

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080718\
 Data File : VX003895.D
 Acq On : 07 Aug 2018 22:19
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Quant Time: Aug 08 04:15:55 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	69799	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	377820	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	349282	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	145587	28.41	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.70%
60) 4-Bromofluorobenzene	11.14	95	164184	29.19	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.30%
63) Toluene-d8	8.72	98	466258	29.63	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.77%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	100743	27.33	ug/l	99
3) Chloromethane	1.32	50	101856	20.53	ug/l	99
4) Vinyl Chloride	1.40	62	103332	19.80	ug/l	99
5) Bromomethane	1.64	94	61346	19.67	ug/l	99
6) Chloroethane	1.72	64	68950	20.19	ug/l	99
7) Trichlorofluoromethane	1.93	101	133375	19.00	ug/l	99
8) Diethyl Ether	2.19	74	58128	19.32	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	81539	19.16	ug/l	93
10) 1,1-Dichloroethene	2.37	96	76048	19.00	ug/l	93
11) Methyl Iodide	2.51	142	95736	17.26	ug/l	93
12) Methyl Acetate	2.78	43	160364	21.66	ug/l	96
13) Acrolein	2.29	56	73080	126.55	ug/l	99
14) Acrylonitrile	3.15	53	263320	90.25	ug/l	99
15) Acetone	2.45	58	73682	93.07	ug/l	81
16) Carbon Disulfide	2.57	76	203254	18.29	ug/l	100
17) Allyl chloride	2.73	41	146004	17.63	ug/l	91
18) Methylene Chloride	2.86	84	92917	19.60	ug/l	97
19) trans-1,2-Dichloroethene	3.16	96	82326	19.03	ug/l	100
20) Diisopropyl ether	3.87	45	262027	17.23	ug/l	99
21) 1,1-Dichloroethane	3.70	63	160345	18.62	ug/l	98
22) cis-1,2-Dichloroethene	4.60	96	91457	20.94	ug/l #	71
23) tert-Butyl Alcohol	3.07	59	117425	95.82	ug/l	100
24) Methyl tert-Butyl Ether	3.21	73	268333	18.70	ug/l	90
25) Chloroform	5.21	83	152029	20.39	ug/l	99
26) Cyclohexane	5.57	56	128280	19.83	ug/l #	90
29) 1,1-Dichloropropene	5.80	75	112402	20.15	ug/l	98
30) 2-Butanone	4.71	43	335276	94.10	ug/l #	92
31) 2,2-Dichloropropane	4.59	77	87889	16.26	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	125633	19.68	ug/l	99
33) Carbon Tetrachloride	5.78	117	108091	19.49	ug/l	97
34) Benzene	6.15	78	349190	20.37	ug/l	97
35) Methacrylonitrile	5.06	41	69194	18.69	ug/l	91
36) 1,2-Dichloroethane	6.20	62	120360	19.53	ug/l #	94
37) Trichloroethene	7.21	130	91090	20.39	ug/l	92
38) Methylcyclohexane	7.46	83	124638	19.66	ug/l	95
39) 1,2-Dichloropropane	7.52	63	87188	19.25	ug/l	95
40) Dibromomethane	7.67	93	57105	19.48	ug/l	98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	107249	19.15	ug/l	98
42) Vinyl Acetate	3.82	43	1038121	75.83	ug/l	96
43) Ethyl Acetate	4.86	43	121476	18.25	ug/l	98
44) Isopropyl Acetate	6.47	43	186037	18.22	ug/l	93
45) 1,4-Dioxane	7.76	88	46282	408.26	ug/l #	83
46) Methyl methacrylate	7.78	41	99763	18.94	ug/l	87
47) n-amyl Acetate	10.90	43	157783	16.37	ug/l #	89
48) t-1,3-Dichloropropene	8.44	75	125734	18.50	ug/l	100
49) cis-1,3-Dichloropropene	9.04	75	112861	17.70	ug/l	93
50) 1,1,2-Trichloroethane	9.22	97	89328	19.20	ug/l	96
51) Ethyl methacrylate	9.18	69	123886	17.68	ug/l	85
52) 1,3-Dichloropropane	9.37	76	151959	19.62	ug/l	99
53) Dibromochloromethane	9.59	129	84927	18.58	ug/l	100
54) 1,2-Dibromoethane	9.68	107	92703	19.05	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	322693	89.29	ug/l	97
56) Bromoform	10.86	173	63626	17.94	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	643662	97.60	ug/l #	91
59) 2-Hexanone	9.50	43	493610	94.00	ug/l	91
61) Tetrachloroethene	9.34	164	87703	21.58	ug/l	98
62) Toluene	8.79	91	373865	20.62	ug/l	99
64) Chlorobenzene	10.14	112	242914	20.73	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	85668	20.67	ug/l	99
66) Ethyl Benzene	10.26	91	398935	20.00	ug/l	100
67) m/p-Xylenes	10.36	106	320302	41.68	ug/l	95
68) o-Xylene	10.70	106	152301	20.72	ug/l	94
69) Styrene	10.71	104	248399	19.96	ug/l	96
70) Isopropylbenzene	11.02	105	406011	20.06	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	138471	19.17	ug/l	100
72) 1,2,3-Trichloropropane	11.30	75	153292	25.51	ug/l	93
73) Bromobenzene	11.26	156	107814	19.77	ug/l	99
74) n-propylbenzene	11.36	91	464513	19.49	ug/l	99
75) 2-Chlorotoluene	11.42	91	280215	19.94	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	334919	19.50	ug/l	96
77) t-1,4-Dichloro-2-butene	11.08	75	33808	16.51	ug/l	98
78) 4-Chlorotoluene	11.51	91	318300	19.36	ug/l	99
79) tert-butylbenzene	12.07	119	327654	18.54	ug/l	98
80) 1,2,4-Trimethylbenzene	11.81	105	345475	19.66	ug/l	95
81) sec-Butylbenzene	11.94	105	391224	19.56	ug/l	100
82) p-Isopropyltoluene	12.07	119	327654	18.54	ug/l	98
83) 1,3-Dichlorobenzene	12.03	146	183652	18.44	ug/l	98
84) 1,4-Dichlorobenzene	12.10	146	187754	18.72	ug/l	97
85) n-Butylbenzene	12.39	91	254824	16.25	ug/l	97
86) Hexachloroethane	12.60	117	46195	16.22	ug/l	96
87) 1,2-Dichlorobenzene	12.40	146	176668	17.67	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.00	75	24065	15.78	ug/l	94
89) 1,2,4-Trichlorobenzene	13.65	180	135493	19.30	ug/l	98
90) Hexachlorobutadiene	13.79	225	62287	19.57	ug/l	99
91) Naphthalene	13.83	128	425958	19.85	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	144696	20.24	ug/l	99

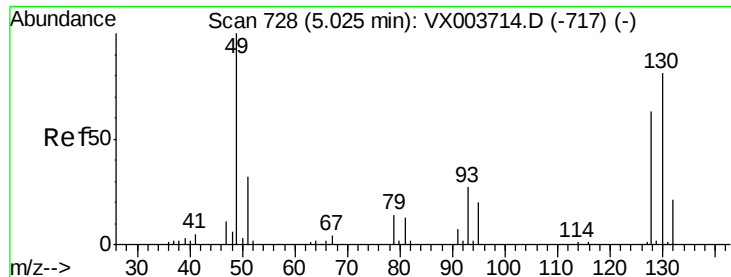
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.03 min Scan# 728

Delta R.T. 0.00 min

Lab File: VX003895.D

Acq: 07 Aug 2018 22:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

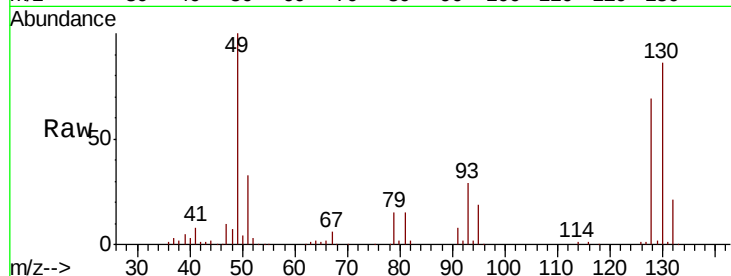
Tot Ion:128 Resp: 69799

Ion Ratio Lower Upper

128 100

49 154.7 0.0 423.0

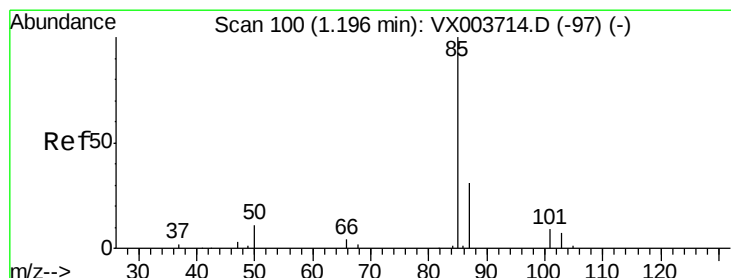
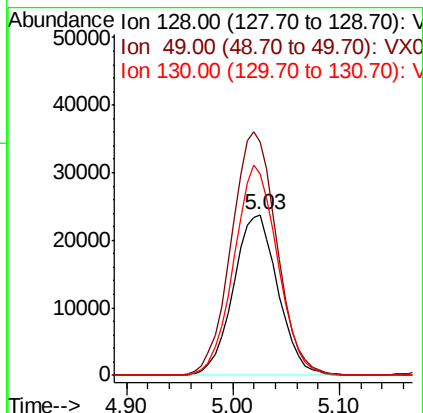
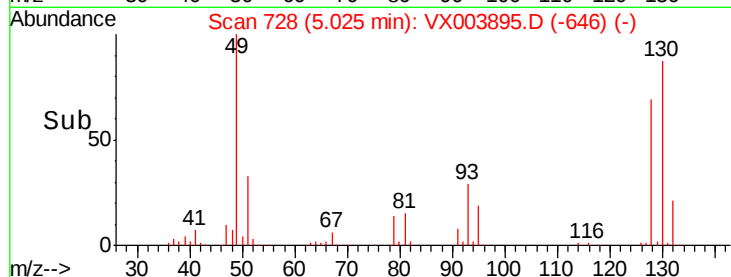
130 128.7 0.0 324.3



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: 27.33 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003895.D

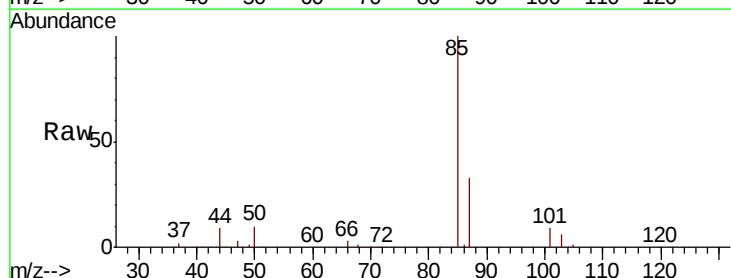
Acq: 07 Aug 2018 22:19

Tgt Ion: 85 Resp: 100743

Ion Ratio Lower Upper

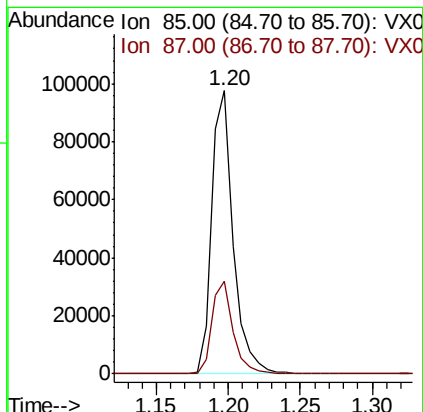
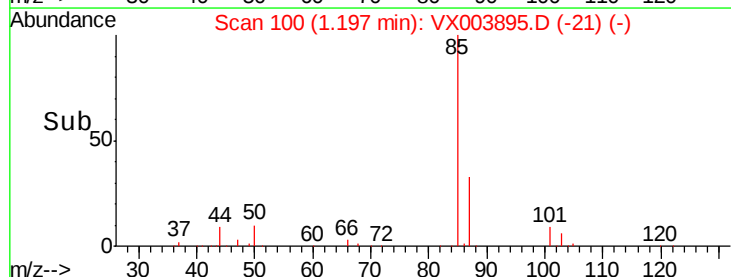
85 100

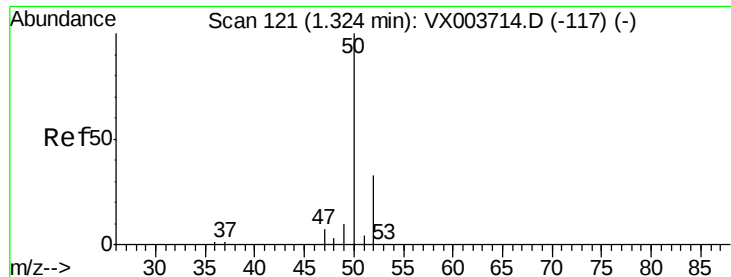
87 32.8 16.2 48.5



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 20.53 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003895.D

Acq: 07 Aug 2018 22:19

Instrument :

MSVOA_X

ClientSampleId :

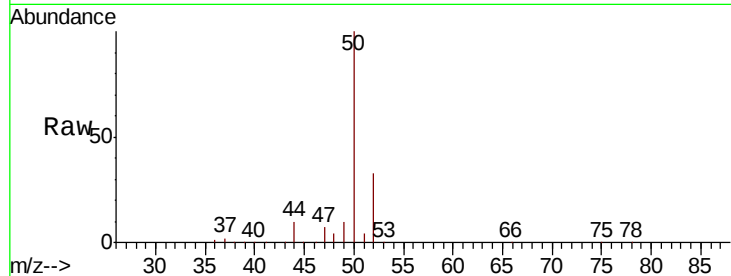
VSTDCCC020

Tot Ion: 50 Resp: 101856

Ion Ratio Lower Upper

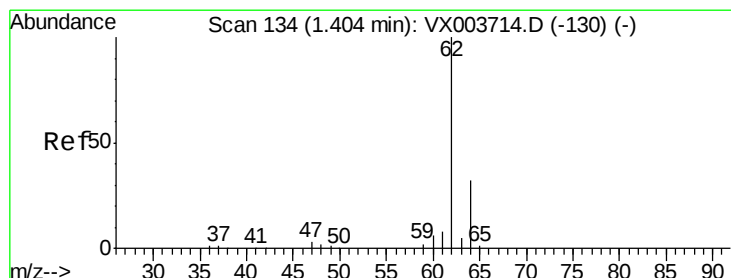
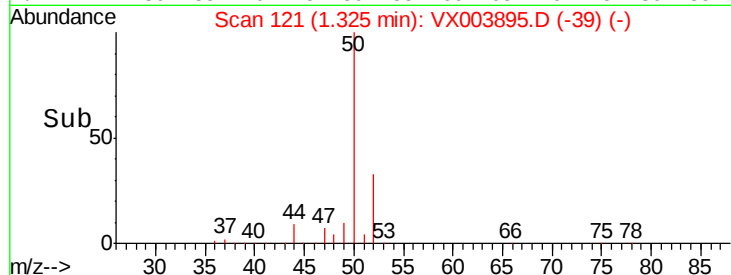
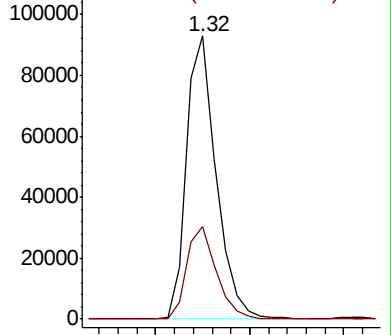
50 100

52 32.6 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: 19.80 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003895.D

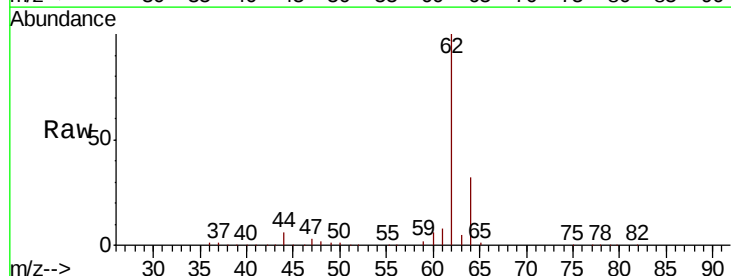
Acq: 07 Aug 2018 22:19

Tgt Ion: 62 Resp: 103332

Ion Ratio Lower Upper

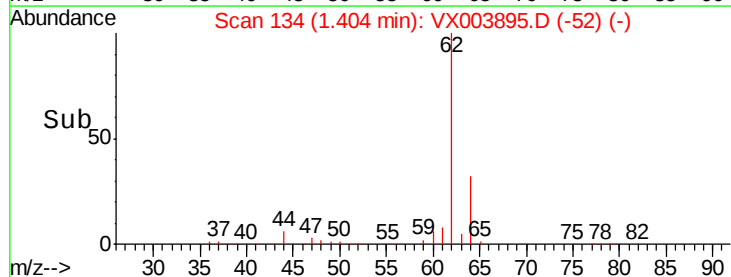
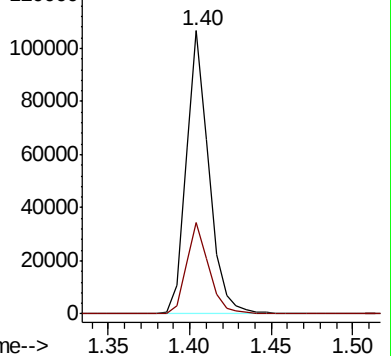
62 100

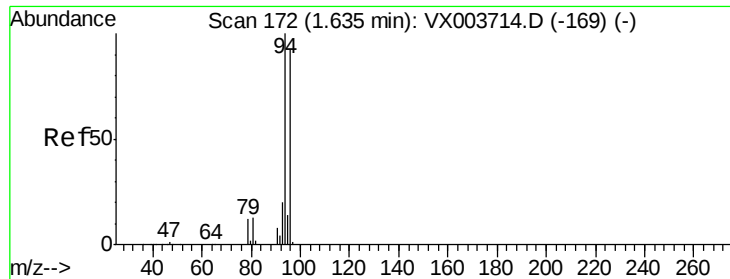
64 32.3 25.3 37.9



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 19.67 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003895.D

Acq: 07 Aug 2018 22:19

Instrument :

MSVOA_X

ClientSampleId :

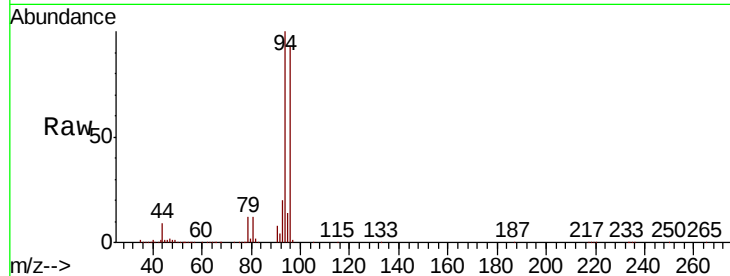
VSTDCCC020

Tot Ion: 94 Resp: 61346

Ion Ratio Lower Upper

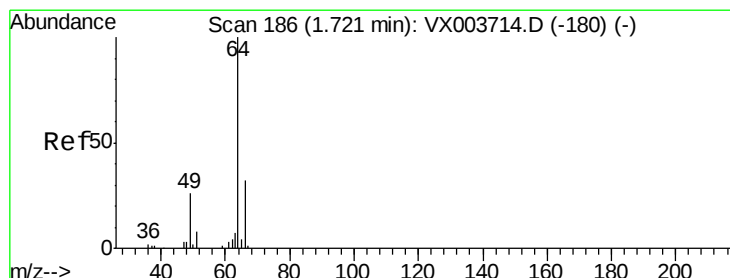
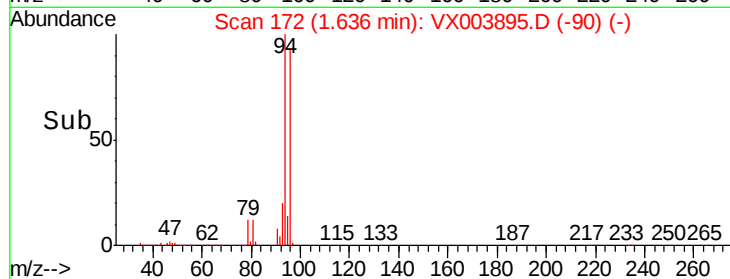
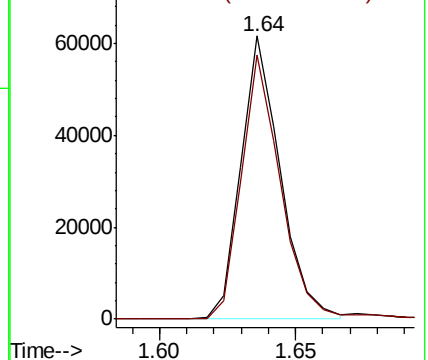
94 100

96 93.2 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: 20.19 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX003895.D

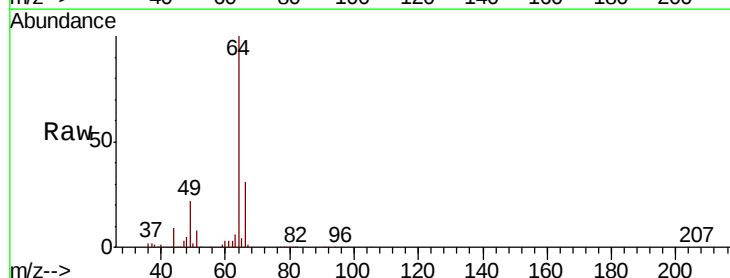
Acq: 07 Aug 2018 22:19

Tgt Ion: 64 Resp: 68950

Ion Ratio Lower Upper

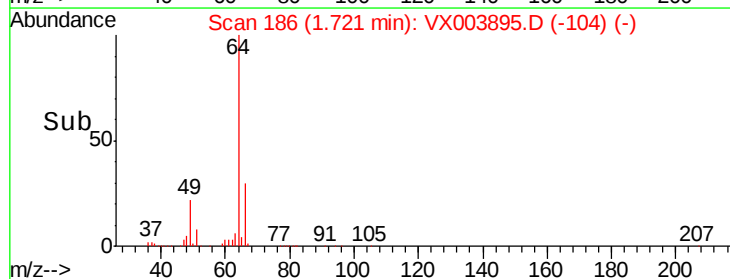
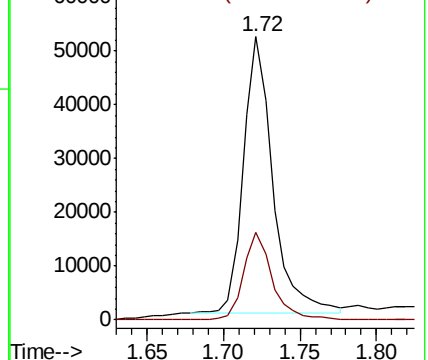
64 100

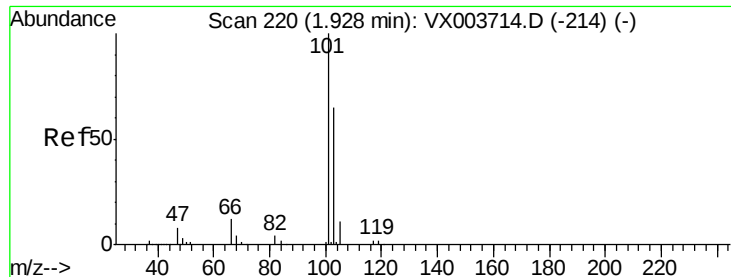
66 31.2 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



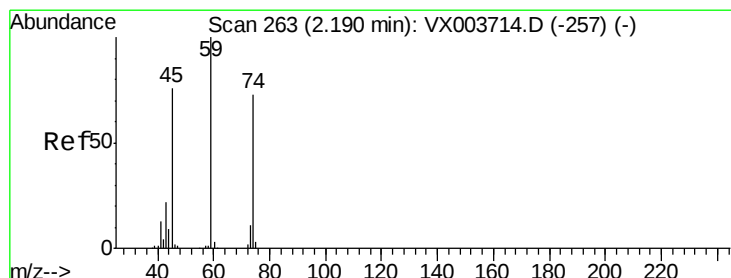
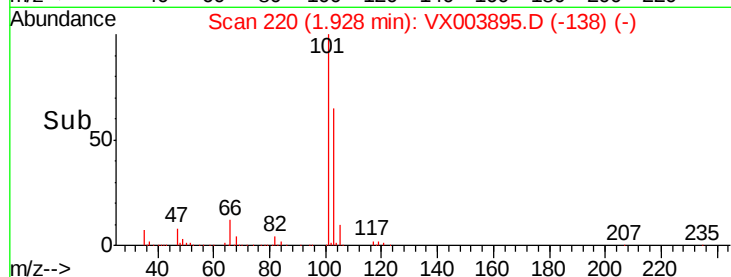
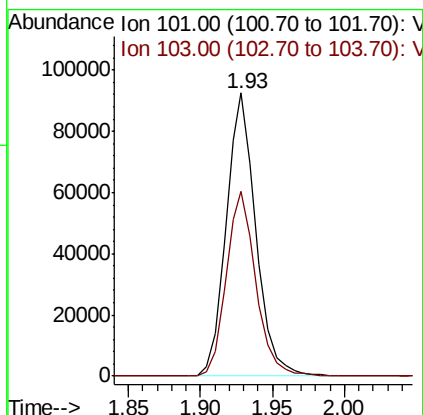
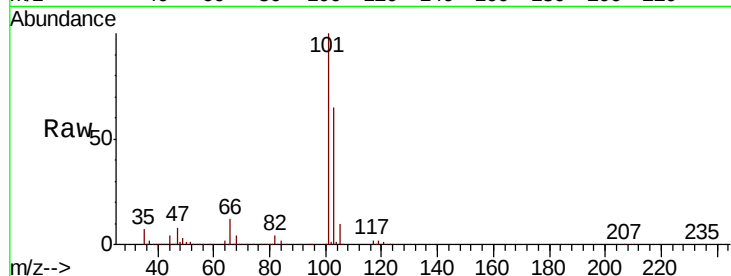


#7

Trichlorofluoromethane
Concen: 19.00 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.00 min
Lab File: VX003895.D
Acq: 07 Aug 2018 22:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

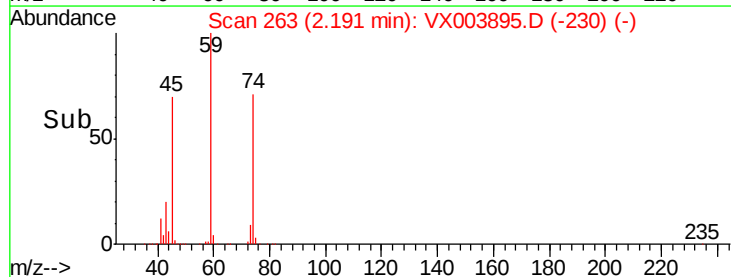
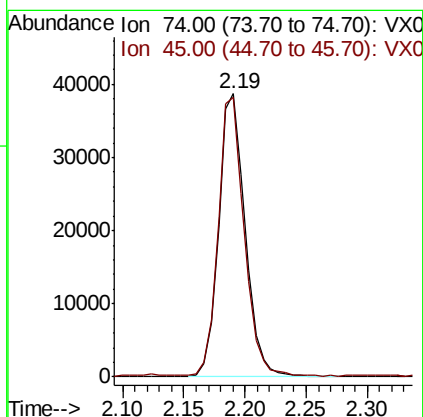
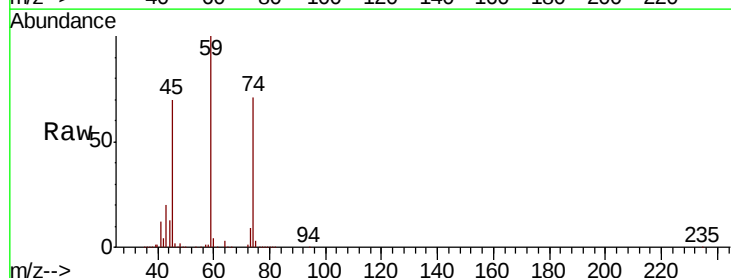
Tot Ion:101 Resp: 133375
Ion Ratio Lower Upper
101 100
103 65.1 51.5 77.3

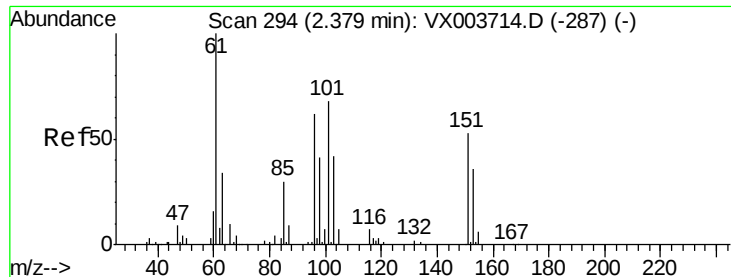


#8

Diethyl Ether
Concen: 19.32 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003895.D
Acq: 07 Aug 2018 22:19

Tgt Ion: 74 Resp: 58128
Ion Ratio Lower Upper
74 100
45 96.7 20.5 184.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.16 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003895.D

Acq: 07 Aug 2018 22:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

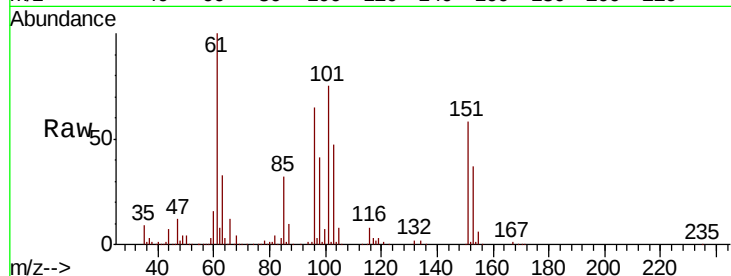
Tot Ion:101 Resp: 81539

Ion Ratio Lower Upper

101 100

85 42.7 0.0 87.0

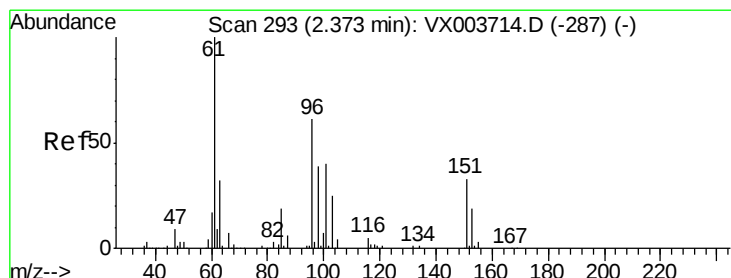
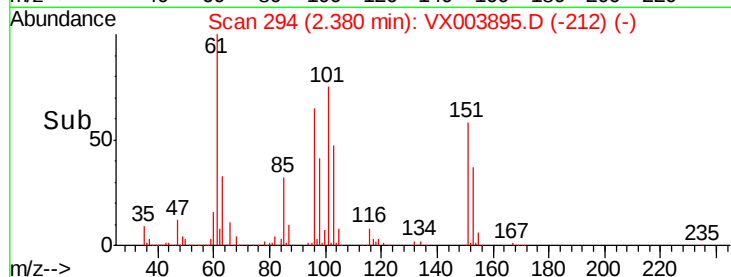
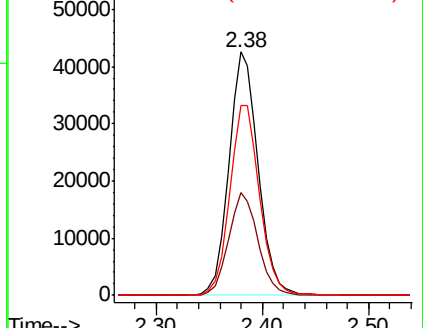
151 79.8 0.0 177.6



