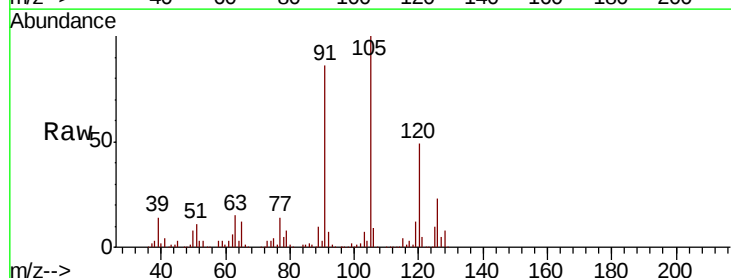
Acq: 21 May 2019 15:47

Tgt Ion: 91 Resp: 128625

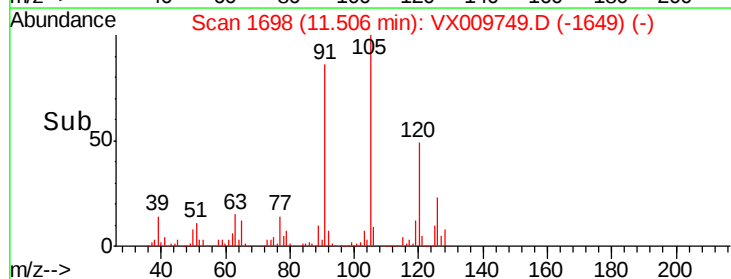
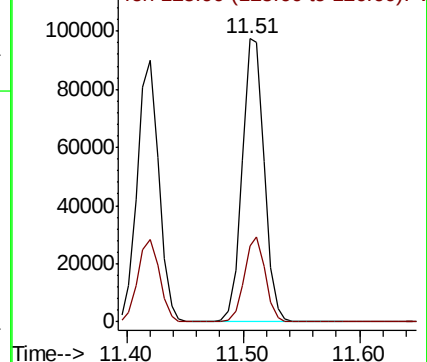
Ion Ratio Lower Upper

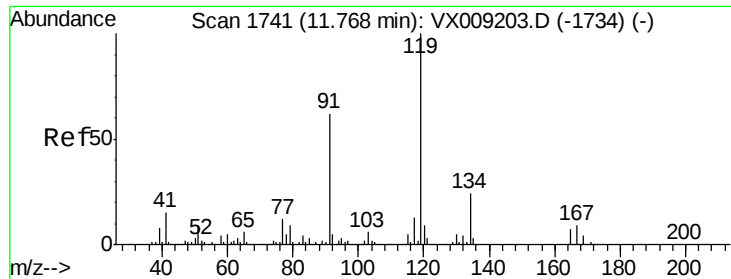
91 100

126 28.5 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V

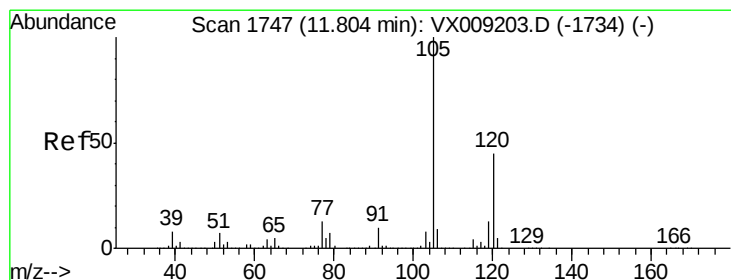
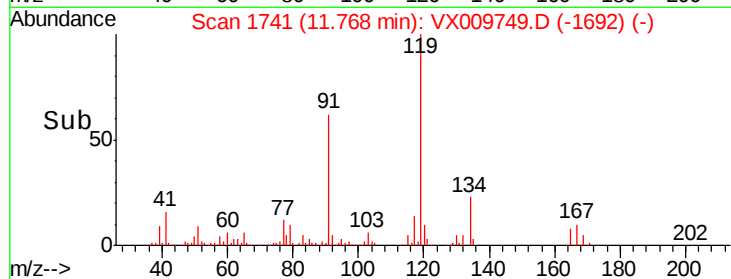
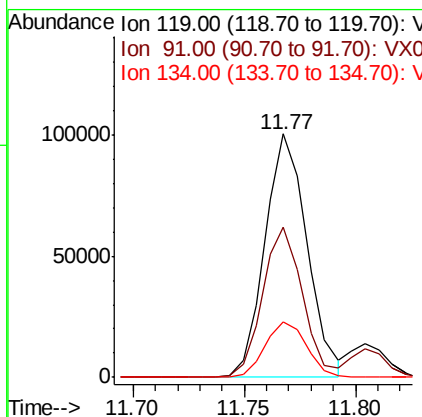
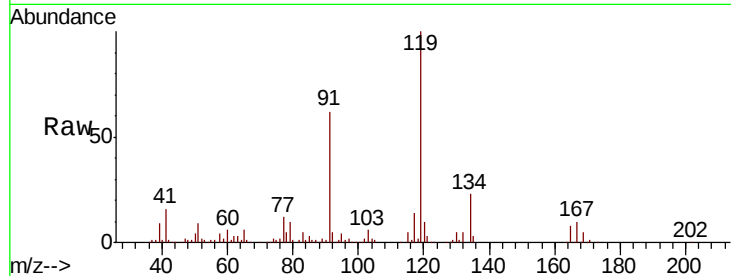




