

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062818\
 Data File : VX002978.D
 Acq On : 28 Jun 2018 11:06
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Quant Time: Jun 29 05:32:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X061818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 18 15:18:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	48279	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	263202	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	246130	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	110605	30.00	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.00%
60) 4-Bromofluorobenzene	11.14	95	124652	30.66	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.20%
63) Toluene-d8	8.72	98	320232	29.78	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.27%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	47913	20.79	ug/l	99
3) Chloromethane	1.32	50	48409	19.35	ug/l	99
4) Vinyl Chloride	1.40	62	53928	19.35	ug/l #	59
5) Bromomethane	1.64	94	17542	10.77	ug/l	98
6) Chloroethane	1.72	64	40930	21.83	ug/l	97
7) Trichlorofluoromethane	1.93	101	96769	19.53	ug/l	100
8) Diethyl Ether	2.19	74	35423	20.05	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	57229	20.18	ug/l	100
10) 1,1-Dichloroethene	2.37	96	48885	19.59	ug/l	95
11) Methyl Iodide	2.51	142	30153	10.49	ug/l	99
12) Methyl Acetate	2.78	43	87275	21.55	ug/l	100
13) Acrolein	2.29	56	15047	52.25	ug/l	98
14) Acrylonitrile	3.15	53	149788	98.32	ug/l	99
15) Acetone	2.45	58	48973	115.66	ug/l	94
16) Carbon Disulfide	2.57	76	132196	21.15	ug/l	99
17) Allyl chloride	2.73	41	99291	19.99	ug/l	98
18) Methylene Chloride	2.86	84	55074	19.28	ug/l	94
19) trans-1,2-Dichloroethene	3.17	96	51889	19.39	ug/l	99
20) Diisopropyl ether	3.87	45	190368	20.57	ug/l	96
21) 1,1-Dichloroethane	3.70	63	102855	20.67	ug/l	100
22) cis-1,2-Dichloroethene	4.60	96	60540	21.04	ug/l	83
23) tert-Butyl Alcohol	3.07	59	69507	100.49	ug/l	100
24) Methyl tert-Butyl Ether	3.21	73	179270	19.24	ug/l	98
25) Chloroform	5.21	83	105449	21.11	ug/l	100
26) Cyclohexane	5.57	56	85110	20.13	ug/l #	96
29) 1,1-Dichloropropene	5.80	75	74676	21.01	ug/l	98
30) 2-Butanone	4.71	43	228523	112.36	ug/l	98
31) 2,2-Dichloropropane	4.59	77	86451	22.76	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	94154	21.93	ug/l	98
33) Carbon Tetrachloride	5.79	117	83676	21.68	ug/l	99
34) Benzene	6.15	78	218931	20.80	ug/l	99
35) Methacrylonitrile	5.06	41	47309	21.36	ug/l	94
36) 1,2-Dichloroethane	6.20	62	87024	21.06	ug/l	98
37) Trichloroethene	7.21	130	65923	21.38	ug/l	86
38) Methylcyclohexane	7.46	83	87365	20.20	ug/l	99
39) 1,2-Dichloropropane	7.52	63	59031	21.50	ug/l	96
40) Dibromomethane	7.66	93	40865	21.42	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	77889	21.74	ug/l	98
42) Vinyl Acetate	3.82	43	802449	104.03	ug/l	100
43) Ethyl Acetate	4.86	43	83114	21.37	ug/l	99
44) Isopropyl Acetate	6.46	43	134257	20.60	ug/l	100
45) 1,4-Dioxane	7.76	88	26585	416.36	ug/l #	88
46) Methyl methacrylate	7.78	41	70277	21.10	ug/l	98
47) n-amyl Acetate	10.90	43	118560	19.28	ug/l #	90
48) t-1,3-Dichloropropene	8.44	75	86049	20.45	ug/l	99
49) cis-1,3-Dichloropropene	9.04	75	80187	20.41	ug/l	98
50) 1,1,2-Trichloroethane	9.22	97	58867	20.92	ug/l	96
51) Ethyl methacrylate	9.18	69	86094	20.27	ug/l	94
52) 1,3-Dichloropropane	9.37	76	97288	21.17	ug/l	99
53) Dibromochloromethane	9.59	129	62621	20.96	ug/l	99
54) 1,2-Dibromoethane	9.68	107	62415	21.05	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	64915	32.18	ug/l	99
56) Bromoform	10.86	173	49127	20.60	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	440115	105.32	ug/l	97
59) 2-Hexanone	9.50	43	344078	107.71	ug/l	100
61) Tetrachloroethene	9.34	164	69579	20.60	ug/l	98
62) Toluene	8.79	91	248431	20.94	ug/l	98
64) Chlorobenzene	10.14	112	165098	20.94	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	62980	21.80	ug/l	99
66) Ethyl Benzene	10.26	91	277791	20.79	ug/l	99
67) m/p-Xylenes	10.36	106	216211	41.64	ug/l	99
68) o-Xylene	10.70	106	102571	20.28	ug/l	100
69) Styrene	10.71	104	173384	20.54	ug/l	98
70) Isopropylbenzene	11.02	105	291752	20.91	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	90258	21.64	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	96474	26.69	ug/l	94
73) Bromobenzene	11.26	156	79290	20.44	ug/l	94
74) n-propylbenzene	11.36	91	333596	20.60	ug/l	99
75) 2-Chlorotoluene	11.42	91	197636	20.97	ug/l	98
76) 1,3,5-Trimethylbenzene	11.51	105	245340	20.71	ug/l	100
77) t-1,4-Dichloro-2-butene	11.08	75	19987	17.19	ug/l	85
78) 4-Chlorotoluene	11.51	91	231673	20.75	ug/l	99
79) tert-butylbenzene	12.07	119	263624	20.18	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	251033	20.76	ug/l	99
81) sec-Butylbenzene	11.95	105	295317	20.38	ug/l	99
82) p-Isopropyltoluene	12.07	119	263624	20.18	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	146091	20.46	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	149004	20.67	ug/l	99
85) n-Butylbenzene	12.39	91	229157	19.79	ug/l	98
86) Hexachloroethane	12.60	117	35154	17.75	ug/l	99
87) 1,2-Dichlorobenzene	12.40	146	148223	20.56	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.01	75	19609	21.05	ug/l	99
89) 1,2,4-Trichlorobenzene	13.65	180	109019	20.03	ug/l	98
90) Hexachlorobutadiene	13.79	225	56928	20.10	ug/l	99
91) Naphthalene	13.84	128	296429	20.55	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	111398	20.58	ug/l	99

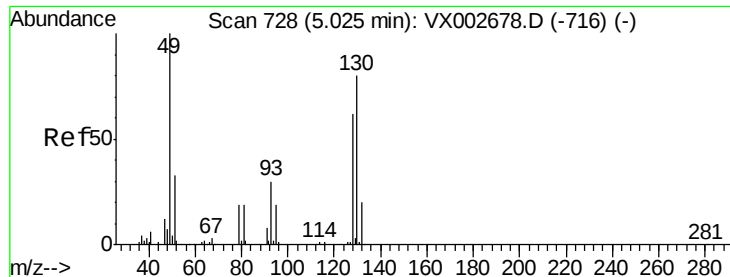
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062818\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.02 min Scan# 728