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: 19.00 ug/l

RT: 2.37 min Scan# 293

Delta R.T. 0.00 min

Lab File: VX003895.D

Acq: 07 Aug 2018 22:19

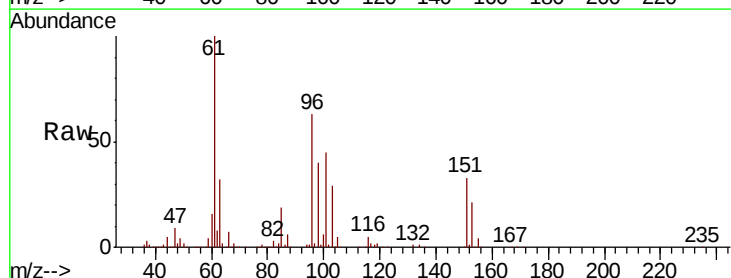
Tgt Ion: 96 Resp: 76048

Ion Ratio Lower Upper

96 100

61 159.2 137.5 206.3

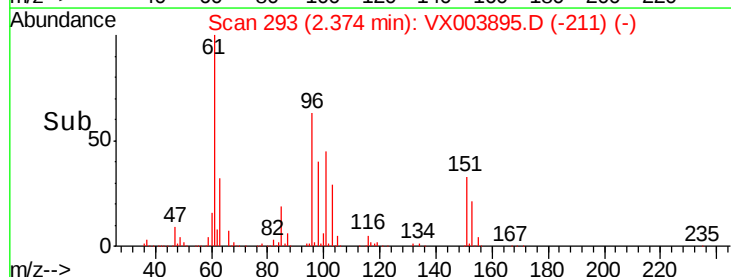
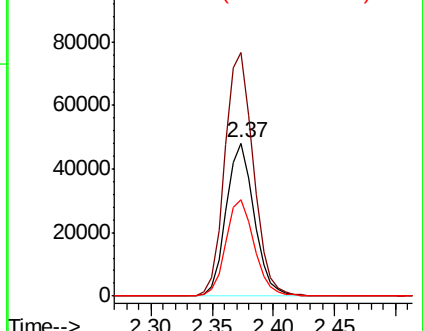
98 63.4 51.4 77.2

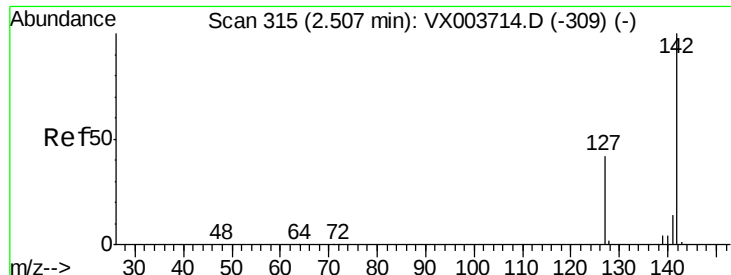


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

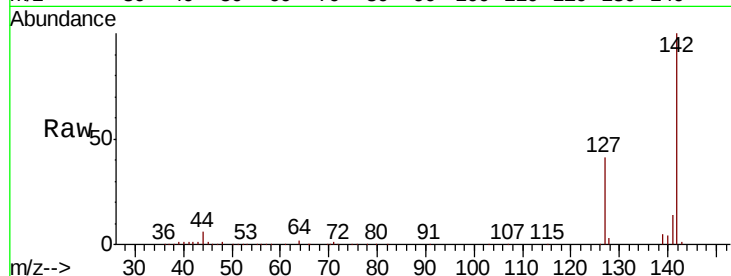




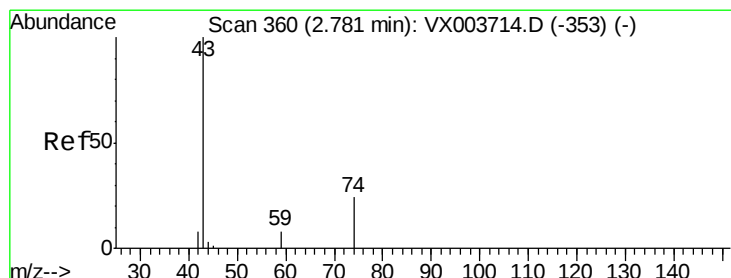
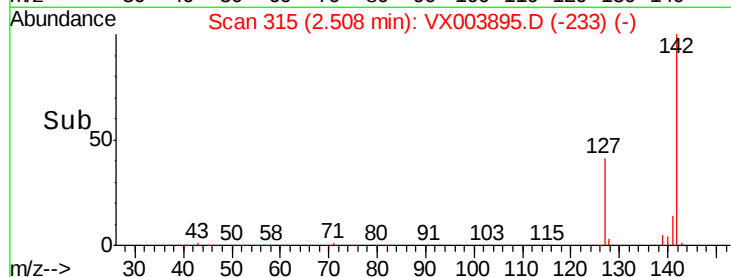
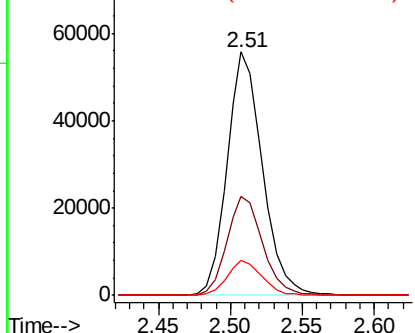
#11
Methvl Iodide
Concen: 17.26 ug/l
RT: 2.51 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX003895.D
Acq: 07 Aug 2018 22:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion:142 Resp: 95736
Ion Ratio Lower Upper
142 100
127 40.7 23.2 69.6
141 14.2 7.4 22.2

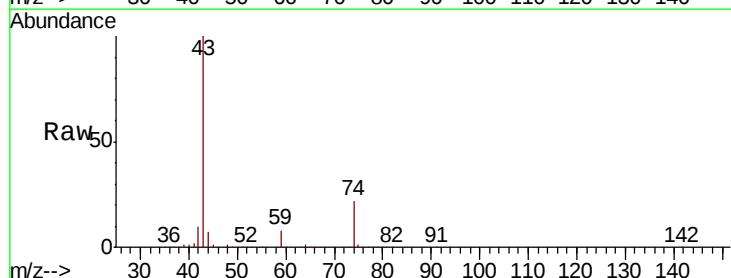


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

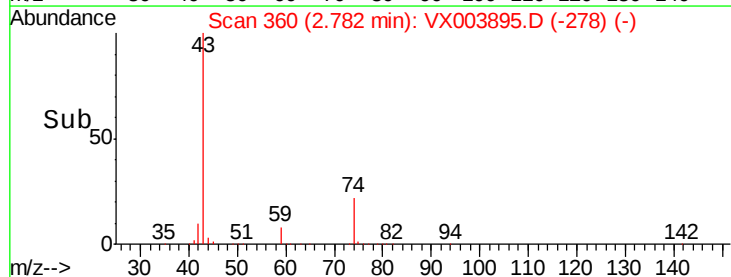
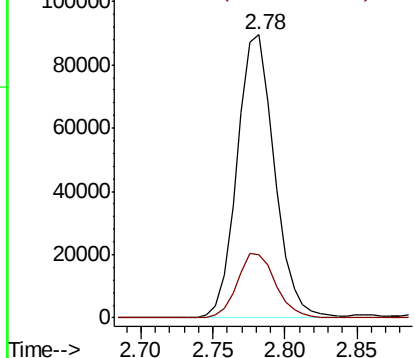


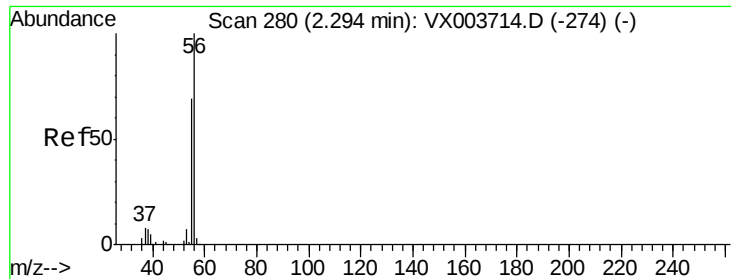
#12
Methyl Acetate
Concen: 21.66 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003895.D
Acq: 07 Aug 2018 22:19

Tgt Ion: 43 Resp: 160364
Ion Ratio Lower Upper
43 100
74 22.3 16.4 24.6



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





#13

Acrolein

Concen: 126.55 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003895.D

Acq: 07 Aug 2018 22:19

Instrument :

MSVOA_X

ClientSampleId :

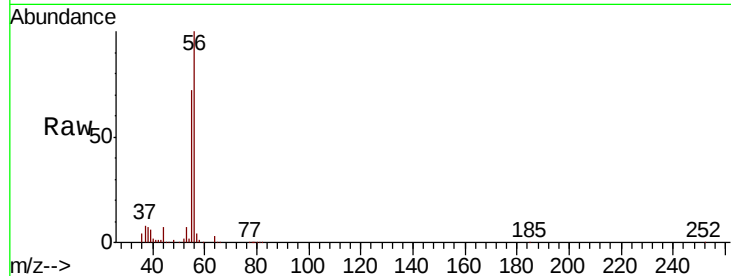
VSTDCCC020

Tot Ion: 56 Resp: 73080

Ion Ratio Lower Upper

56 100

55 70.4 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

50000

40000

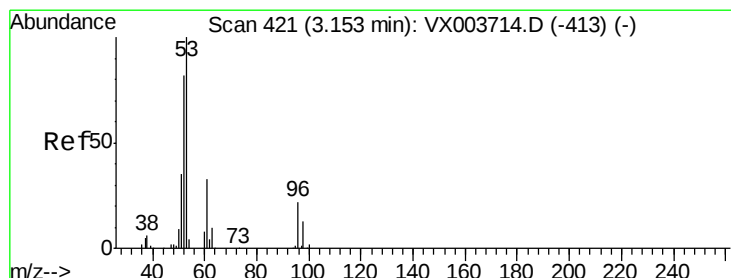
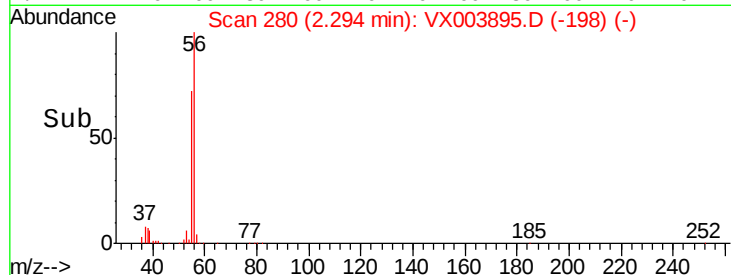
30000

20000

10000

0

Time--> 2.20 2.25 2.30 2.35 2.40



#14

Acrylonitrile

Concen: 90.25 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003895.D

Acq: 07 Aug 2018 22:19

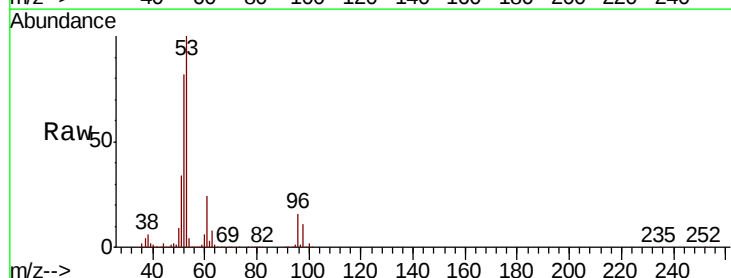
Tgt Ion: 53 Resp: 263320

Ion Ratio Lower Upper

53 100

52 82.1 41.5 124.6

51 35.7 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

3.15

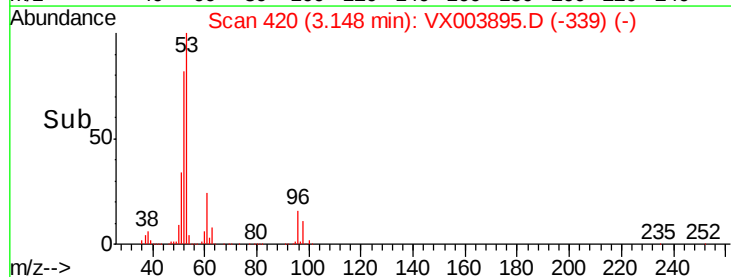
150000

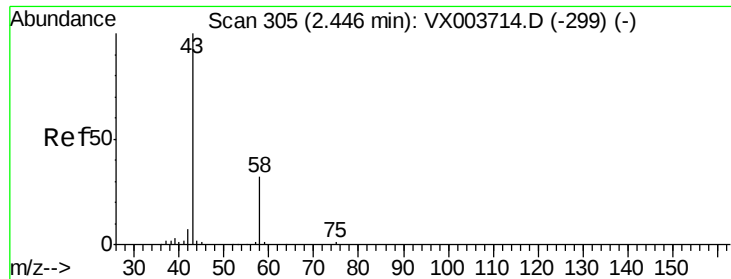
100000

50000

0

Time--> 3.10 3.15 3.20 3.30





#15

Acetone

Concen: 93.07 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003895.D

Acq: 07 Aug 2018 22:19

Instrument :

MSVOA_X

ClientSampleId :

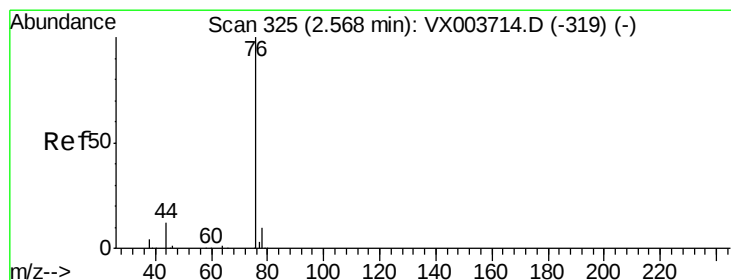
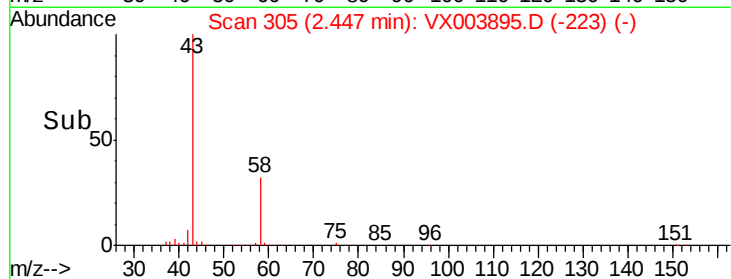
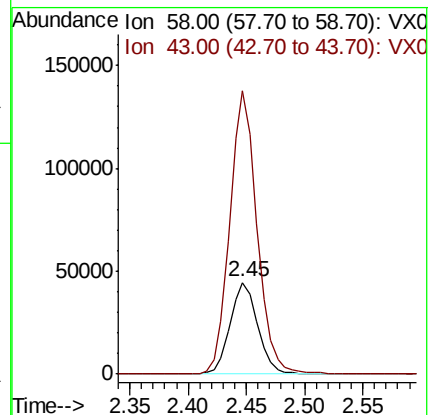
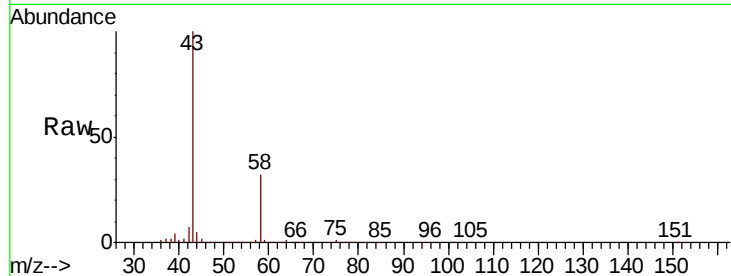
VSTDCCC020

Tot Ion: 58 Resp: 73682

Ion Ratio Lower Upper

58 100

43 307.8 278.8 418.2



#16

Carbon Disulfide

Concen: 18.29 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003895.D

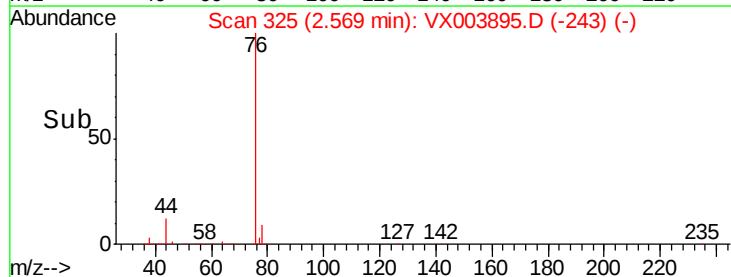
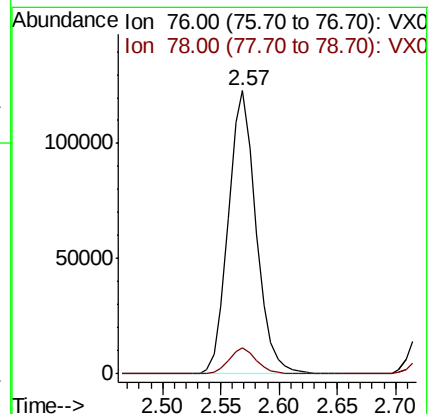
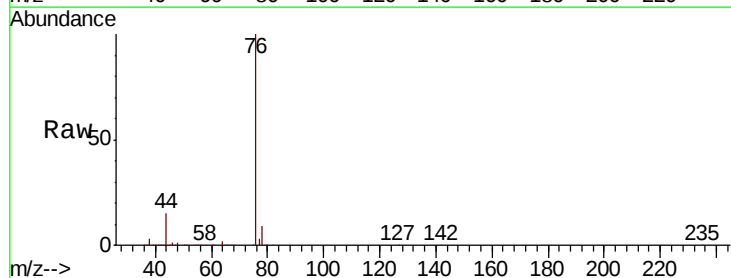
Acq: 07 Aug 2018 22:19

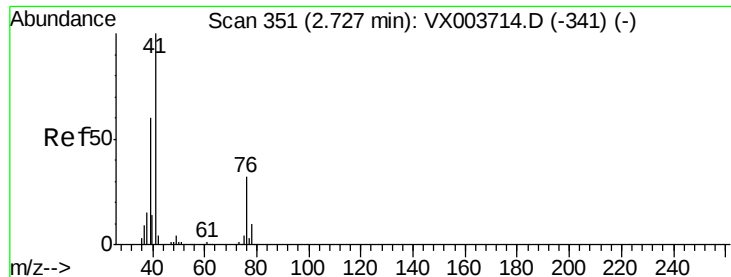
Tgt Ion: 76 Resp: 203254

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

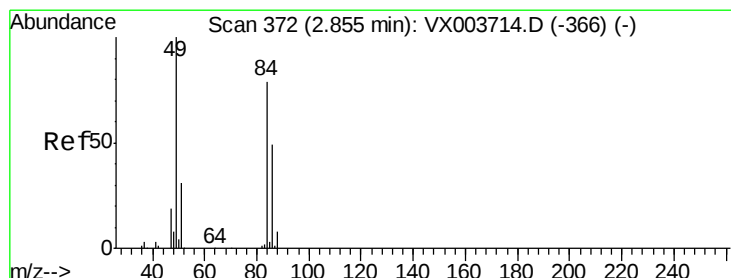
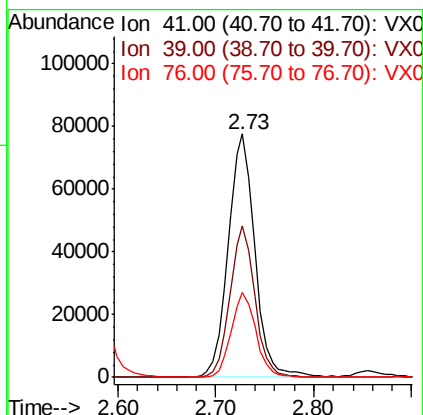
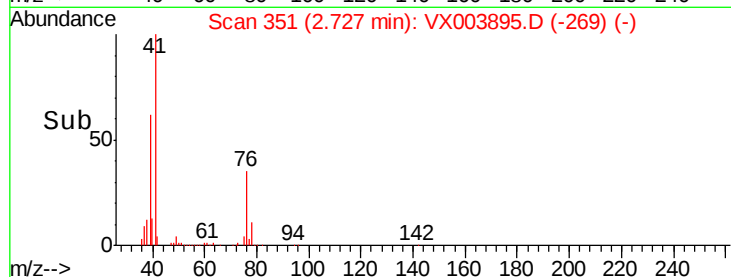
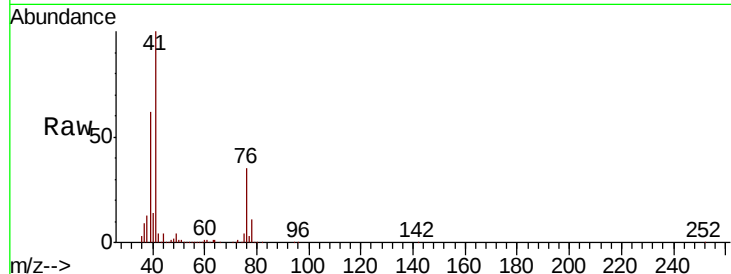




#17
Allvl chloride
Concen: 17.63 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX003895.D
Acq: 07 Aug 2018 22:19

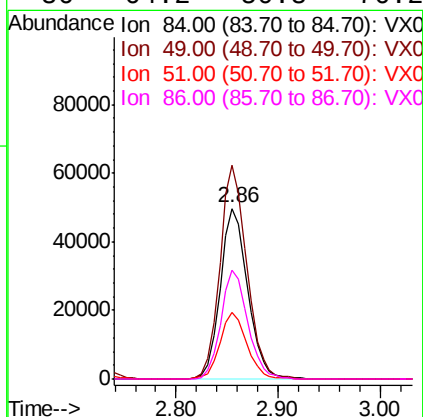
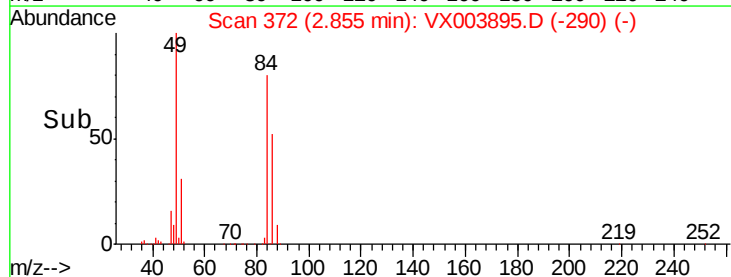
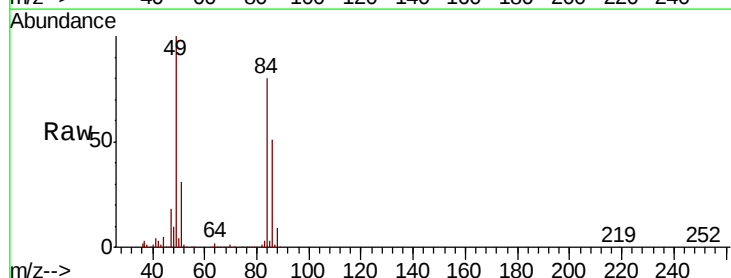
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

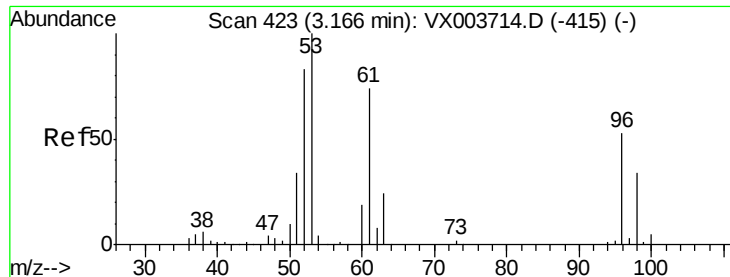
Tot Ion: 41 Resp: 146004
Ion Ratio Lower Upper
41 100
39 61.9 34.6 103.8
76 34.9 15.0 45.1



#18
Methylene Chloride
Concen: 19.60 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003895.D
Acq: 07 Aug 2018 22:19

Tgt Ion: 84 Resp: 92917
Ion Ratio Lower Upper
84 100
49 125.2 104.7 157.1
51 38.9 31.0 46.4
86 64.2 50.8 76.2

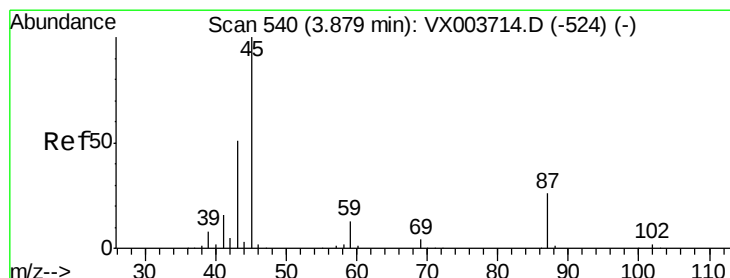
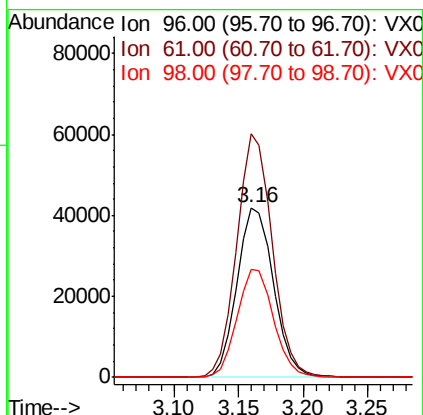
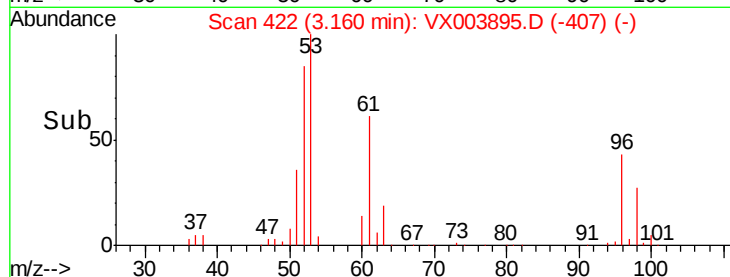
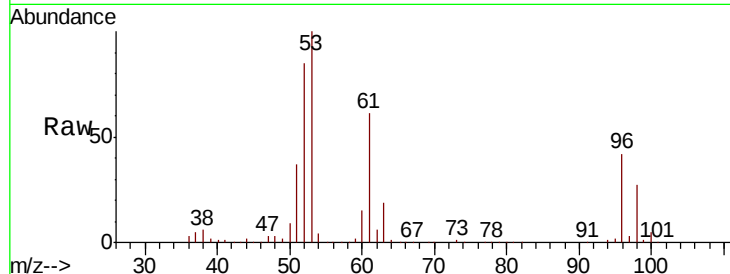




#19
trans-1,2-Dichloroethene
Concen: 19.03 ug/l
RT: 3.16 min Scan# 422
Delta R.T. -0.01 min
Lab File: VX003895.D
Acq: 07 Aug 2018 22:19

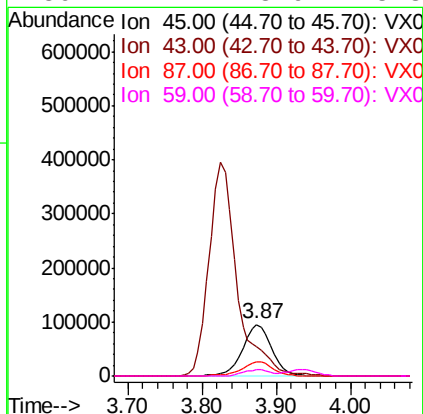
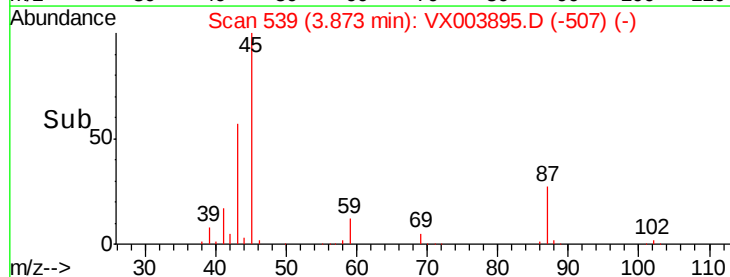
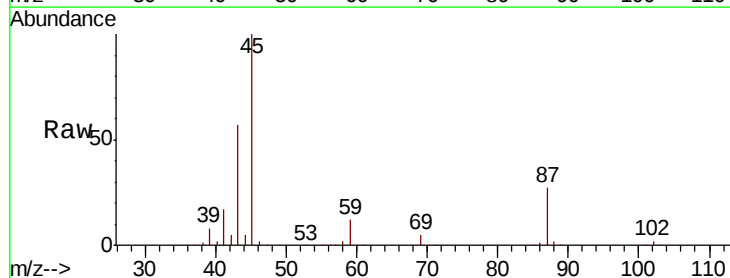
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

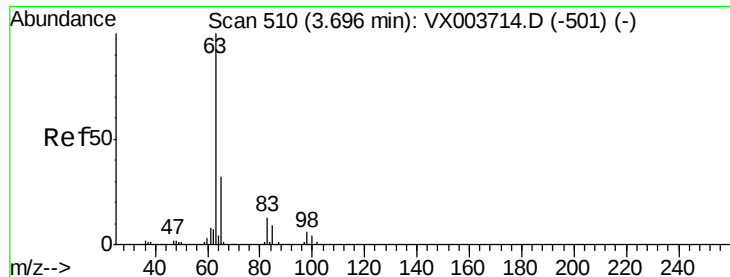
Tot Ion: 96 Resp: 82326
Ion Ratio Lower Upper
96 100
61 143.4 114.6 172.0
98 63.7 51.3 76.9



#20
Diisopropyl ether
Concen: 17.23 ug/l
RT: 3.87 min Scan# 539
Delta R.T. -0.01 min
Lab File: VX003895.D
Acq: 07 Aug 2018 22:19

Tgt Ion: 45 Resp: 262027
Ion Ratio Lower Upper
45 100
43 56.5 45.6 68.4
87 27.1 20.7 31.1
59 12.2 8.9 13.3





#21

1,1-Dichloroethane

Concen: 18.62 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003895.D

Acq: 07 Aug 2018 22:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

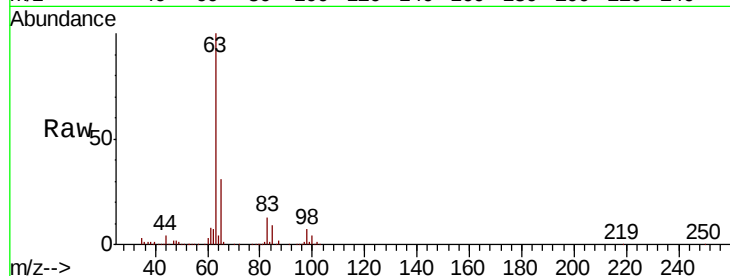
Tot Ion: 63 Resp: 160345

Ion Ratio Lower Upper

63 100

98 7.3 3.1 9.3

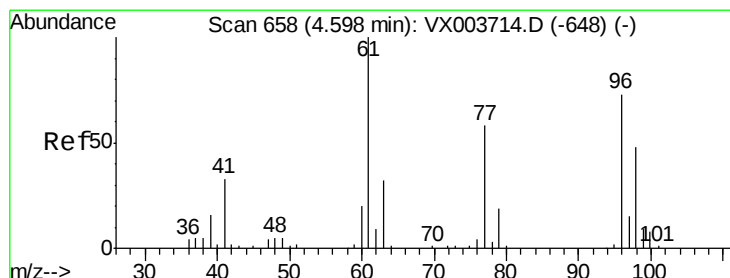
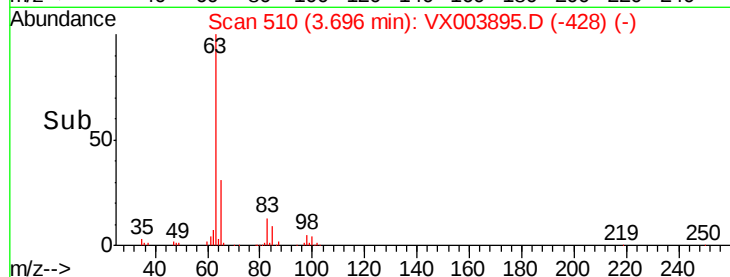
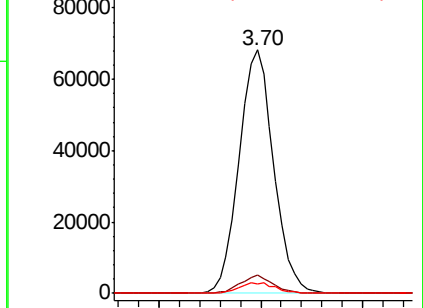
100 4.1 2.2 6.6



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: 20.94 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX003895.D