#83
tert-Butylbenzene
Concen: 19.299 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

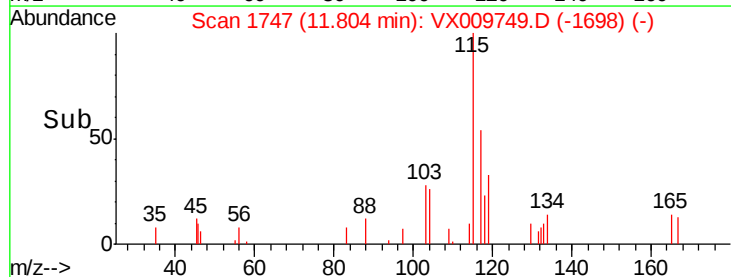
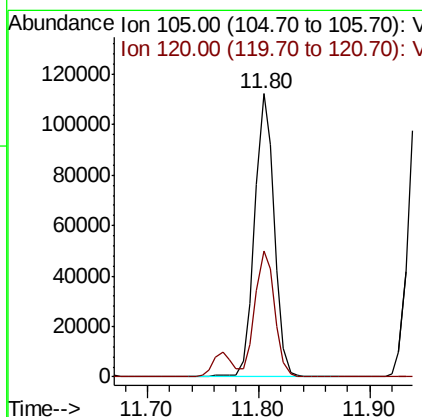
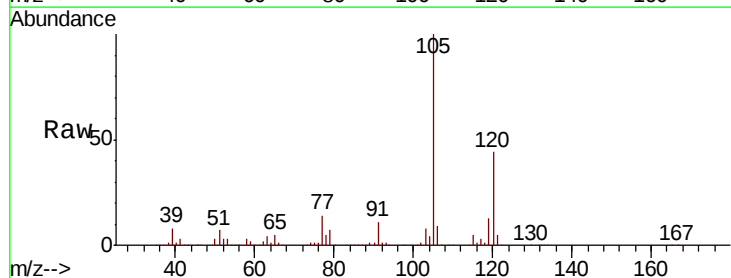
Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS02

Tot Ion:119 Resp: 132015
Ion Ratio Lower Upper
119 100
91 59.1 29.5 88.5
134 22.6 11.4 34.1



#84
1,2,4-Trimethylbenzene
Concen: 19.489 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Tgt Ion:105 Resp: 137554
Ion Ratio Lower Upper
105 100
120 44.5 22.0 66.0





