

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072718\
 Data File : VX003723.D
 Acq On : 27 Jul 2018 20:33
 Operator : JC/SP
 Sample : VSTDCCC020EC
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Jul 28 02:30:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 27 16:17:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	23585	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	117995	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	96188	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	50629	29.24	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.47%
60) 4-Bromofluorobenzene	11.14	95	46874	30.27	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.90%
63) Toluene-d8	8.72	98	133636	30.84	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.80%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	21784	17.49	ug/l	99
3) Chloromethane	1.32	50	29694	17.71	ug/l	98
4) Vinyl Chloride	1.40	62	30708	17.42	ug/l	98
5) Bromomethane	1.64	94	17780	16.87	ug/l	100
6) Chloroethane	1.72	64	20156	17.46	ug/l	97
7) Trichlorofluoromethane	1.93	101	40934	17.26	ug/l	97
8) Diethyl Ether	2.19	74	17793	17.50	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	25476	17.72	ug/l	98
10) 1,1-Dichloroethene	2.37	96	24995	18.49	ug/l	90
11) Methyl Iodide	2.51	142	33343	17.79	ug/l	94
12) Methyl Acetate	2.78	43	44689	17.86	ug/l	93
13) Acrolein	2.30	56	17287	88.59	ug/l	96
14) Acrylonitrile	3.15	53	87313	88.57	ug/l	99
15) Acetone	2.45	58	23281	87.03	ug/l	70
16) Carbon Disulfide	2.57	76	65086	17.33	ug/l	100
17) Allyl chloride	2.73	41	47339	16.92	ug/l	91
18) Methylene Chloride	2.86	84	29582	18.47	ug/l	88
19) trans-1,2-Dichloroethene	3.17	96	26396	18.06	ug/l	95
20) Diisopropyl ether	3.88	45	91826	17.87	ug/l	97
21) 1,1-Dichloroethane	3.70	63	51323	17.64	ug/l	98
22) cis-1,2-Dichloroethene	4.60	96	29682	20.11	ug/l #	78
23) tert-Butyl Alcohol	3.08	59	36981	89.30	ug/l #	100
24) Methyl tert-Butyl Ether	3.21	73	86526	17.84	ug/l #	90
25) Chloroform	5.22	83	49615	19.69	ug/l	99
26) Cyclohexane	5.57	56	43434	19.87	ug/l #	96
29) 1,1-Dichloropropene	5.80	75	35983	20.65	ug/l	98
30) 2-Butanone	4.71	43	115565	103.86	ug/l	95
31) 2,2-Dichloropropane	4.58	77	33001	19.55	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	40906	20.52	ug/l	99
33) Carbon Tetrachloride	5.78	117	35747	20.63	ug/l	98
34) Benzene	6.15	78	113567	21.21	ug/l	97
35) Methacrylonitrile	5.07	41	24417	21.12	ug/l	91
36) 1,2-Dichloroethane	6.20	62	39187	20.37	ug/l	96
37) Trichloroethene	7.22	130	27347	19.60	ug/l	92
38) Methylcyclohexane	7.46	83	33640	16.99	ug/l	99
39) 1,2-Dichloropropane	7.52	63	24776	17.51	ug/l	96
40) Dibromomethane	7.67	93	15956	17.43	ug/l	96

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 27 16:17:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	29856	17.07	ug/l	98
42) Vinyl Acetate	3.83	43	383367	89.66	ug/l	98
43) Ethyl Acetate	4.87	43	43603	20.98	ug/l	95
44) Isopropyl Acetate	6.47	43	64955	20.38	ug/l	96
45) 1,4-Dioxane	7.76	88	12372	349.45	ug/l #	88
46) Methyl methacrylate	7.78	41	29186	17.75	ug/l	94
47) n-amyl Acetate	10.90	43	50354	16.73	ug/l #	89
48) t-1,3-Dichloropropene	8.44	75	35609	16.78	ug/l	99
49) cis-1,3-Dichloropropene	9.05	75	32536	16.34	ug/l	94
50) 1,1,2-Trichloroethane	9.22	97	24493	16.85	ug/l	99
51) Ethyl methacrylate	9.18	69	35777	16.35	ug/l	90
52) 1,3-Dichloropropane	9.38	76	41609	17.20	ug/l	100
53) Dibromochloromethane	9.59	129	22926	16.06	ug/l	99
54) 1,2-Dibromoethane	9.68	107	25218	16.59	ug/l	100
55) 2-Chloroethyl vinyl ether	8.32	63	95739	84.82	ug/l	99
56) Bromoform	10.86	173	17141	15.47	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	196045	107.94	ug/l	96
59) 2-Hexanone	9.50	43	150718	104.22	ug/l	97
61) Tetrachloroethene	9.34	164	22169	19.80	ug/l	96
62) Toluene	8.79	91	103486	20.73	ug/l	99
64) Chlorobenzene	10.14	112	64722	20.06	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	22861	20.03	ug/l	98
66) Ethyl Benzene	10.26	91	109421	19.92	ug/l	99
67) m/p-Xylenes	10.36	106	85658	40.48	ug/l	100
68) o-Xylene	10.70	106	40566	20.04	ug/l	99
69) Styrene	10.71	104	68344	19.94	ug/l	99
70) Isopropylbenzene	11.02	105	111929	20.08	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.27	83	41565	20.89	ug/l	98
72) 1,2,3-Trichloropropane	11.30	75	45485	27.48	ug/l	94
73) Bromobenzene	11.26	156	29897	19.90	ug/l	98
74) n-propylbenzene	11.36	91	136664	20.82	ug/l	99
75) 2-Chlorotoluene	11.42	91	80842	20.89	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	96880	20.48	ug/l	100
77) t-1,4-Dichloro-2-butene	11.08	75	10208	18.10	ug/l	90
78) 4-Chlorotoluene	11.51	91	93246	20.60	ug/l	100
79) tert-butylbenzene	12.07	119	95920	19.71	ug/l	100
80) 1,2,4-Trimethylbenzene	11.81	105	101803	21.03	ug/l	99
81) sec-Butylbenzene	11.95	105	114292	20.75	ug/l	98
82) p-Isopropyltoluene	12.07	119	95920	19.71	ug/l	100
83) 1,3-Dichlorobenzene	12.03	146	54533	19.88	ug/l	100
84) 1,4-Dichlorobenzene	12.10	146	54431	19.71	ug/l	100
85) n-Butylbenzene	12.39	91	84063	19.46	ug/l	98
86) Hexachloroethane	12.60	117	15157	19.33	ug/l	93
87) 1,2-Dichlorobenzene	12.40	146	55015	19.98	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.01	75	8416	20.04	ug/l	96
89) 1,2,4-Trichlorobenzene	13.65	180	40063	20.72	ug/l	99
90) Hexachlorobutadiene	13.79	225	19735	22.52	ug/l	99
91) Naphthalene	13.83	128	128374	21.72	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	39832	20.23	ug/l	99

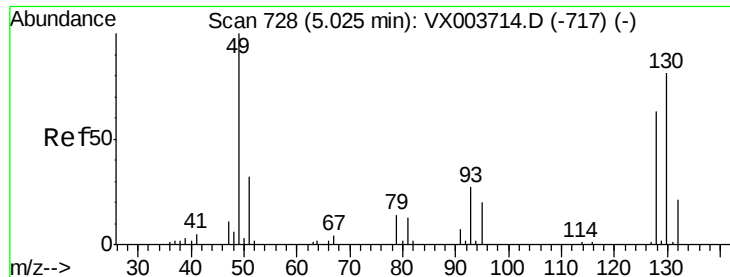
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.03 min Scan# 728

Delta R.T. 0.00 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

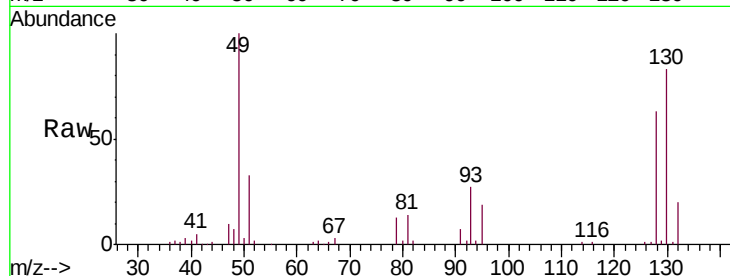
Tot Ion:128 Resp: 23585

Ion Ratio Lower Upper

128 100

49 163.7 0.0 423.0

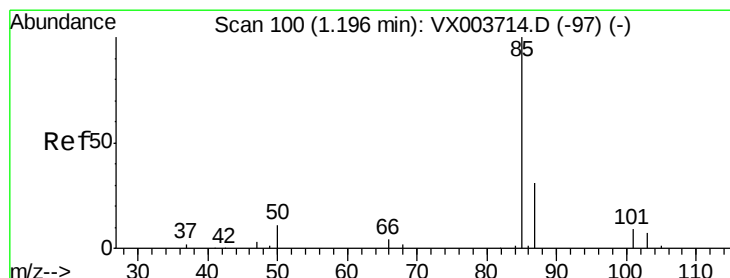
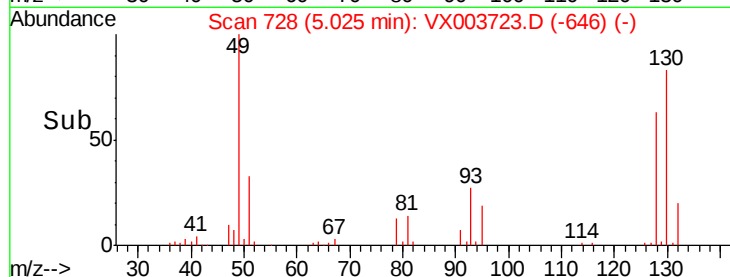
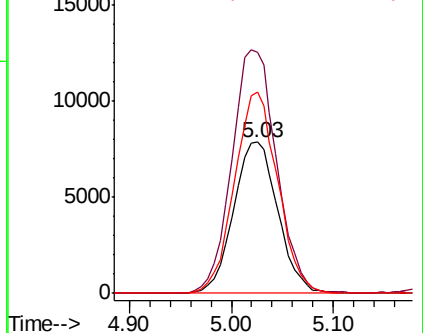
130 130.5 0.0 324.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 17.49 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003723.D

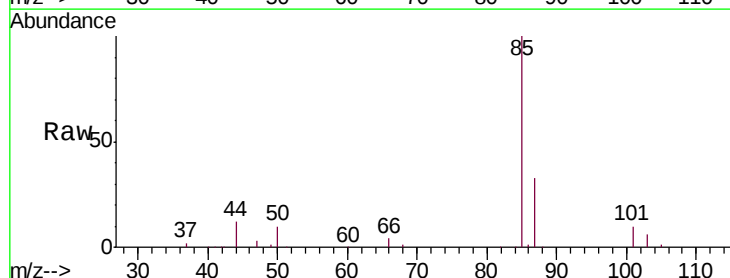
Acq: 27 Jul 2018 20:33

Tgt Ion: 85 Resp: 21784

Ion Ratio Lower Upper

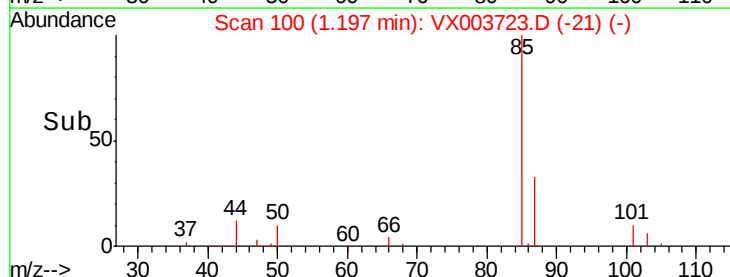
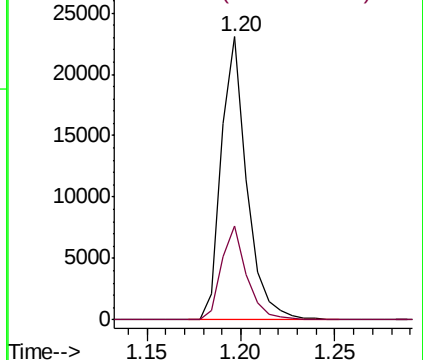
85 100

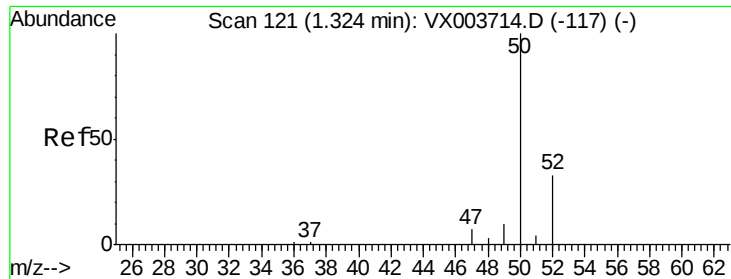
87 33.0 16.2 48.5



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 17.71 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

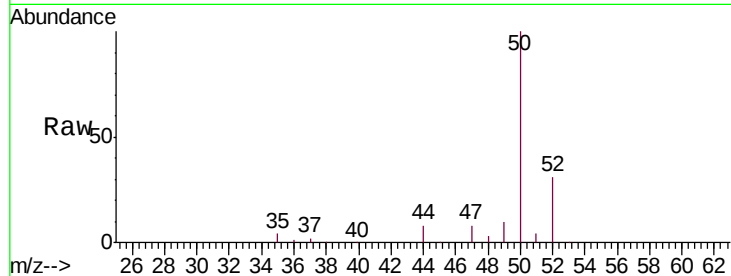
VSTDCCC020EC

Tot Ion: 50 Resp: 29694

Ion Ratio Lower Upper

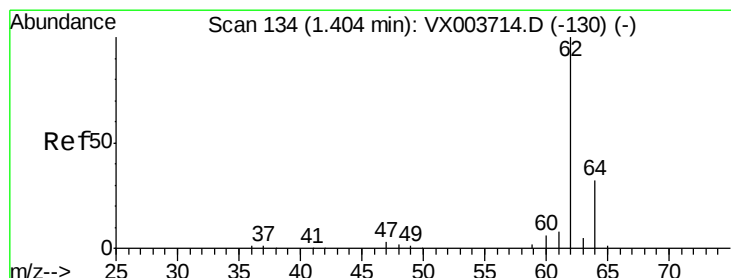
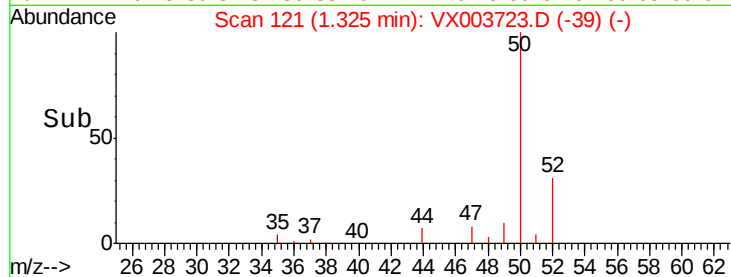
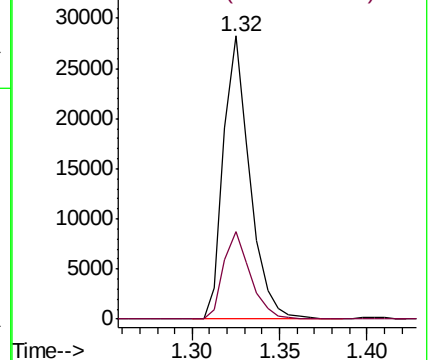
50 100

52 30.8 25.6 38.4



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 17.42 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003723.D

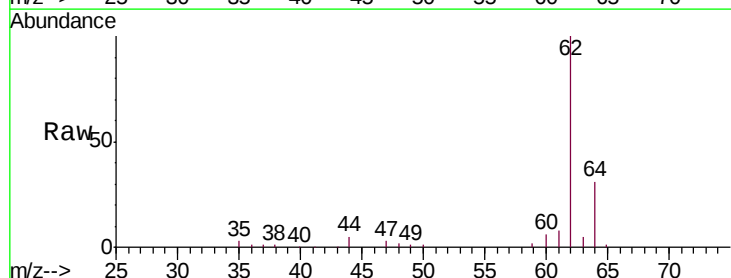
Acq: 27 Jul 2018 20:33

Tgt Ion: 62 Resp: 30708

Ion Ratio Lower Upper

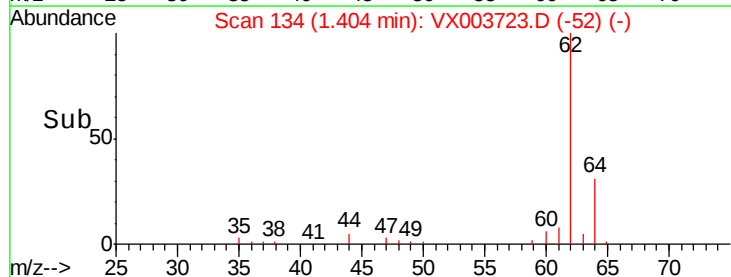
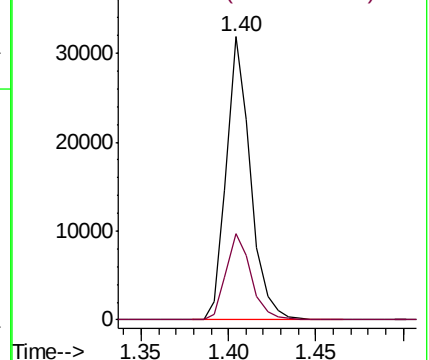
62 100

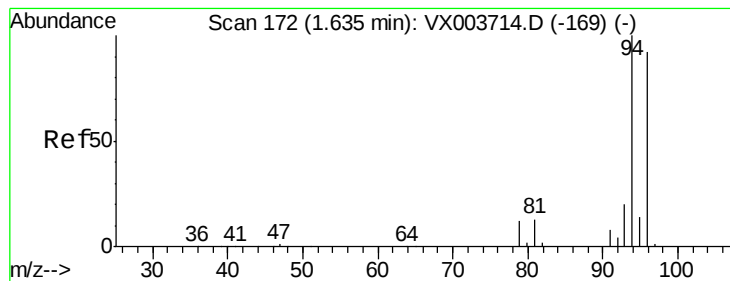
64 30.7 25.3 37.9



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 16.87 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

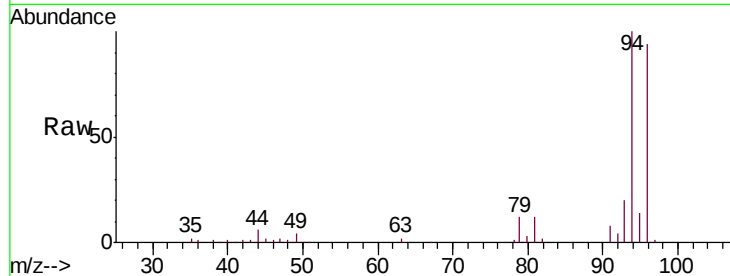
VSTDCCC020EC

Tot Ion: 94 Resp: 17780

Ion Ratio Lower Upper

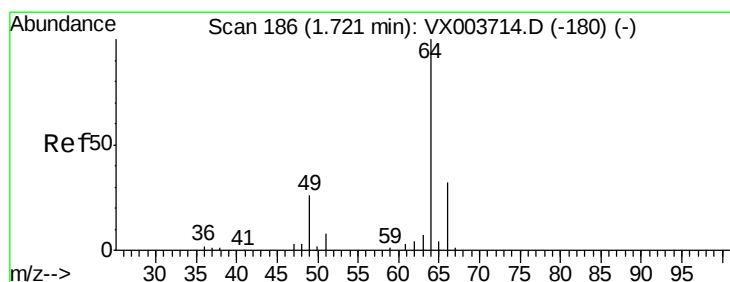
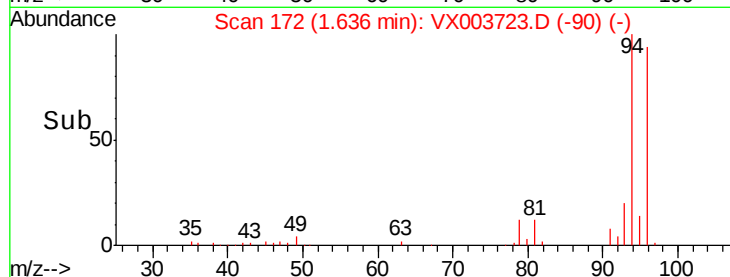
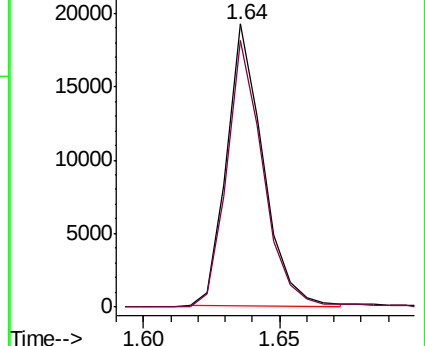
94 100

96 94.3 75.7 113.5



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 17.46 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX003723.D

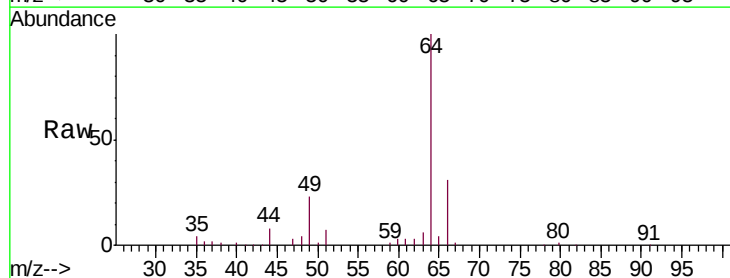
Acq: 27 Jul 2018 20:33

Tgt Ion: 64 Resp: 20156

Ion Ratio Lower Upper

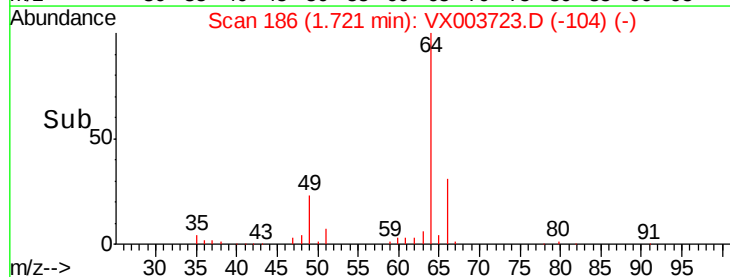
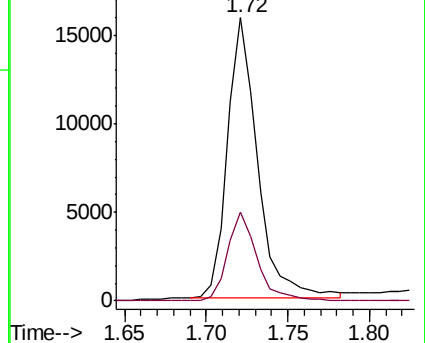
64 100

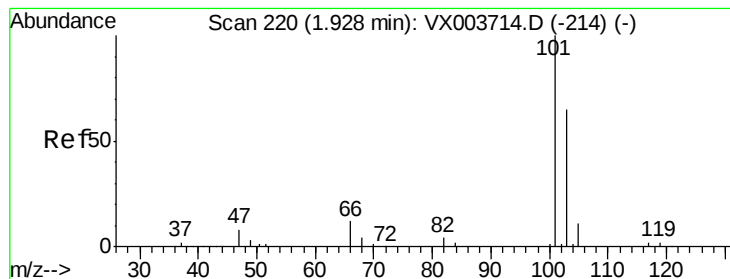
66 31.8 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



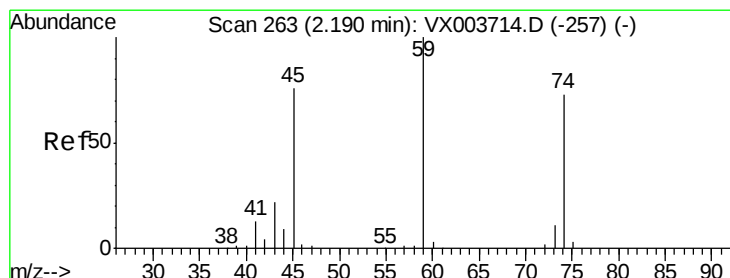
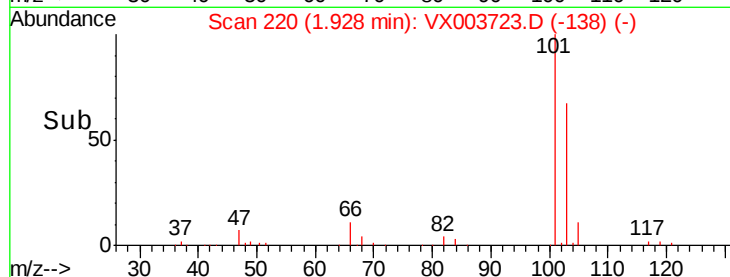
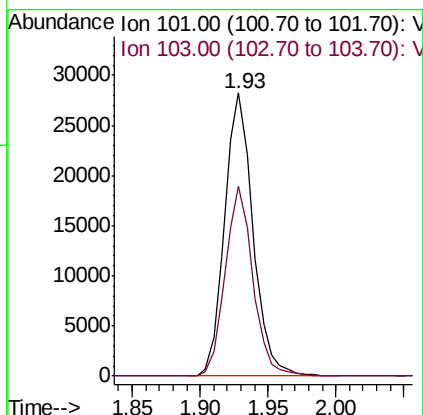
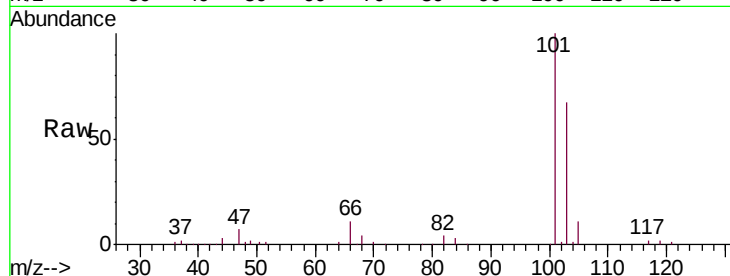


#7

Trichlorofluoromethane
 Concen: 17.26 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

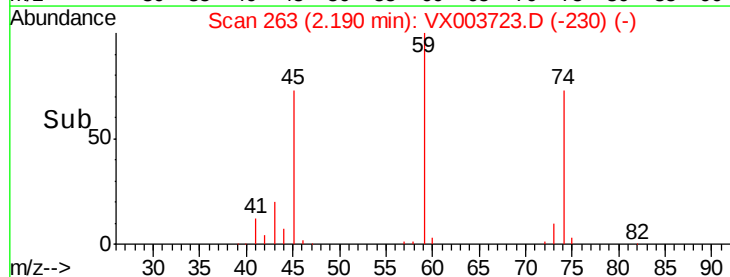
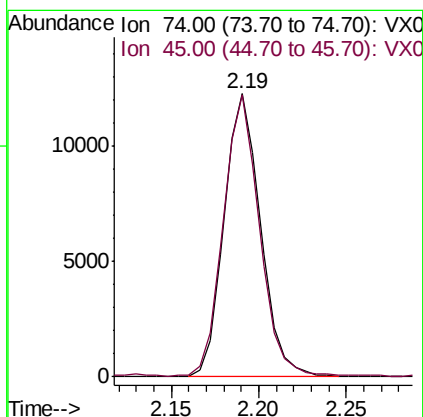
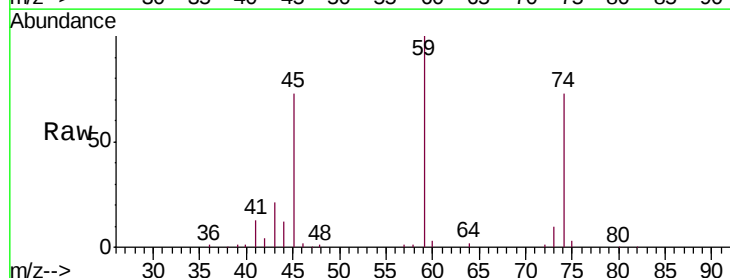
Tot Ion:101 Resp: 40934
 Ion Ratio Lower Upper
 101 100
 103 67.1 51.5 77.3

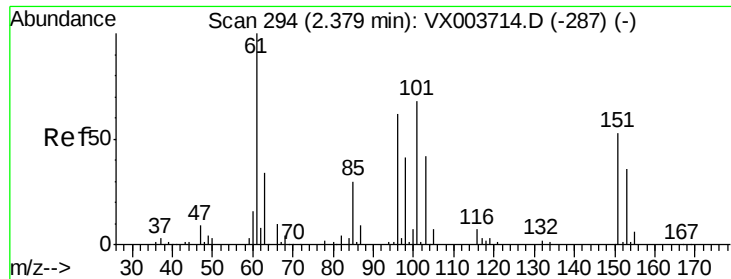


#8

Diethyl Ether
 Concen: 17.50 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Tgt Ion: 74 Resp: 17793
 Ion Ratio Lower Upper
 74 100
 45 99.7 20.5 184.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.72 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

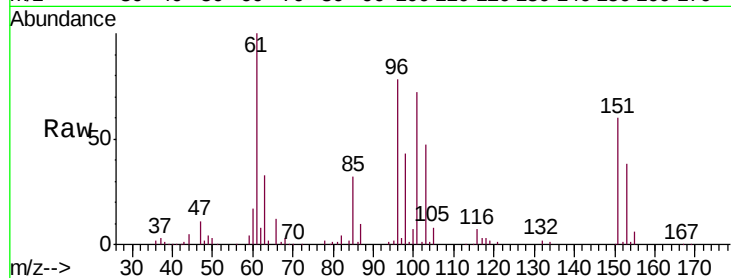
Tot Ion:101 Resp: 25476

Ion Ratio Lower Upper

101 100

85 43.1 0.0 87.0

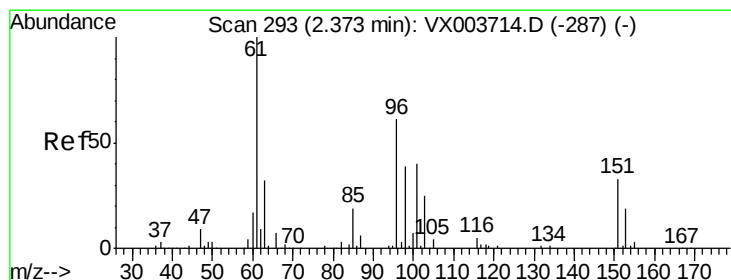
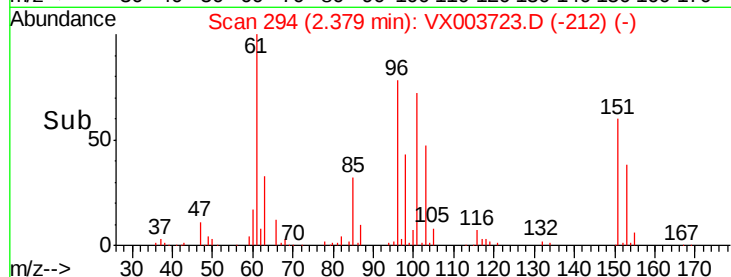
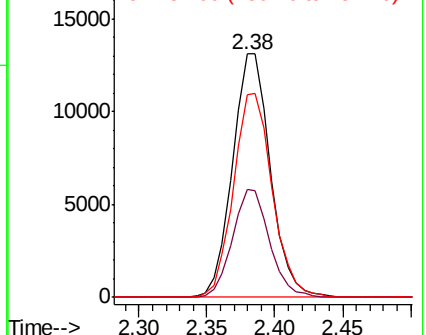
151 85.6 0.0 177.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 18.49 ug/l

