

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100418\
 Data File : VX005045.D
 Acq On : 05 Oct 2018 04:04
 Operator : JC/MD
 Sample : VX1004WBS04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 83 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 05 05:20:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	208500	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	318172	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	302748	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	179005	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	160031	53.73	ug/l	0.00
Spiked Amount			Recovery	=	107.46%	
35) Dibromofluoromethane	5.49	113	131642	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
50) Toluene-d8	8.71	98	481377	53.70	ug/l	0.00
Spiked Amount			Recovery	=	107.40%	
62) 4-Bromofluorobenzene	11.14	95	174166	53.93	ug/l	0.00
Spiked Amount			Recovery	=	107.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	59262	20.846	ug/l	98
3) Chloromethane	1.32	50	67097	19.454	ug/l	100
4) Vinyl Chloride	1.40	62	68790	21.265	ug/l	98
5) Bromomethane	1.64	94	40315	21.017	ug/l	96
6) Chloroethane	1.71	64	40634	21.733	ug/l	100
7) Trichlorofluoromethane	1.92	101	85878	21.444	ug/l	96
8) Diethyl Ether	2.19	74	35924	20.649	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	50921	22.322	ug/l	95
10) Methyl Iodide	2.51	142	43679	14.309	ug/l	91
11) Tert butyl alcohol	3.08	59	92835	111.474	ug/l	99
12) 1,1-Dichloroethene	2.37	96	46302	20.495	ug/l	97
13) Acrolein	2.29	56	16611	28.034	ug/l	85
14) Allyl chloride	2.72	41	103714	21.040	ug/l	96
15) Acrylonitrile	3.15	53	208771	113.877	ug/l	97
16) Acetone	2.45	43	182953	105.214	ug/l	93
17) Carbon Disulfide	2.57	76	124307	18.311	ug/l	100
18) Methyl Acetate	2.78	43	113525	25.768	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	183439	23.540	ug/l	92
20) Methylene Chloride	2.85	84	55949	21.654	ug/l	89
21) trans-1,2-Dichloroethene	3.16	96	50877	20.572	ug/l #	83
22) Diisopropyl ether	3.87	45	194755	23.463	ug/l #	91
23) Vinyl Acetate	3.82	43	831456	109.431	ug/l	97
24) 1,1-Dichloroethane	3.70	63	105152	21.237	ug/l	99
25) 2-Butanone	4.70	43	269369	105.094	ug/l	95
26) 2,2-Dichloropropane	4.58	77	45056	13.068	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	57847	20.938	ug/l	95
28) Bromochloromethane	5.03	49	50661	21.727	ug/l	97
29) Tetrahydrofuran	5.16	42	177716	111.555	ug/l	99
30) Chloroform	5.21	83	96704	20.665	ug/l	99
31) Cyclohexane	5.57	56	80678	21.289	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	80988	21.192	ug/l	96
36) 1,1-Dichloropropene	5.79	75	70517	19.167	ug/l	92
37) Ethyl Acetate	4.85	43	96776	19.816	ug/l	98
38) Carbon Tetrachloride	5.78	117	68910	17.818	ug/l	98

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Quant Time: Oct 05 05:20:35 2018
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 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	69975	18.626	ug/l #	84
40) Benzene	6.14	78	227484	19.750	ug/l	92
41) Methacrylonitrile	5.06	41	53539	19.768	ug/l	97
42) 1,2-Dichloroethane	6.20	62	78187	19.202	ug/l	97
43) Isopropyl Acetate	6.46	43	134275	19.049	ug/l	96
44) Trichloroethene	7.21	130	56079	19.805	ug/l	99
45) 1,2-Dichloropropane	7.52	63	57811	20.467	ug/l	96
46) Dibromomethane	7.66	93	36890	20.781	ug/l	99
47) Bromodichloromethane	7.90	83	68721	20.677	ug/l	99
48) Methyl methacrylate	7.78	41	70861	22.149	ug/l	100
49) 1,4-Dioxane	7.76	88	33330	419.329	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	497212	112.029	ug/l	99
52) Toluene	8.79	92	131929	20.845	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	70072	18.657	ug/l	92
54) cis-1,3-Dichloropropene	8.44	75	77750	19.764	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	56043	20.215	ug/l	94
56) Ethyl methacrylate	9.18	69	81821	20.009	ug/l	98
57) 1,3-Dichloropropane	9.37	76	92690	20.089	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	243601	110.411	ug/l	100
59) 2-Hexanone	9.50	43	388501	105.044	ug/l	94
60) Dibromochloromethane	9.59	129	54488	19.653	ug/l	99
61) 1,2-Dibromoethane	9.68	107	57775	19.459	ug/l	96
64) Tetrachloroethene	9.34	164	59009	19.804	ug/l	95
65) Chlorobenzene	10.14	112	146318	18.847	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	52229	19.137	ug/l	100
67) Ethyl Benzene	10.26	91	237142	19.240	ug/l	97
68) m/p-Xylenes	10.36	106	185894	38.596	ug/l	93
69) o-Xylene	10.70	106	88633	20.036	ug/l	99
70) Styrene	10.71	104	150578	19.561	ug/l	100
71) Bromoform	10.86	173	43976	18.821	ug/l	99
73) Isopropylbenzene	11.02	105	240331	21.300	ug/l	100
74) N-amyl acetate	10.90	43	113252	19.371	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	90041	19.604	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	97490	24.299	ug/l	86
77) Bromobenzene	11.26	156	66975	20.437	ug/l	99
78) n-propylbenzene	11.36	91	271972	21.008	ug/l	99
79) 2-Chlorotoluene	11.42	91	170200	21.092	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	204261	19.632	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	19875	14.961	ug/l	95
82) 4-Chlorotoluene	11.51	91	197663	20.811	ug/l	99
83) tert-Butylbenzene	11.77	119	195828	21.080	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	212174	19.776	ug/l	99
85) sec-Butylbenzene	11.94	105	237050	20.950	ug/l	100
86) p-Isopropyltoluene	12.07	119	209855	20.471	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	120588	19.706	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	122513	19.394	ug/l	97
89) n-Butylbenzene	12.39	91	176996	19.011	ug/l	99
90) Hexachloroethane	12.60	117	32605	19.102	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	122926	19.222	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	20334	20.163	ug/l	97

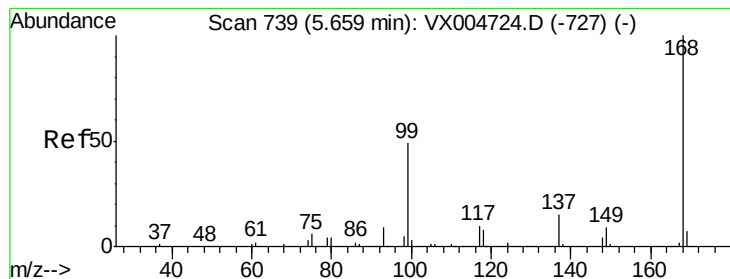
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Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	85748	19.114	ug/l	99
94) Hexachlorobutadiene	13.79	225	40958	17.607	ug/l	99
95) Naphthalene	13.83	128	279842	19.243	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	91646	19.776	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

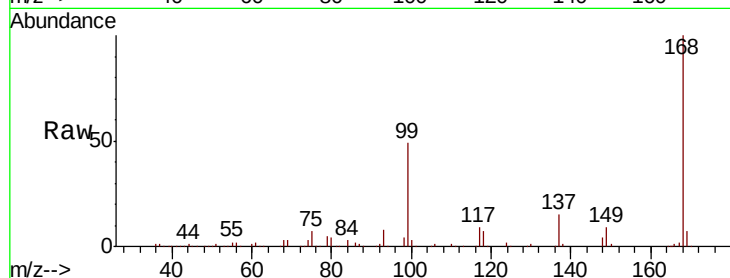
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 208500

Ion Ratio Lower Upper

168 100

99 49.1 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

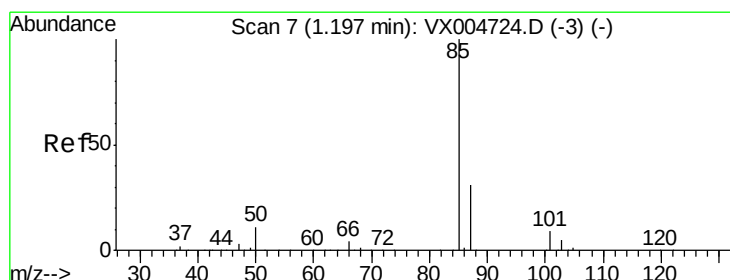
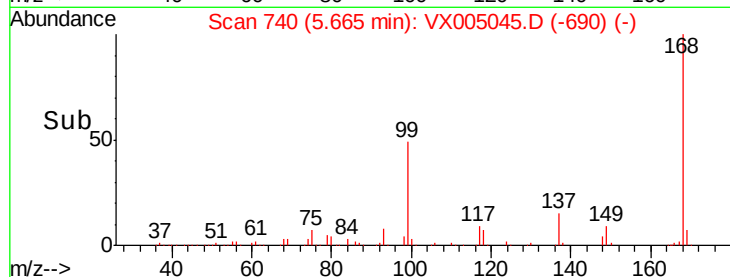
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 20.846 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005045.D

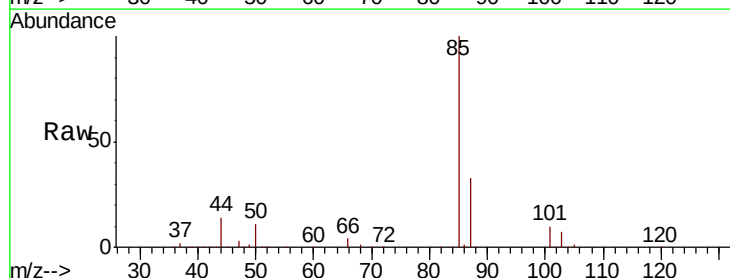
Acq: 05 Oct 2018 04:04

Tgt Ion: 85 Resp: 59262

Ion Ratio Lower Upper

85 100

87 32.7 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

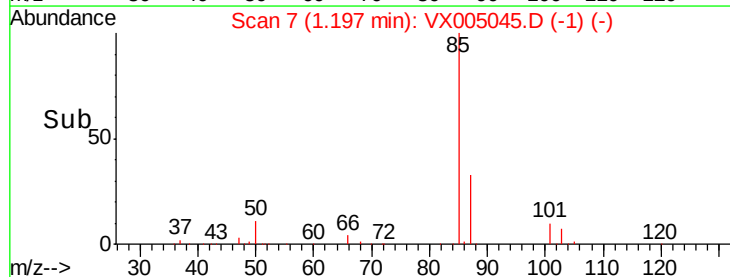
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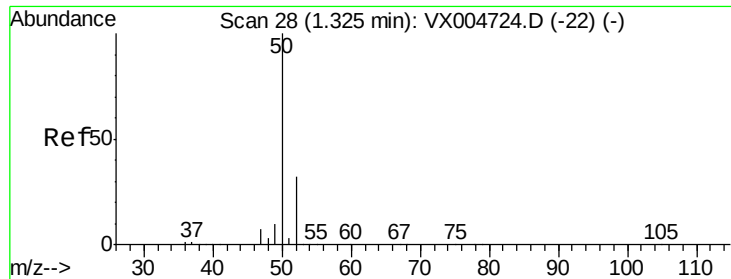
40000

20000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 19.454 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Instrument :

MSVOA_X

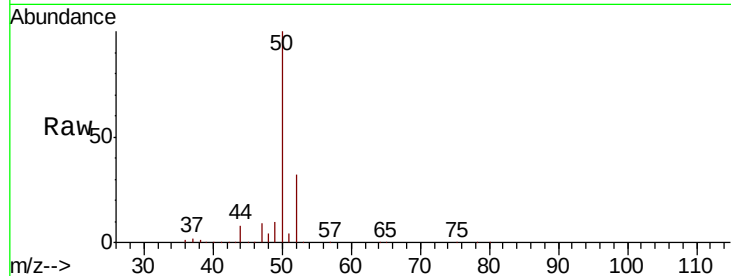
ClientSampleId :

Tot Ion: 50 Resp: 67097

Ion Ratio Lower Upper

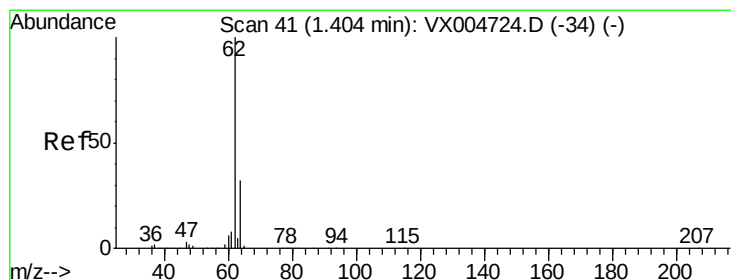
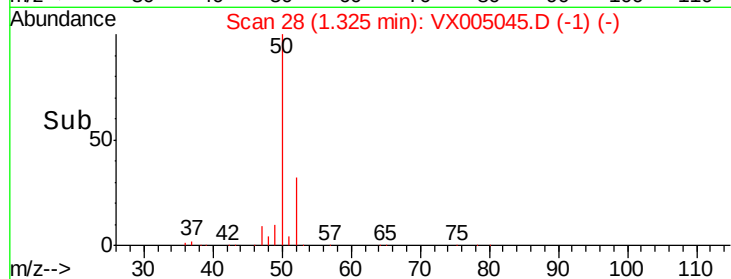
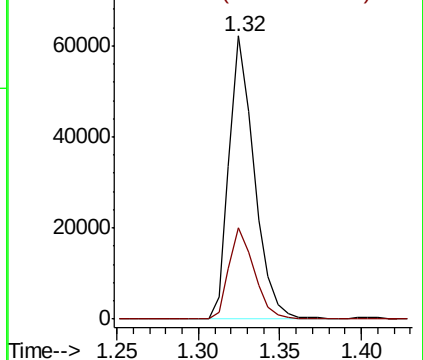
50 100

52 32.2 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 21.265 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005045.D

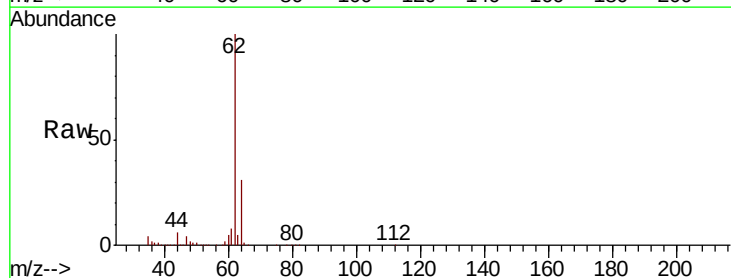
Acq: 05 Oct 2018 04:04

Tgt Ion: 62 Resp: 68790

Ion Ratio Lower Upper

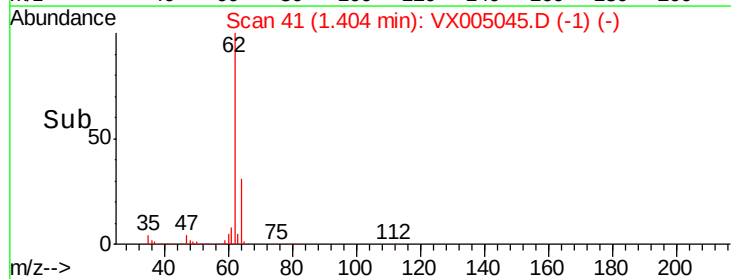
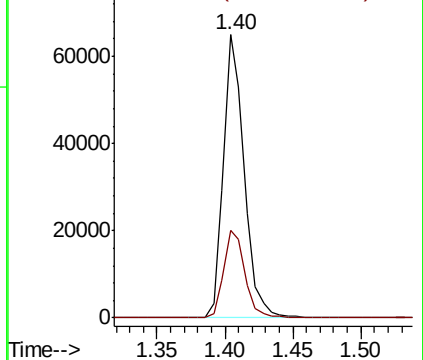
62 100

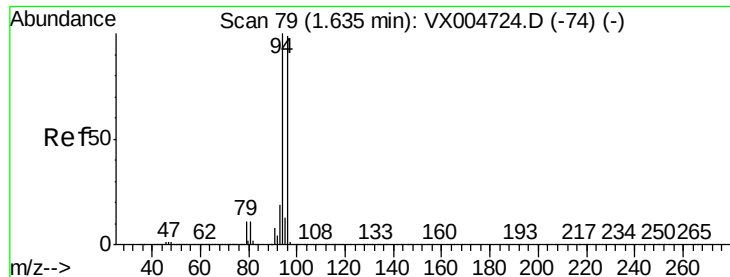
64 30.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 21.017 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Instrument :

MSVOA_X

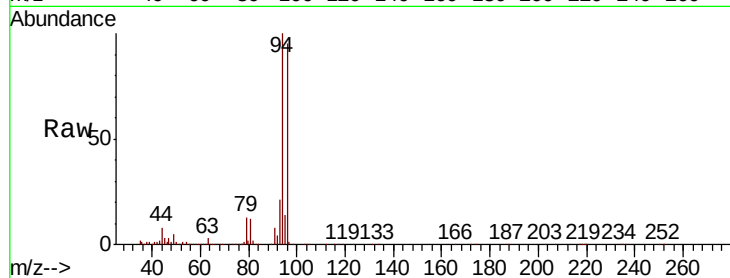
ClientSampleId :

Tot Ion: 94 Resp: 40315

Ion Ratio Lower Upper

94 100

96 95.4 79.5 119.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

40000

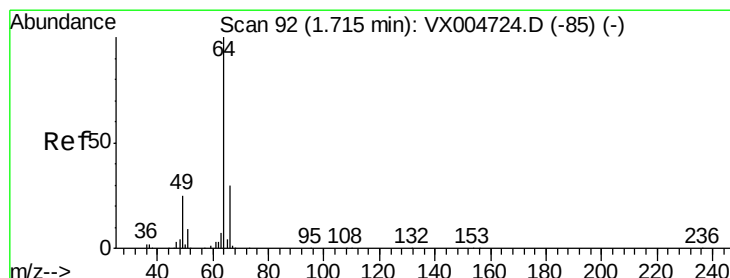
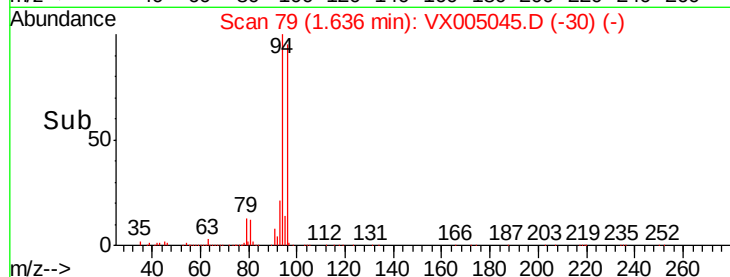
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 21.733 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX005045.D

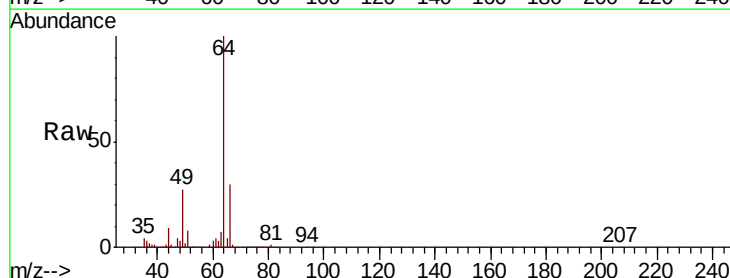
Acq: 05 Oct 2018 04:04

Tgt Ion: 64 Resp: 40634

Ion Ratio Lower Upper

64 100

66 29.8 23.8 35.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

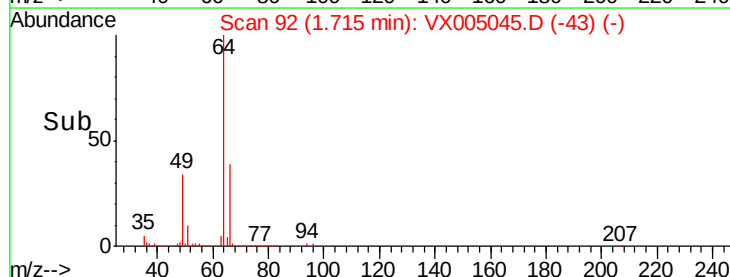
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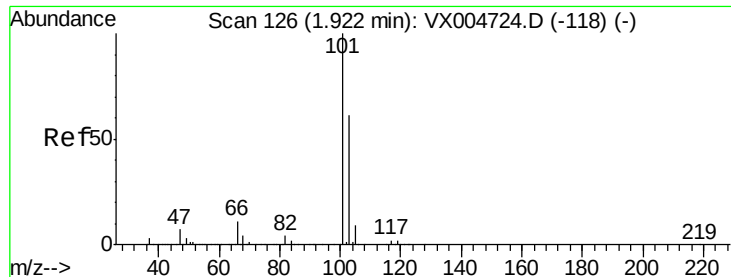
20000

10000

0

Time-->



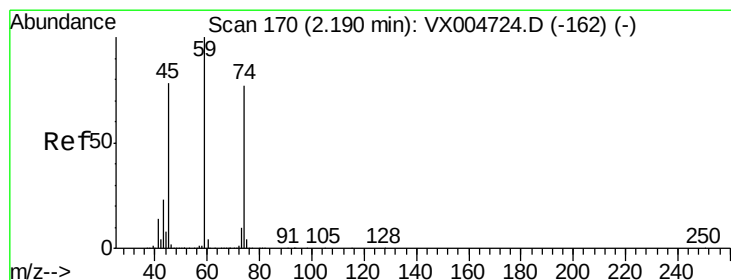
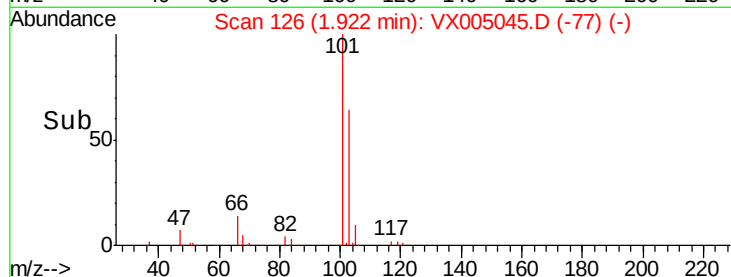
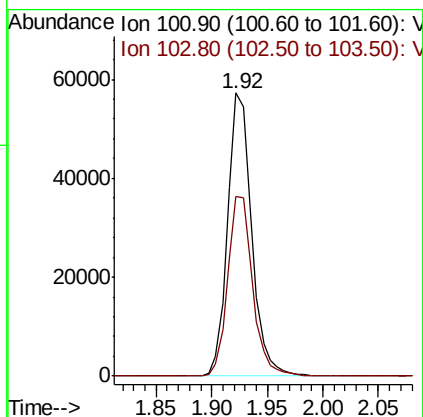
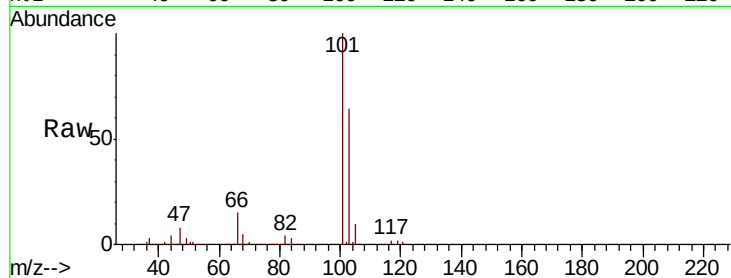


#7

Trichlorofluoromethane
Concen: 21.444 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Instrument :
MSVOA_X
ClientSampleId :

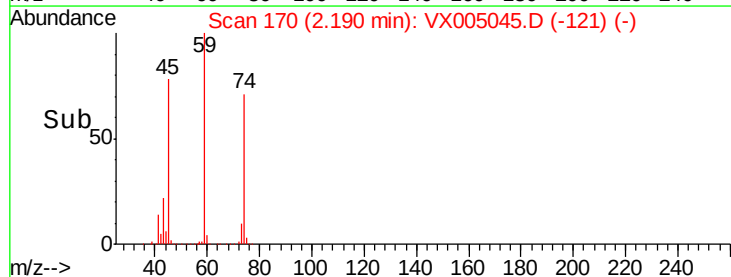
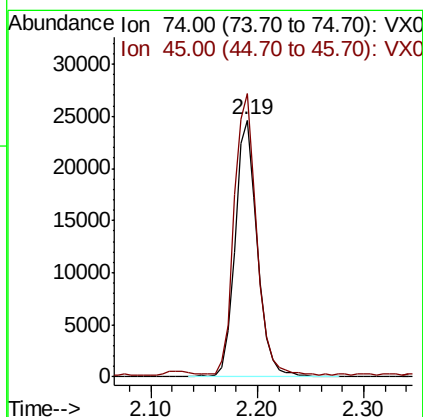
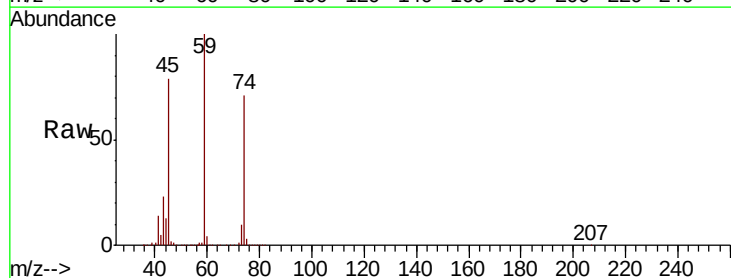
Tot Ion:101 Resp: 85878
Ion Ratio Lower Upper
101 100
103 63.6 48.4 72.6

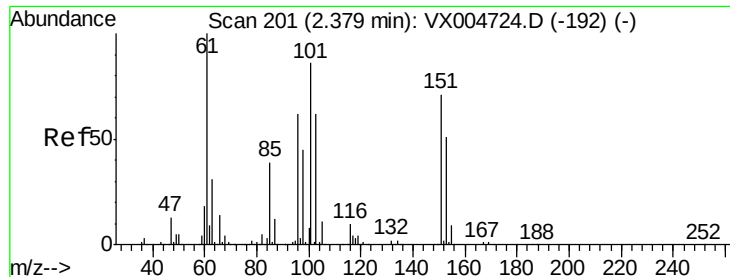


#8

Diethyl Ether
Concen: 20.649 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Tgt Ion: 74 Resp: 35924
Ion Ratio Lower Upper
74 100
45 110.2 52.5 157.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.322 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Instrument :

MSVOA_X

ClientSampleId :

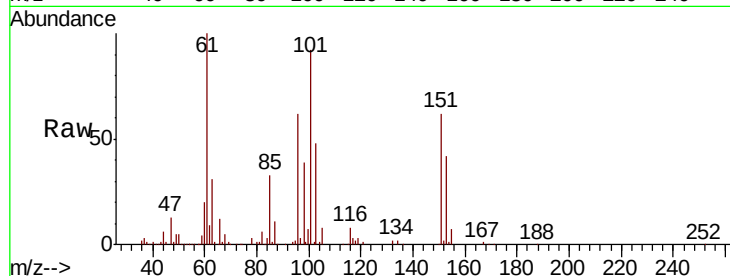
Tot Ion:101 Resp: 50921

Ion Ratio Lower Upper

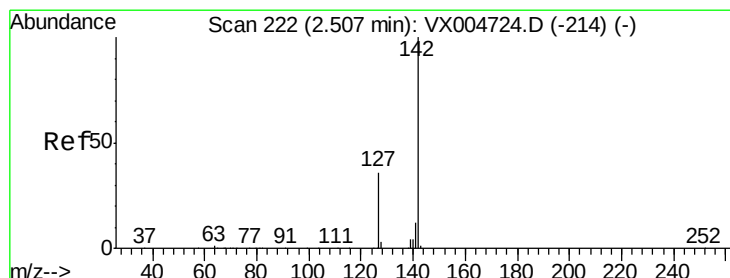
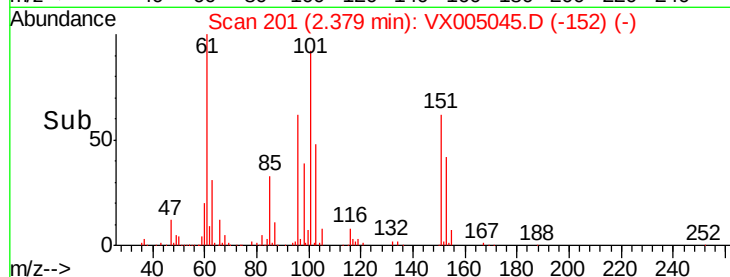
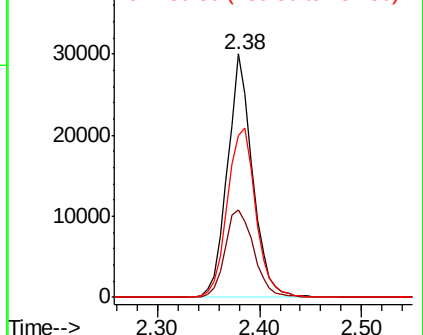
101 100

85 41.2 35.9 53.9

151 79.0 66.6 100.0



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: 14.309 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

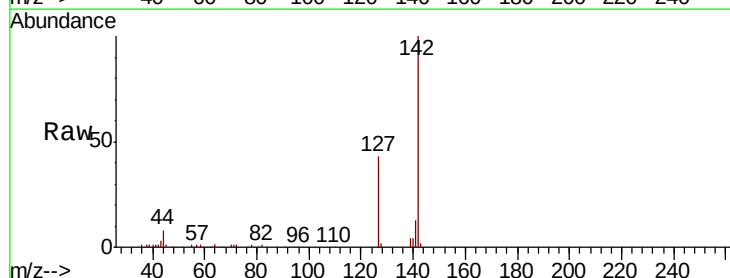
Tgt Ion:142 Resp: 43679

Ion Ratio Lower Upper

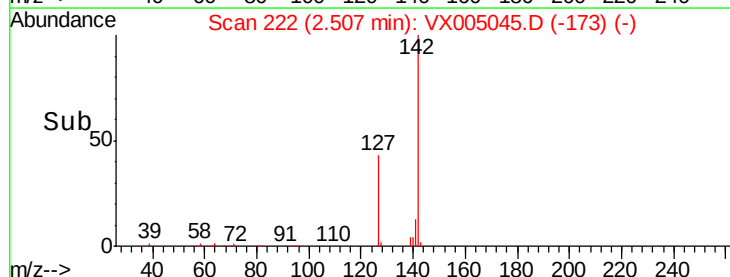
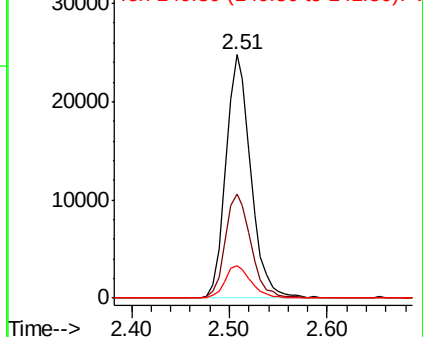
142 100

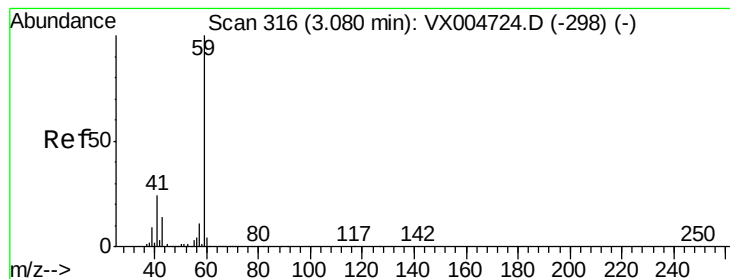
127 44.0 30.1 45.1

141 14.0 10.1 15.1



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



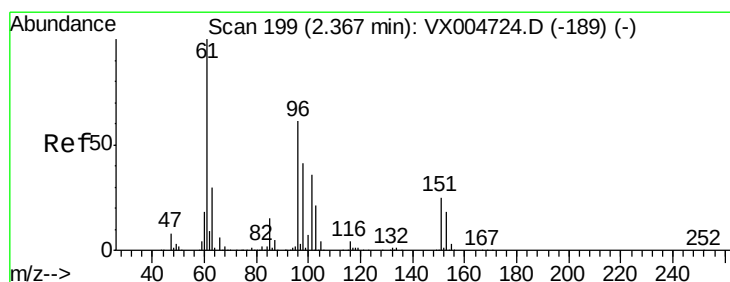
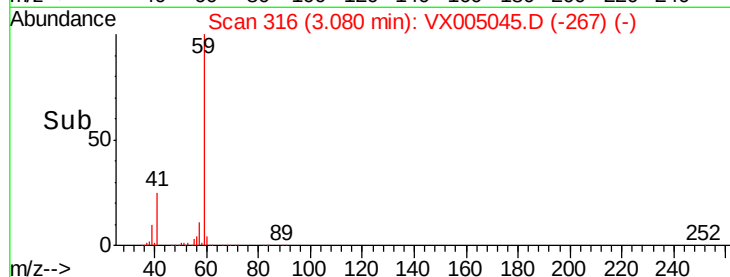
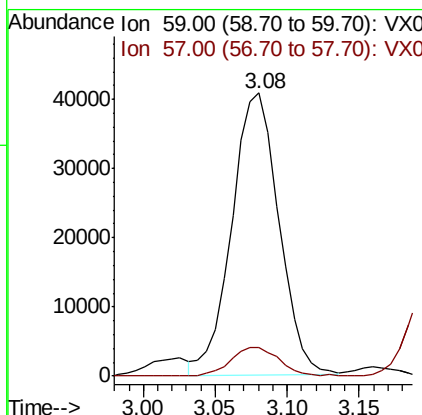
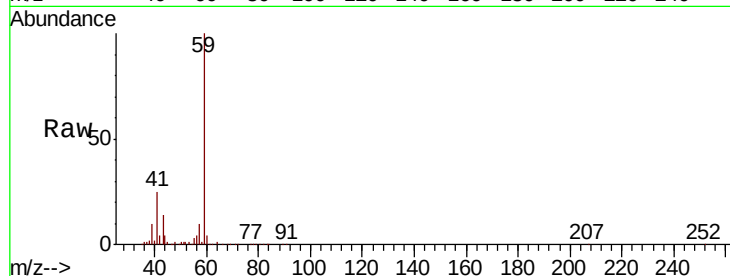