Acq: 07 Aug 2018 22:19

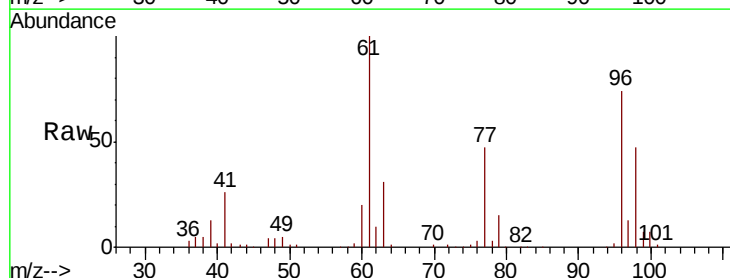
Tgt Ion: 96 Resp: 91457

Ion Ratio Lower Upper

96 100

61 142.5 160.2 240.2#

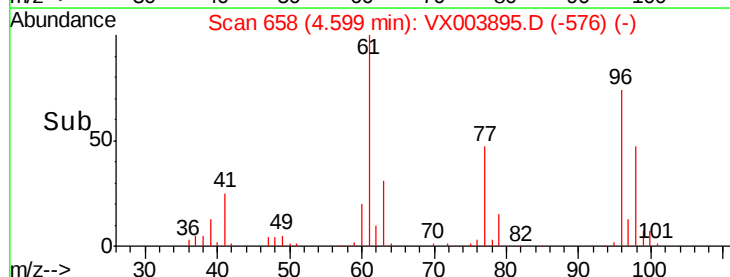
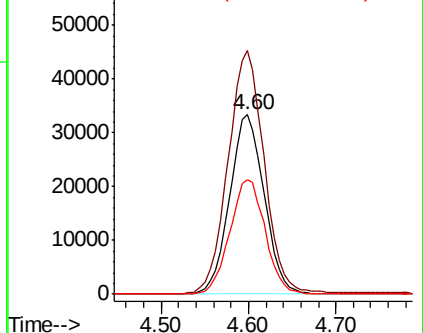
98 64.9 54.1 81.1

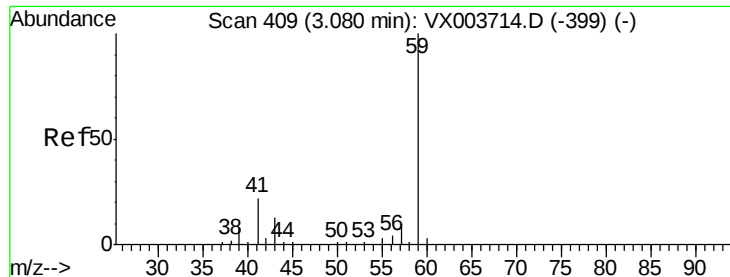


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



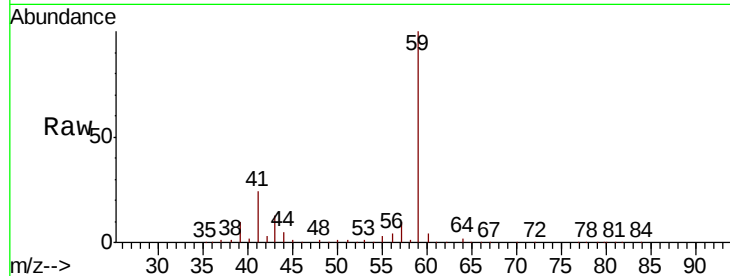


#23

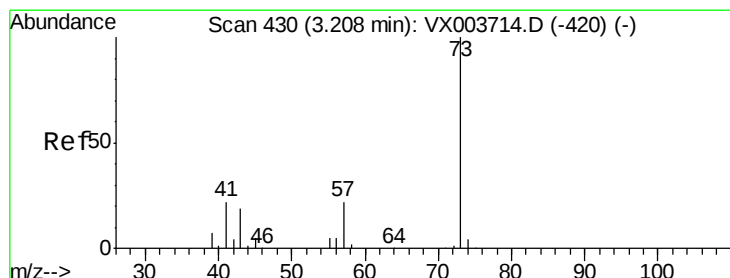
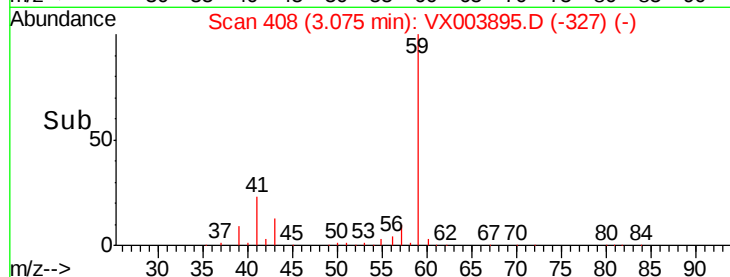
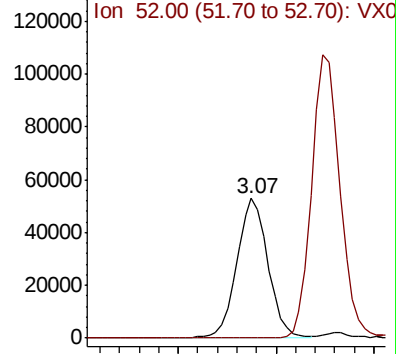
tert-Butyl Alcohol
 Concen: 95.82 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX003895.D
 Acq: 07 Aug 2018 22:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion: 59 Resp: 117425
 Ion Ratio Lower Upper
 59 100
 52 0.2 0.2 0.2



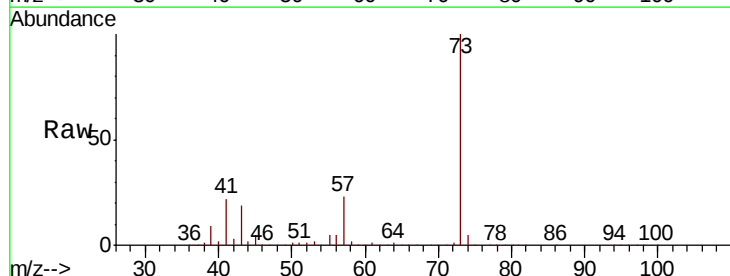
Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 52.00 (51.70 to 52.70): VX0



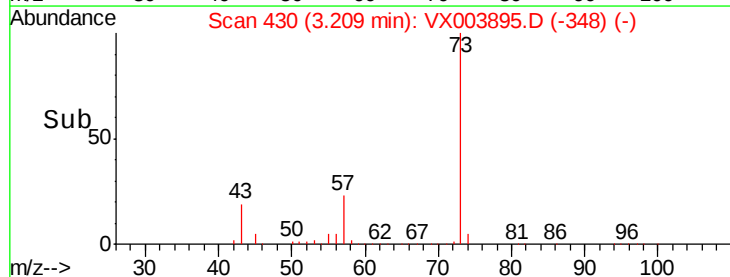
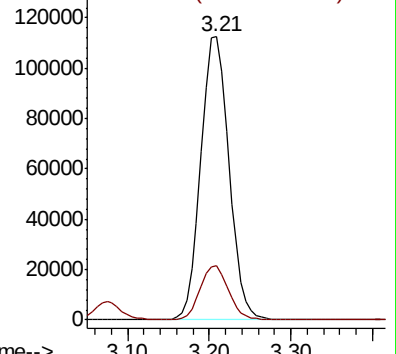
#24

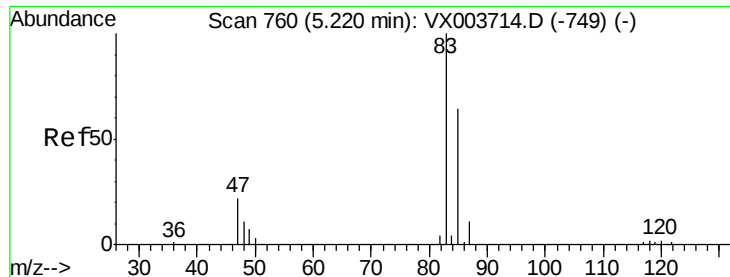
Methyl tert-Butyl Ether
 Concen: 18.70 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VX003895.D
 Acq: 07 Aug 2018 22:19

Tgt Ion: 73 Resp: 268333
 Ion Ratio Lower Upper
 73 100
 43 19.0 19.0 28.4



Abundance Ion 73.00 (72.70 to 73.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0

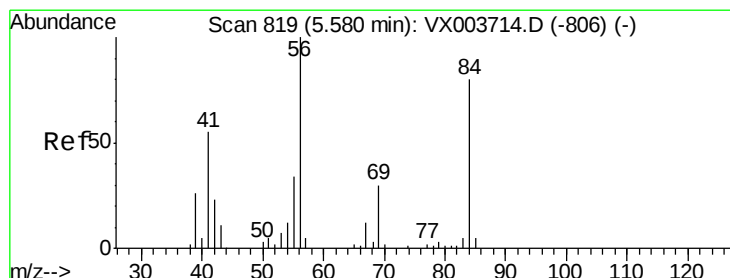
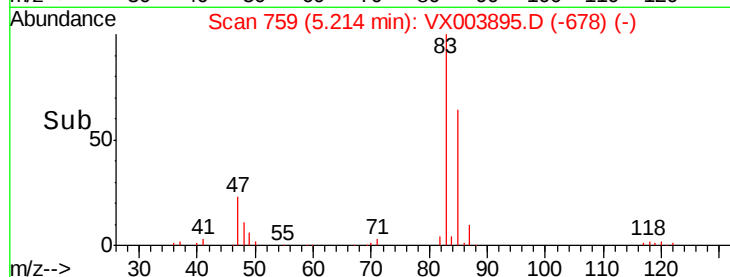
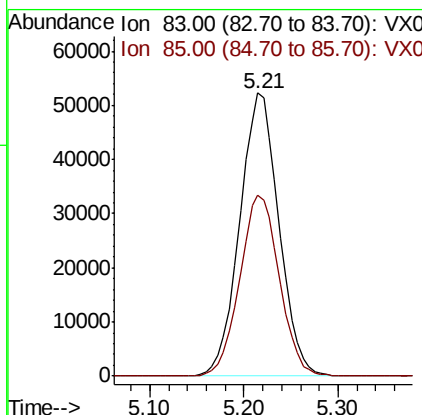
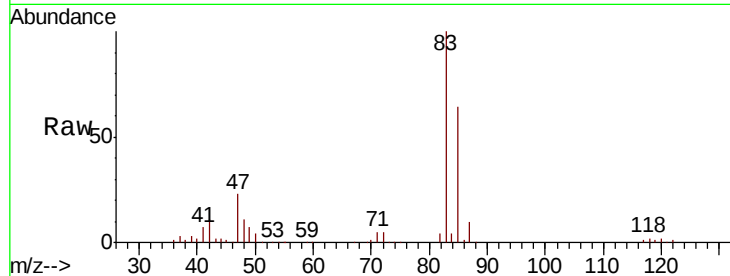




#25
Chloroform
Concen: 20.39 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX003895.D
Acq: 07 Aug 2018 22:19

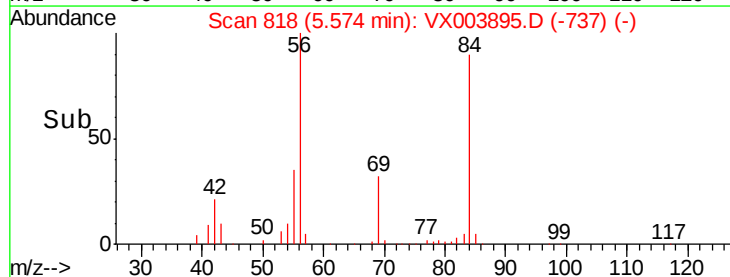
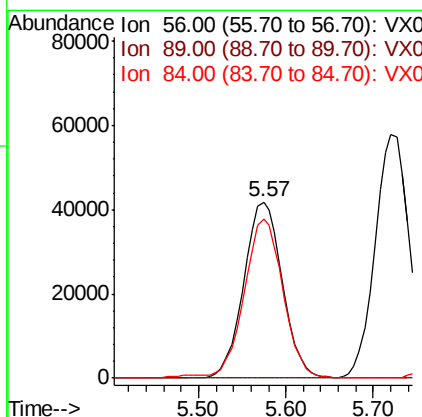
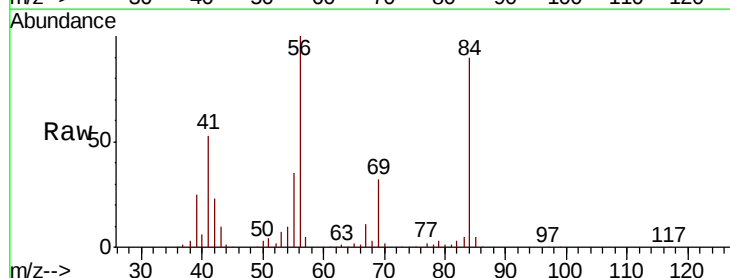
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

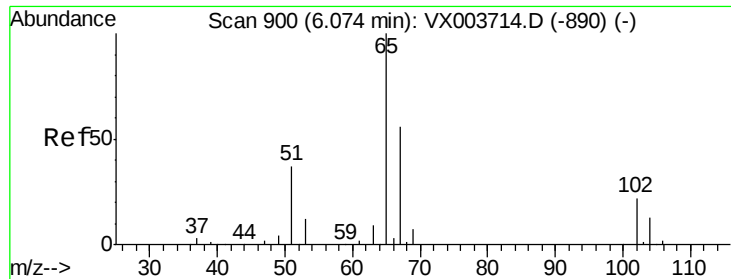
Tot Ion: 83 Resp: 152029
Ion Ratio Lower Upper
83 100
85 63.9 51.9 77.9



#26
Cyclohexane
Concen: 19.83 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX003895.D
Acq: 07 Aug 2018 22:19

Tgt Ion: 56 Resp: 128280
Ion Ratio Lower Upper
56 100
89 0.0 0.1 0.1#
84 90.2 64.9 97.3





#27

1,2-Dichloroethane-d4

Concen: 28.41 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX003895.D

Acq: 07 Aug 2018 22:19

Instrument :

MSVOA_X

ClientSampleId :

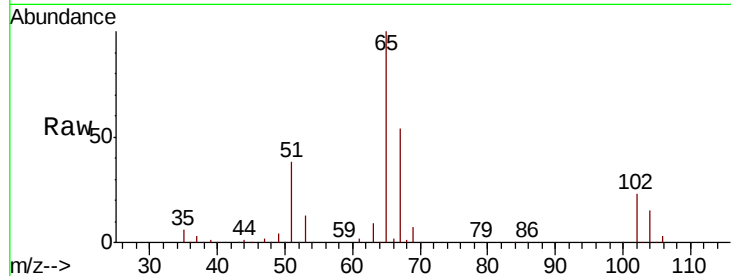
VSTDCCC020

Tot Ion: 65 Resp: 145587

Ion Ratio Lower Upper

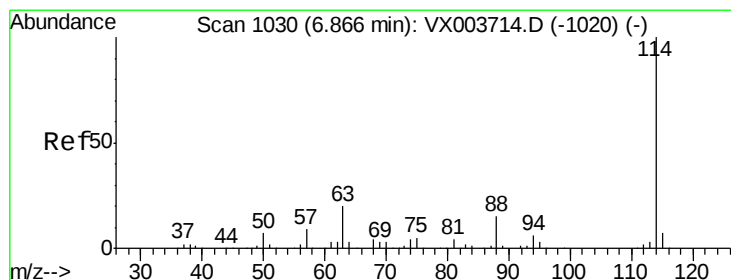
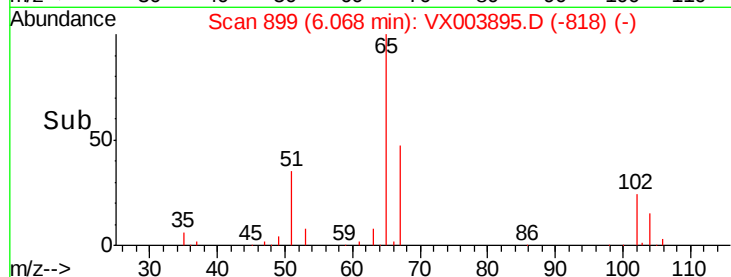
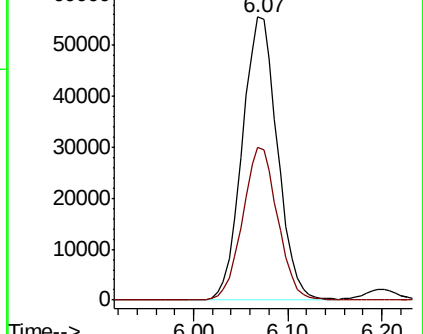
65 100

67 53.6 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: VX003895.D

Acq: 07 Aug 2018 22:19

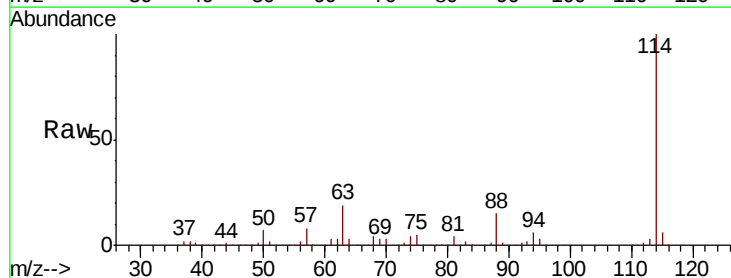
Tgt Ion: 114 Resp: 377820

Ion Ratio Lower Upper

114 100

63 19.7 17.1 25.7

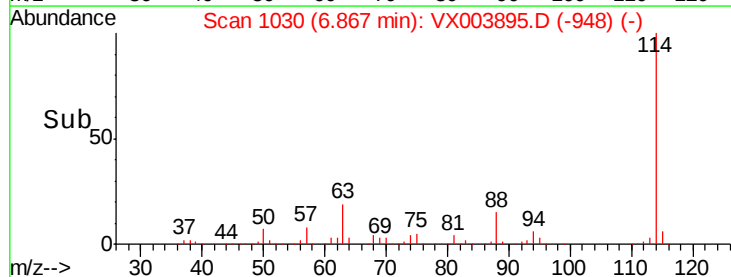
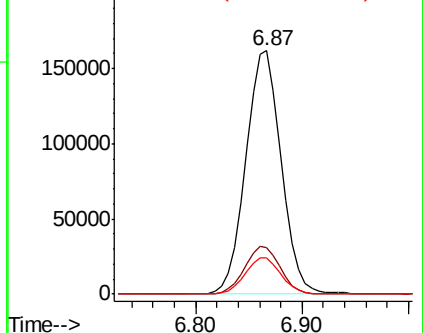
88 15.2 12.6 19.0

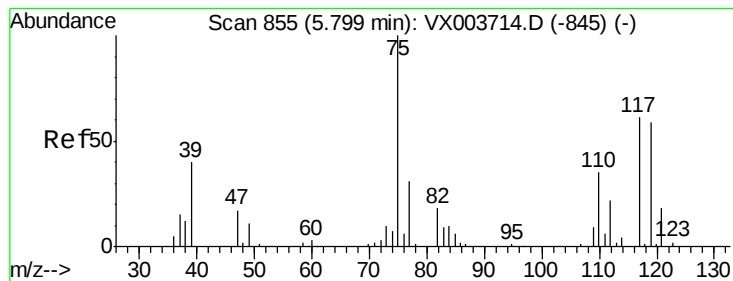


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#29

1,1-Dichloropropene

Concen: 20.15 ug/l

RT: 5.80 min Scan# 855

Delta R.T. 0.00 min

Lab File: VX003895.D

Acq: 07 Aug 2018 22:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

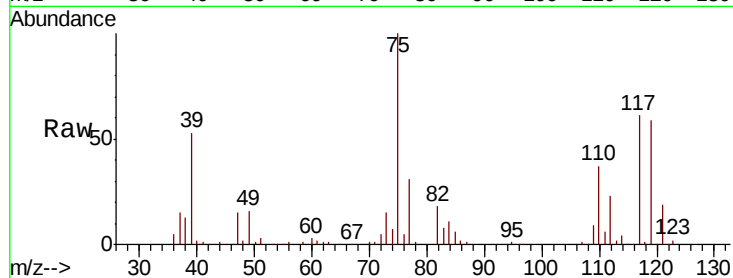
Tot Ion: 75 Resp: 112402

Ion Ratio Lower Upper

75 100

110 36.5 0.0 71.4

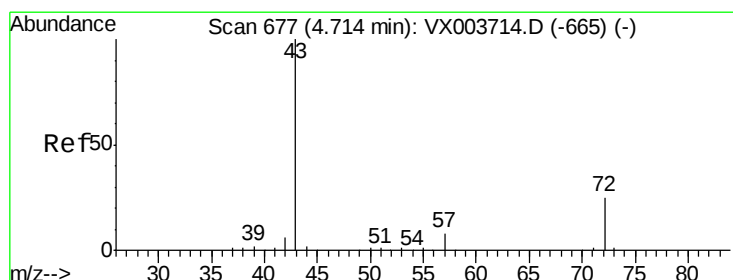
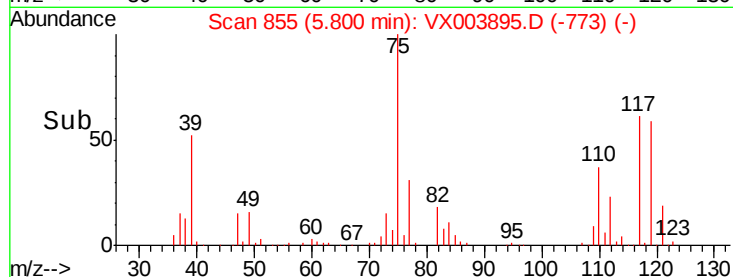
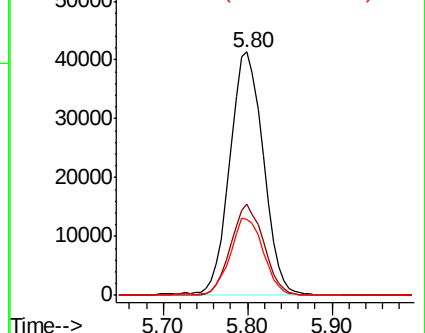
77 31.4 0.0 60.6



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VX0



#30

2-Butanone

Concen: 94.10 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX003895.D

Acq: 07 Aug 2018 22:19

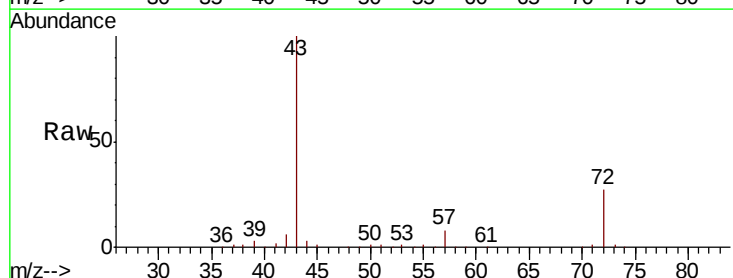
Tgt Ion: 43 Resp: 335276

Ion Ratio Lower Upper

43 100

57 8.3 6.1 9.1

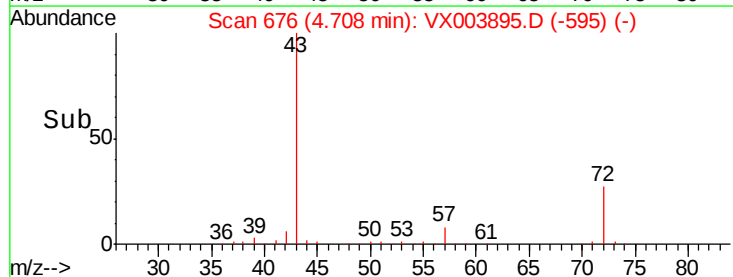
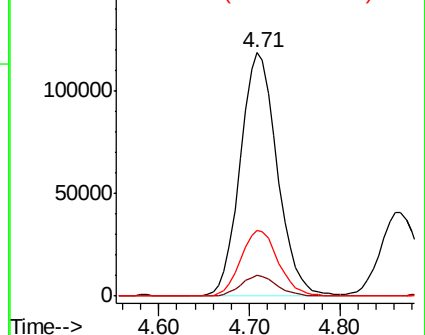
72 27.4 18.1 27.1#

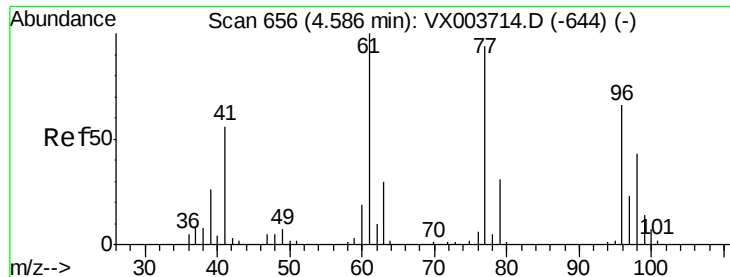


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

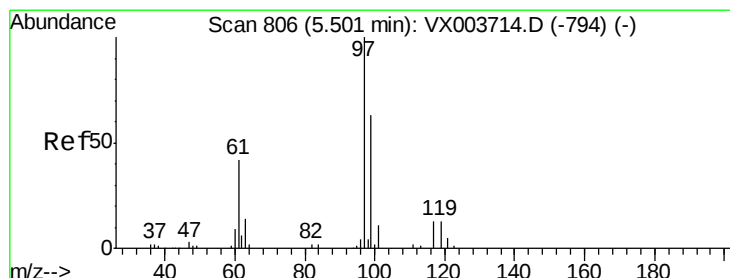
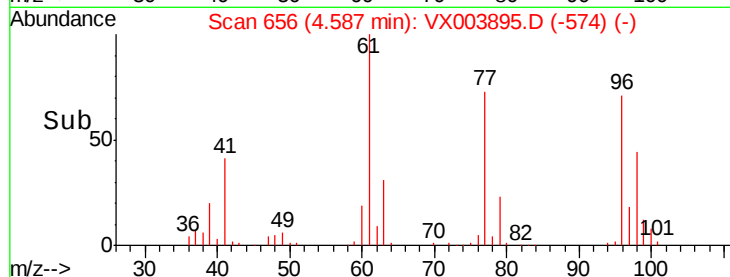
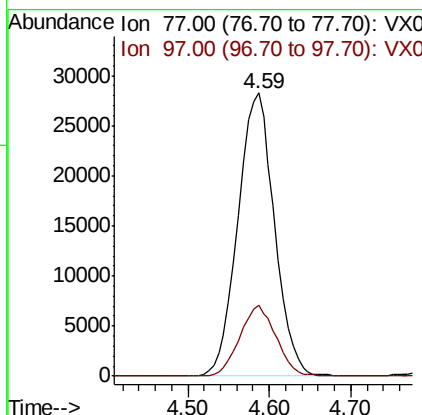
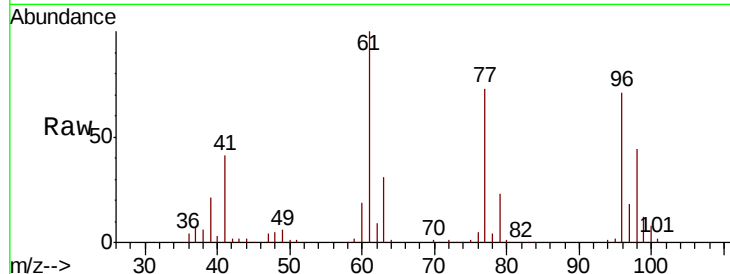




#31
 2,2-Dichloropropane
 Concen: 16.26 ug/l
 RT: 4.59 min Scan# 656
 Delta R.T. 0.00 min
 Lab File: VX003895.D
 Acq: 07 Aug 2018 22:19

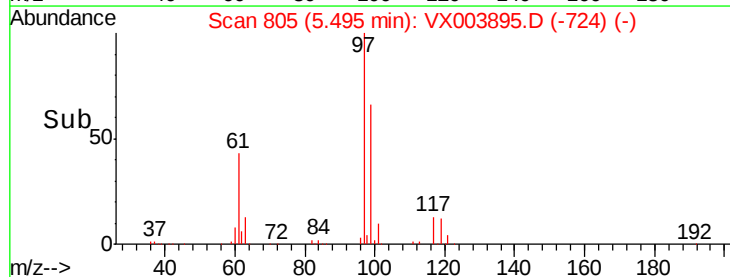
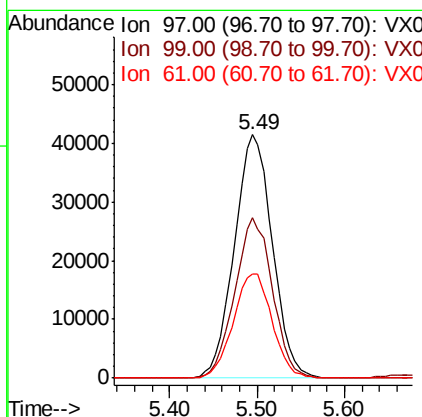
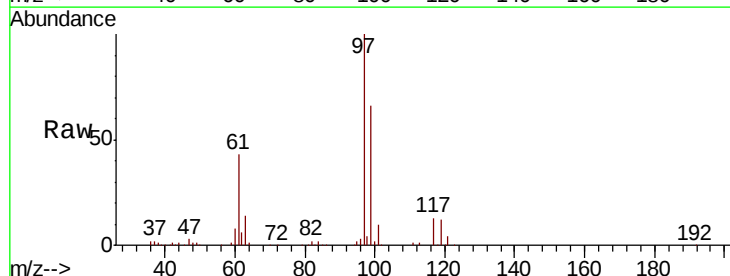
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

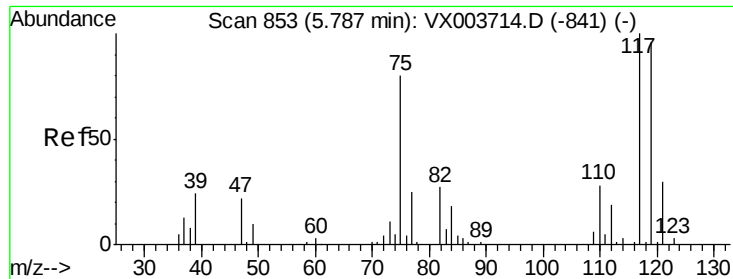
Tot Ion: 77 Resp: 87889
 Ion Ratio Lower Upper
 77 100
 97 24.6 18.7 28.1



#32
 1,1,1-Trichloroethane
 Concen: 19.68 ug/l
 RT: 5.49 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX003895.D
 Acq: 07 Aug 2018 22:19

Tgt Ion: 97 Resp: 125633
 Ion Ratio Lower Upper
 97 100
 99 65.0 51.7 77.5
 61 43.9 36.4 54.6

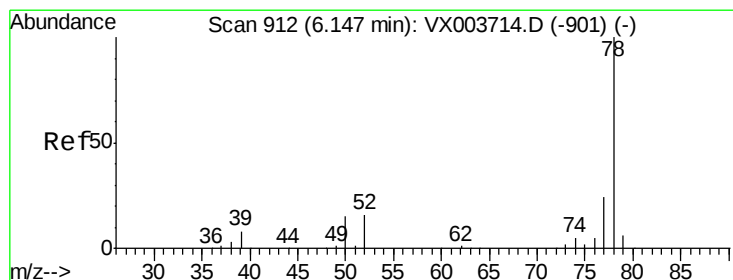
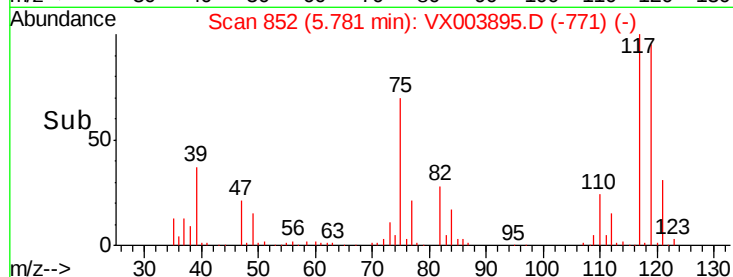
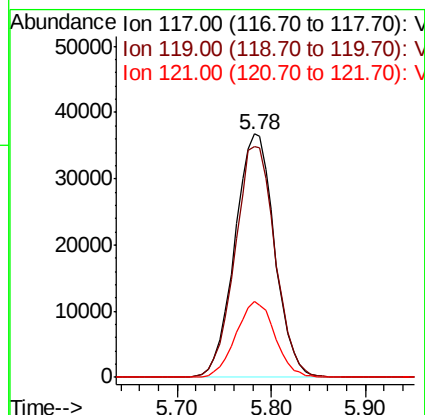
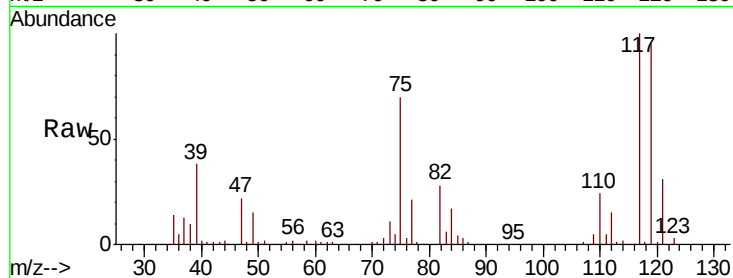