Delta R.T. -0.00 min

Lab File: VX002978.D

Acq: 28 Jun 2018 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

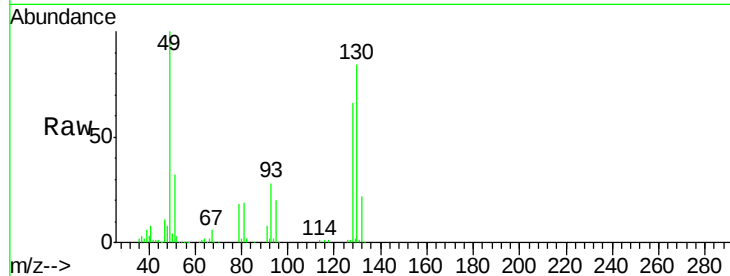
Tot Ion:128 Resp: 48279

Ion Ratio Lower Upper

128 100

49 157.1 0.0 423.0

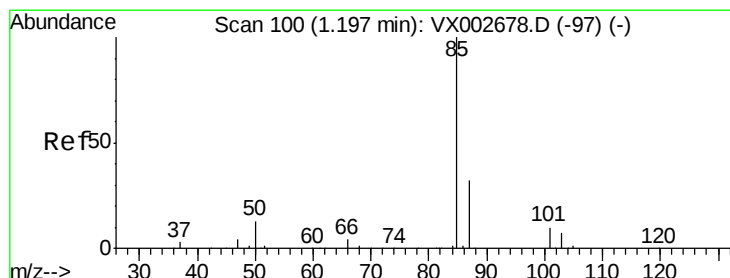
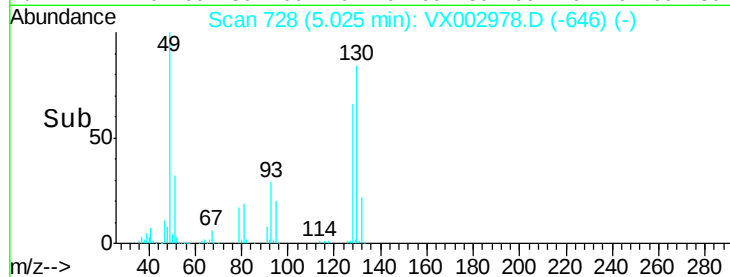
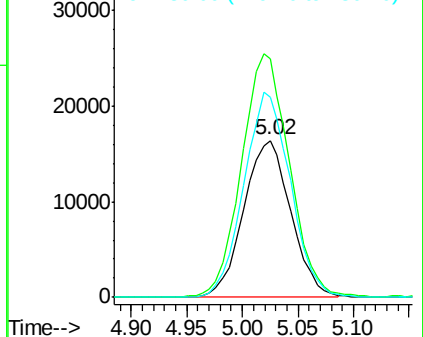
130 129.3 0.0 324.3



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: 20.79 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002978.D

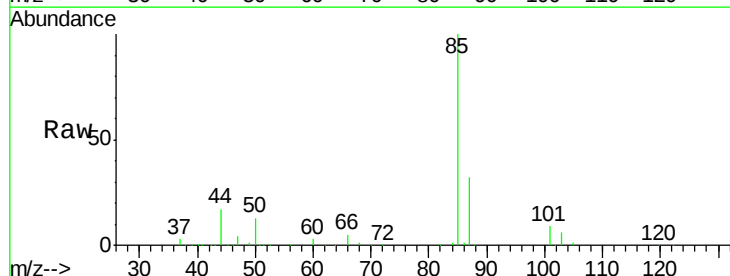
Acq: 28 Jun 2018 11:06

Tgt Ion: 85 Resp: 47913

Ion Ratio Lower Upper

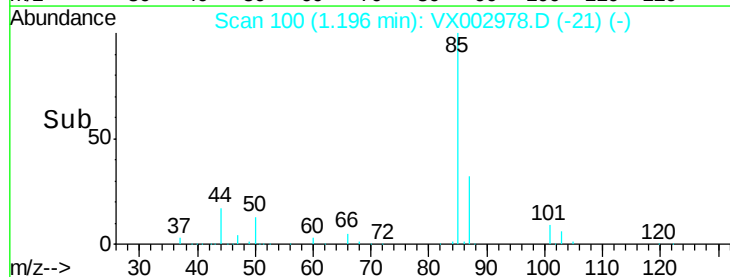
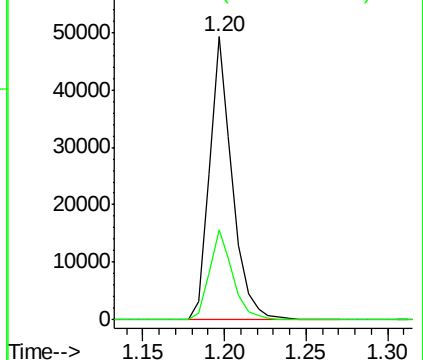
85 100

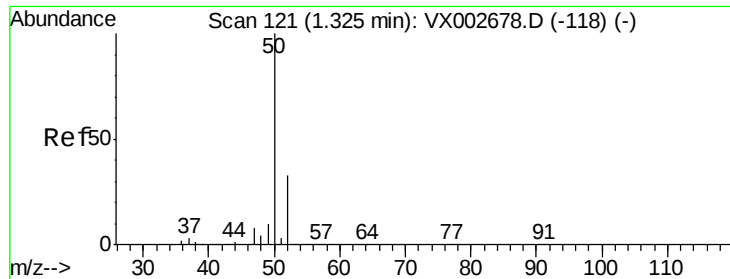
87 32.0 16.2 48.5



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 19.35 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002978.D

Acq: 28 Jun 2018 11:06

Instrument :

MSVOA_X

ClientSampled :

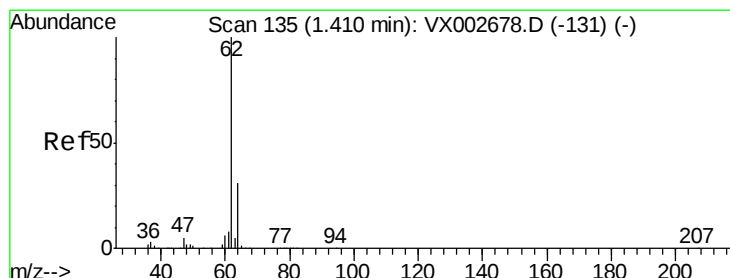
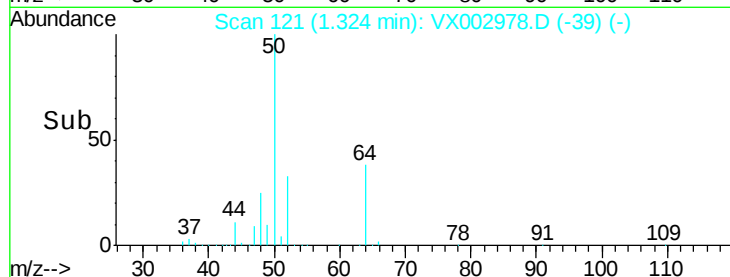
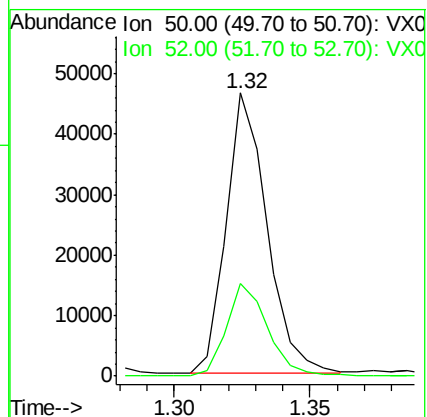
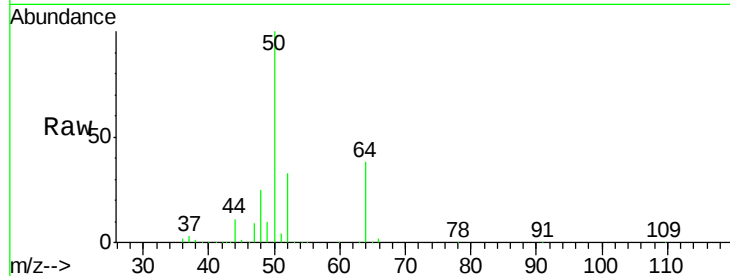
VSTDCCC020