RT: 2.37 min Scan# 293

Delta R.T. 0.00 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

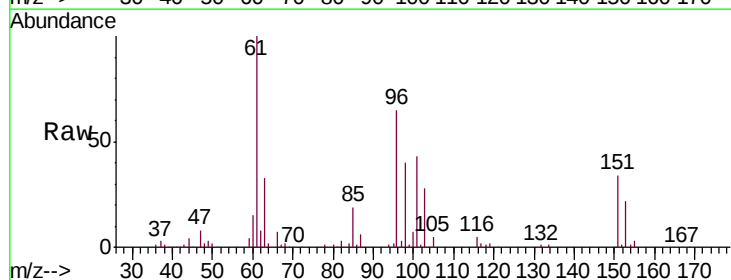
Tgt Ion: 96 Resp: 24995

Ion Ratio Lower Upper

96 100

61 154.9 137.5 206.3

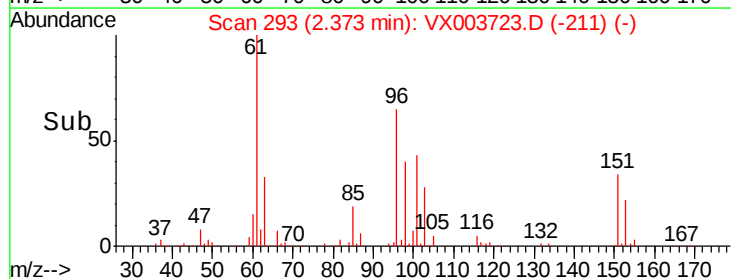
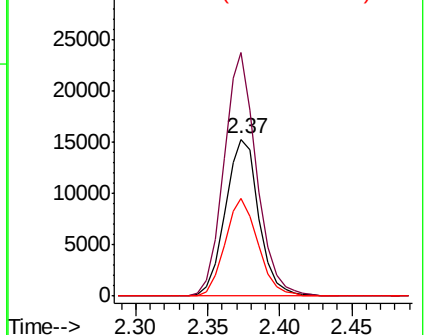
98 62.0 51.4 77.2

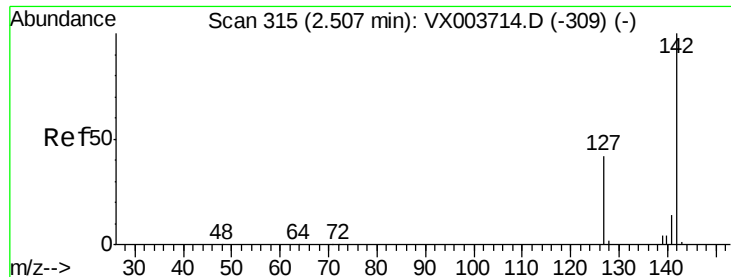


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

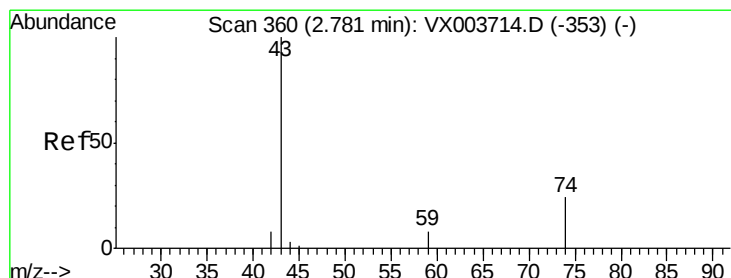
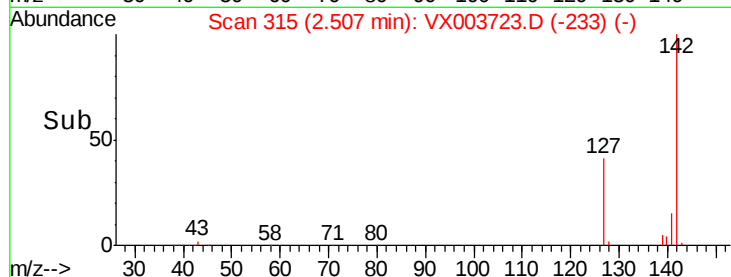
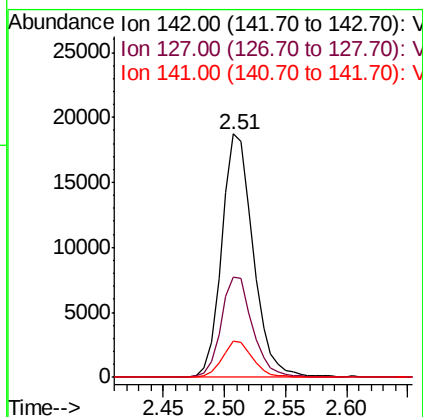
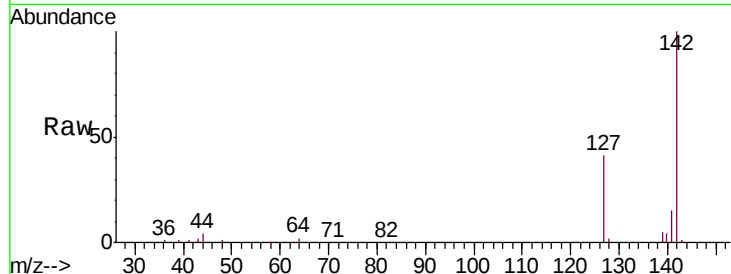




#11
Methyl Iodide
Concen: 17.79 ug/l
RT: 2.51 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

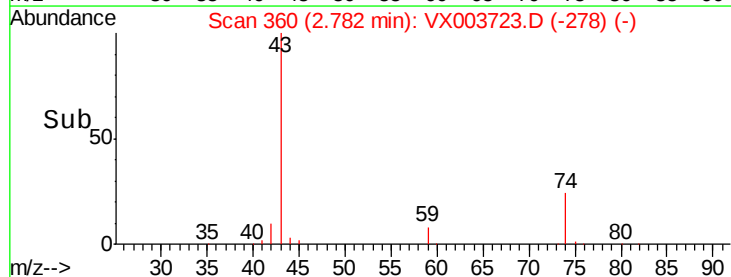
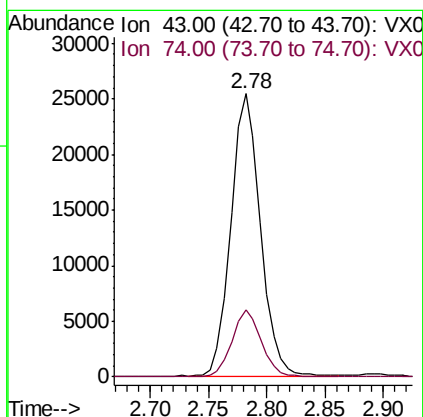
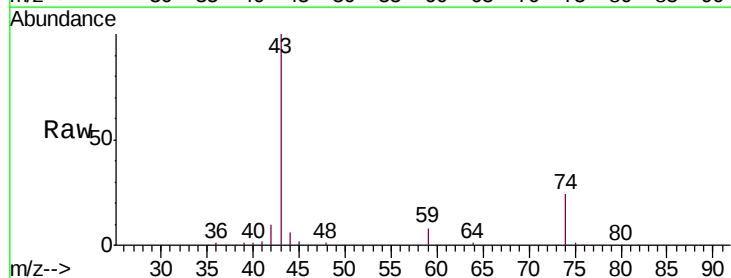
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

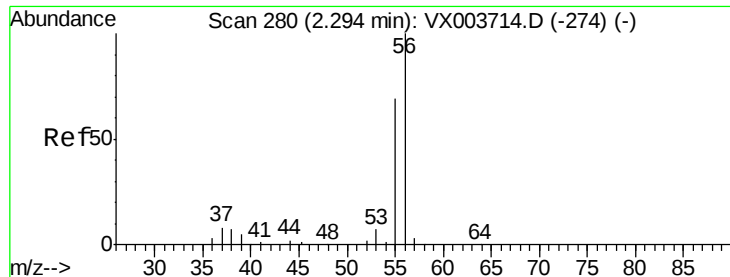
Tot Ion:142 Resp: 33343
Ion Ratio Lower Upper
142 100
127 41.3 23.2 69.6
141 14.8 7.4 22.2



#12
Methyl Acetate
Concen: 17.86 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Tgt Ion: 43 Resp: 44689
Ion Ratio Lower Upper
43 100
74 23.9 16.4 24.6





#13

Acrolein

Concen: 88.59 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

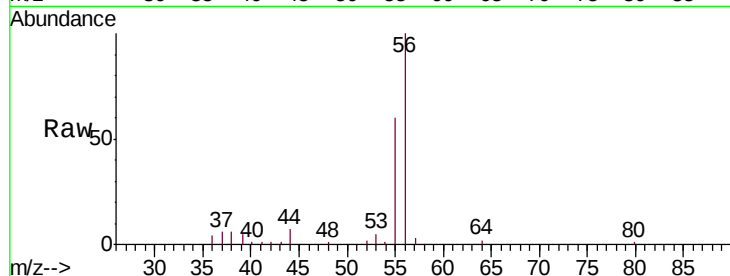
VSTDCCC020EC

Tot Ion: 56 Resp: 17287

Ion Ratio Lower Upper

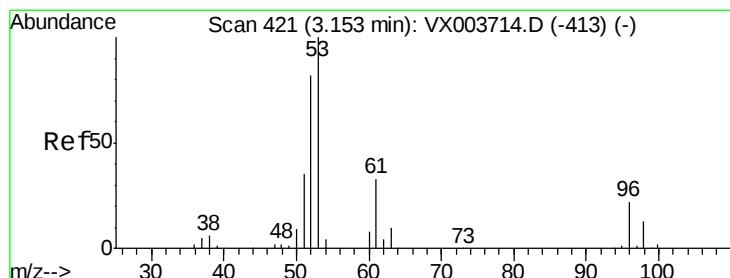
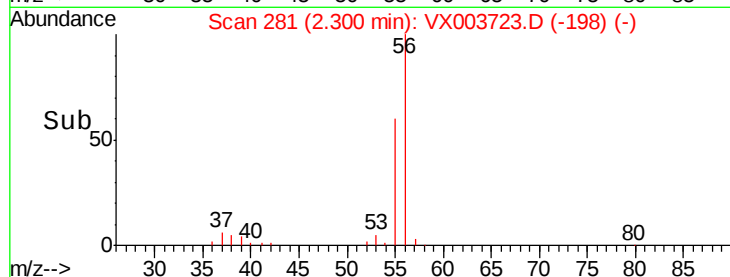
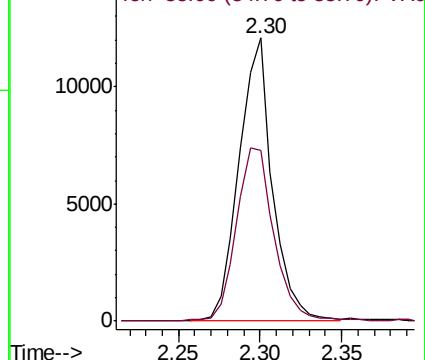
56 100

55 68.4 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 88.57 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

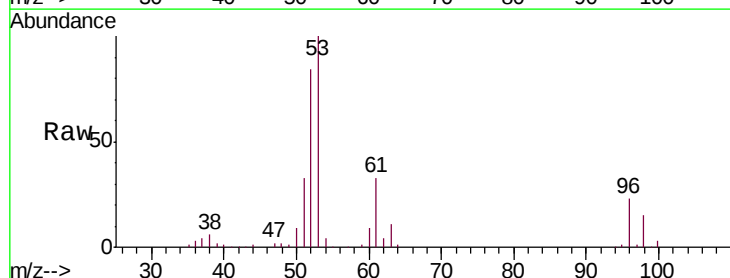
Tgt Ion: 53 Resp: 87313

Ion Ratio Lower Upper

53 100

52 81.8 41.5 124.6

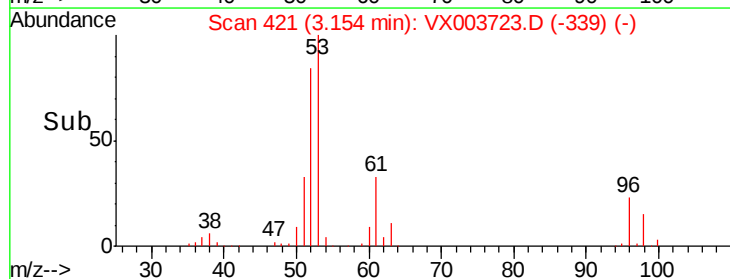
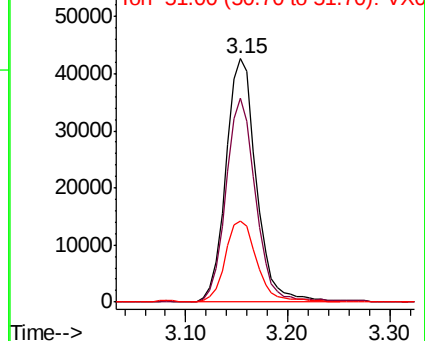
51 35.1 17.9 53.8

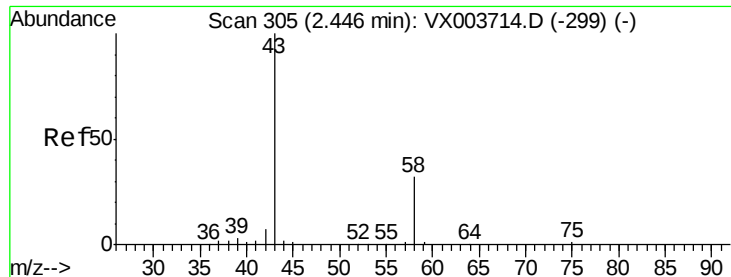


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 87.03 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

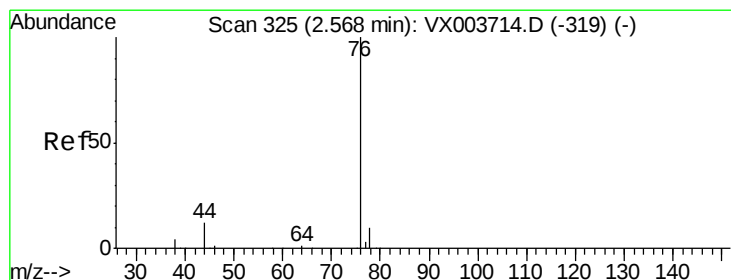
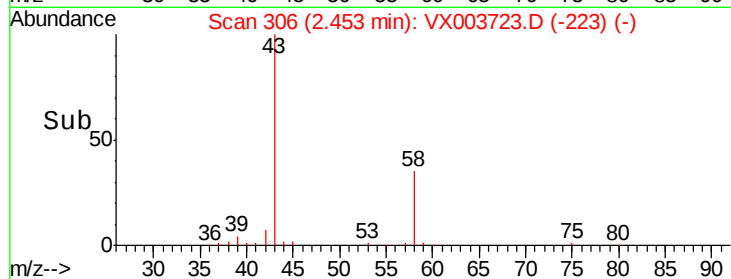
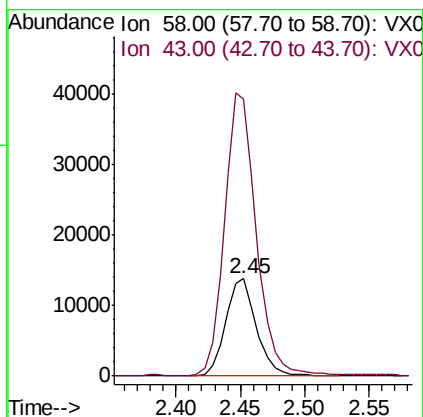
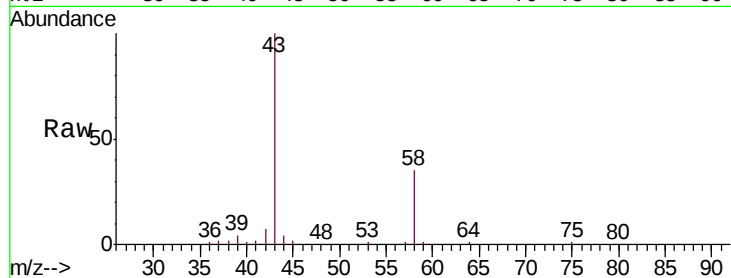
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion: 58 Resp: 23281

Ion Ratio Lower Upper

58 100

43 283.9 278.8 418.2



#16

Carbon Disulfide

Concen: 17.33 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003723.D

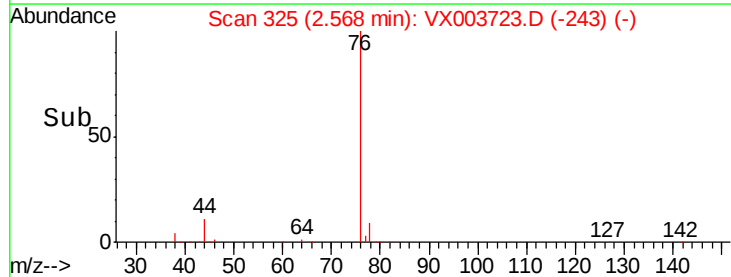
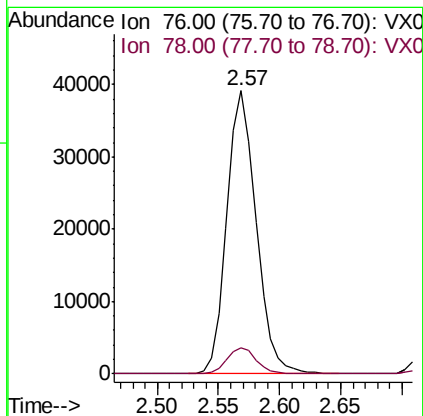
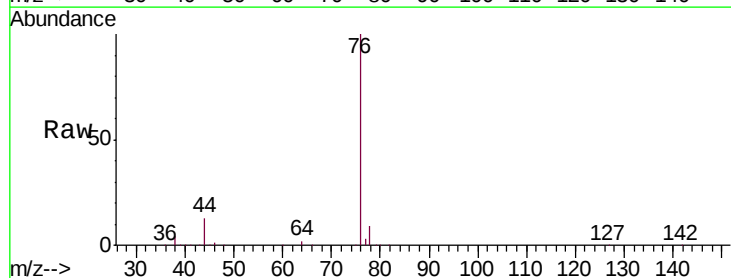
Acq: 27 Jul 2018 20:33

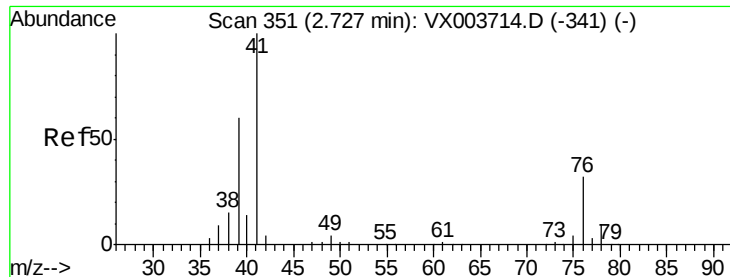
Tgt Ion: 76 Resp: 65086

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

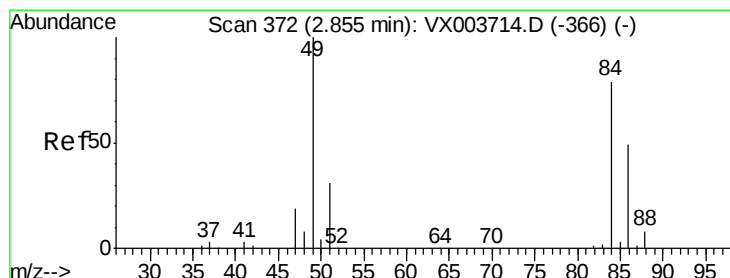
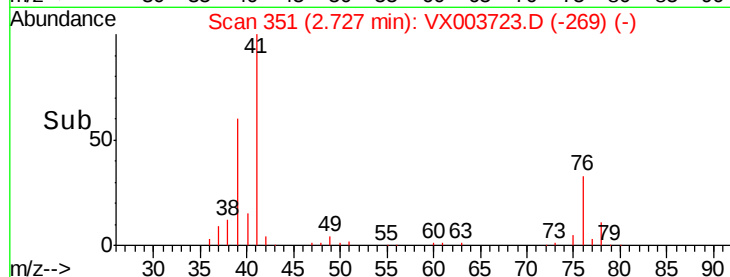
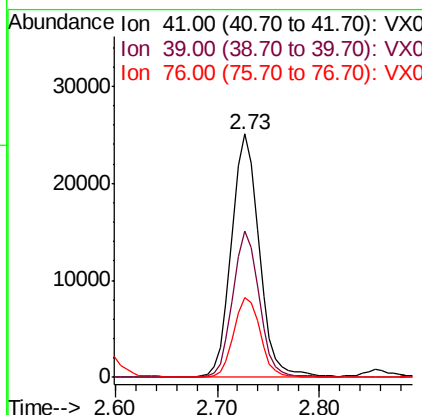
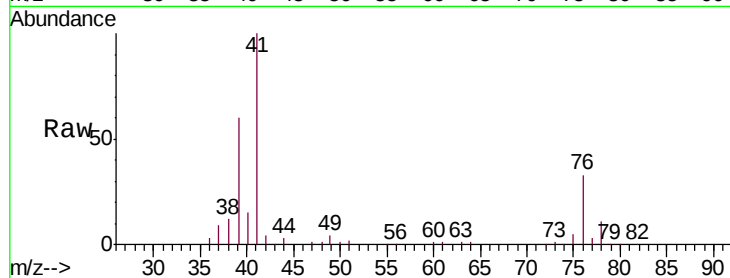




#17
Allvl chloride
Concen: 16.92 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

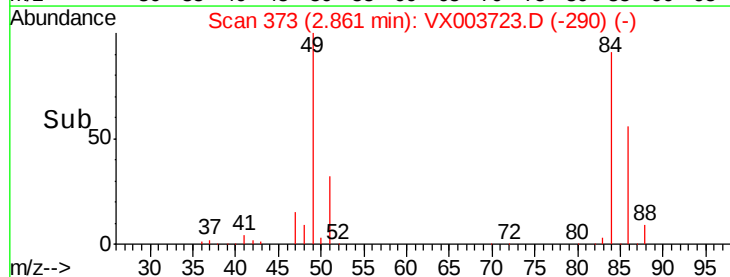
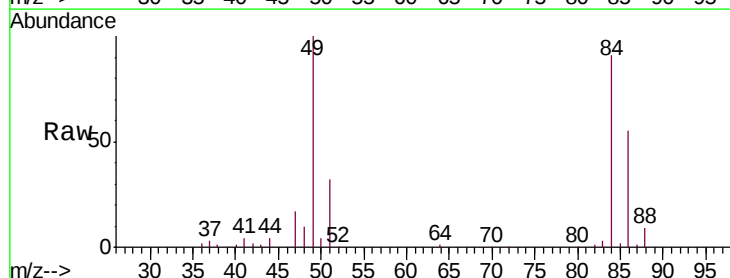
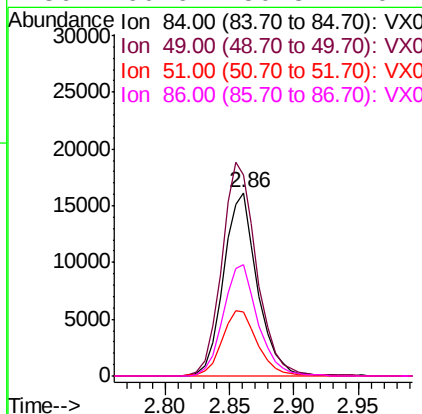
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

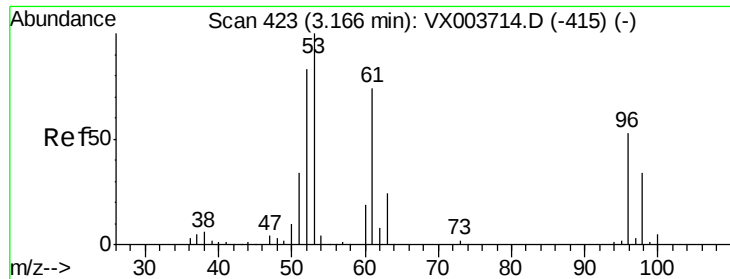
Tot Ion: 41 Resp: 47339
Ion Ratio Lower Upper
41 100
39 60.2 34.6 103.8
76 32.6 15.0 45.1



#18
Methylene Chloride
Concen: 18.47 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Tgt Ion: 84 Resp: 29582
Ion Ratio Lower Upper
84 100
49 109.6 104.7 157.1
51 34.8 31.0 46.4
86 60.6 50.8 76.2

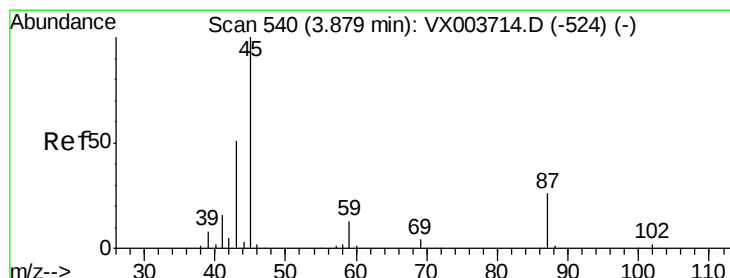
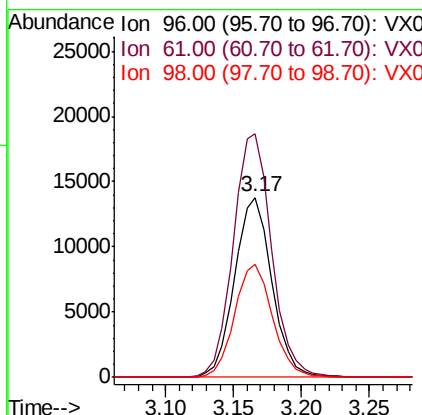
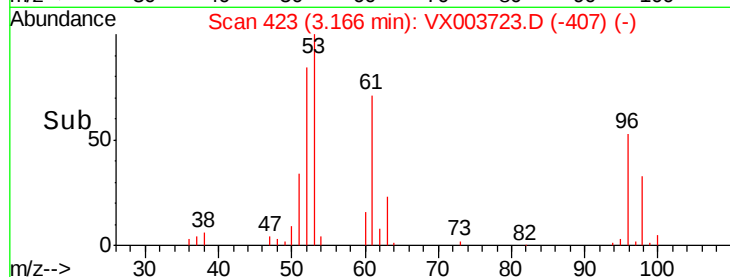
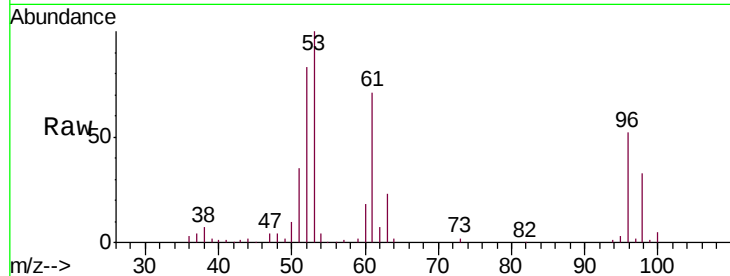




#19
trans-1,2-Dichloroethene
Concen: 18.06 ug/l
RT: 3.17 min Scan# 423
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

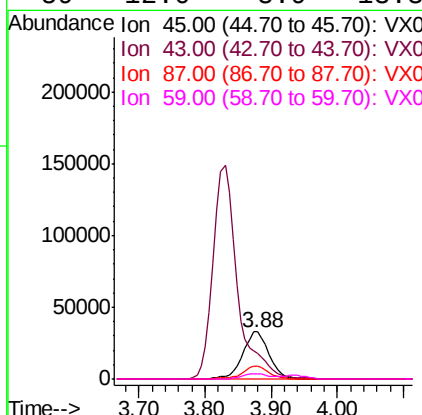
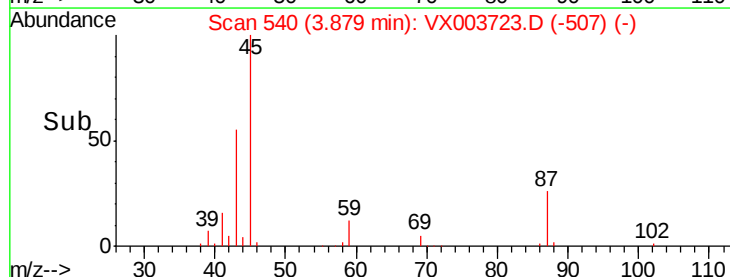
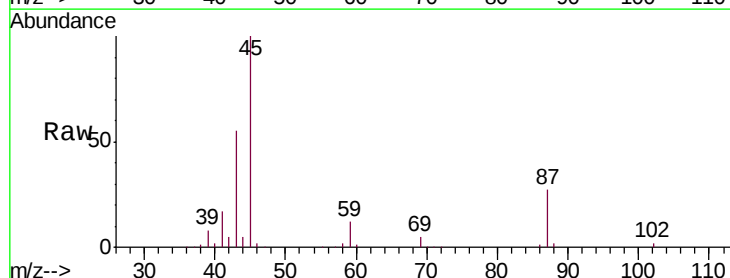
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

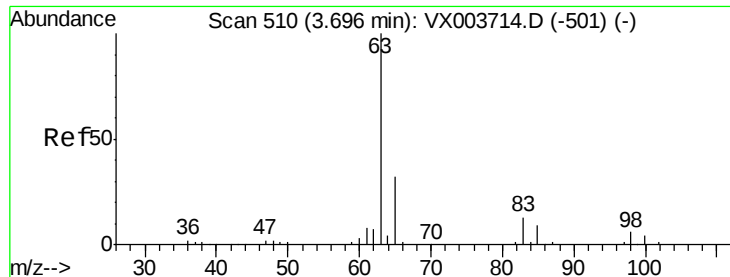
Tot Ion: 96 Resp: 26396
Ion Ratio Lower Upper
96 100
61 135.3 114.6 172.0
98 62.8 51.3 76.9



#20
Diisopropyl ether
Concen: 17.87 ug/l
RT: 3.88 min Scan# 540
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Tgt Ion: 45 Resp: 91826
Ion Ratio Lower Upper
45 100
43 54.6 45.6 68.4
87 27.0 20.7 31.1
59 12.0 8.9 13.3





#21

1,1-Dichloroethane

Concen: 17.64 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

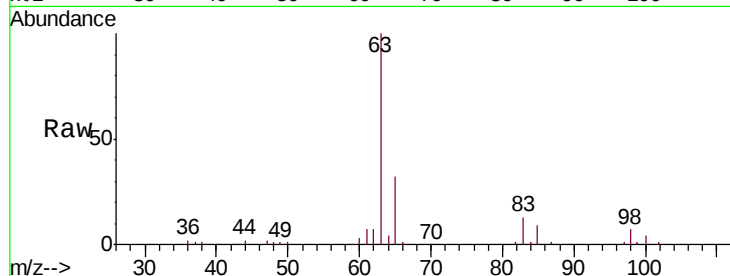
Tot Ion: 63 Resp: 51323

Ion Ratio Lower Upper

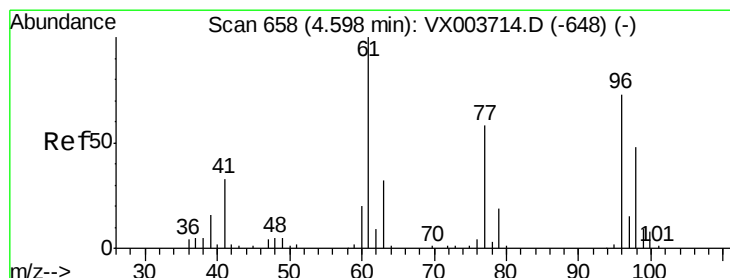
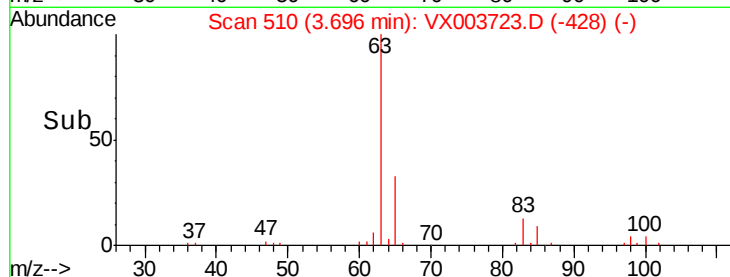
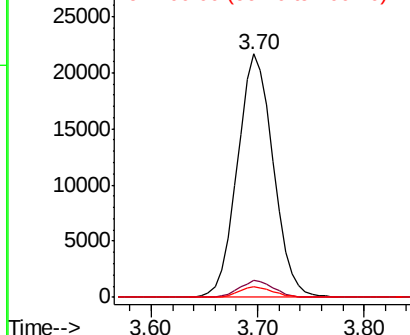
63 100