#33
Carbon Tetrachloride
Concen: 19.49 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX003895.D
Acq: 07 Aug 2018 22:19

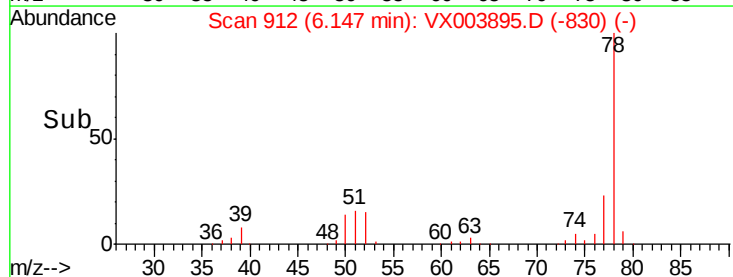
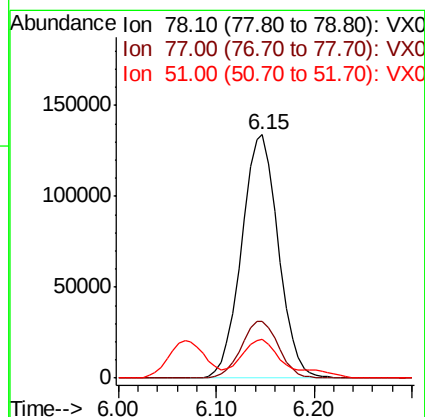
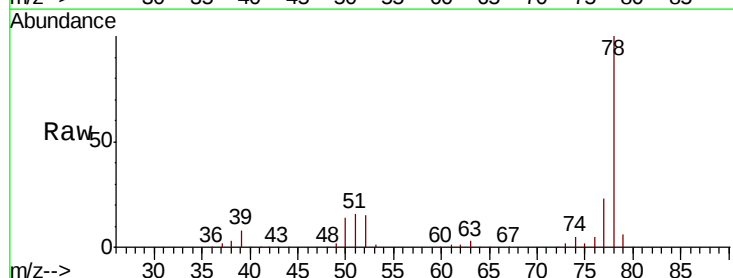
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

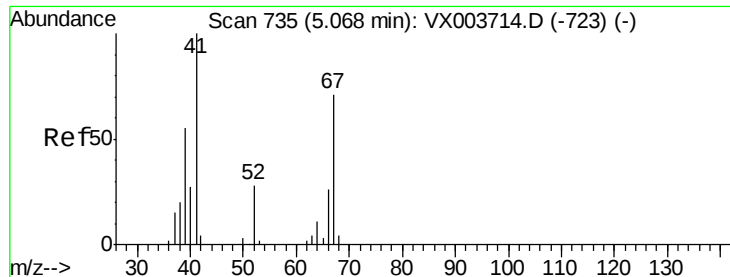
Tot Ion:117 Resp: 108091
Ion Ratio Lower Upper
117 100
119 94.6 73.3 109.9
121 31.4 23.6 35.4



#34
Benzene
Concen: 20.37 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003895.D
Acq: 07 Aug 2018 22:19

Tgt Ion: 78 Resp: 349190
Ion Ratio Lower Upper
78 100
77 23.1 19.4 29.0
51 14.9 13.8 20.6

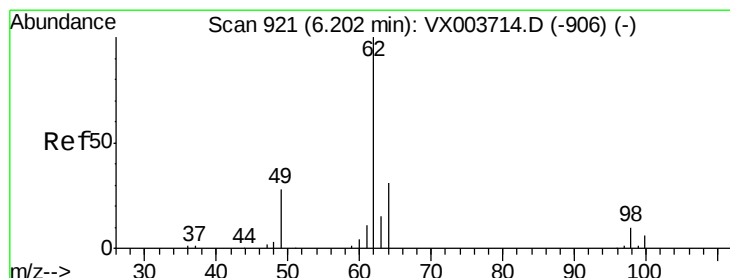
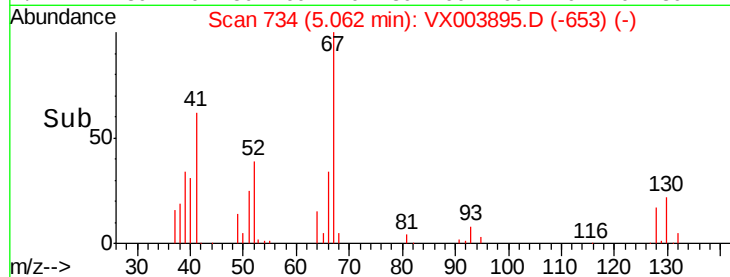
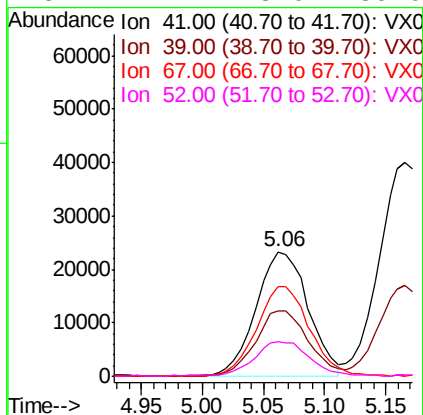
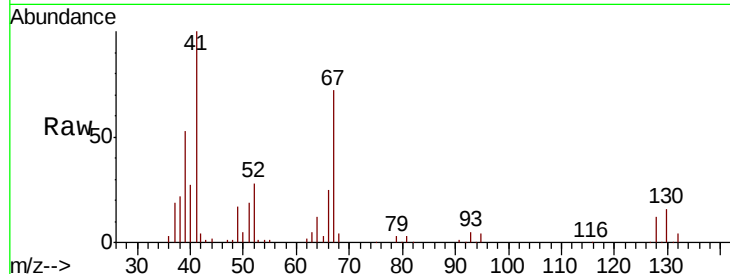




#35
Methacrylonitrile
Concen: 18.69 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003895.D
Acq: 07 Aug 2018 22:19

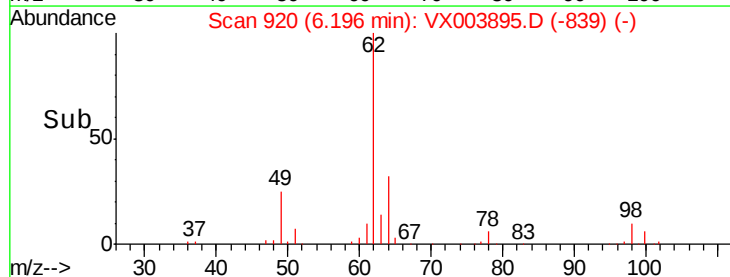
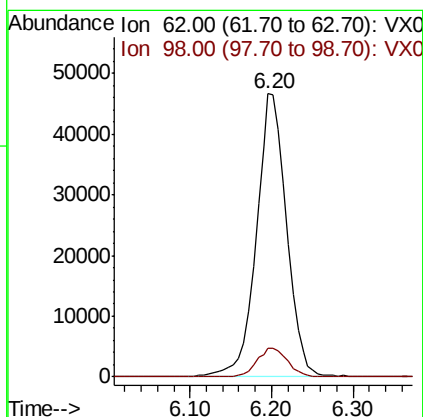
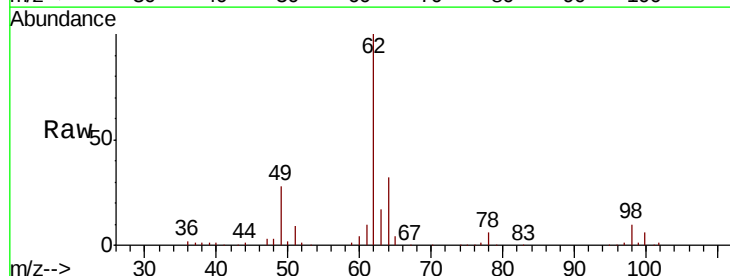
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

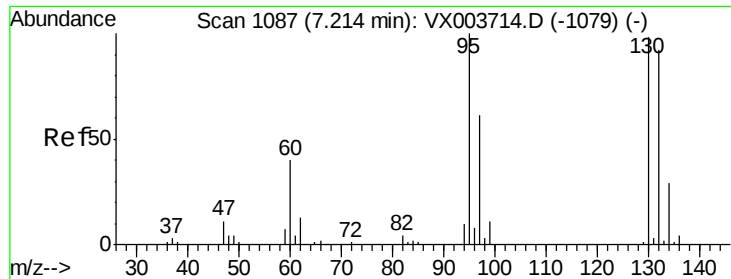
Tot Ion:	41	Resp:	69194
Ion	Ratio	Lower	Upper
41	100		
39	52.8	28.8	86.5
67	72.1	30.4	91.2
52	27.7	13.0	39.0



#36
1,2-Dichloroethane
Concen: 19.53 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.01 min
Lab File: VX003895.D
Acq: 07 Aug 2018 22:19

Tgt Ion:	62	Resp:	120360
Ion	Ratio	Lower	Upper
62	100		
98	10.3	6.5	9.7#

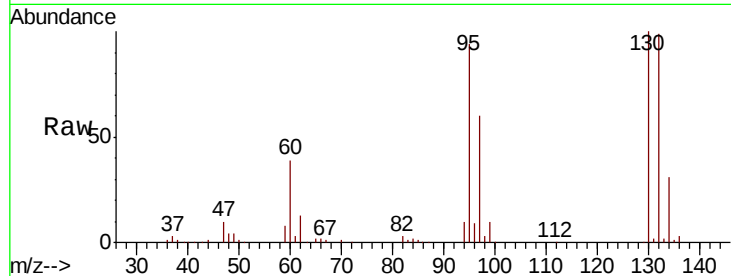




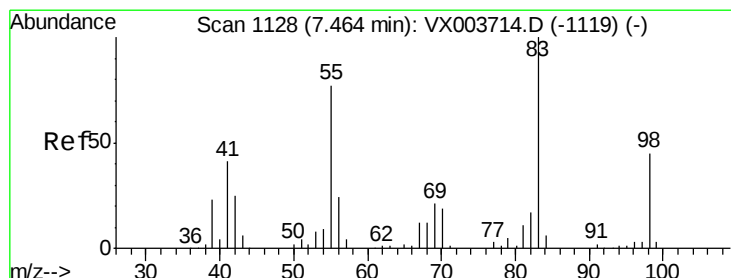
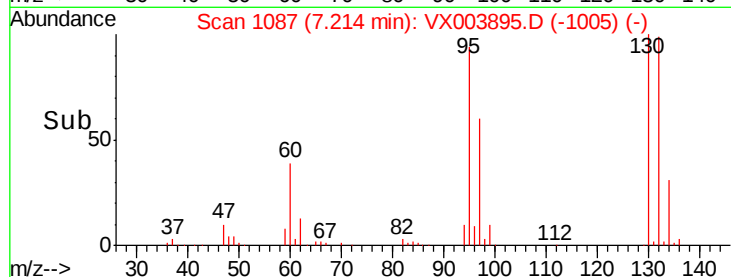
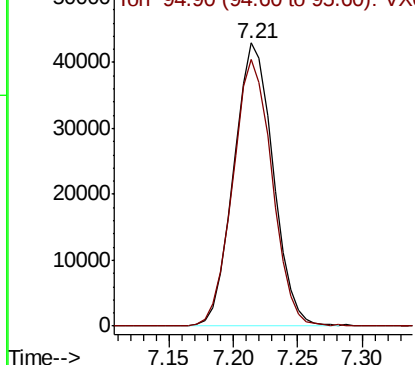
#37
 Trichloroethene
 Concen: 20.39 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003895.D
 Acq: 07 Aug 2018 22:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion:130 Resp: 91090
 Ion Ratio Lower Upper
 130 100
 95 93.9 81.5 122.3

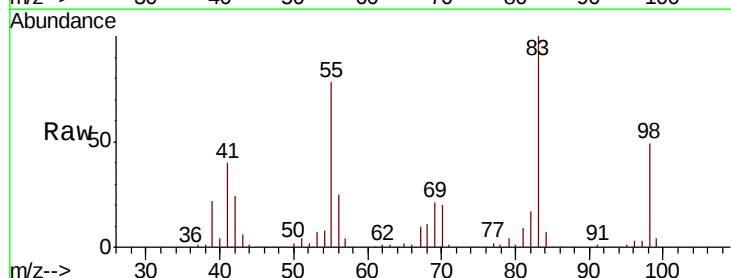


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

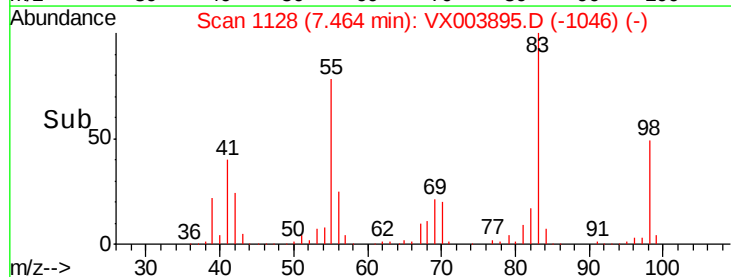
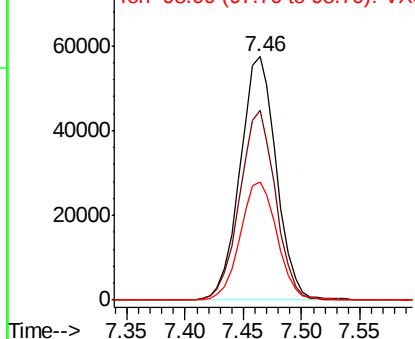


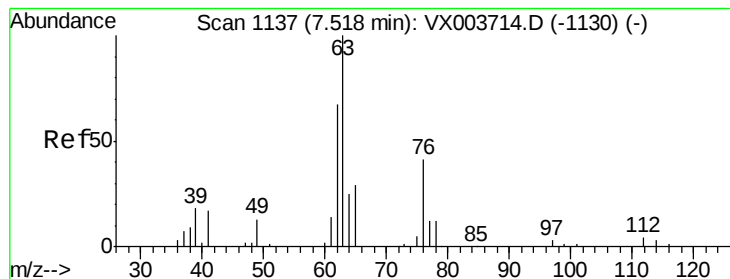
#38
 Methylcyclohexane
 Concen: 19.66 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX003895.D
 Acq: 07 Aug 2018 22:19

Tgt Ion: 83 Resp: 124638
 Ion Ratio Lower Upper
 83 100
 55 76.7 40.6 121.8
 98 49.4 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: 19.25 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003895.D

Acq: 07 Aug 2018 22:19

Instrument :

MSVOA_X

ClientSampleId :

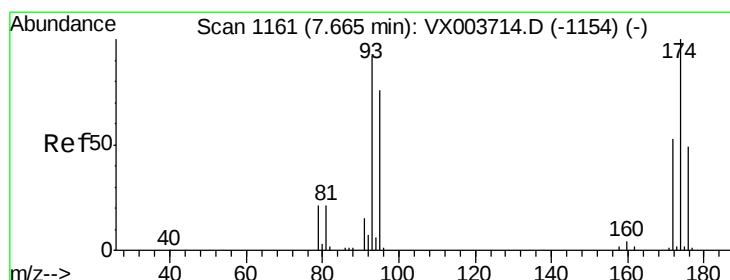
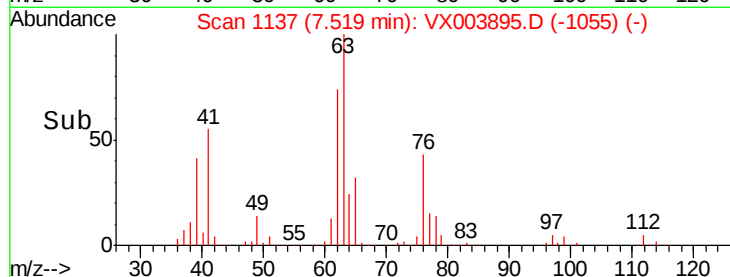
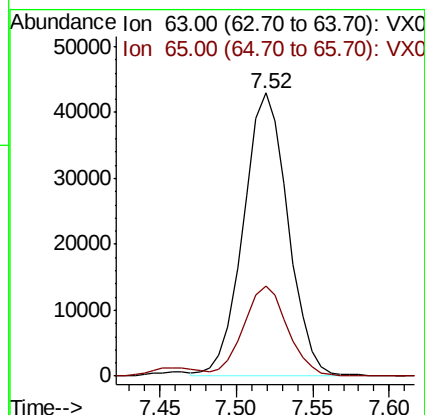
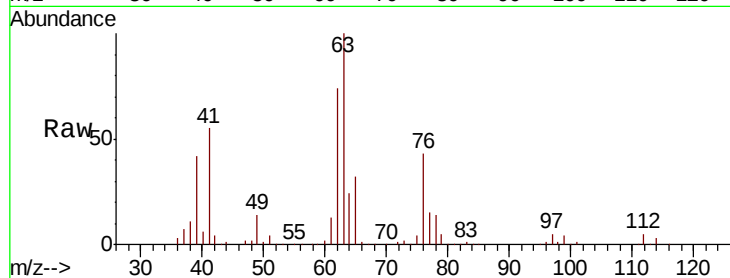
VSTDCCC020

Tot Ion: 63 Resp: 87188

Ion Ratio Lower Upper

63 100

65 31.6 23.3 34.9



#40

Dibromomethane

Concen: 19.48 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003895.D

Acq: 07 Aug 2018 22:19

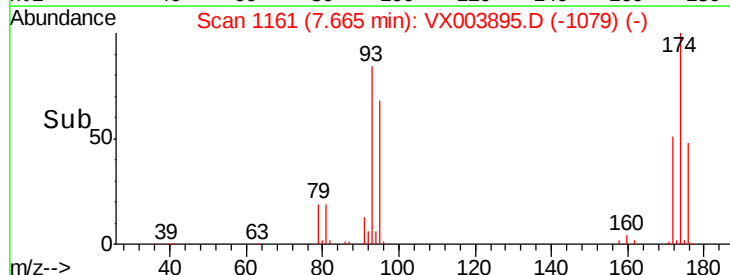
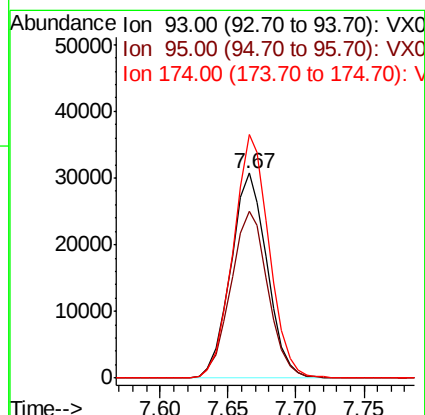
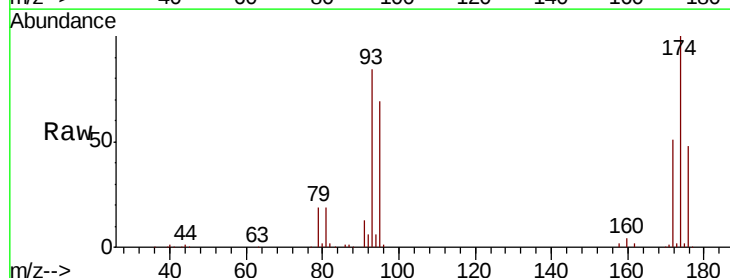
Tgt Ion: 93 Resp: 57105

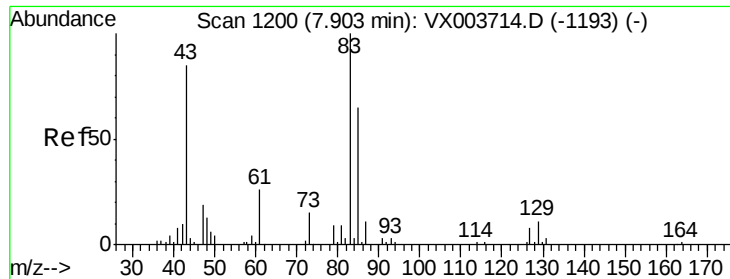
Ion Ratio Lower Upper

93 100

95 83.1 0.0 162.6

174 117.6 0.0 229.4





#41

Bromodichloromethane

Concen: 19.15 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003895.D

Acq: 07 Aug 2018 22:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

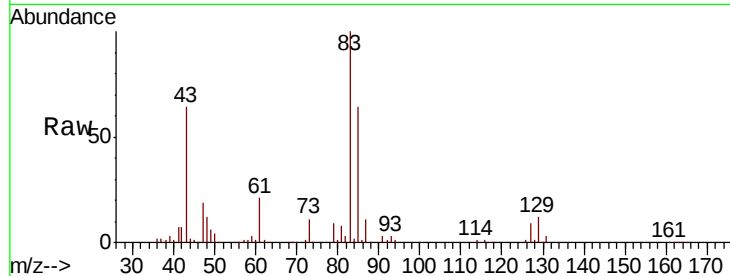
Tot Ion: 83 Resp: 107249

Ion Ratio Lower Upper

83 100

85 64.0 49.8 74.8

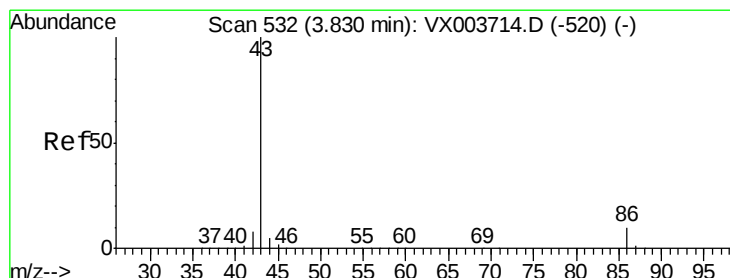
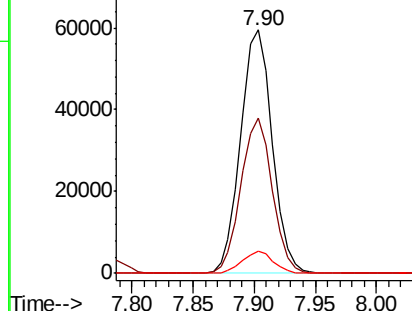
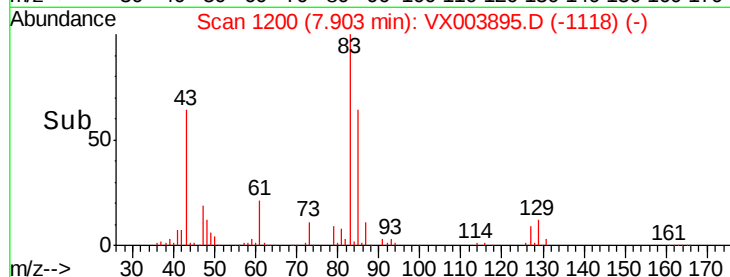
127 9.2 7.3 10.9



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: 75.83 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX003895.D

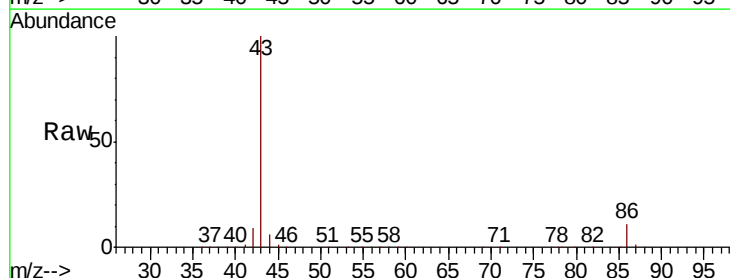
Acq: 07 Aug 2018 22:19

Tgt Ion: 43 Resp: 1038121

Ion Ratio Lower Upper

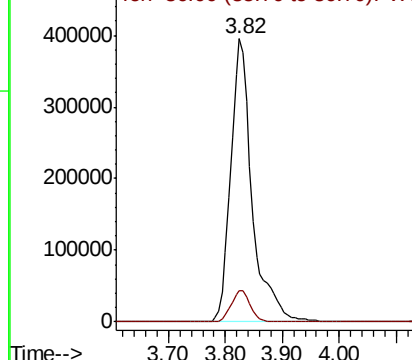
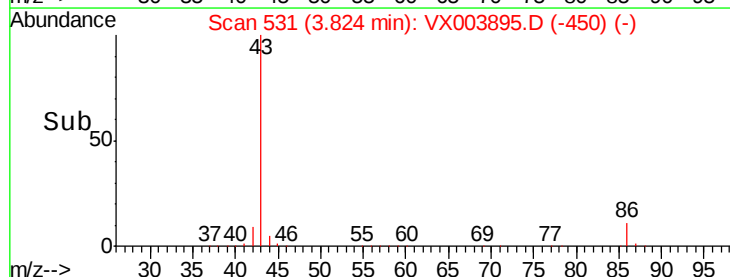
43 100

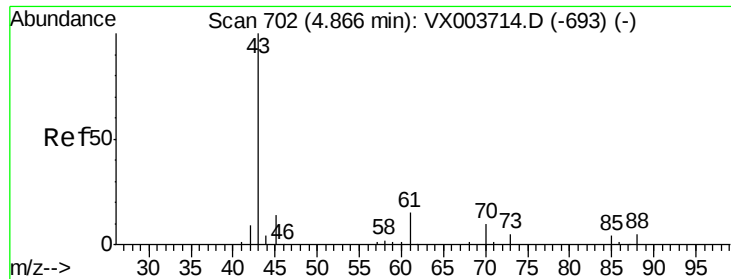
86 9.8 6.7 10.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#43

Ethyl Acetate

Concen: 18.25 ug/l

RT: 4.86 min Scan# 701

Delta R.T. -0.01 min

Lab File: VX003895.D

Acq: 07 Aug 2018 22:19

Instrument :

MSVOA_X

ClientSampleId :

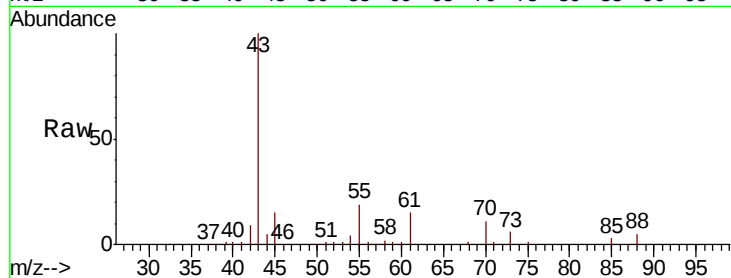
VSTDCCC020

Tot Ion: 43 Resp: 121476

Ion Ratio Lower Upper

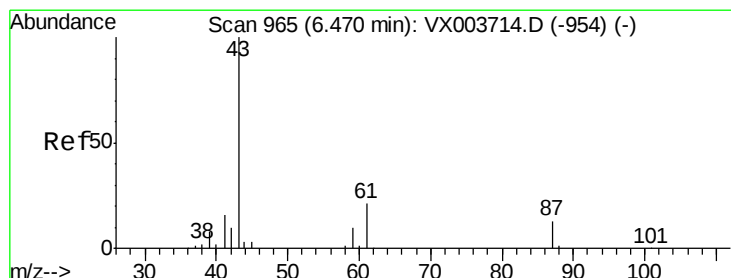
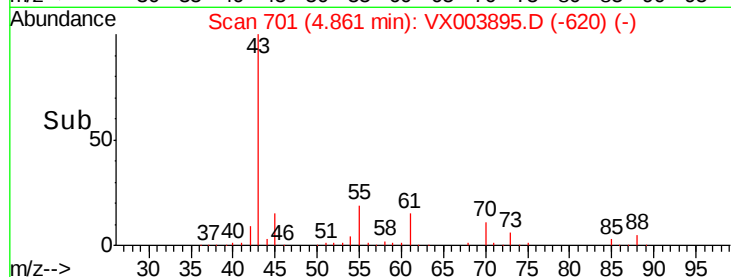
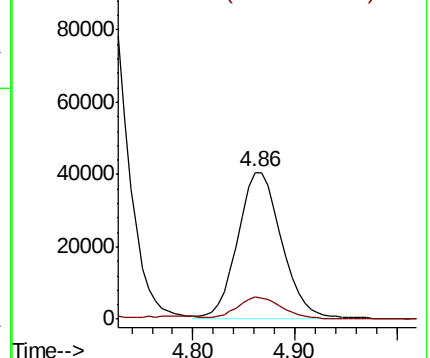
43 100

45 14.3 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: 18.22 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003895.D

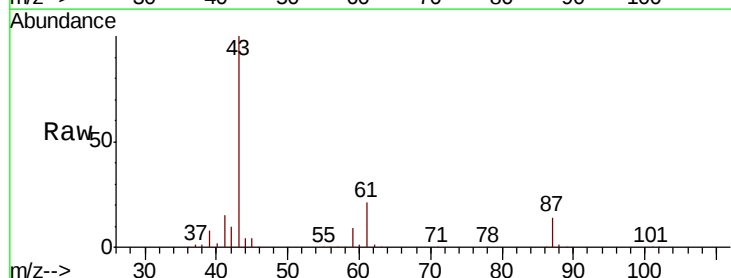
Acq: 07 Aug 2018 22:19

Tgt Ion: 43 Resp: 186037

Ion Ratio Lower Upper

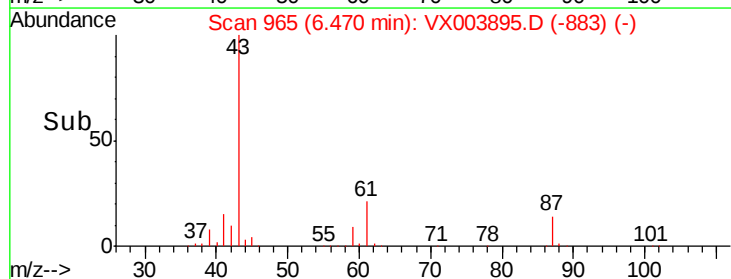
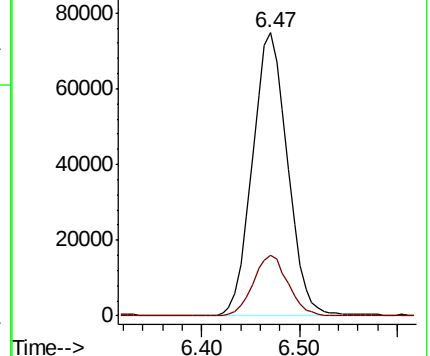
43 100

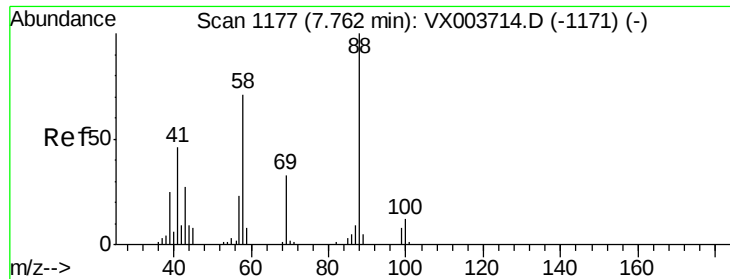
61 21.3 14.5 21.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