Tot Ion: 50 Resp: 48409

Ion Ratio Lower Upper

50 100

52 32.7 25.6 38.4



#4

Vinyl Chloride

Concen: 19.35 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX002978.D

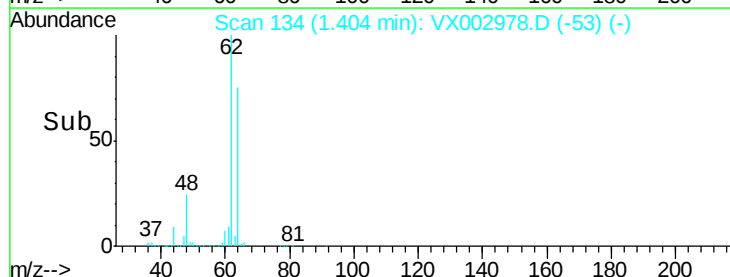
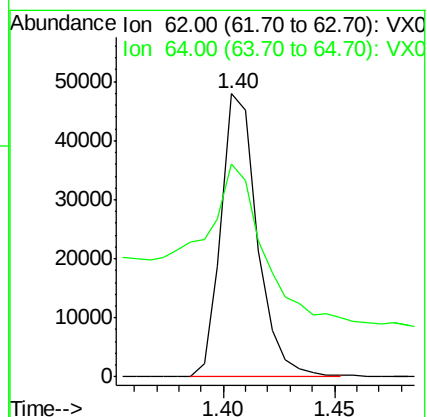
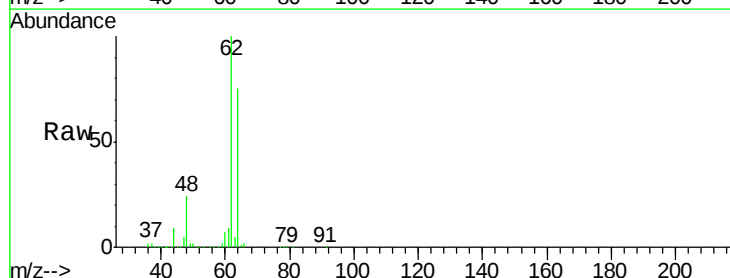
Acq: 28 Jun 2018 11:06

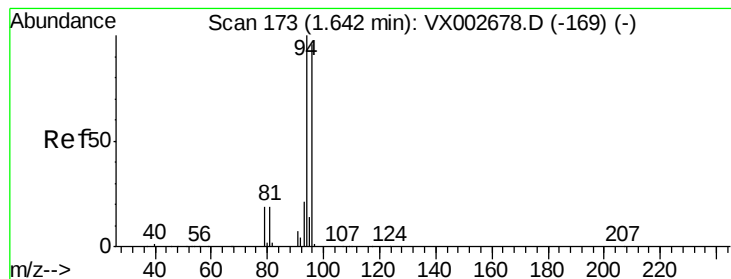
Tgt Ion: 62 Resp: 53928

Ion Ratio Lower Upper

62 100

64 54.4 25.3 37.9#





#5

Bromomethane

Concen: 10.77 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.00 min

Lab File: VX002978.D

Acq: 28 Jun 2018 11:06

Instrument :

MSVOA_X

ClientSampleId :

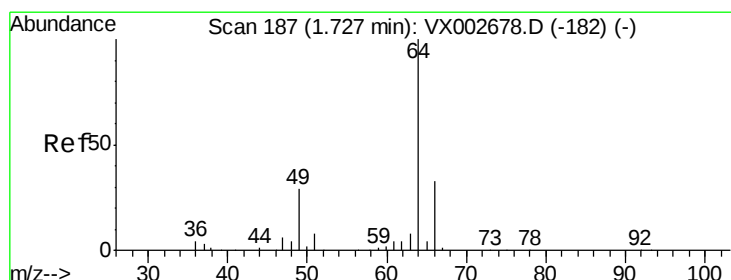
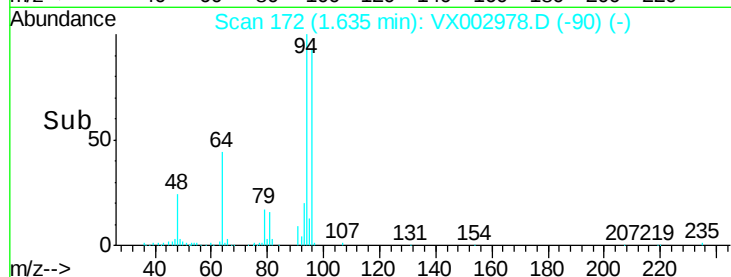
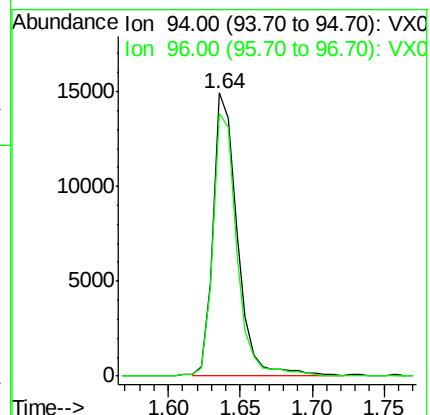
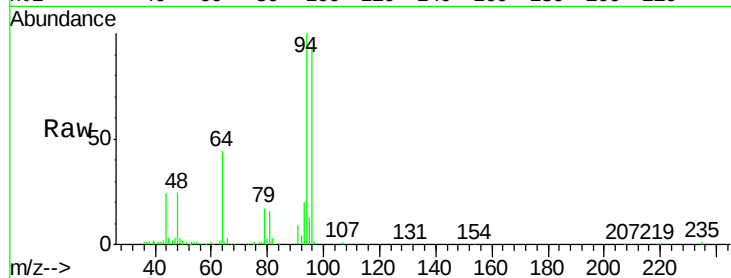
VSTDCCC020