98 7.2 3.1 9.3

100 4.3 2.2 6.6



Abundance Ion 63.00 (62.70 to 63.70): VX0
Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 20.11 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

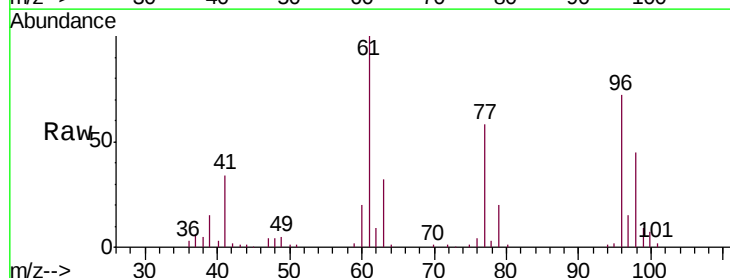
Tgt Ion: 96 Resp: 29682

Ion Ratio Lower Upper

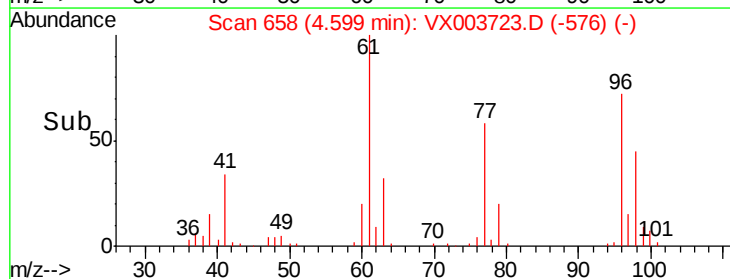
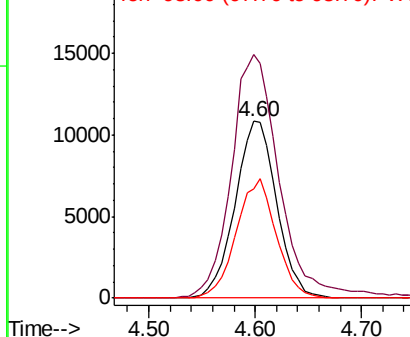
96 100

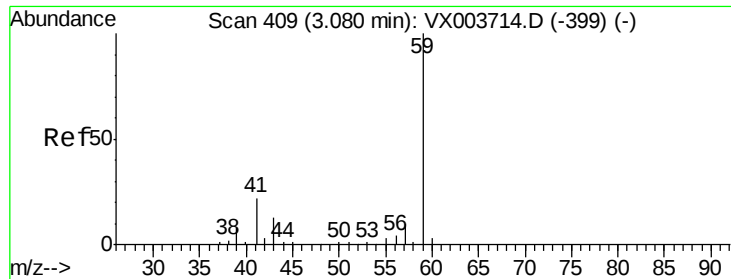
61 156.9 160.2 240.2#

98 64.9 54.1 81.1



Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 98.00 (97.70 to 98.70): VX0



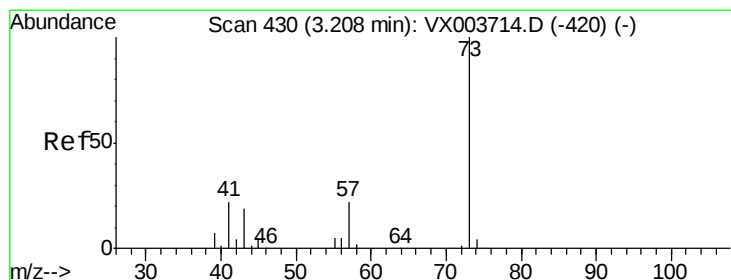
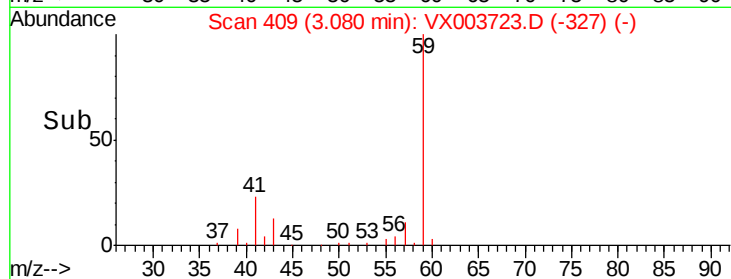
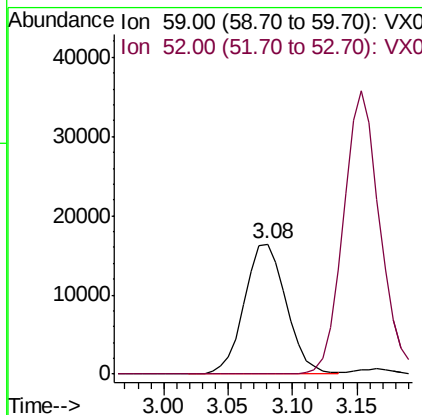
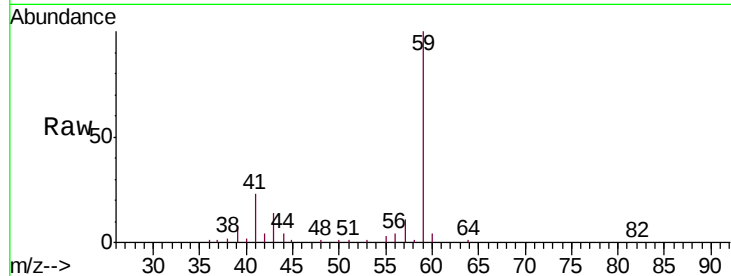


#23

tert-Butyl Alcohol
 Concen: 89.30 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

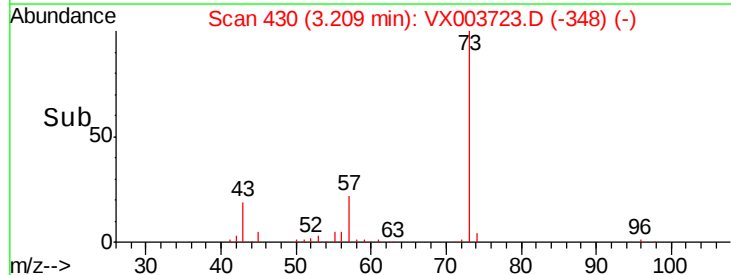
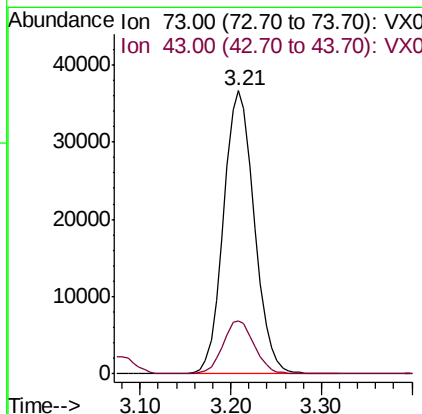
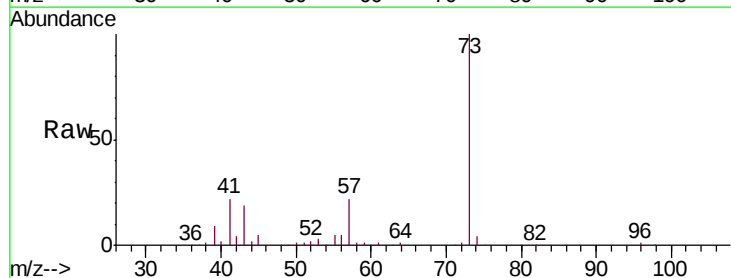
Tot Ion: 59 Resp: 36981
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.2 0.2#

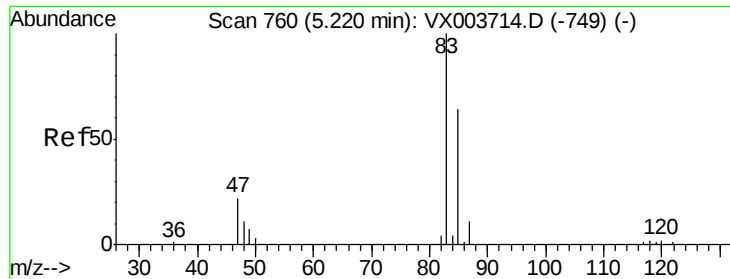


#24

Methyl tert-Butyl Ether
 Concen: 17.84 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Tgt Ion: 73 Resp: 86526
 Ion Ratio Lower Upper
 73 100
 43 18.7 19.0 28.4#

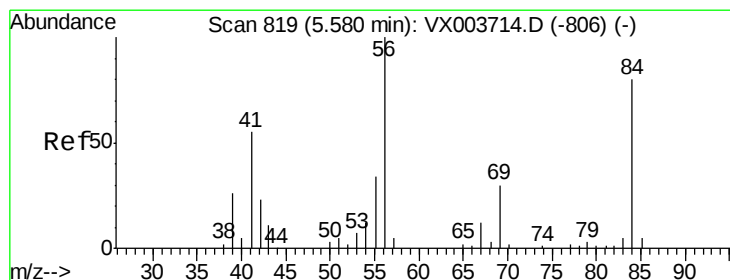
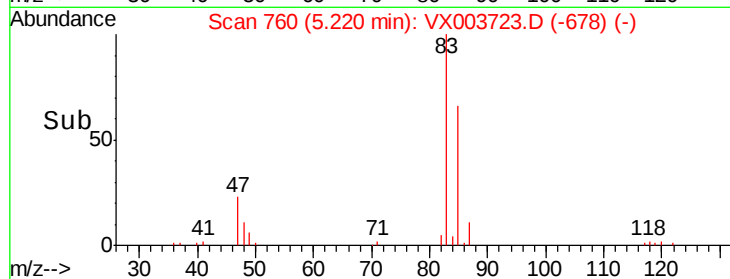
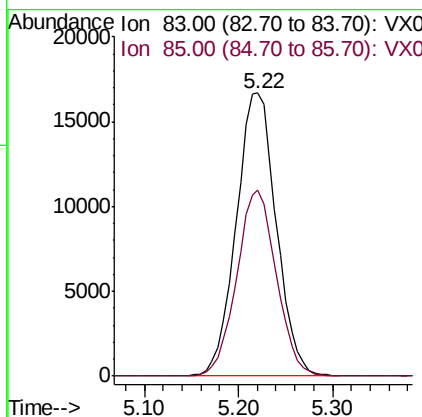
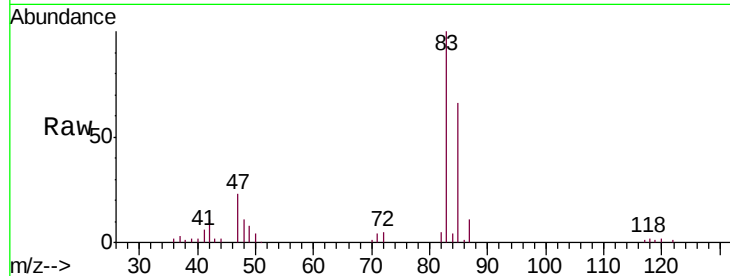




#25
Chloroform
Concen: 19.69 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

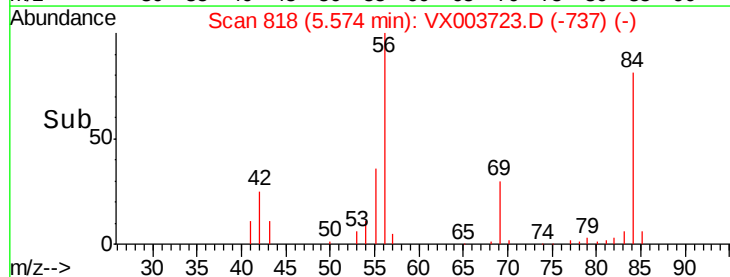
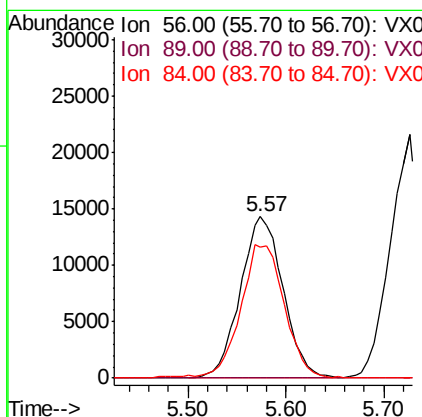
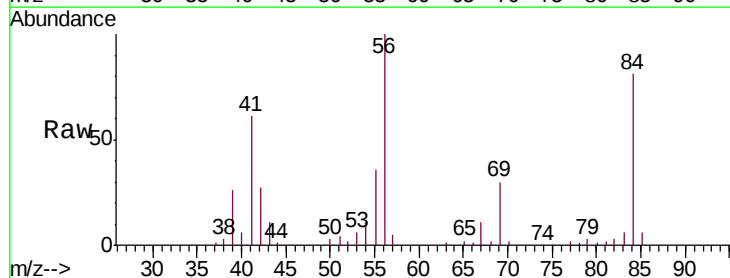
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

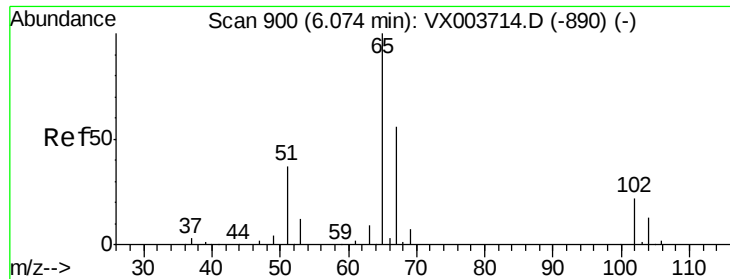
Tot Ion: 83 Resp: 49615
Ion Ratio Lower Upper
83 100
85 65.9 51.9 77.9



#26
Cyclohexane
Concen: 19.87 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Tgt Ion: 56 Resp: 43434
Ion Ratio Lower Upper
56 100
89 0.0 0.1 0.1#
84 84.2 64.9 97.3





#27

1,2-Dichloroethane-d4

Concen: 29.24 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

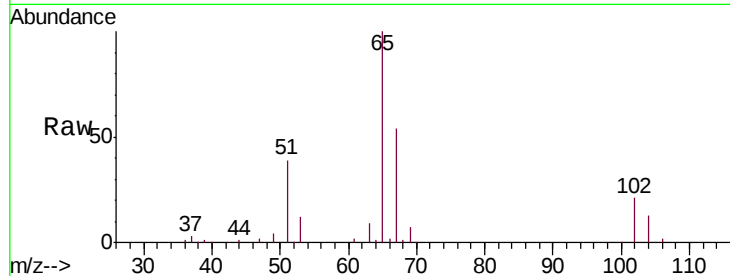
VSTDCCC020EC

Tot Ion: 65 Resp: 50629

Ion Ratio Lower Upper

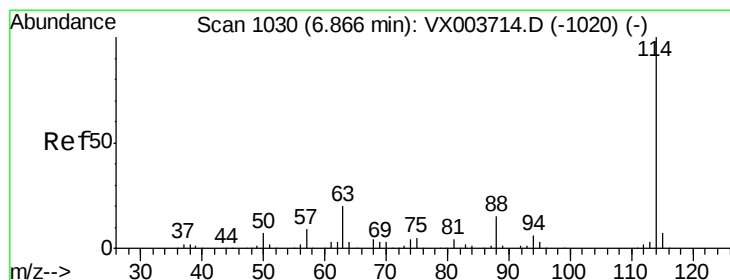
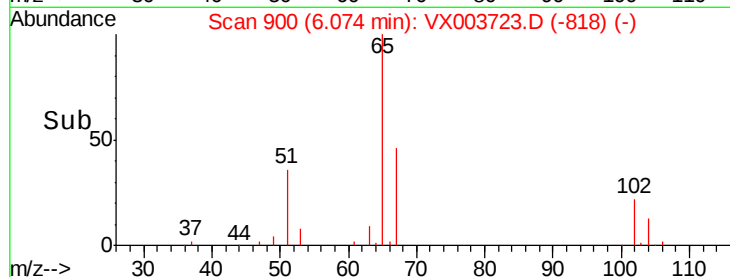
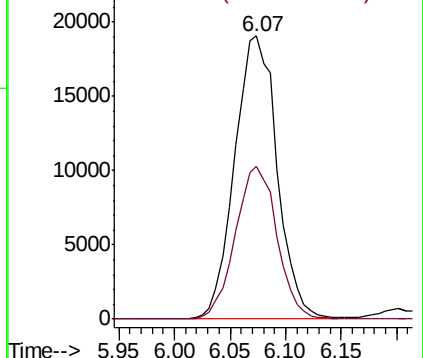
65 100

67 52.8 40.9 61.3



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

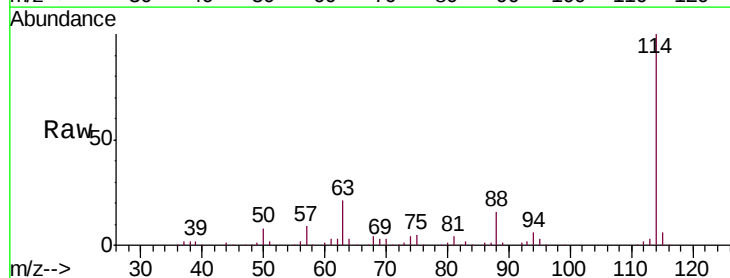
Tgt Ion: 114 Resp: 117995

Ion Ratio Lower Upper

114 100

63 20.8 17.1 25.7

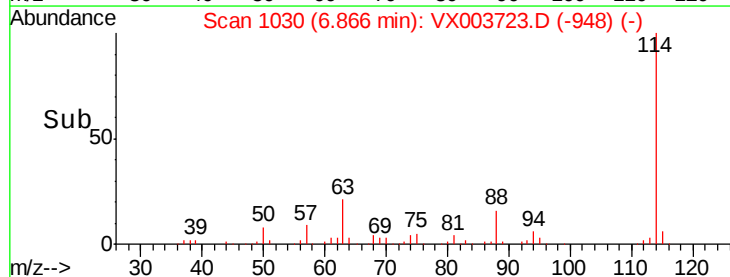
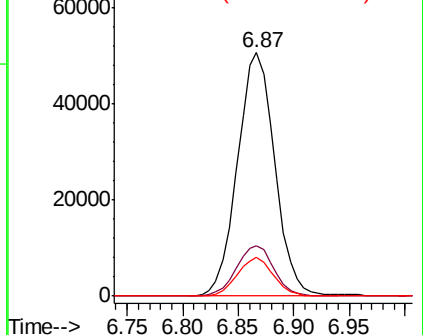
88 15.5 12.6 19.0

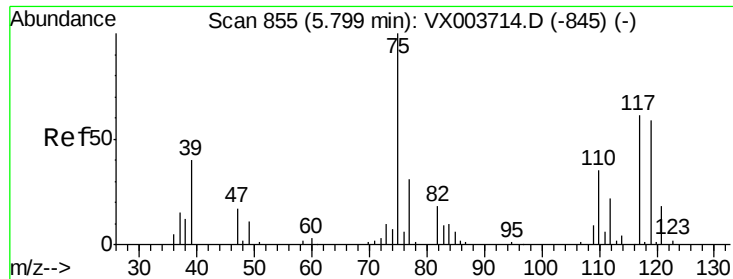


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

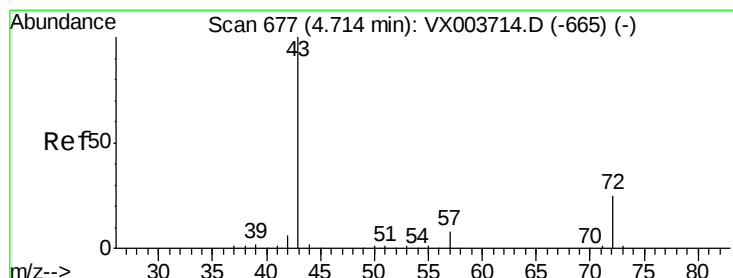
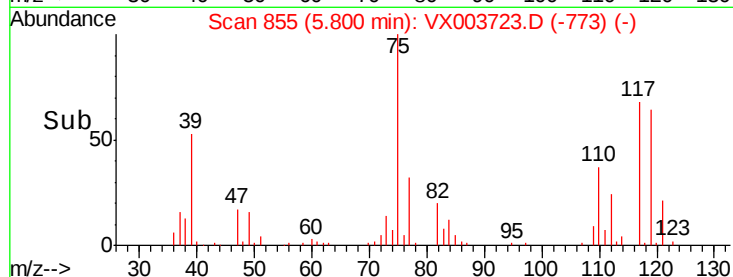
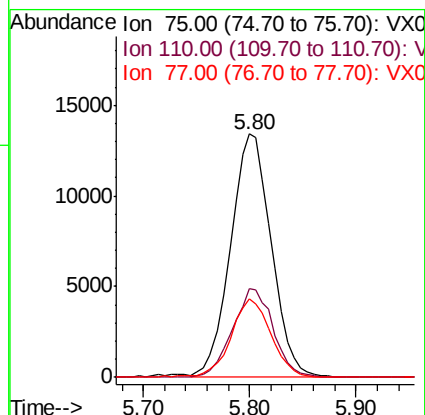
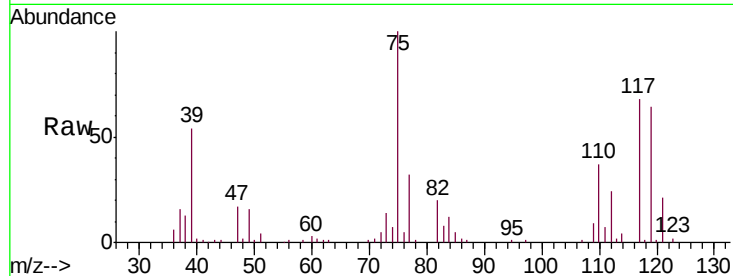




#29
 1,1-Dichloropropene
 Concen: 20.65 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

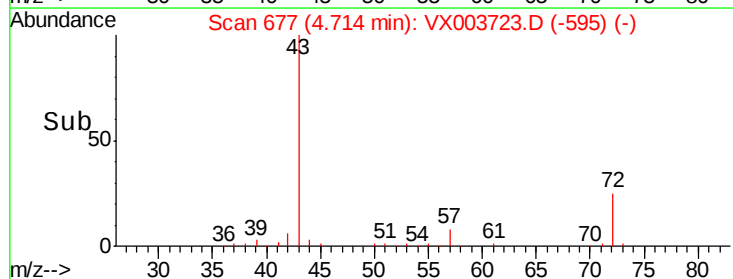
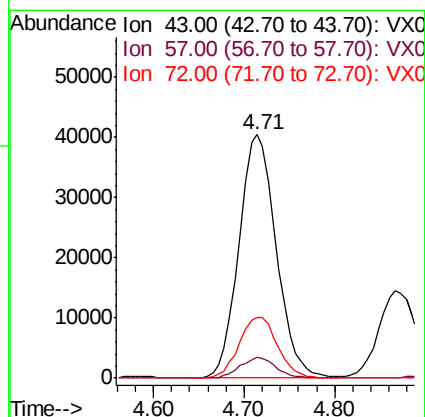
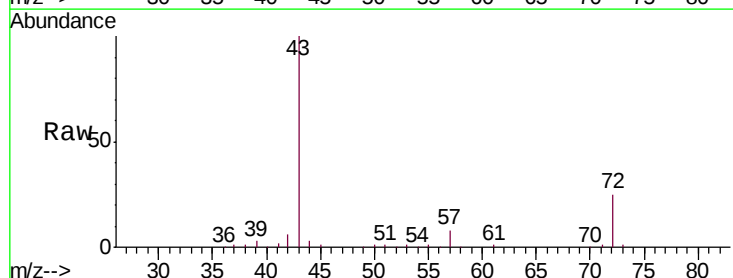
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

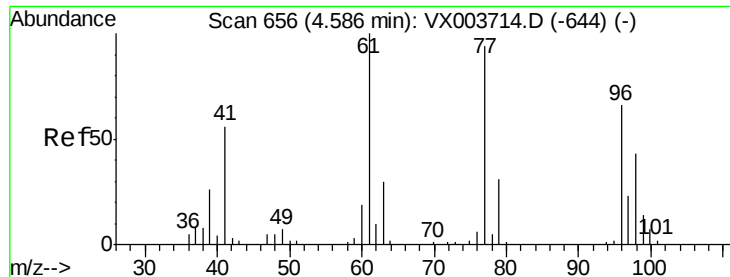
Tot Ion: 75 Resp: 35983
 Ion Ratio Lower Upper
 75 100
 110 36.3 0.0 71.4
 77 31.5 0.0 60.6



#30
 2-Butanone
 Concen: 103.86 ug/l
 RT: 4.71 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Tgt Ion: 43 Resp: 115565
 Ion Ratio Lower Upper
 43 100
 57 8.1 6.1 9.1
 72 25.7 18.1 27.1





#31

2,2-Dichloropropane

Concen: 19.55 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

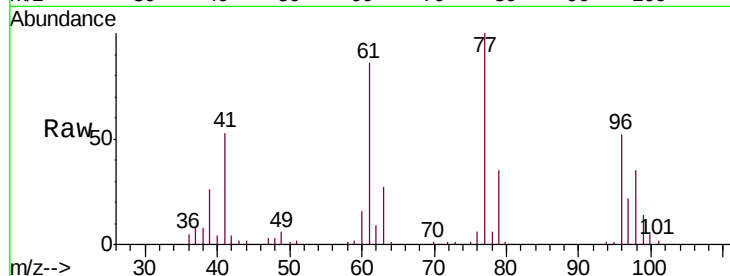
VSTDCCC020EC

Tot Ion: 77 Resp: 33001

Ion Ratio Lower Upper

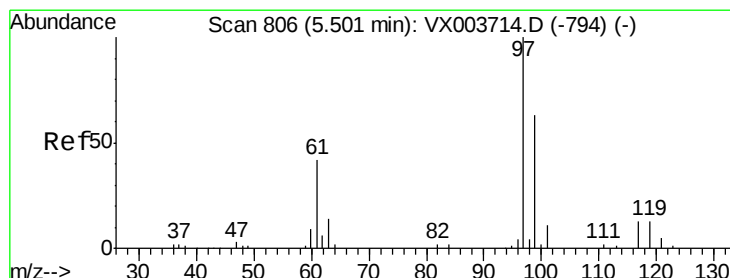
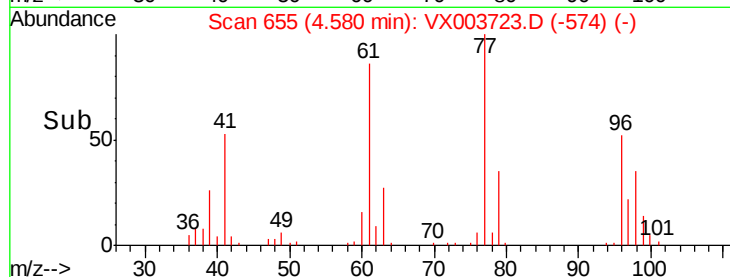
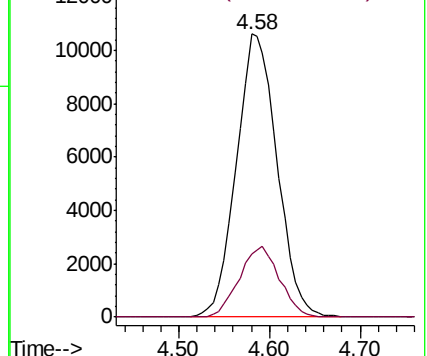
77 100

97 24.5 18.7 28.1



Abundance Ion 77.00 (76.70 to 77.70): VX0

Ion 97.00 (96.70 to 97.70): VX0



#32

1,1,1-Trichloroethane

Concen: 20.52 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

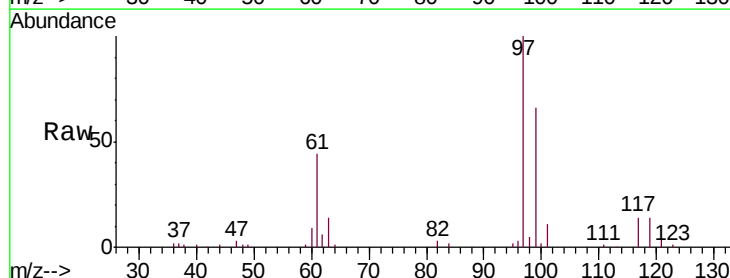
Tgt Ion: 97 Resp: 40906

Ion Ratio Lower Upper

97 100

99 65.3 51.7 77.5

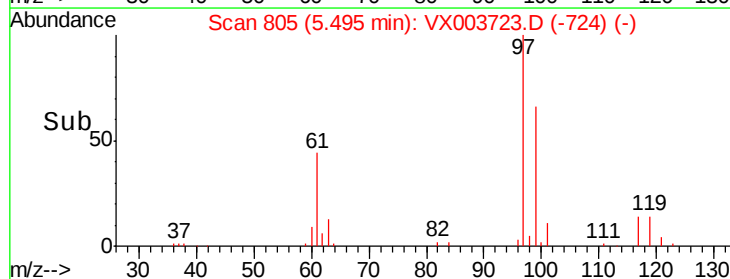
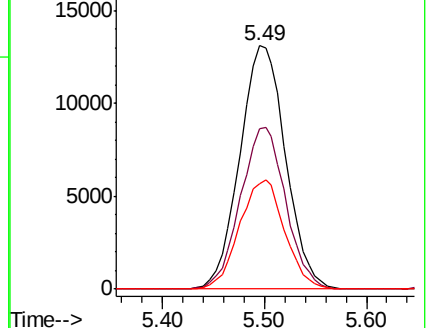
61 44.2 36.4 54.6