#11

Tert butyl alcohol
 Concen: 111.474 ug/l
 RT: 3.08 min Scan# 316
 Delta R.T. 0.00 min
 Lab File: VX005045.D
 Acq: 05 Oct 2018 04:04

Instrument :
 MSVOA_X
 ClientSampled :

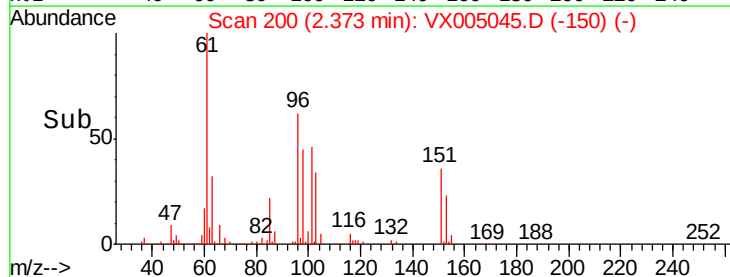
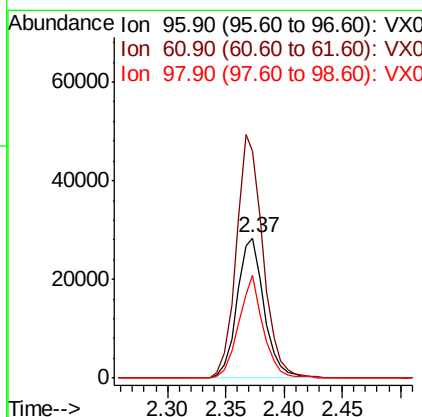
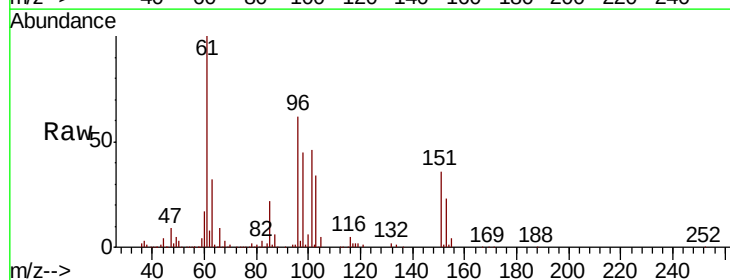
Tot Ion: 59 Resp: 92835
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.6 12.8

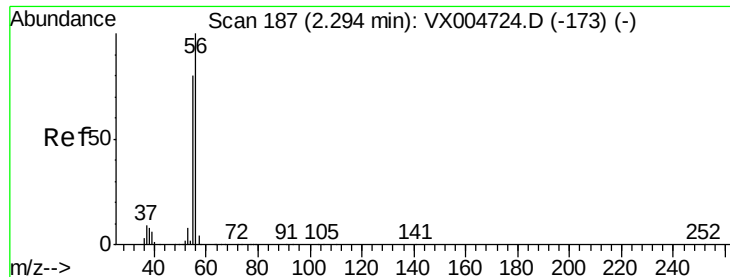


#12

1,1-Dichloroethene
 Concen: 20.495 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.01 min
 Lab File: VX005045.D
 Acq: 05 Oct 2018 04:04

Tgt Ion: 96 Resp: 46302
 Ion Ratio Lower Upper
 96 100
 61 161.8 130.2 195.4
 98 73.7 53.4 80.0





#13

Acrolein

Concen: 28.034 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

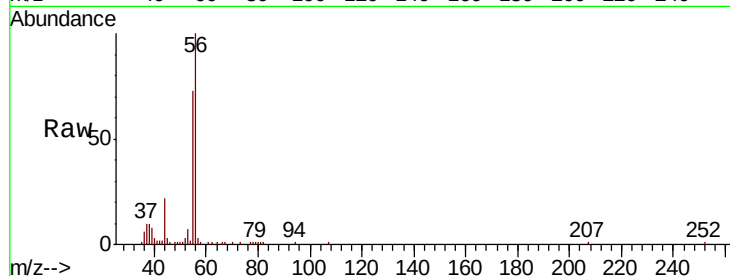
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 16611

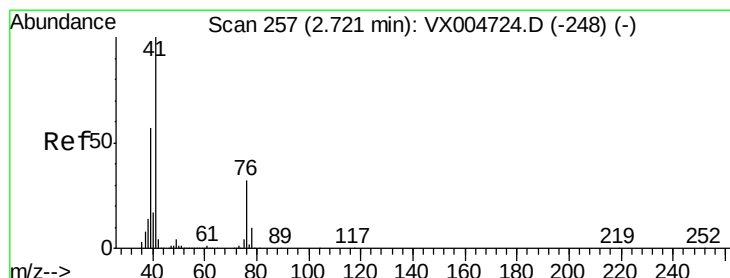
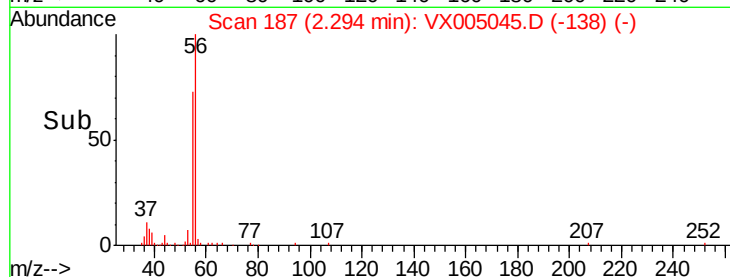
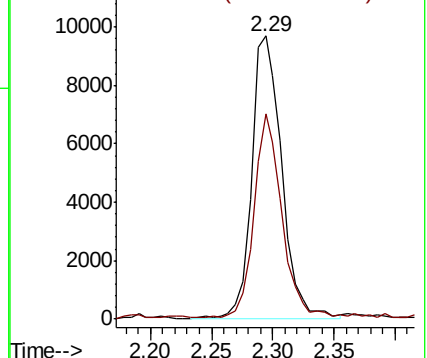
Ion Ratio Lower Upper

56 100

55 66.5 63.4 95.2



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



#14

Allyl chloride

Concen: 21.040 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

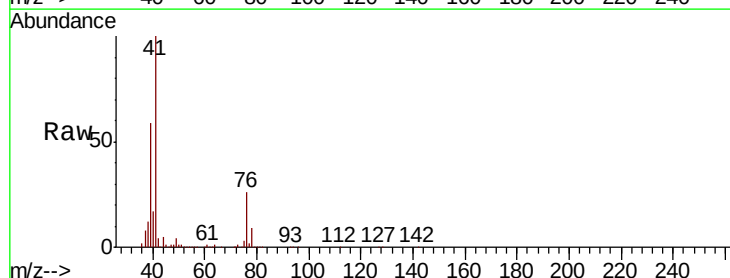
Tgt Ion: 41 Resp: 103714

Ion Ratio Lower Upper

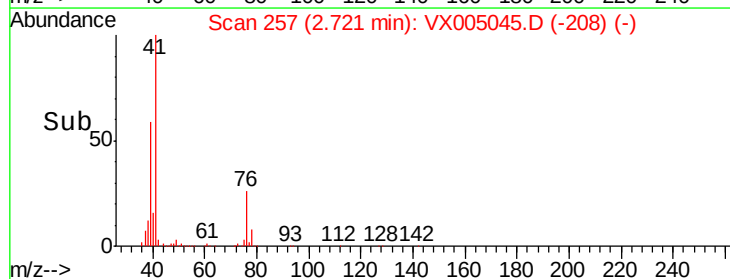
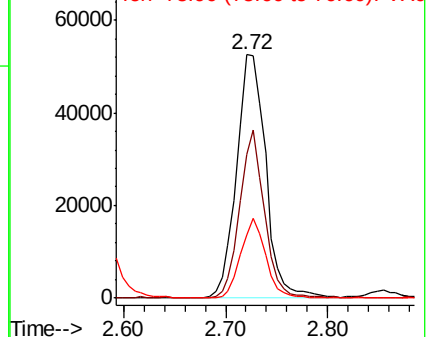
41 100

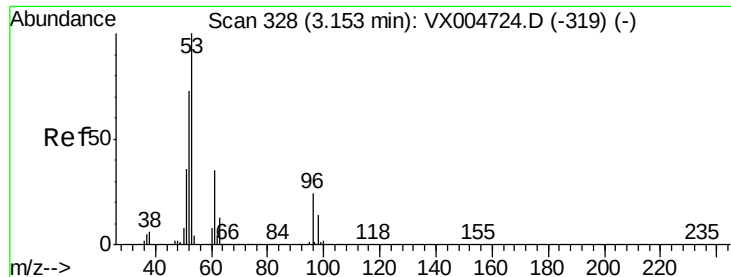
39 58.0 44.1 66.1

76 28.2 25.0 37.4



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





#15

Acrylonitrile

Concen: 113.877 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

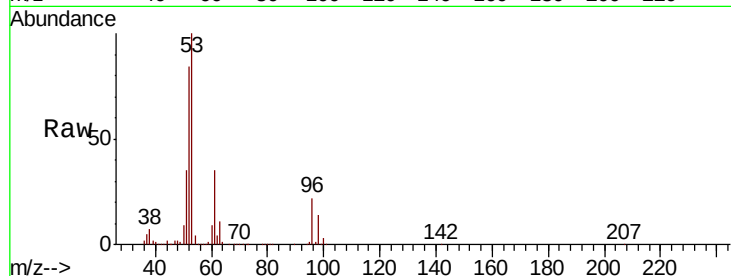
Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 53 Resp: 208771

Ion	Ratio	Lower	Upper
53	100		
52	81.2	63.0	94.4
51	34.6	28.6	42.8

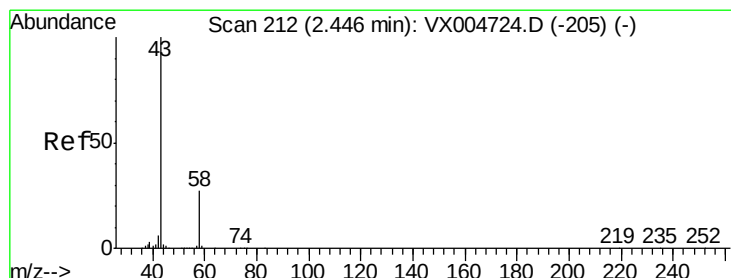
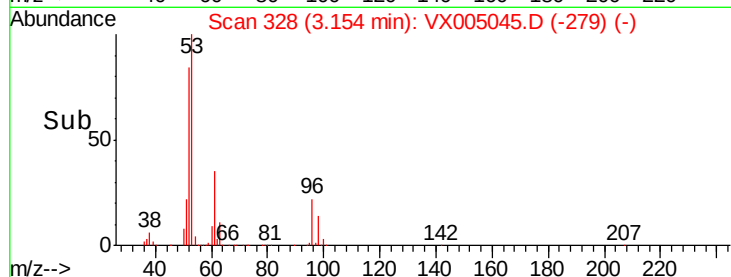
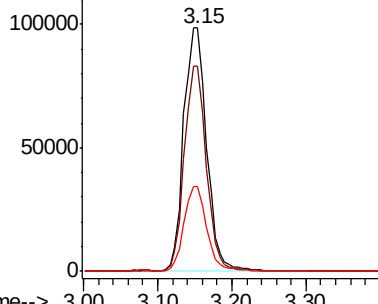


Abundance

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: 105.214 ug/l

RT: 2.45 min Scan# 212

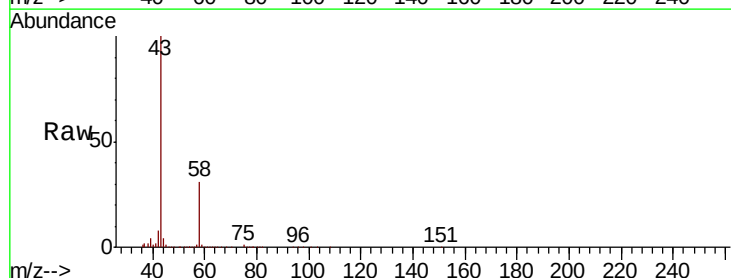
Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Tgt Ion: 43 Resp: 182953

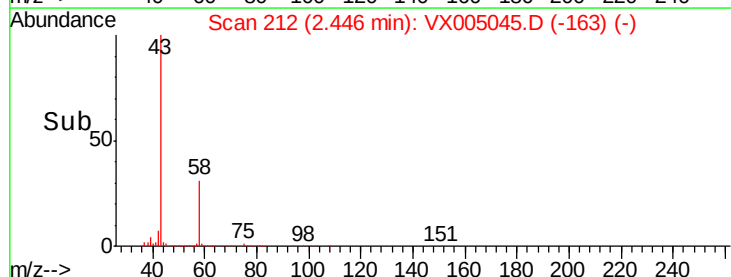
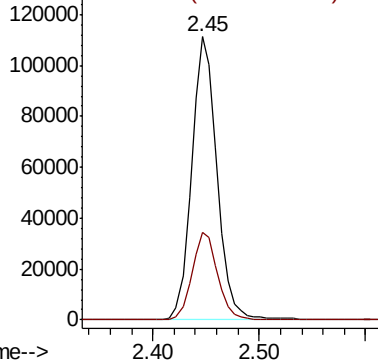
Ion	Ratio	Lower	Upper
43	100		
58	30.9	21.8	32.6

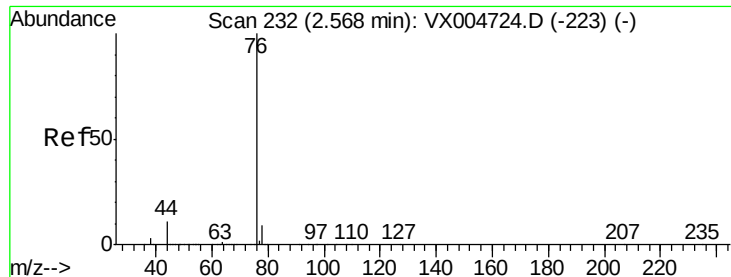


Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 18.311 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Instrument :

MSVOA_X

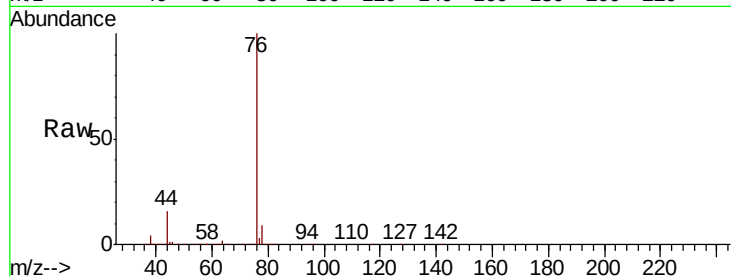
ClientSampled :

Tot Ion: 76 Resp: 124307

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

80000

60000

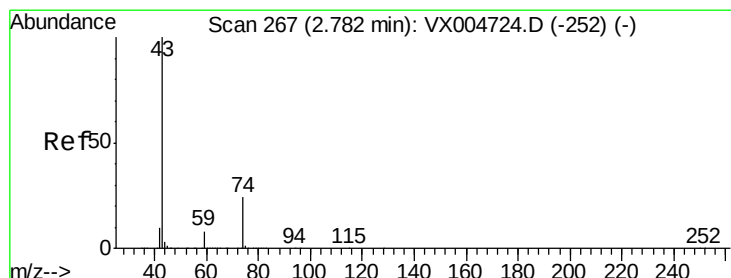
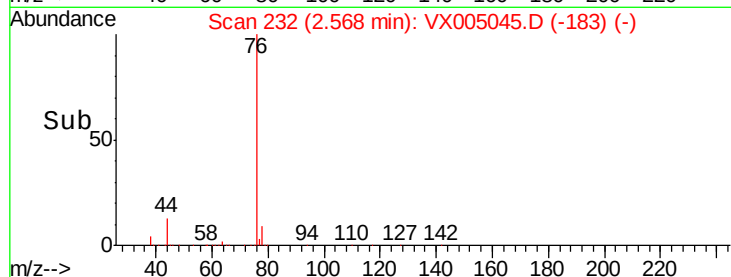
40000

20000

0

Time-->

2.50 2.60 2.70



#18

Methyl Acetate

Concen: 25.768 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX005045.D

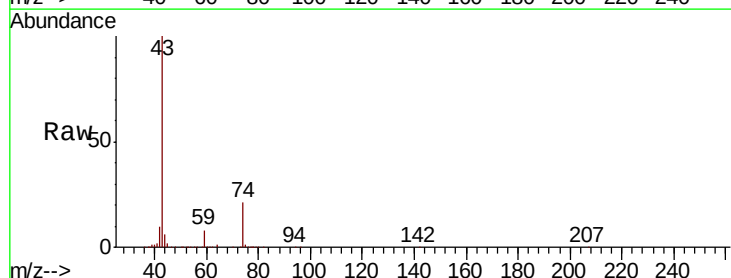
Acq: 05 Oct 2018 04:04

Tgt Ion: 43 Resp: 113525

Ion Ratio Lower Upper

43 100

74 20.8 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

60000

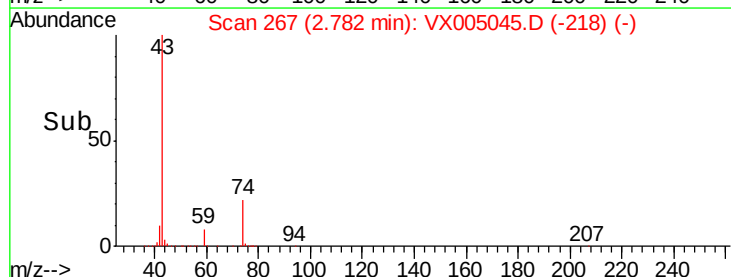
40000

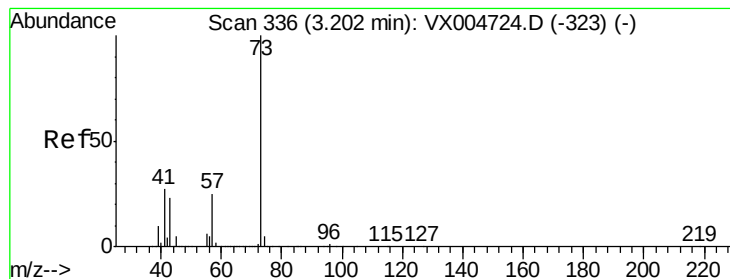
20000

0

Time-->

2.70 2.75 2.80 2.85 2.90





#19

Methyl tert-butyl Ether

Concen: 23.540 ug/l

RT: 3.20 min Scan# 336

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Instrument :

MSVOA_X

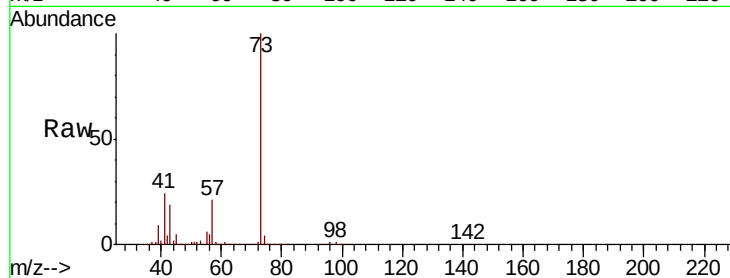
ClientSampleId :

Tot Ion: 73 Resp: 183439

Ion Ratio Lower Upper

73 100

57 20.9 19.9 29.9



Abundance Ion 73.00 (72.70 to 73.70): VX004724.D (-323) (-)

Ion 57.00 (56.70 to 57.70): VX004724.D (-323) (-)

3.20

80000

60000

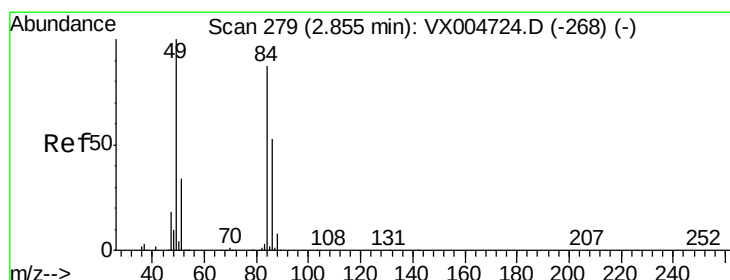
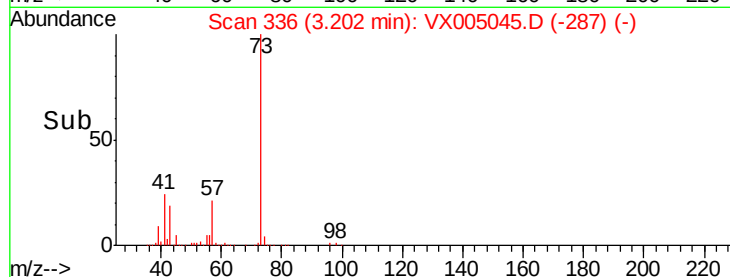
40000

20000

0

3.10 3.20 3.30

Time-->



#20

Methylene Chloride

Concen: 21.654 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Tgt Ion: 84 Resp: 55949

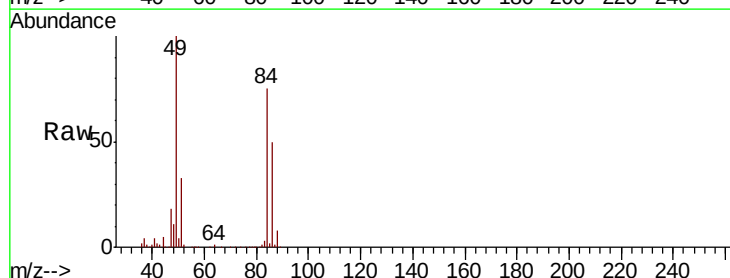
Ion Ratio Lower Upper

84 100

49 132.6 92.3 138.5

51 42.8 31.8 47.6

86 65.8 48.5 72.7



Abundance Ion 83.90 (83.60 to 84.60): VX004724.D (-268) (-)

Ion 48.90 (48.60 to 49.60): VX004724.D (-268) (-)

Ion 50.90 (50.60 to 51.60): VX004724.D (-268) (-)

Ion 85.90 (85.60 to 86.60): VX004724.D (-268) (-)

60000

50000

40000

30000

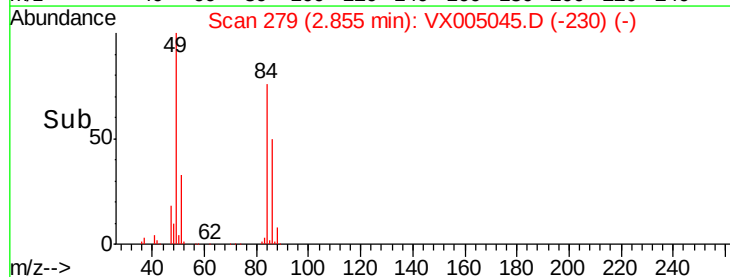
20000

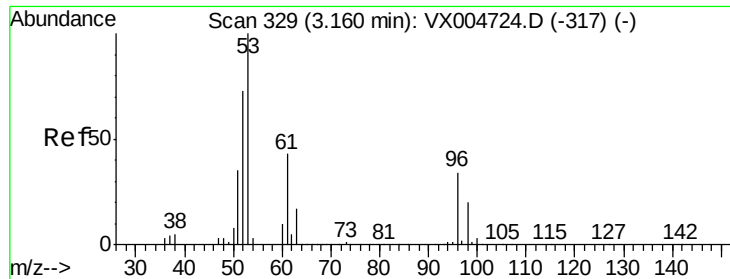
10000

0

2.80 2.85 2.90

Time-->





#21

trans-1,2-Dichloroethene

Concen: 20.572 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Instrument :
MSVOA_X
ClientSampleId :

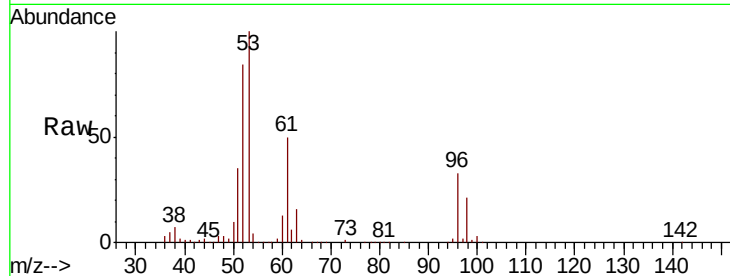
Tot Ion: 96 Resp: 50877

Ion Ratio Lower Upper

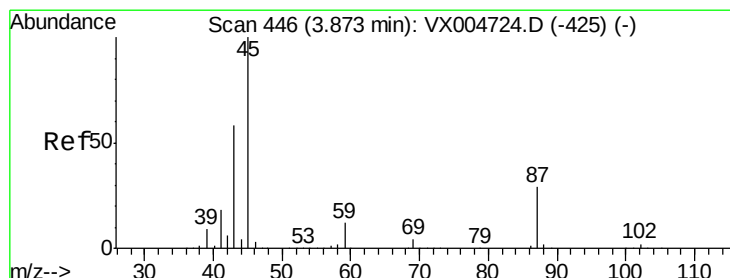
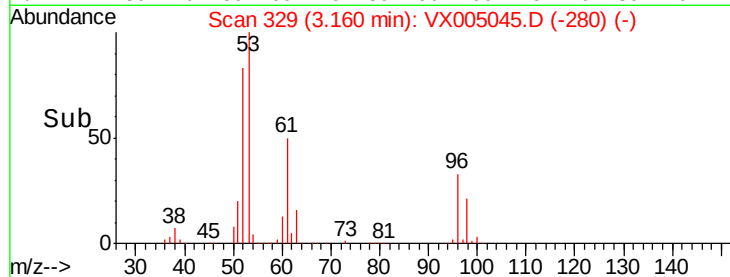
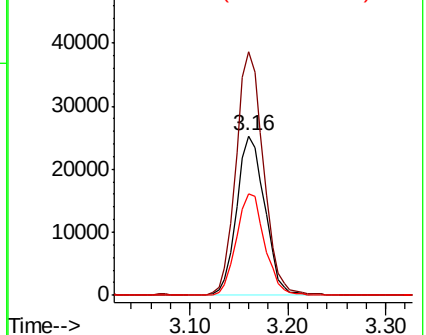
96 100

61 152.3 101.0 151.6#

98 63.4 47.2 70.8



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



#22

Diisopropyl ether

Concen: 23.463 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Tgt Ion: 45 Resp: 194755

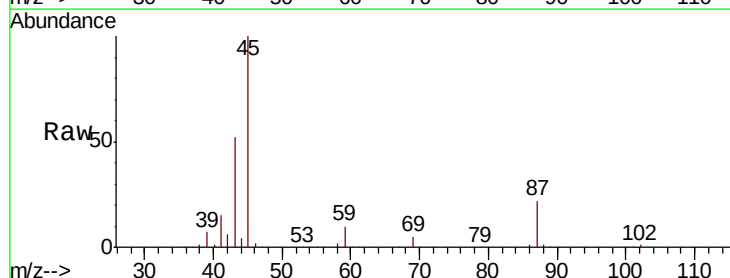
Ion Ratio Lower Upper

45 100

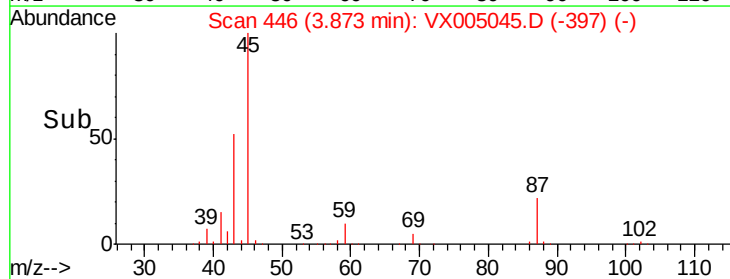
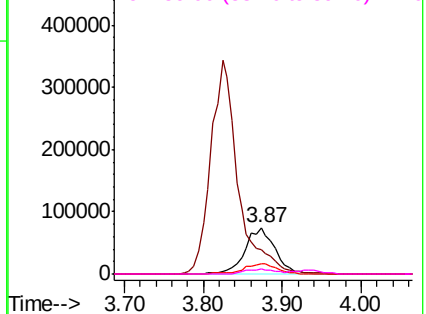
43 51.8 46.7 70.1

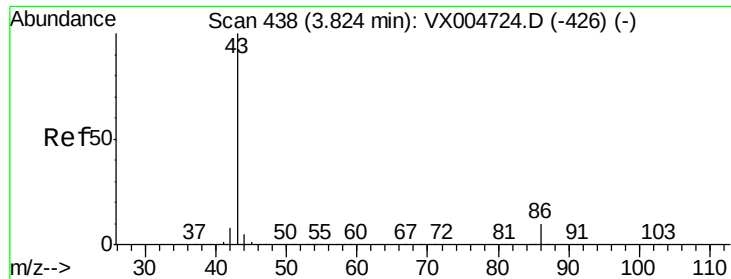
87 22.2 22.9 34.3#

59 9.8 9.3 13.9



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: 109.431 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Instrument :

MSVOA_X

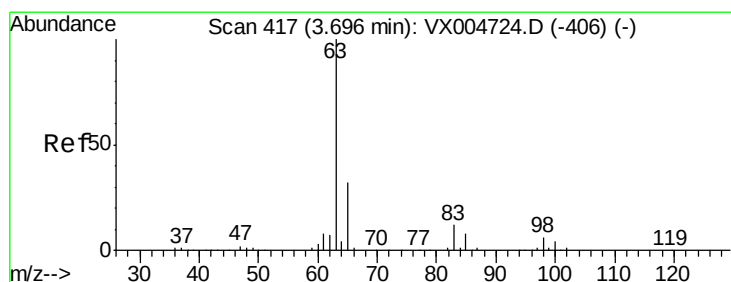
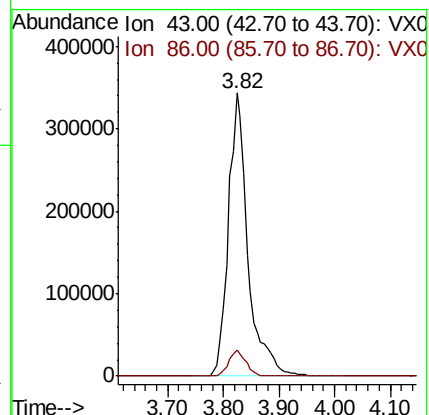
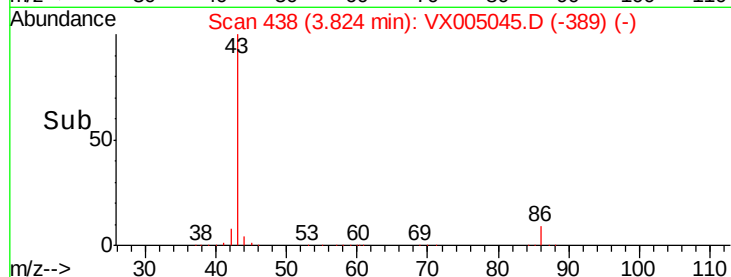
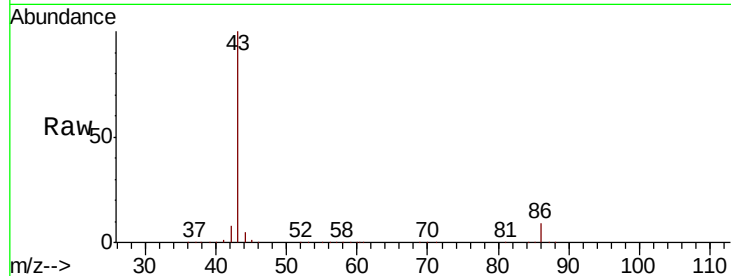
ClientSampleId :