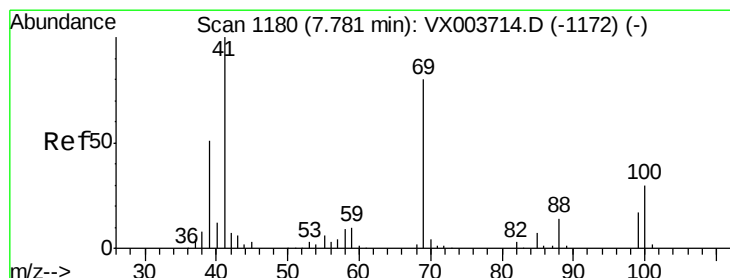
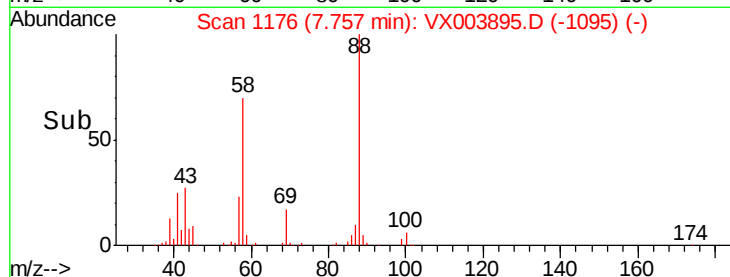
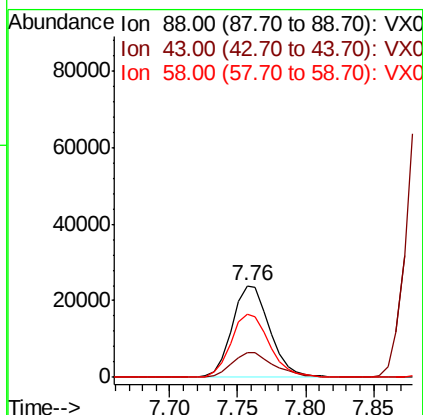
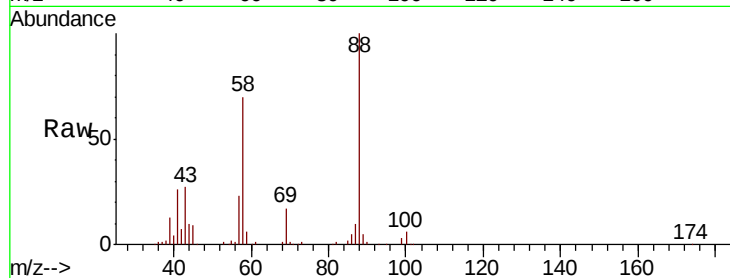




#45
 1,4-Dioxane
 Concen: 408.26 ug/l
 RT: 7.76 min Scan# 1176
 Delta R.T. -0.01 min
 Lab File: VX003895.D
 Acq: 07 Aug 2018 22:19

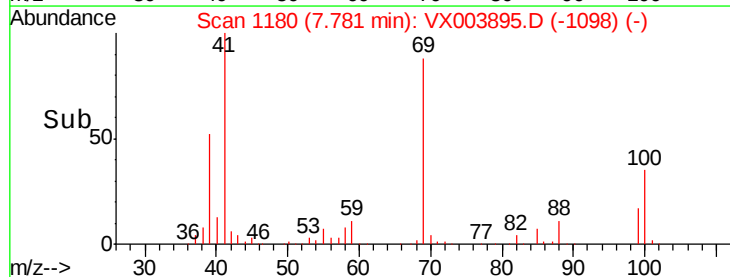
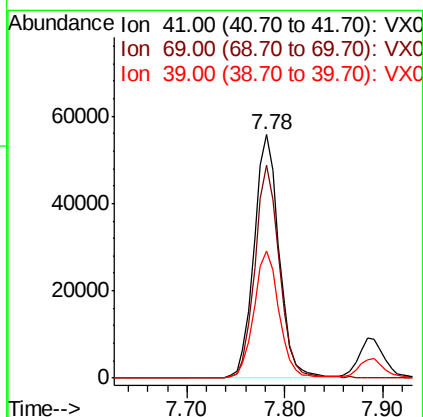
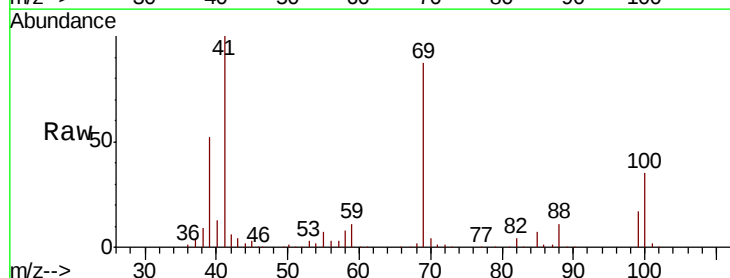
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

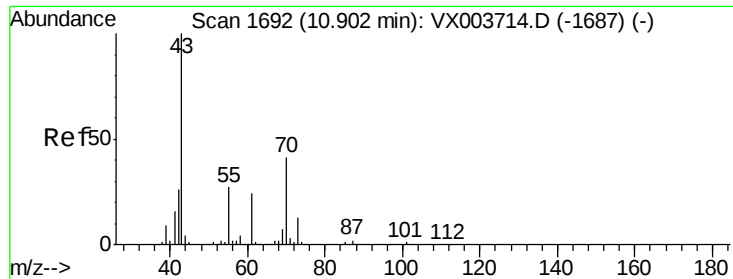
Tot Ion: 88 Resp: 46282
 Ion Ratio Lower Upper
 88 100
 43 30.0 43.2 64.8#
 58 71.3 60.2 90.2



#46
 Methyl methacrylate
 Concen: 18.94 ug/l
 RT: 7.78 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VX003895.D
 Acq: 07 Aug 2018 22:19

Tgt Ion: 41 Resp: 99763
 Ion Ratio Lower Upper
 41 100
 69 87.5 37.0 110.9
 39 52.0 29.6 88.9





#47

n-amvl Acetate

Concen: 16.37 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX003895.D

Acq: 07 Aug 2018 22:19

Instrument :

MSVOA_X

ClientSampleId :

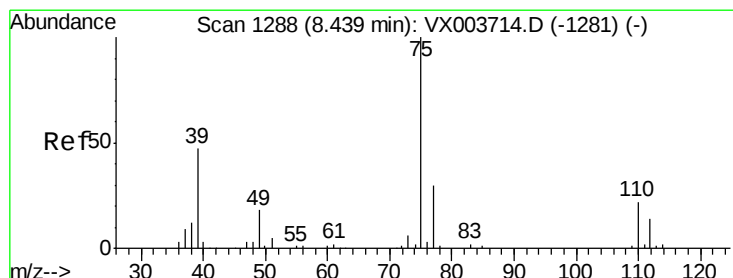
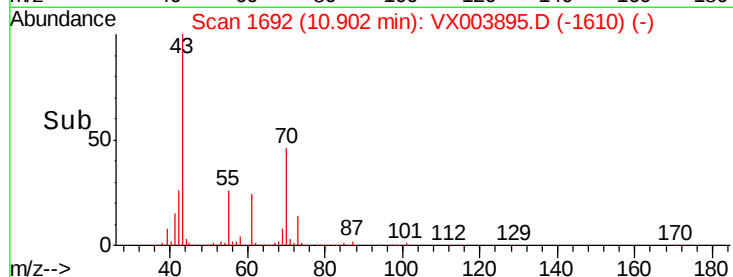
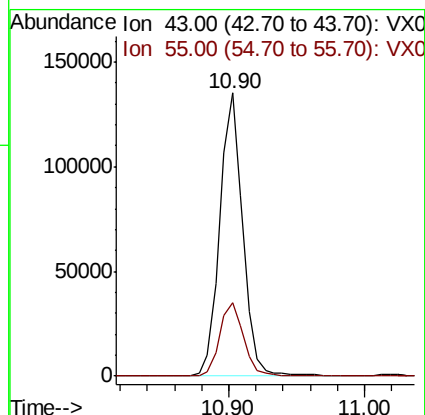
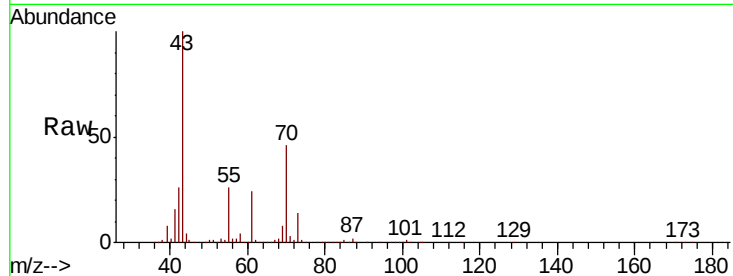
VSTDCCC020

Tot Ion: 43 Resp: 157783

Ion Ratio Lower Upper

43 100

55 27.0 0.1 0.1#



#48

t-1,3-Dichloropropene

Concen: 18.50 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX003895.D

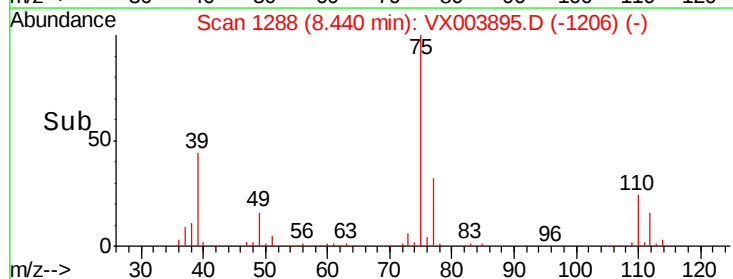
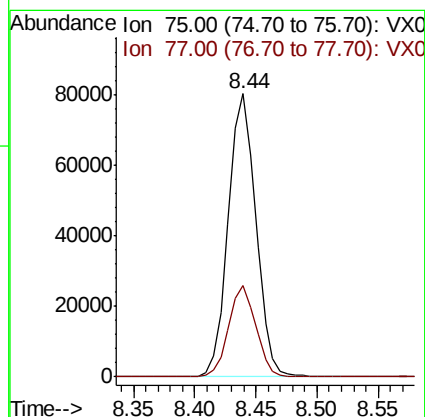
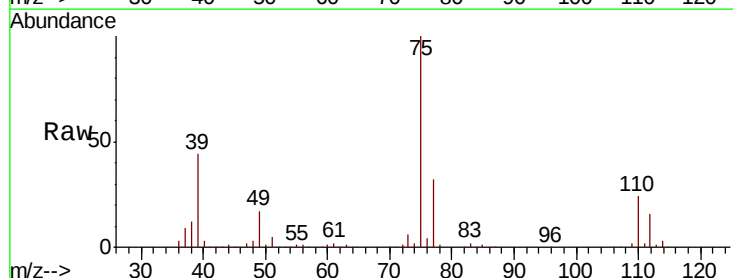
Acq: 07 Aug 2018 22:19

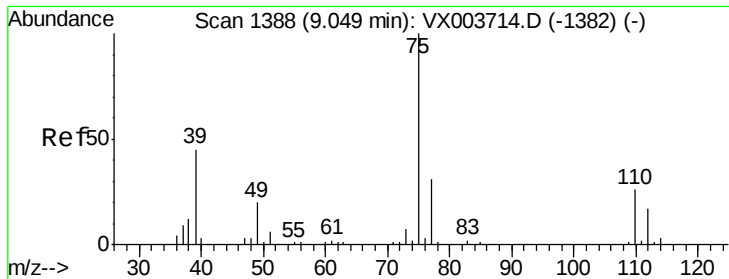
Tgt Ion: 75 Resp: 125734

Ion Ratio Lower Upper

75 100

77 32.2 25.6 38.4



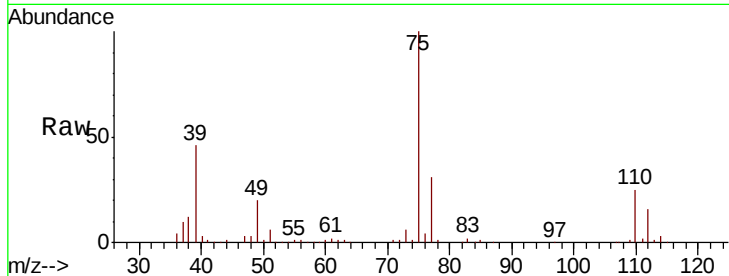


#49

cis-1,3-Dichloropropene
Concen: 17.70 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VX003895.D
Acq: 07 Aug 2018 22:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.2
39	45.9	42.3	63.5

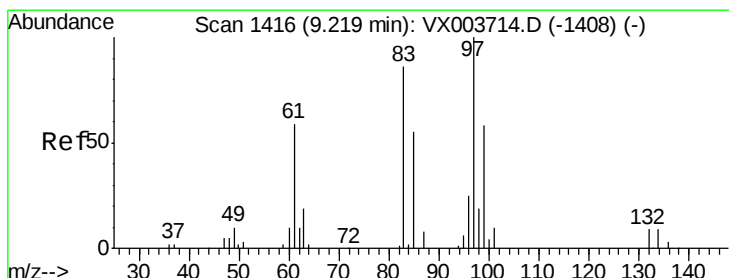
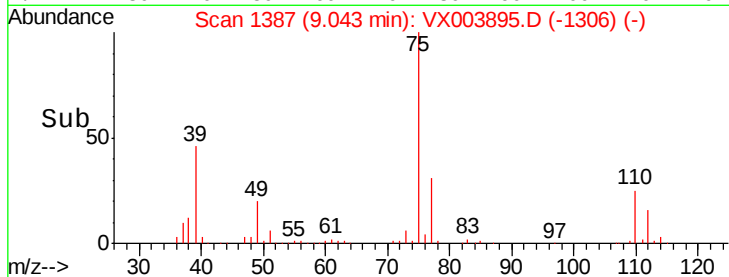
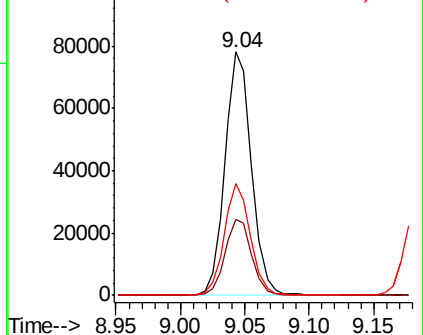


Abundance

Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

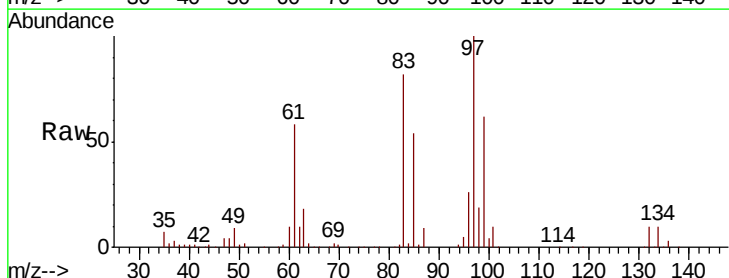
Ion 39.00 (38.70 to 39.70): VX0



#50

1,1,2-Trichloroethane
Concen: 19.20 ug/l
RT: 9.22 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VX003895.D
Acq: 07 Aug 2018 22:19

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.0	70.8	106.2
85	53.4	43.5	65.3
99	61.5	50.9	76.3



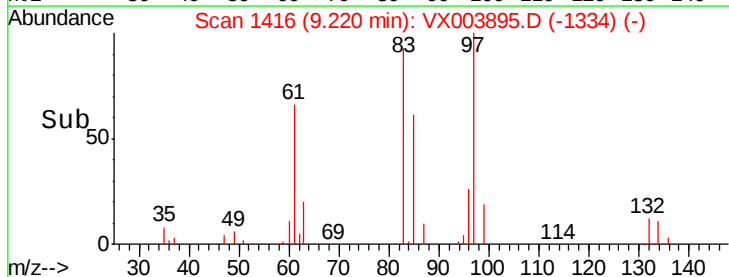
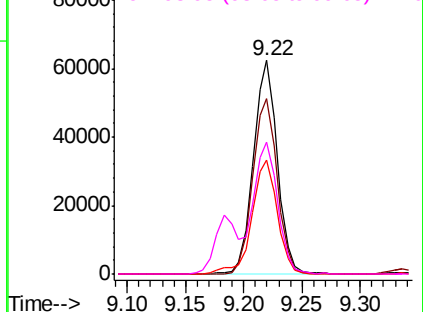
Abundance

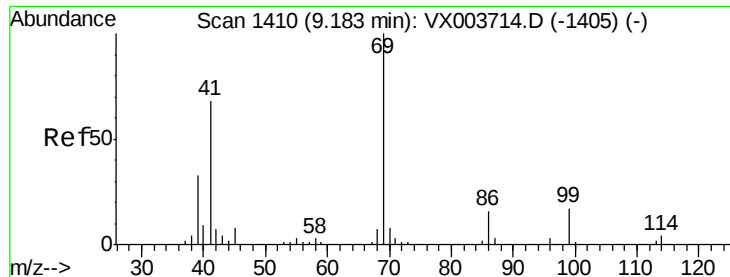
Ion 97.00 (96.70 to 97.70): VX0

Ion 82.95 (82.65 to 83.65): VX0

Ion 84.95 (84.65 to 85.65): VX0

Ion 98.95 (98.65 to 99.65): VX0





#51

Ethyl methacrylate

Concen: 17.68 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. 0.00 min

Lab File: VX003895.D

Acq: 07 Aug 2018 22:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

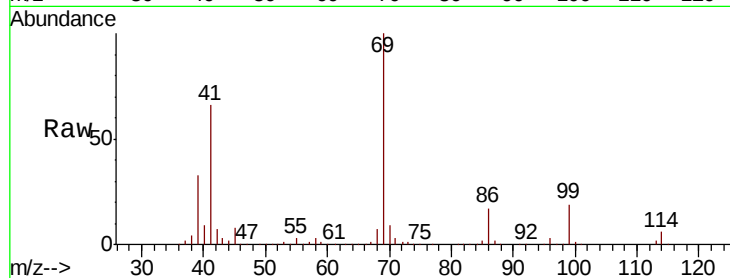
Tot Ion: 69 Resp: 123886

Ion Ratio Lower Upper

69 100

41 65.6 39.1 117.3

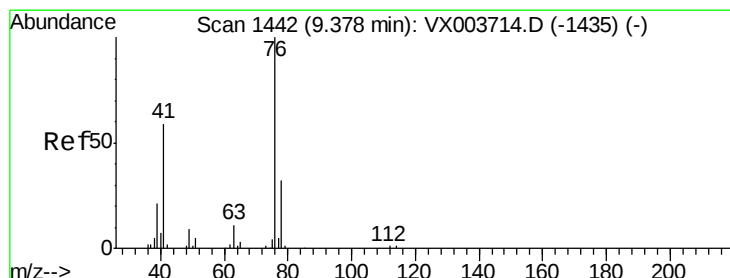
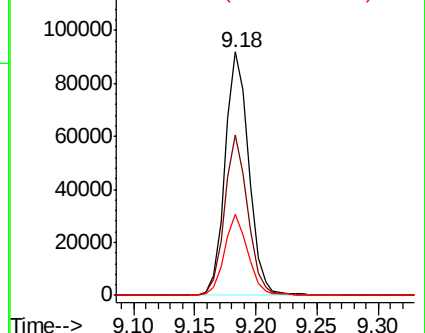
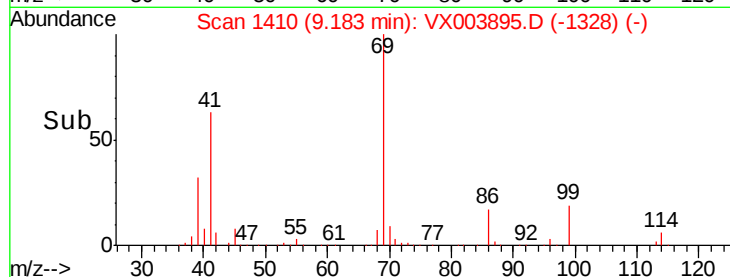
39 33.2 21.7 65.1



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: 19.62 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VX003895.D

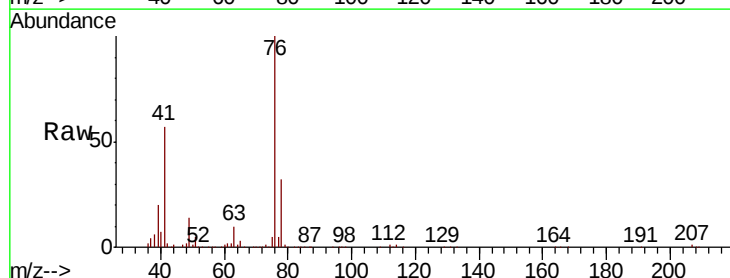
Acq: 07 Aug 2018 22:19

Tgt Ion: 76 Resp: 151959

Ion Ratio Lower Upper

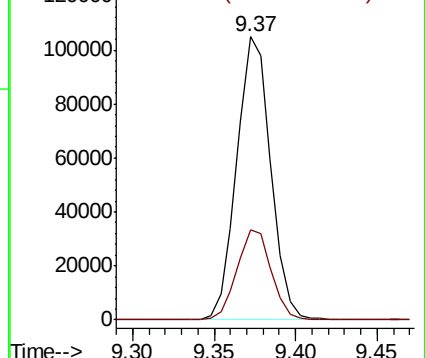
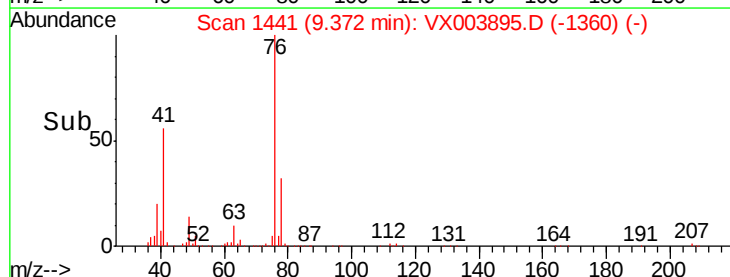
76 100

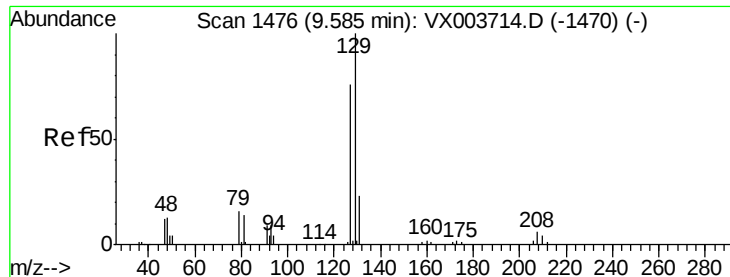
78 32.2 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 18.58 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. 0.00 min

Lab File: VX003895.D

Acq: 07 Aug 2018 22:19

Instrument :

MSVOA_X

ClientSampleId :

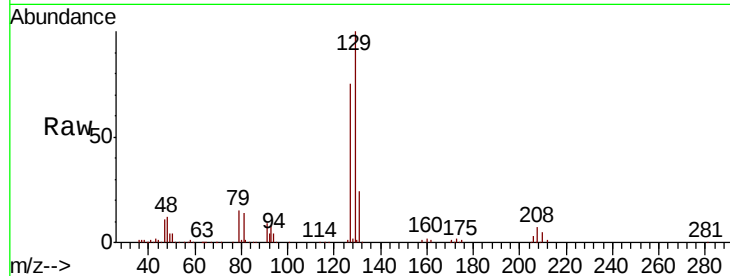
VSTDCCC020

Tot Ion:129 Resp: 84927

Ion Ratio Lower Upper

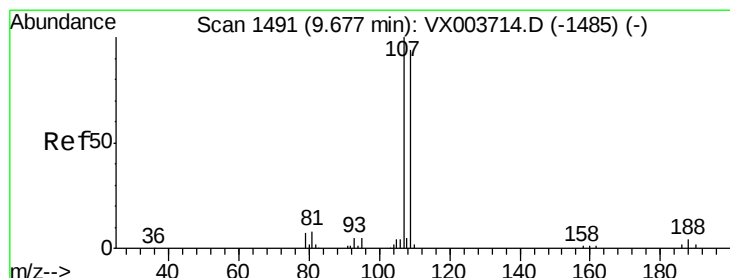
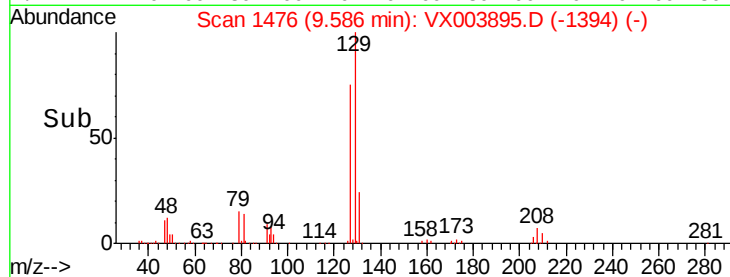
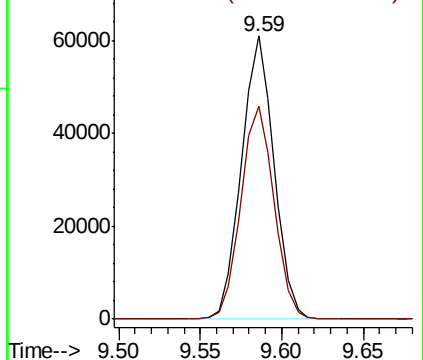
129 100

127 76.5 38.5 115.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.05 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003895.D

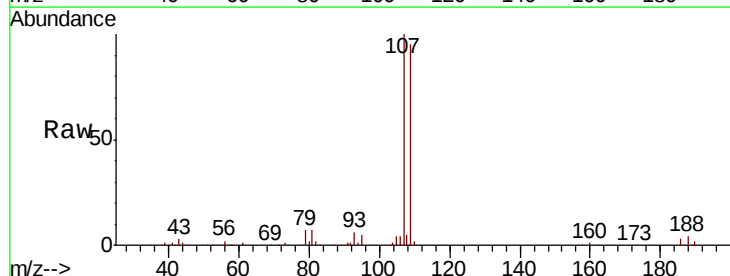
Acq: 07 Aug 2018 22:19

Tgt Ion:107 Resp: 92703

Ion Ratio Lower Upper

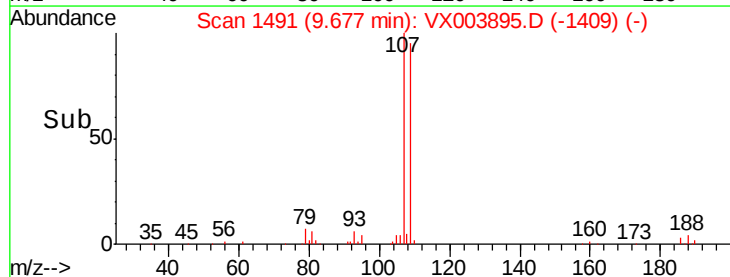
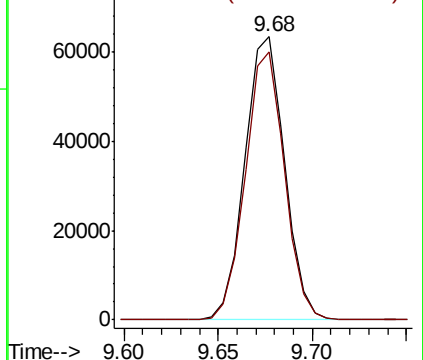
107 100

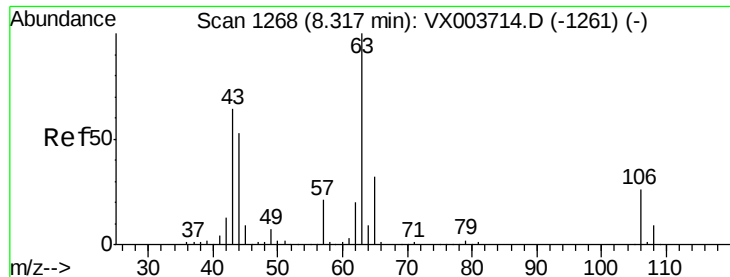
109 93.5 75.5 113.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

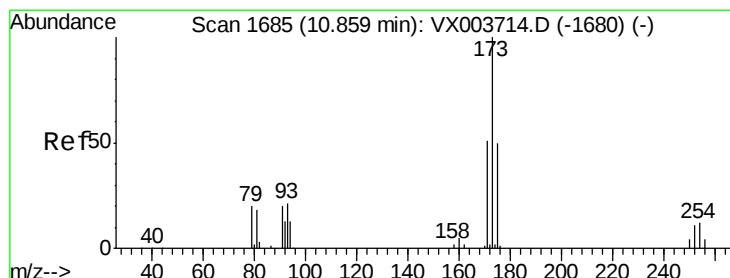
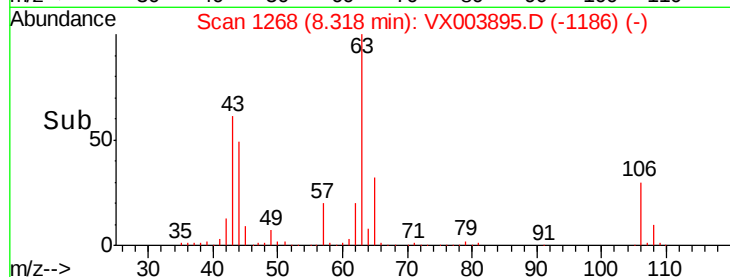
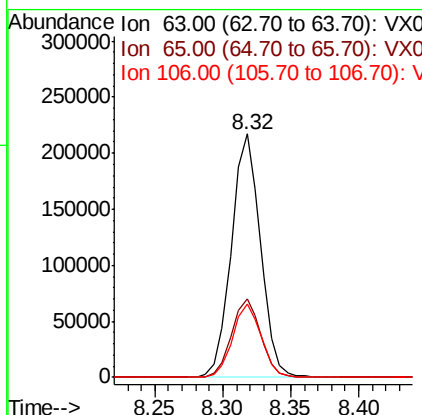
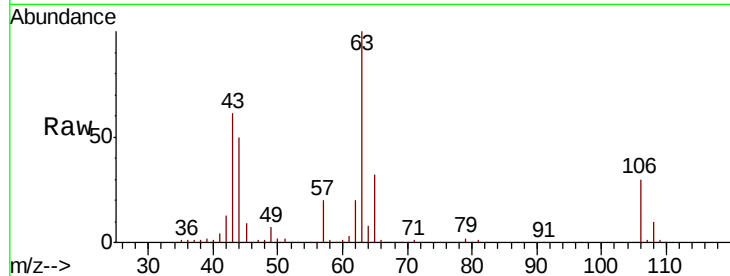




#55
2-Chloroethyl vinyl ether
Concen: 89.29 ug/l
RT: 8.32 min Scan# 1268
Delta R.T. 0.00 min
Lab File: VX003895.D
Acq: 07 Aug 2018 22:19

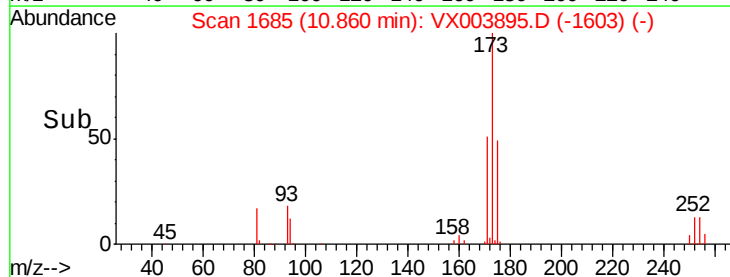
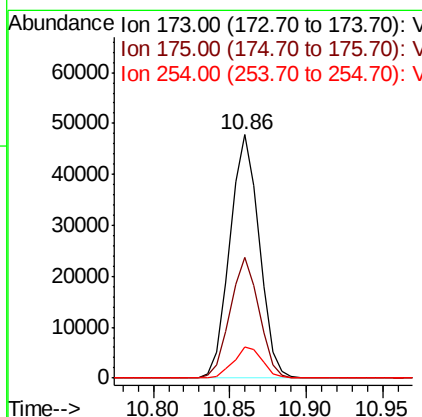
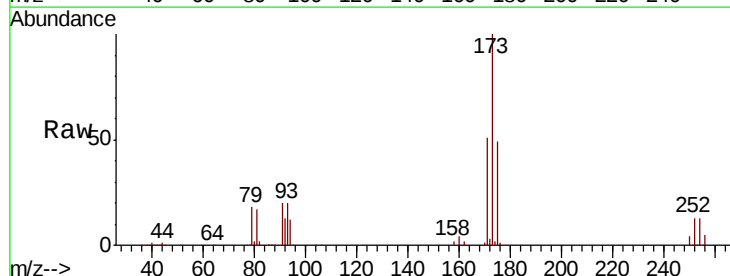
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