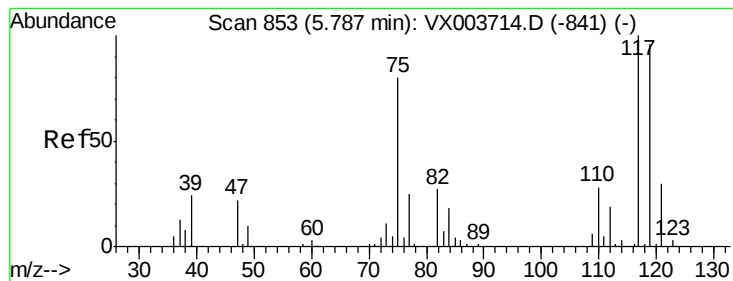


Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#33

Carbon Tetrachloride

Concen: 20.63 ug/l

RT: 5.78 min Scan# 852

Delta R.T. -0.01 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

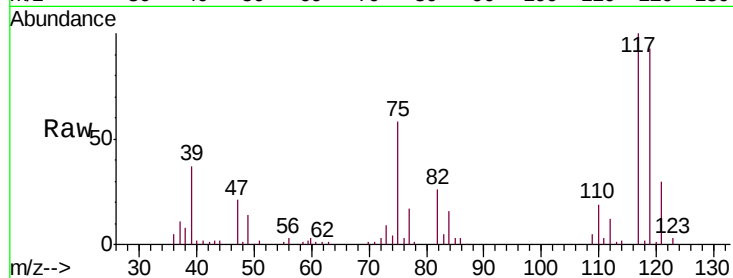
Tot Ion:117 Resp: 35747

Ion Ratio Lower Upper

117 100

119 93.2 73.3 109.9

121 30.1 23.6 35.4

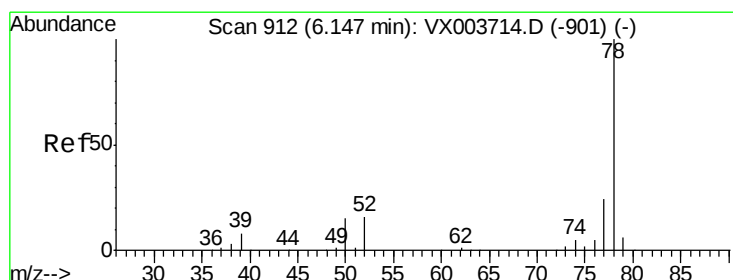
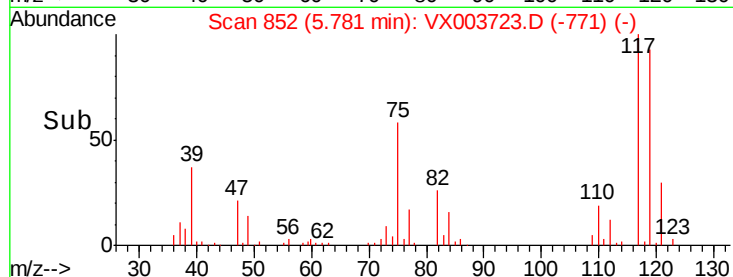
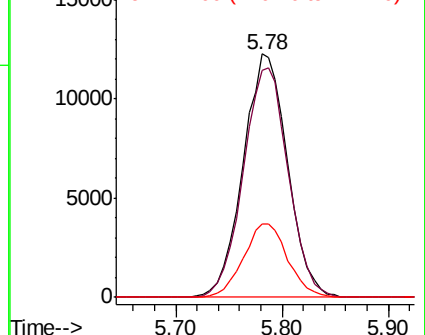


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 21.21 ug/l

RT: 6.15 min Scan# 912

Delta R.T. 0.00 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

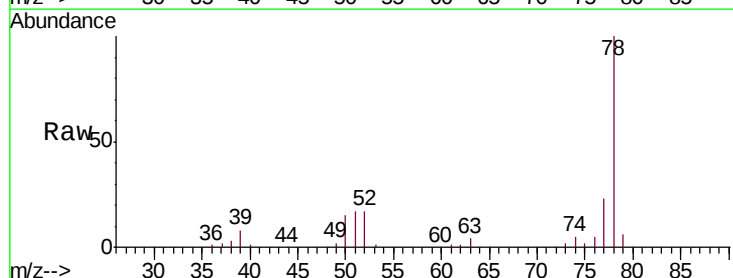
Tgt Ion: 78 Resp: 113567

Ion Ratio Lower Upper

78 100

77 23.4 19.4 29.0

51 14.7 13.8 20.6

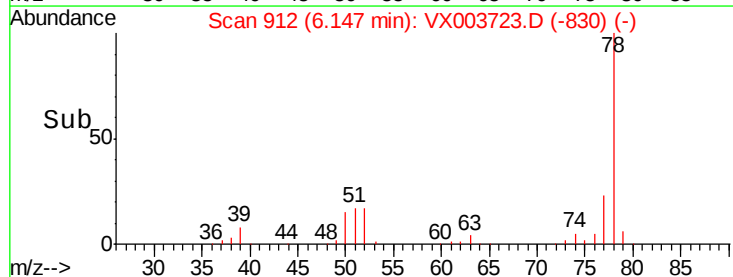
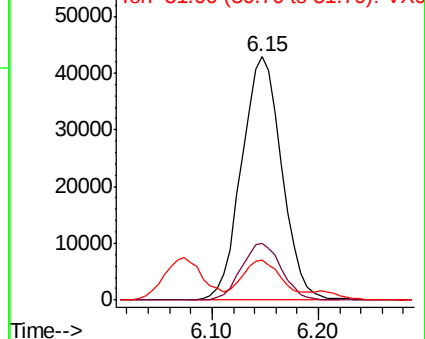


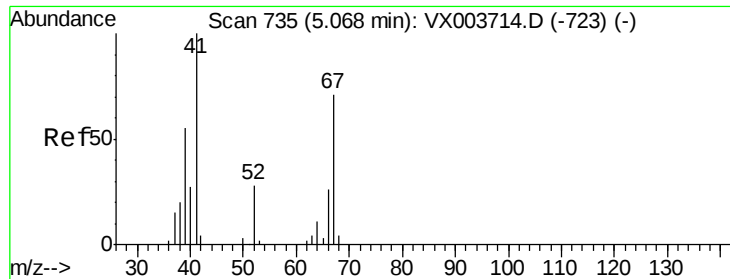
Abundance

Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

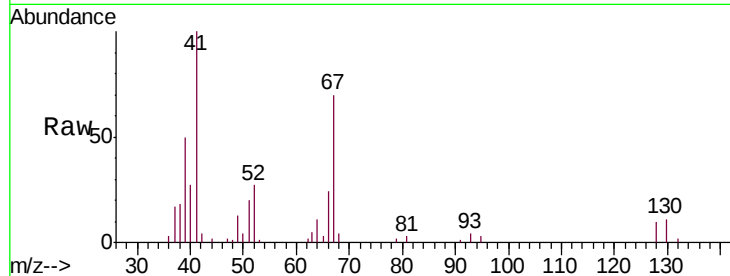




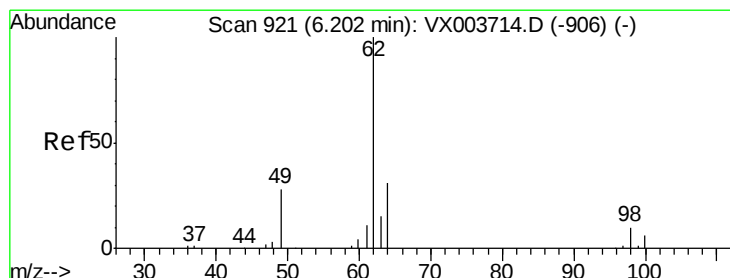
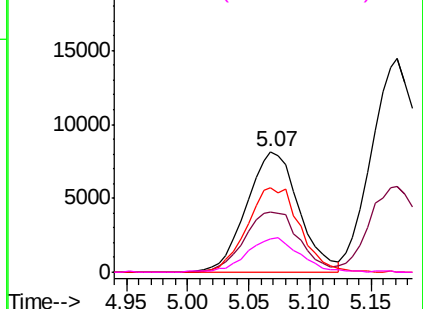
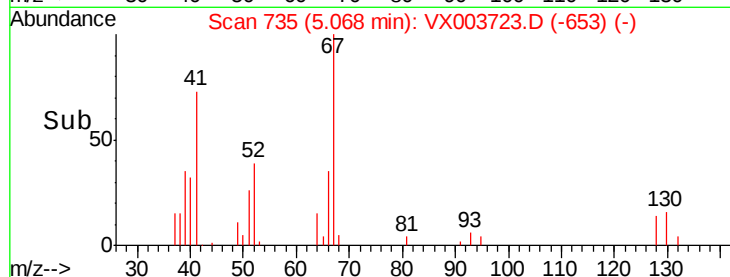
#35
Methacrylonitrile
Concen: 21.12 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:	41	Resp:	24417
Ion	Ratio	Lower	Upper
41	100		
39	50.3	28.8	86.5
67	69.8	30.4	91.2
52	26.6	13.0	39.0

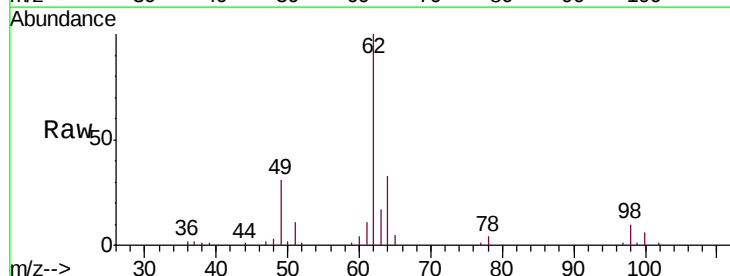


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

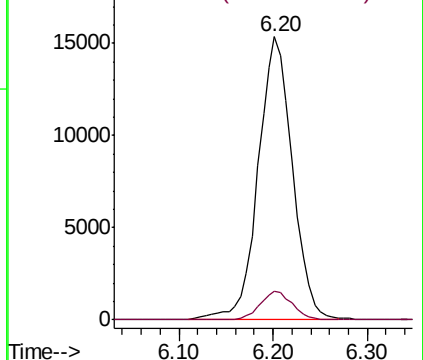
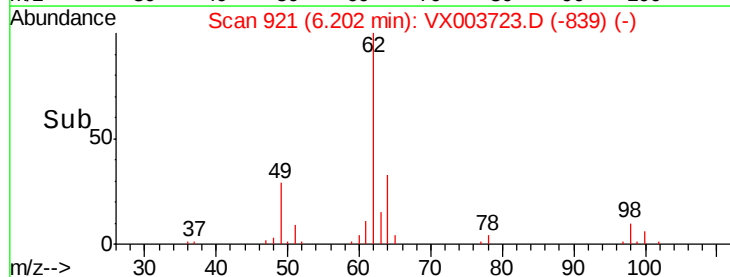


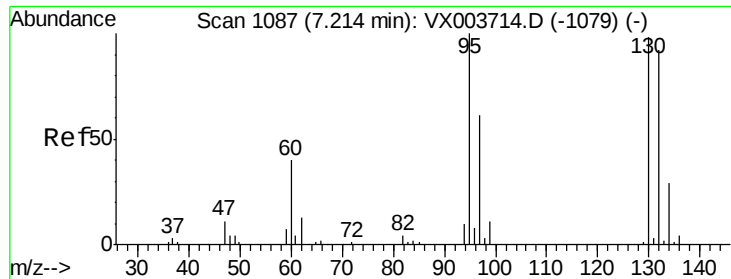
#36
1,2-Dichloroethane
Concen: 20.37 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Tgt Ion:	62	Resp:	39187
Ion	Ratio	Lower	Upper
62	100		
98	9.4	6.5	9.7



Abundance Ion 62.00 (61.70 to 62.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

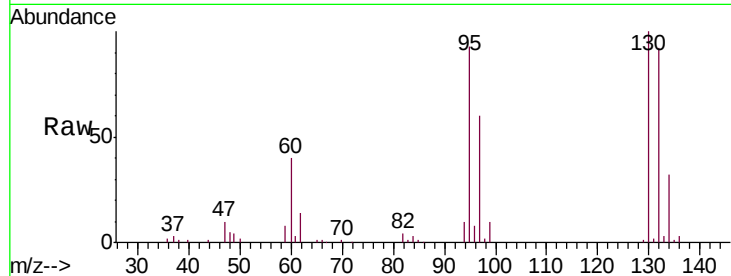




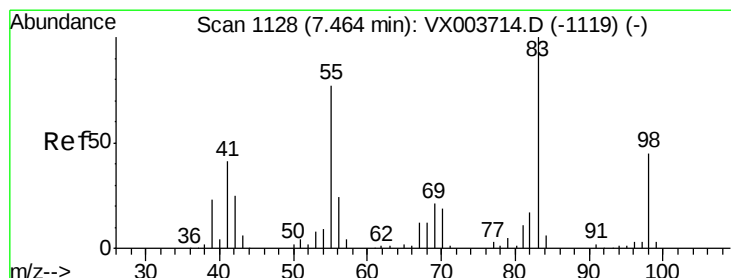
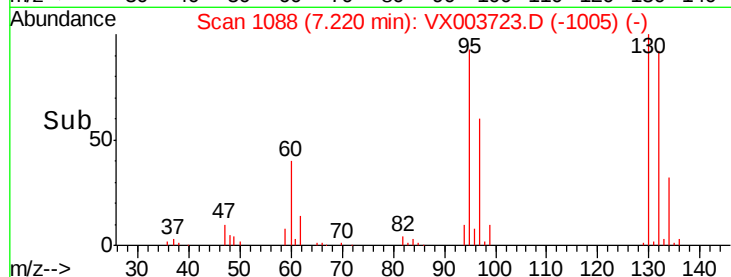
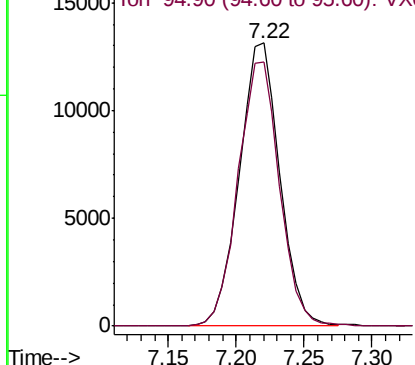
#37
 Trichloroethene
 Concen: 19.60 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 27347
 Ion Ratio Lower Upper
 130 100
 95 93.4 81.5 122.3

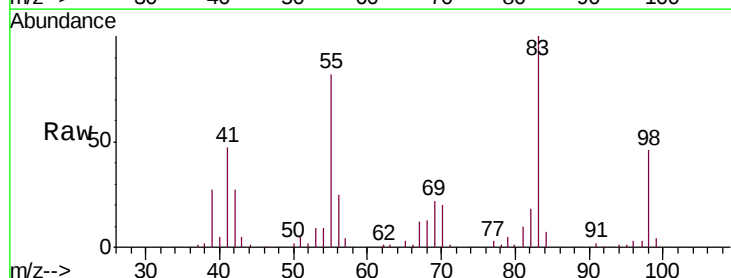


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

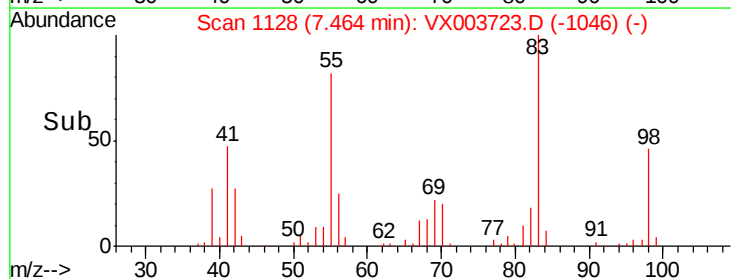
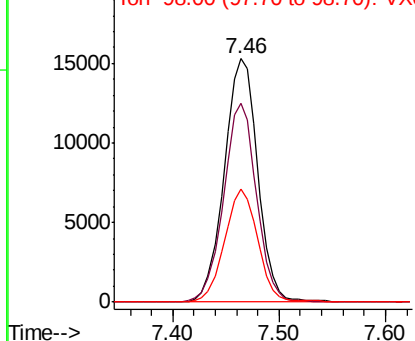


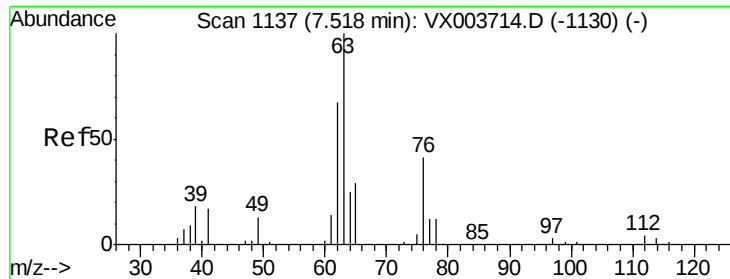
#38
 Methylcyclohexane
 Concen: 16.99 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Tgt Ion: 83 Resp: 33640
 Ion Ratio Lower Upper
 83 100
 55 80.1 40.6 121.8
 98 45.9 23.5 70.5



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

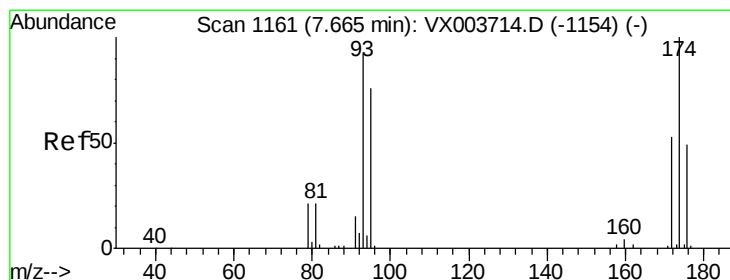
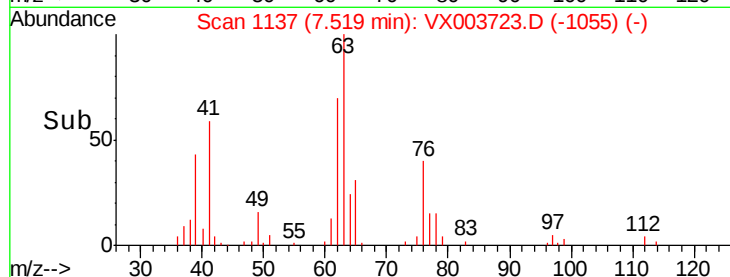
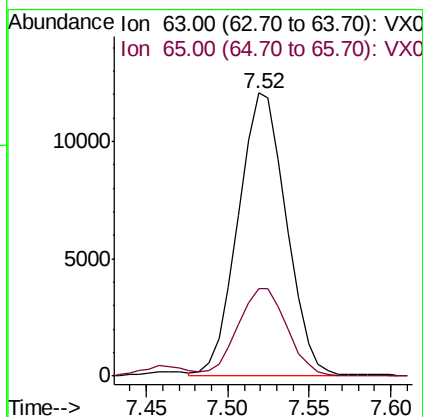
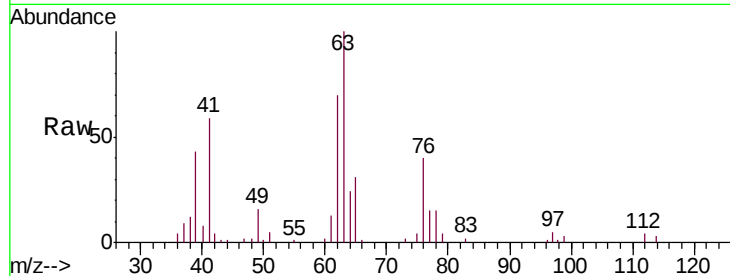




#39
 1,2-Dichloropropane
 Concen: 17.51 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

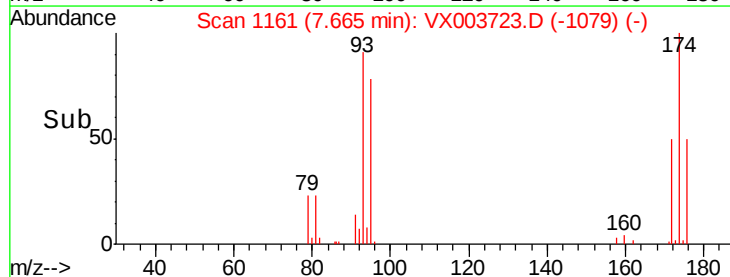
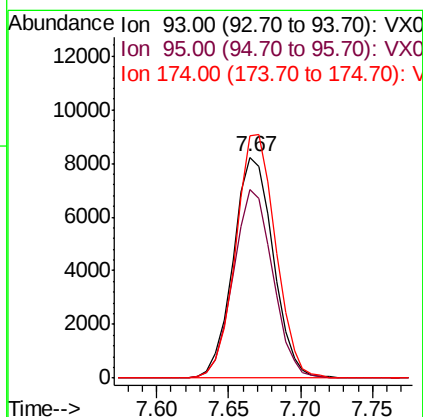
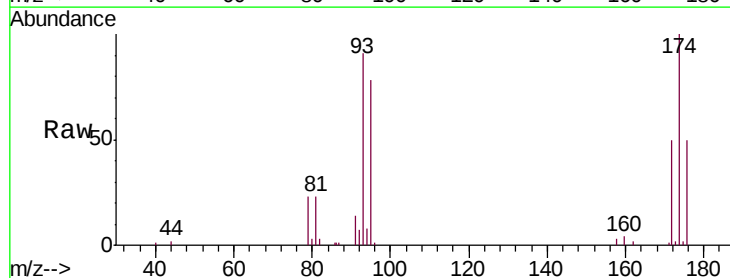
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

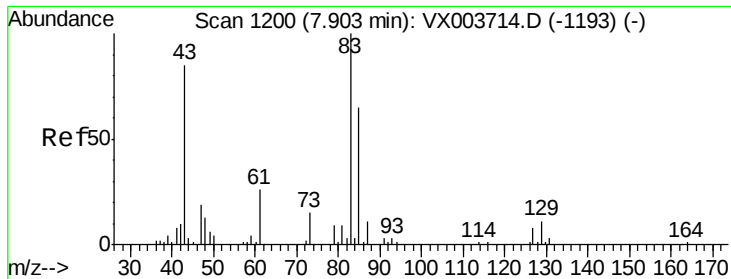
Tot Ion: 63 Resp: 24776
 Ion Ratio Lower Upper
 63 100
 65 31.2 23.3 34.9



#40
 Dibromomethane
 Concen: 17.43 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Tgt Ion: 93 Resp: 15956
 Ion Ratio Lower Upper
 93 100
 95 83.9 0.0 162.6
 174 109.5 0.0 229.4





#41

Bromodichloromethane

Concen: 17.07 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

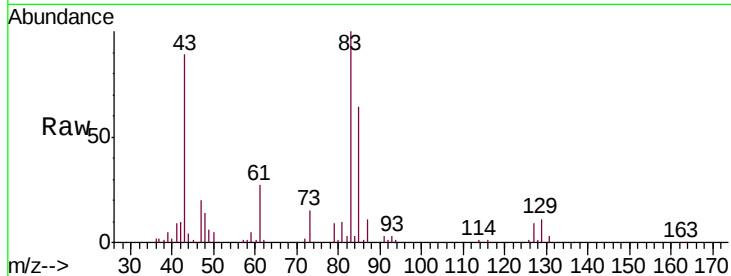
Tot Ion: 83 Resp: 29856

Ion Ratio Lower Upper

83 100

85 64.3 49.8 74.8

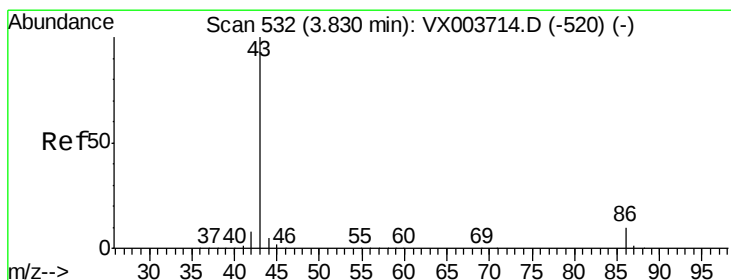
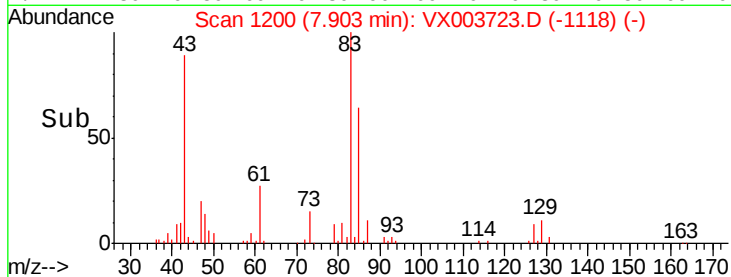
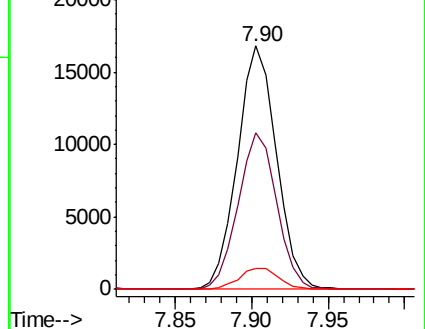
127 8.7 7.3 10.9



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 89.66 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX003723.D

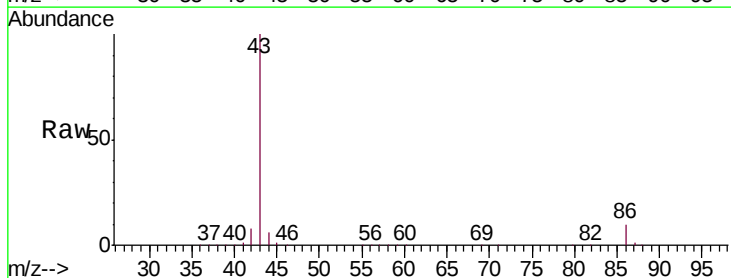
Acq: 27 Jul 2018 20:33

Tgt Ion: 43 Resp: 383367

Ion Ratio Lower Upper

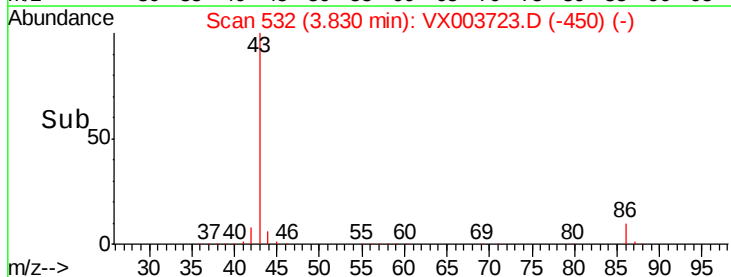
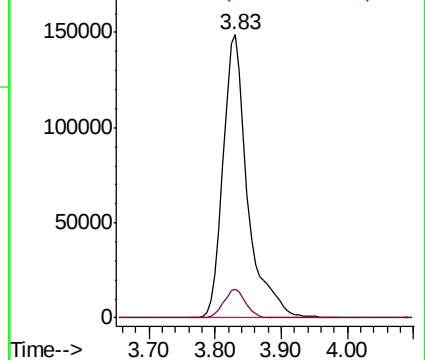
43 100

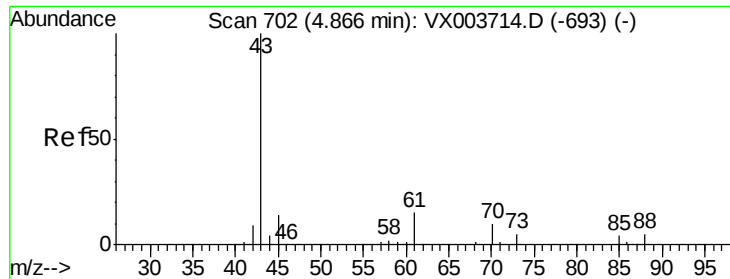
86 9.1 6.7 10.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

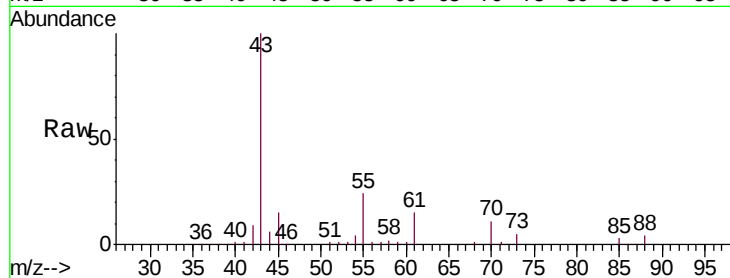




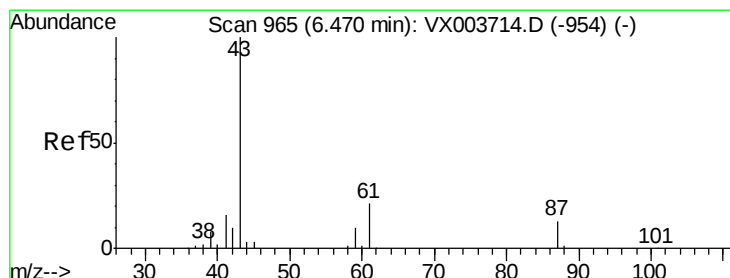
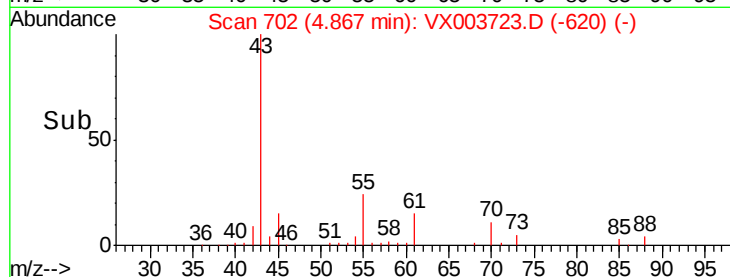
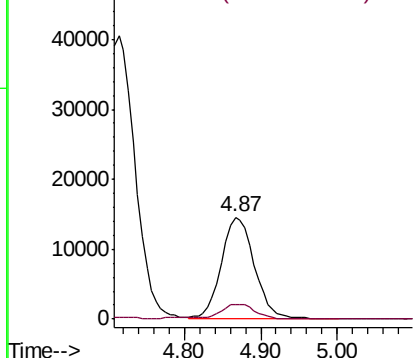
#43
Ethyl Acetate
Concen: 20.98 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 43603
Ion Ratio Lower Upper
43 100
45 15.6 11.0 16.4

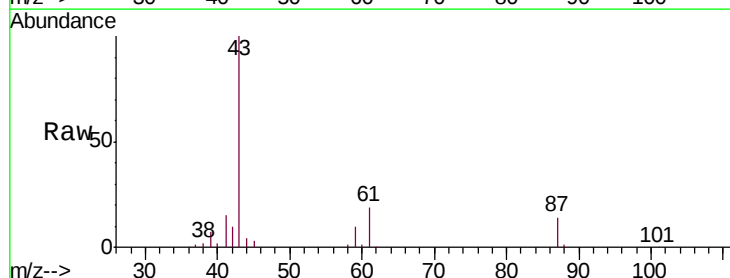


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 45.00 (44.70 to 45.70): VX0

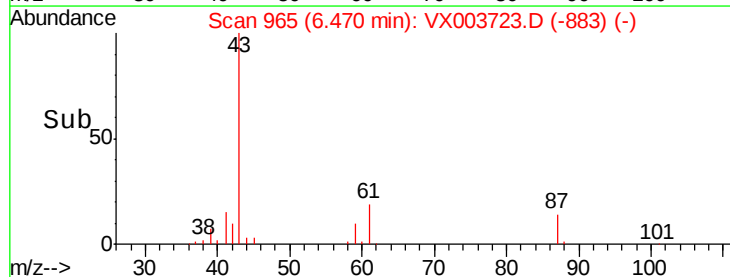
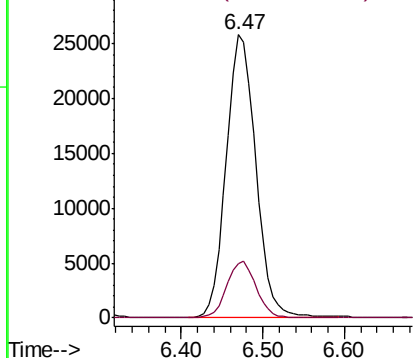


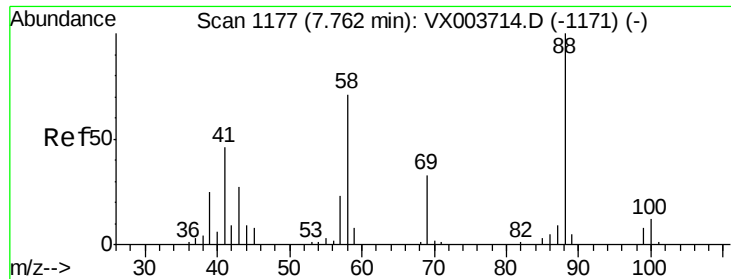
#44
Isopropyl Acetate
Concen: 20.38 ug/l
RT: 6.47 min Scan# 965
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Tgt Ion: 43 Resp: 64955
Ion Ratio Lower Upper
43 100
61 19.7 14.5 21.7