Tot Ion: 43 Resp: 831456

Ion Ratio Lower Upper

43 100

86 9.0 8.1 12.1



#24

1,1-Dichloroethane

Concen: 21.237 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

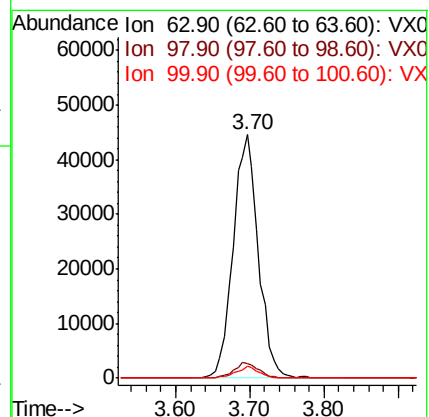
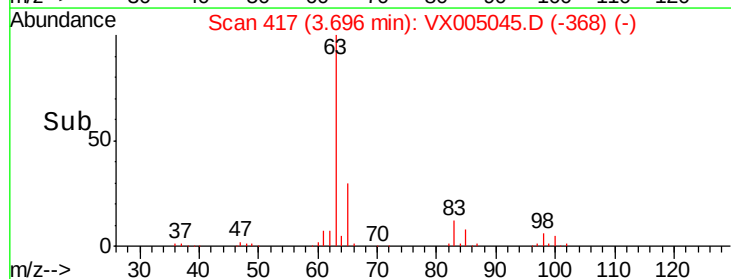
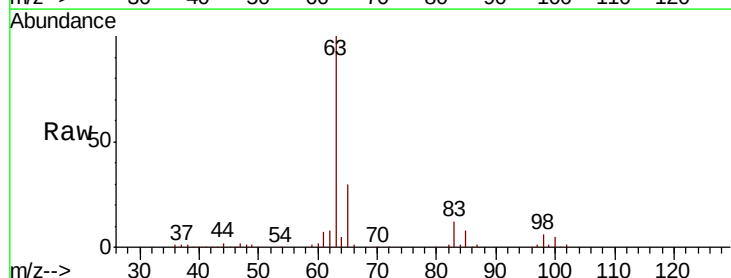
Tgt Ion: 63 Resp: 105152

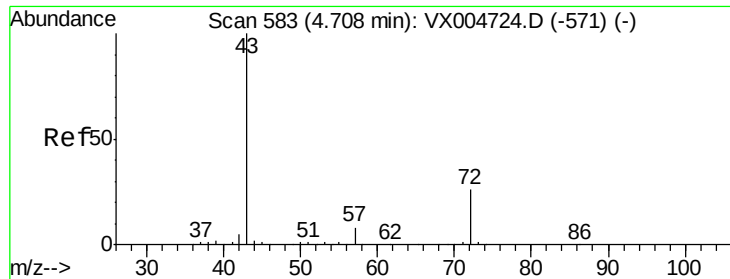
Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

100 4.7 2.0 5.8





#25

2-Butanone

Concen: 105.094 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Instrument :

MSVOA_X

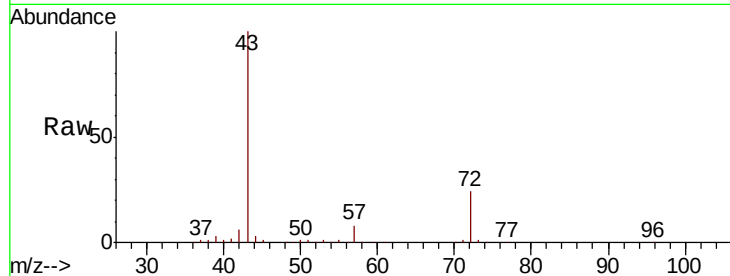
ClientSampled :

Tot Ion: 43 Resp: 269369

Ion Ratio Lower Upper

43 100

72 23.7 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.70

100000

80000

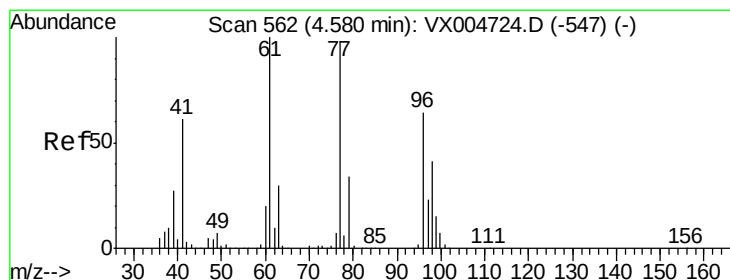
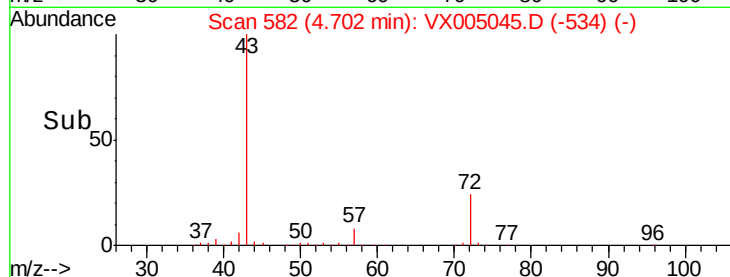
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 13.068 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX005045.D

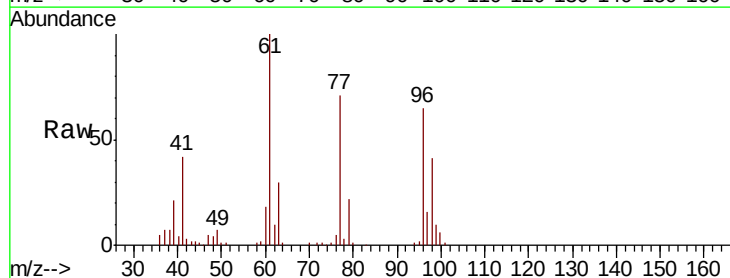
Acq: 05 Oct 2018 04:04

Tgt Ion: 77 Resp: 45056

Ion Ratio Lower Upper

77 100

97 26.3 12.6 37.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.58

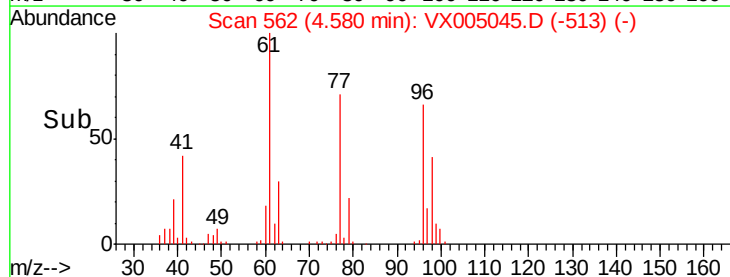
15000

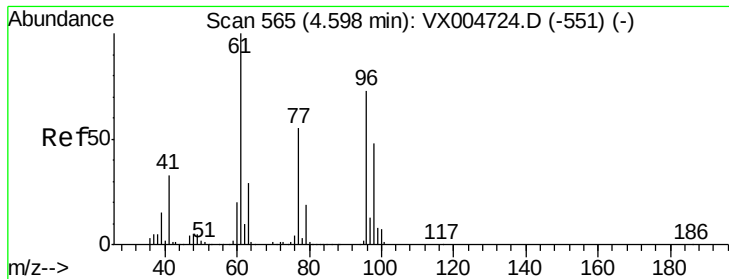
10000

5000

0

Time-->



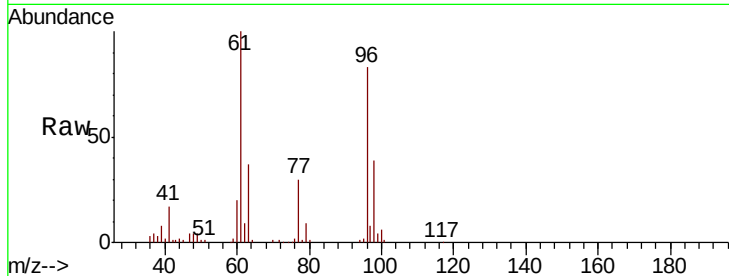


#27

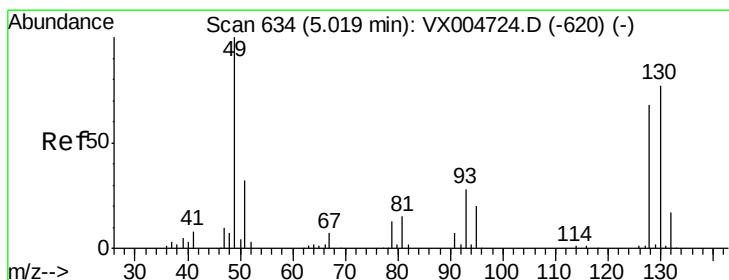
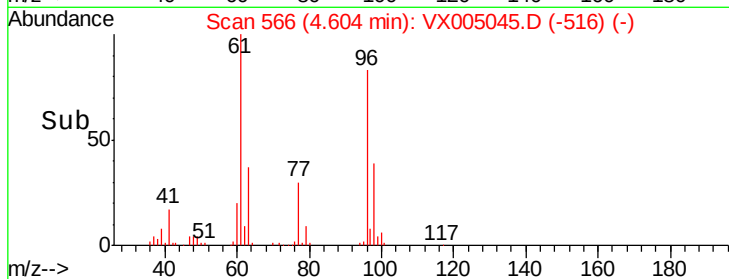
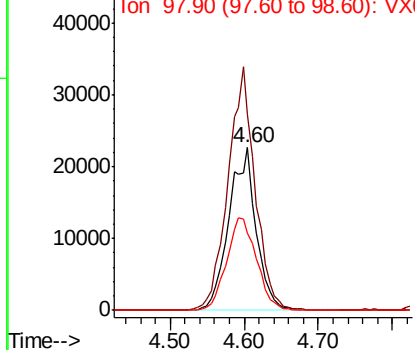
cis-1,2-Dichloroethene
 Concen: 20.938 ug/l
 RT: 4.60 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VX005045.D
 Acq: 05 Oct 2018 04:04

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion	96	Resp	57847
Ion	Ratio	Lower	Upper
96	100		
61	147.3	0.0	285.8
98	62.2	0.0	136.2



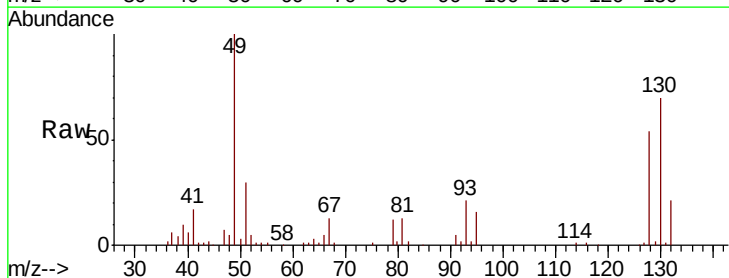
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



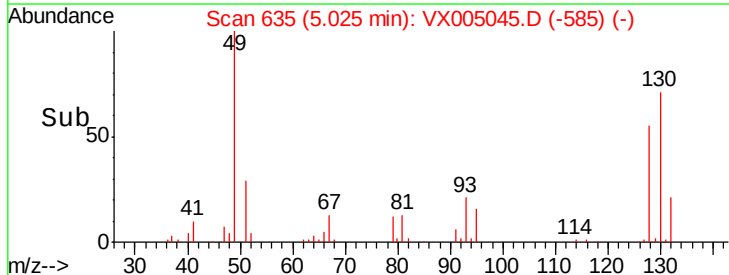
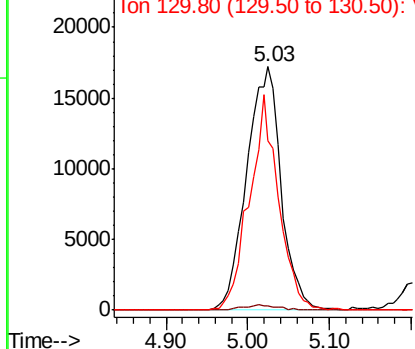
#28

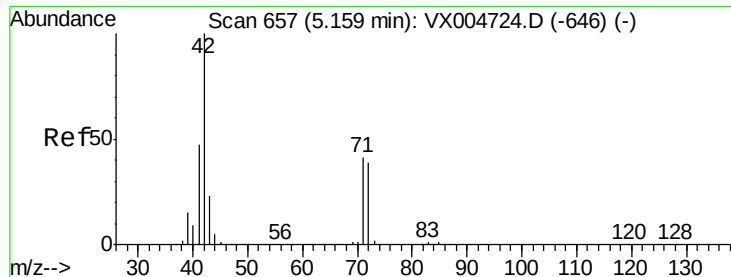
Bromochloromethane
 Concen: 21.727 ug/l
 RT: 5.03 min Scan# 635
 Delta R.T. 0.01 min
 Lab File: VX005045.D
 Acq: 05 Oct 2018 04:04

Tgt Ion	49	Resp	50661
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	74.8	62.0	93.0



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





#29

Tetrahydrofuran

Concen: 111.555 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Instrument :

MSVOA_X

ClientSampleId :

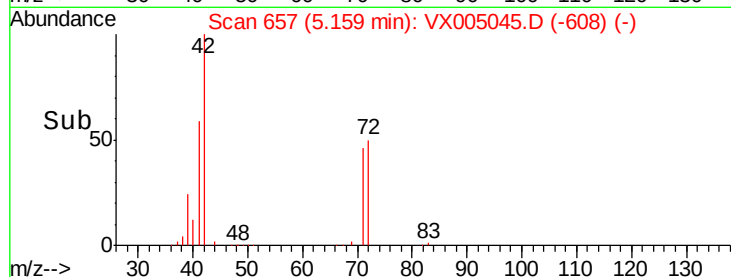
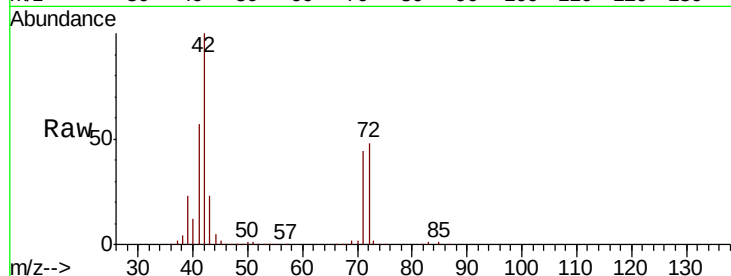
Tot Ion: 42 Resp: 177716

Ion Ratio Lower Upper

42 100

72 42.5 33.7 50.5

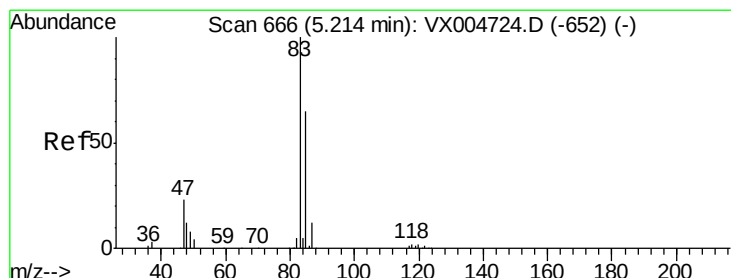
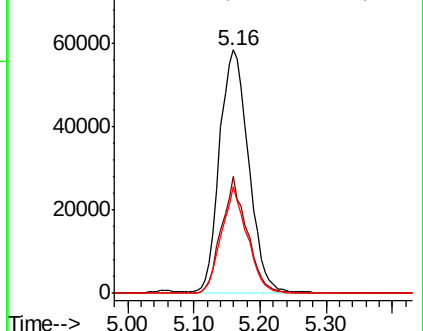
71 39.1 32.2 48.4



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: 20.665 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX005045.D

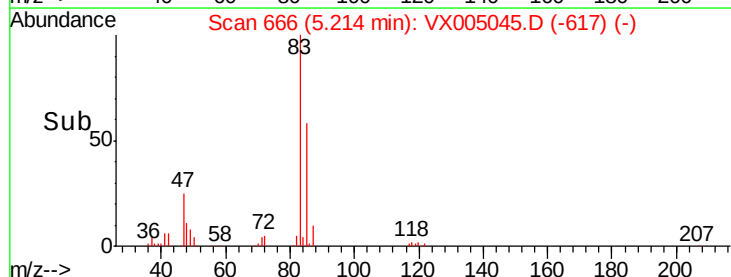
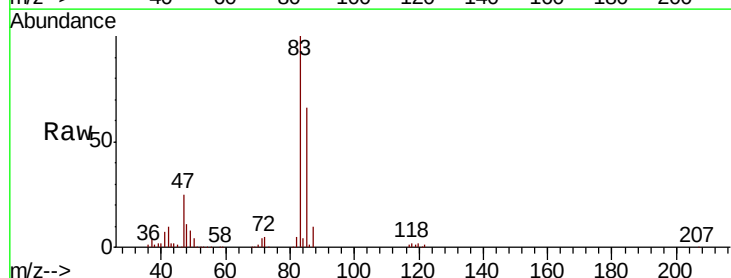
Acq: 05 Oct 2018 04:04

Tgt Ion: 83 Resp: 96704

Ion Ratio Lower Upper

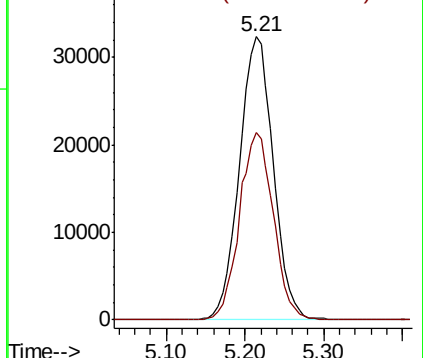
83 100

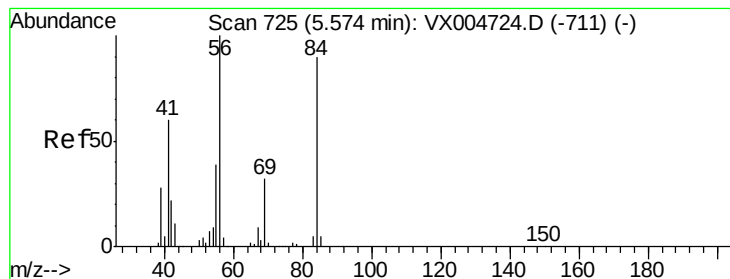
85 66.0 52.4 78.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 21.289 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Instrument :

MSVOA_X

ClientSampleId :

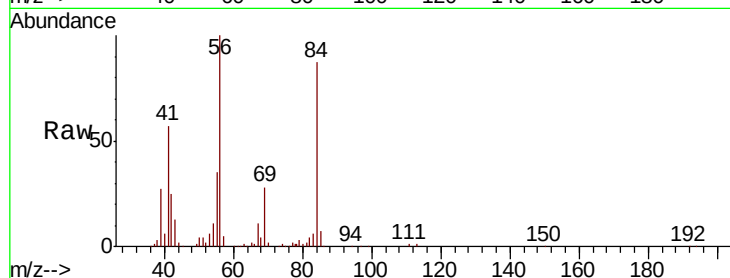
Tot Ion: 56 Resp: 80678

Ion Ratio Lower Upper

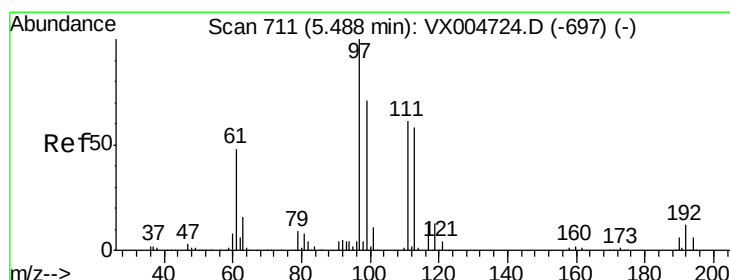
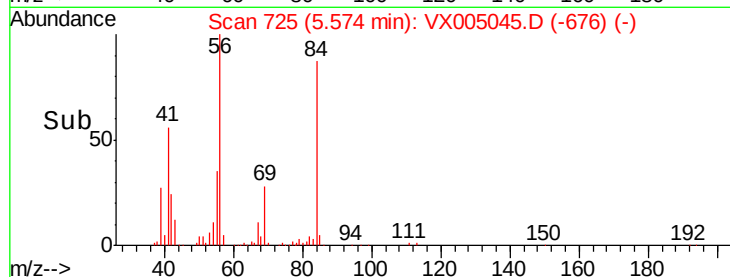
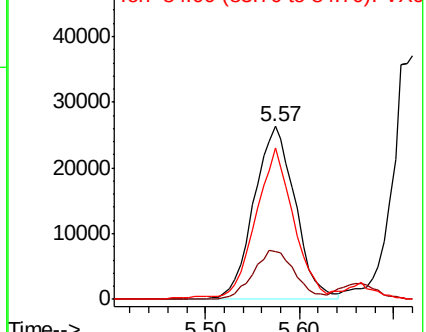
56 100

69 28.0 25.9 38.9

84 86.1 71.9 107.9



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: 21.192 ug/l

RT: 5.49 min Scan# 711

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

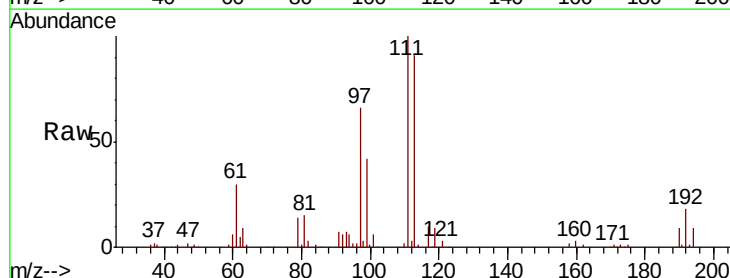
Tgt Ion: 97 Resp: 80988

Ion Ratio Lower Upper

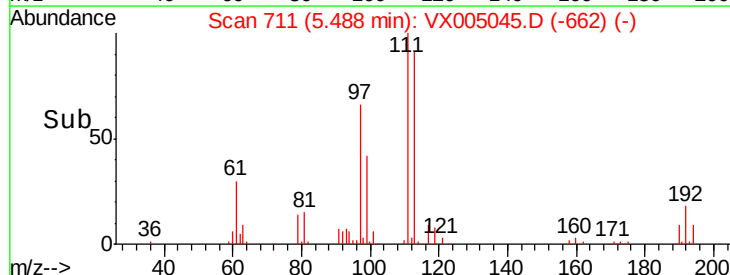
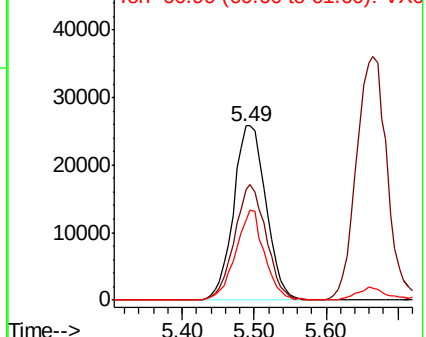
97 100

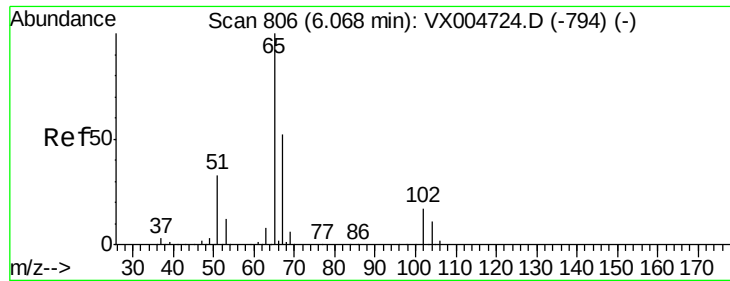
99 64.4 54.6 82.0

61 45.8 37.5 56.3



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

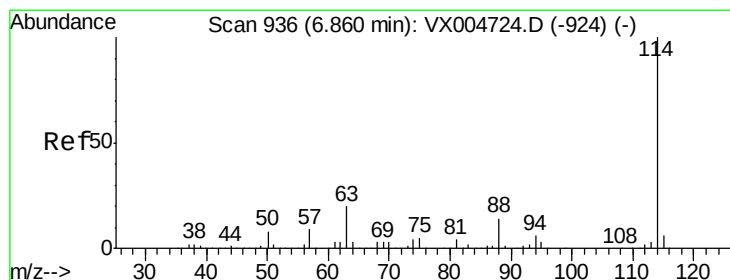
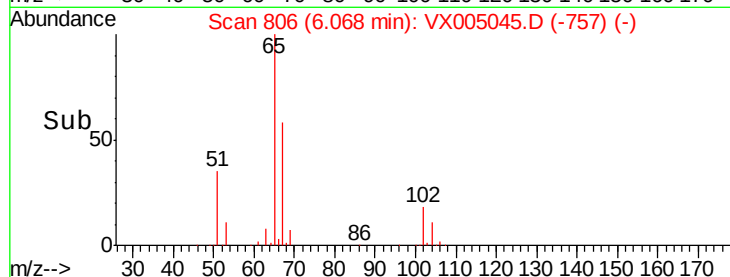
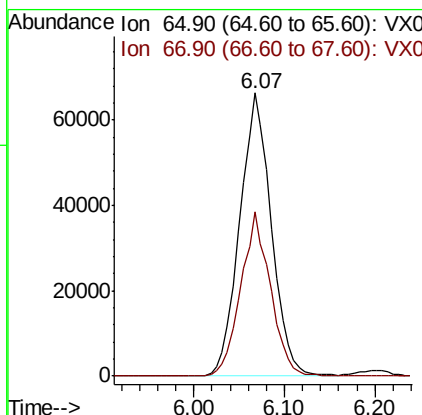
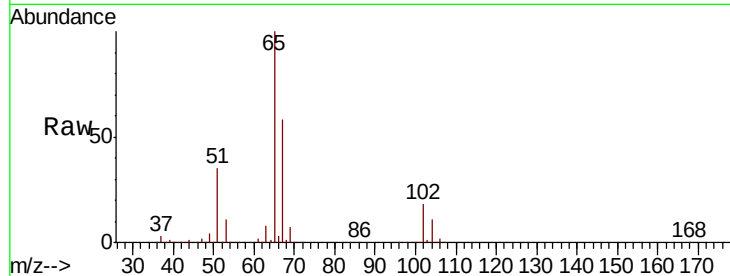




#33
 1,2-Dichloroethane-d4
 Concen: 53.730 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX005045.D
 Acq: 05 Oct 2018 04:04

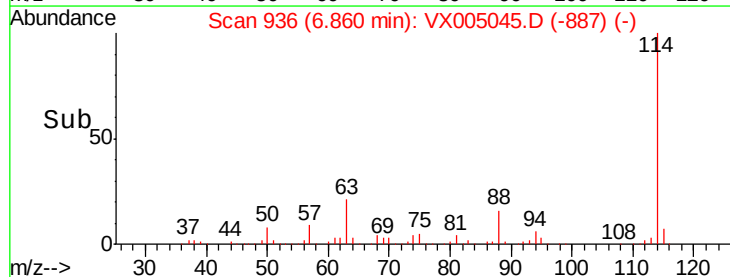
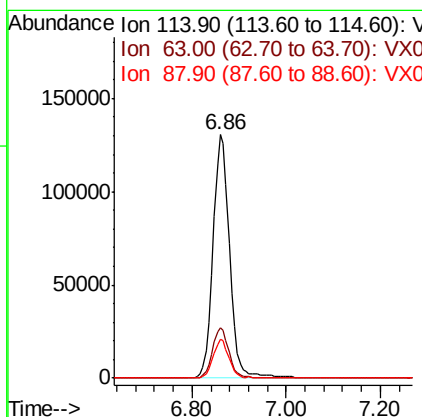
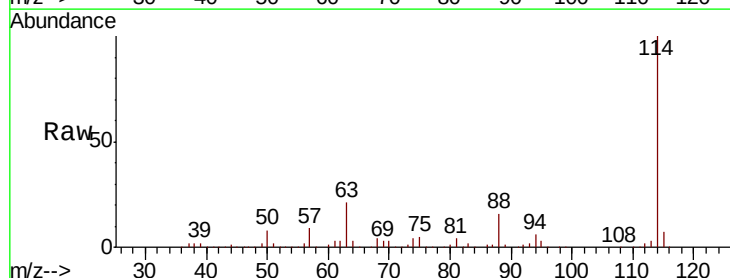
Instrument :
 MSVOA_X
 ClientSampleId :

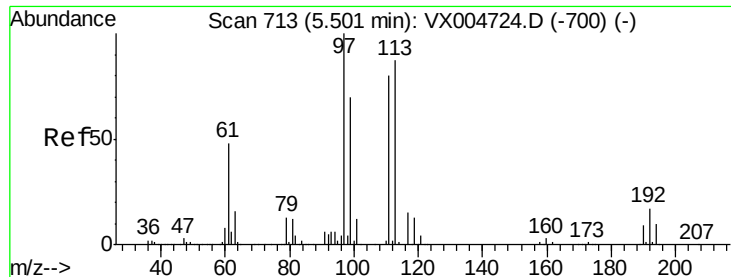
Tot Ion: 65 Resp: 160031
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX005045.D
 Acq: 05 Oct 2018 04:04

Tgt Ion: 114 Resp: 318172
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 39.8
 88 15.7 0.0 27.0

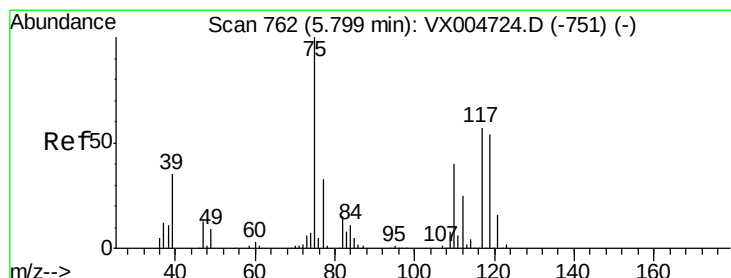
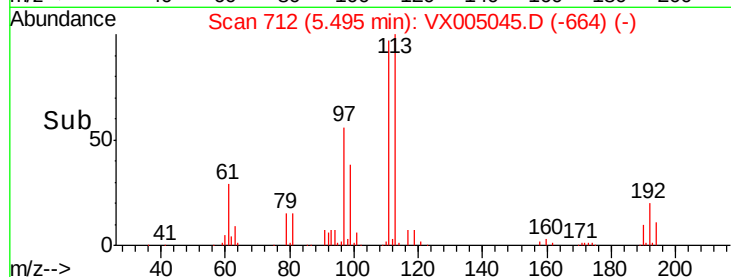
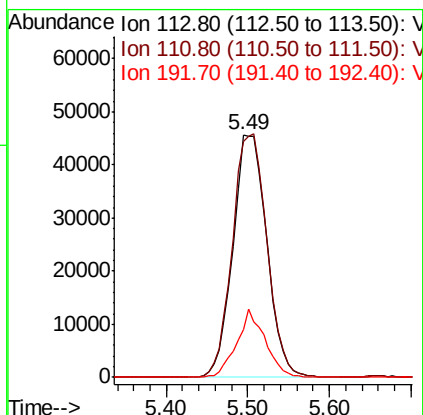
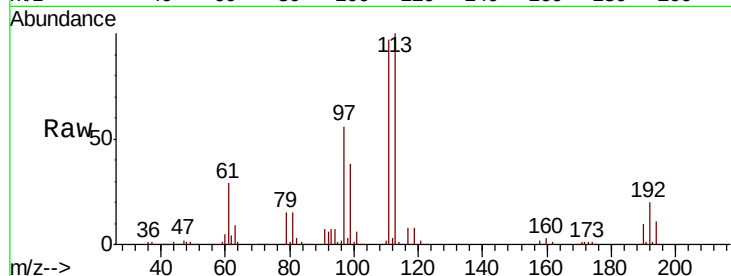




#35
 Dibromofluoromethane
 Concen: 48.819 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX005045.D
 Acq: 05 Oct 2018 04:04