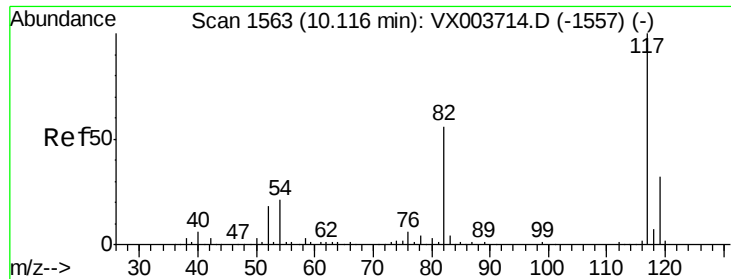
Tot Ion:	63	Resp:	322693
Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.6	38.4
106	29.8	21.6	32.4



#56
Bromoform
Concen: 17.94 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003895.D
Acq: 07 Aug 2018 22:19

Tgt Ion:	173	Resp:	63626
Ion	Ratio	Lower	Upper
173	100		
175	48.9	39.0	58.4
254	12.6	9.6	14.4

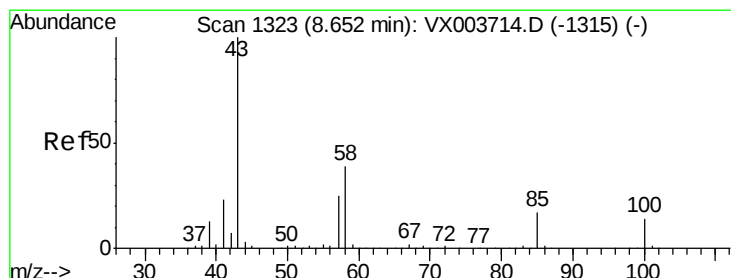
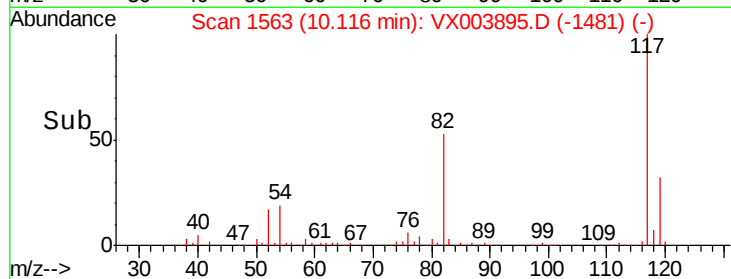
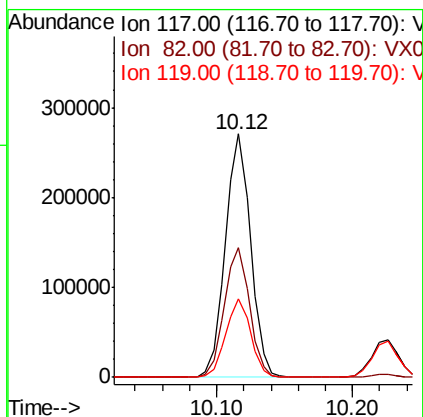
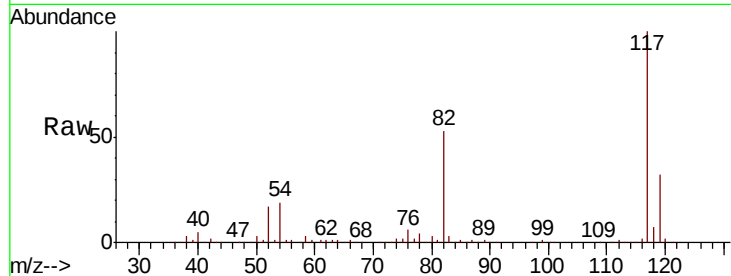




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003895.D
Acq: 07 Aug 2018 22:19

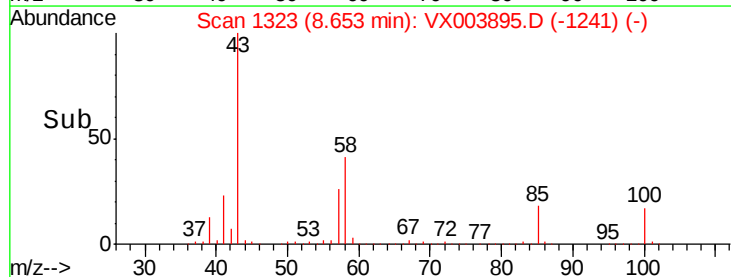
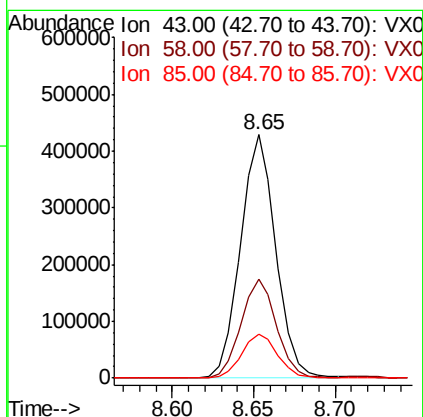
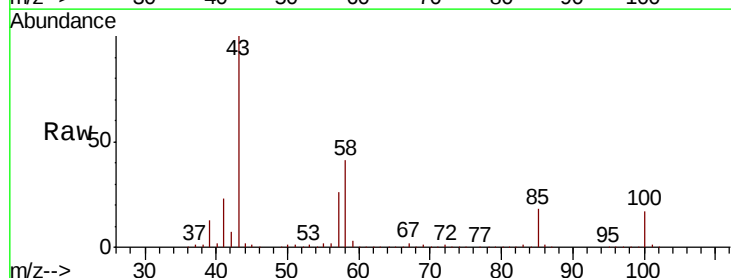
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

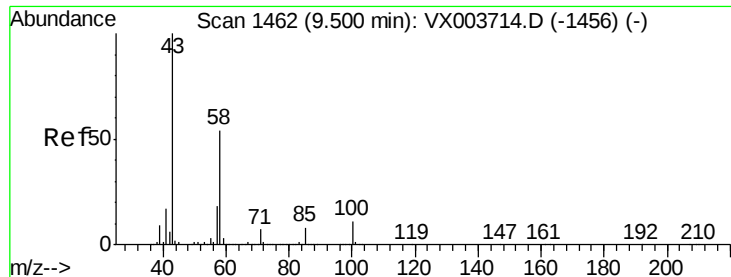
Tot Ion:117 Resp: 349282
Ion Ratio Lower Upper
117 100
82 53.3 44.3 66.5
119 31.9 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 97.60 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX003895.D
Acq: 07 Aug 2018 22:19

Tgt Ion: 43 Resp: 643662
Ion Ratio Lower Upper
43 100
58 40.9 28.2 42.4
85 18.7 12.4 18.6#

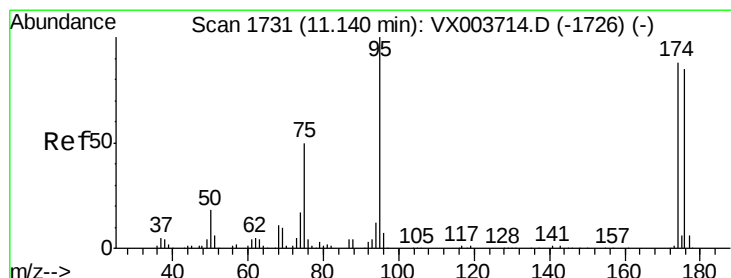
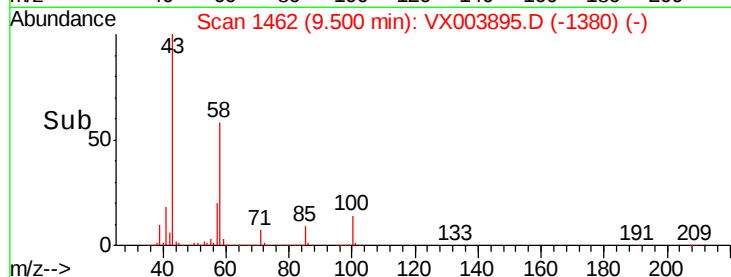
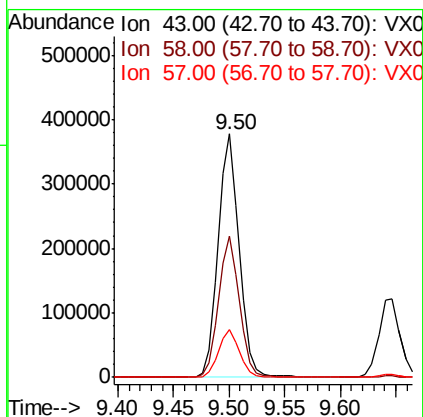
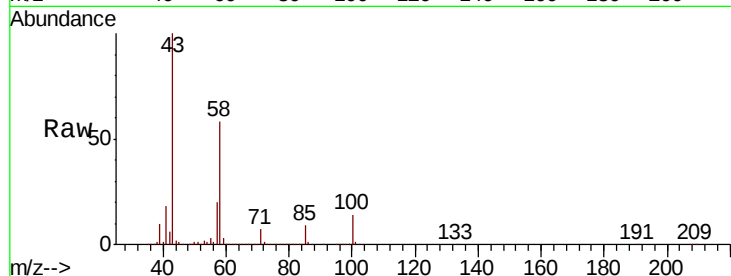




#59
2-Hexanone
Concen: 94.00 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003895.D
Acq: 07 Aug 2018 22:19

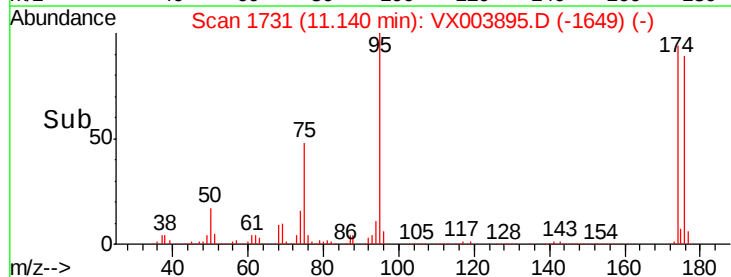
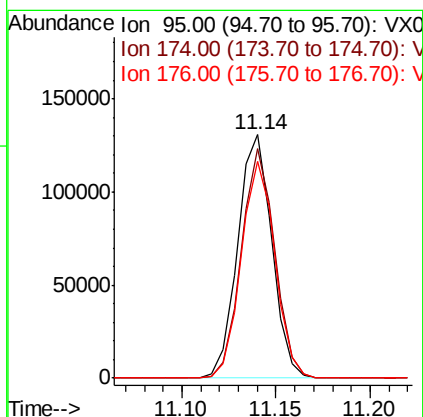
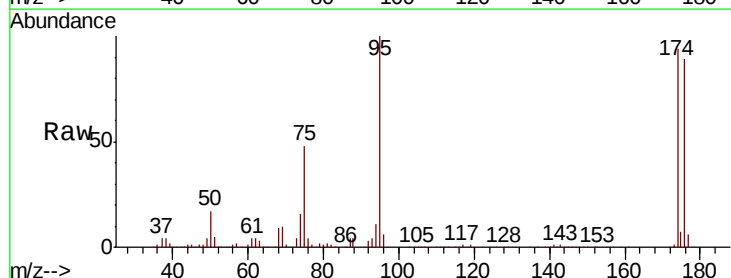
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

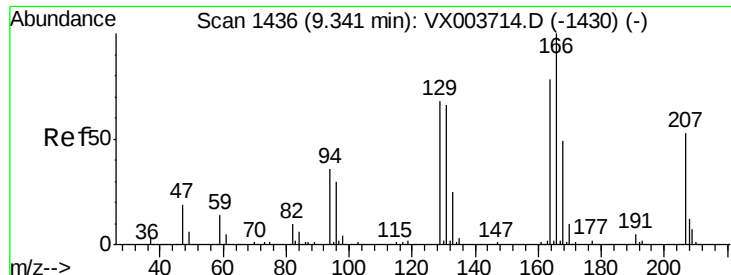
Tot Ion	Ratio	Lower	Upper
43	100		
58	57.1	39.6	59.4
57	19.6	14.1	21.1



#60
4-Bromofluorobenzene
Concen: 29.19 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003895.D
Acq: 07 Aug 2018 22:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.0	71.8	107.6
176	88.1	70.1	105.1





#61

Tetrachloroethene

Concen: 21.58 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.01 min

Lab File: VX003895.D

Acq: 07 Aug 2018 22:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:164 Resp: 87703

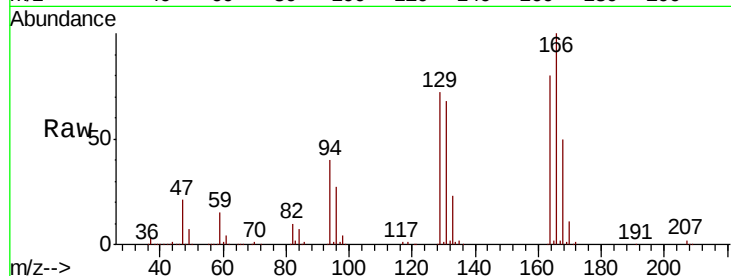
Ion Ratio Lower Upper

164 100

166 125.5 102.4 153.6

129 90.0 70.1 105.1

131 84.9 69.1 103.7

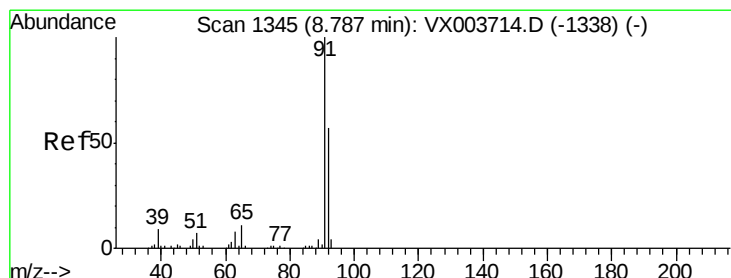
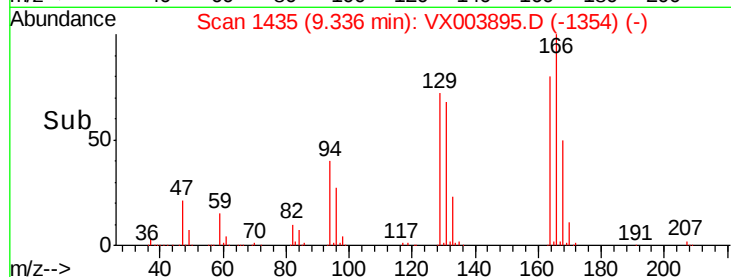
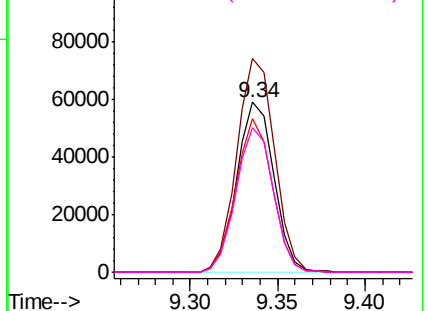


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.62 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003895.D

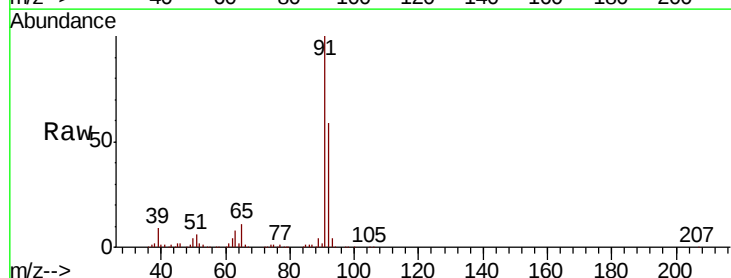
Acq: 07 Aug 2018 22:19

Tgt Ion: 91 Resp: 373865

Ion Ratio Lower Upper

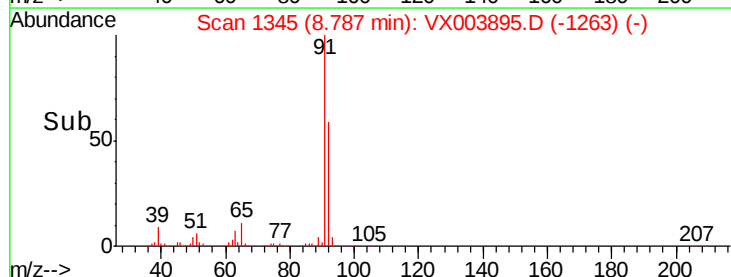
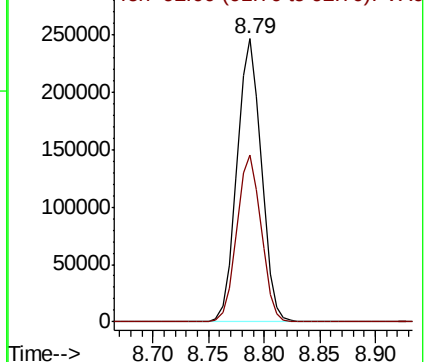
91 100

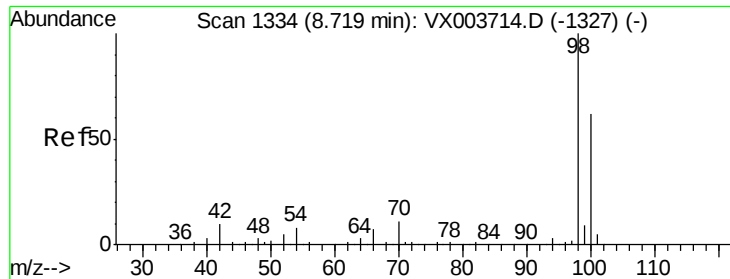
92 58.8 46.5 69.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 29.63 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003895.D

Acq: 07 Aug 2018 22:19

Instrument :

MSVOA_X

ClientSampleId :

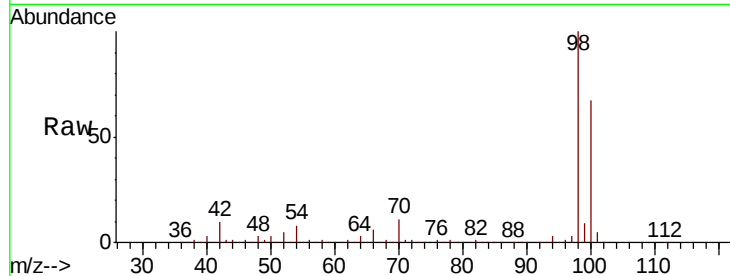
VSTDCCC020

Tot Ion: 98 Resp: 466258

Ion Ratio Lower Upper

98 100

100 66.9 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VX003714.D (-1327) (-)

Ion 100.00 (99.70 to 100.70): VX003895.D (-1252) (-)

8.72

300000

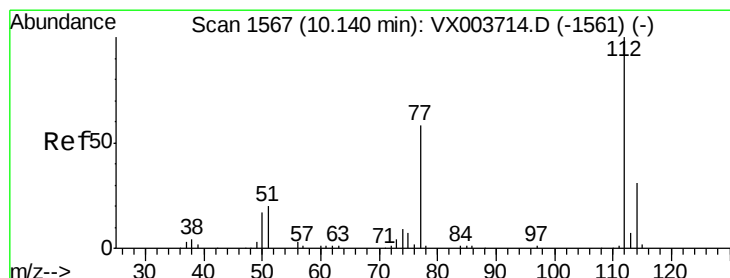
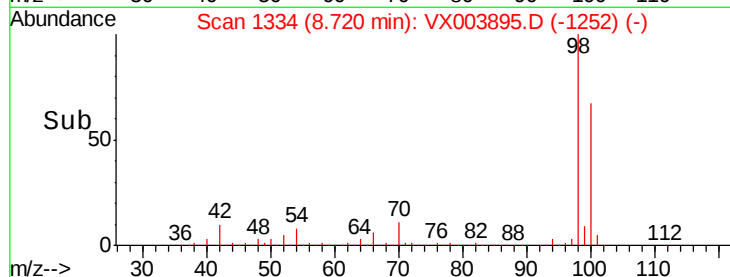
200000

100000

0

8.65 8.70 8.75 8.80

Time-->



#64

Chlorobenzene

Concen: 20.73 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003895.D

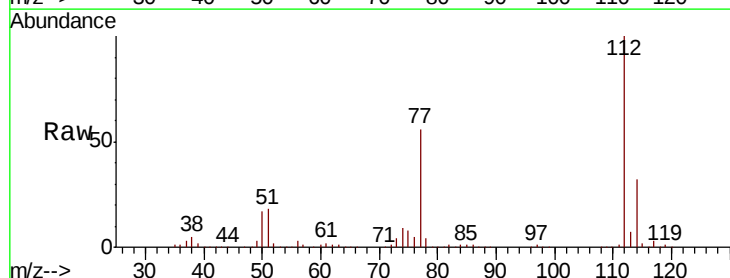
Acq: 07 Aug 2018 22:19

Tgt Ion: 112 Resp: 242914

Ion Ratio Lower Upper

112 100

114 32.3 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VX003714.D (-1561) (-)

Ion 114.00 (113.70 to 114.70): VX003895.D (-1485) (-)

10.14

200000

150000

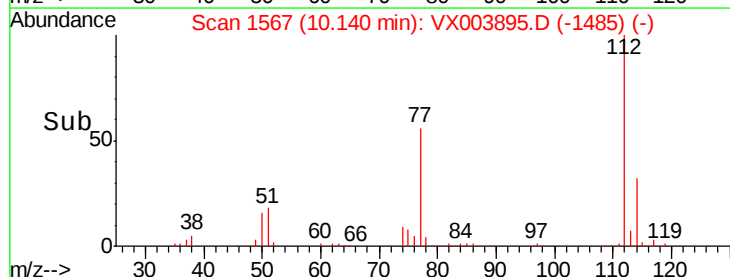
100000

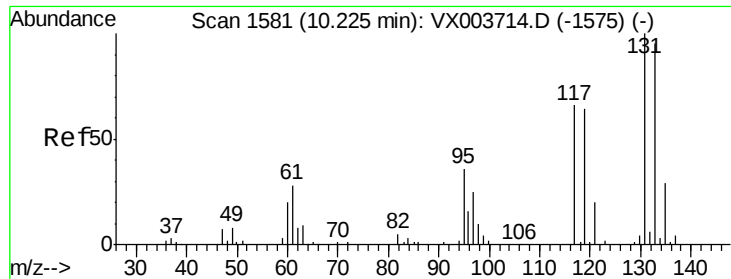
50000

0

10.10 10.15 10.20

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 20.67 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003895.D

Acq: 07 Aug 2018 22:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

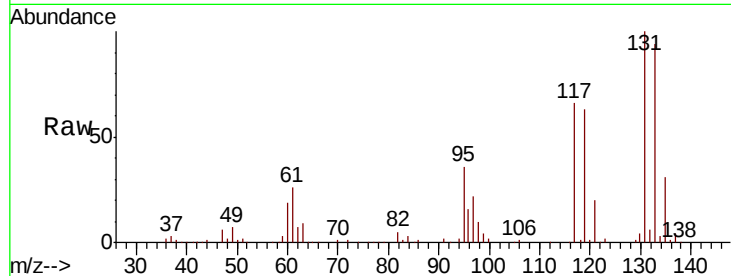
Tot Ion:131 Resp: 85668

Ion Ratio Lower Upper

131 100

133 95.1 0.0 191.2

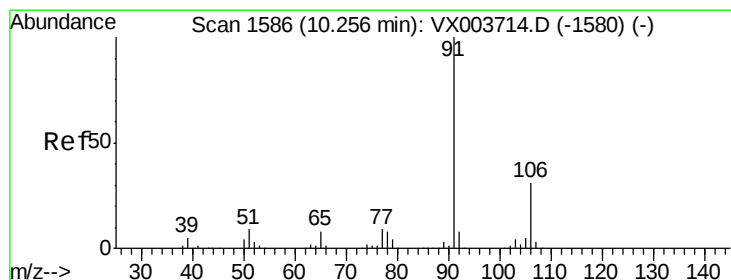
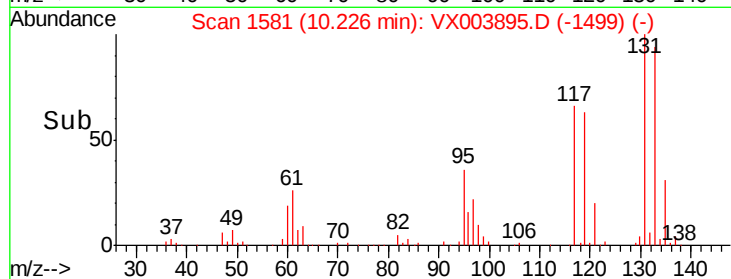
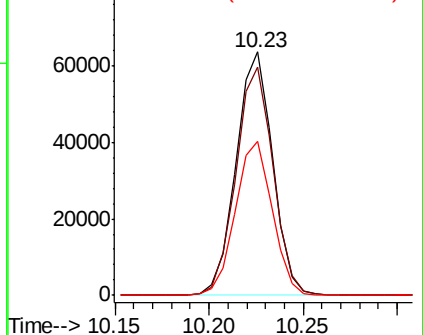
119 64.0 0.0 125.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.00 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003895.D

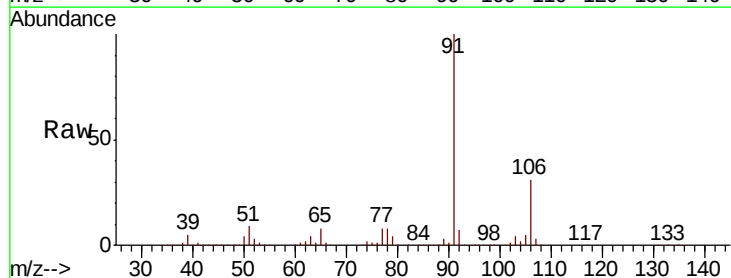
Acq: 07 Aug 2018 22:19

Tgt Ion: 91 Resp: 398935

Ion Ratio Lower Upper

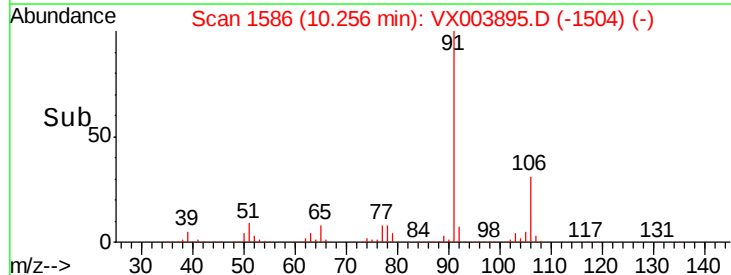
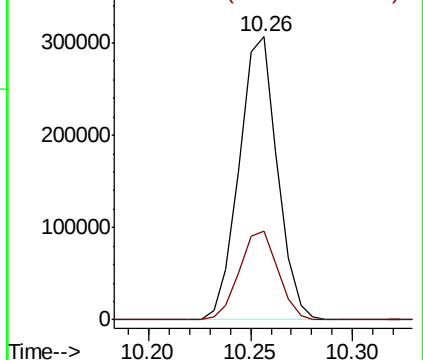
91 100

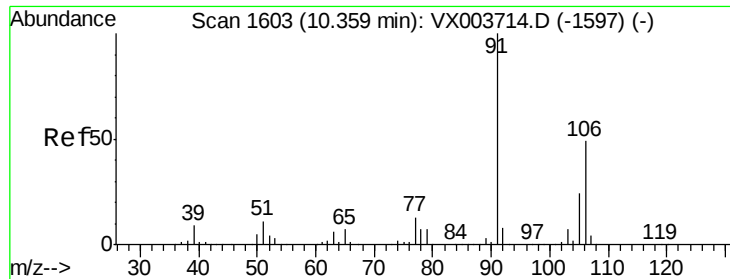
106 31.3 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

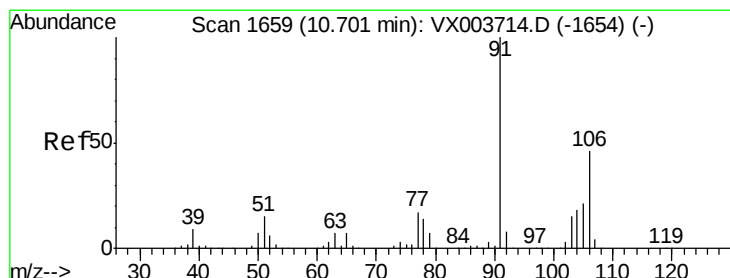
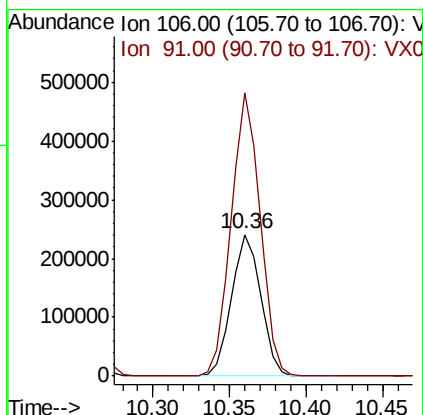
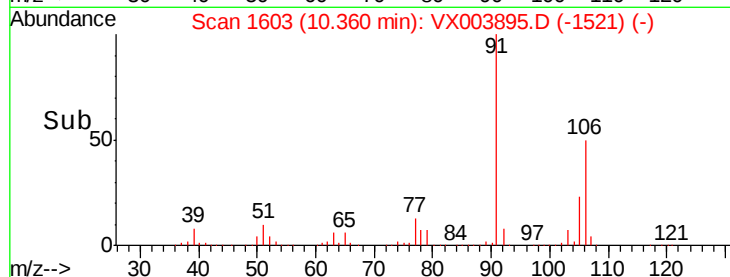
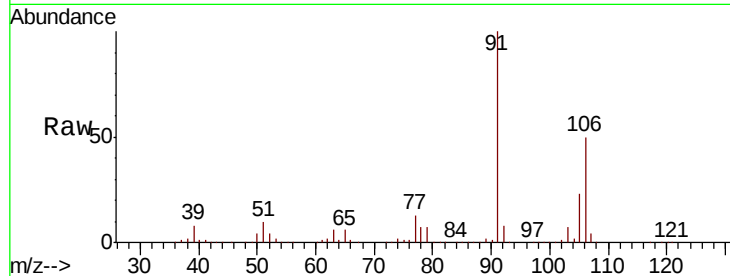




#67
m/p-Xvlenes
Concen: 41.68 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003895.D
Acq: 07 Aug 2018 22:19

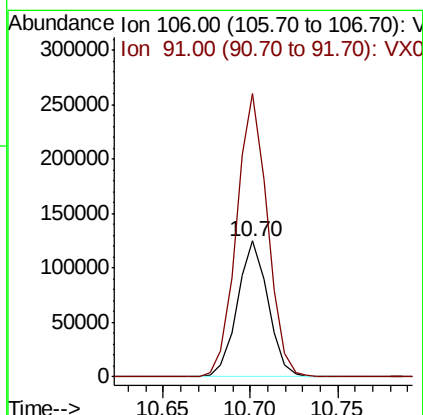
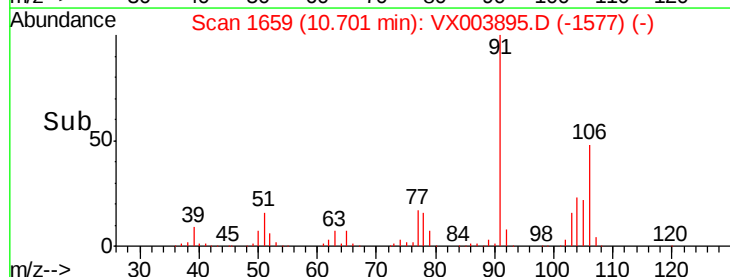
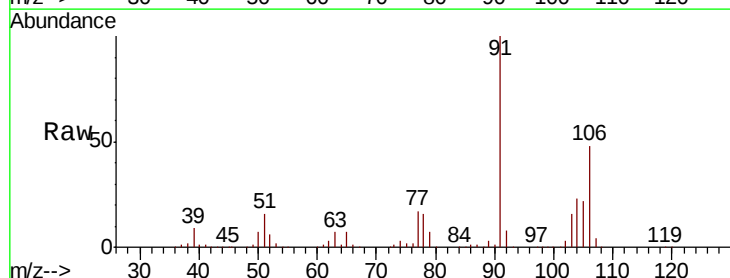
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