Tot Ion: 94 Resp: 17542

Ion Ratio Lower Upper

94 100

96 93.0 75.7 113.5



#6

Chloroethane

Concen: 21.83 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX002978.D

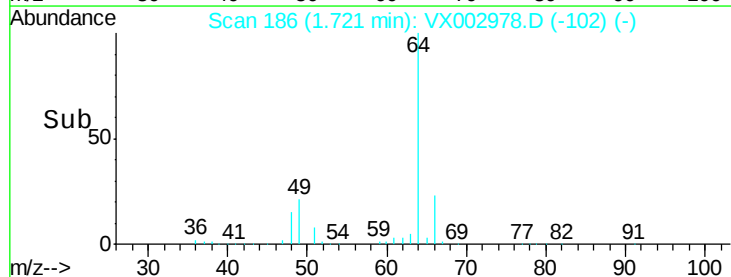
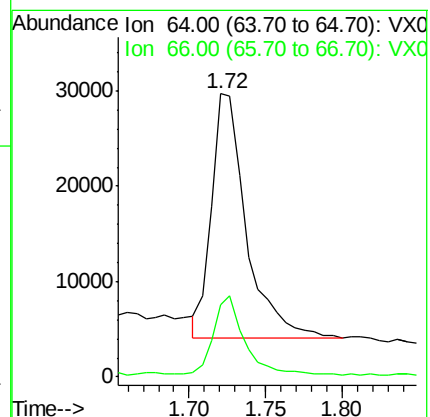
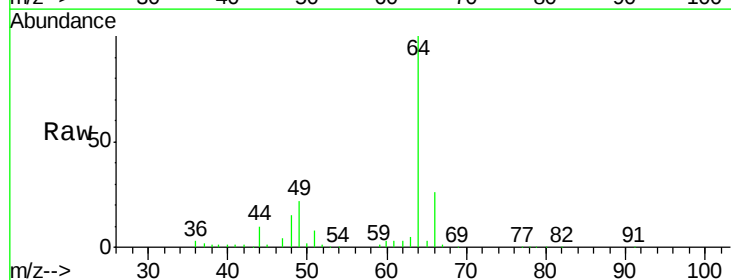
Acq: 28 Jun 2018 11:06

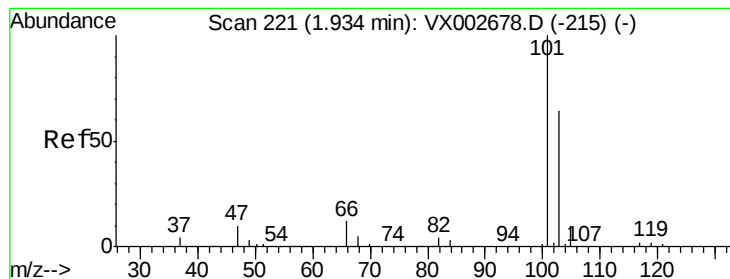
Tgt Ion: 64 Resp: 40930

Ion Ratio Lower Upper

64 100

66 29.0 24.3 36.5





#7

Trichlorofluoromethane

Concen: 19.53 ug/l

RT: 1.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX002978.D

Acq: 28 Jun 2018 11:06

Instrument :

MSVOA_X

ClientSampleId :

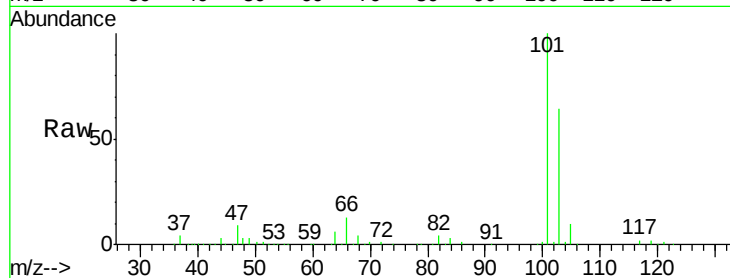
VSTDCCC020

Tot Ion:101 Resp: 96769

Ion Ratio Lower Upper

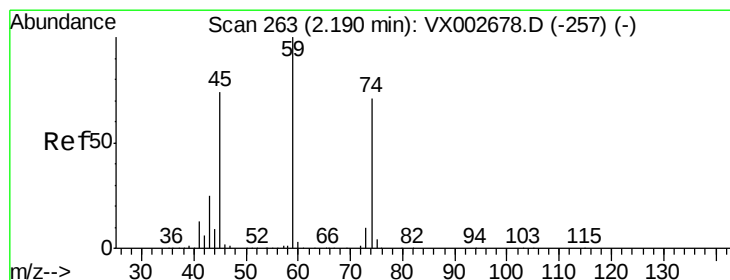
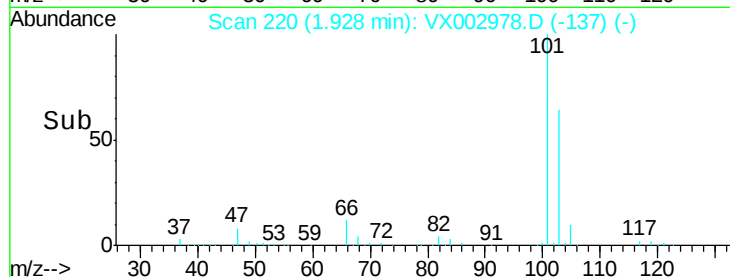
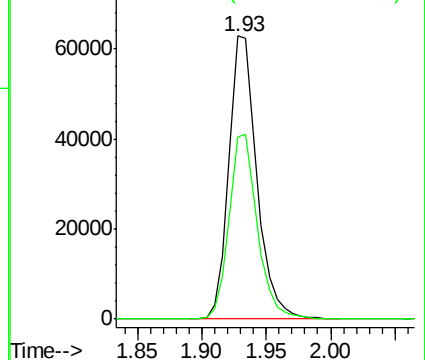
101 100

103 64.2 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 20.05 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX002978.D

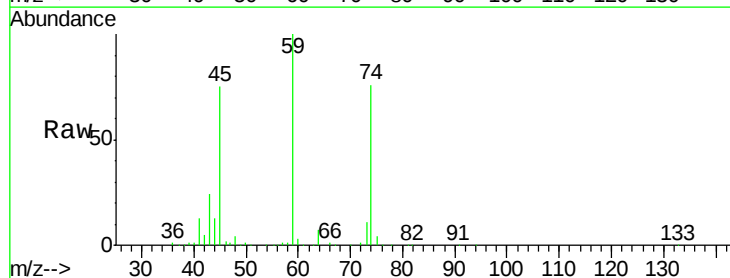
Acq: 28 Jun 2018 11:06

Tgt Ion: 74 Resp: 35423

Ion Ratio Lower Upper

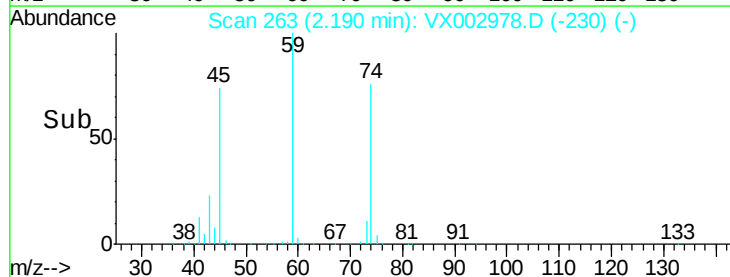
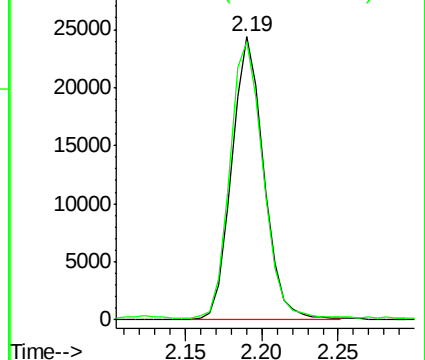
74 100

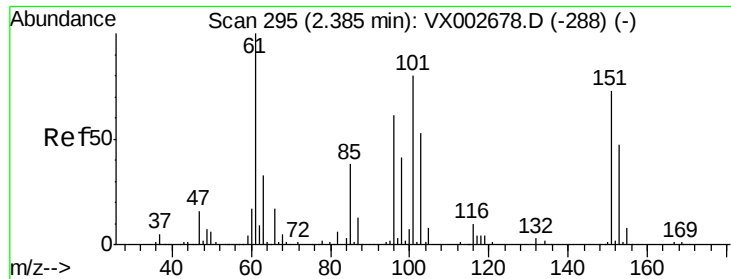
45 100.9 20.5 184.5



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.18 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX002978.D