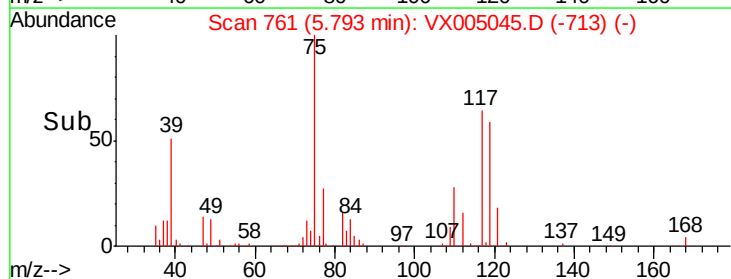
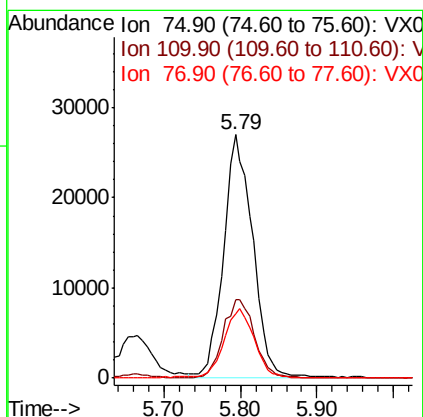
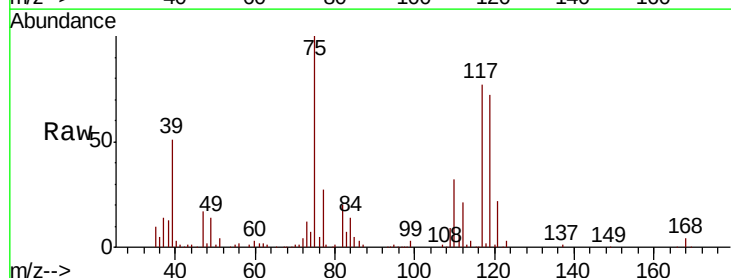
Instrument :
 MSVOA_X
 ClientSampled :

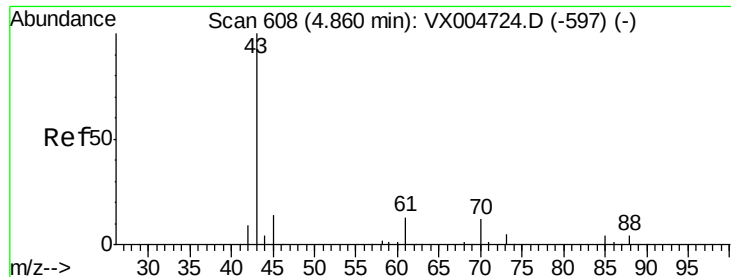
Tot Ion:113 Resp: 131642
 Ion Ratio Lower Upper
 113 100
 111 102.4 77.0 115.4
 192 23.4 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 19.167 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX005045.D
 Acq: 05 Oct 2018 04:04

Tgt Ion: 75 Resp: 70517
 Ion Ratio Lower Upper
 75 100
 110 35.1 20.0 59.9
 77 29.8 27.1 40.7

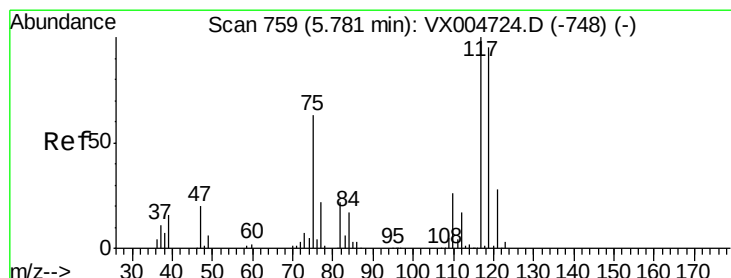
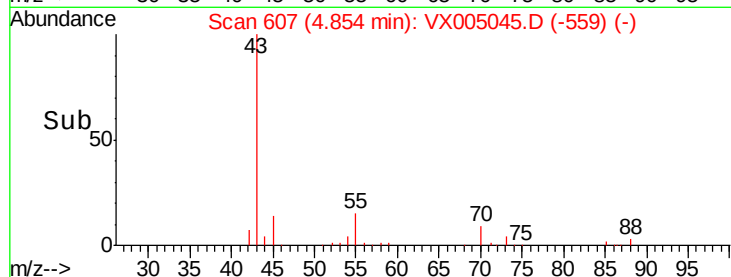
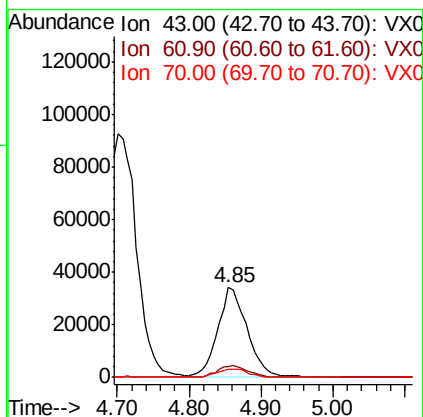
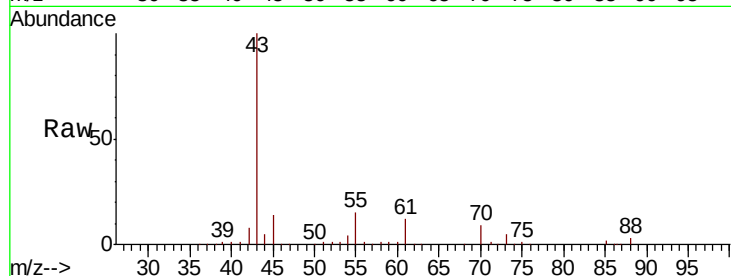




#37
Ethyl Acetate
Concen: 19.816 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

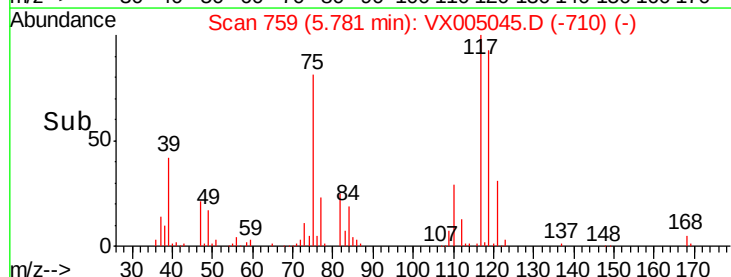
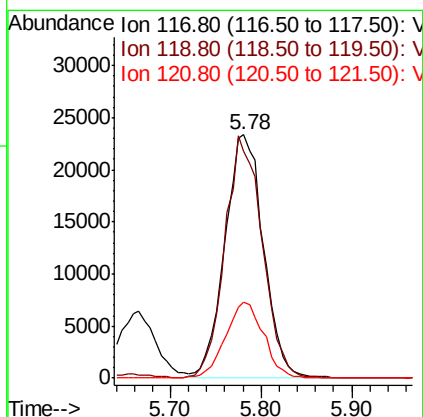
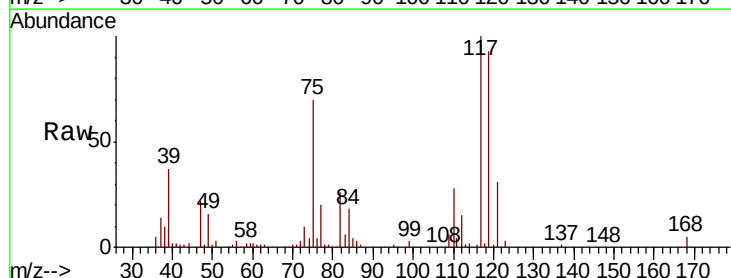
Instrument :
MSVOA_X
ClientSampled :

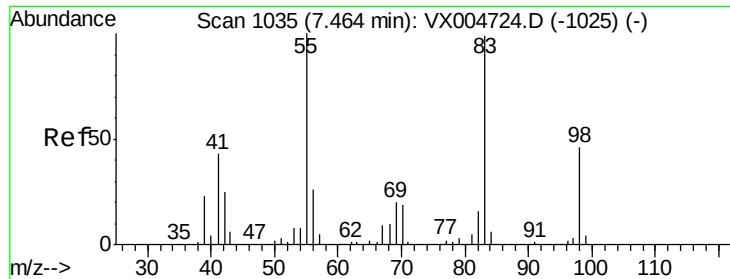
Tot Ion: 43 Resp: 96776
Ion Ratio Lower Upper
43 100
61 14.0 10.4 15.6
70 10.2 8.7 13.1



#38
Carbon Tetrachloride
Concen: 17.818 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Tgt Ion: 117 Resp: 68910
Ion Ratio Lower Upper
117 100
119 93.2 75.2 112.8
121 31.1 22.5 33.7

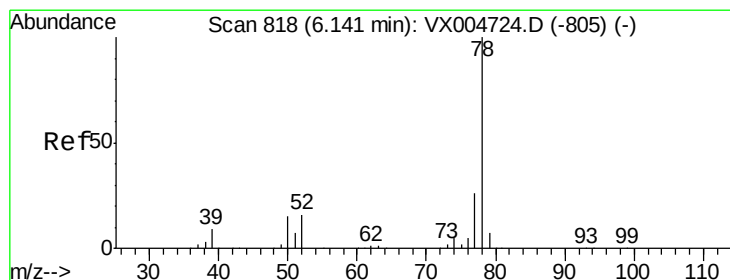
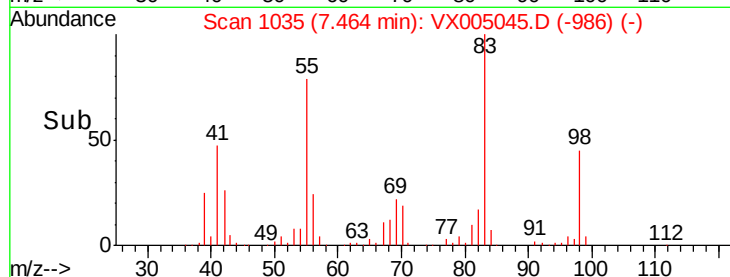
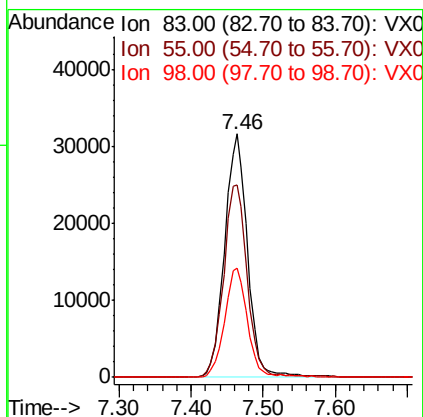
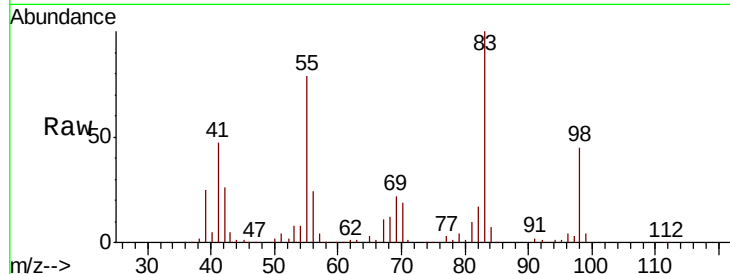




#39
Methylvlcyclohexane
Concen: 18.626 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

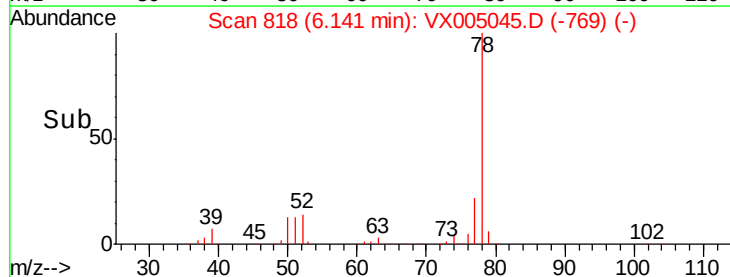
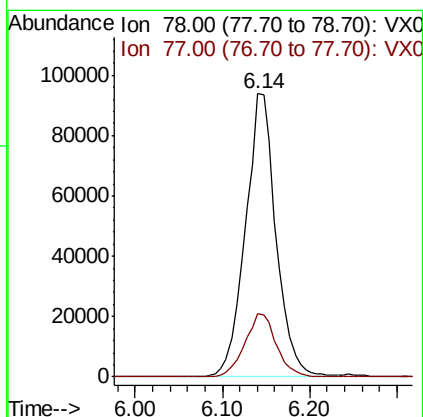
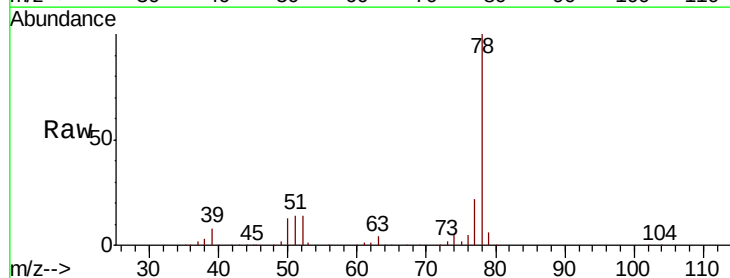
Instrument :
MSVOA_X
ClientSampleId :

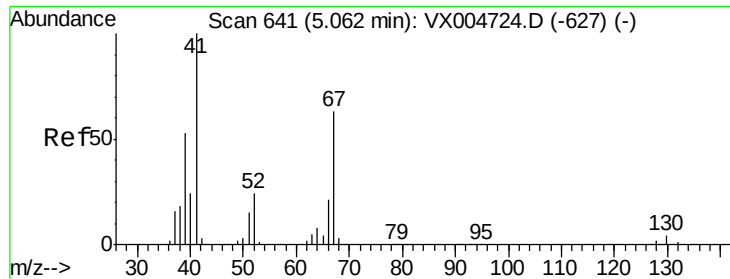
Tot Ion: 83 Resp: 69975
Ion Ratio Lower Upper
83 100
55 79.1 81.1 121.7#
98 44.8 37.3 55.9



#40
Benzene
Concen: 19.750 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Tgt Ion: 78 Resp: 227484
Ion Ratio Lower Upper
78 100
77 22.2 21.0 31.4

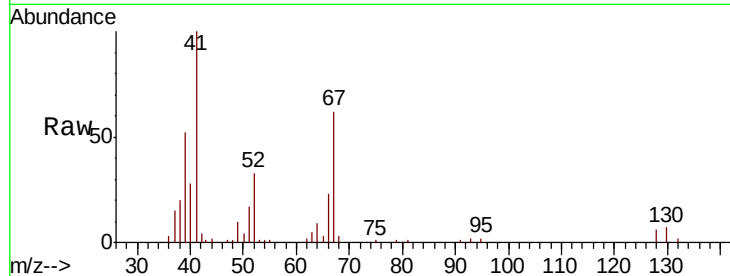




#41
Methacrylonitrile
Concen: 19.768 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	41	Resp:	53539
Ion	Ratio	Lower	Upper
41	100		
39	53.9	42.5	63.7
67	68.2	53.0	79.6
52	28.1	19.8	29.8



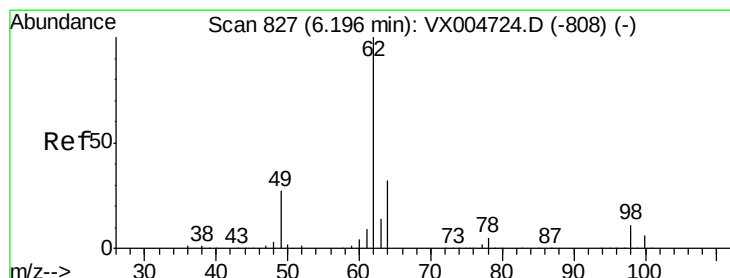
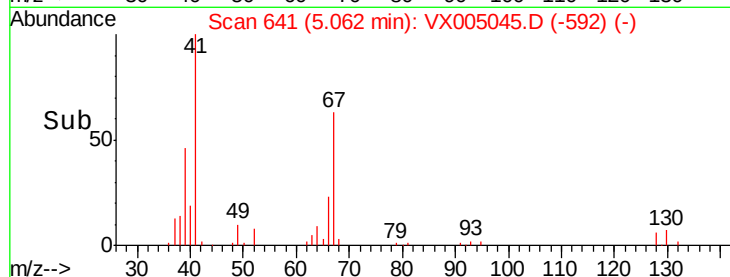
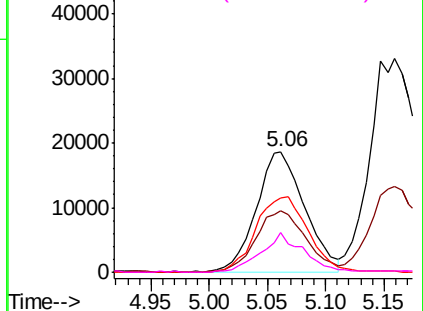
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

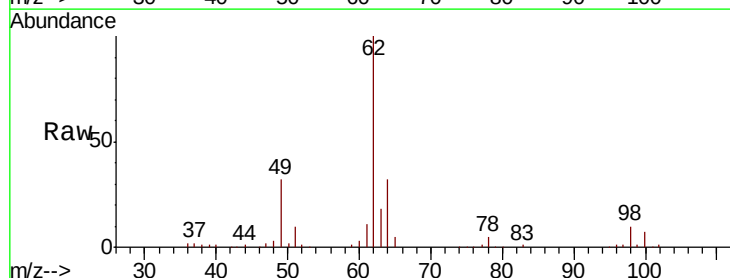
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42
1,2-Dichloroethane
Concen: 19.202 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

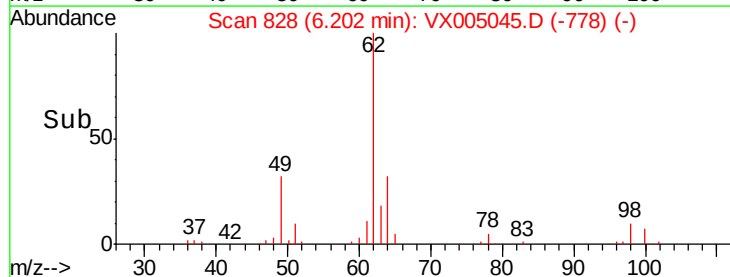
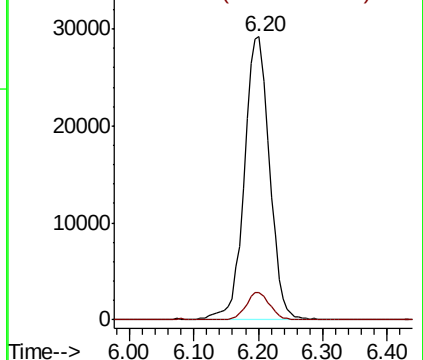
Tgt Ion:	62	Resp:	78187
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	20.2

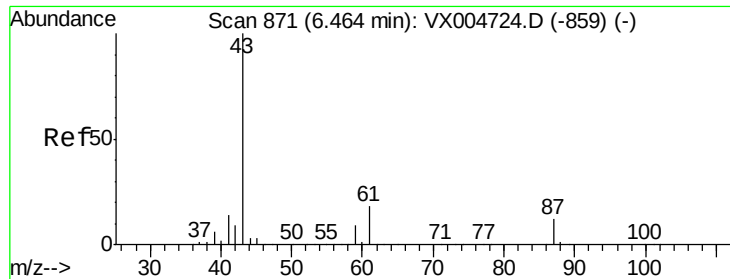


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 19.049 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Instrument :

MSVOA_X

ClientSampleId :

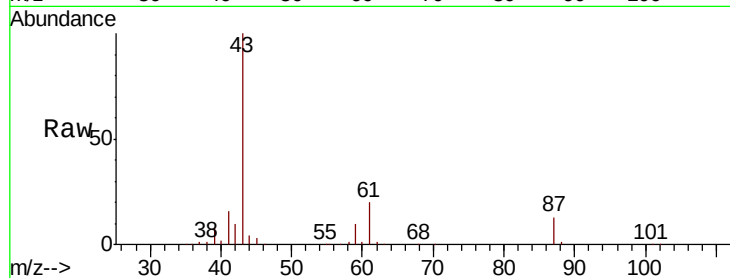
Tot Ion: 43 Resp: 134275

Ion Ratio Lower Upper

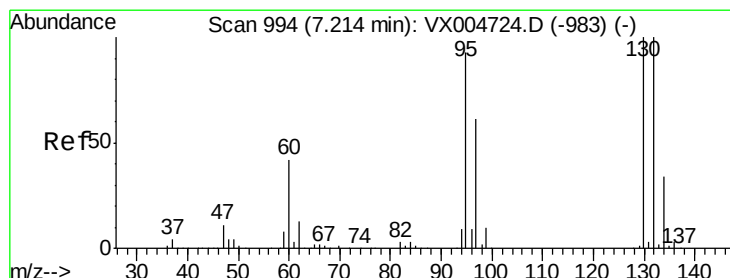
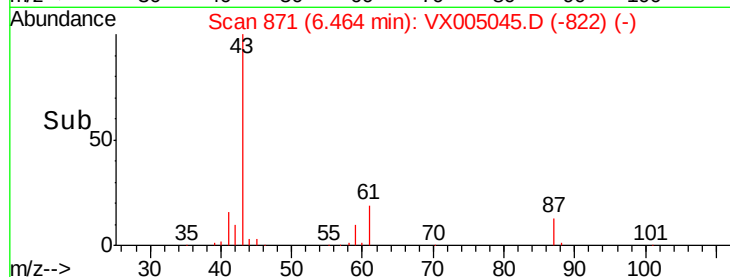
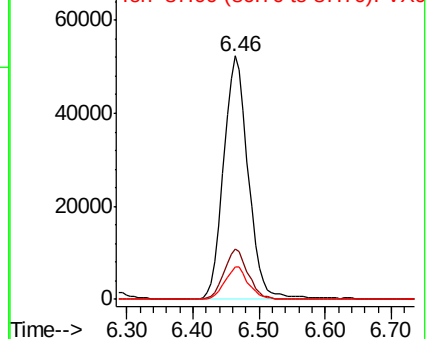
43 100

61 20.1 14.2 21.4

87 12.9 9.3 13.9



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



#44

Trichloroethene

Concen: 19.805 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX005045.D

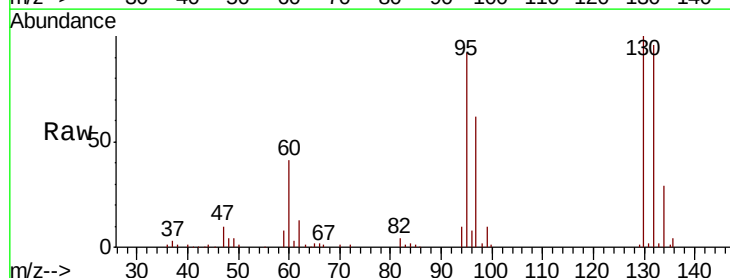
Acq: 05 Oct 2018 04:04

Tgt Ion:130 Resp: 56079

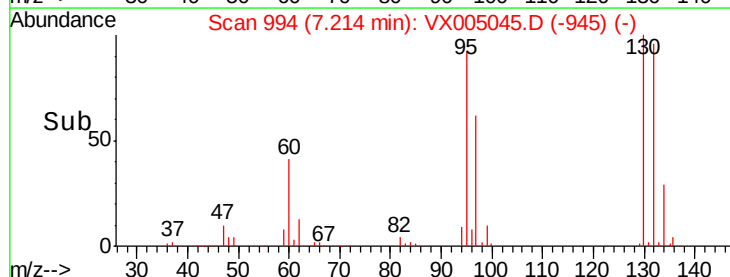
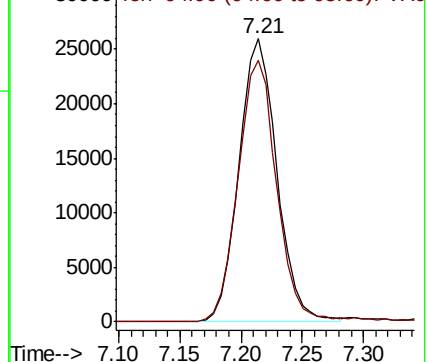
Ion Ratio Lower Upper

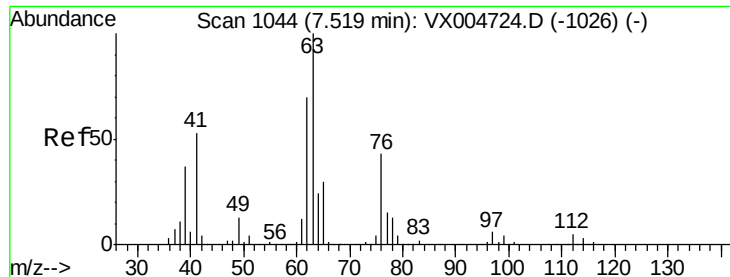
130 100

95 92.3 0.0 186.8



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

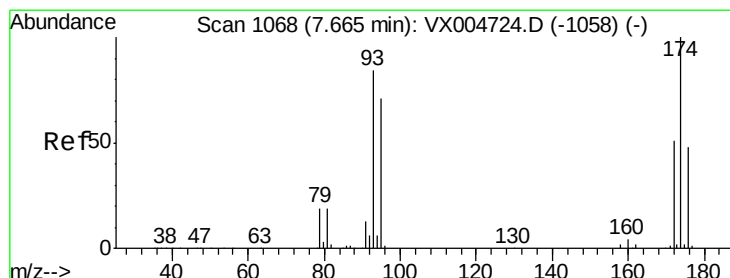
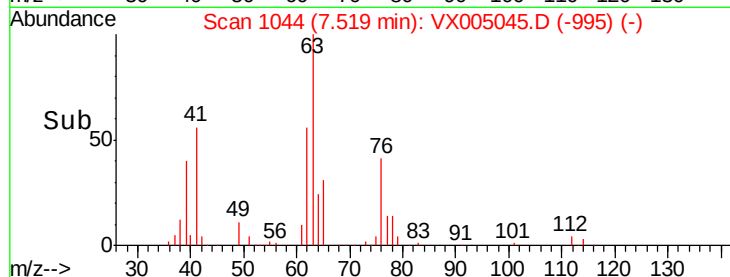
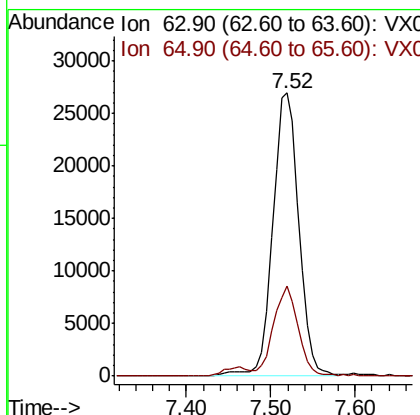
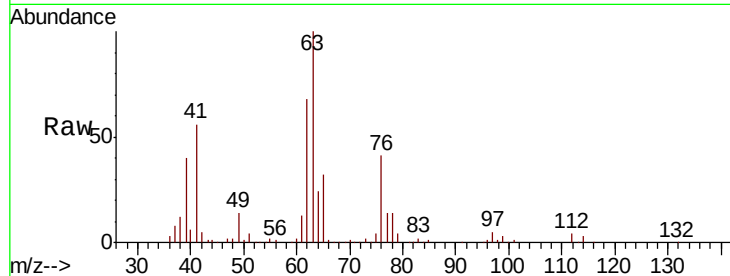




#45
 1,2-Dichloropropane
 Concen: 20.467 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX005045.D
 Acq: 05 Oct 2018 04:04

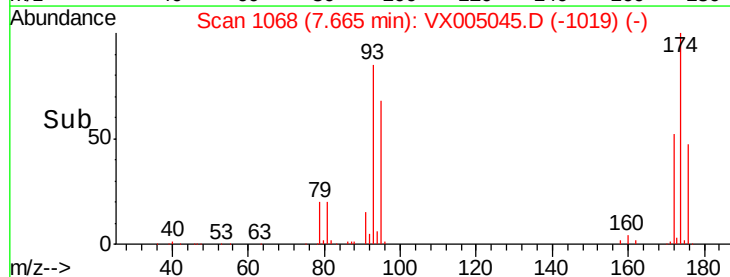
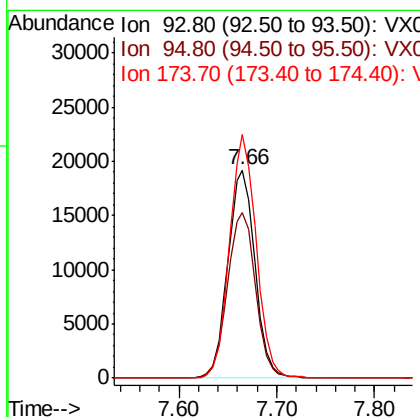
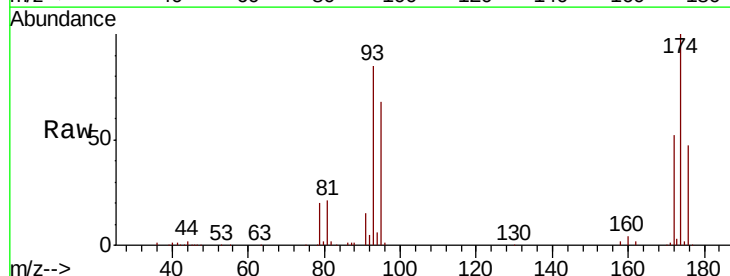
Instrument :
 MSVOA_X
 ClientSampled :

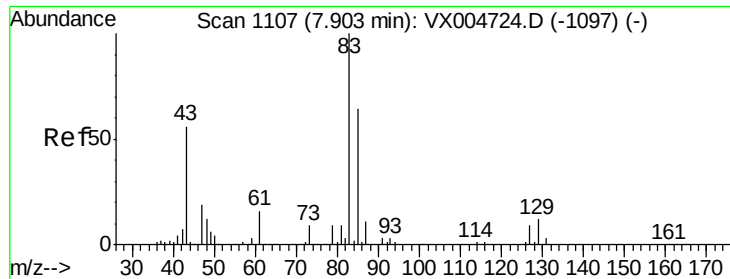
Tot Ion: 63 Resp: 57811
 Ion Ratio Lower Upper
 63 100
 65 31.9 23.9 35.9



#46
 Dibromomethane
 Concen: 20.781 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX005045.D
 Acq: 05 Oct 2018 04:04

Tgt Ion: 93 Resp: 36890
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.7 100.1
 174 114.6 92.7 139.1





#47

Bromodichloromethane

Concen: 20.677 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Instrument :

MSVOA_X

ClientSampled :

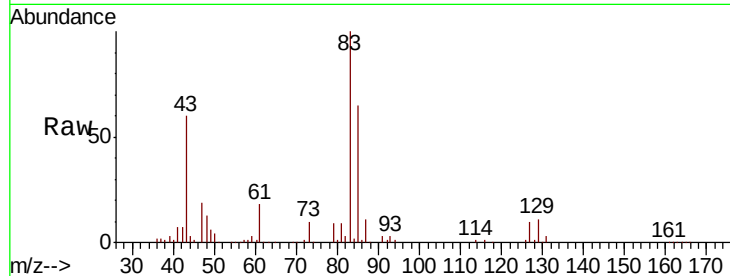
Tot Ion: 83 Resp: 68721

Ion Ratio Lower Upper

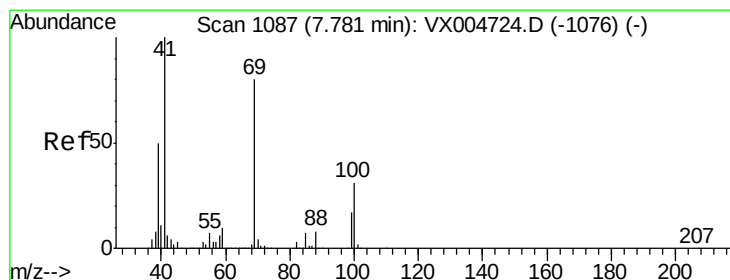
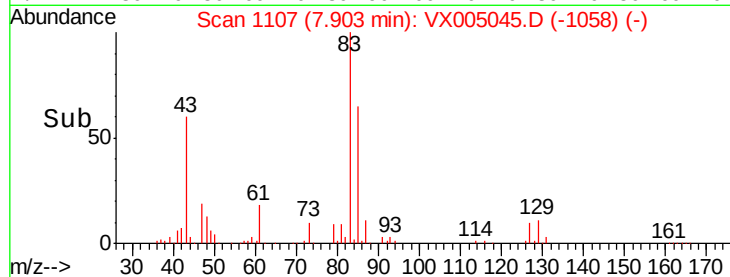
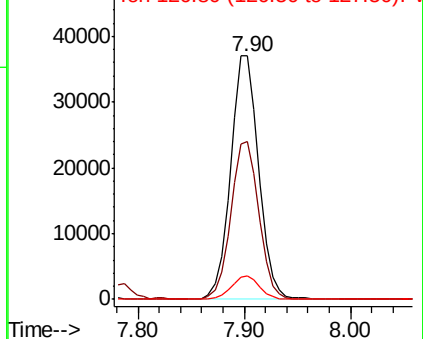
83 100

85 64.8 51.2 76.8

127 9.6 7.0 10.6



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: 22.149 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