#85

sec-Butylbenzene

Concen: 19.223 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

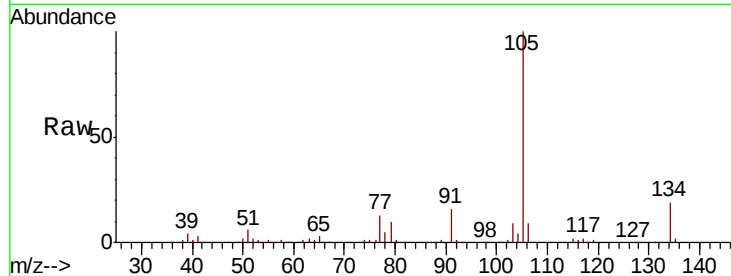
VX0521WBS02

Tot Ion:105 Resp: 155901

Ion Ratio Lower Upper

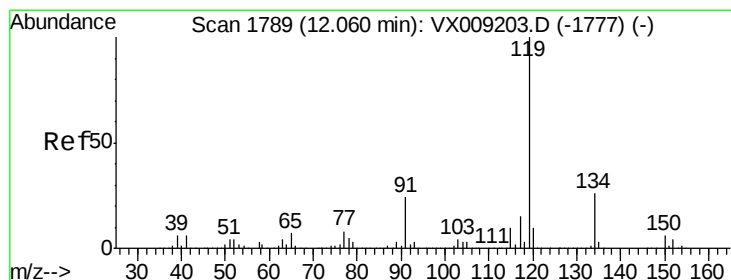
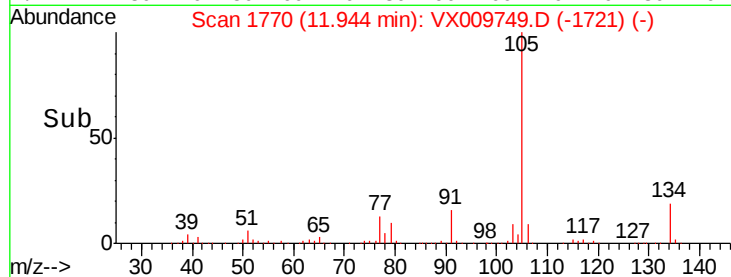
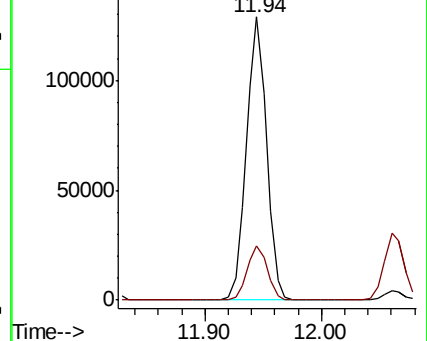
105 100

134 19.5 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.274 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

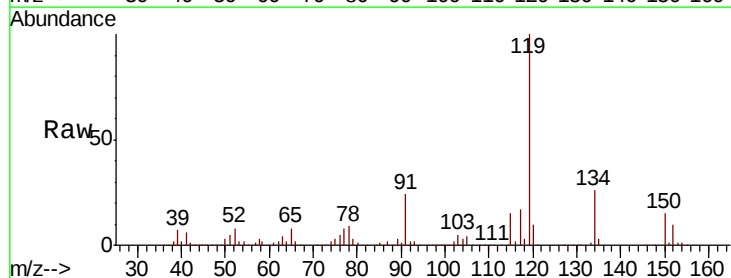
Tgt Ion:119 Resp: 140522

Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.7

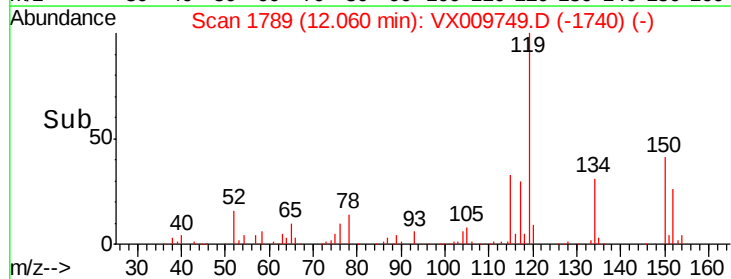
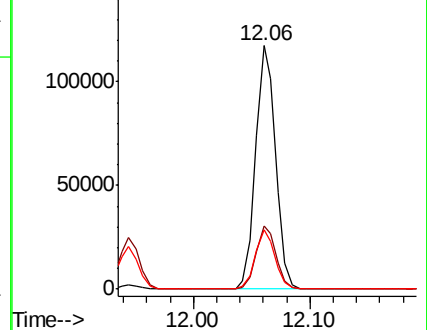
91 24.2 11.8 35.4