Acq: 28 Jun 2018 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

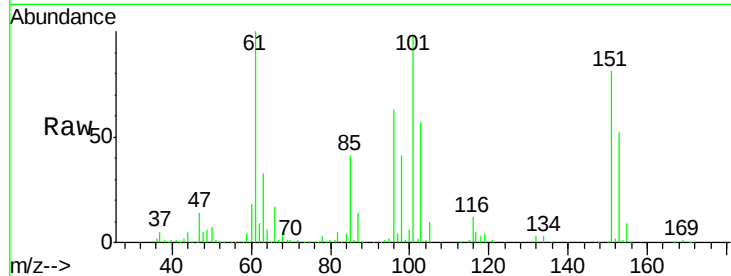
Tot Ion:101 Resp: 57229

Ion Ratio Lower Upper

101 100

85 44.0 0.0 87.0

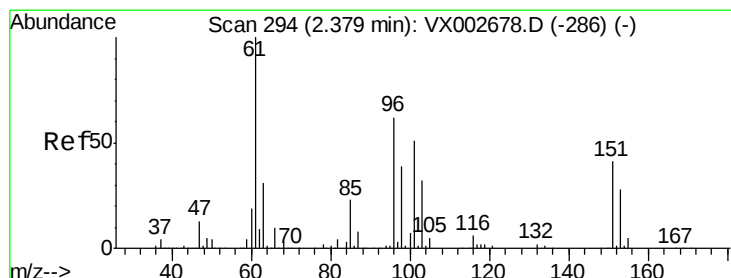
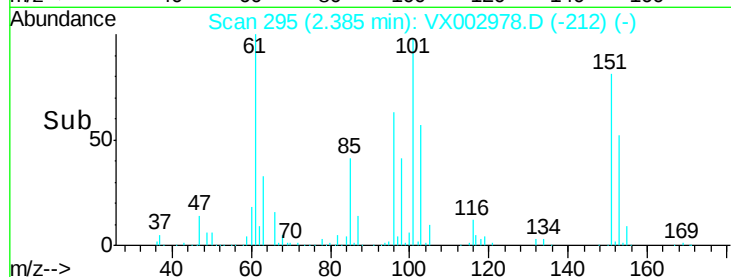
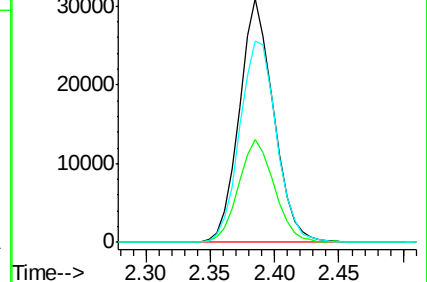
151 88.6 0.0 177.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.59 ug/l

RT: 2.37 min Scan# 293

Delta R.T. 0.01 min

Lab File: VX002978.D

Acq: 28 Jun 2018 11:06

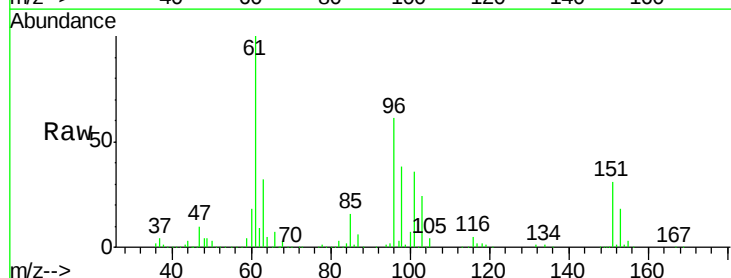
Tgt Ion: 96 Resp: 48885

Ion Ratio Lower Upper

96 100

61 164.1 137.5 206.3

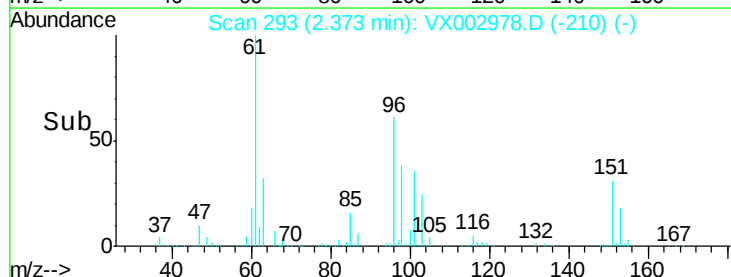
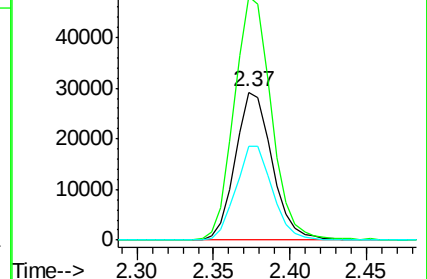
98 63.0 51.4 77.2

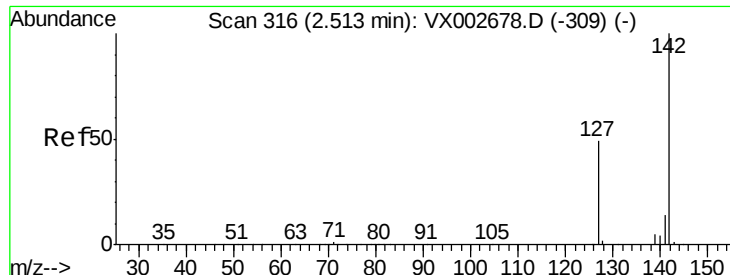


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

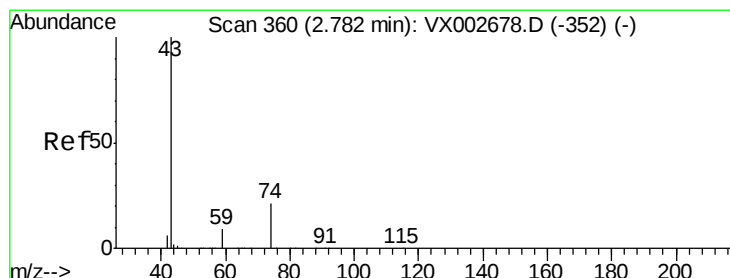
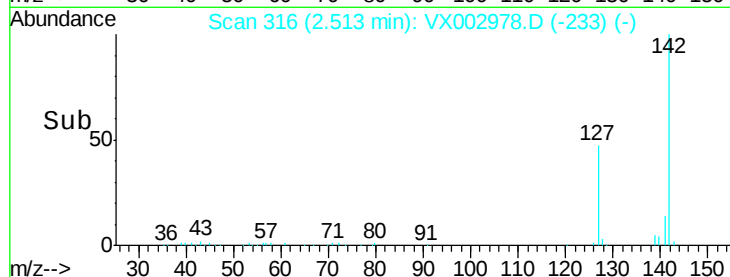
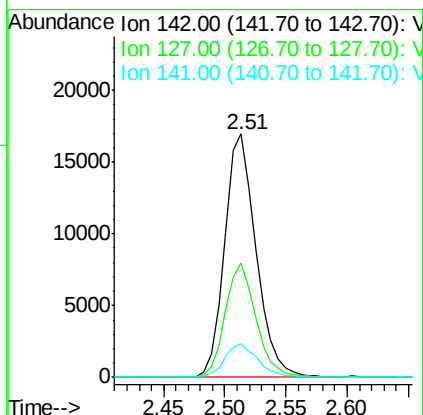
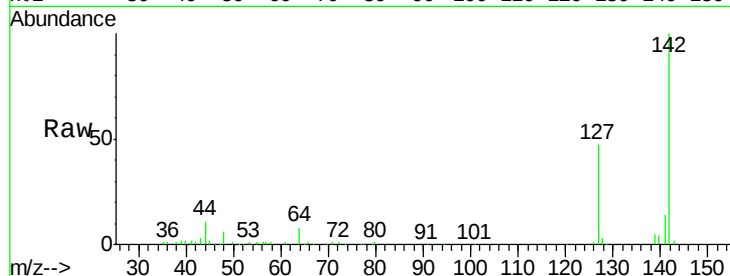