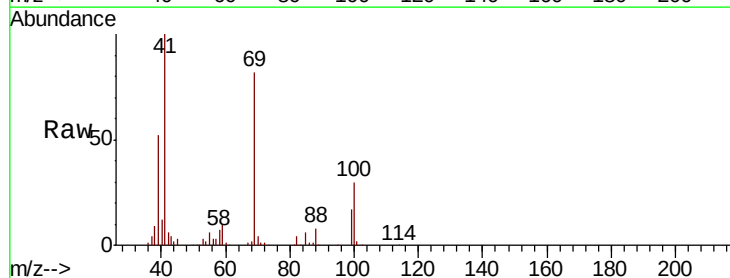
Tgt Ion: 41 Resp: 70861

Ion Ratio Lower Upper

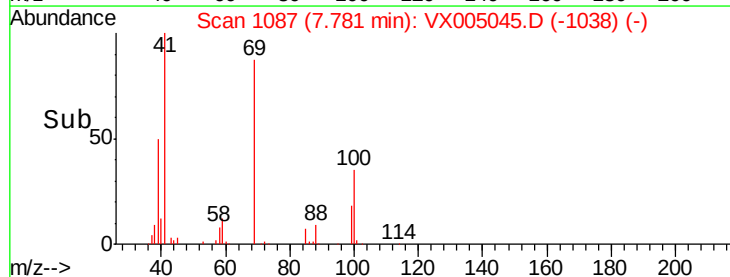
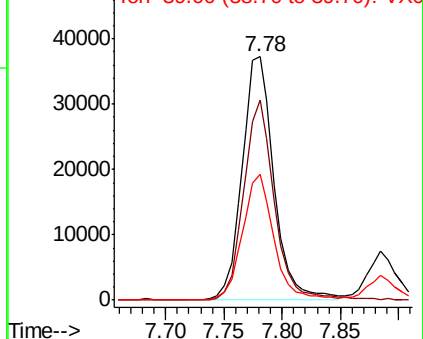
41 100

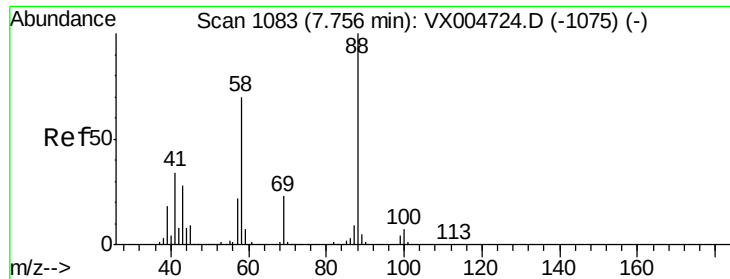
69 80.1 63.8 95.6

39 51.1 40.7 61.1



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

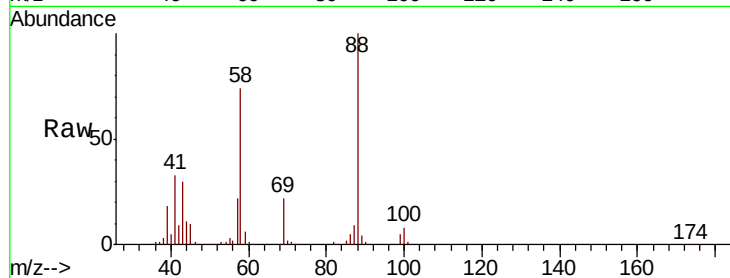




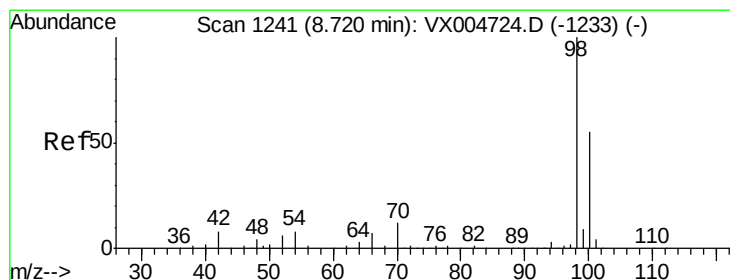
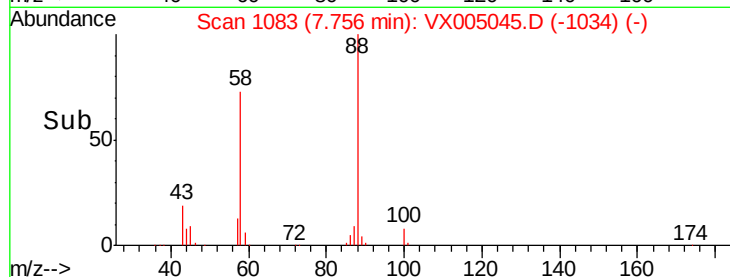
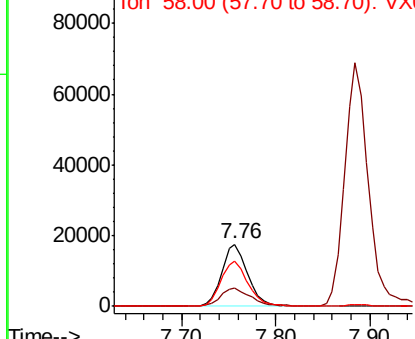
#49
1,4-Dioxane
Concen: 419.329 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 33330
Ion Ratio Lower Upper
88 100
43 33.1 25.1 37.7
58 76.2 56.2 84.2

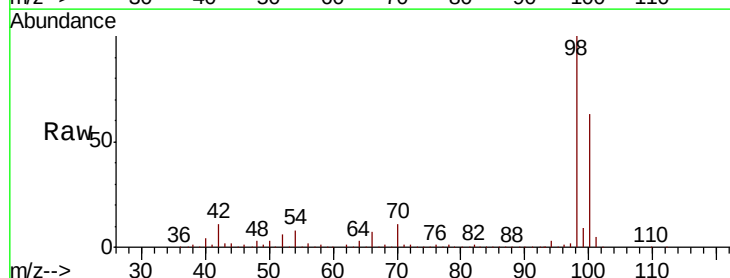


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

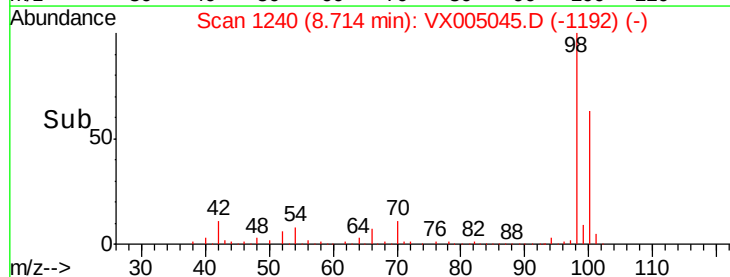
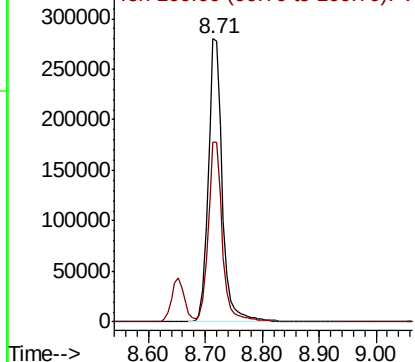


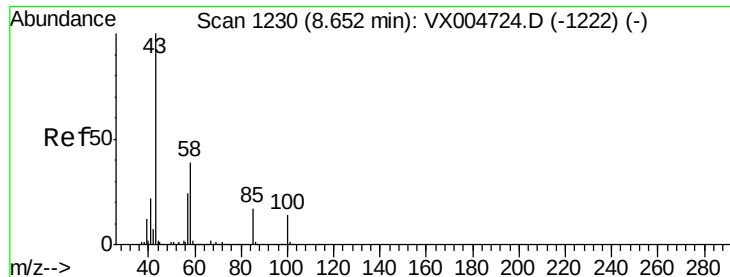
#50
Toluene-d8
Concen: 53.697 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Tgt Ion: 98 Resp: 481377
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9



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





#51

4-Methyl-2-Pentanone

Concen: 112.029 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Instrument :

MSVOA_X

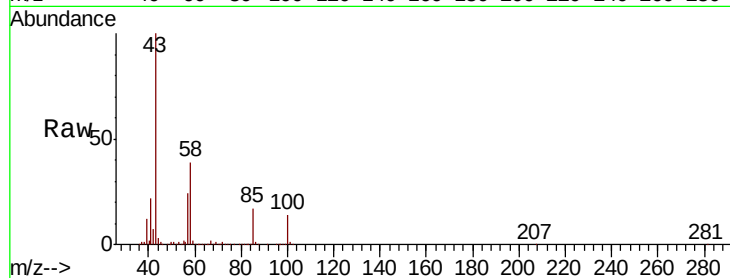
ClientSampleId :

Tot Ion: 43 Resp: 497212

Ion Ratio Lower Upper

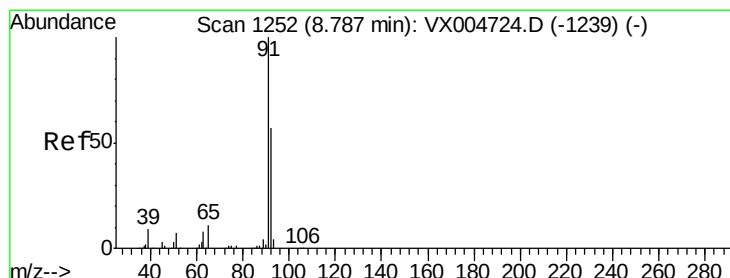
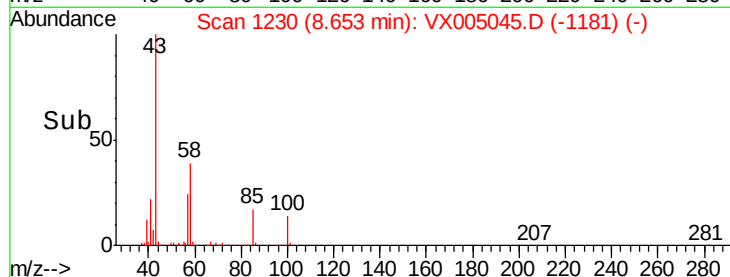
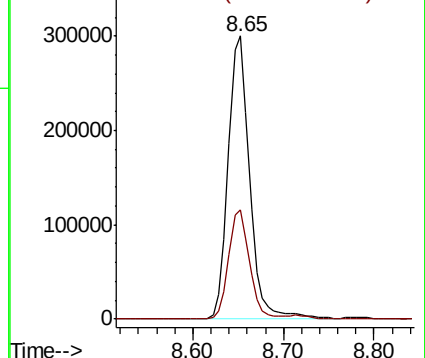
43 100

58 37.4 30.5 45.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.845 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX005045.D

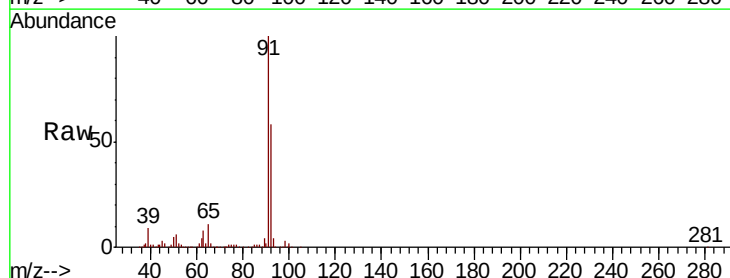
Acq: 05 Oct 2018 04:04

Tgt Ion: 92 Resp: 131929

Ion Ratio Lower Upper

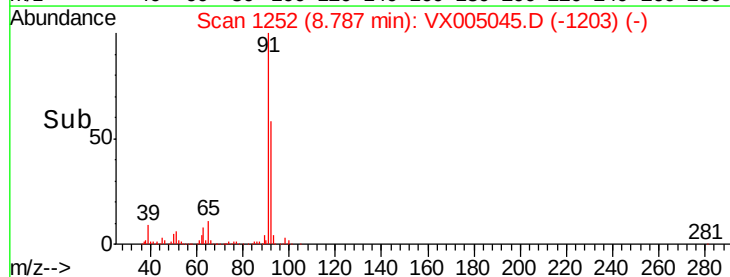
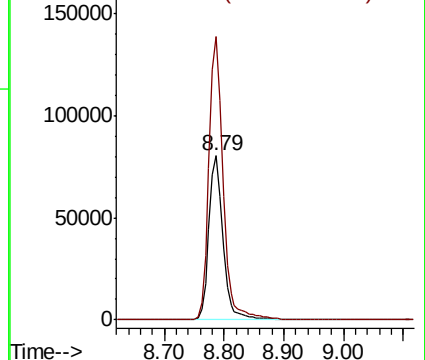
92 100

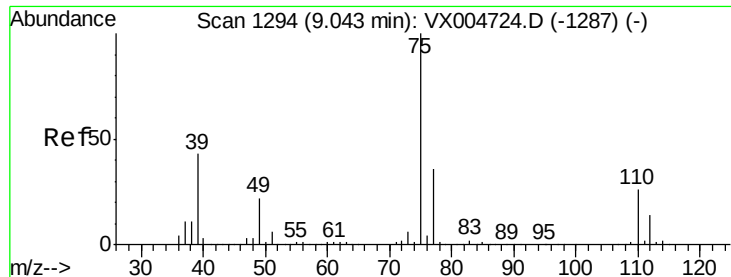
91 172.9 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 18.657 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

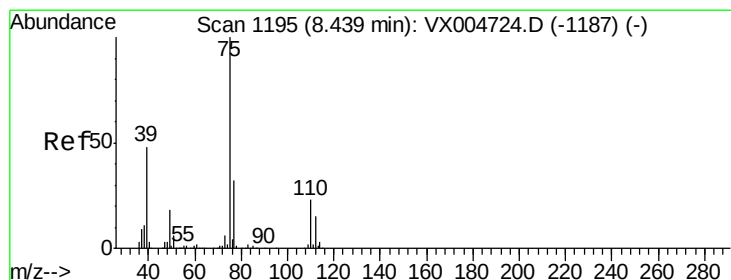
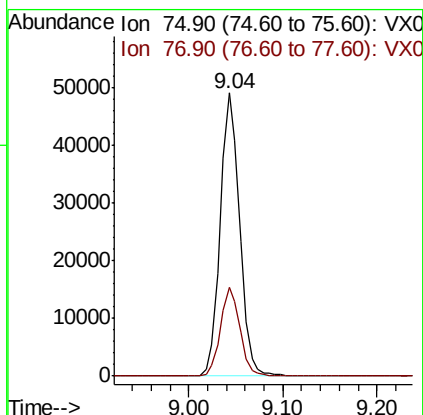
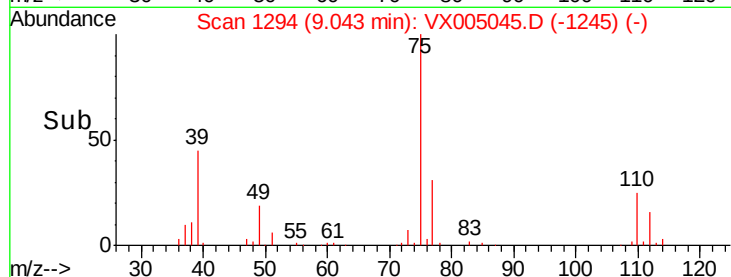
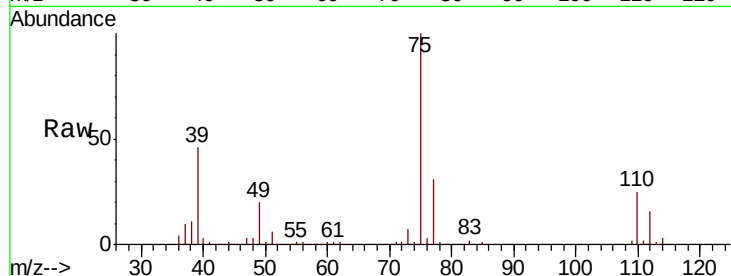
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 75 Resp: 70072

Ion Ratio Lower Upper

75 100

77 31.3 28.9 43.3



#54

cis-1,3-Dichloropropene

Concen: 19.764 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

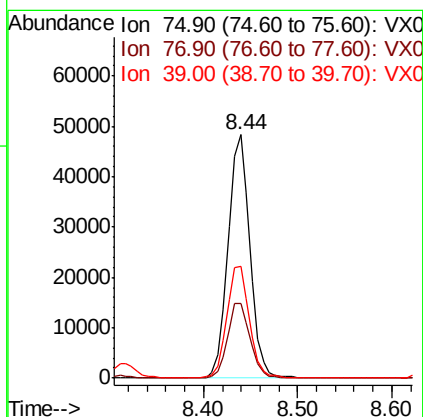
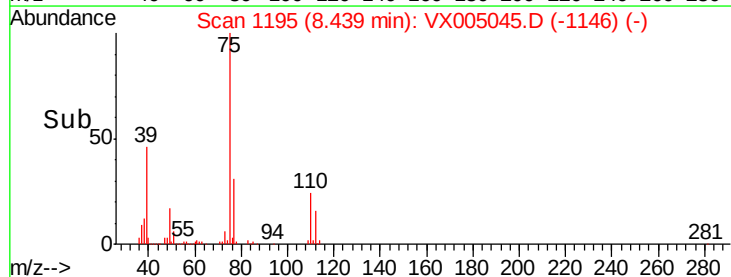
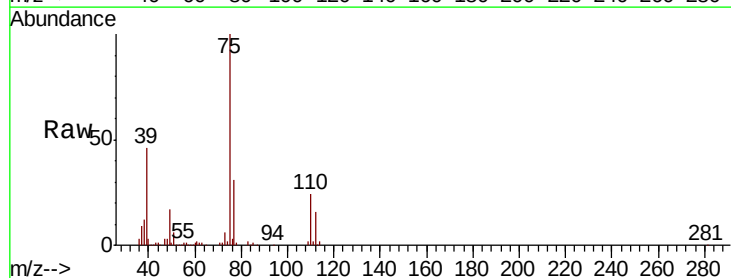
Tgt Ion: 75 Resp: 77750

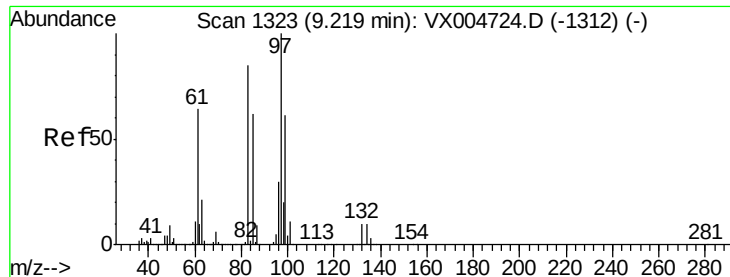
Ion Ratio Lower Upper

75 100

77 30.7 25.7 38.5

39 45.7 38.3 57.5

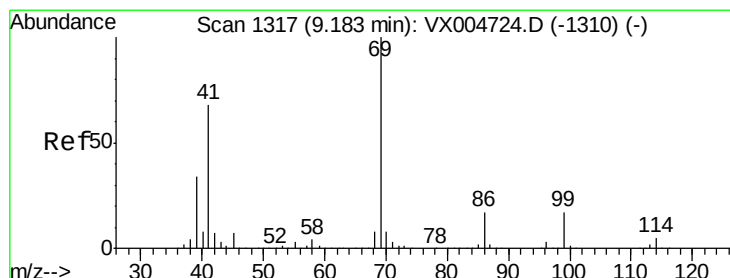
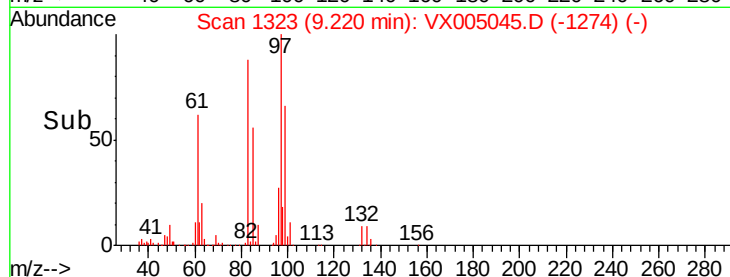
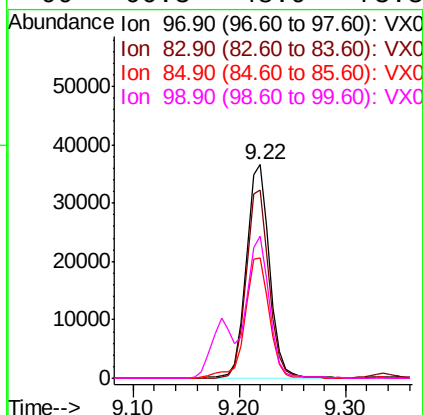
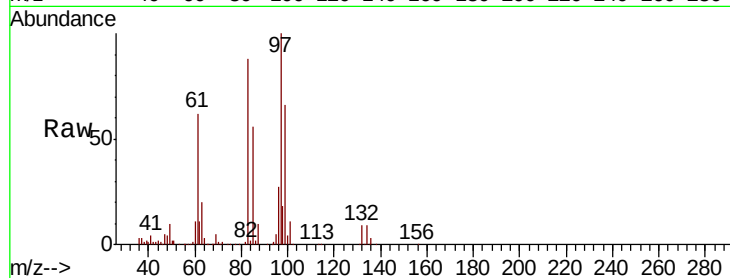




#55
 1,1,2-Trichloroethane
 Concen: 20.215 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX005045.D
 Acq: 05 Oct 2018 04:04

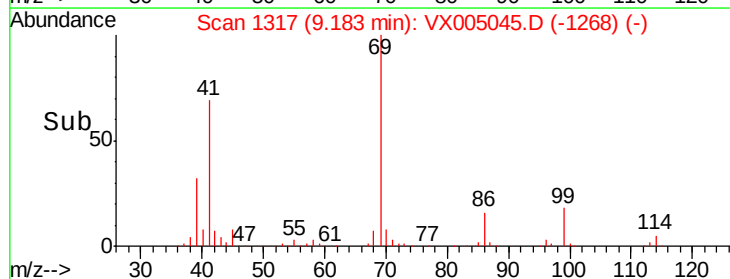
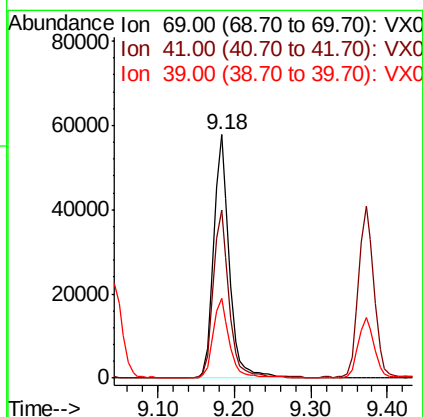
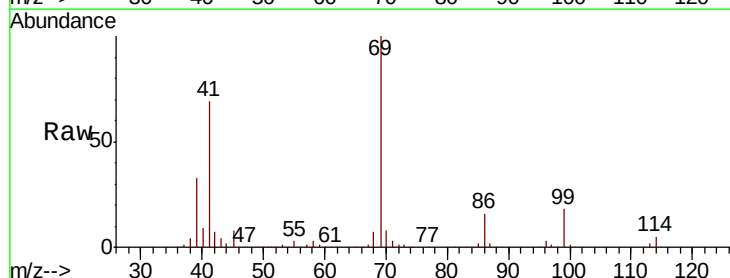
Instrument :
 MSVOA_X
 ClientSampleId :

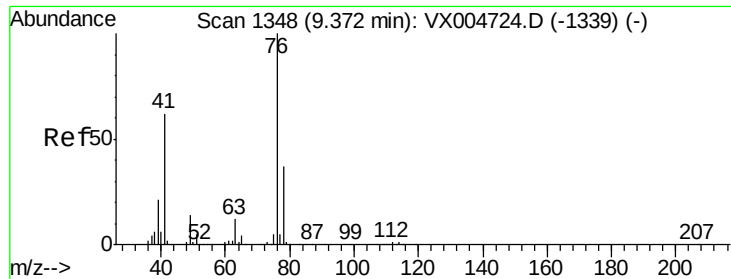
Tot Ion:	97	Resp:	56043
Ion	Ratio	Lower	Upper
97	100		
83	88.4	68.2	102.2
85	56.1	49.9	74.9
99	66.3	48.9	73.3



#56
 Ethyl methacrylate
 Concen: 20.009 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX005045.D
 Acq: 05 Oct 2018 04:04

Tgt Ion:	69	Resp:	81821
Ion	Ratio	Lower	Upper
69	100		
41	69.9	56.9	85.3
39	33.7	28.4	42.6

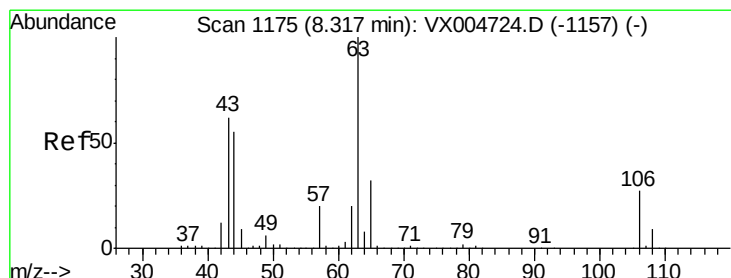
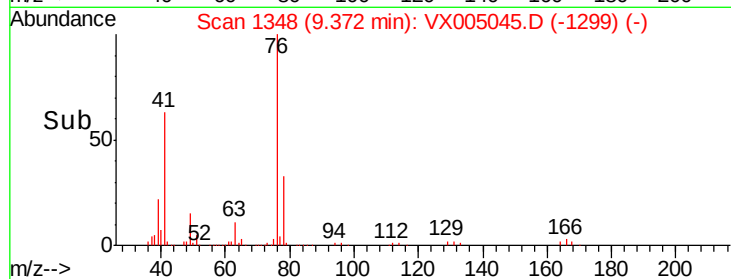
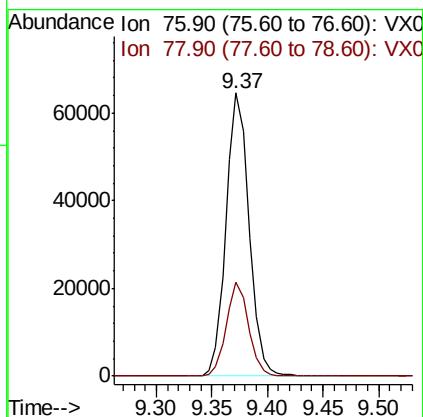
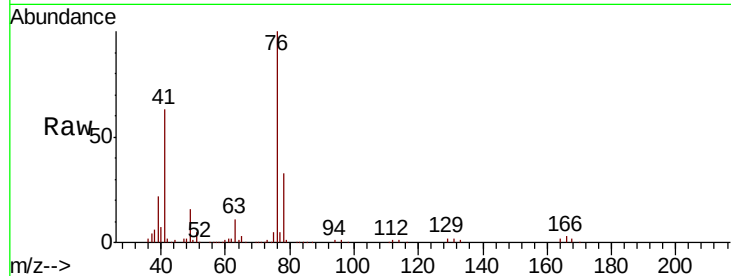




#57
 1,3-Dichloropropane
 Concen: 20.089 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX005045.D
 Acq: 05 Oct 2018 04:04

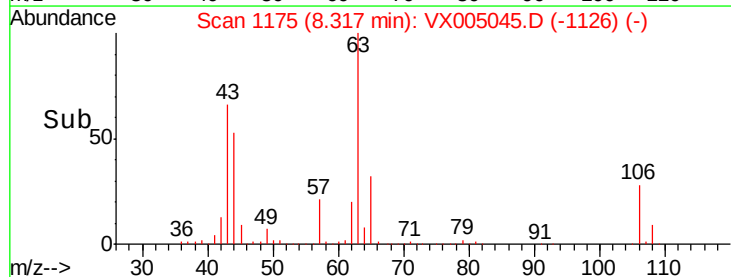
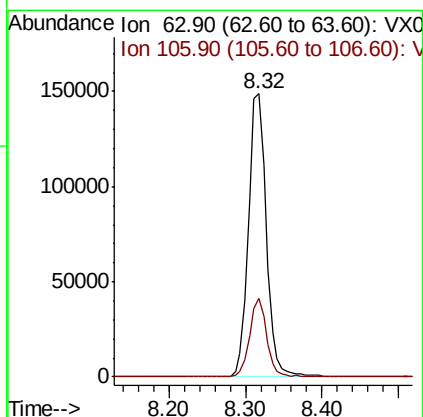
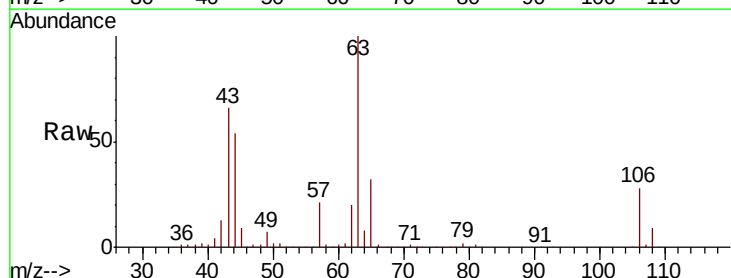
Instrument :
 MSVOA_X
 ClientSampleId :

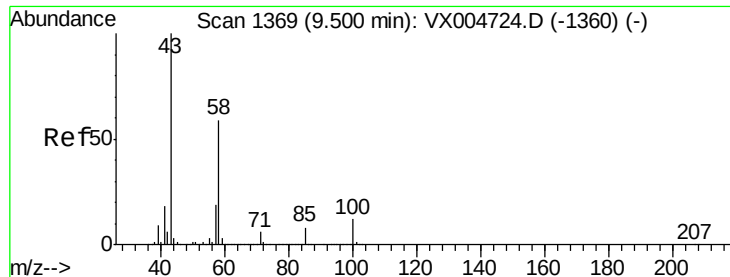
Tot Ion: 76 Resp: 92690
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.6 40.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.411 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX005045.D
 Acq: 05 Oct 2018 04:04

Tgt Ion: 63 Resp: 243601
 Ion Ratio Lower Upper
 63 100
 106 26.5 21.0 31.6

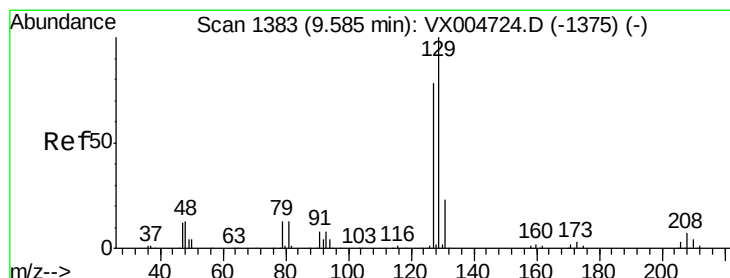
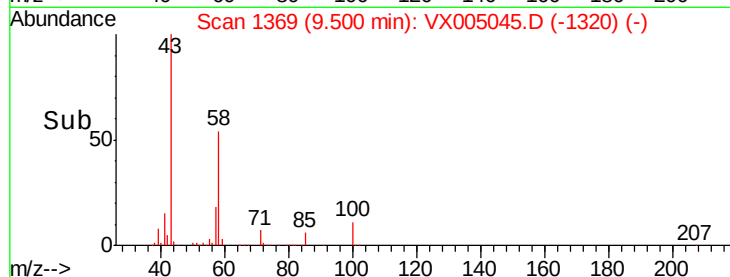
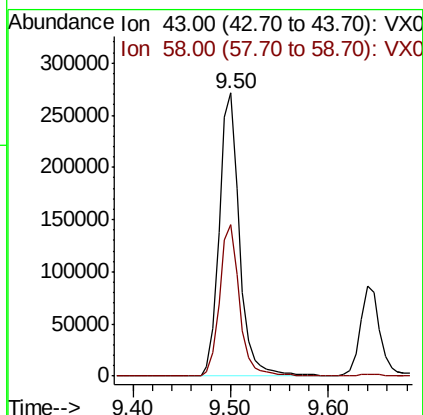
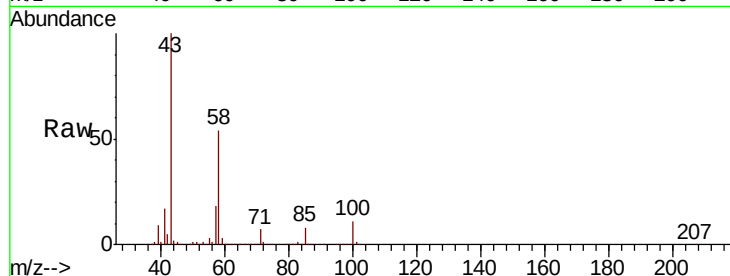




#59
2-Hexanone
Concen: 105.044 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