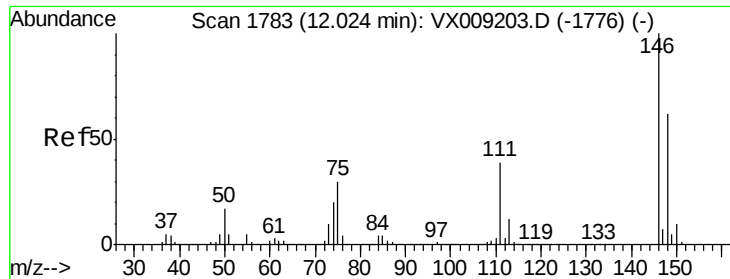


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

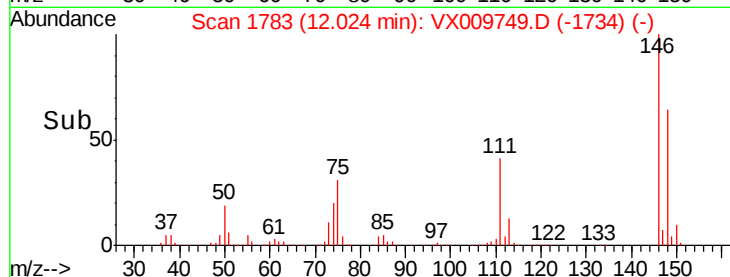
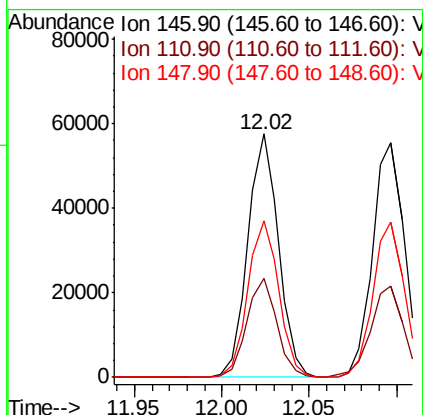
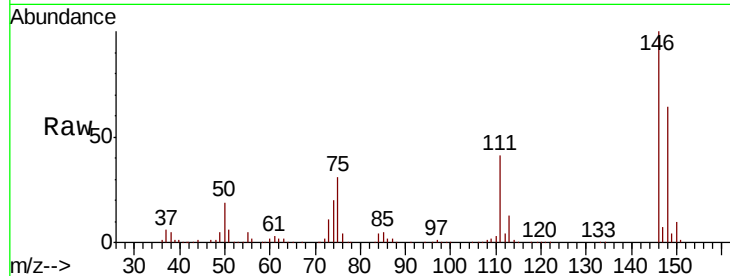




#87
 1,3-Dichlorobenzene
 Concen: 19.015 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009749.D
 Acq: 21 May 2019 15:47

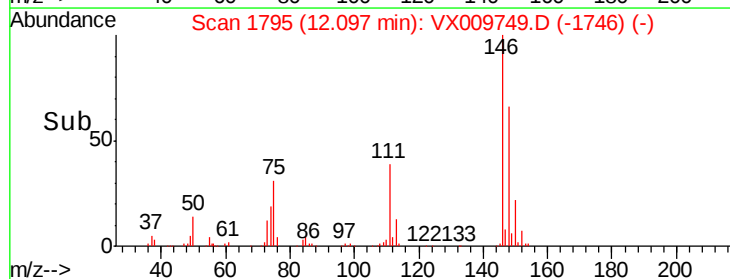
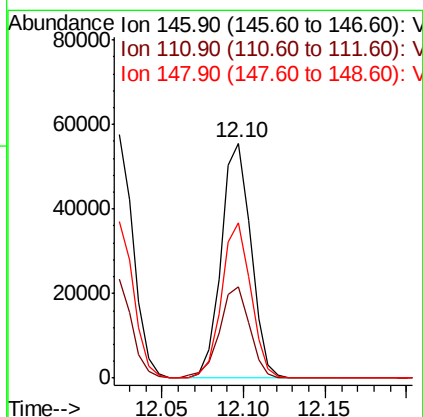
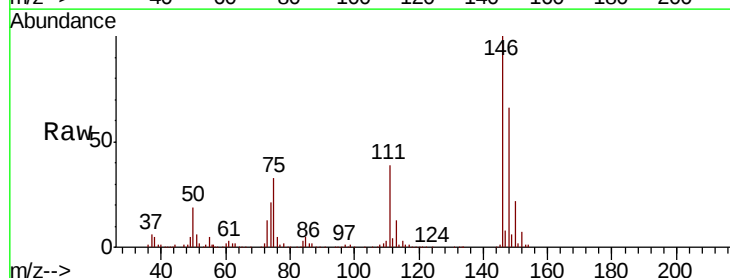
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBS02

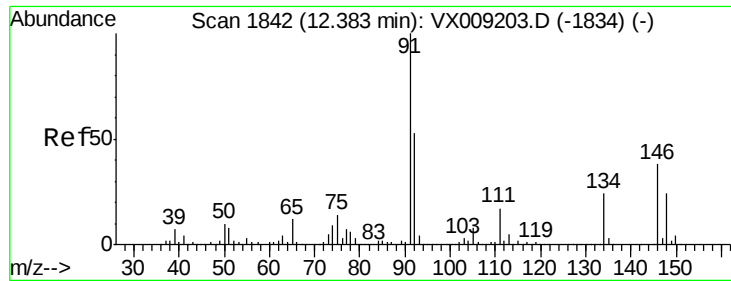
Tot Ion:146 Resp: 70265
 Ion Ratio Lower Upper
 146 100
 111 39.9 20.0 59.9
 148 64.9 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 18.845 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009749.D
 Acq: 21 May 2019 15:47

Tgt Ion:146 Resp: 70205
 Ion Ratio Lower Upper
 146 100
 111 40.2 19.6 58.8
 148 65.3 31.8 95.3