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

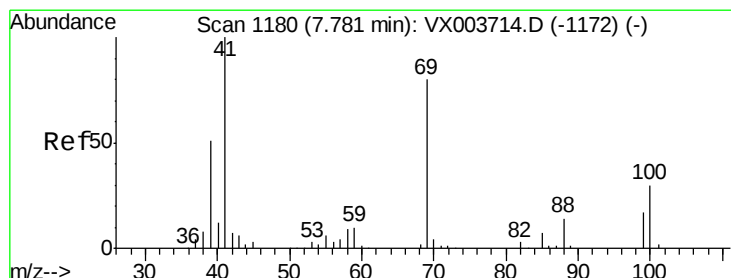
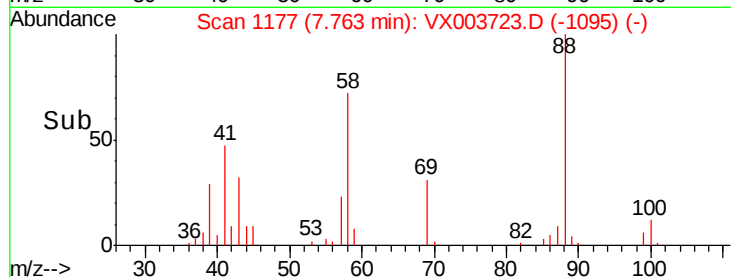
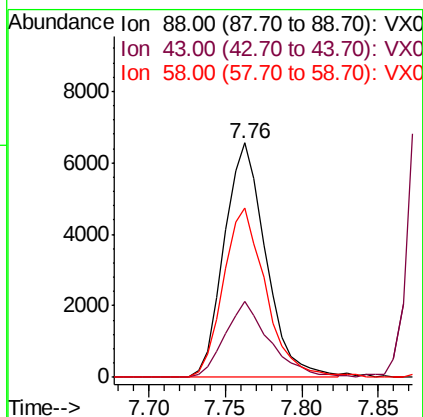
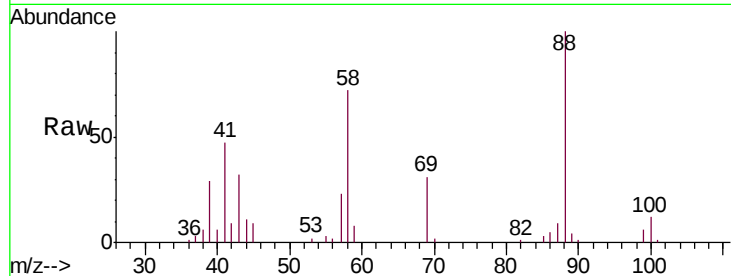




#45
 1,4-Dioxane
 Concen: 349.45 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

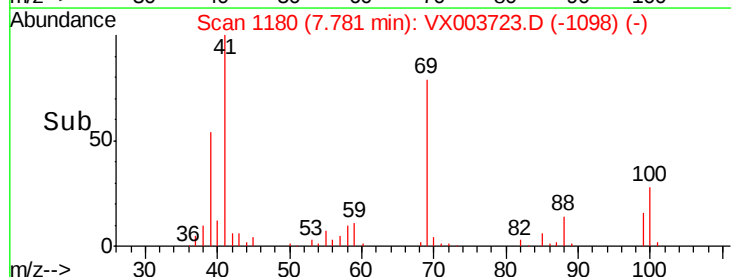
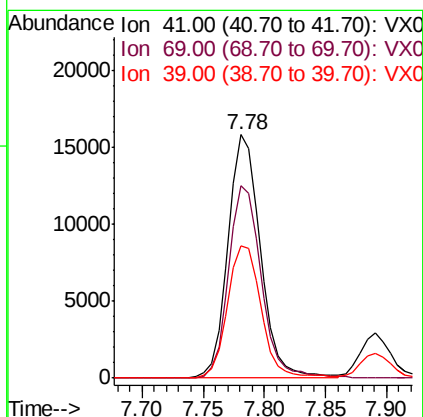
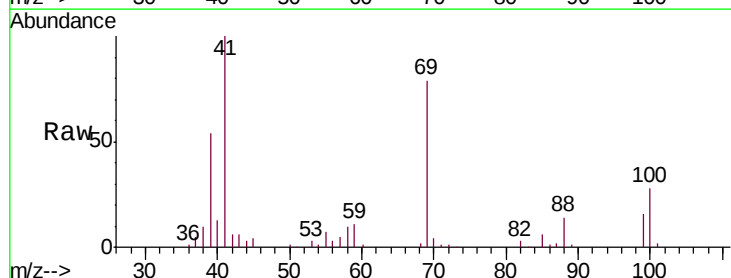
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

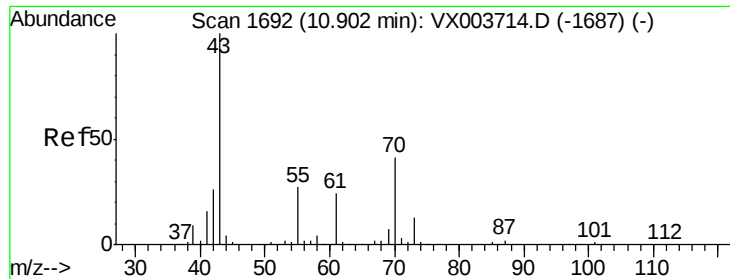
Tot Ion: 88 Resp: 12372
 Ion Ratio Lower Upper
 88 100
 43 35.0 43.2 64.8#
 58 73.7 60.2 90.2



#46
 Methyl methacrylate
 Concen: 17.75 ug/l
 RT: 7.78 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Tgt Ion: 41 Resp: 29186
 Ion Ratio Lower Upper
 41 100
 69 79.0 37.0 110.9
 39 54.3 29.6 88.9





#47

n-amvl Acetate

Concen: 16.73 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

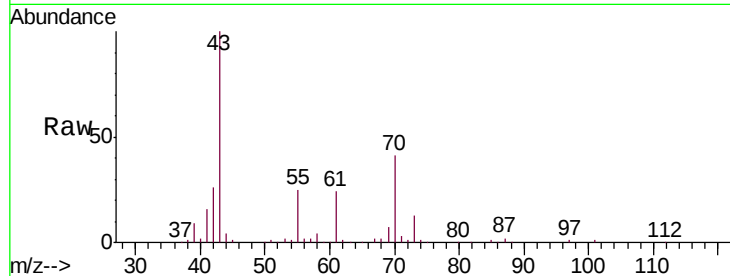
VSTDCCC020EC

Tot Ion: 43 Resp: 50354

Ion Ratio Lower Upper

43 100

55 25.4 0.1 0.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

10.90

40000

30000

20000

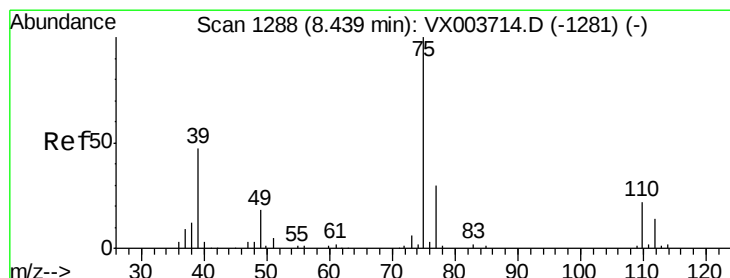
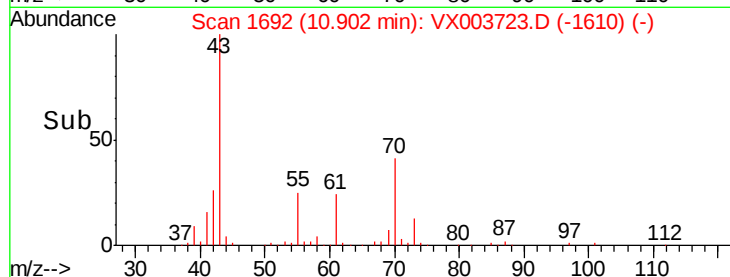
10000

0

Time-->

10.90

11.00



#48

t-1,3-Dichloropropene

Concen: 16.78 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX003723.D

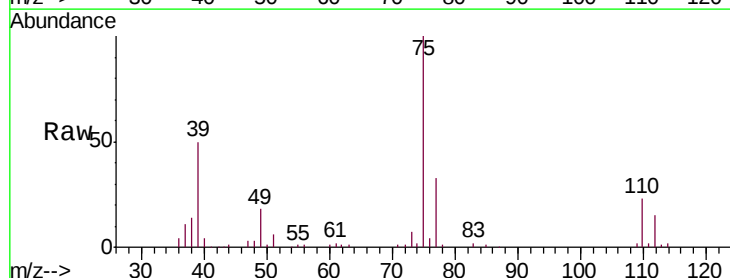
Acq: 27 Jul 2018 20:33

Tgt Ion: 75 Resp: 35609

Ion Ratio Lower Upper

75 100

77 32.6 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

8.44

25000

20000

15000

10000

5000

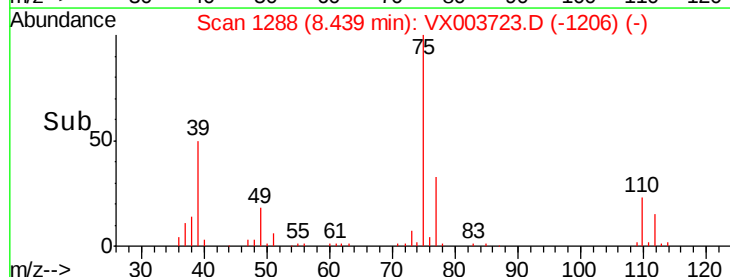
0

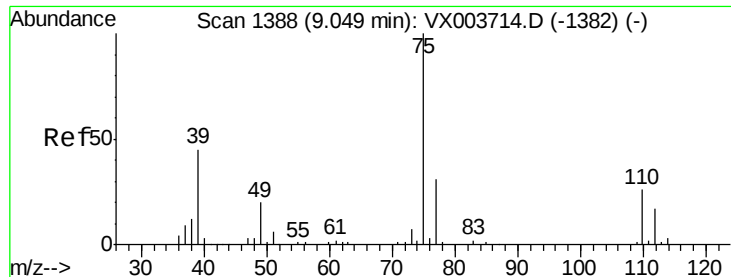
Time-->

8.40

8.45

8.50



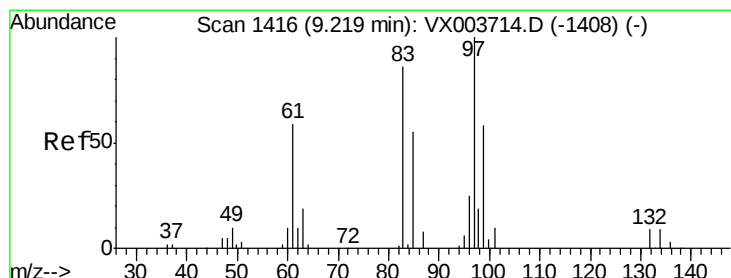
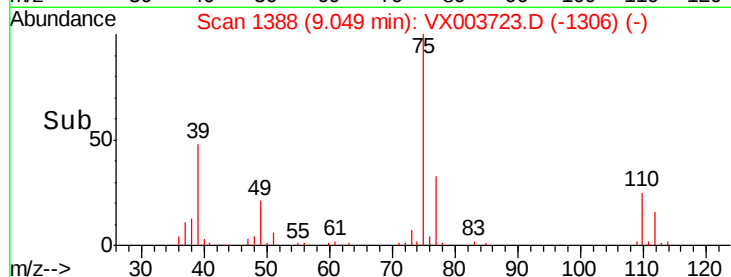
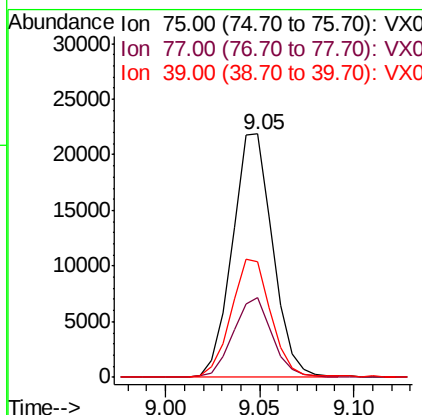
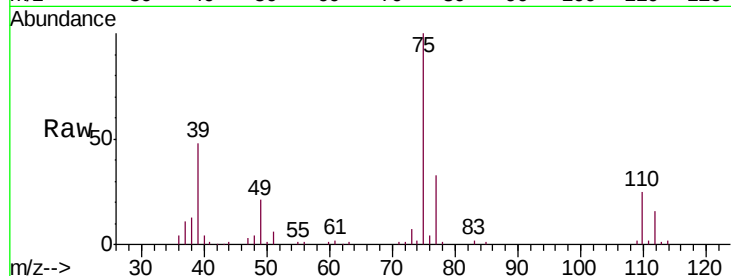


#49

cis-1,3-Dichloropropene
 Concen: 16.34 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

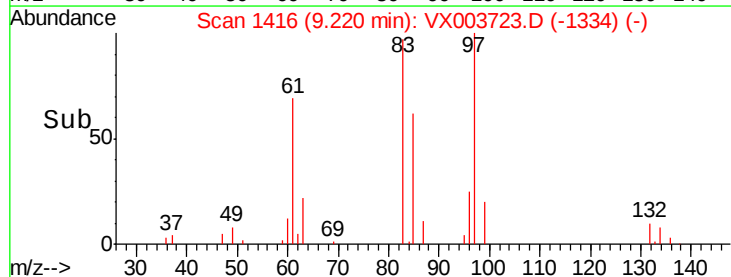
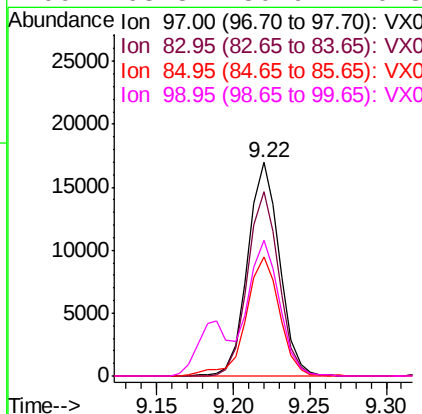
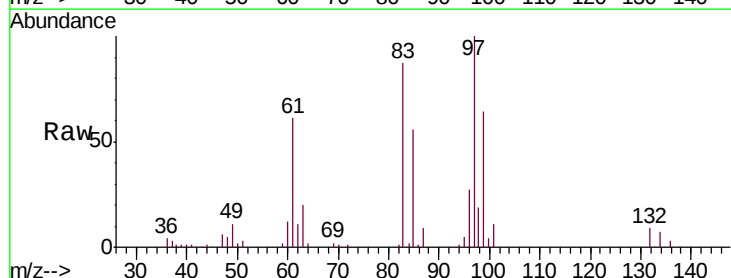
Tot Ion: 75 Resp: 32536
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.4 38.2
 39 47.4 42.3 63.5

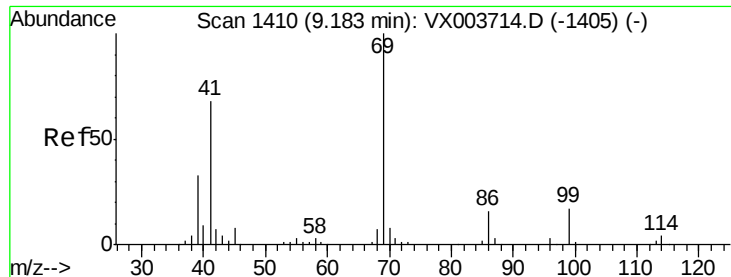


#50

1,1,2-Trichloroethane
 Concen: 16.85 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Tgt Ion: 97 Resp: 24493
 Ion Ratio Lower Upper
 97 100
 83 86.6 70.8 106.2
 85 55.5 43.5 65.3
 99 63.8 50.9 76.3





#51

Ethyl methacrylate

Concen: 16.35 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. 0.00 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

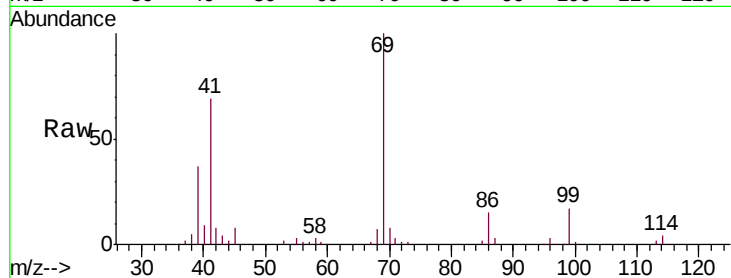
Tot Ion: 69 Resp: 35777

Ion Ratio Lower Upper

69 100

41 69.2 39.1 117.3

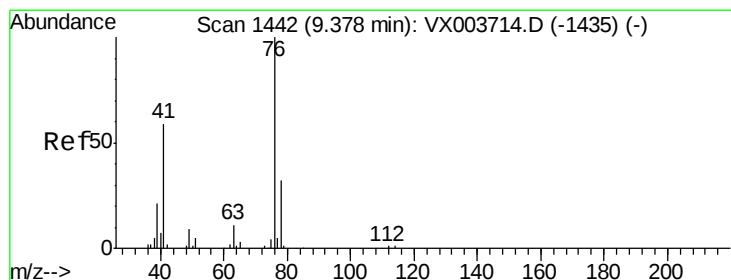
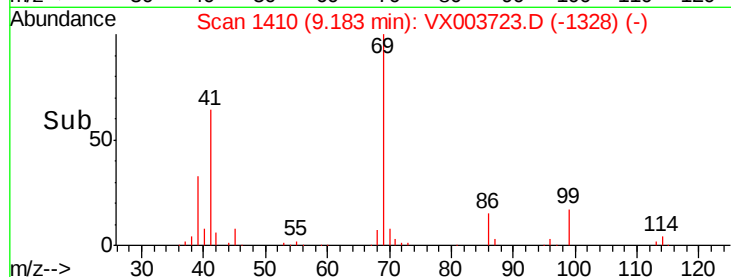
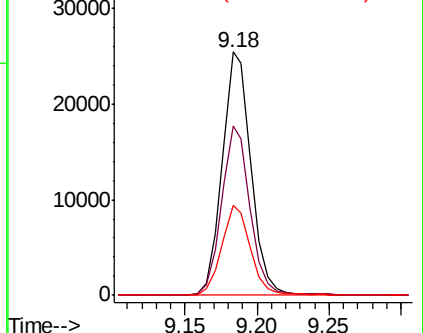
39 36.5 21.7 65.1



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 17.20 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX003723.D

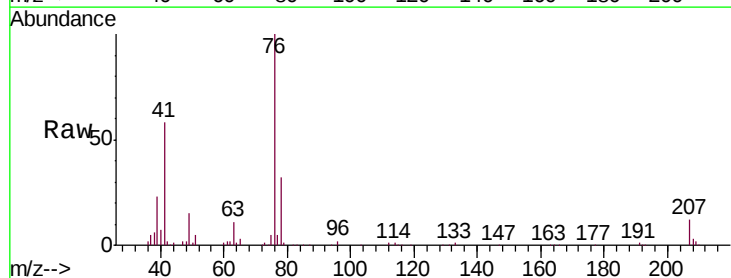
Acq: 27 Jul 2018 20:33

Tgt Ion: 76 Resp: 41609

Ion Ratio Lower Upper

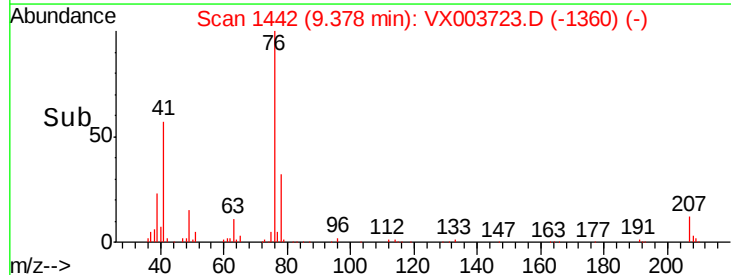
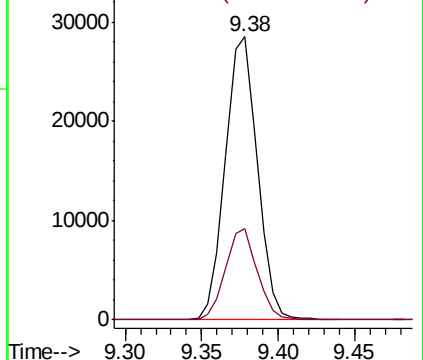
76 100

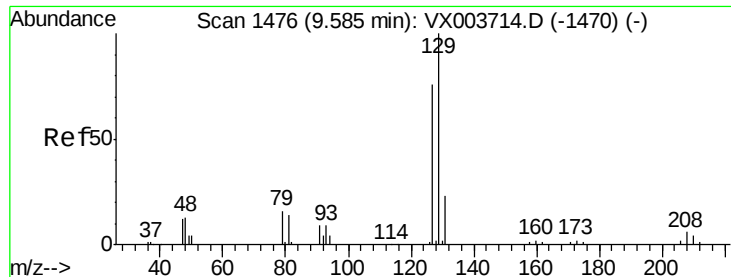
78 31.7 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

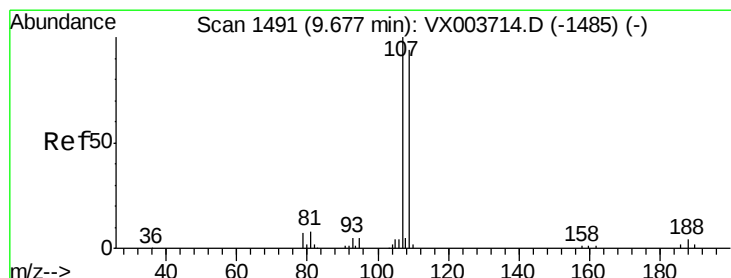
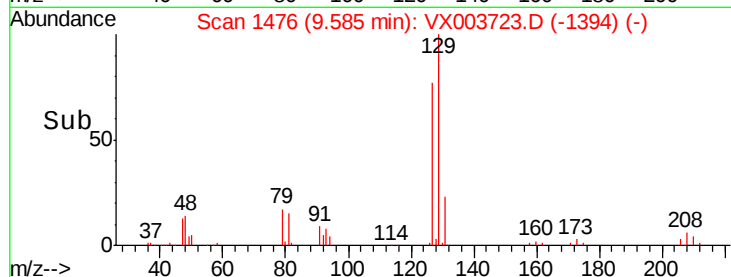
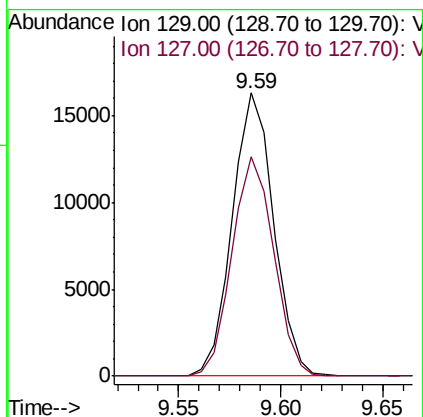
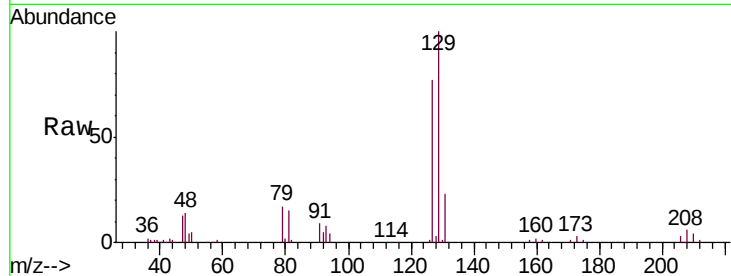




#53
 Dibromochloromethane
 Concen: 16.06 ug/l
 RT: 9.59 min Scan# 1476
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

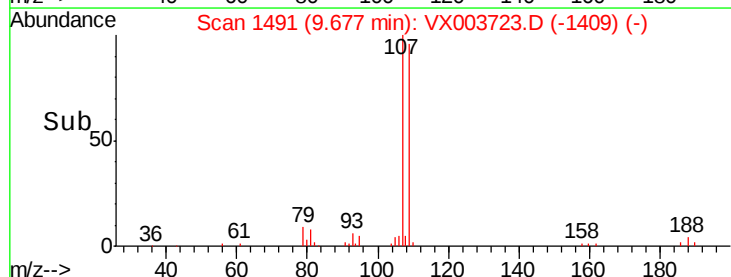
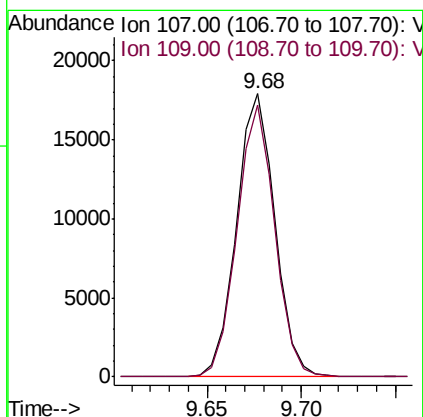
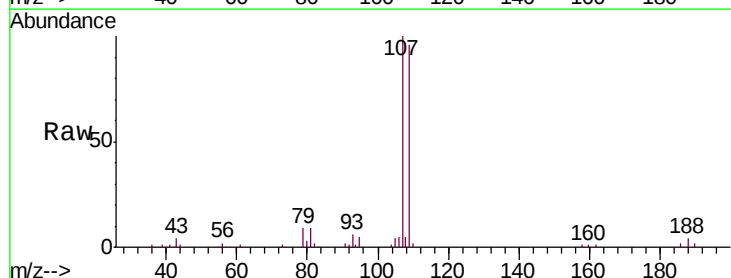
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

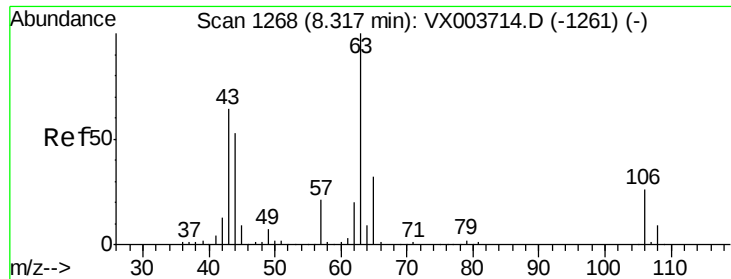
Tot Ion:129 Resp: 22926
 Ion Ratio Lower Upper
 129 100
 127 78.1 38.5 115.3



#54
 1,2-Dibromoethane
 Concen: 16.59 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Tgt Ion:107 Resp: 25218
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.5 113.3

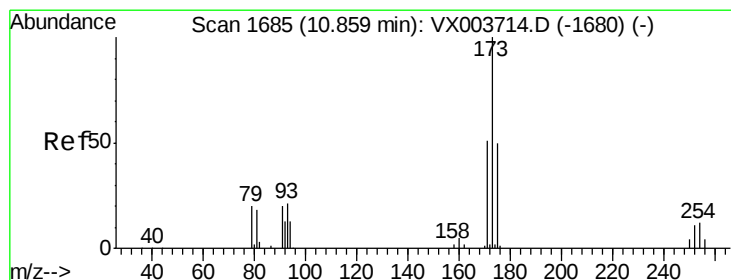
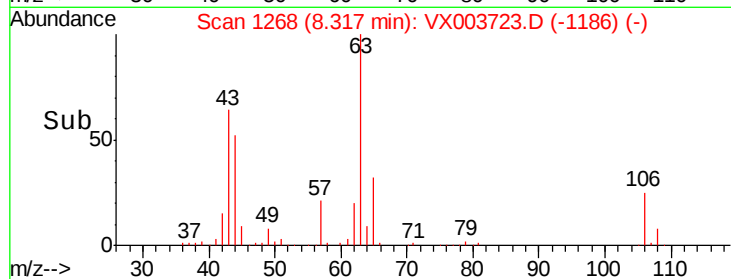
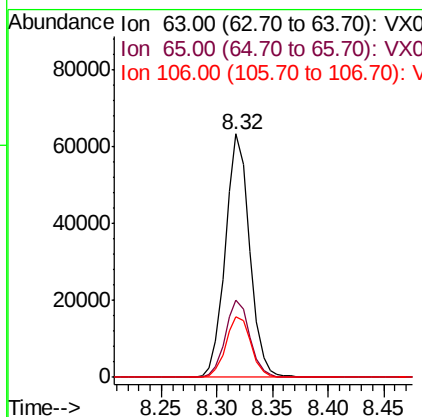
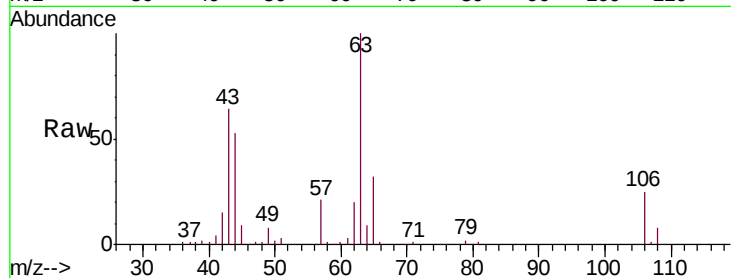




#55
2-Chloroethyl vinyl ether
Concen: 84.82 ug/l
RT: 8.32 min Scan# 1268
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

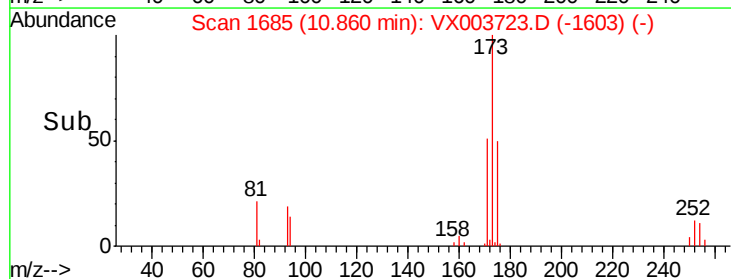
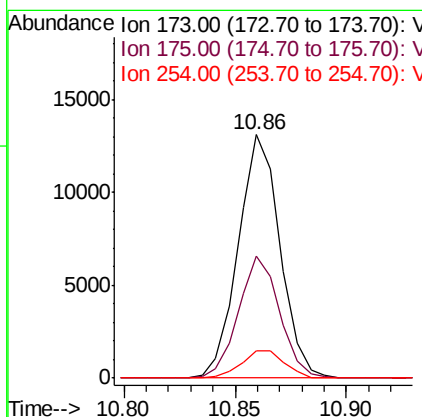
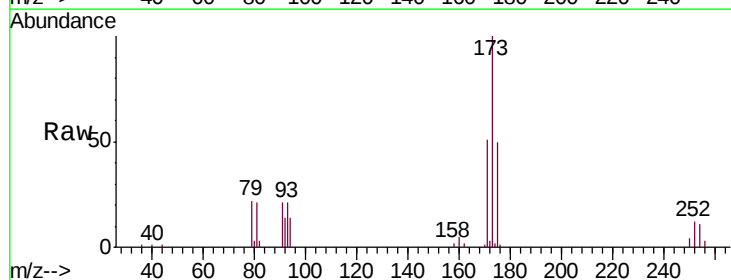
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