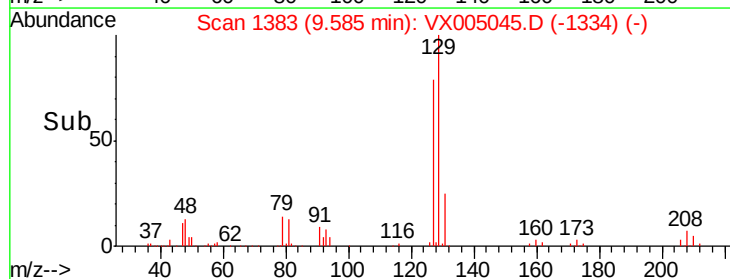
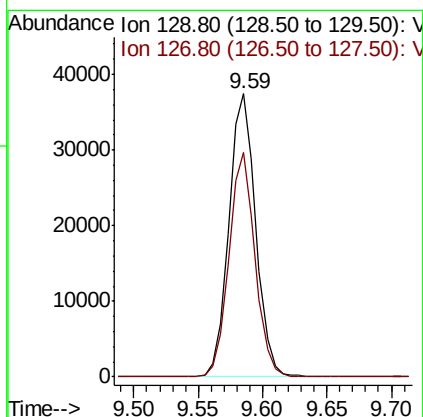
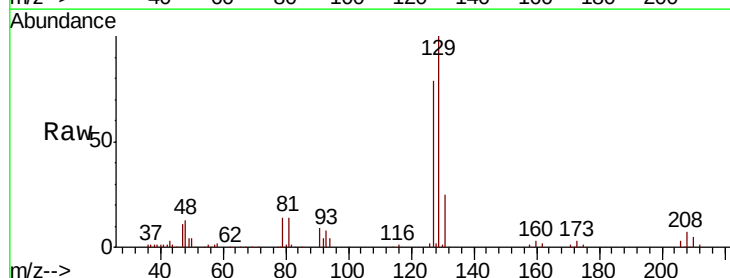
Instrument :
MSVOA_X
ClientSampleId :

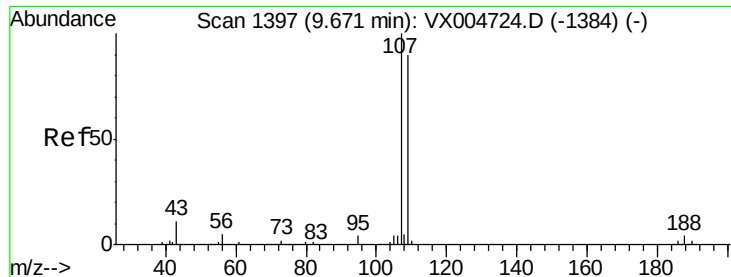
Tot Ion: 43 Resp: 388501
Ion Ratio Lower Upper
43 100
58 52.6 28.4 85.3



#60
Dibromochloromethane
Concen: 19.653 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Tgt Ion: 129 Resp: 54488
Ion Ratio Lower Upper
129 100
127 77.0 39.1 117.2





#61

1,2-Dibromoethane

Concen: 19.459 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Instrument :

MSVOA_X

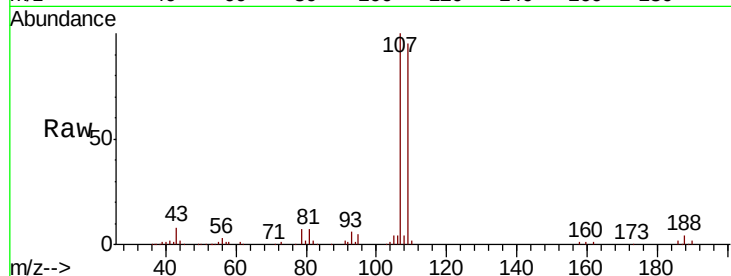
ClientSampleId :

Tot Ion:107 Resp: 57775

Ion Ratio Lower Upper

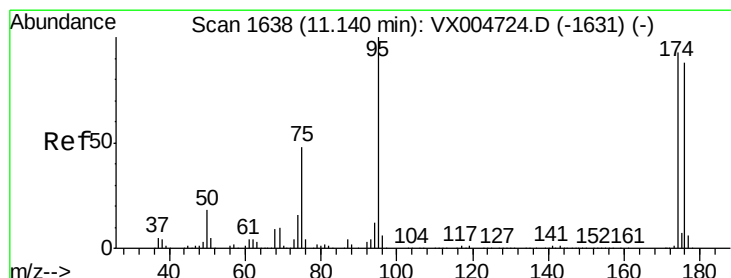
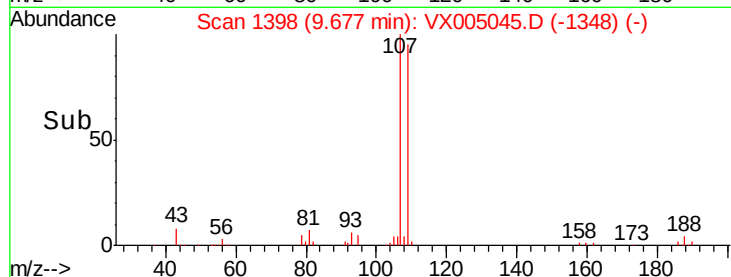
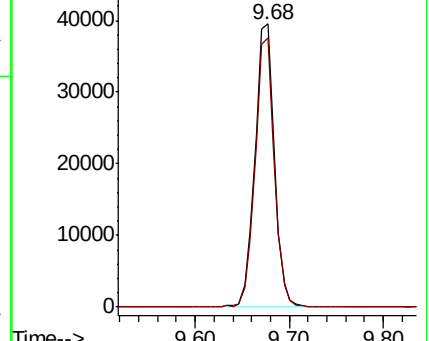
107 100

109 94.1 72.1 108.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.929 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

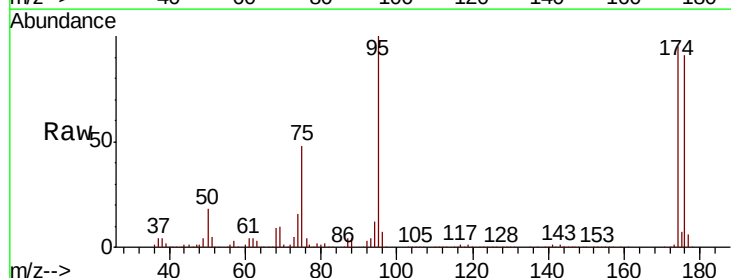
Tgt Ion: 95 Resp: 174166

Ion Ratio Lower Upper

95 100

174 92.1 0.0 185.0

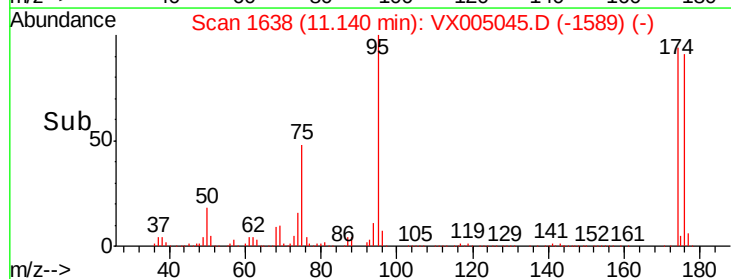
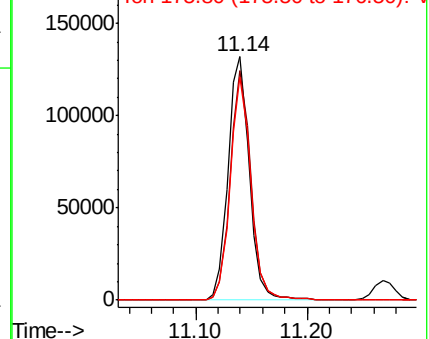
176 89.0 0.0 180.2

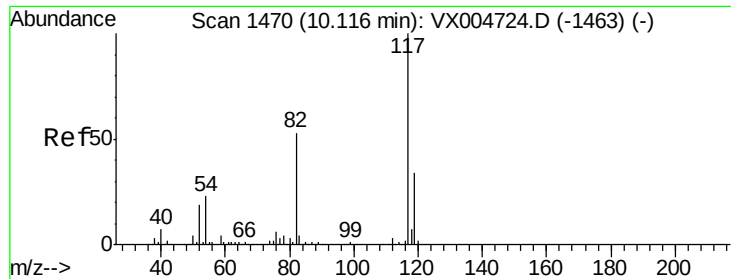


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

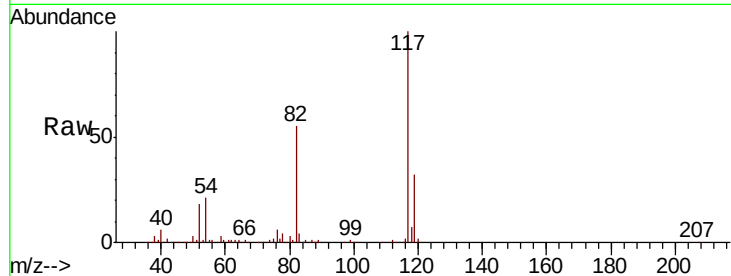




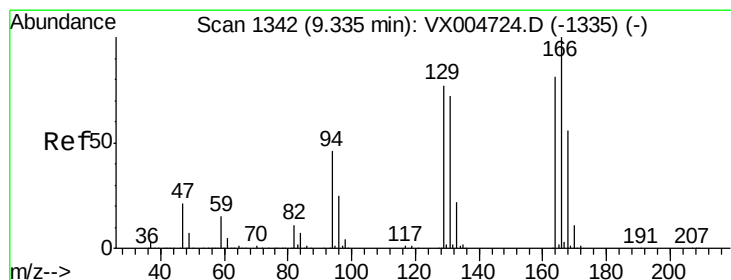
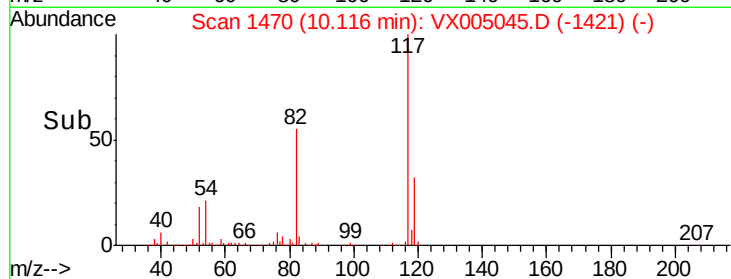
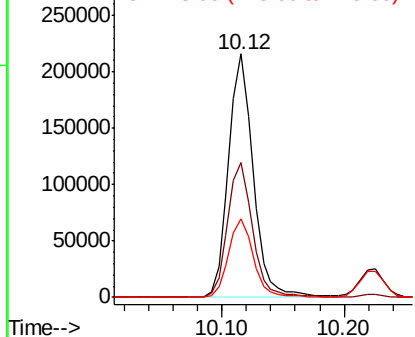
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 302748
Ion Ratio Lower Upper
117 100
82 55.1 42.2 63.4
119 32.3 27.4 41.0

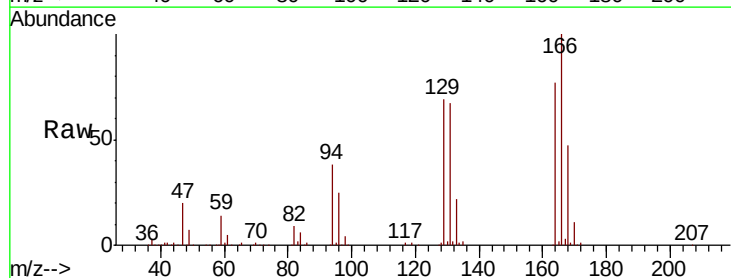


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

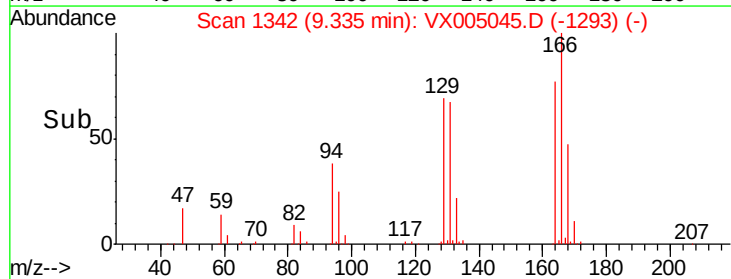
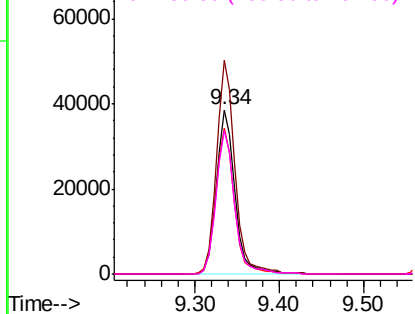


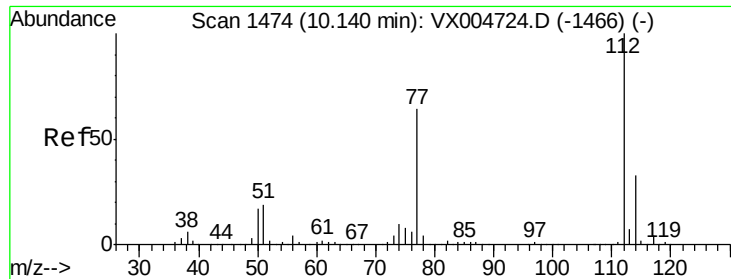
#64
Tetrachloroethene
Concen: 19.804 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Tgt Ion:164 Resp: 59009
Ion Ratio Lower Upper
164 100
166 130.2 98.4 147.6
129 89.2 76.1 114.1
131 87.3 71.0 106.4



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

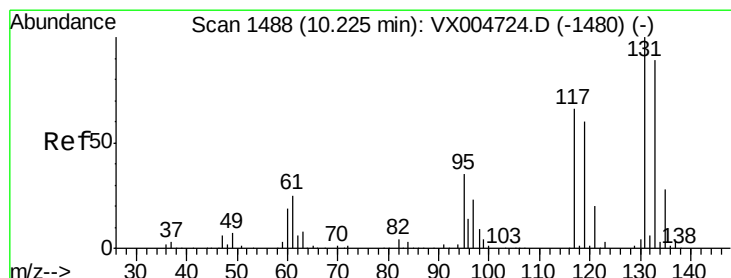
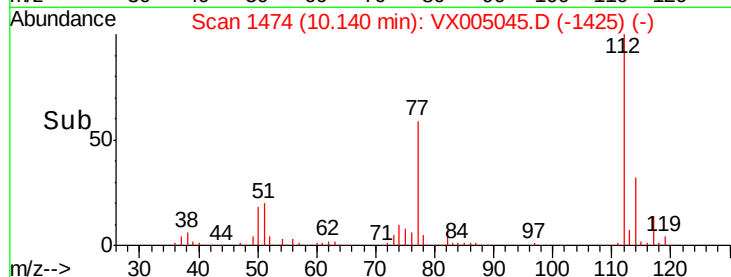
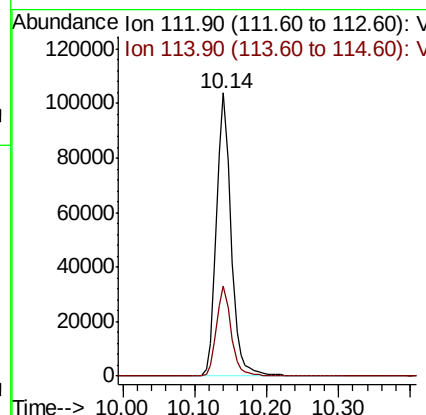
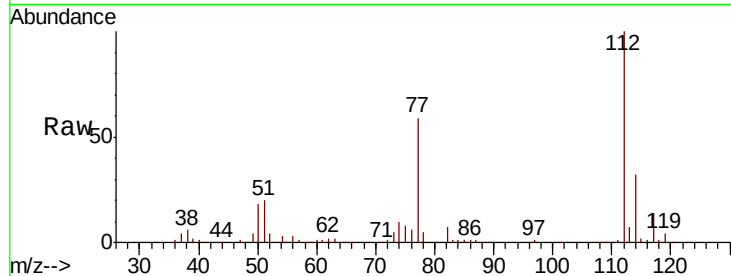




#65
Chlorobenzene
Concen: 18.847 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

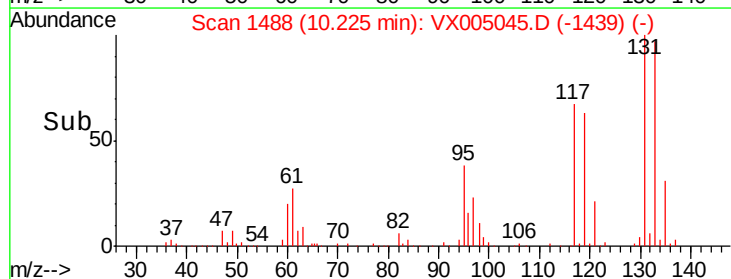
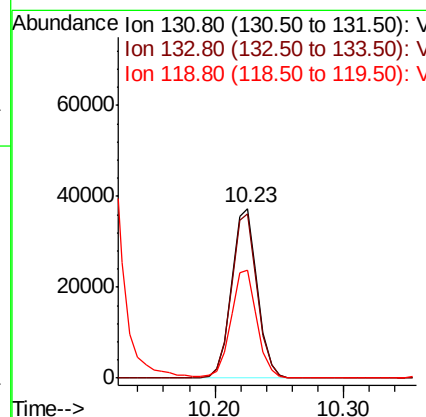
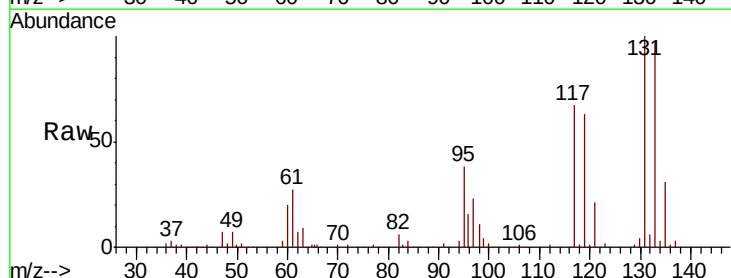
Instrument :
MSVOA_X
ClientSampled :

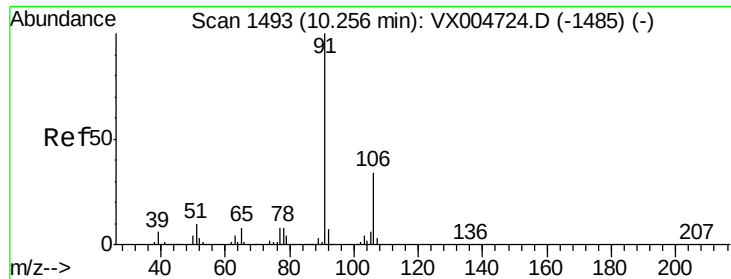
Tot Ion:112 Resp: 146318
Ion Ratio Lower Upper
112 100
114 31.9 26.7 40.1



#66
1,1,1,2-Tetrachloroethane
Concen: 19.137 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Tgt Ion:131 Resp: 52229
Ion Ratio Lower Upper
131 100
133 97.1 48.4 145.0
119 64.6 32.3 96.8

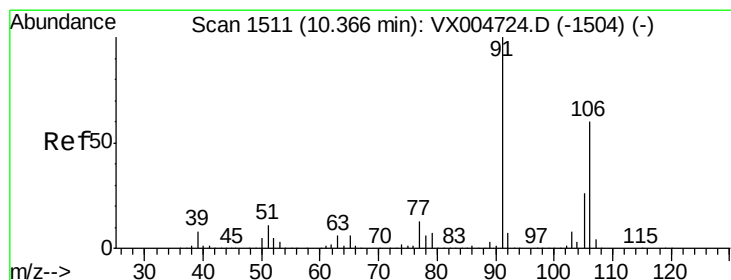
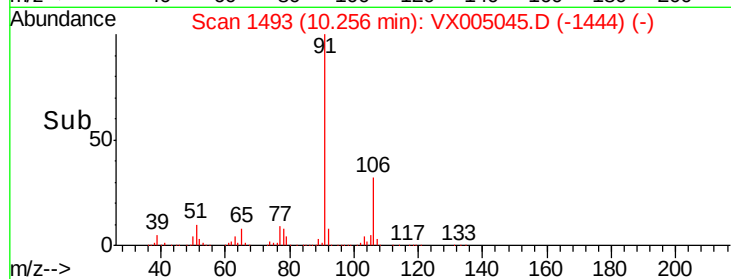
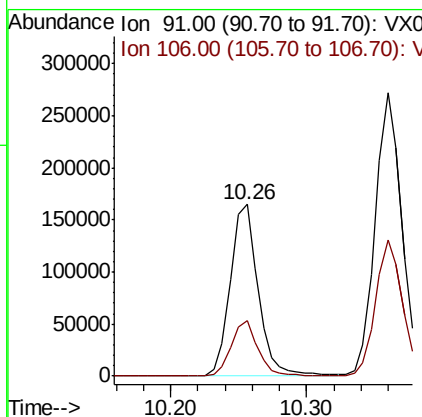
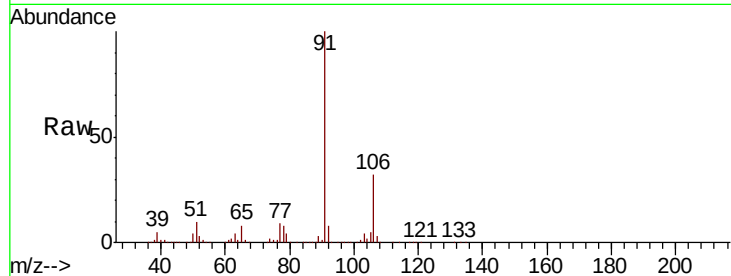




#67
Ethyl Benzene
Concen: 19.240 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

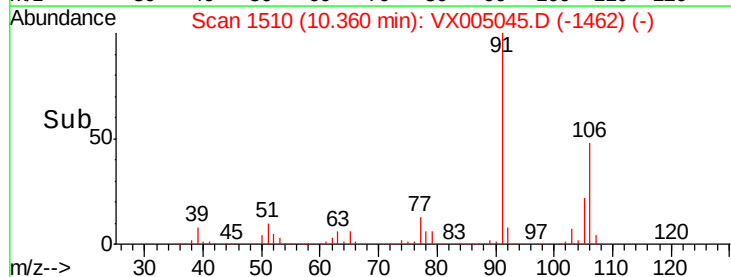
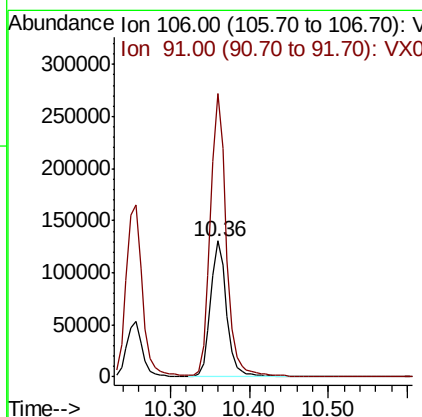
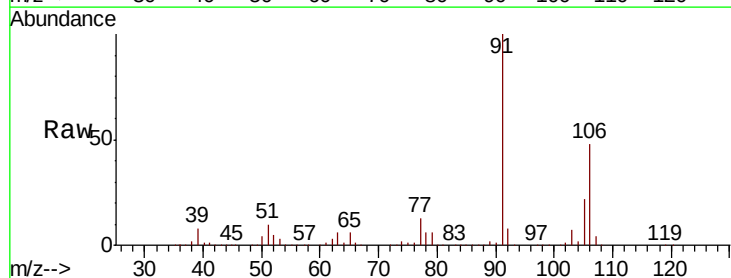
Instrument :
MSVOA_X
ClientSampleId :

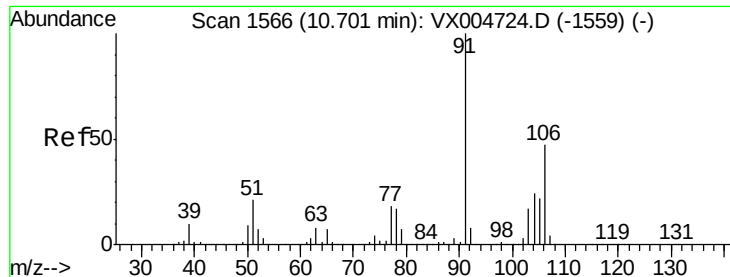
Tot Ion: 91 Resp: 237142
Ion Ratio Lower Upper
91 100
106 32.0 26.9 40.3



#68
m/p-Xylenes
Concen: 38.596 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Tgt Ion: 106 Resp: 185894
Ion Ratio Lower Upper
106 100
91 206.8 157.5 236.3

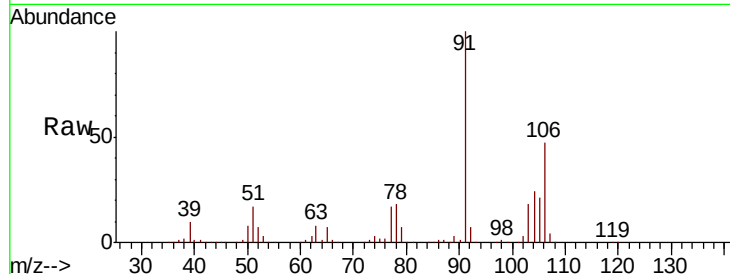




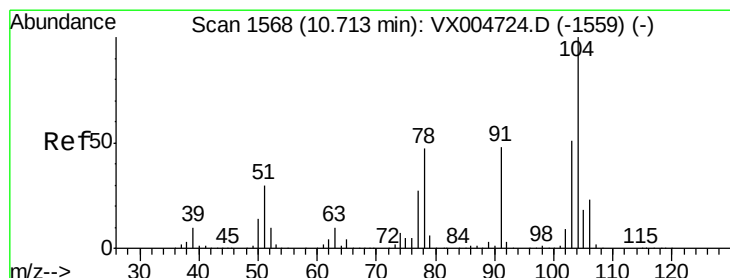
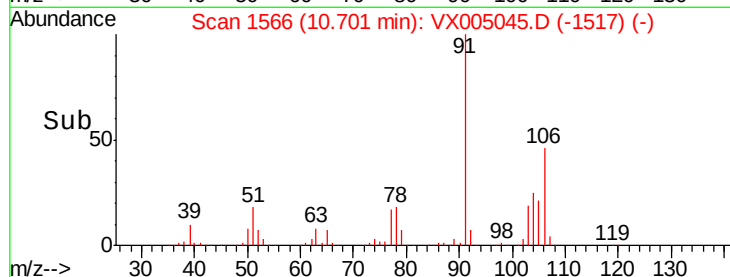
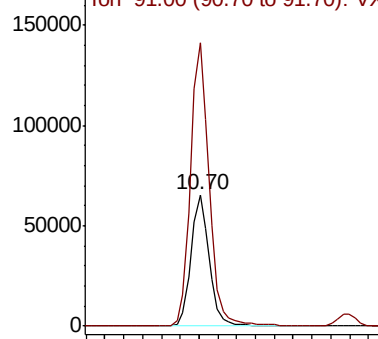
#69
o-Xylene
Concen: 20.036 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 88633
Ion Ratio Lower Upper
106 100
91 218.7 108.3 324.8

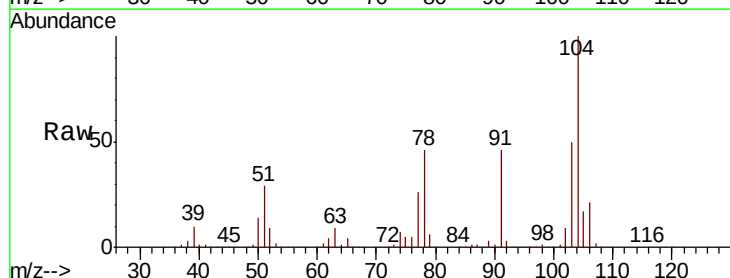


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

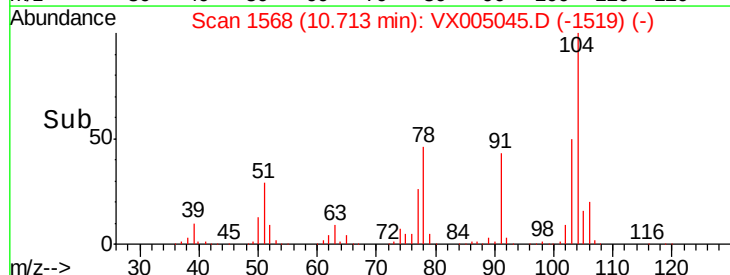
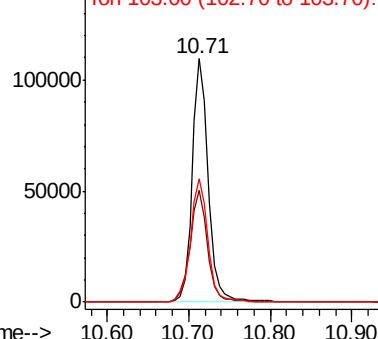


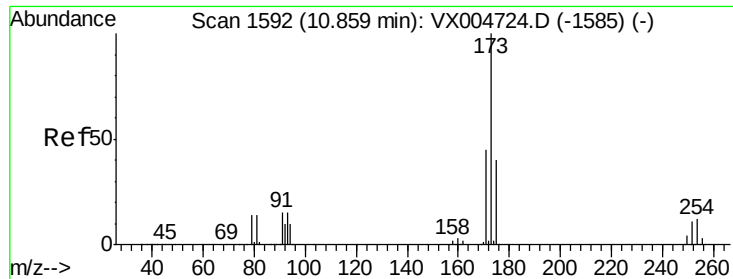
#70
Styrene
Concen: 19.561 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005045.D
Acq: 05 Oct 2018 04:04

Tgt Ion:104 Resp: 150578
Ion Ratio Lower Upper
104 100
78 50.4 40.0 60.0
103 55.5 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.821 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Instrument :

MSVOA_X

ClientSampled :

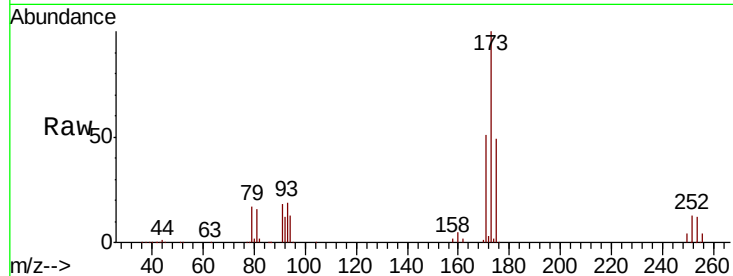
Tot Ion:173 Resp: 43976

Ion Ratio Lower Upper

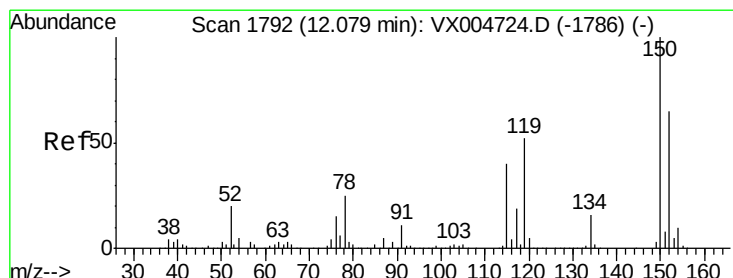
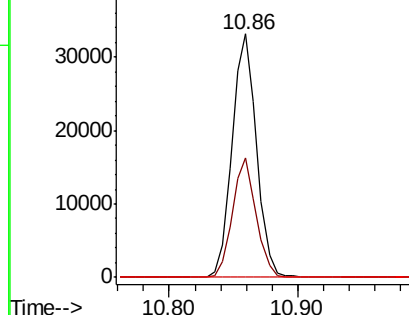
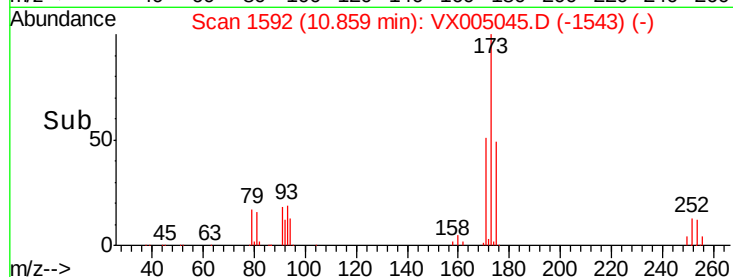
173 100