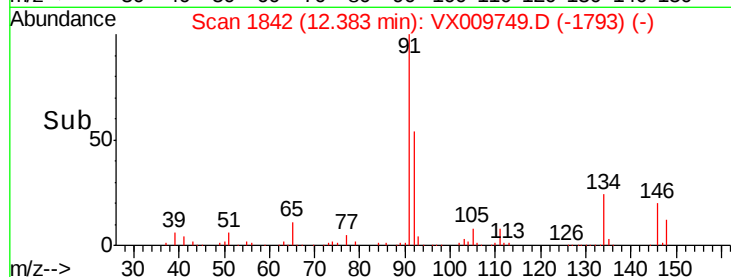
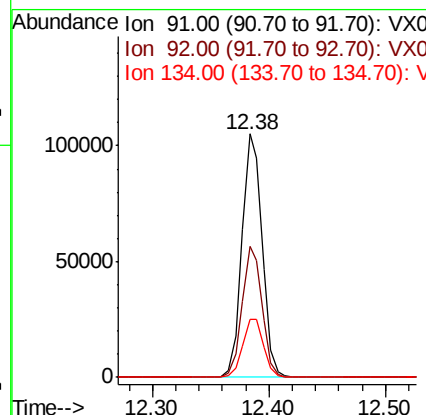
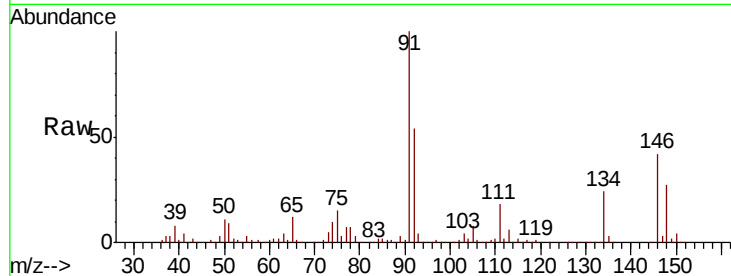




#89
n-Butylbenzene
Concen: 19.264 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

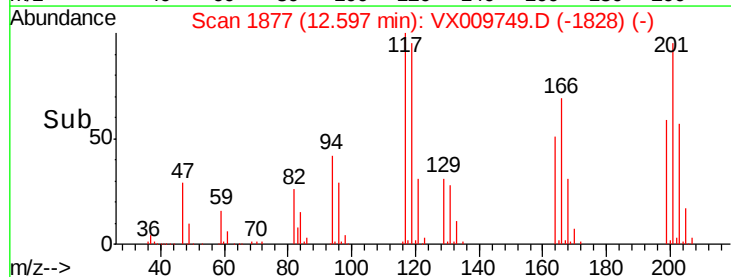
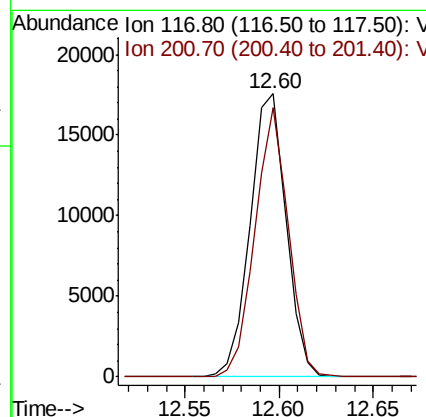
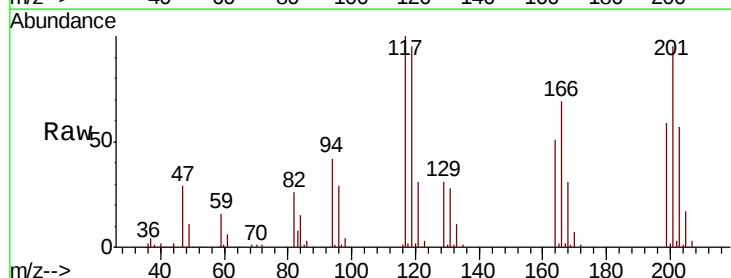
Instrument :
MSVOA_X
ClientSampled :
VX0521WBS02

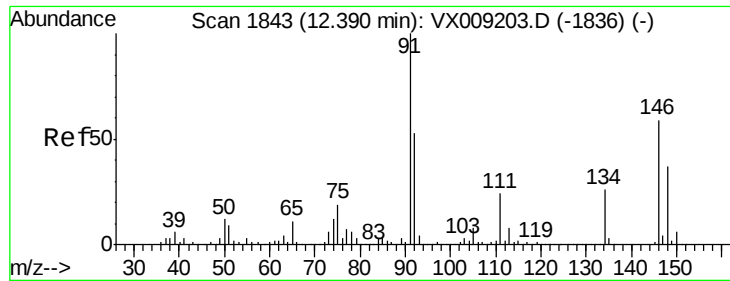
Tot Ion: 91 Resp: 126941
Ion Ratio Lower Upper
91 100
92 53.0 26.5 79.5
134 24.9 12.4 37.2