#11
Methyl Iodide
Concen: 10.49 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX002978.D
Acq: 28 Jun 2018 11:06

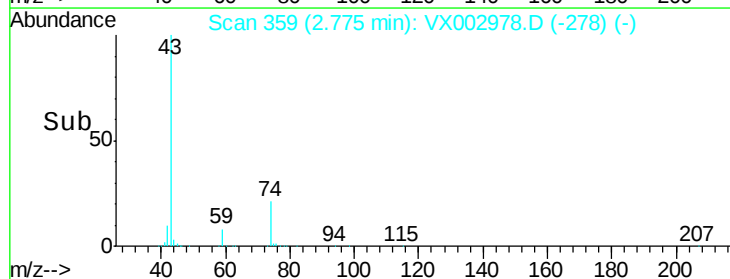
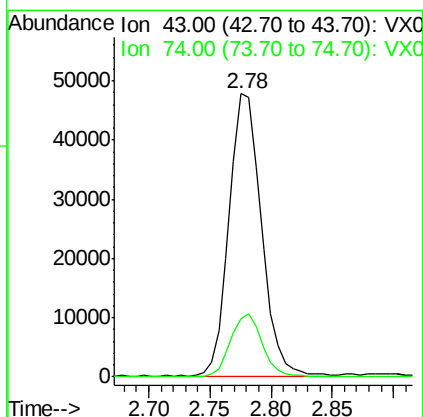
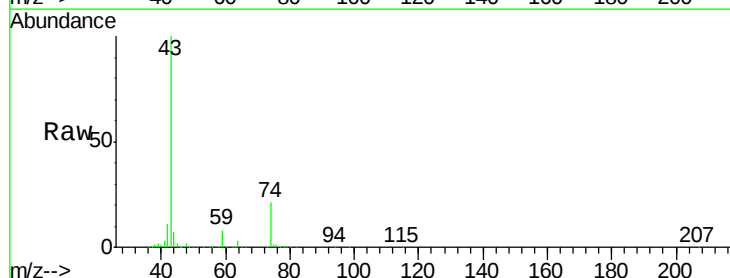
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

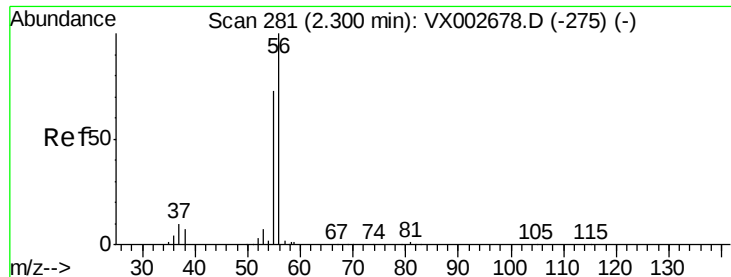
Tot Ion:142 Resp: 30153
Ion Ratio Lower Upper
142 100
127 47.0 23.2 69.6
141 13.9 7.4 22.2



#12
Methyl Acetate
Concen: 21.55 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX002978.D
Acq: 28 Jun 2018 11:06

Tgt Ion: 43 Resp: 87275
Ion Ratio Lower Upper
43 100
74 20.5 16.4 24.6





#13

Acrolein

Concen: 52.25 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX002978.D

Acq: 28 Jun 2018 11:06

Instrument :

MSVOA_X

ClientSampled :

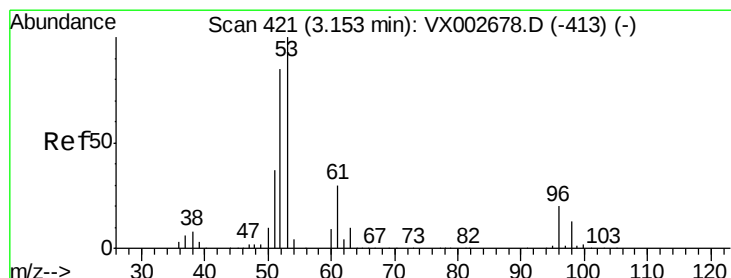
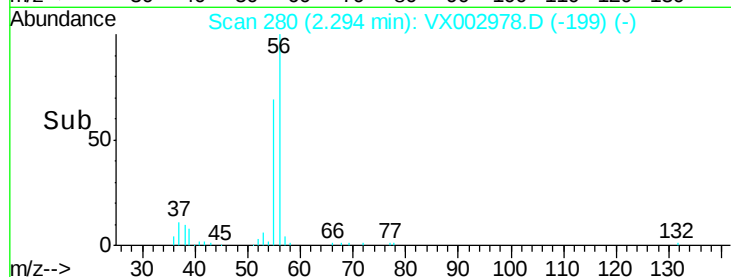
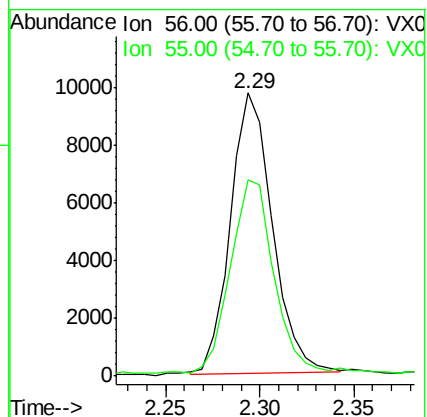
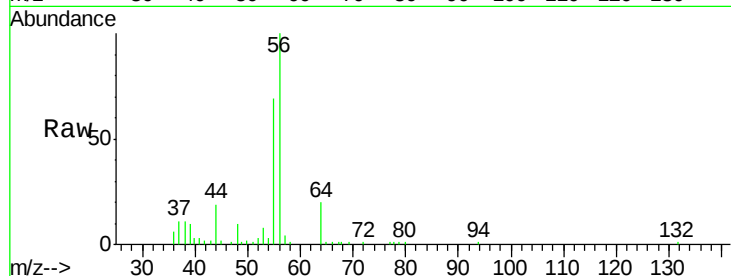
VSTDCCC020