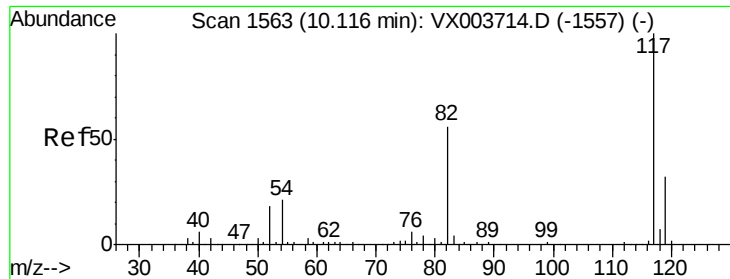
Tot Ion: 63 Resp: 95739
Ion Ratio Lower Upper
63 100
65 31.8 25.6 38.4
106 25.8 21.6 32.4



#56
Bromoform
Concen: 15.47 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Tgt Ion: 173 Resp: 17141
Ion Ratio Lower Upper
173 100
175 49.2 39.0 58.4
254 11.6 9.6 14.4

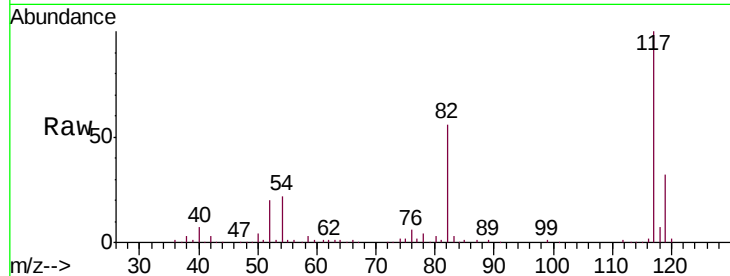




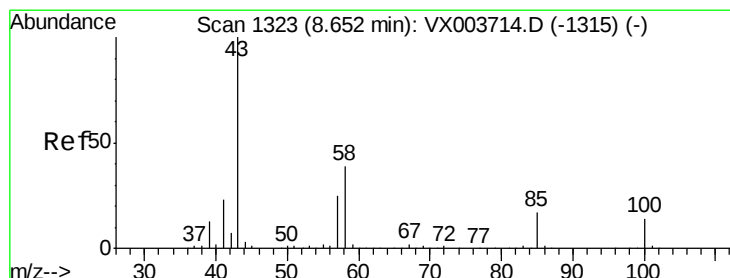
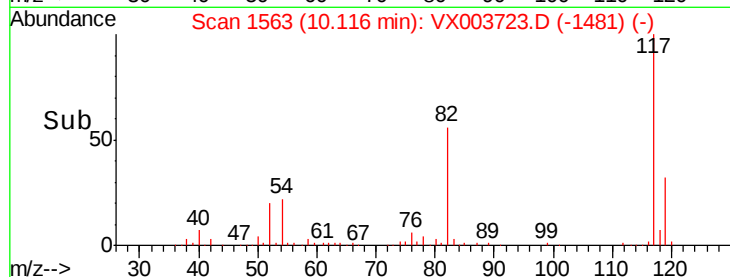
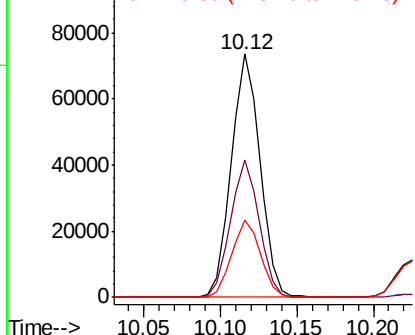
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:117 Resp: 96188
Ion Ratio Lower Upper
117 100
82 56.2 44.3 66.5
119 31.7 25.7 38.5

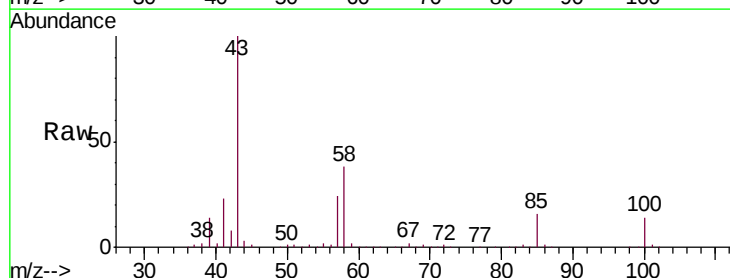


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

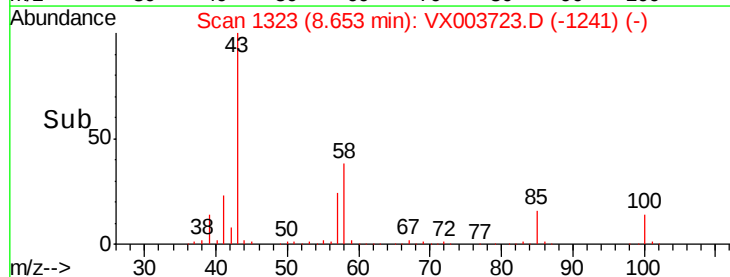
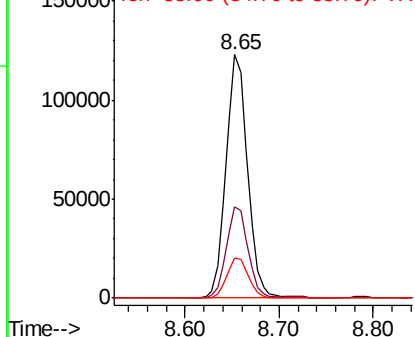


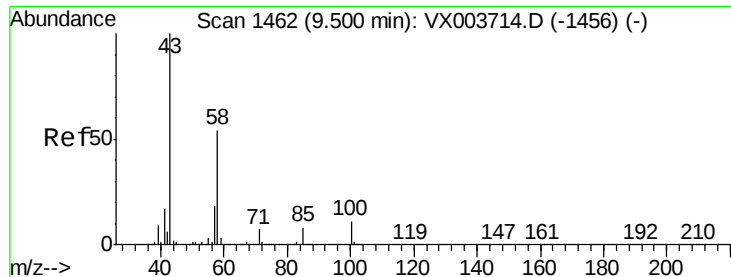
#58
4-Methyl-2-Pentanone
Concen: 107.94 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Tgt Ion: 43 Resp: 196045
Ion Ratio Lower Upper
43 100
58 37.6 28.2 42.4
85 16.6 12.4 18.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 85.00 (84.70 to 85.70): VX0

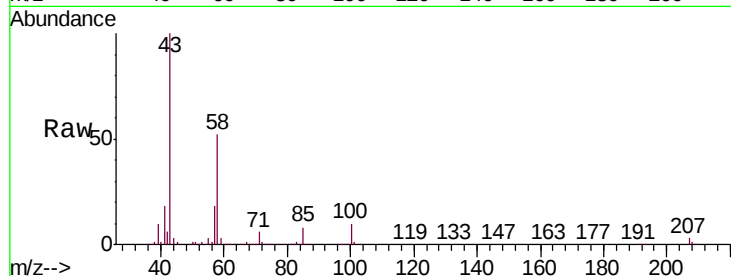




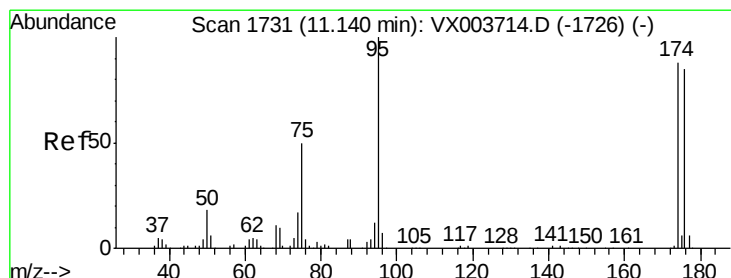
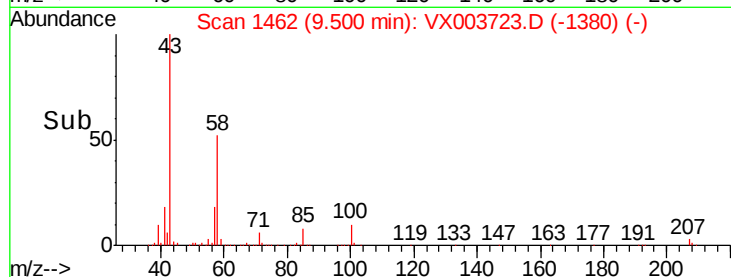
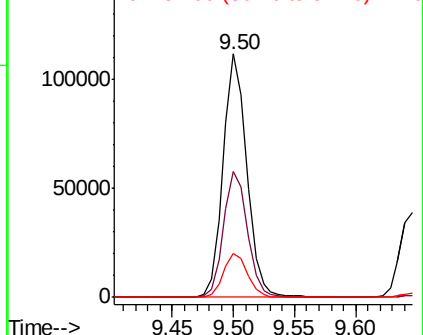
#59
2-Hexanone
Concen: 104.22 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 150718
Ion Ratio Lower Upper
43 100
58 52.2 39.6 59.4
57 18.3 14.1 21.1

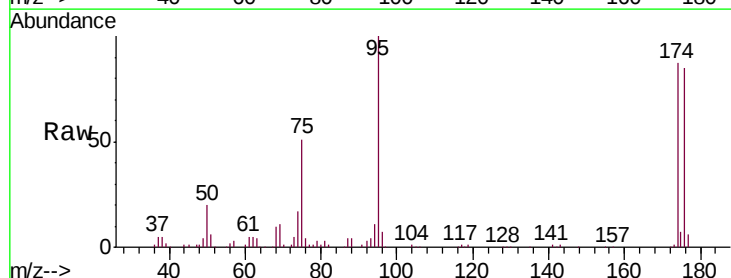


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

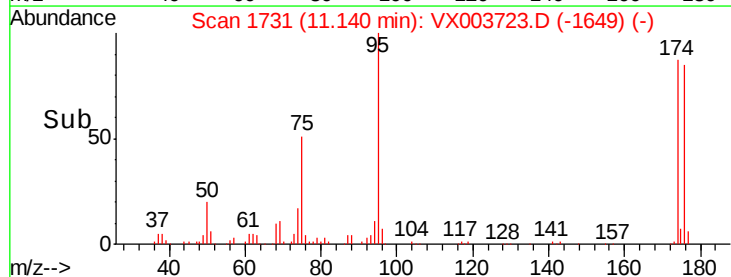
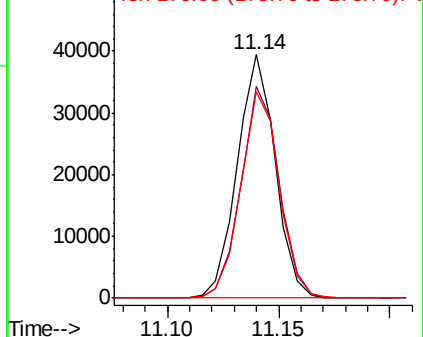


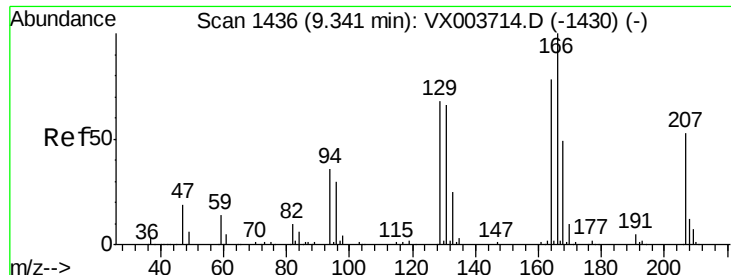
#60
4-Bromofluorobenzene
Concen: 30.27 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Tgt Ion: 95 Resp: 46874
Ion Ratio Lower Upper
95 100
174 87.7 71.8 107.6
176 86.0 70.1 105.1



Abundance Ion 95.00 (94.70 to 95.70): VX0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#61

Tetrachloroethene

Concen: 19.80 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.01 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:164 Resp: 22169

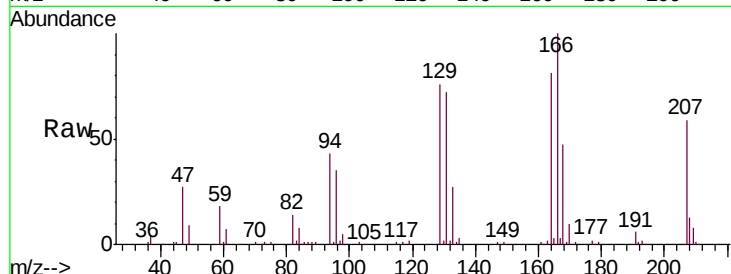
Ion Ratio Lower Upper

164 100

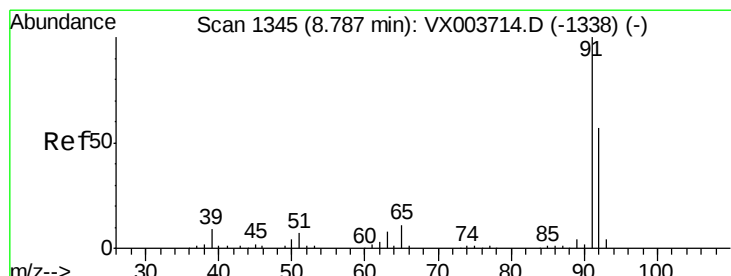
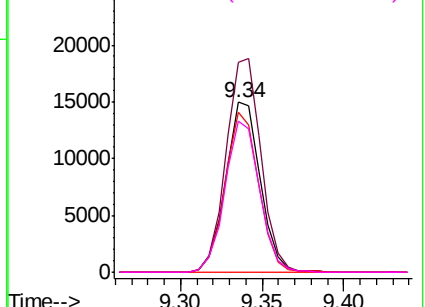
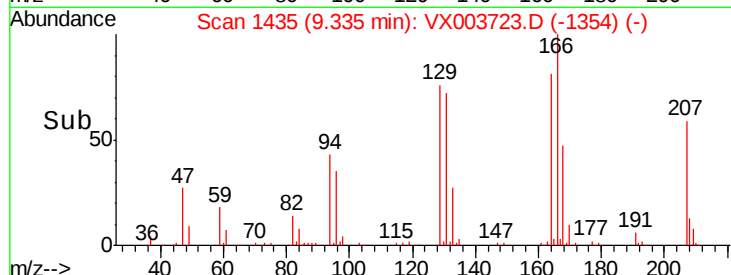
166 123.6 102.4 153.6

129 94.1 70.1 105.1

131 89.1 69.1 103.7



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.73 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003723.D

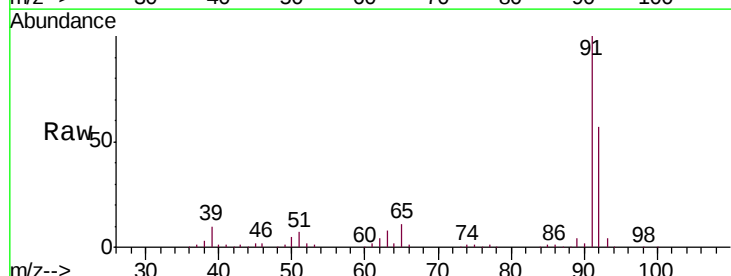
Acq: 27 Jul 2018 20:33

Tgt Ion: 91 Resp: 103486

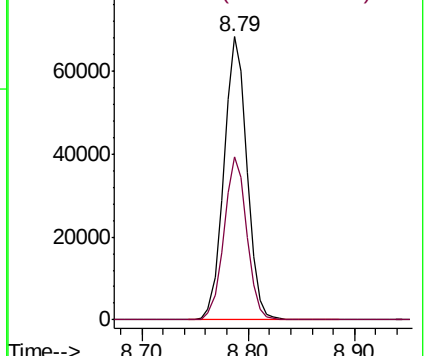
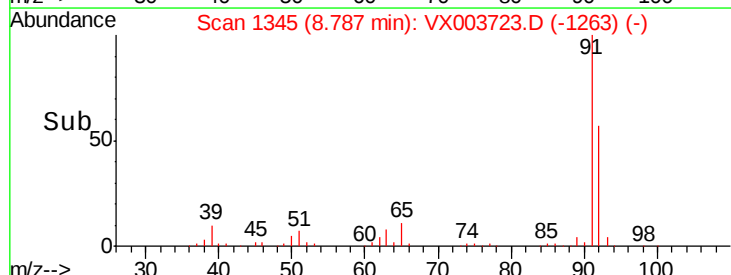
Ion Ratio Lower Upper

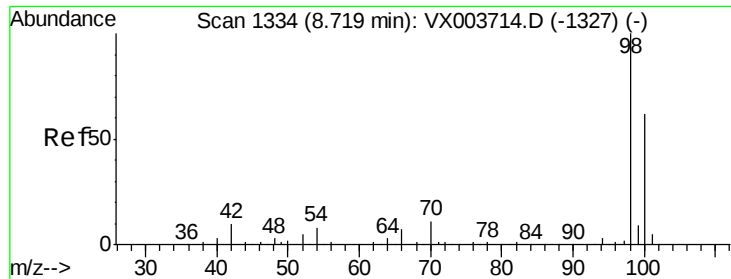
91 100

92 57.0 46.5 69.7



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0

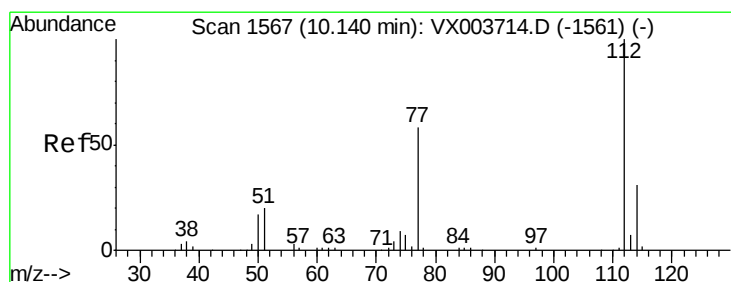
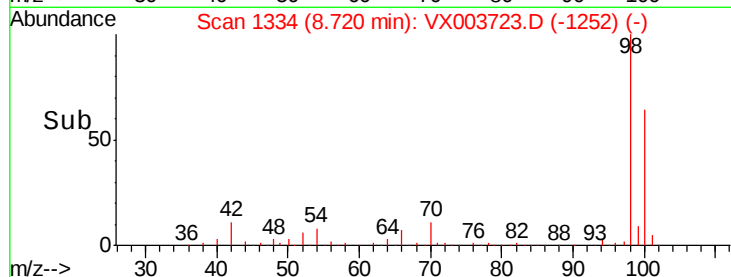
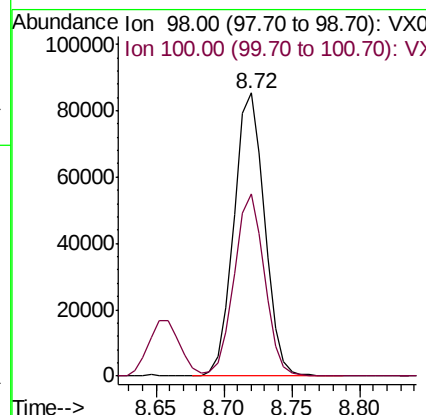
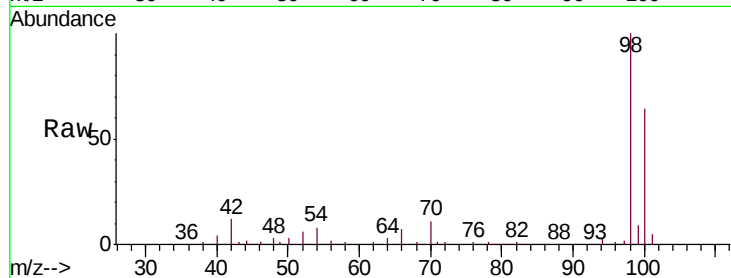




#63
Toluene-d8
Concen: 30.84 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

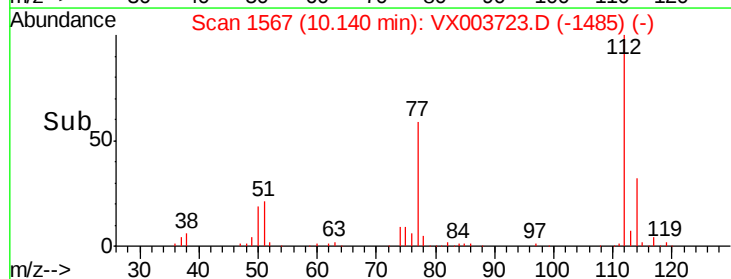
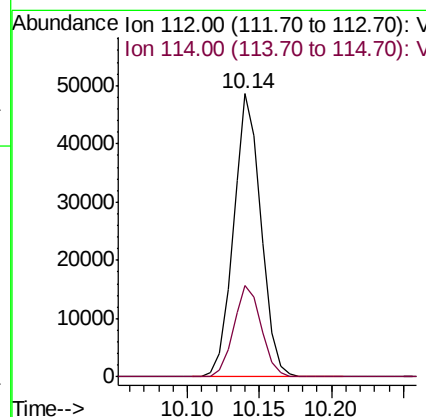
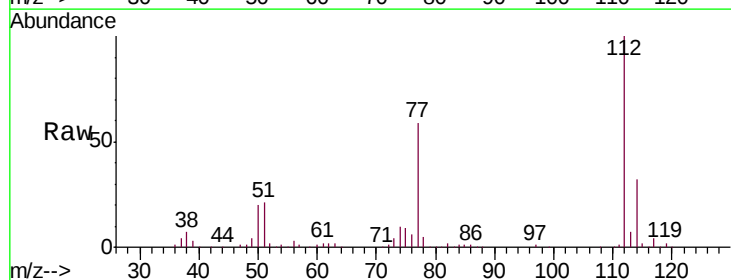
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

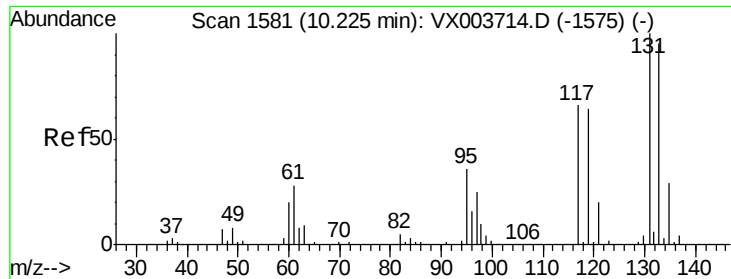
Tot Ion: 98 Resp: 133636
Ion Ratio Lower Upper
98 100
100 64.0 50.8 76.2



#64
Chlorobenzene
Concen: 20.06 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Tgt Ion: 112 Resp: 64722
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 20.03 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

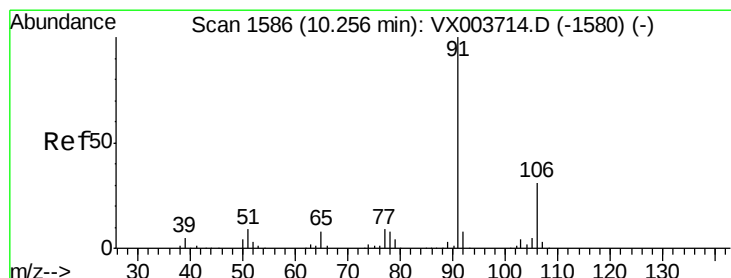
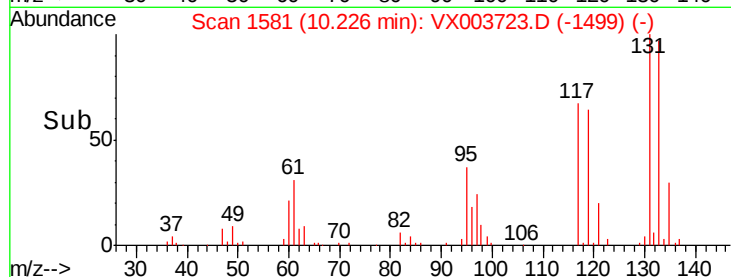
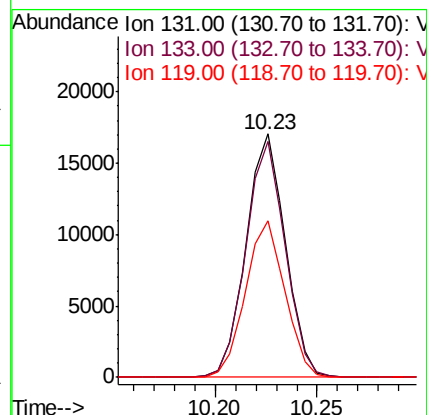
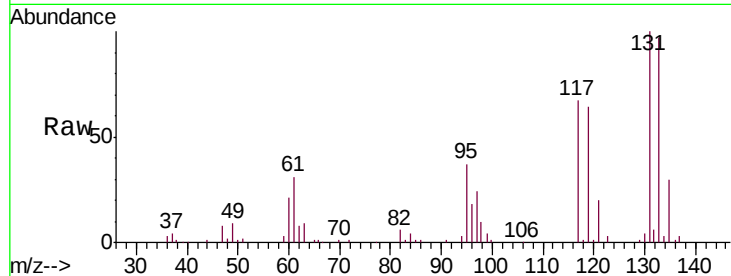
Tot Ion:131 Resp: 22861

Ion Ratio Lower Upper

131 100

133 96.8 0.0 191.2

119 64.6 0.0 125.4



#66

Ethyl Benzene

Concen: 19.92 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003723.D

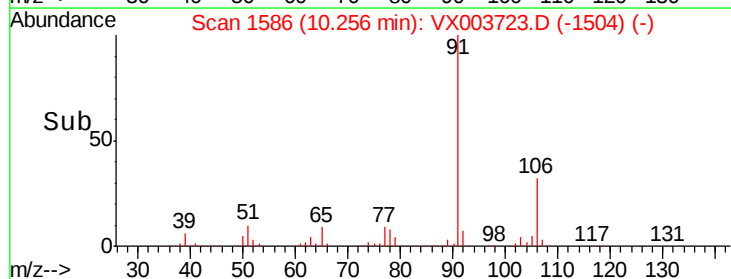
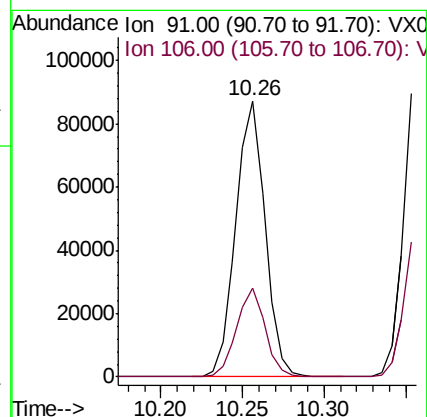
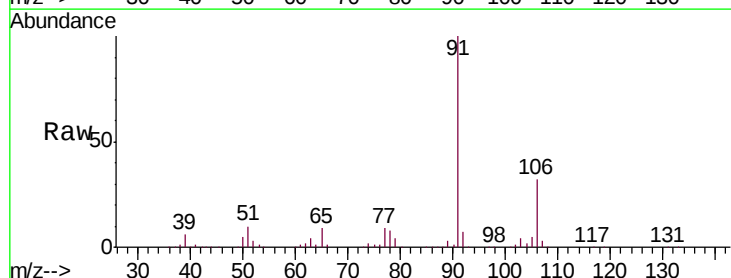
Acq: 27 Jul 2018 20:33

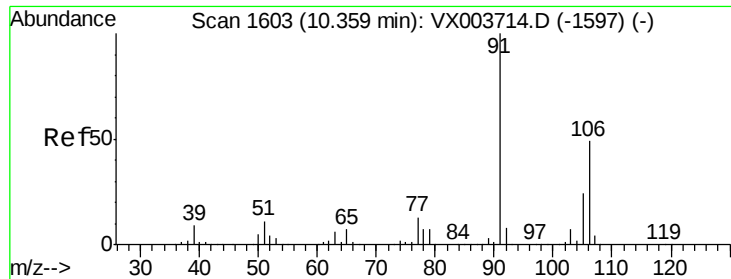
Tgt Ion: 91 Resp: 109421

Ion Ratio Lower Upper

91 100

106 32.0 25.2 37.8

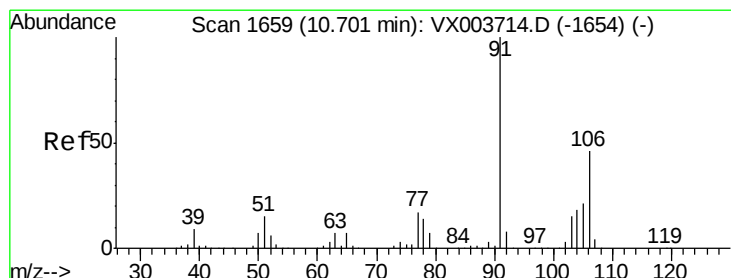
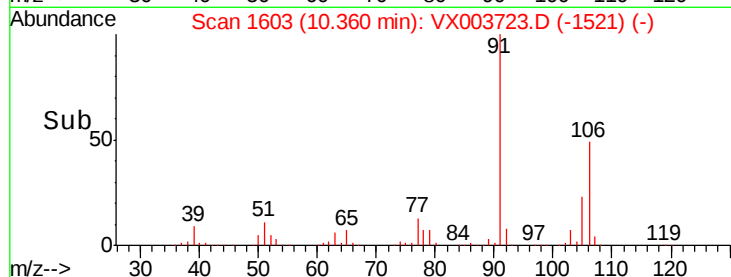
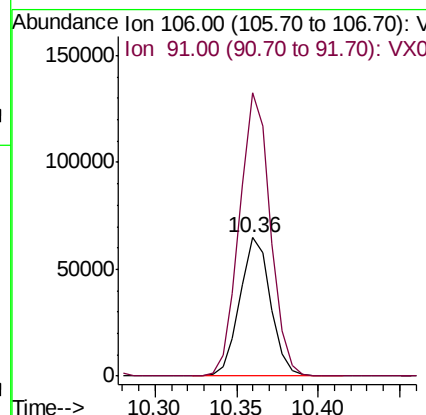
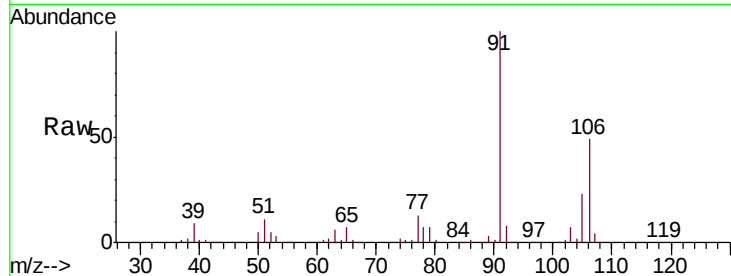




#67
m/p-Xvlenes
Concen: 40.48 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

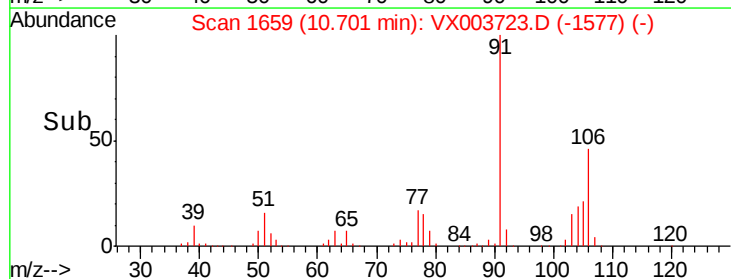
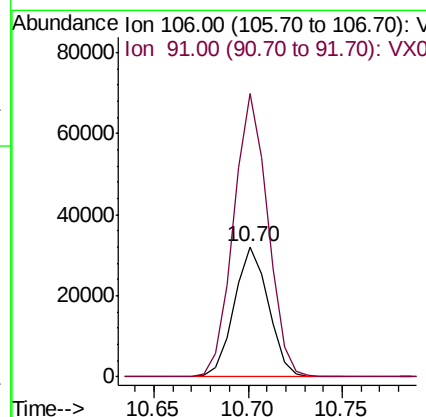
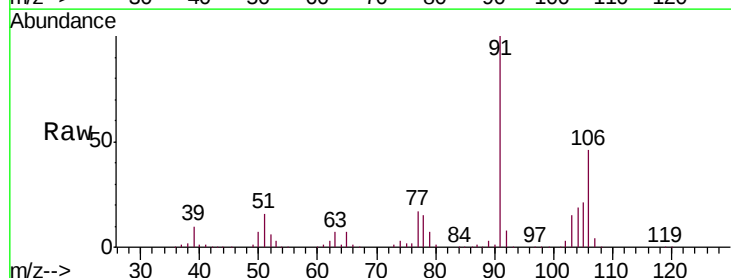
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