#90
Hexachloroethane
Concen: 18.735 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Tgt Ion: 117 Resp: 23271
Ion Ratio Lower Upper
117 100
201 88.0 42.3 126.9

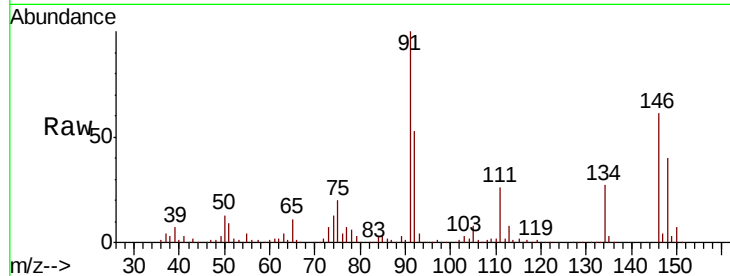




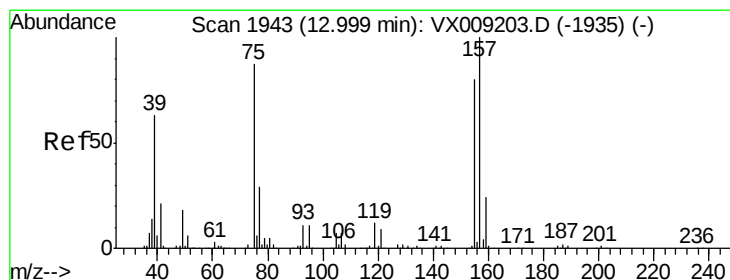
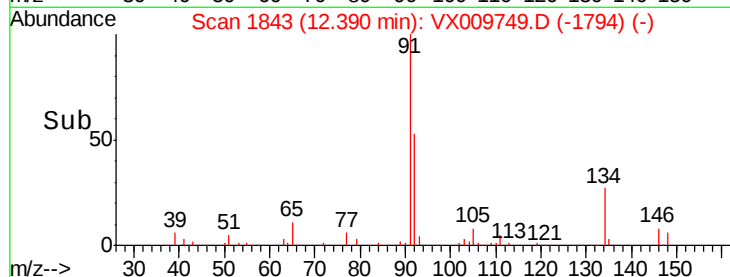
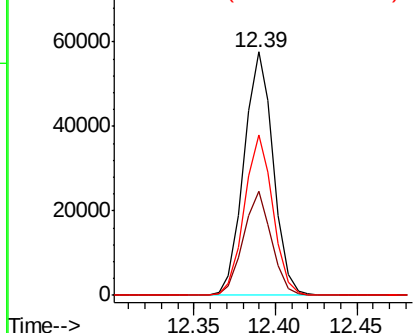
#91
 1,2-Dichlorobenzene
 Concen: 19.221 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009749.D
 Acq: 21 May 2019 15:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBS02

Tot Ion:146 Resp: 72344
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.8 62.4
 148 64.0 31.9 95.9

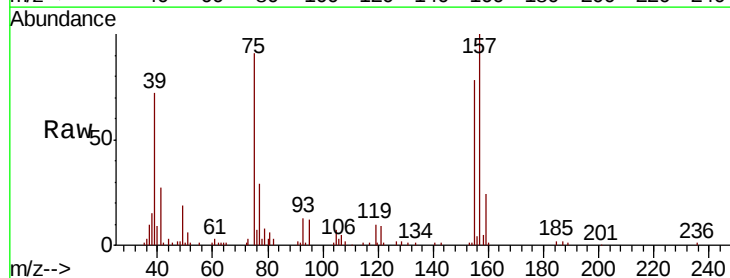


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

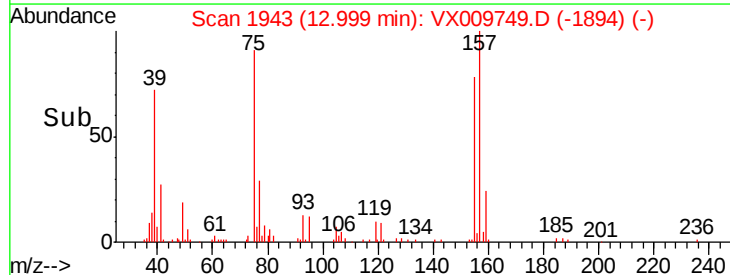
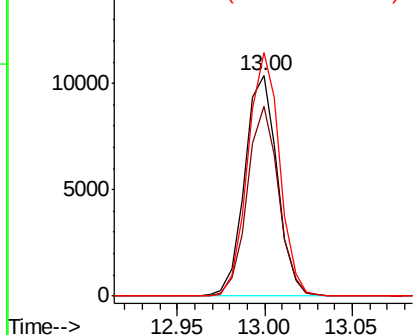