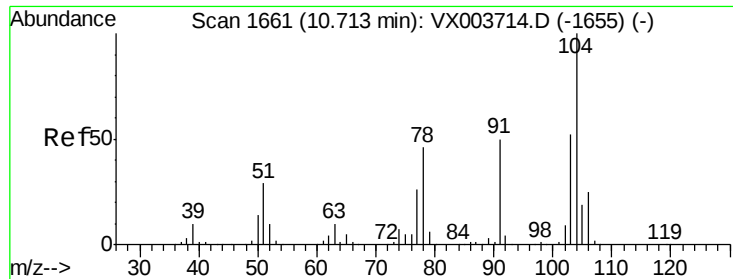
Tot Ion:106 Resp: 320302
Ion Ratio Lower Upper
106 100
91 198.0 164.1 246.1



#68
o-Xylene
Concen: 20.72 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003895.D
Acq: 07 Aug 2018 22:19

Tgt Ion:106 Resp: 152301
Ion Ratio Lower Upper
106 100
91 209.3 109.1 327.3

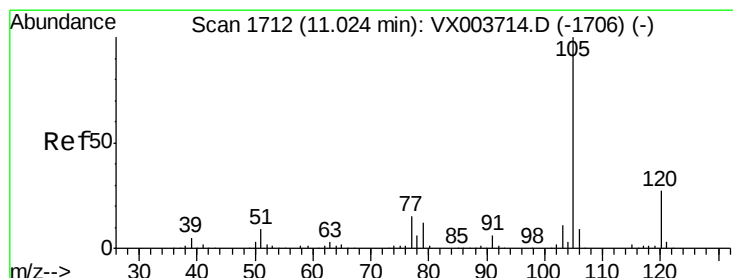
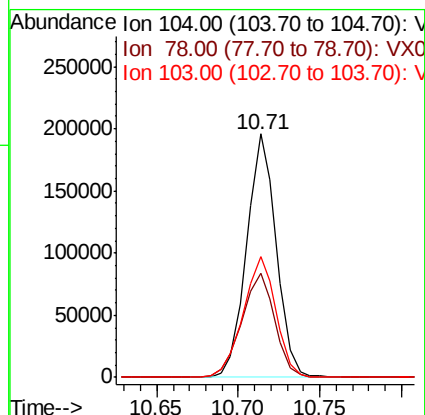
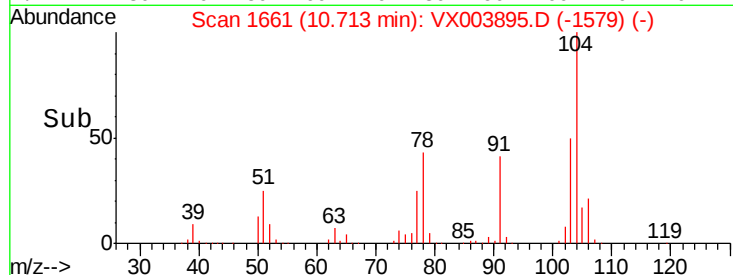
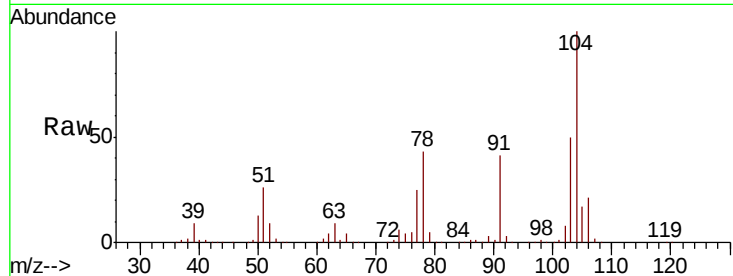




#69
Stvrene
Concen: 19.96 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003895.D
Acq: 07 Aug 2018 22:19

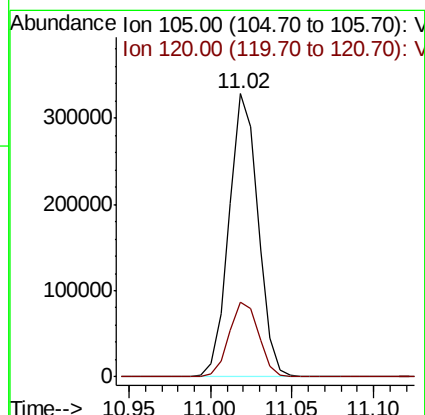
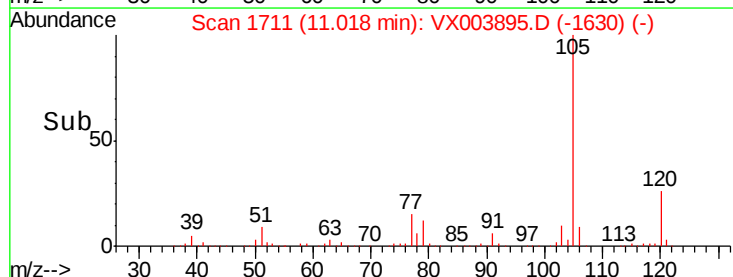
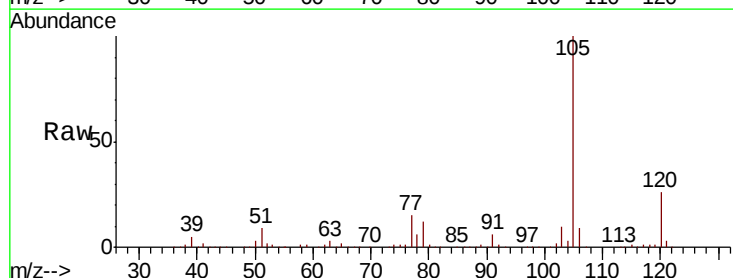
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

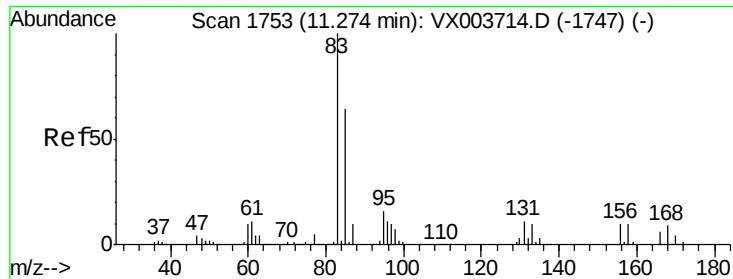
Tot Ion:104 Resp: 248399
Ion Ratio Lower Upper
104 100
78 47.8 41.8 62.8
103 54.9 44.9 67.3



#70
Isopropylbenzene
Concen: 20.06 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. -0.01 min
Lab File: VX003895.D
Acq: 07 Aug 2018 22:19

Tgt Ion:105 Resp: 406011
Ion Ratio Lower Upper
105 100
120 27.1 19.0 35.2

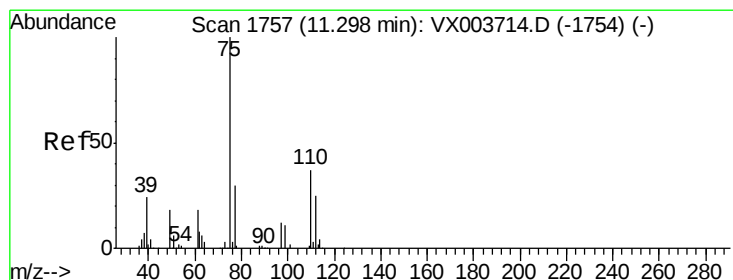
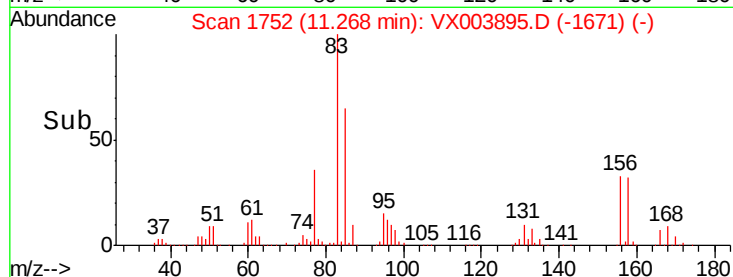
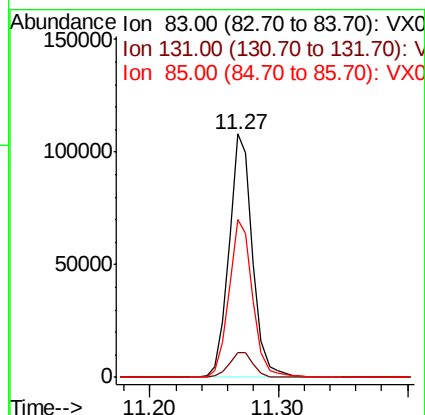
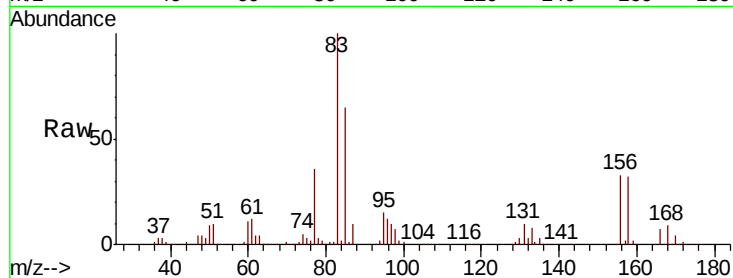




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.17 ug/l
 RT: 11.27 min Scan# 1752
 Delta R.T. -0.01 min
 Lab File: VX003895.D
 Acq: 07 Aug 2018 22:19

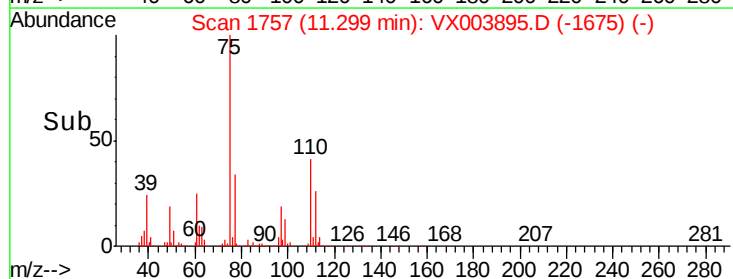
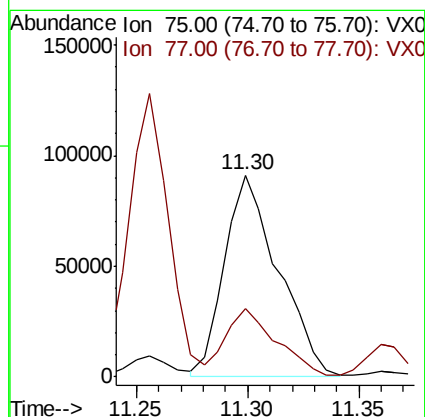
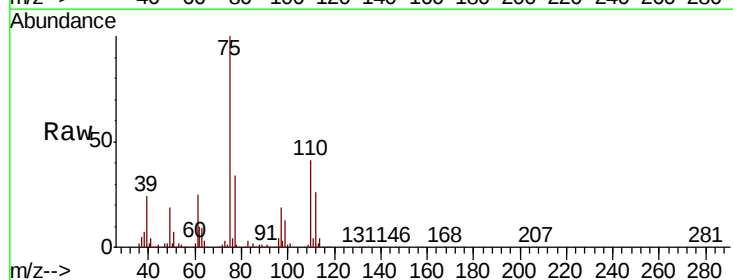
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

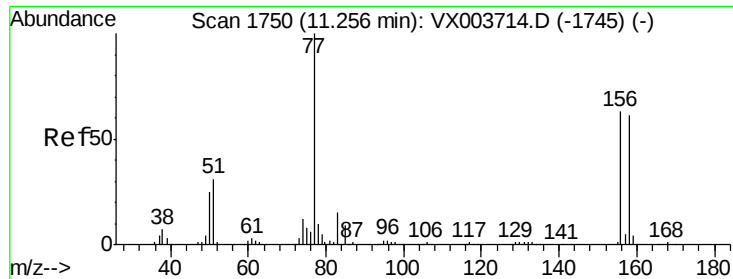
Tot Ion	83	Resp	138471
Ion Ratio	100	Lower	Upper
83	100		
131	10.7	5.4	16.2
85	65.0	32.4	97.2



#72
 1,2,3-Trichloropropane
 Concen: 25.51 ug/l
 RT: 11.30 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VX003895.D
 Acq: 07 Aug 2018 22:19

Tgt Ion	75	Resp	153292
Ion Ratio	100	Lower	Upper
75	100		
77	31.9	0.0	71.8





#73

Bromobenzene

Concen: 19.77 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003895.D

Acq: 07 Aug 2018 22:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

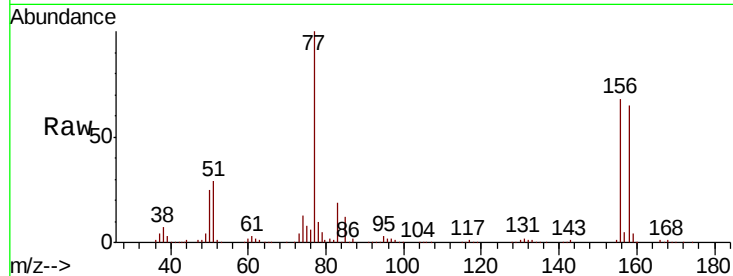
Tot Ion:156 Resp: 107814

Ion Ratio Lower Upper

156 100

77 147.7 0.0 301.0

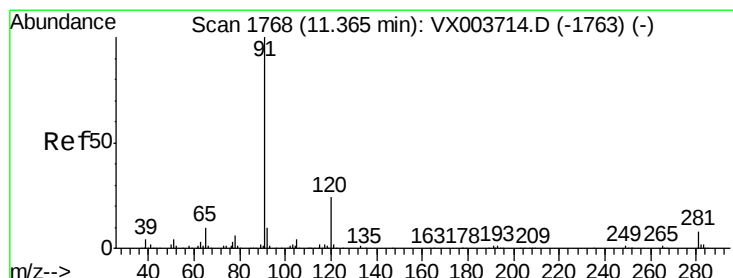
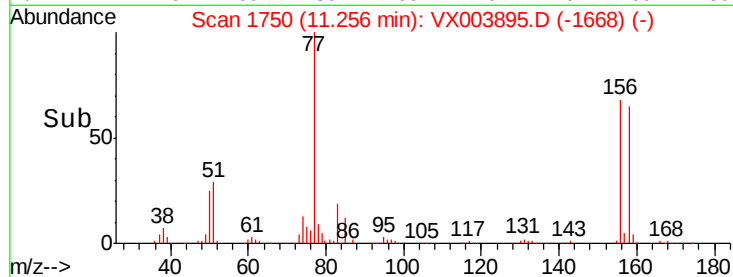
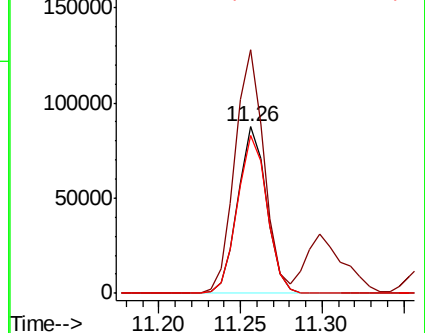
158 97.7 0.0 196.2



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: 19.49 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX003895.D

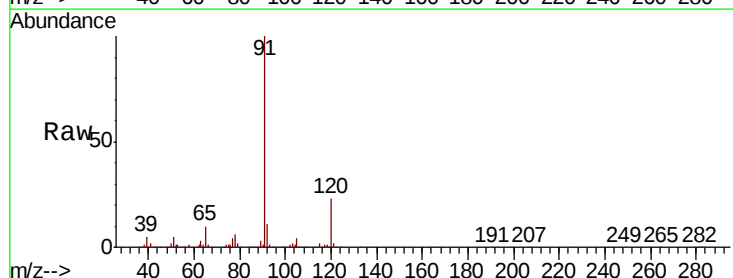
Acq: 07 Aug 2018 22:19

Tgt Ion: 91 Resp: 464513

Ion Ratio Lower Upper

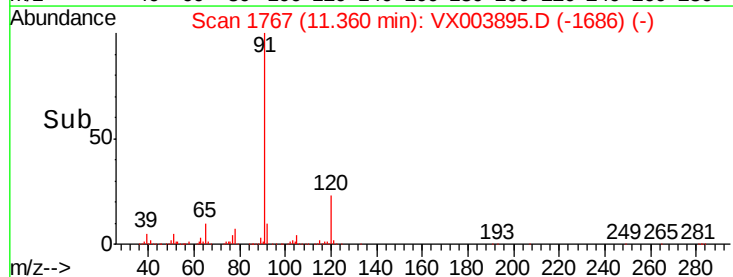
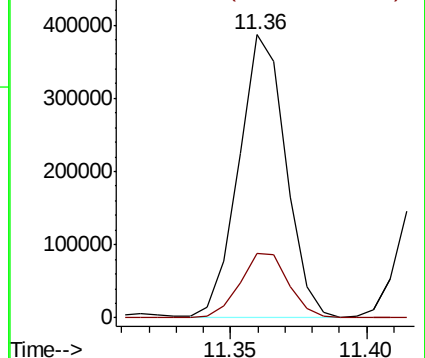
91 100

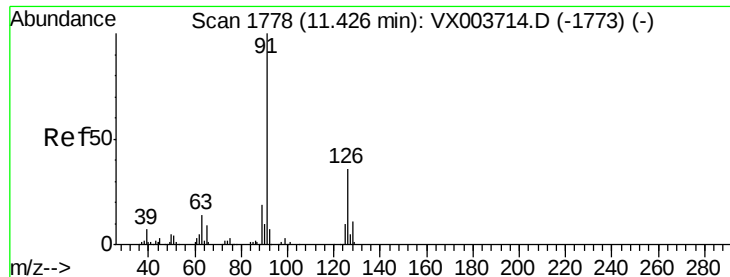
120 23.7 0.0 46.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.94 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX003895.D

Acq: 07 Aug 2018 22:19

Instrument :

MSVOA_X

ClientSampleId :

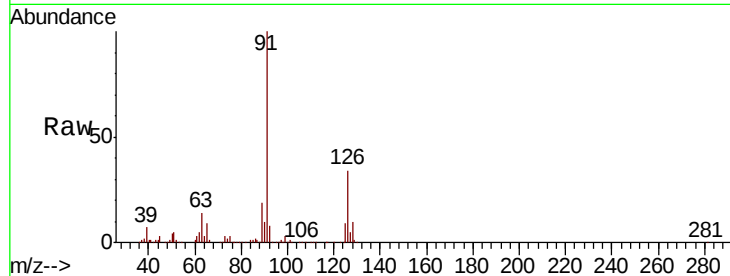
VSTDCCC020

Tot Ion: 91 Resp: 280215

Ion Ratio Lower Upper

91 100

126 34.4 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) (-)

400000

300000

200000

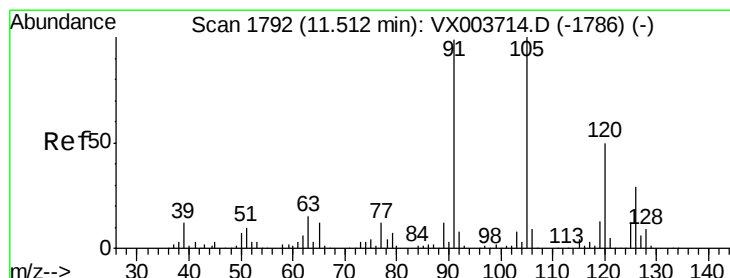
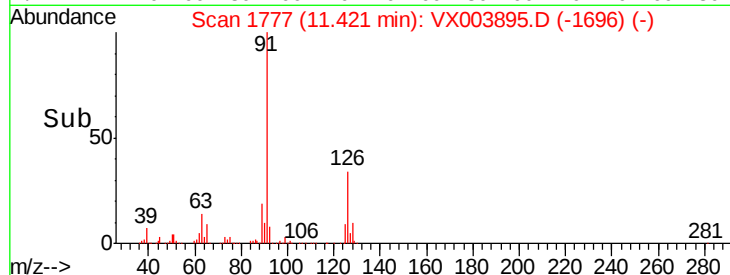
100000

0

11.42

11.45

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.50 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX003895.D

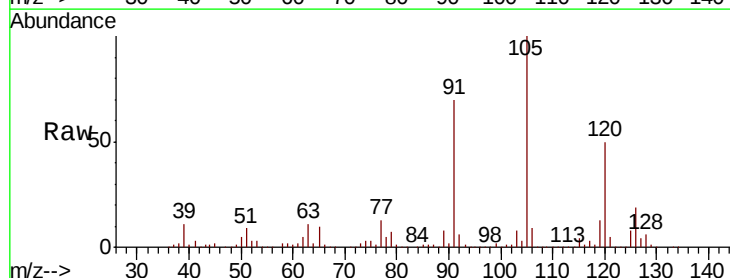
Acq: 07 Aug 2018 22:19

Tgt Ion: 105 Resp: 334919

Ion Ratio Lower Upper

105 100

120 51.0 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) (-)

300000

250000

200000

150000

100000

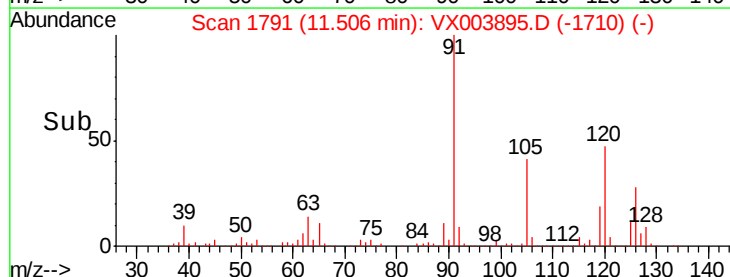
50000

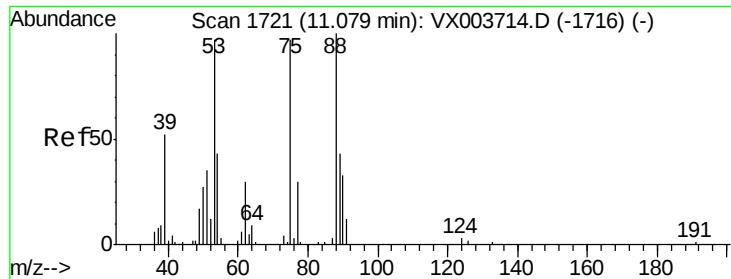
0

11.51

11.55

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 16.51 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003895.D

Acq: 07 Aug 2018 22:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

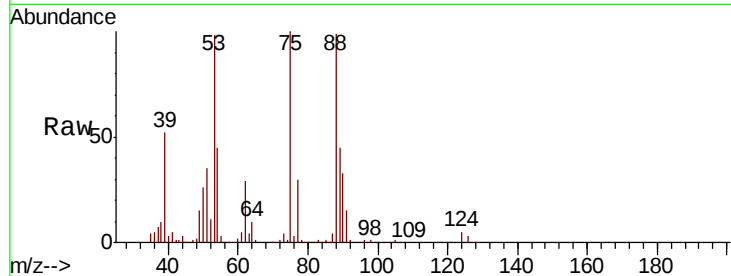
Tot Ion: 75 Resp: 33808

Ion Ratio Lower Upper

75 100

53 98.2 48.3 144.9

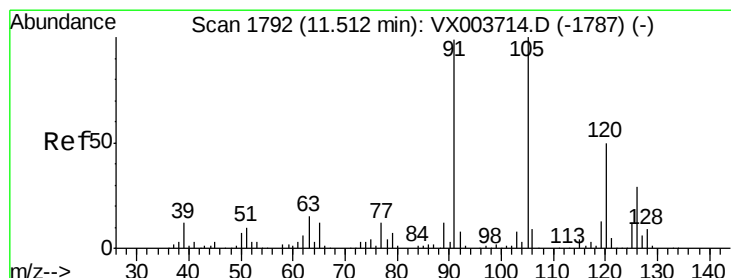
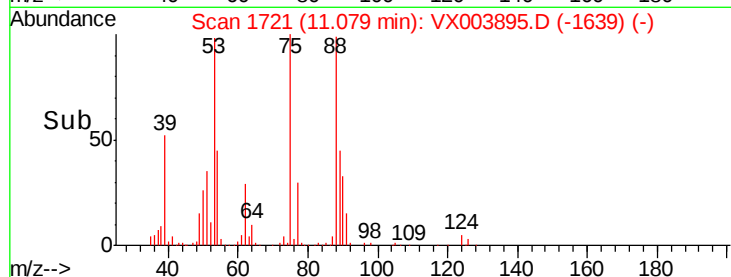
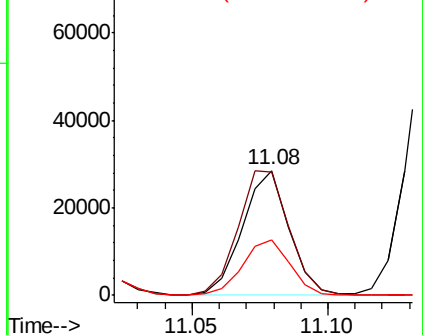
89 44.7 21.8 65.4



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: 19.36 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003895.D

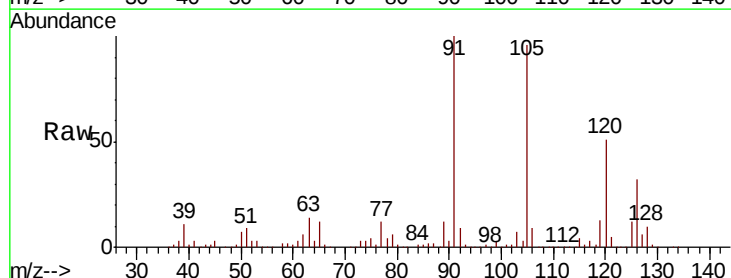
Acq: 07 Aug 2018 22:19

Tgt Ion: 91 Resp: 318300

Ion Ratio Lower Upper

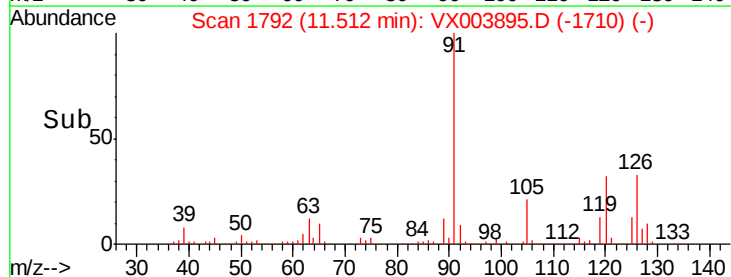
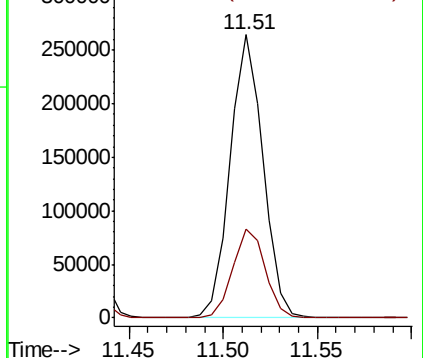
91 100

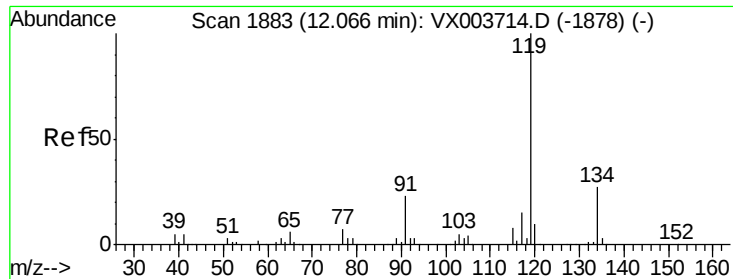
126 31.1 0.0 61.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

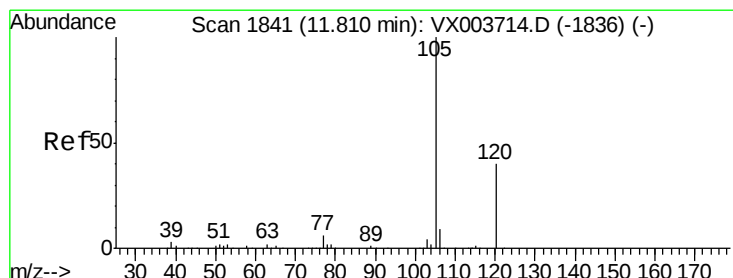
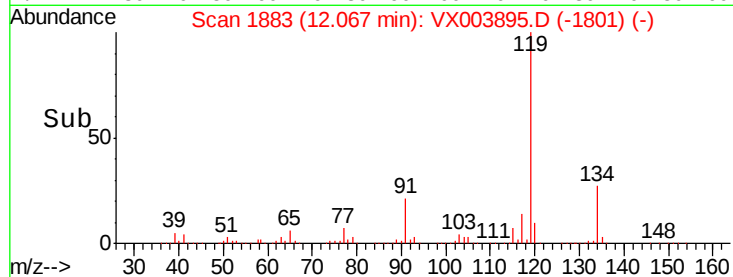
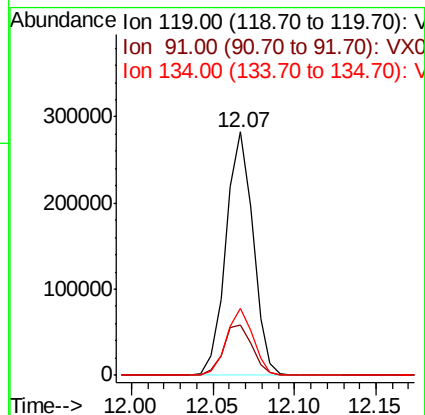
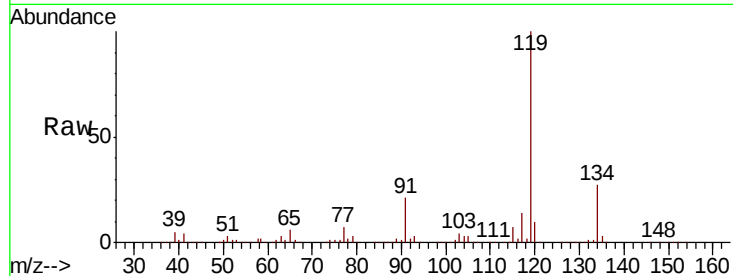




#79
 tert-butylbenzene
 Concen: 18.54 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX003895.D
 Acq: 07 Aug 2018 22:19

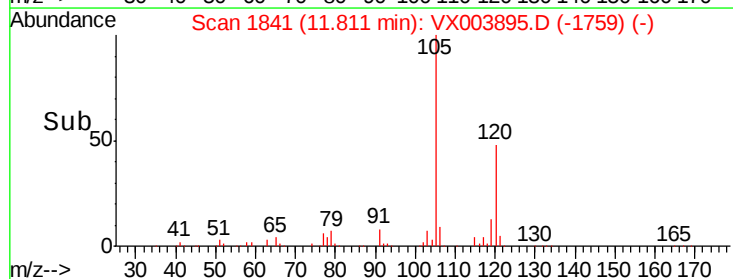
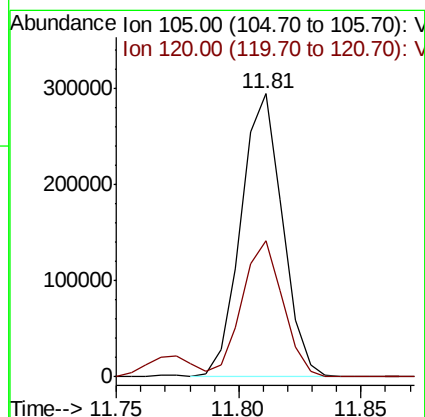
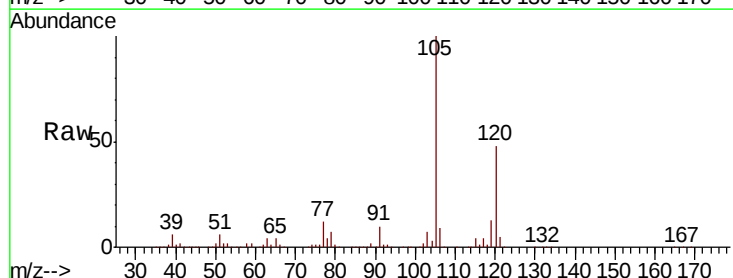
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