Tot Ion: 56 Resp: 15047

Ion Ratio Lower Upper

56 100

55 70.3 57.3 85.9



#14

Acrylonitrile

Concen: 98.32 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX002978.D

Acq: 28 Jun 2018 11:06

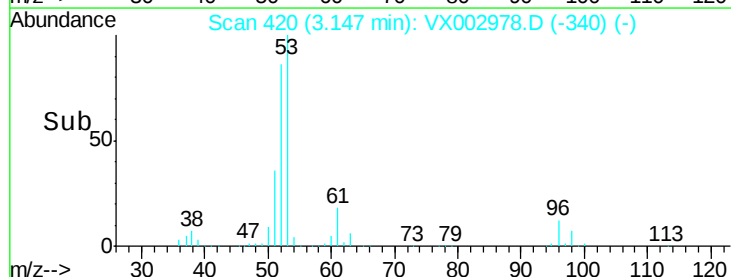
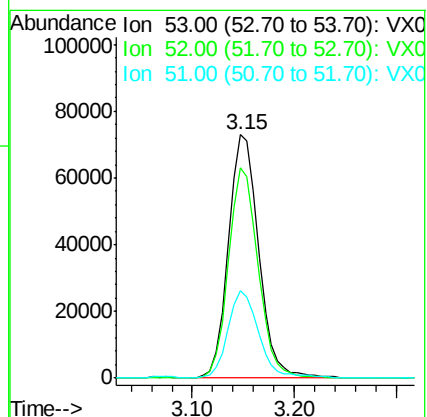
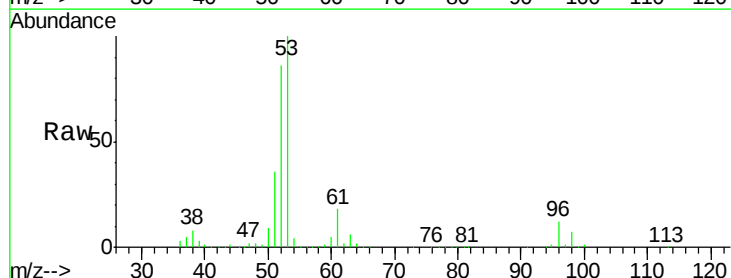
Tgt Ion: 53 Resp: 149788

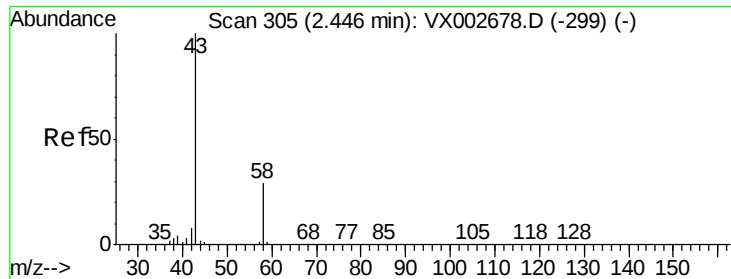
Ion Ratio Lower Upper

53 100

52 84.1 41.5 124.6

51 36.6 17.9 53.8





#15

Acetone

Concen: 115.66 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002978.D

Acq: 28 Jun 2018 11:06

Instrument :

MSVOA_X

ClientSampleId :

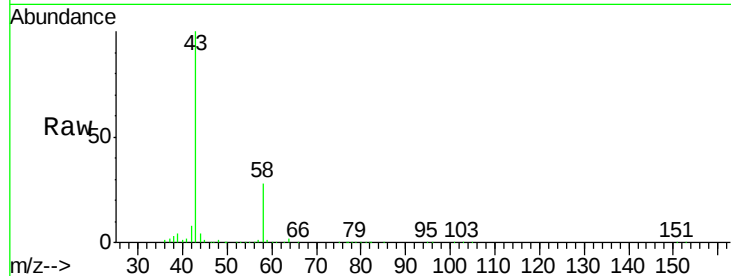
VSTDCCC020

Tot Ion: 58 Resp: 48973

Ion Ratio Lower Upper

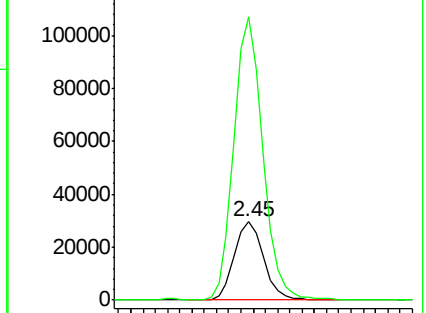
58 100

43 361.1 278.8 418.2

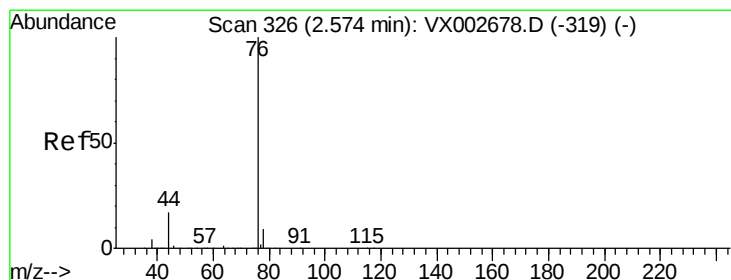
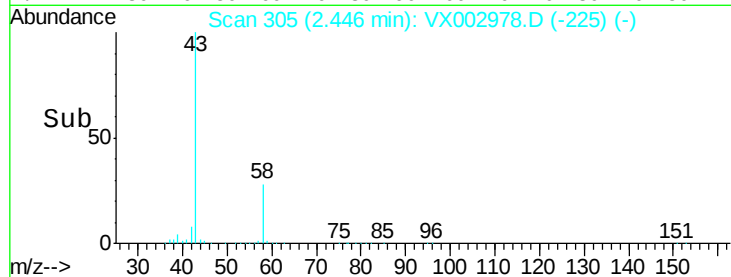


Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



Time-->



#16

Carbon Disulfide

Concen: 21.15 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX002978.D

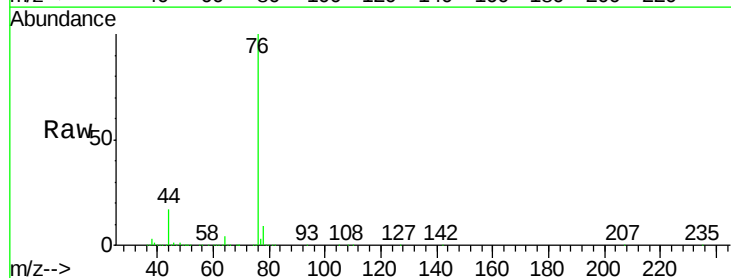
Acq: 28 Jun 2018 11:06

Tgt Ion: 76 Resp: 132196

Ion Ratio Lower Upper

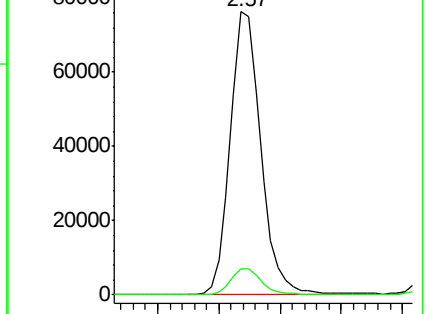
76 100

78 8.9 7.4 11.0

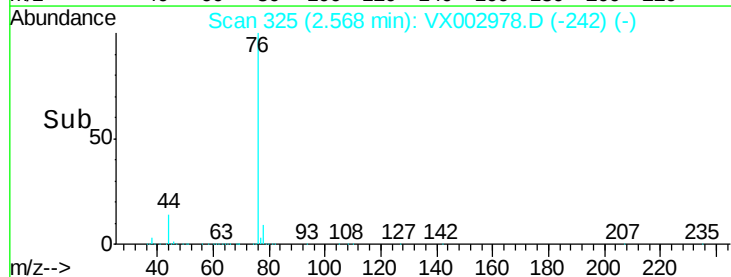


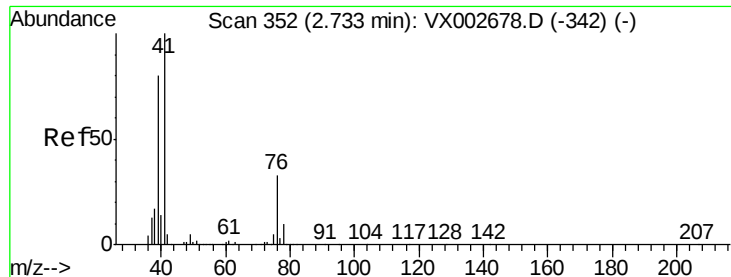
Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0