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.190 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009749.D
 Acq: 21 May 2019 15:47

Tgt Ion: 75 Resp: 13402
 Ion Ratio Lower Upper
 75 100
 155 82.5 42.0 126.0
 157 108.0 53.2 159.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

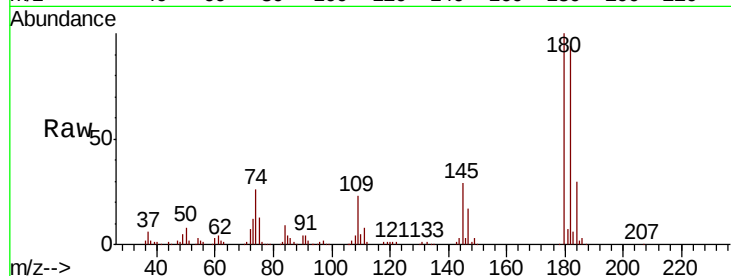




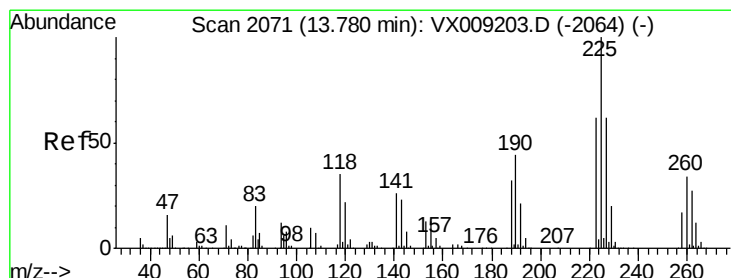
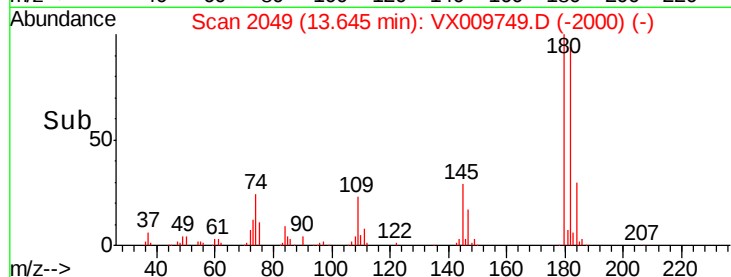
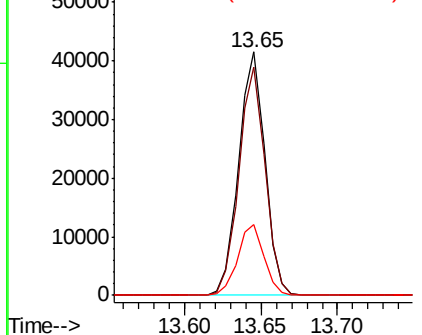
#93
 1,2,4-Trichlorobenzene
 Concen: 19.239 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009749.D
 Acq: 21 May 2019 15:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBS02

Tot Ion:180 Resp: 49517
 Ion Ratio Lower Upper
 180 100
 182 93.2 48.4 145.2
 145 29.0 14.6 43.8

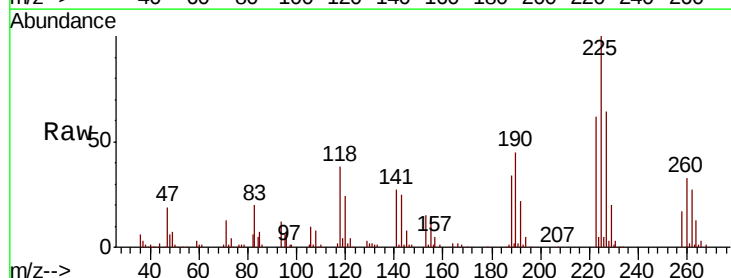


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

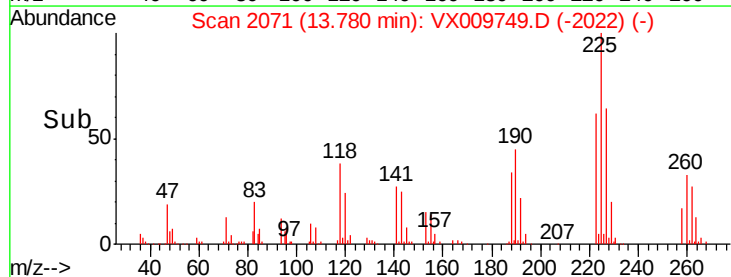
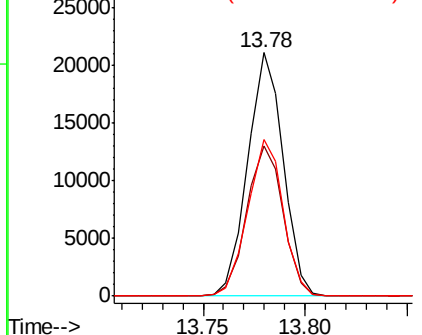