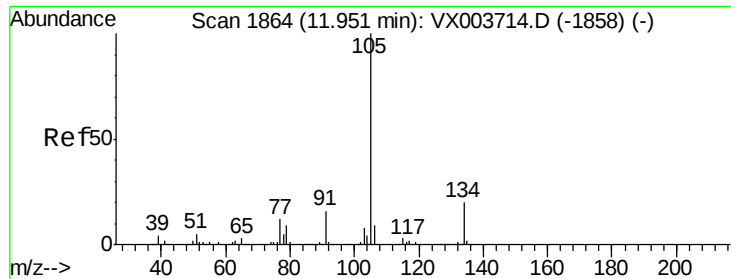
Tot Ion:119	Resp:	327654
Ion Ratio	Lower	Upper
119	100	
91	21.9	0.0 48.0
134	26.6	0.0 52.6



#80
 1,2,4-Trimethylbenzene
 Concen: 19.66 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003895.D
 Acq: 07 Aug 2018 22:19

Tgt Ion:105	Resp:	345475
Ion Ratio	Lower	Upper
105	100	
120	47.8	0.0 89.2

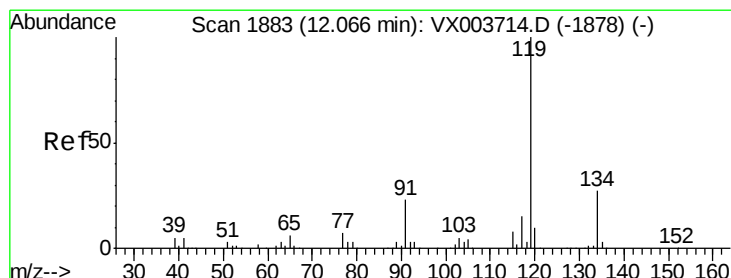
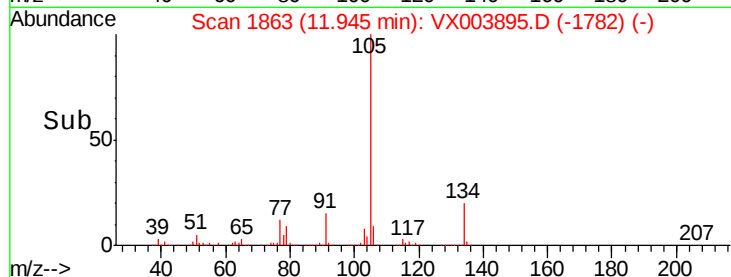
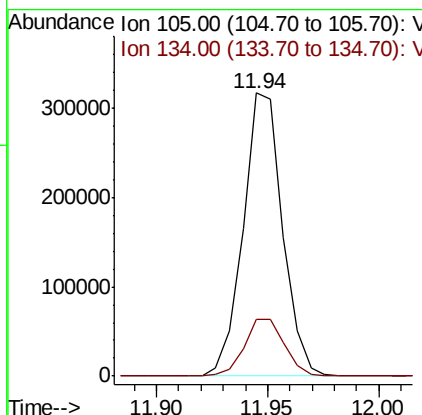
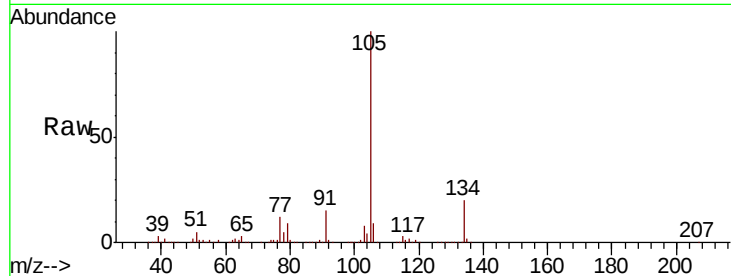




#81
 sec-Butylbenzene
 Concen: 19.56 ug/l
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.01 min
 Lab File: VX003895.D
 Acq: 07 Aug 2018 22:19

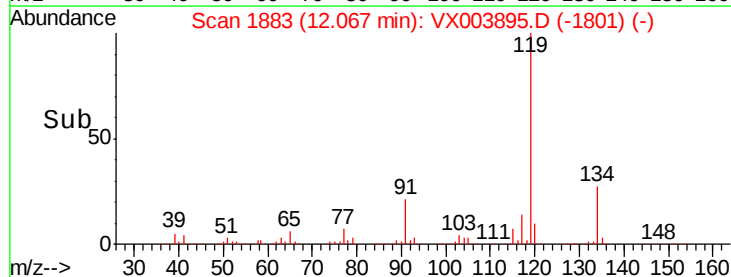
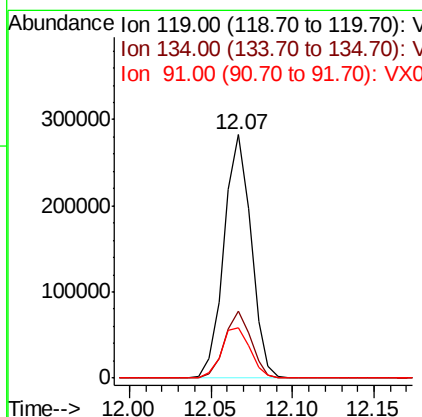
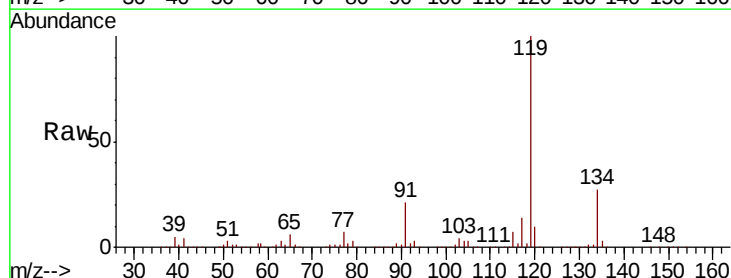
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

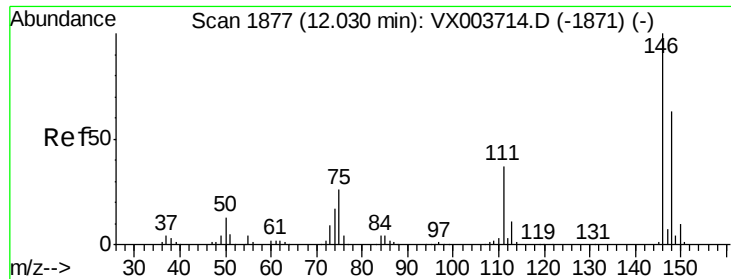
Tot Ion:105 Resp: 391224
 Ion Ratio Lower Upper
 105 100
 134 20.7 0.0 41.6



#82
 p-Isopropyltoluene
 Concen: 18.54 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX003895.D
 Acq: 07 Aug 2018 22:19

Tgt Ion:119 Resp: 327654
 Ion Ratio Lower Upper
 119 100
 134 26.6 0.0 52.6
 91 21.9 0.0 48.0

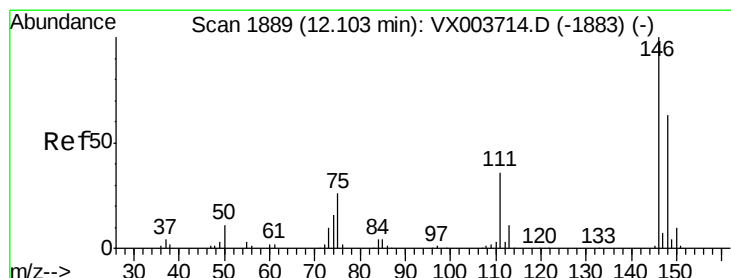
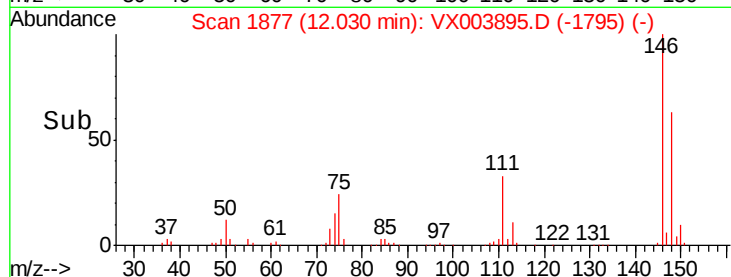
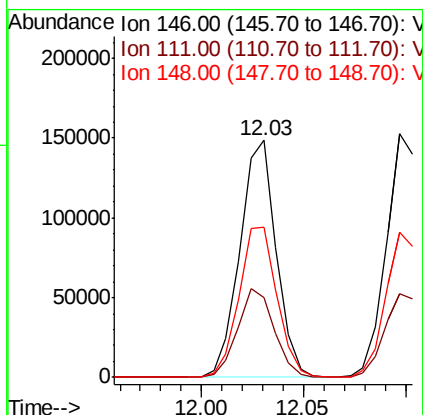
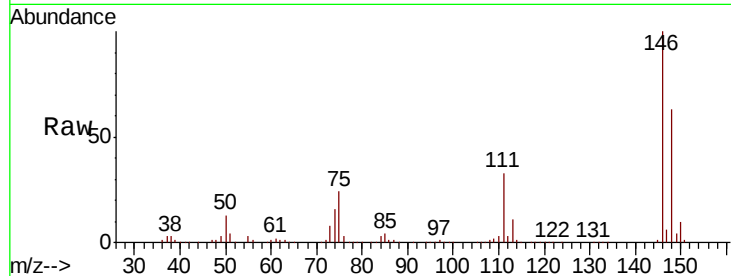




#83
 1,3-Dichlorobenzene
 Concen: 18.44 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003895.D
 Acq: 07 Aug 2018 22:19

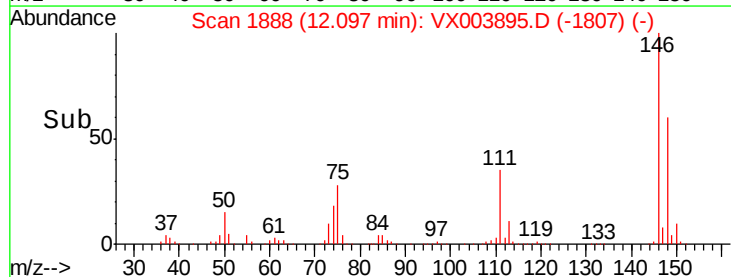
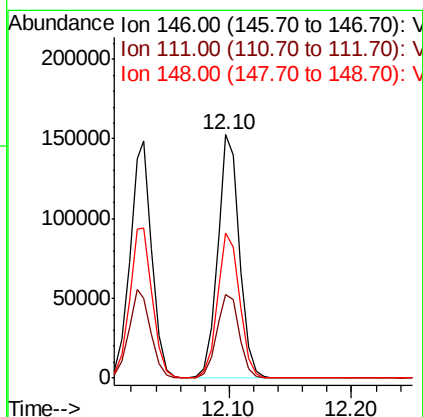
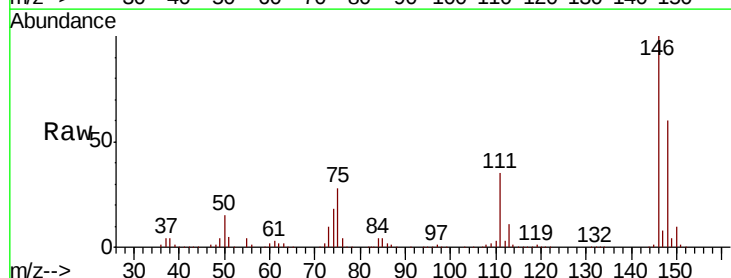
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

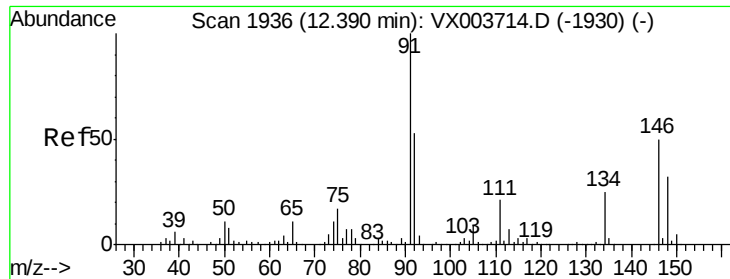
Tot Ion:146 Resp: 183652
 Ion Ratio Lower Upper
 146 100
 111 37.7 19.1 57.5
 148 66.2 31.9 95.7



#84
 1,4-Dichlorobenzene
 Concen: 18.72 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VX003895.D
 Acq: 07 Aug 2018 22:19

Tgt Ion:146 Resp: 187754
 Ion Ratio Lower Upper
 146 100
 111 35.9 18.5 55.5
 148 61.4 32.0 96.0

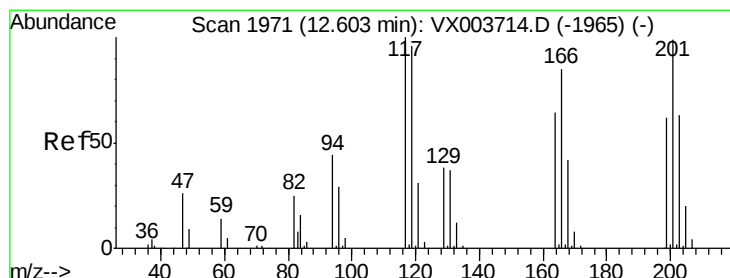
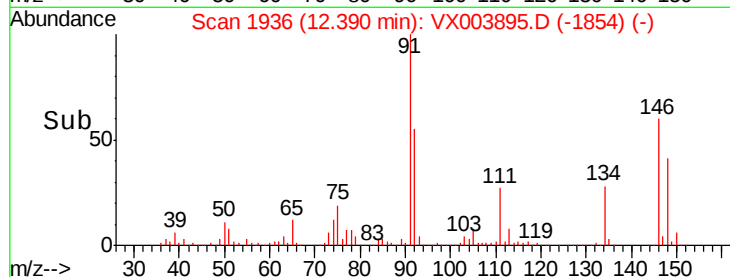
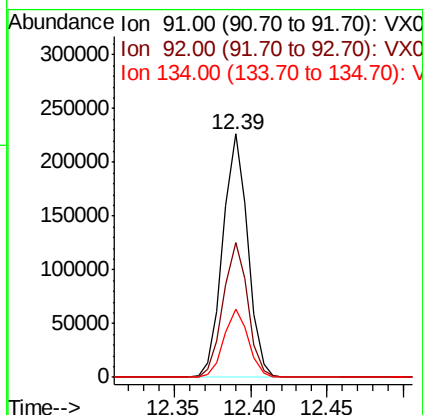
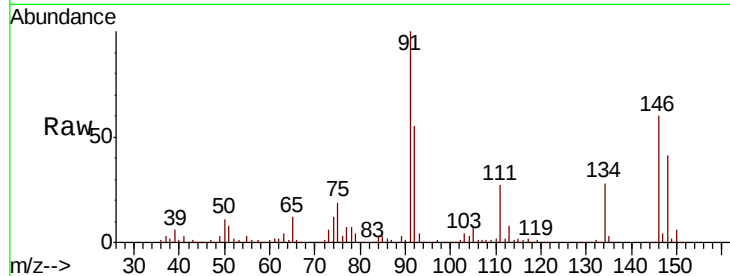




#85
n-Butylbenzene
Concen: 16.25 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003895.D
Acq: 07 Aug 2018 22:19

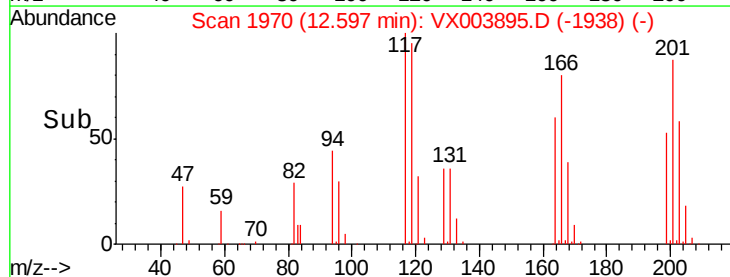
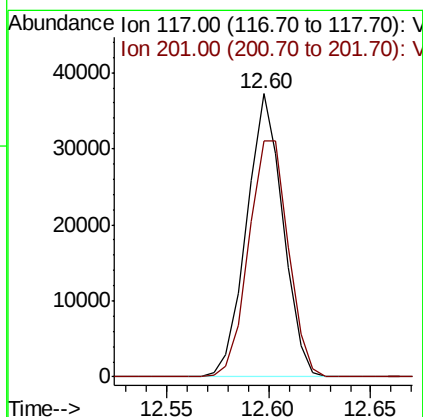
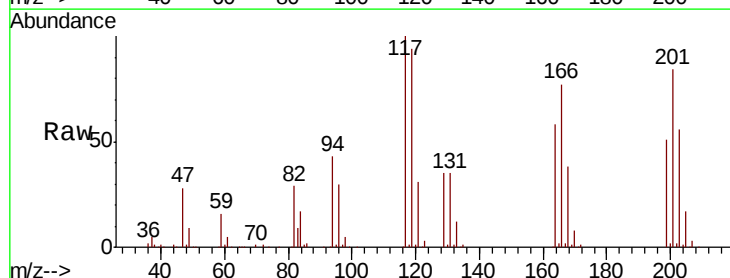
Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC020

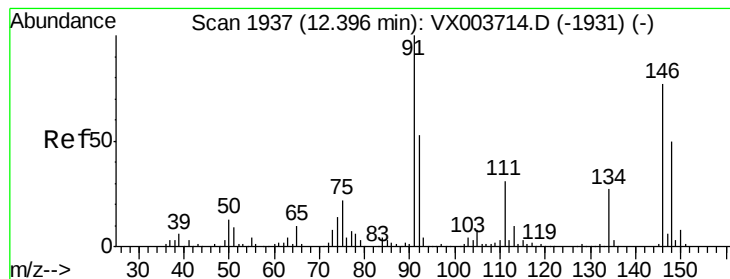
Tot Ion: 91 Resp: 254824
Ion Ratio Lower Upper
91 100
92 55.0 0.0 105.2
134 27.6 0.0 53.2



#86
Hexachloroethane
Concen: 16.22 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.01 min
Lab File: VX003895.D
Acq: 07 Aug 2018 22:19

Tgt Ion: 117 Resp: 46195
Ion Ratio Lower Upper
117 100
201 90.9 47.6 142.8





#87

1,2-Dichlorobenzene

Concen: 17.67 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX003895.D

Acq: 07 Aug 2018 22:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

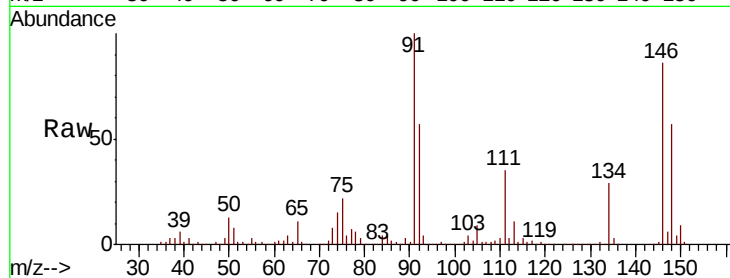
Tot Ion:146 Resp: 176668

Ion Ratio Lower Upper

146 100

111 41.5 20.0 59.9

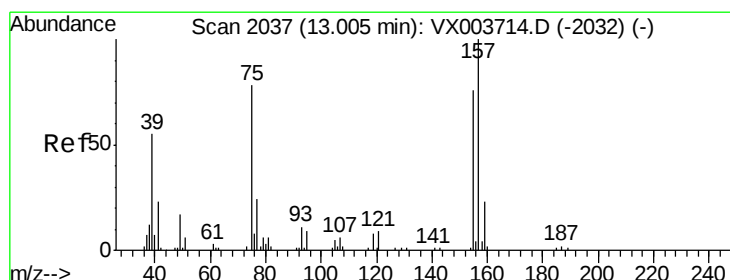
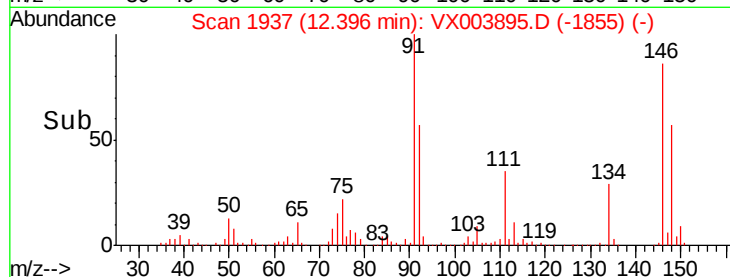
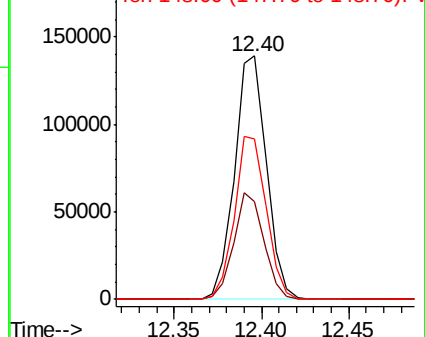
148 66.6 32.8 98.3



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: 15.78 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. -0.01 min

Lab File: VX003895.D

Acq: 07 Aug 2018 22:19

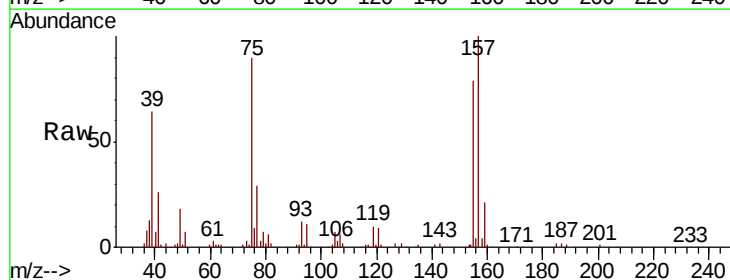
Tgt Ion: 75 Resp: 24065

Ion Ratio Lower Upper

75 100

155 97.1 73.1 109.7

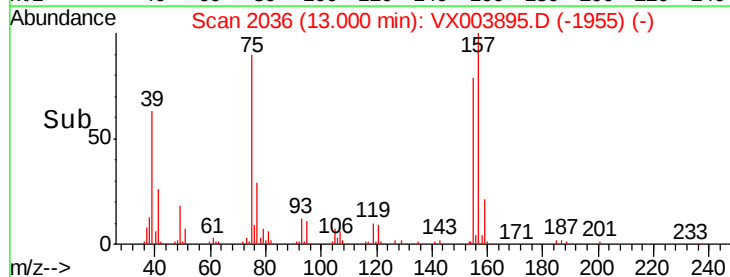
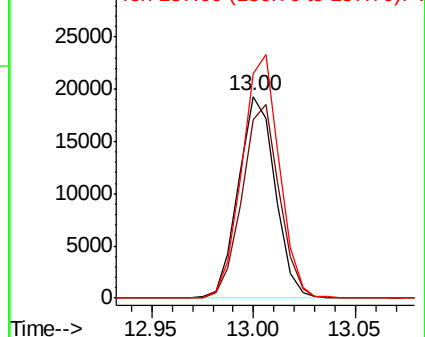
157 122.6 93.1 139.7

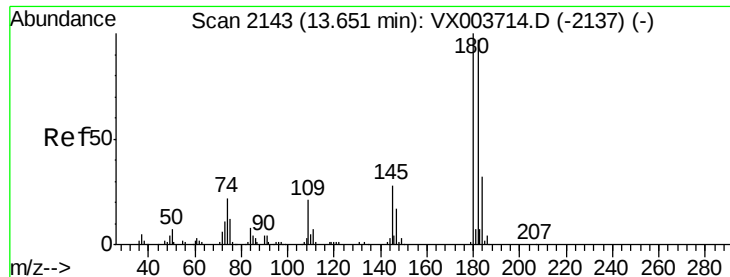


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

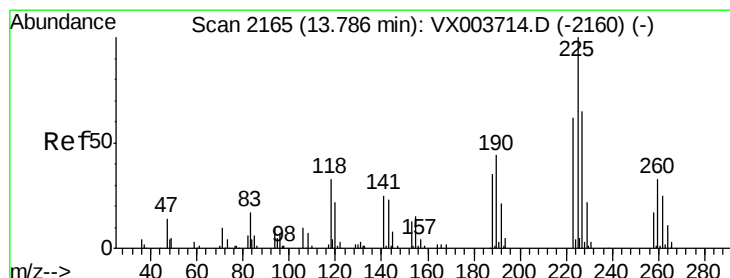
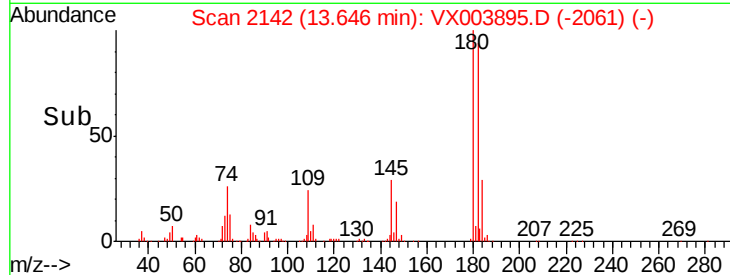
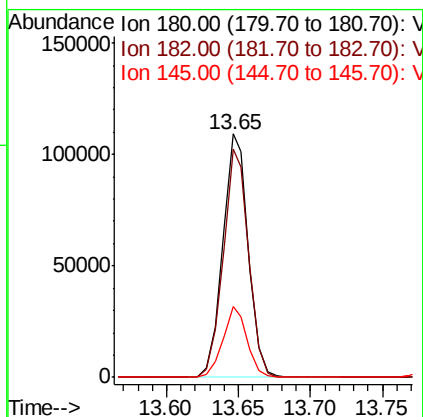
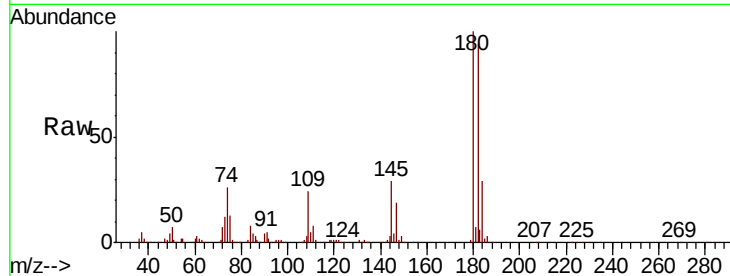




#89
 1,2,4-Trichlorobenzene
 Concen: 19.30 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.01 min
 Lab File: VX003895.D
 Acq: 07 Aug 2018 22:19

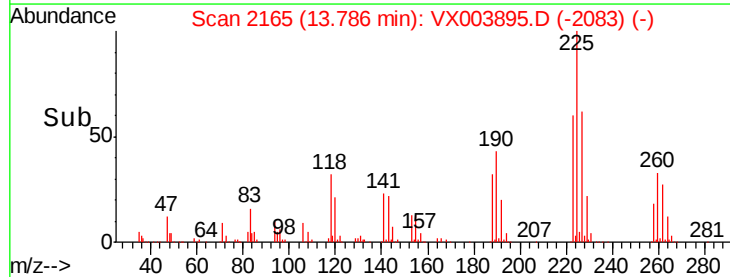
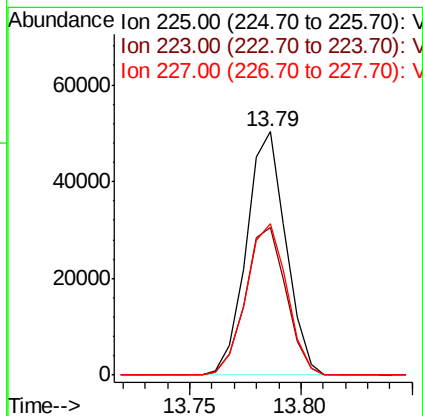
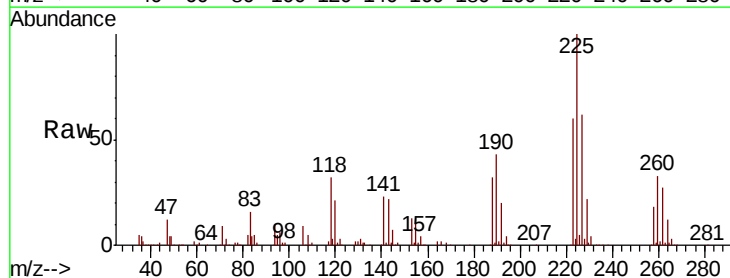
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

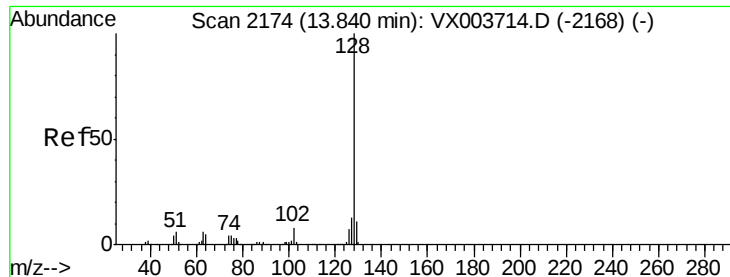
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	76.4	114.6
145	27.7	22.9	34.3



#90
 Hexachlorobutadiene
 Concen: 19.57 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003895.D
 Acq: 07 Aug 2018 22:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	0.0	122.4
227	63.9	0.0	128.0





#91

Naphthalene

Concen: 19.85 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VX003895.D

Acq: 07 Aug 2018 22:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

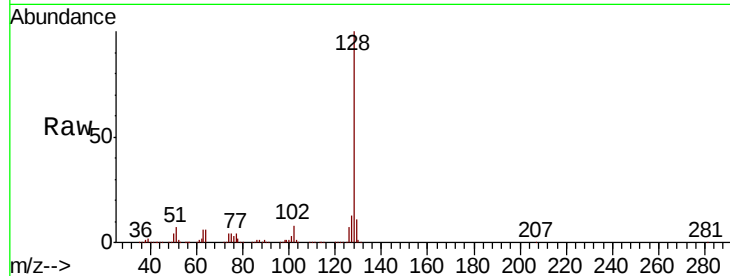
Tot Ion:128 Resp: 425958

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

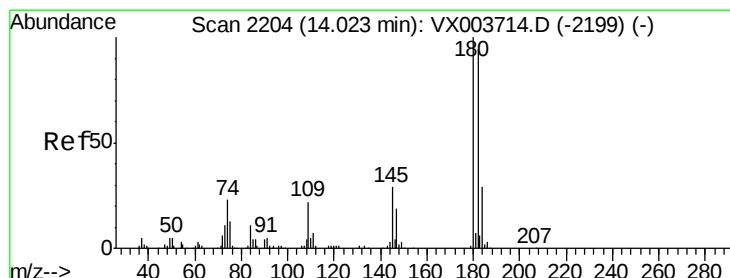
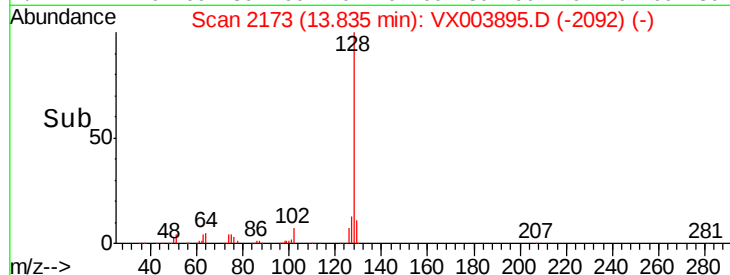
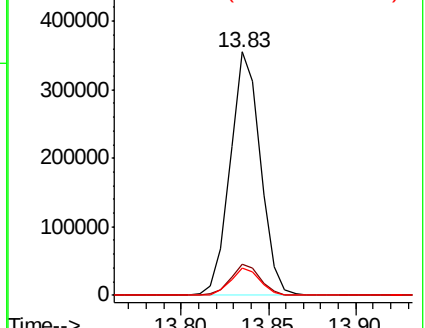
129 10.9 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 20.24 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003895.D

Acq: 07 Aug 2018 22:19

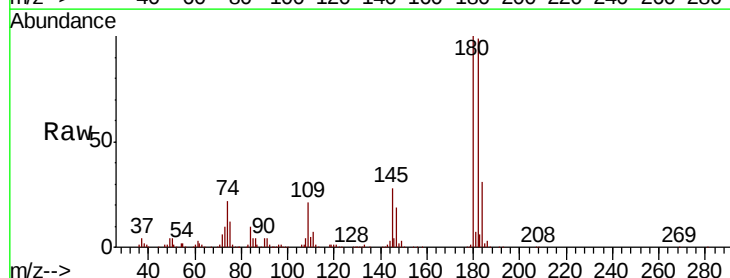
Tgt Ion:180 Resp: 144696

Ion Ratio Lower Upper

180 100

182 96.0 0.0 191.0

145 30.0 0.0 60.6



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