175 47.2 23.3 69.8

254 0.2 0.2 0.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

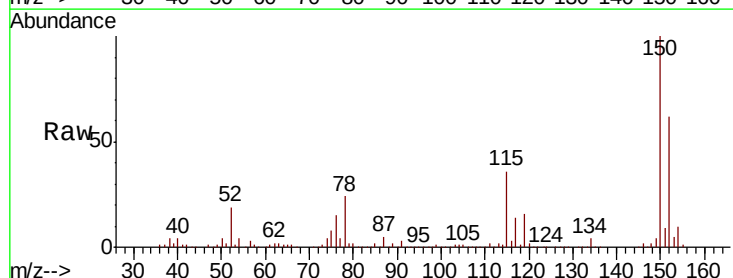
Tgt Ion:152 Resp: 179005

Ion Ratio Lower Upper

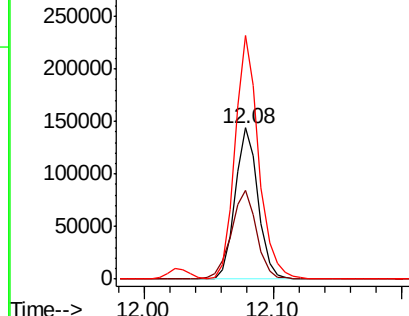
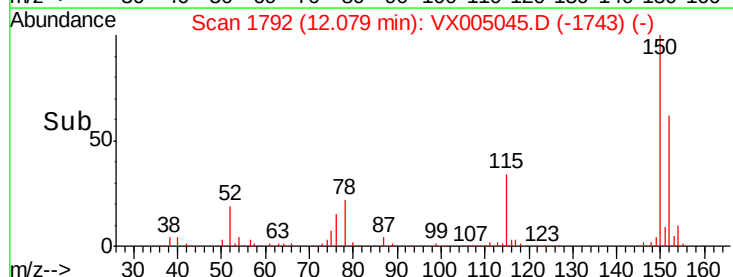
152 100

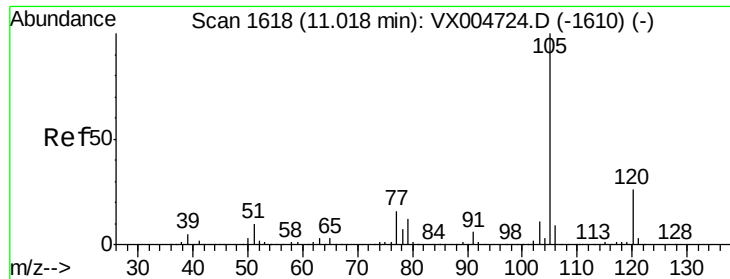
115 65.5 40.2 120.6

150 165.7 0.0 351.0



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: 21.300 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Instrument :

MSVOA_X

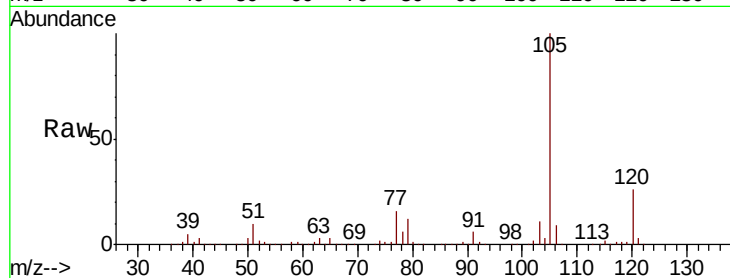
ClientSampleId :

Tot Ion: 105 Resp: 240331

Ion Ratio Lower Upper

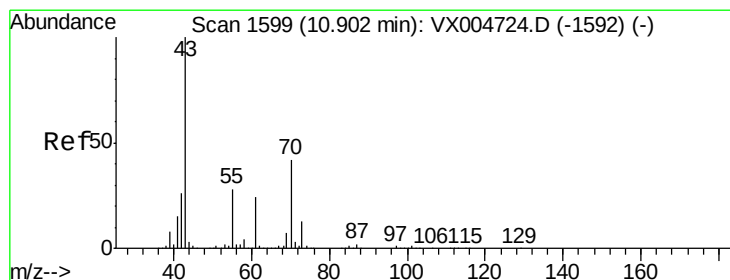
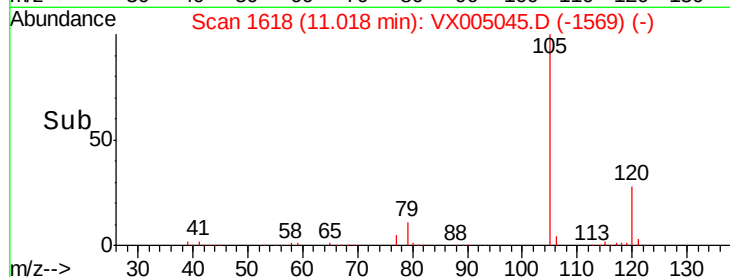
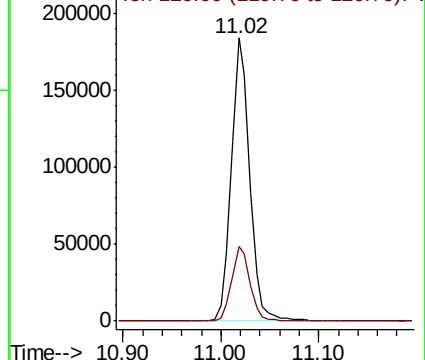
105 100

120 26.5 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.371 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Tgt Ion: 43 Resp: 113252

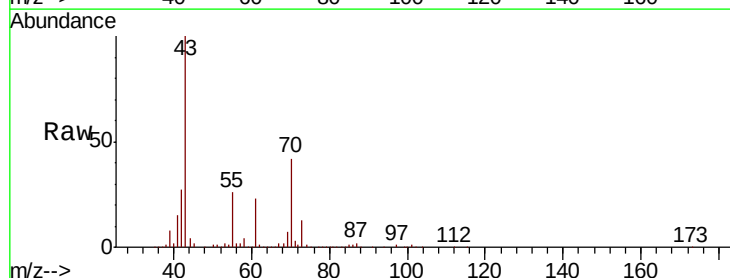
Ion Ratio Lower Upper

43 100

70 40.9 32.6 48.8

55 26.3 21.6 32.4

61 23.5 19.1 28.7

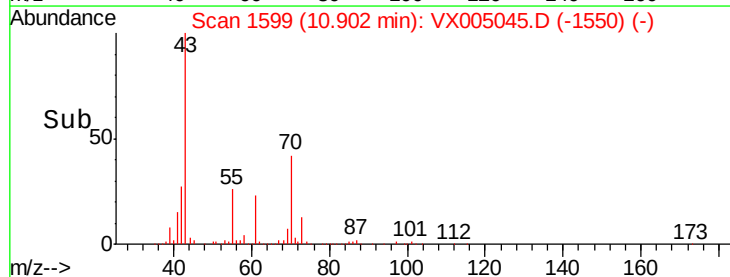
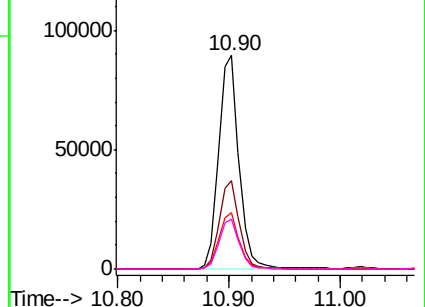


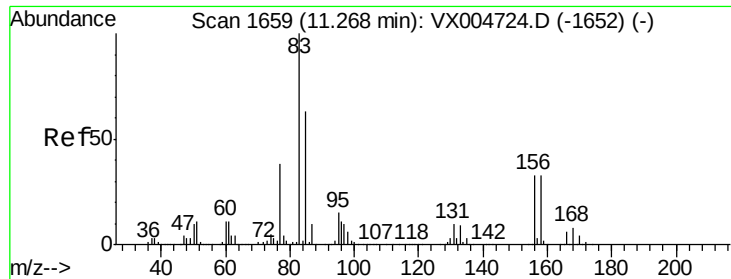
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.604 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Instrument :

MSVOA_X

ClientSampleId :

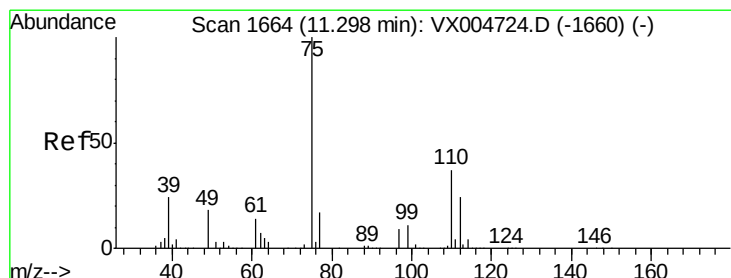
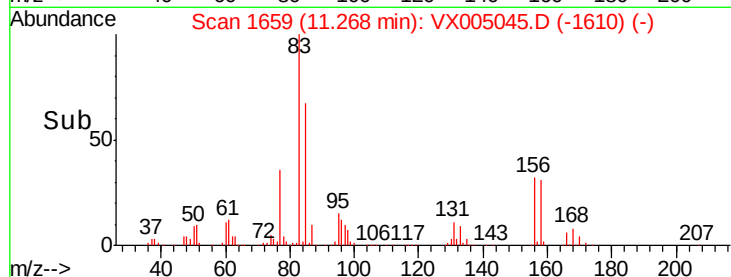
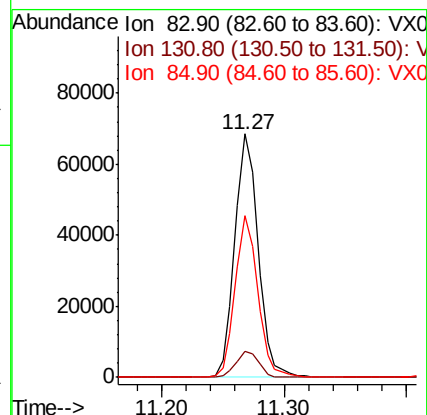
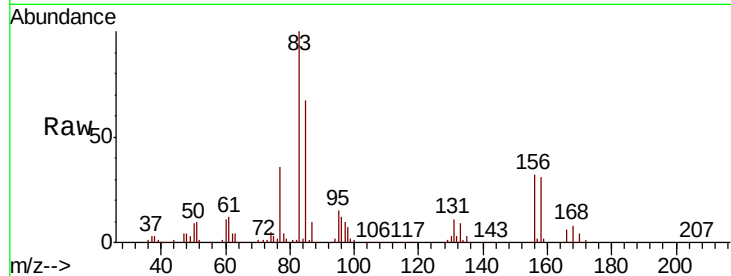
Tot Ion: 83 Resp: 90041

Ion Ratio Lower Upper

83 100

131 10.5 5.1 15.3

85 64.6 31.9 95.9



#76

1,2,3-Trichloropropane

Concen: 24.299 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX005045.D

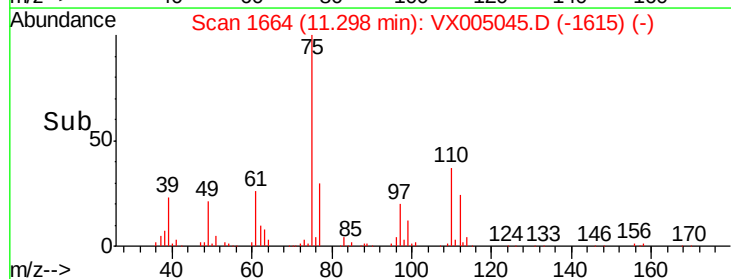
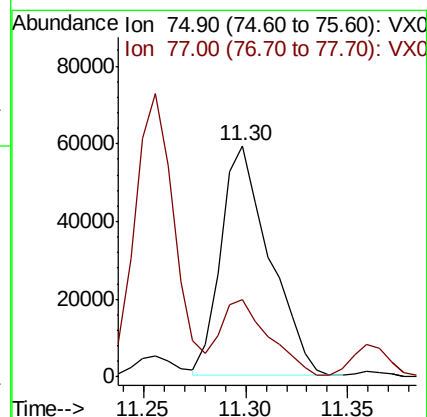
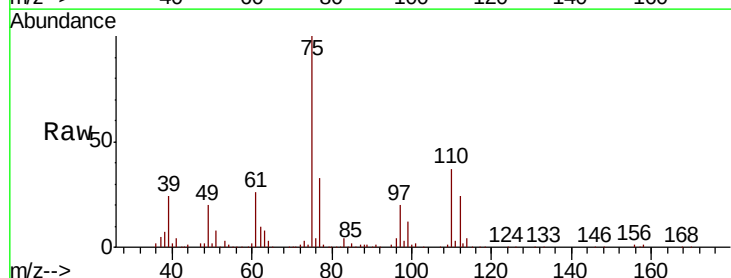
Acq: 05 Oct 2018 04:04

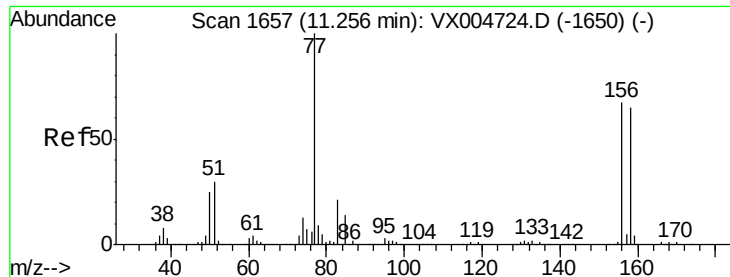
Tgt Ion: 75 Resp: 97490

Ion Ratio Lower Upper

75 100

77 33.7 21.4 64.3





#77

Bromobenzene

Concen: 20.437 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Instrument :

MSVOA_X

ClientSampleId :

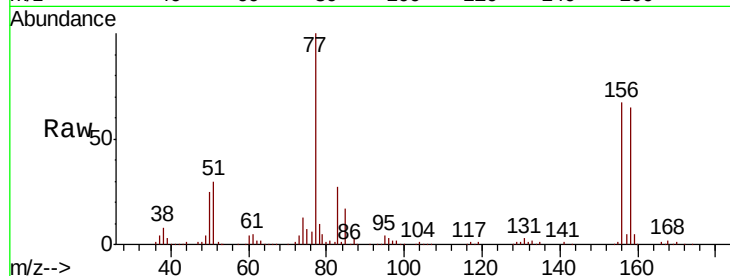
Tot Ion:156 Resp: 66975

Ion Ratio Lower Upper

156 100

77 147.1 73.4 220.2

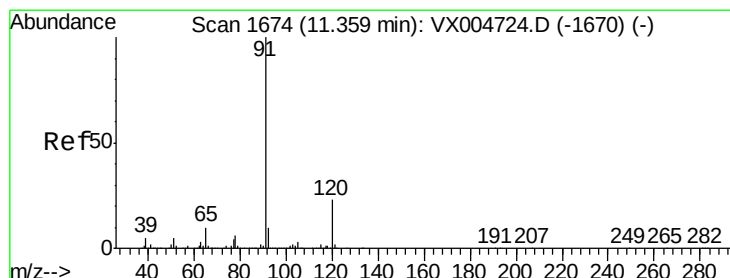
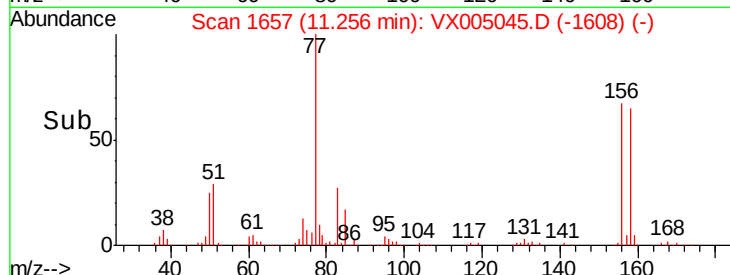
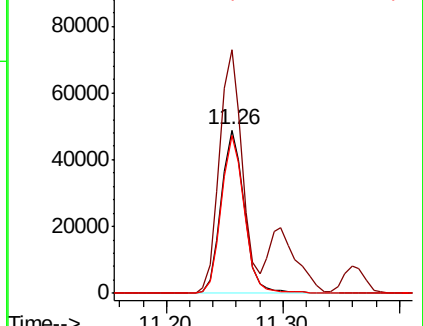
158 96.7 49.1 147.4



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: 21.008 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005045.D

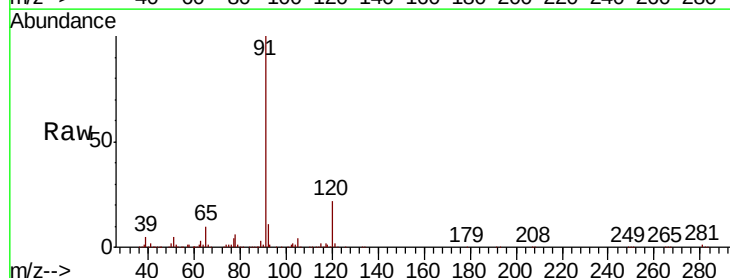
Acq: 05 Oct 2018 04:04

Tgt Ion: 91 Resp: 271972

Ion Ratio Lower Upper

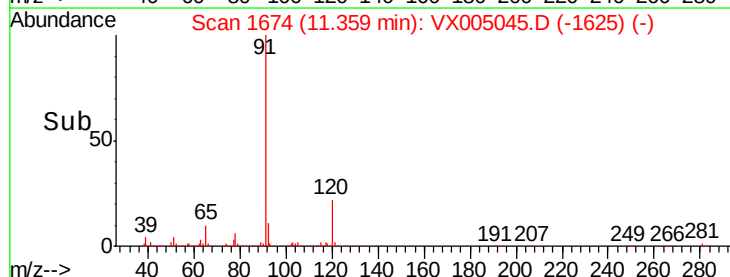
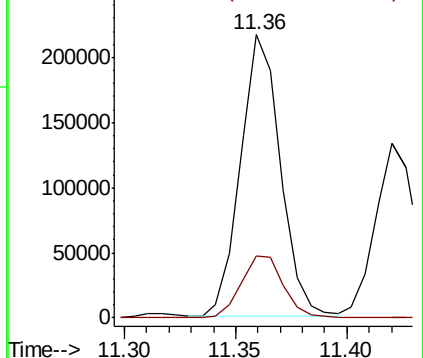
91 100

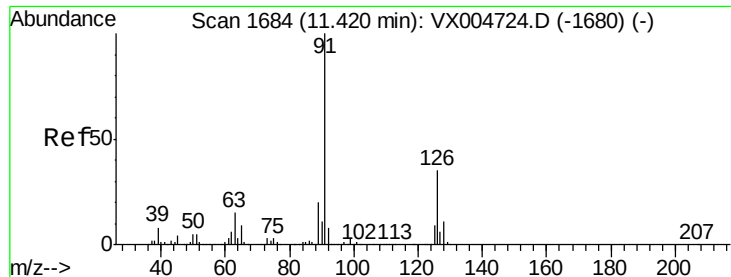
120 23.5 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.092 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Instrument :

MSVOA_X

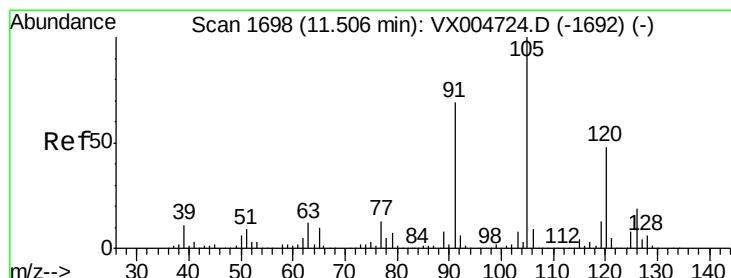
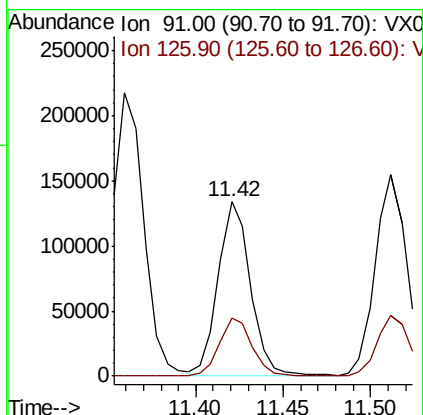
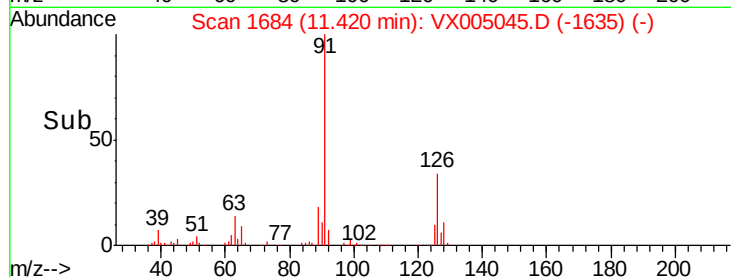
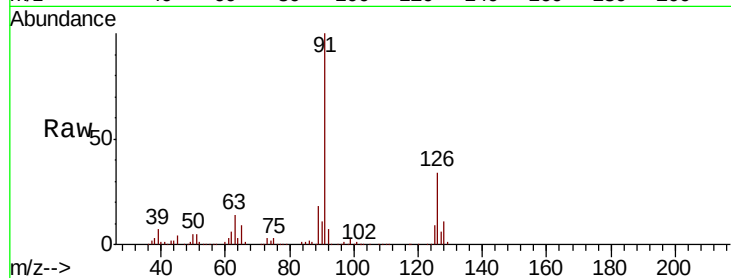
ClientSampled :

Tot Ion: 91 Resp: 170200

Ion Ratio Lower Upper

91 100

126 34.8 17.6 52.9



#80

1,3,5-Trimethylbenzene

Concen: 19.632 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX005045.D

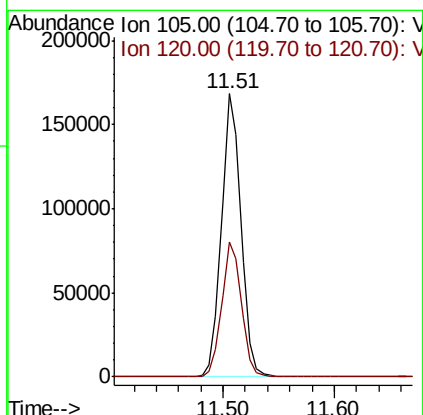
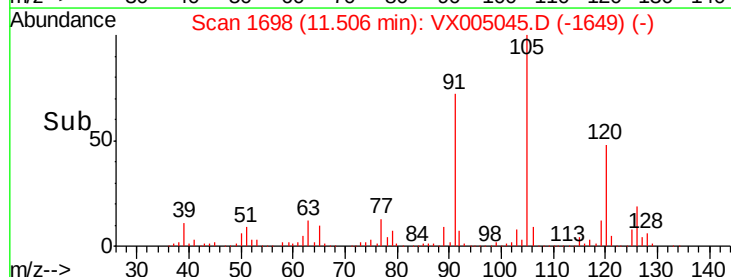
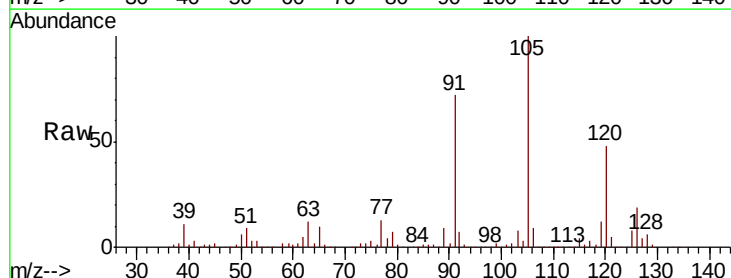
Acq: 05 Oct 2018 04:04

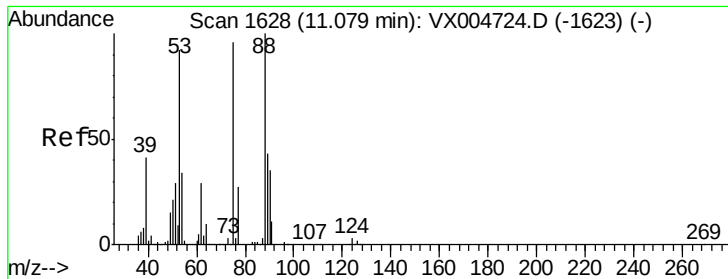
Tgt Ion: 105 Resp: 204261

Ion Ratio Lower Upper

105 100

120 48.1 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 14.961 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Instrument :

MSVOA_X

ClientSampled :

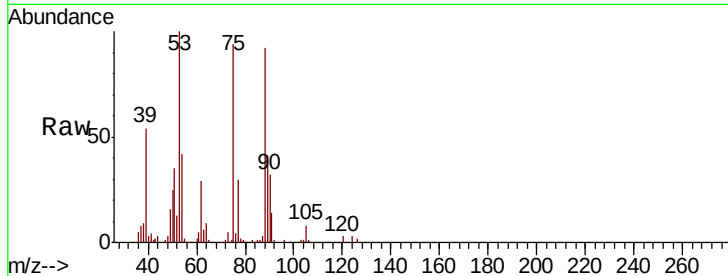
Tot Ion: 75 Resp: 19875

Ion Ratio Lower Upper

75 100

53 106.7 80.2 120.4

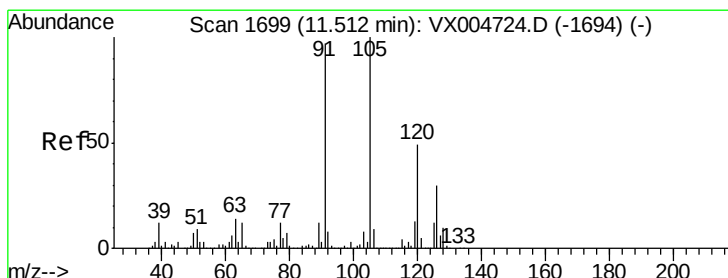
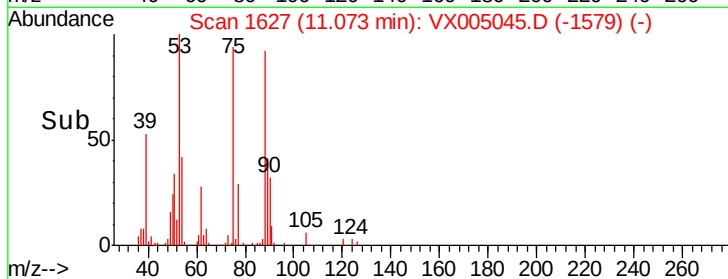
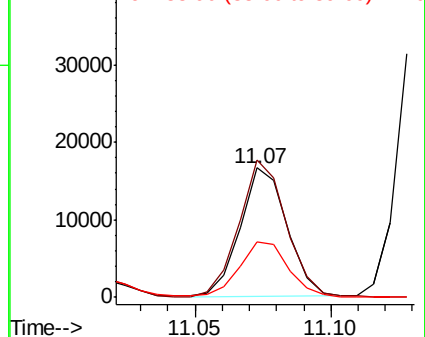
89 45.9 37.1 55.7



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: 20.811 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX005045.D

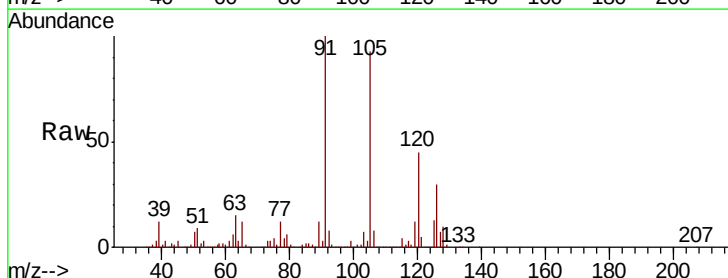
Acq: 05 Oct 2018 04:04

Tgt Ion: 91 Resp: 197663

Ion Ratio Lower Upper

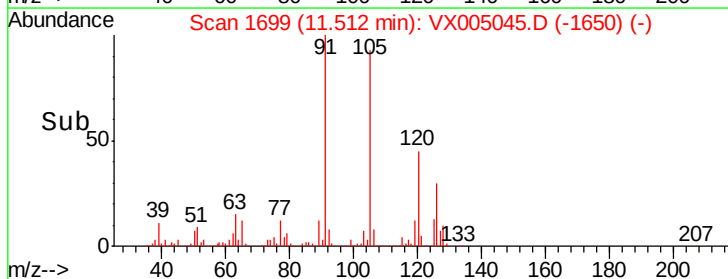
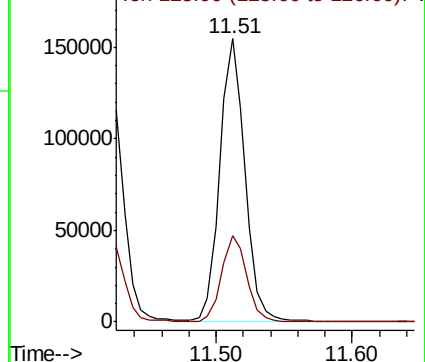
91 100

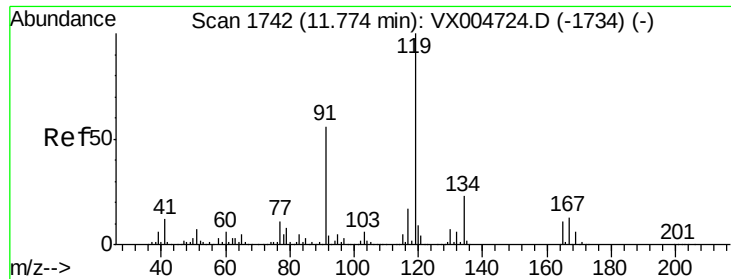
126 30.7 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

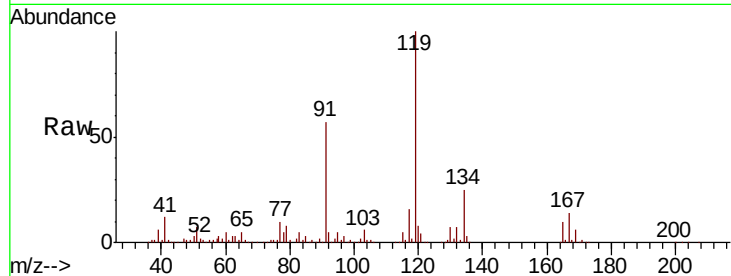




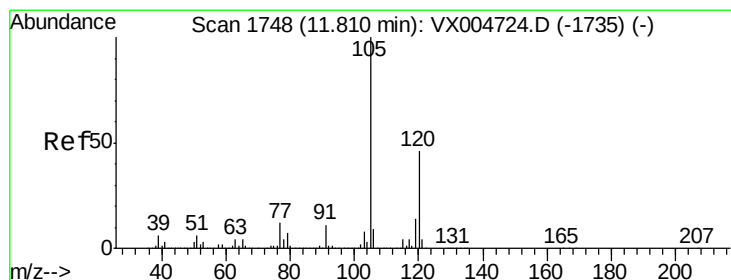
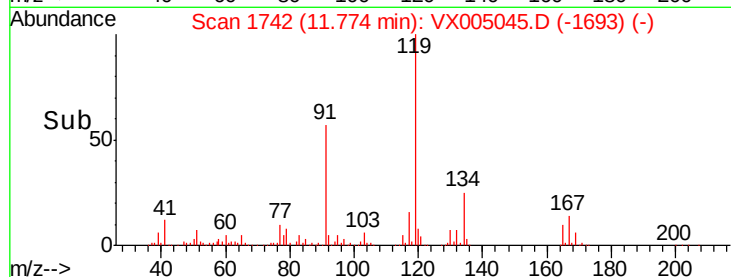
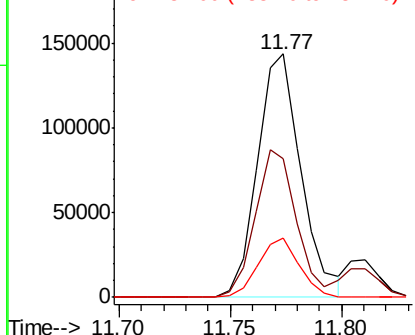
#83
 tert-Butylbenzene
 Concen: 21.080 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX005045.D
 Acq: 05 Oct 2018 04:04

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:119 Resp: 195828
 Ion Ratio Lower Upper
 119 100
 91 57.1 27.5 82.5
 134 23.3 11.5 34.4

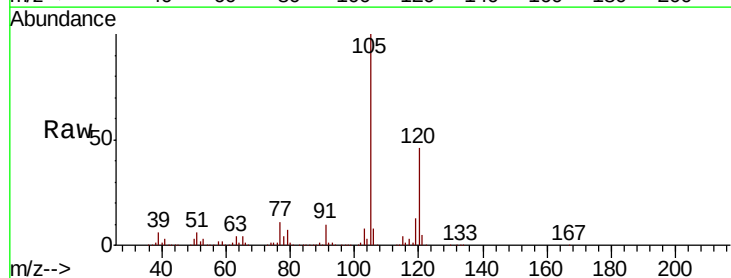


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VX
 Ion 134.00 (133.70 to 134.70): V