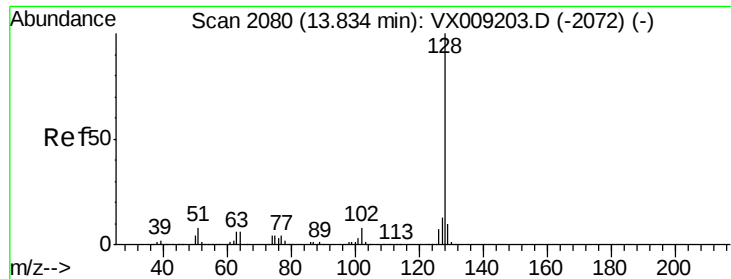
#94
 Hexachlorobutadiene
 Concen: 19.421 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009749.D
 Acq: 21 May 2019 15:47

Tgt Ion:225 Resp: 25525
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.3 93.8
 227 64.1 31.8 95.3



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





#95

Naphthalene

Concen: 18.564 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS02

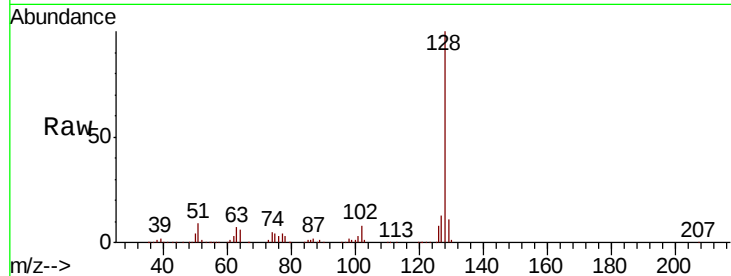
Tot Ion:128 Resp: 155448

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

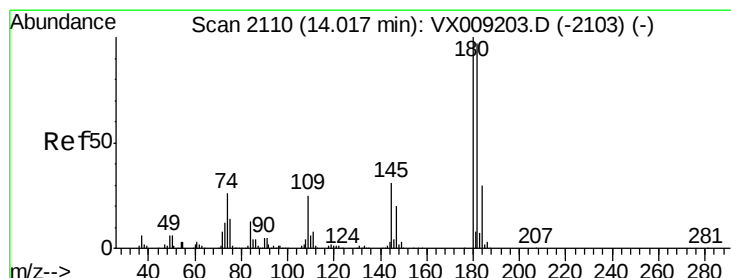
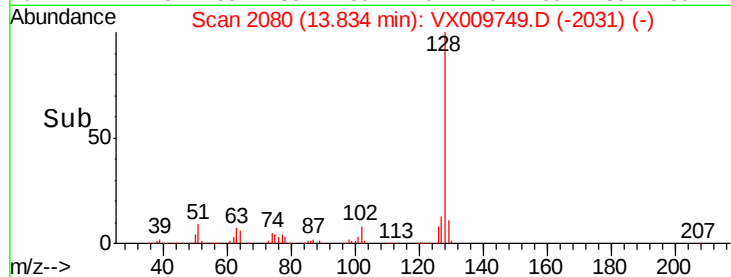
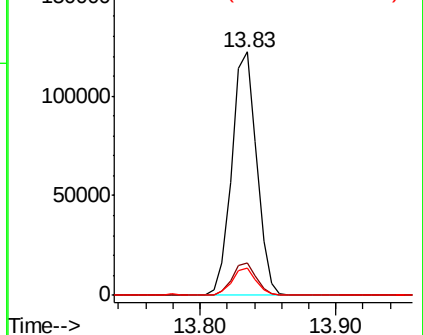
129 10.9 8.6 13.0



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: 18.926 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

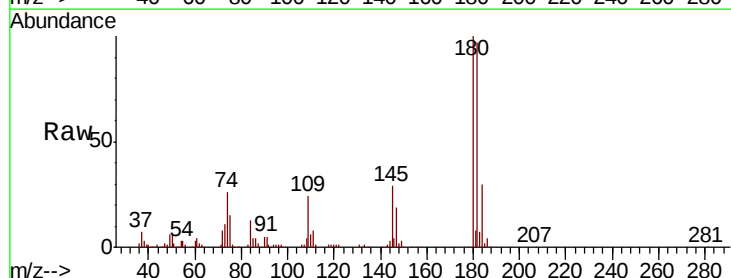
Tgt Ion:180 Resp: 49377

Ion Ratio Lower Upper

180 100

182 96.9 47.8 143.4

145 30.9 15.4 46.4



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