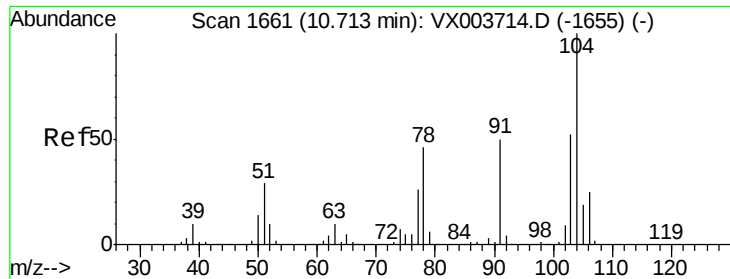
Tot Ion:106 Resp: 85658
Ion Ratio Lower Upper
106 100
91 205.1 164.1 246.1



#68
o-Xylene
Concen: 20.04 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Tgt Ion:106 Resp: 40566
Ion Ratio Lower Upper
106 100
91 217.4 109.1 327.3

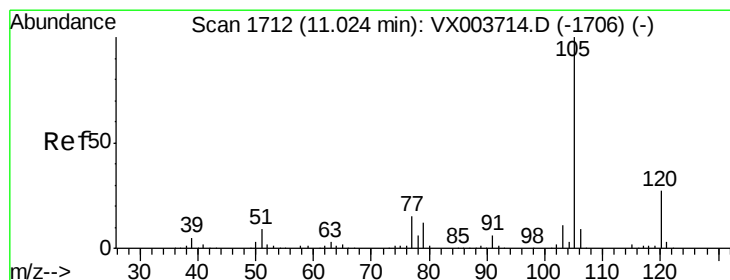
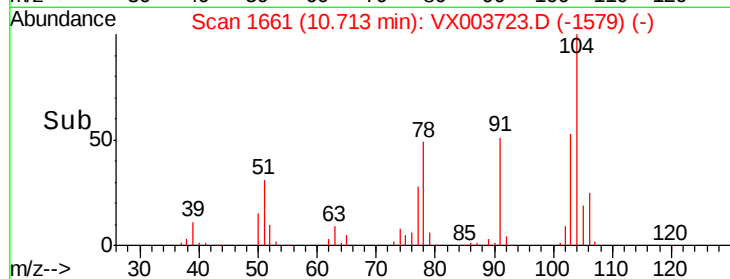
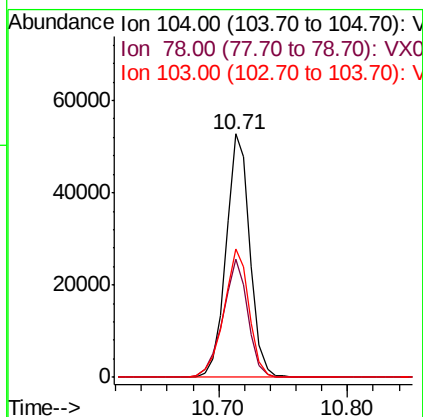
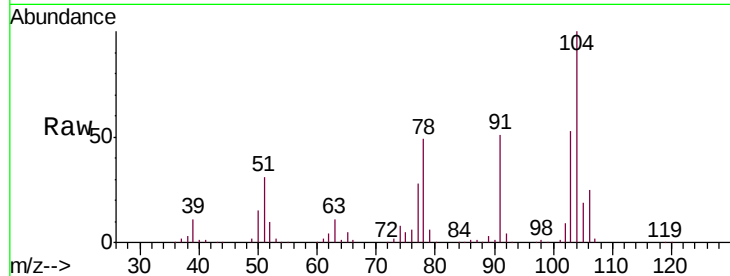




#69
Stvrene
Concen: 19.94 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

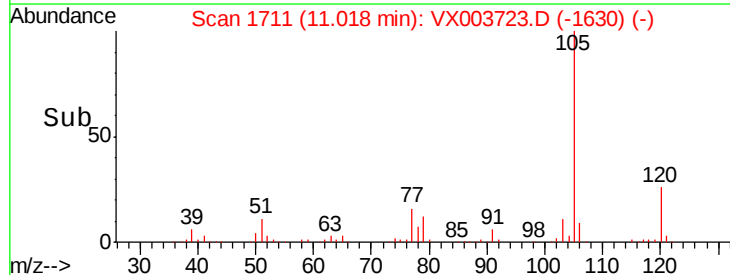
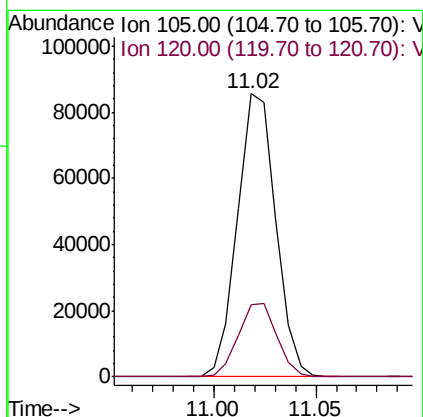
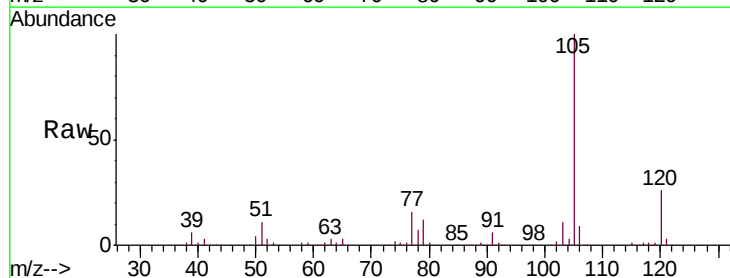
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

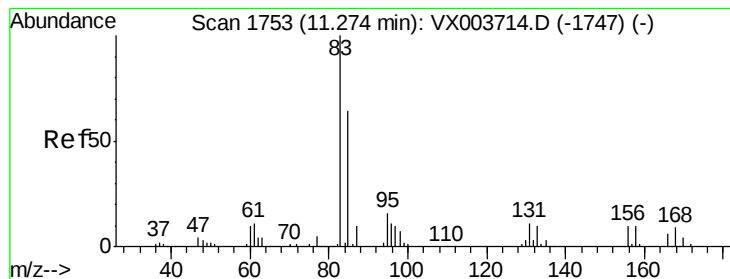
Tot Ion:104 Resp: 68344
Ion Ratio Lower Upper
104 100
78 51.2 41.8 62.8
103 56.1 44.9 67.3



#70
Isopropylbenzene
Concen: 20.08 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. -0.01 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Tgt Ion:105 Resp: 111929
Ion Ratio Lower Upper
105 100
120 26.2 19.0 35.2





#71

1,1,2,2-Tetrachloroethane

Concen: 20.89 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

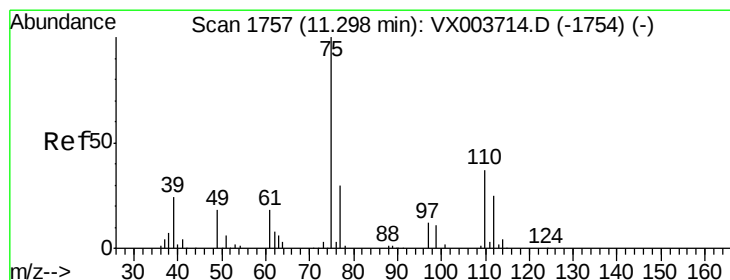
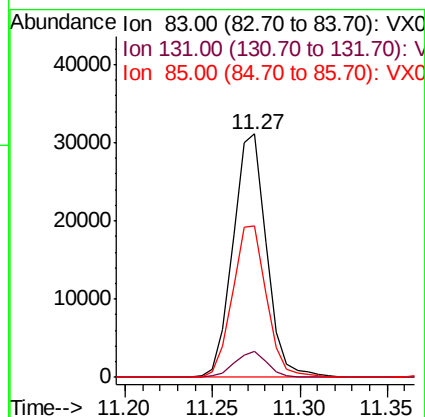
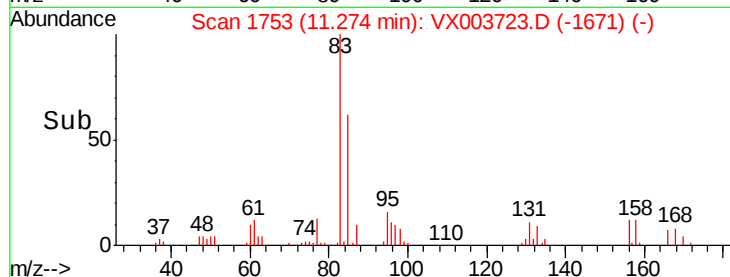
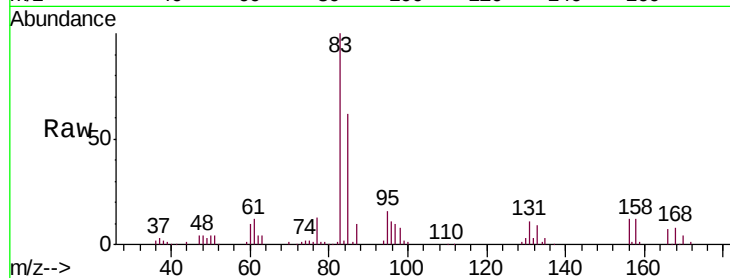
Tot Ion: 83 Resp: 41565

Ion Ratio Lower Upper

83 100

131 10.2 5.4 16.2

85 63.4 32.4 97.2



#72

1,2,3-Trichloropropane

Concen: 27.48 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003723.D

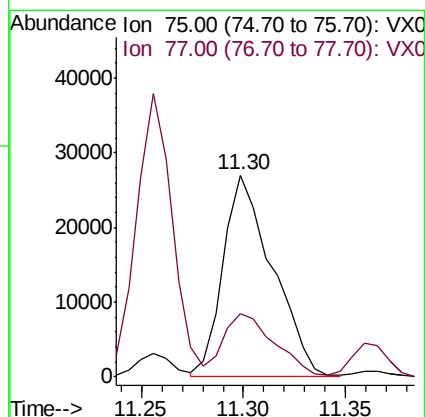
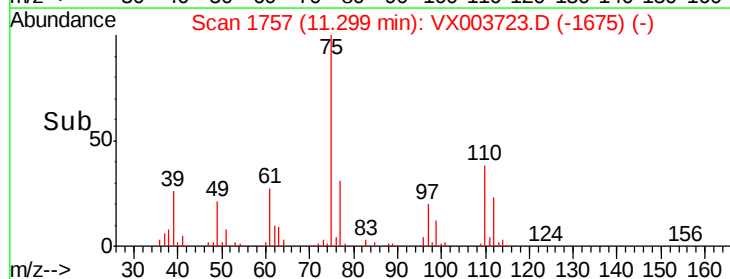
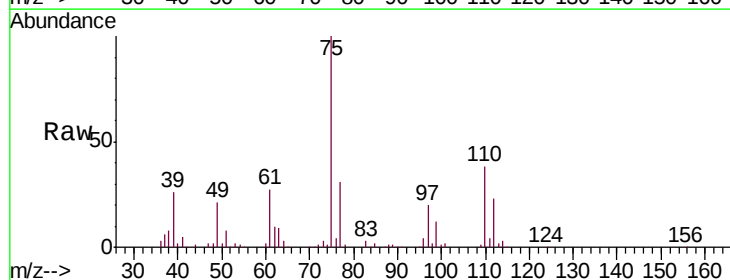
Acq: 27 Jul 2018 20:33

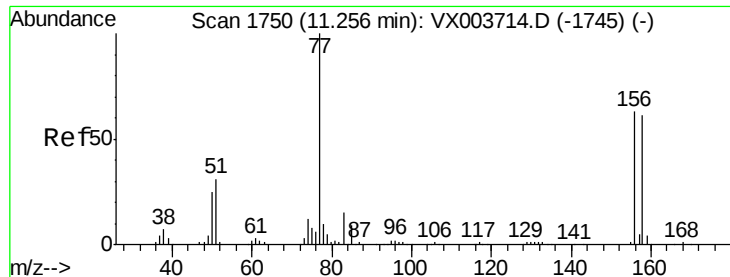
Tgt Ion: 75 Resp: 45485

Ion Ratio Lower Upper

75 100

77 32.4 0.0 71.8





#73

Bromobenzene

Concen: 19.90 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

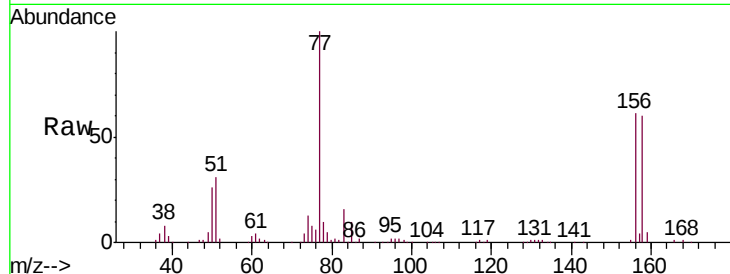
Tot Ion:156 Resp: 29897

Ion Ratio Lower Upper

156 100

77 155.3 0.0 301.0

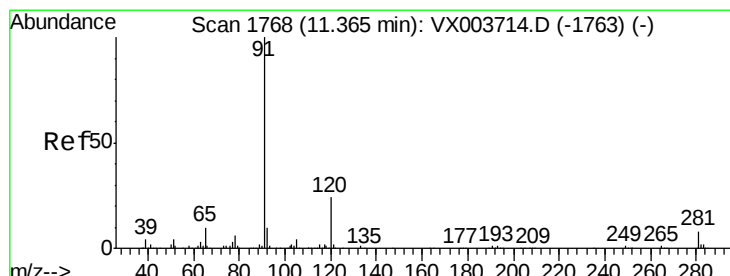
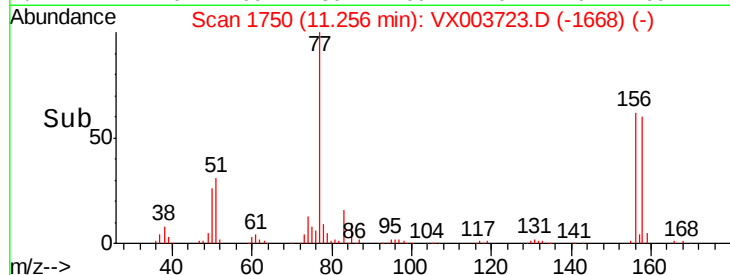
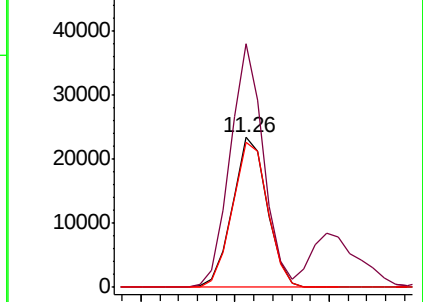
158 98.0 0.0 196.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.82 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX003723.D

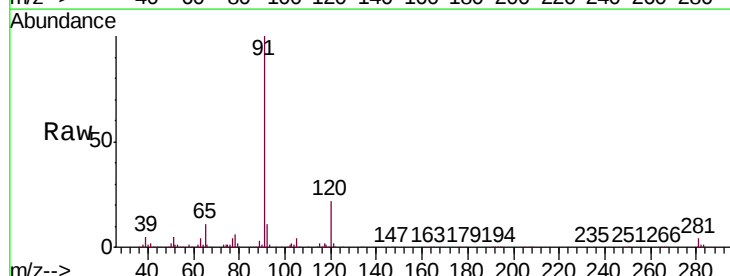
Acq: 27 Jul 2018 20:33

Tgt Ion: 91 Resp: 136664

Ion Ratio Lower Upper

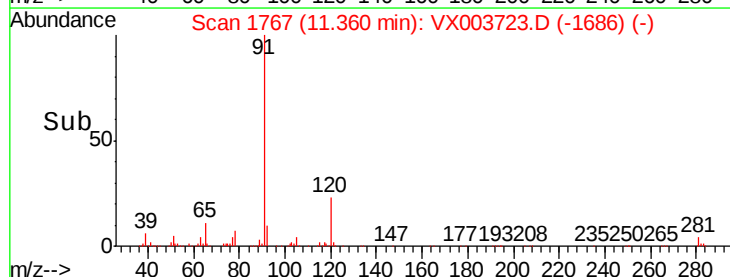
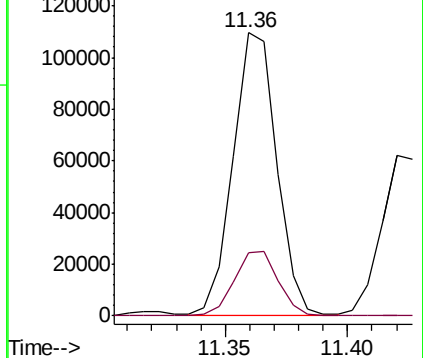
91 100

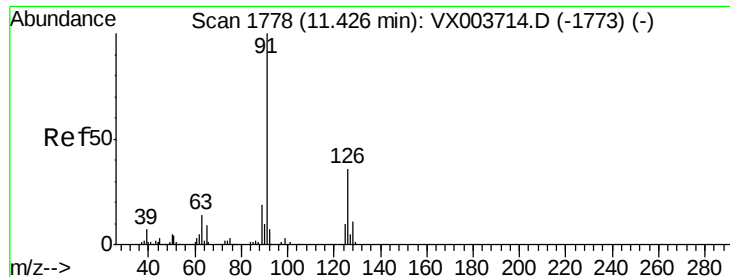
120 22.7 0.0 46.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.89 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

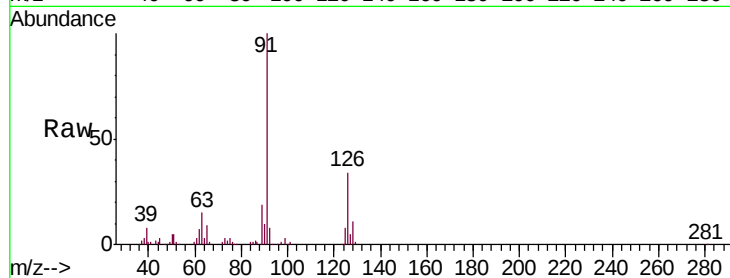
VSTDCCC020EC

Tot Ion: 91 Resp: 80842

Ion Ratio Lower Upper

91 100

126 34.0 0.0 69.4



Abundance Ion 91.00 (90.70 to 91.70): VX003714.D (-1773) (-)

Ion 126.00 (125.70 to 126.70): VX003714.D (-1773) (-)

120000

100000

80000

60000

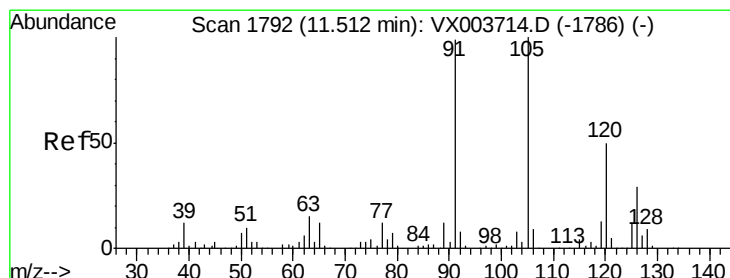
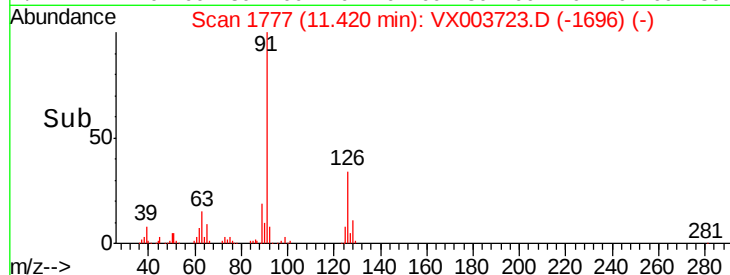
40000

20000

0

11.40 11.42 11.45

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.48 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003723.D

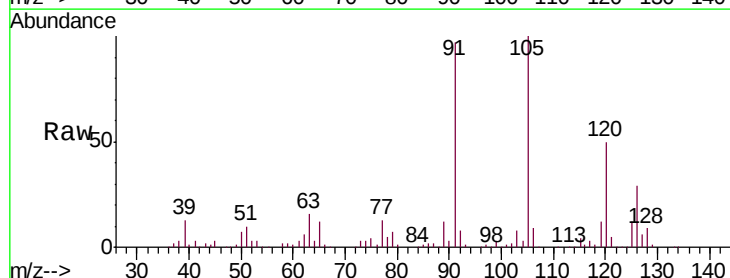
Acq: 27 Jul 2018 20:33

Tgt Ion: 105 Resp: 96880

Ion Ratio Lower Upper

105 100

120 48.7 0.0 96.8



Abundance Ion 105.00 (104.70 to 105.70): VX003714.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX003714.D (-1786) (-)

80000

60000

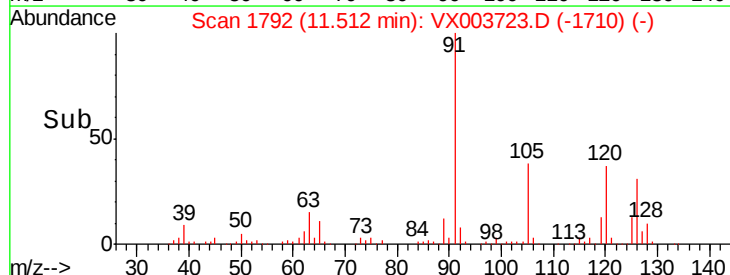
40000

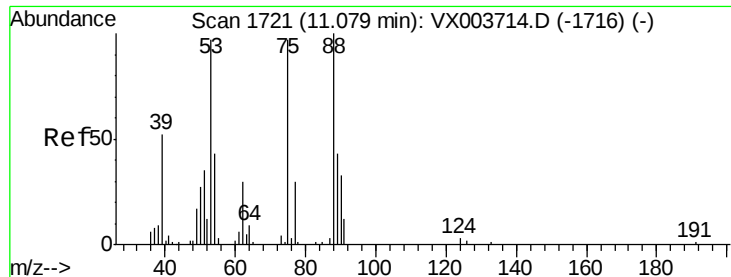
20000

0

11.45 11.50 11.55

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 18.10 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

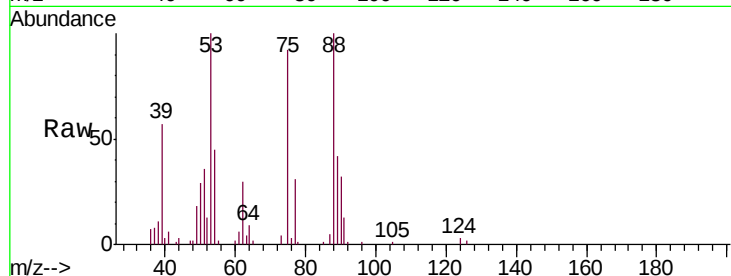
Tot Ion: 75 Resp: 10208

Ion Ratio Lower Upper

75 100

53 109.2 48.3 144.9

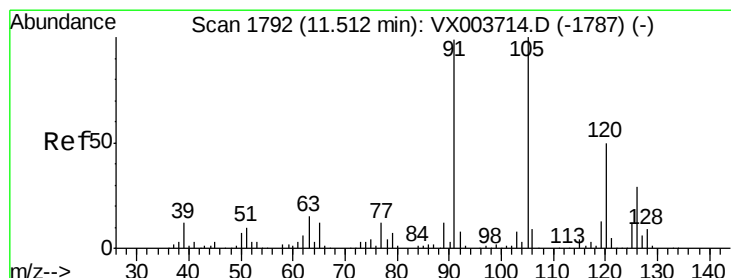
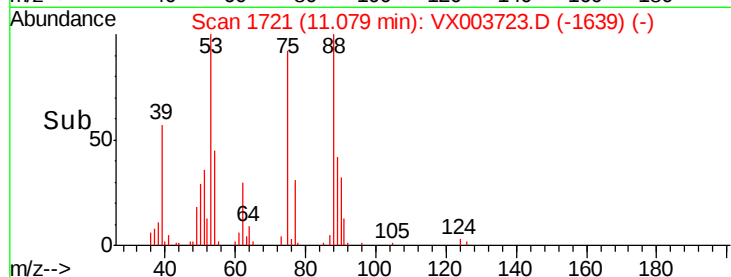
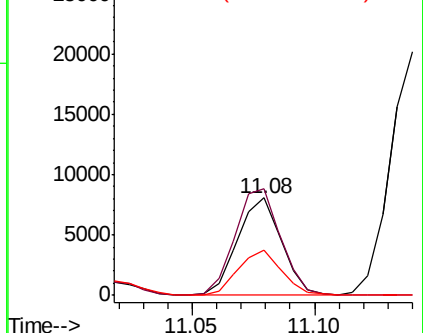
89 46.2 21.8 65.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 20.60 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003723.D

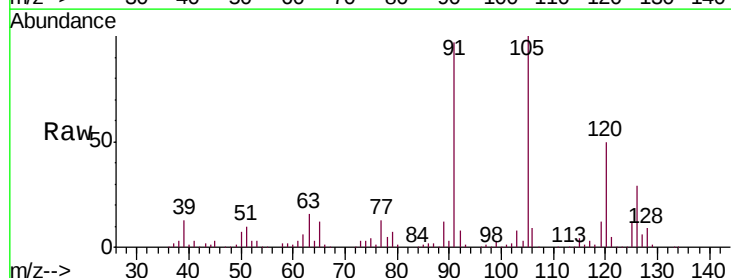
Acq: 27 Jul 2018 20:33

Tgt Ion: 91 Resp: 93246

Ion Ratio Lower Upper

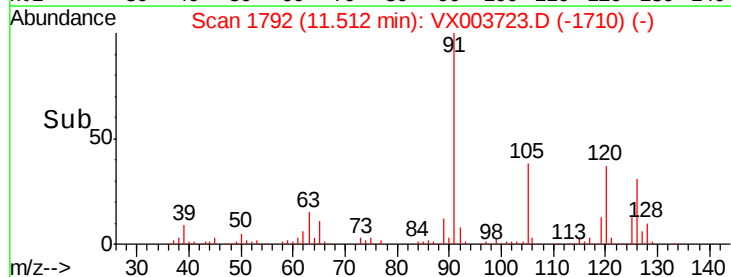
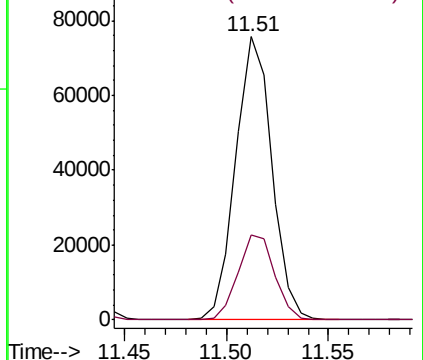
91 100

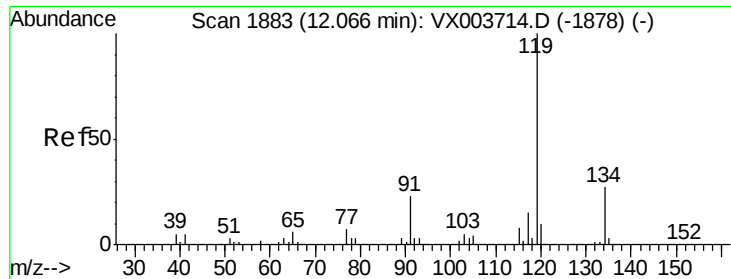
126 30.5 0.0 61.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

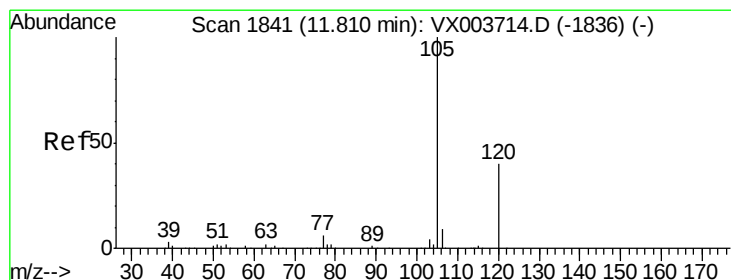
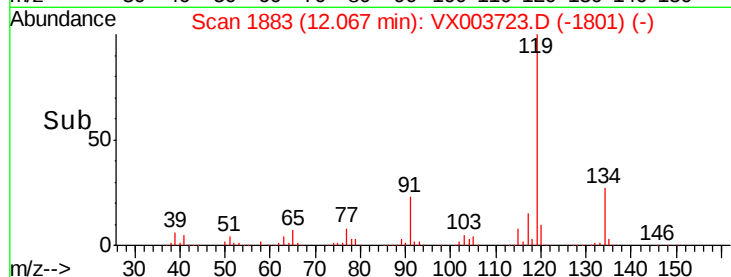
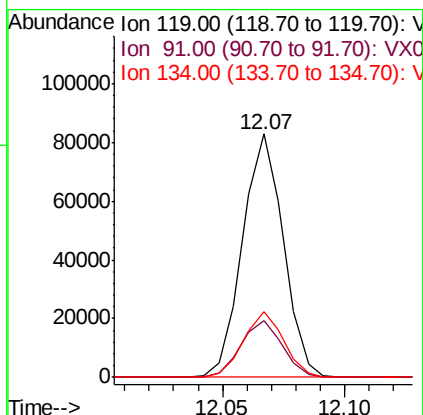
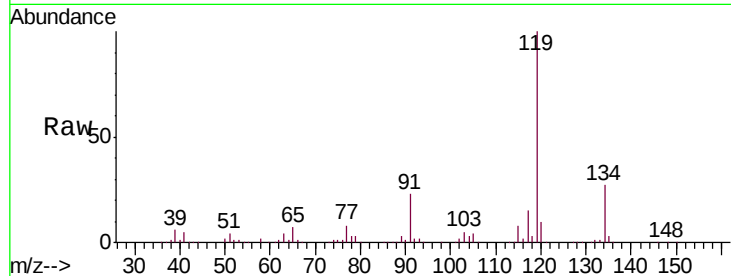




#79
tert-butylbenzene
Concen: 19.71 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

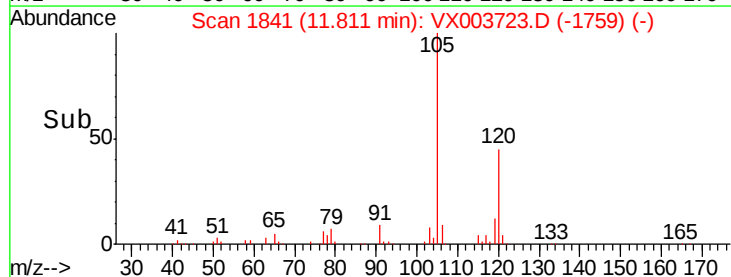
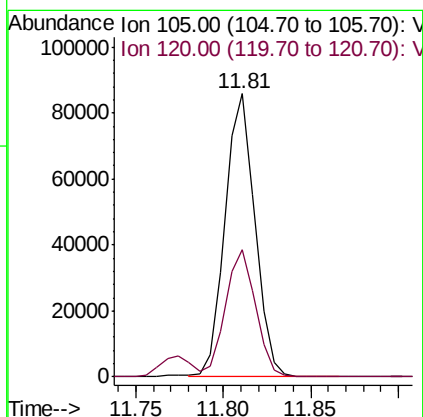
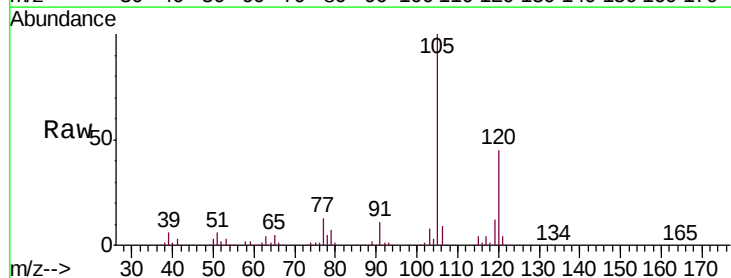
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