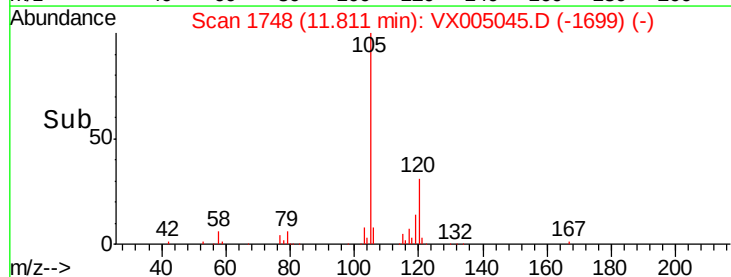
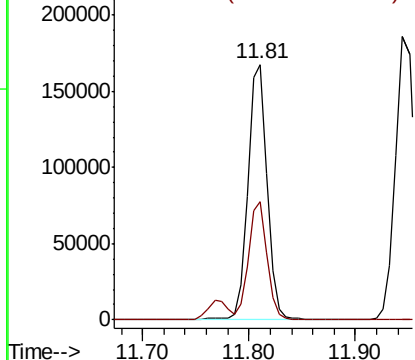


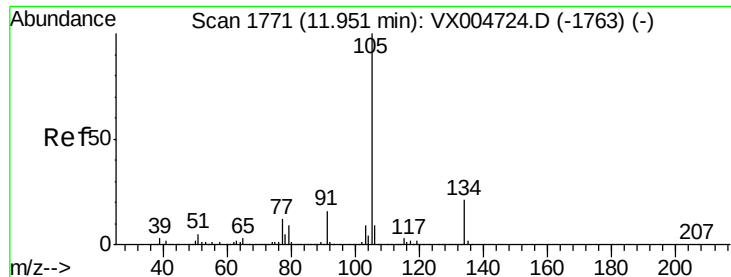
#84
 1,2,4-Trimethylbenzene
 Concen: 19.776 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX005045.D
 Acq: 05 Oct 2018 04:04

Tgt Ion:105 Resp: 212174
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.8 68.3



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

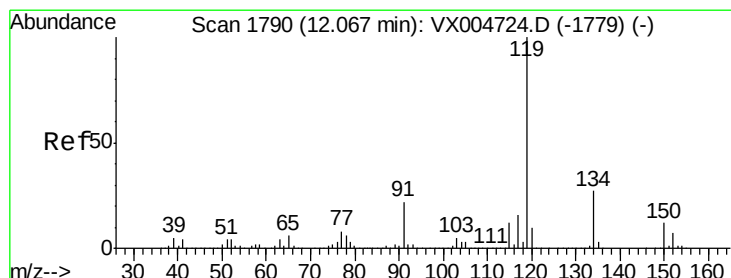
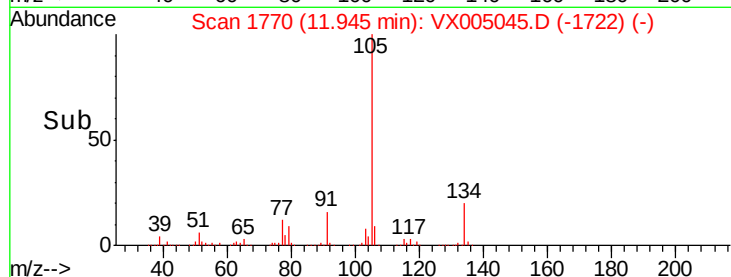
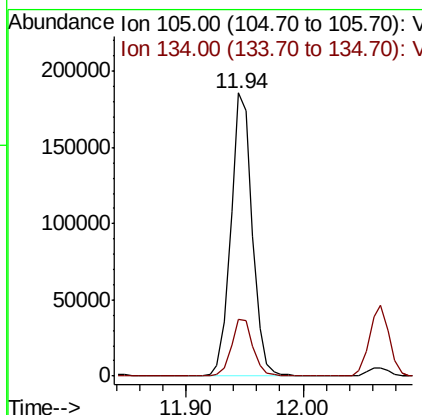
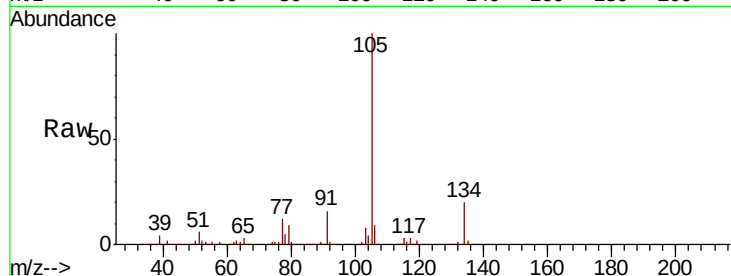




#85
 sec-Butylbenzene
 Concen: 20.950 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.01 min
 Lab File: VX005045.D
 Acq: 05 Oct 2018 04:04

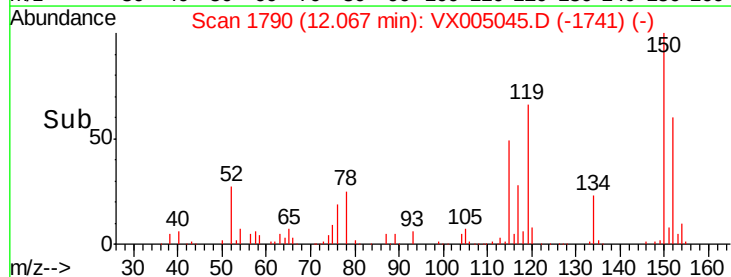
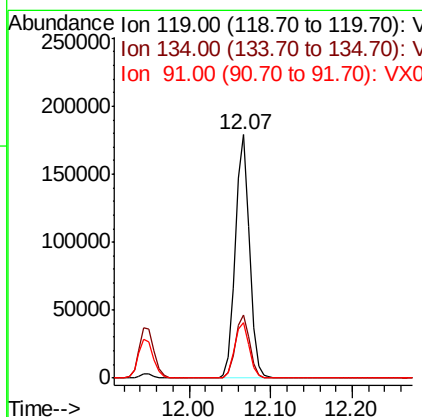
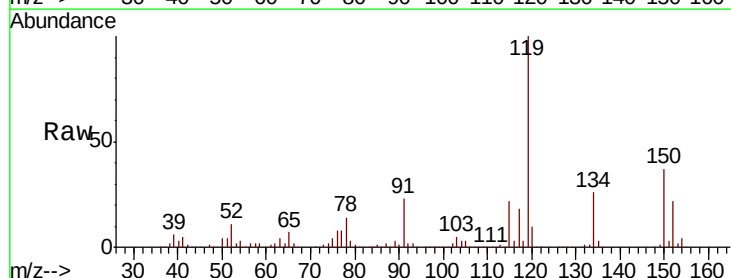
Instrument :
 MSVOA_X
 ClientSampleId :

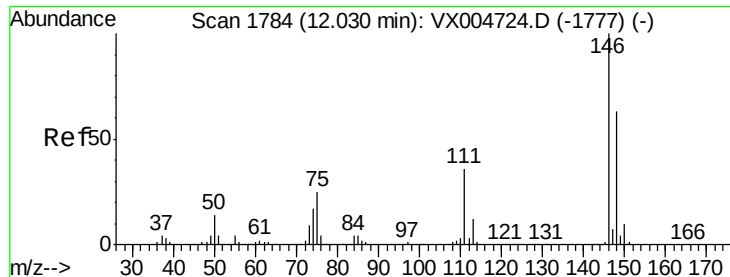
Tot Ion:105 Resp: 237050
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 20.471 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX005045.D
 Acq: 05 Oct 2018 04:04

Tgt Ion:119 Resp: 209855
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.4 40.1
 91 23.5 11.5 34.4





#87

1,3-Dichlorobenzene

Concen: 19.706 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VX005045.D

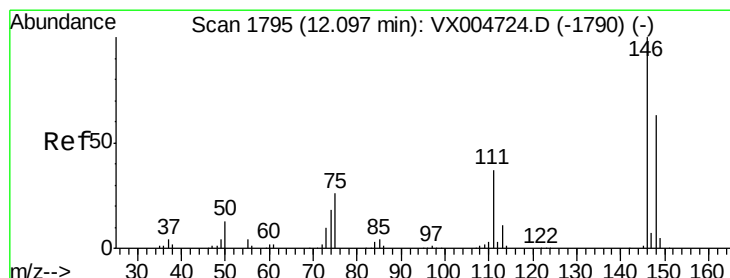
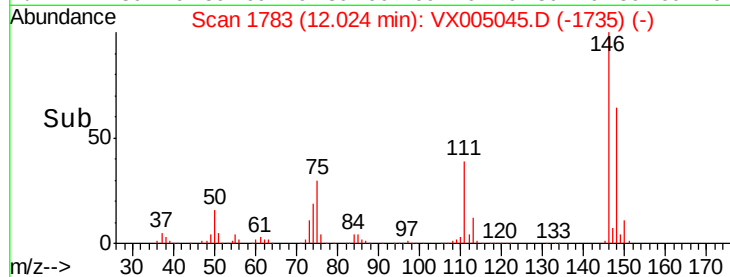
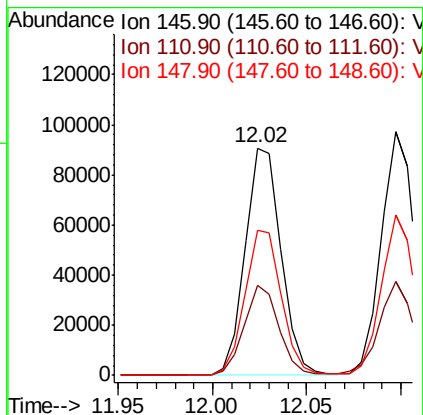
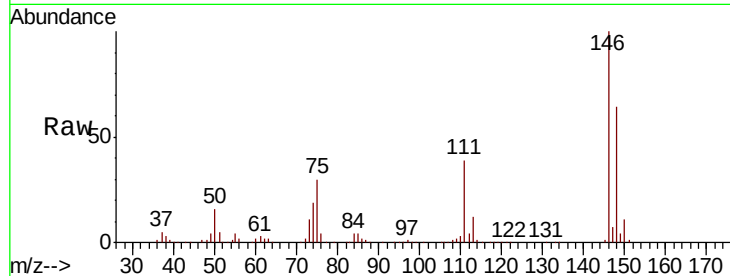
Acq: 05 Oct 2018 04:04

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:146	Resp:	120588
Ion Ratio	Lower	Upper
146	100	
111	38.2	18.9 56.9
148	64.6	31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 19.394 ug/l

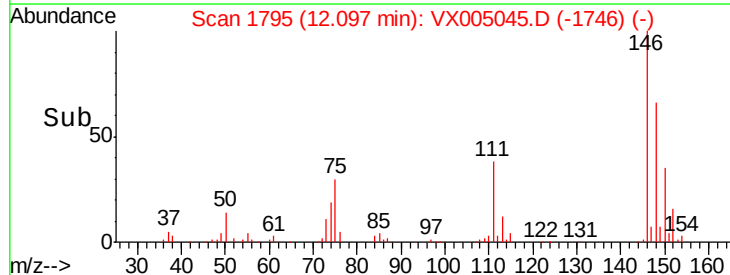
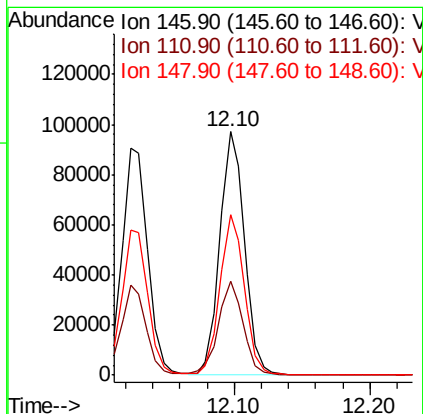
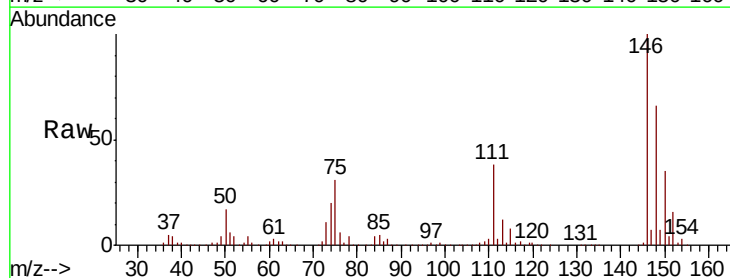
RT: 12.10 min Scan# 1795

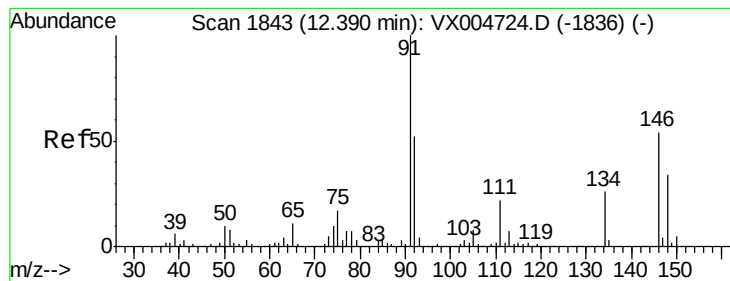
Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Tgt Ion:146	Resp:	122513
Ion Ratio	Lower	Upper
146	100	
111	39.1	18.4 55.2
148	65.5	32.0 96.0





#89

n-Butylbenzene

Concen: 19.011 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Instrument :

MSVOA_X

ClientSampleId :

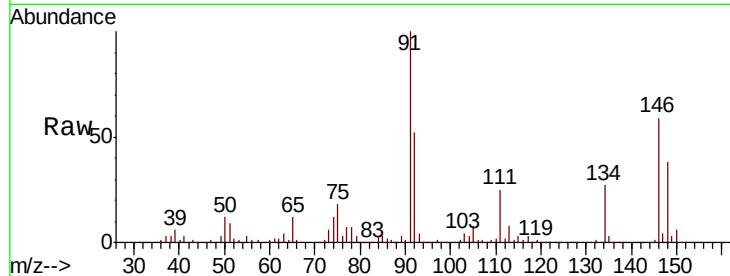
Tot Ion: 91 Resp: 176996

Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.0	78.0
134	26.2	13.2	39.6

91 100

92 51.5 26.0 78.0

134 26.2 13.2 39.6

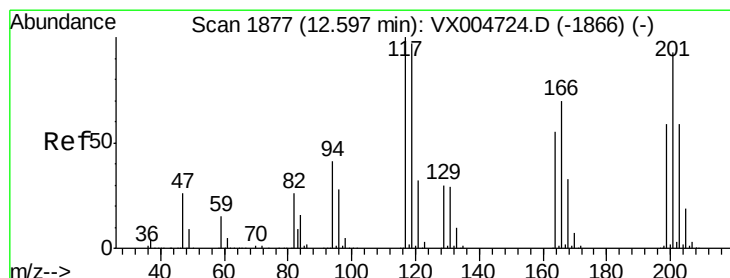
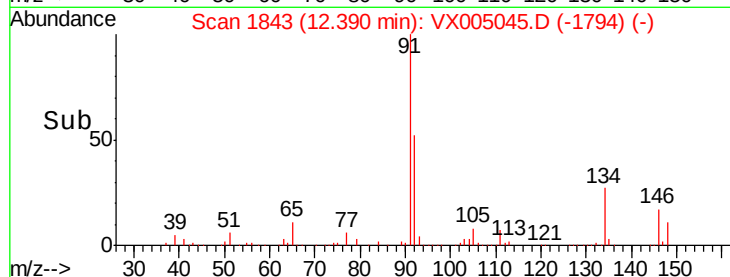
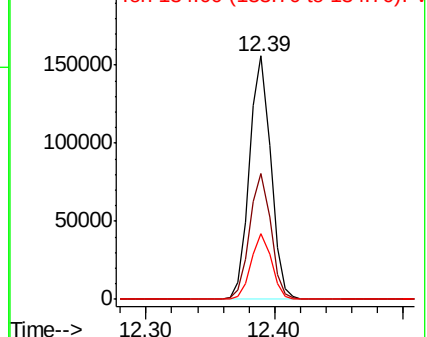


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.102 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX005045.D

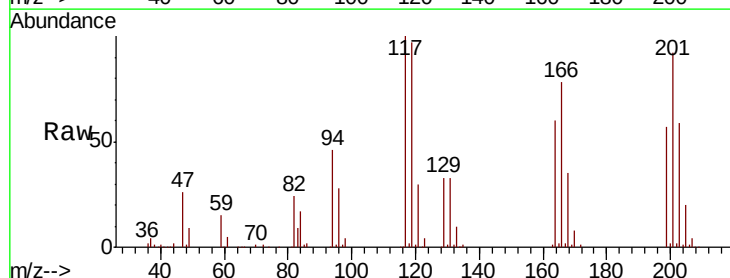
Acq: 05 Oct 2018 04:04

Tgt Ion: 117 Resp: 32605

Ion	Ratio	Lower	Upper
117	100		
201	92.8	48.4	145.0

117 100

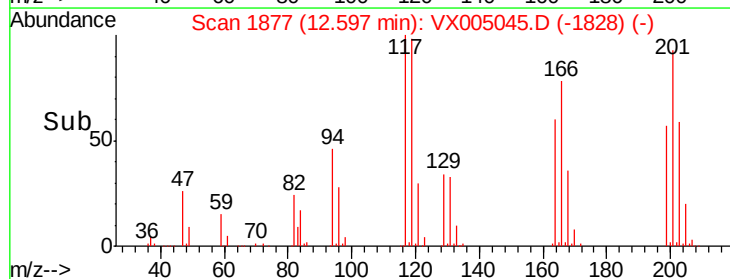
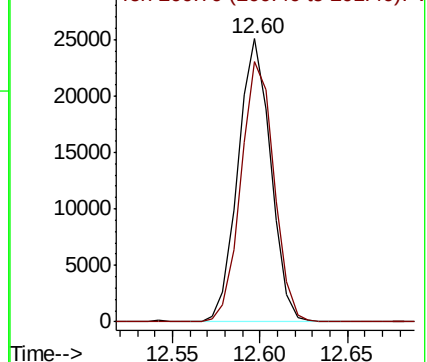
201 92.8 48.4 145.0

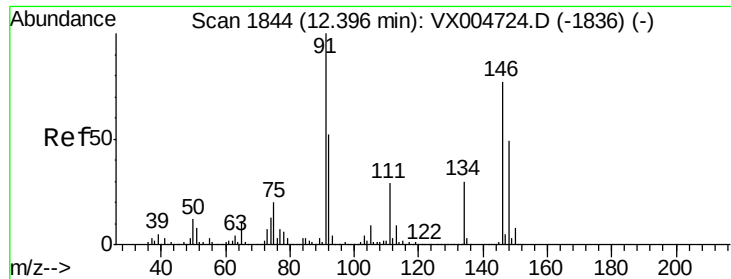


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

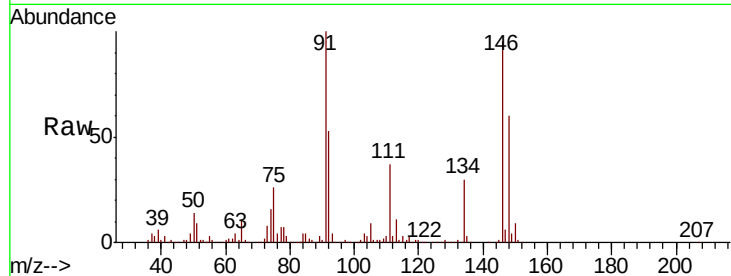




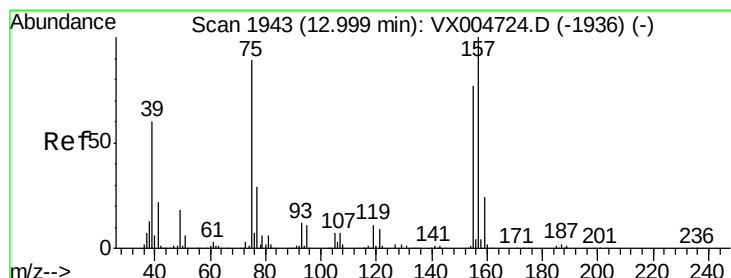
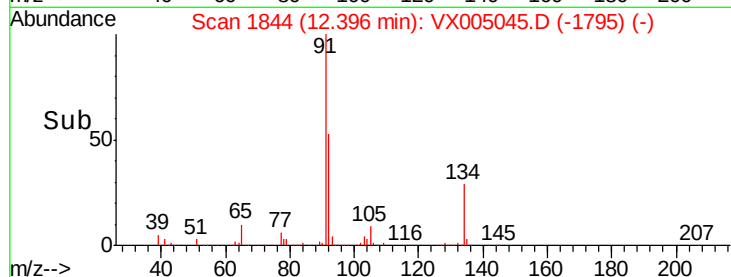
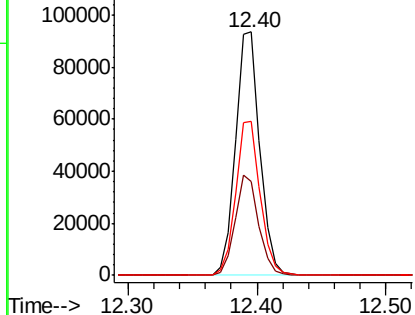
#91
 1,2-Dichlorobenzene
 Concen: 19.222 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: VX005045.D
 Acq: 05 Oct 2018 04:04

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:146 Resp: 122926
 Ion Ratio Lower Upper
 146 100
 111 40.0 19.6 58.7
 148 63.5 31.8 95.4

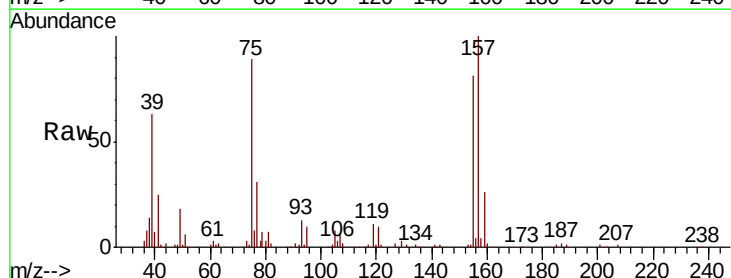


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

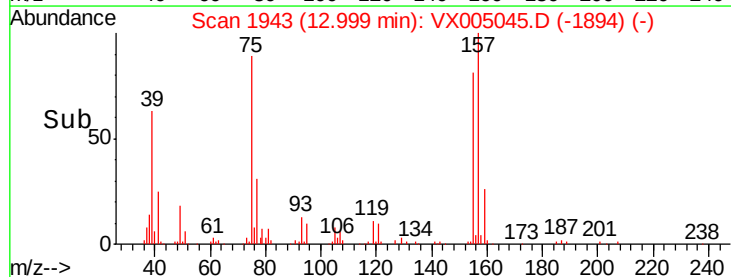
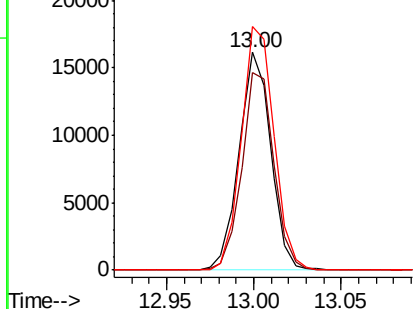


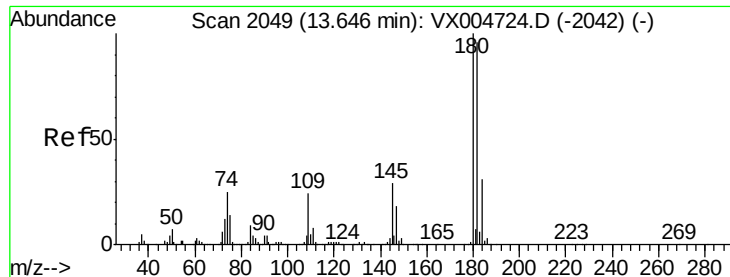
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.163 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX005045.D
 Acq: 05 Oct 2018 04:04

Tgt Ion: 75 Resp: 20334
 Ion Ratio Lower Upper
 75 100
 155 91.7 46.1 138.3
 157 114.8 60.2 180.6



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

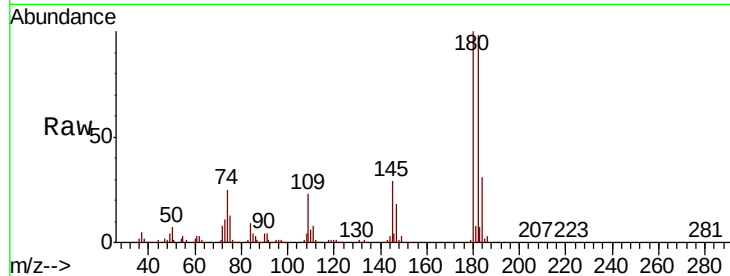




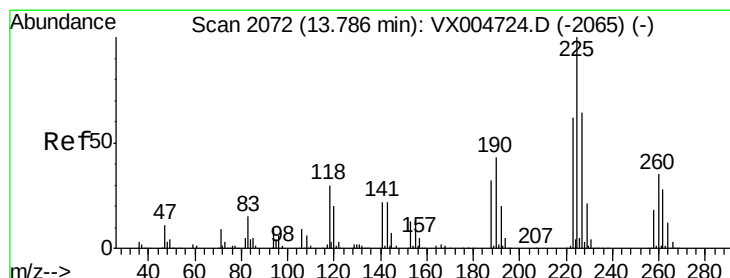
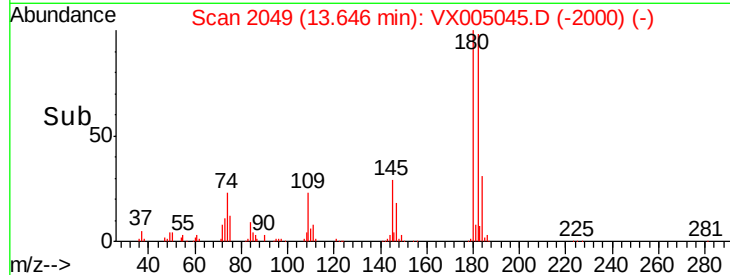
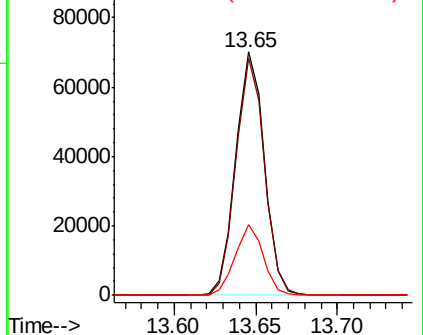
#93
 1,2,4-Trichlorobenzene
 Concen: 19.114 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005045.D
 Acq: 05 Oct 2018 04:04

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.8	143.4
145	28.4	14.1	42.4

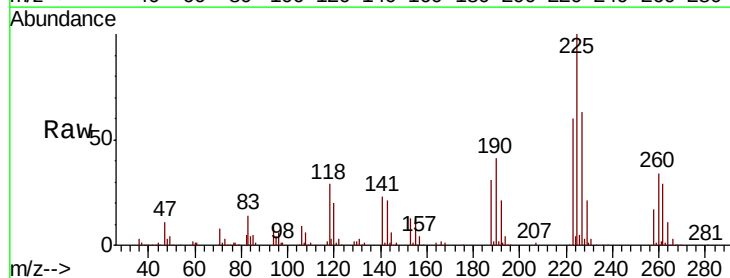


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

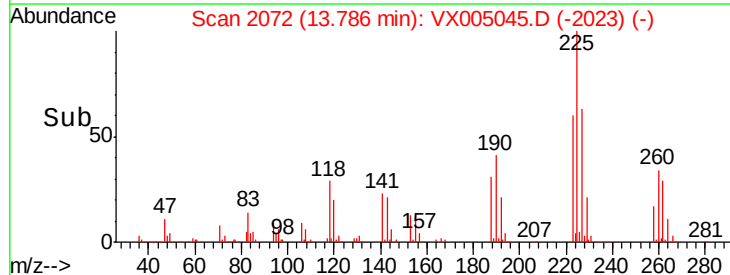
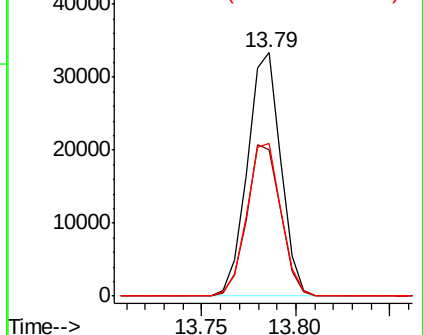


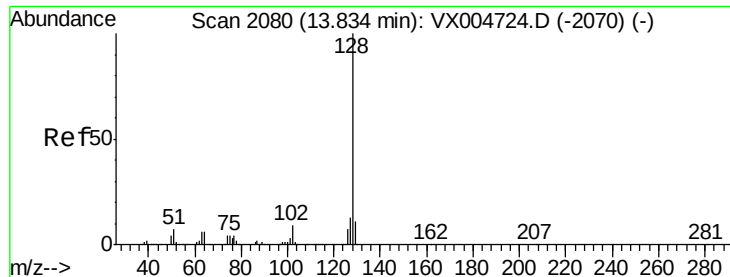
#94
 Hexachlorobutadiene
 Concen: 17.607 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX005045.D
 Acq: 05 Oct 2018 04:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.3	93.8
227	64.3	31.9	95.5



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: 19.243 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

Instrument :

MSVOA_X

ClientSampleId :

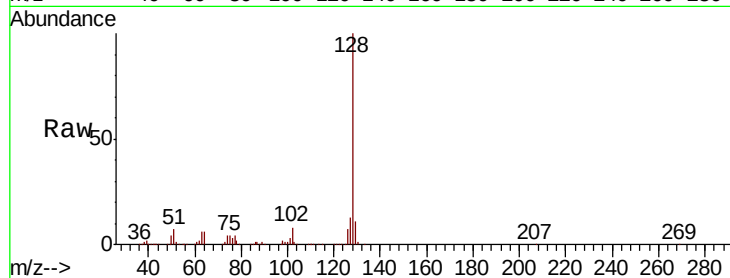
Tot Ion:128 Resp: 279842

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

129 11.0 8.7 13.1

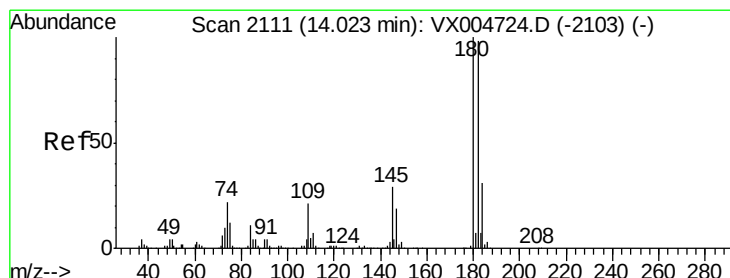
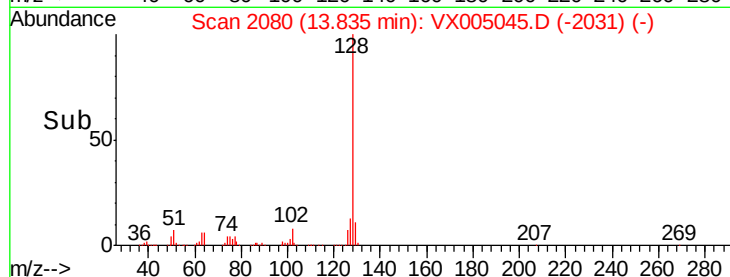
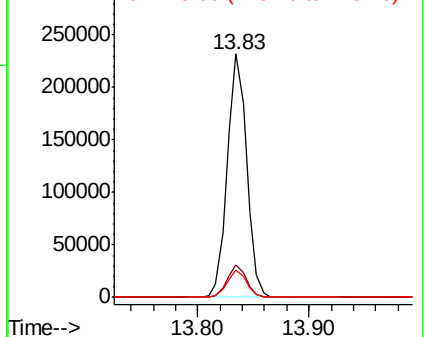


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.776 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX005045.D

Acq: 05 Oct 2018 04:04

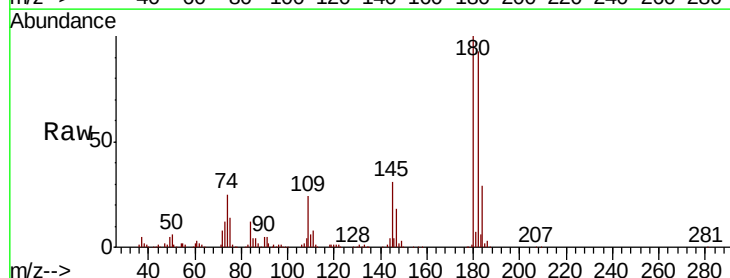
Tgt Ion:180 Resp: 91646

Ion Ratio Lower Upper

180 100

182 94.3 47.9 143.8

145 29.7 15.0 45.0



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