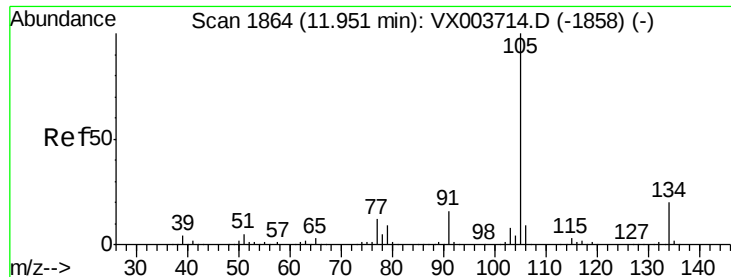
Tot Ion:119 Resp: 95920
Ion Ratio Lower Upper
119 100
91 23.8 0.0 48.0
134 26.6 0.0 52.6



#80
1,2,4-Trimethylbenzene
Concen: 21.03 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Tgt Ion:105 Resp: 101803
Ion Ratio Lower Upper
105 100
120 45.5 0.0 89.2

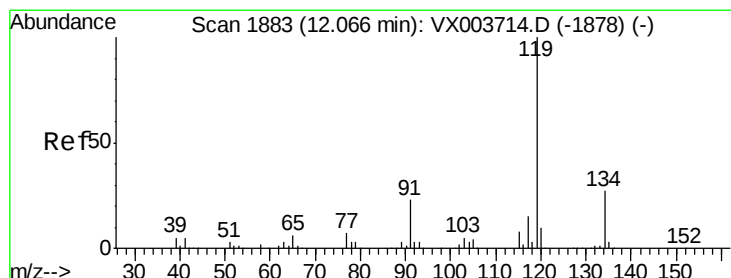
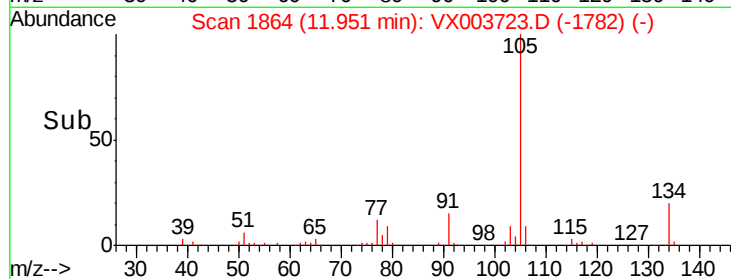
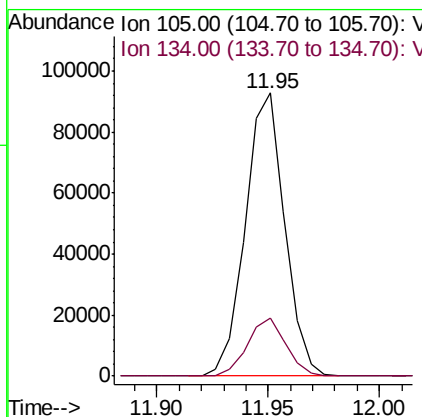
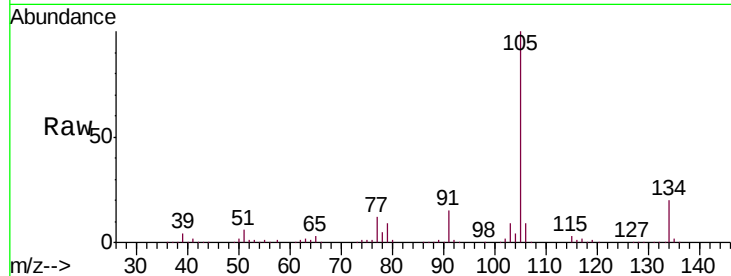




#81
 sec-Butylbenzene
 Concen: 20.75 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

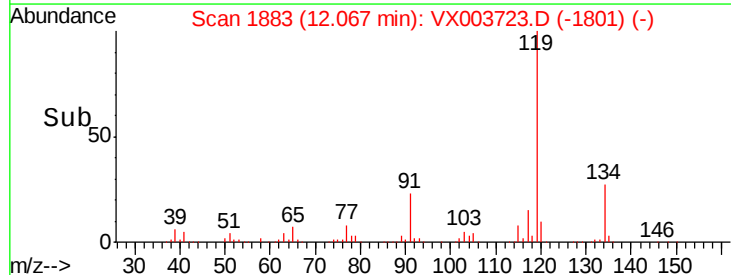
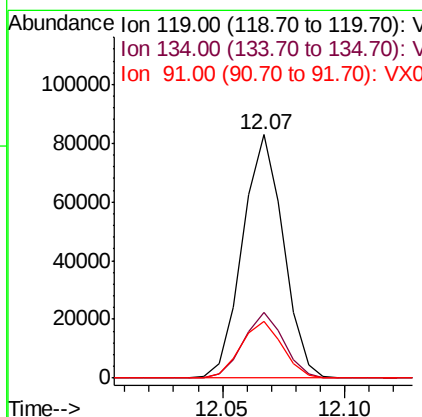
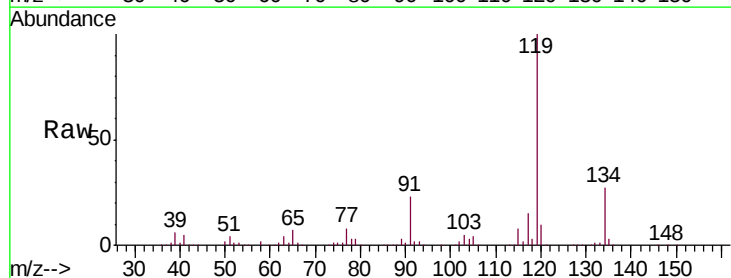
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

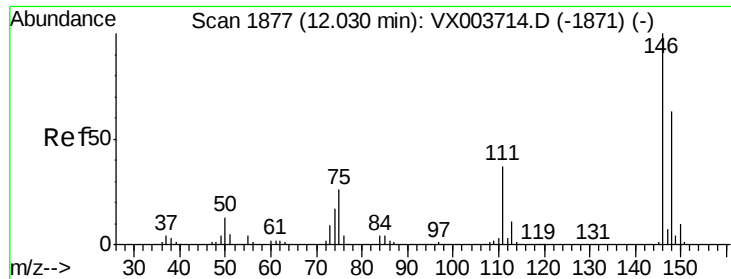
Tot Ion:105 Resp: 114292
 Ion Ratio Lower Upper
 105 100
 134 19.9 0.0 41.6



#82
 p-Isopropyltoluene
 Concen: 19.71 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Tgt Ion:119 Resp: 95920
 Ion Ratio Lower Upper
 119 100
 134 26.6 0.0 52.6
 91 23.8 0.0 48.0

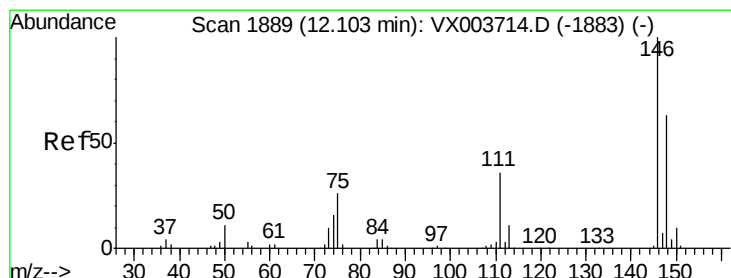
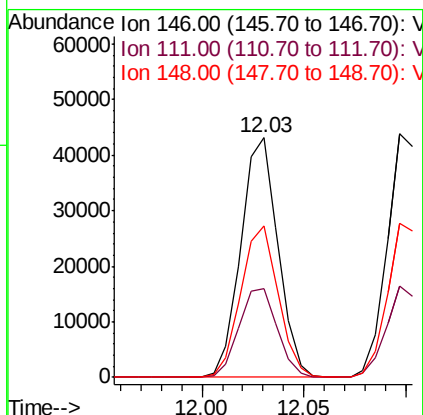
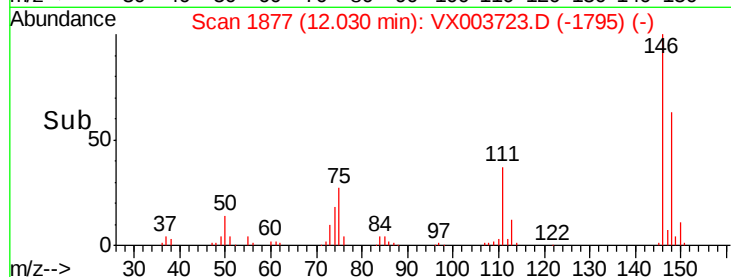
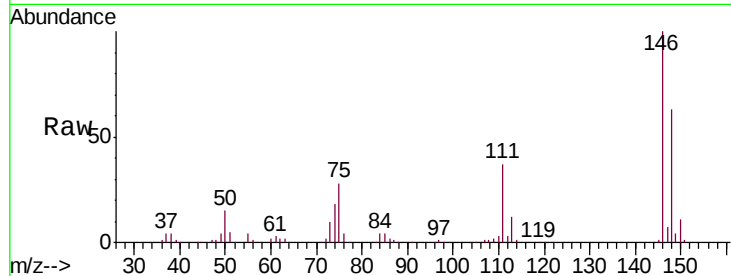




#83
 1,3-Dichlorobenzene
 Concen: 19.88 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

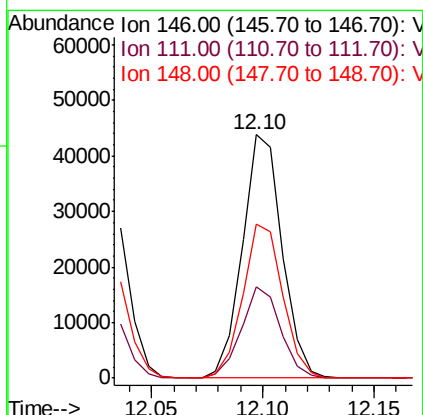
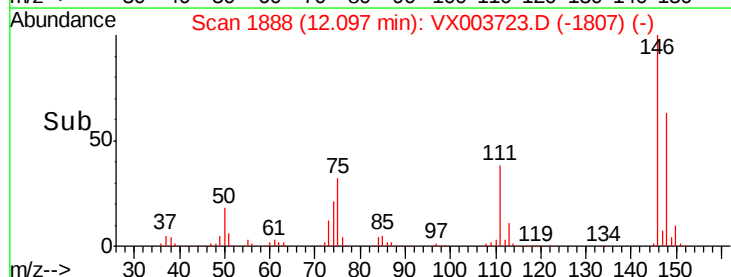
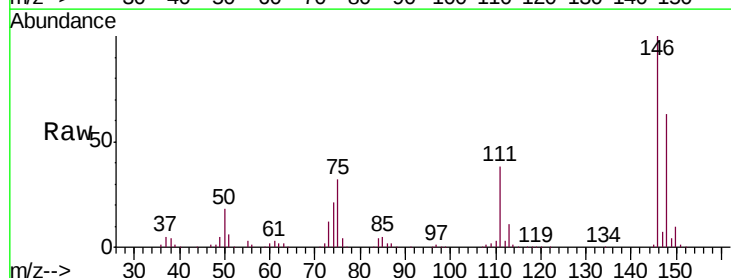
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

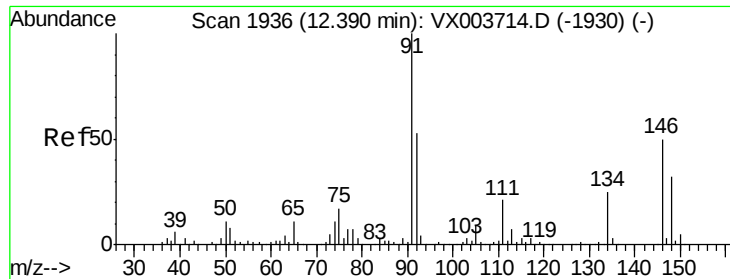
Tot Ion:146 Resp: 54533
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.1 57.5
 148 63.7 31.9 95.7



#84
 1,4-Dichlorobenzene
 Concen: 19.71 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Tgt Ion:146 Resp: 54431
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.5 55.5
 148 64.0 32.0 96.0

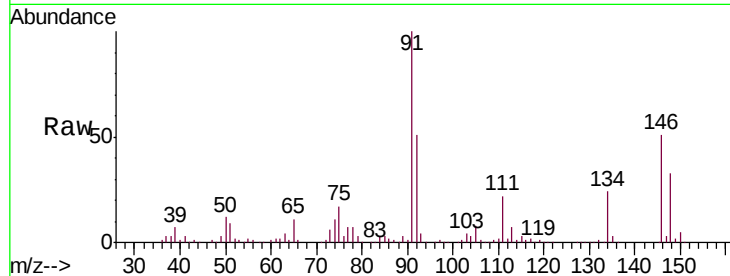




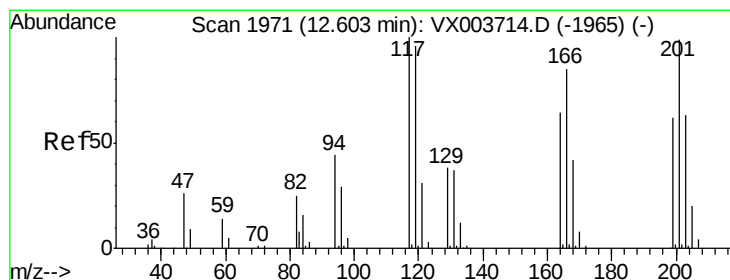
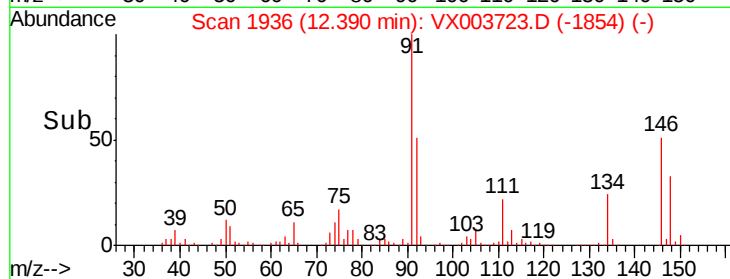
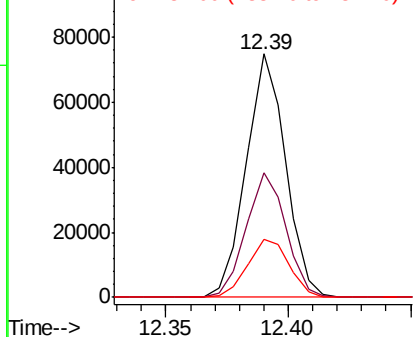
#85
n-Butylbenzene
Concen: 19.46 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion: 91 Resp: 84063
Ion Ratio Lower Upper
91 100
92 51.8 0.0 105.2
134 25.2 0.0 53.2

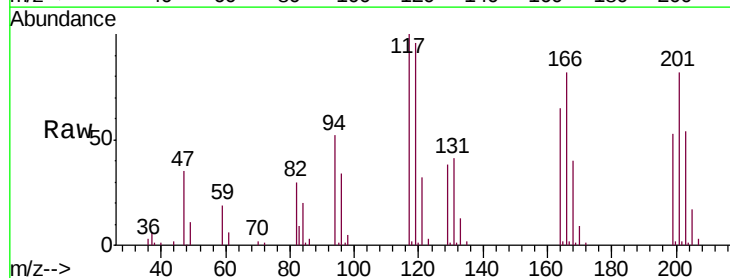


Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0
Ion 134.00 (133.70 to 134.70): V

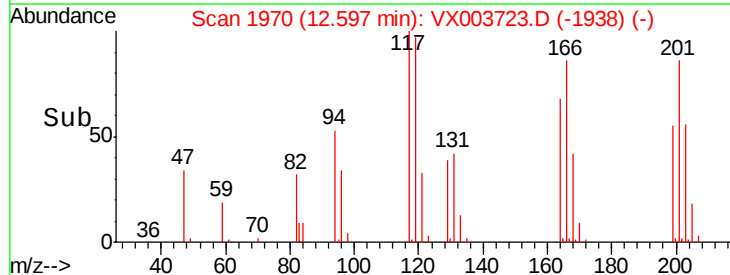
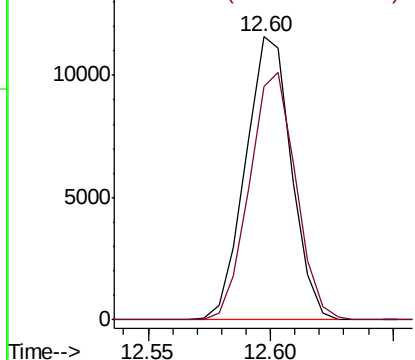


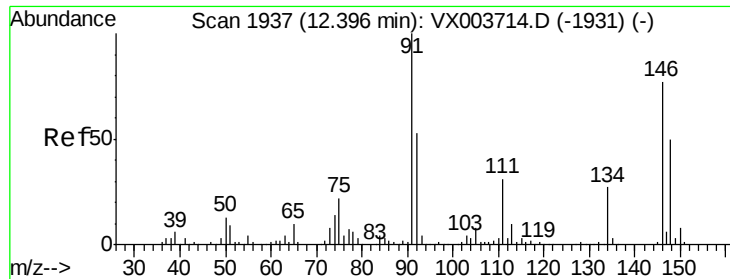
#86
Hexachloroethane
Concen: 19.33 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.01 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Tgt Ion: 117 Resp: 15157
Ion Ratio Lower Upper
117 100
201 88.3 47.6 142.8



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 201.00 (200.70 to 201.70): V

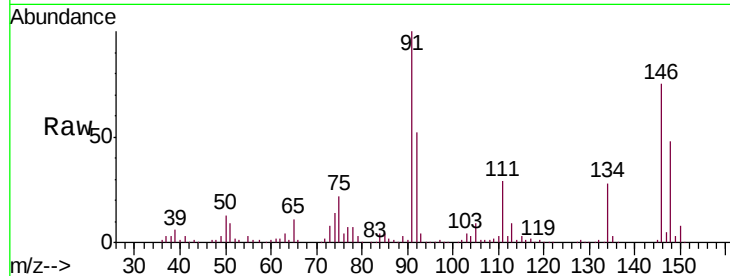




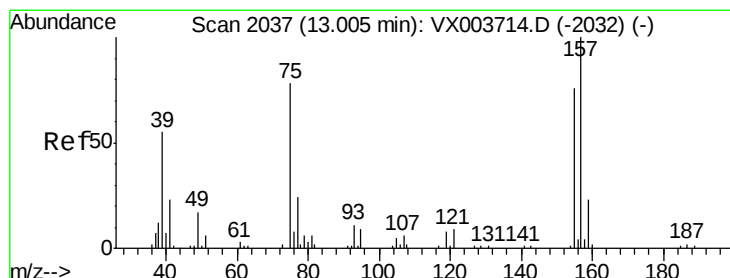
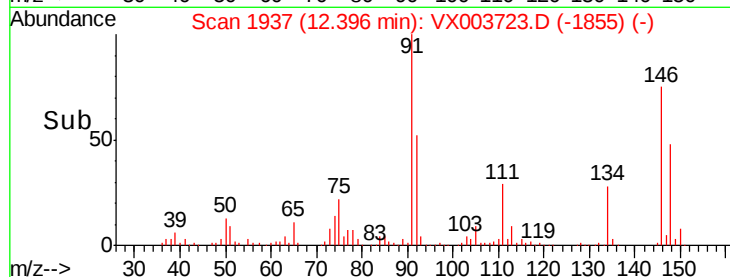
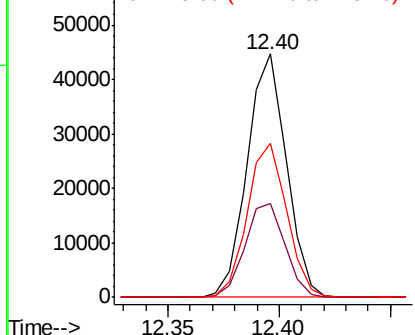
#87
 1,2-Dichlorobenzene
 Concen: 19.98 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:146 Resp: 55015
 Ion Ratio Lower Upper
 146 100
 111 39.7 20.0 59.9
 148 63.6 32.8 98.3

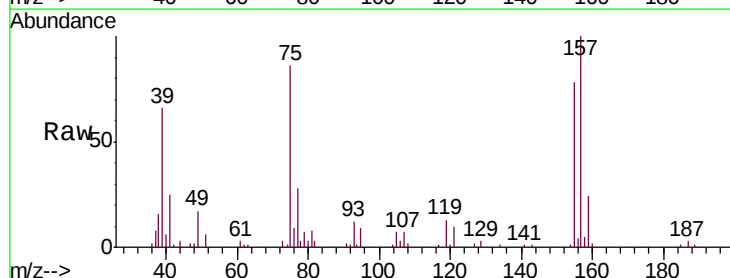


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

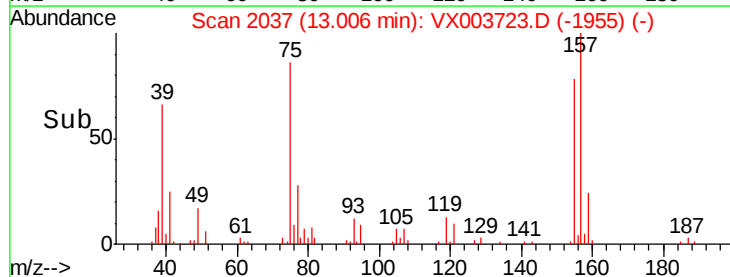
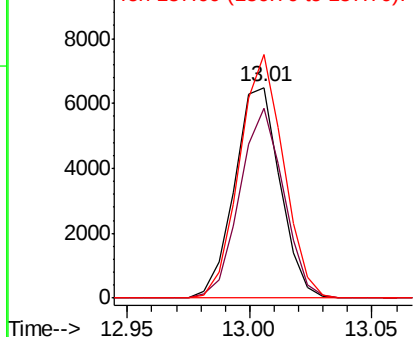


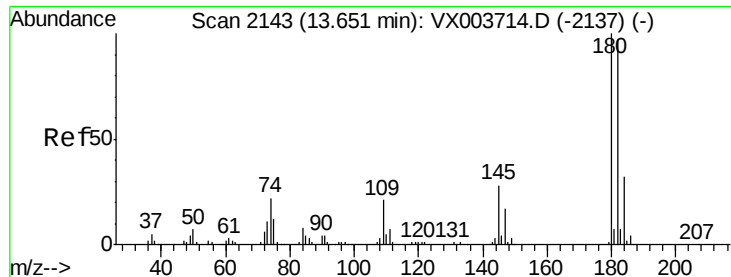
#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.04 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Tgt Ion: 75 Resp: 8416
 Ion Ratio Lower Upper
 75 100
 155 86.8 73.1 109.7
 157 112.1 93.1 139.7



Abundance Ion 75.00 (74.70 to 75.70): VX0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V





#89

1,2,4-Trichlorobenzene

Concen: 20.72 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

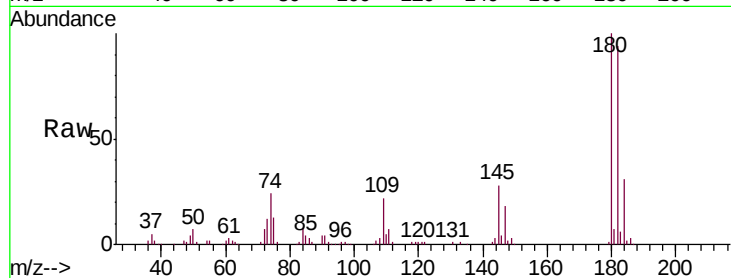
Tot Ion:180 Resp: 40063

Ion Ratio Lower Upper

180 100

182 94.8 76.4 114.6

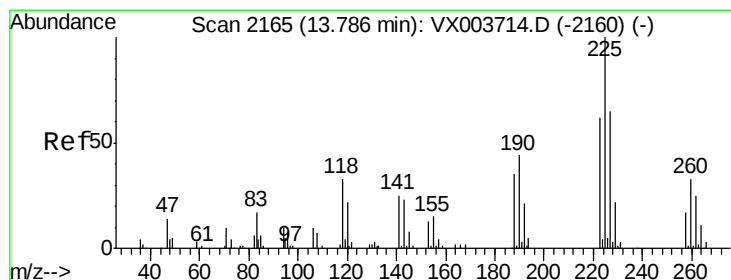
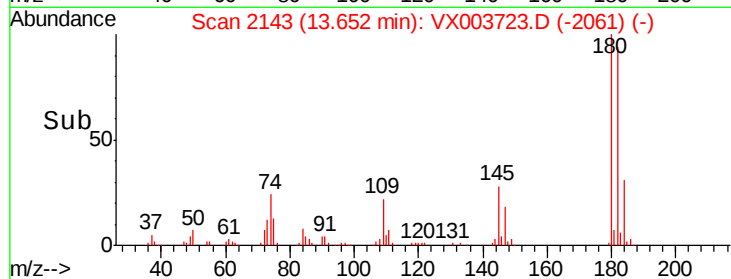
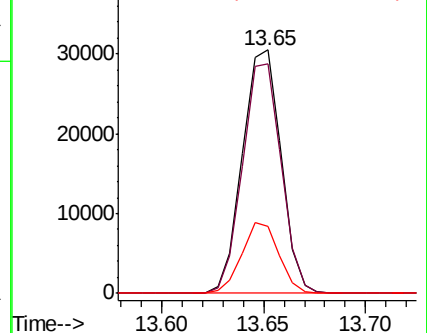
145 28.1 22.9 34.3



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90

Hexachlorobutadiene

Concen: 22.52 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

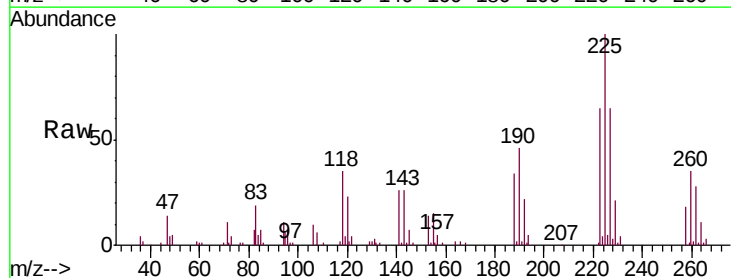
Tgt Ion:225 Resp: 19735

Ion Ratio Lower Upper

225 100

223 63.3 0.0 122.4

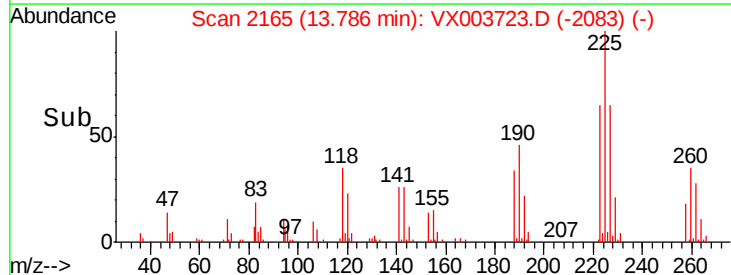
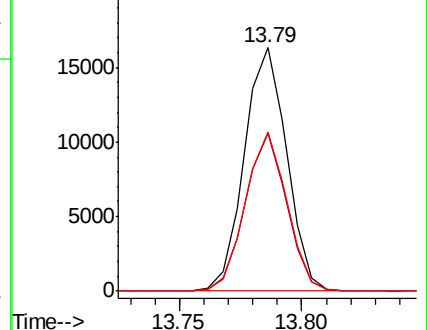
227 63.8 0.0 128.0

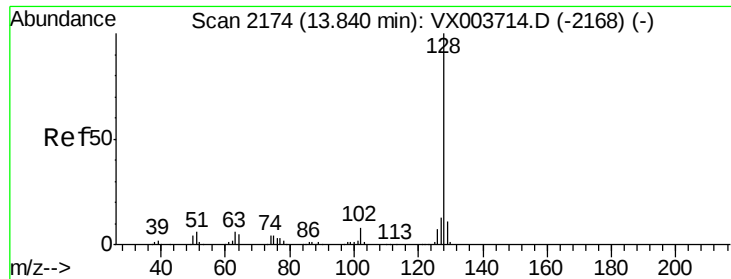


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

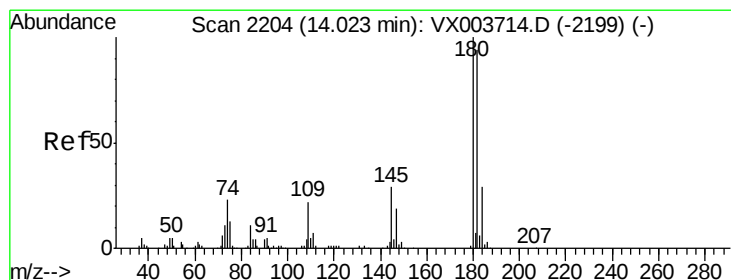
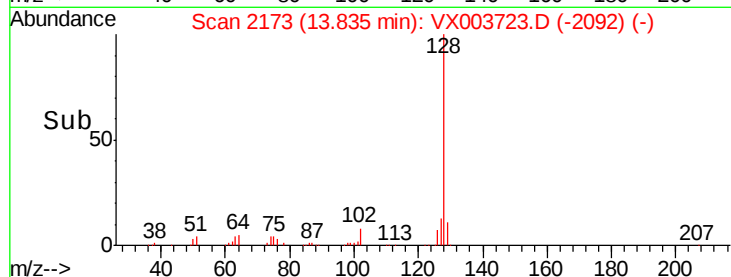
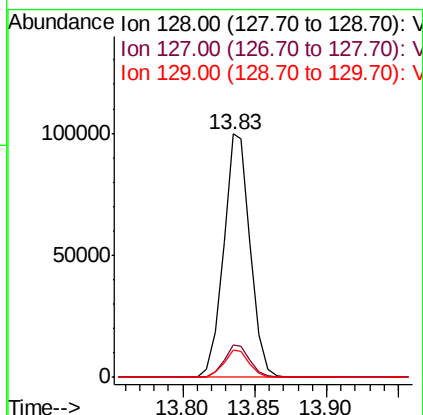
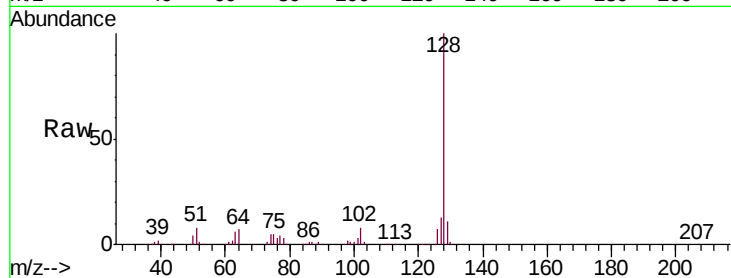




#91
Naphthalene
Concen: 21.72 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.01 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.8	8.9	13.3



#92
1,2,3-Trichlorobenzene
Concen: 20.23 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	0.0	191.0
145	30.0	0.0	60.6