Time-->

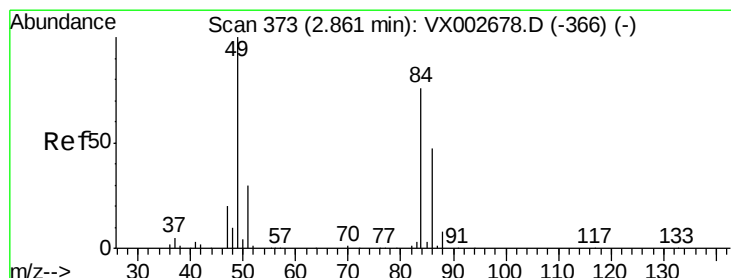
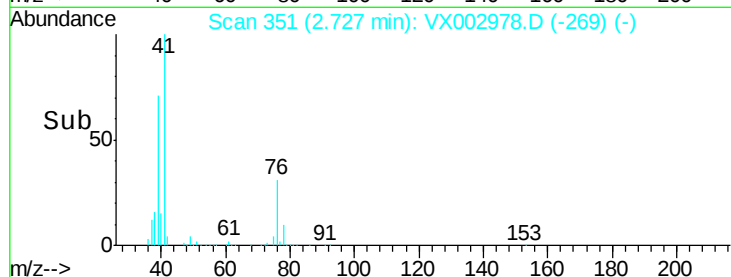
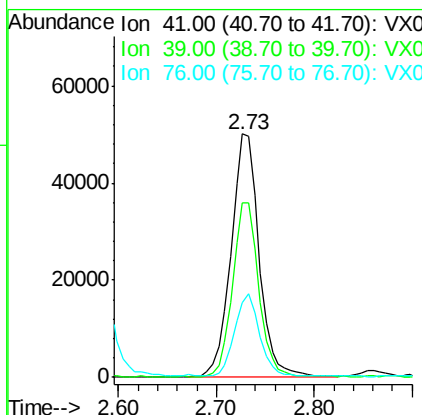
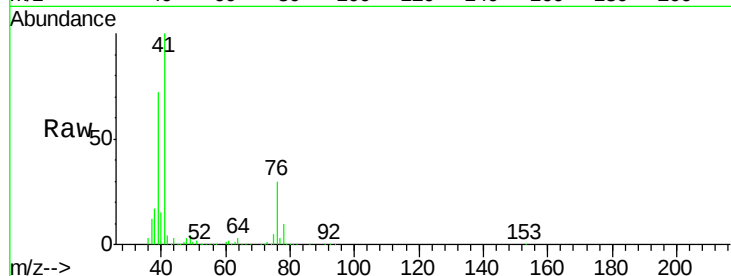




#17
Allvl chloride
Concen: 19.99 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX002978.D
Acq: 28 Jun 2018 11:06

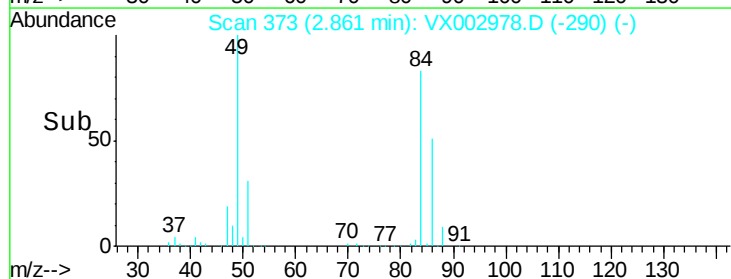
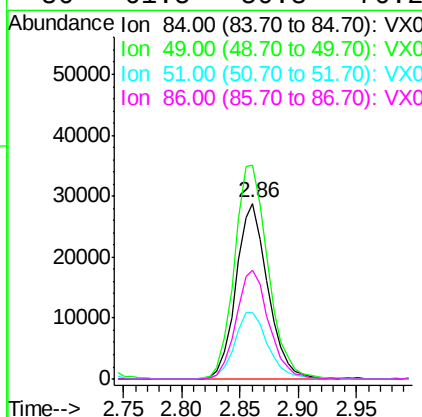
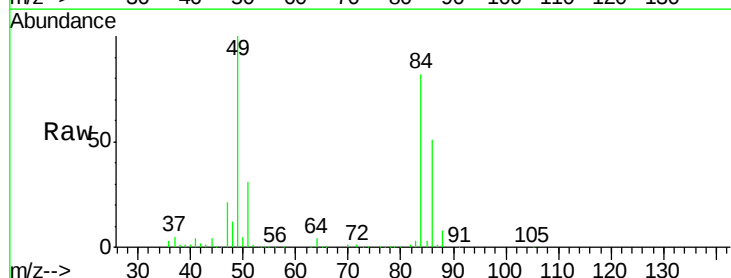
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

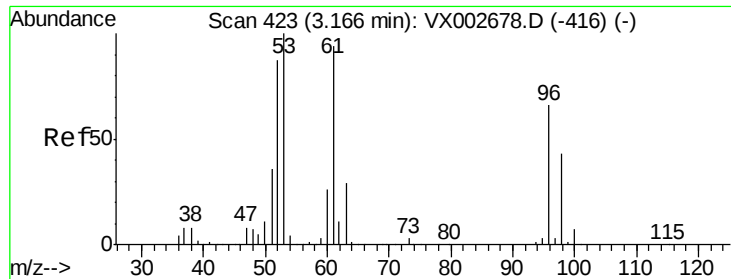
Tot Ion: 41 Resp: 99291
Ion Ratio Lower Upper
41 100
39 71.7 34.6 103.8
76 30.0 15.0 45.1



#18
Methylene Chloride
Concen: 19.28 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002978.D
Acq: 28 Jun 2018 11:06

Tgt Ion: 84 Resp: 55074
Ion Ratio Lower Upper
84 100
49 121.1 104.7 157.1
51 37.8 31.0 46.4
86 61.5 50.8 76.2





#19

trans-1,2-Dichloroethene

Concen: 19.39 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX002978.D

Acq: 28 Jun 2018 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

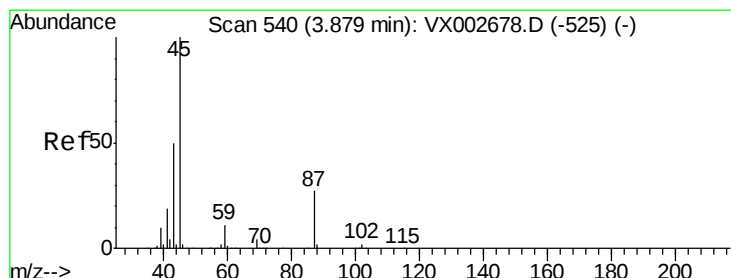
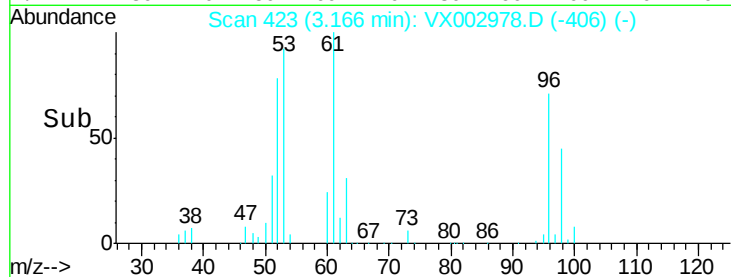
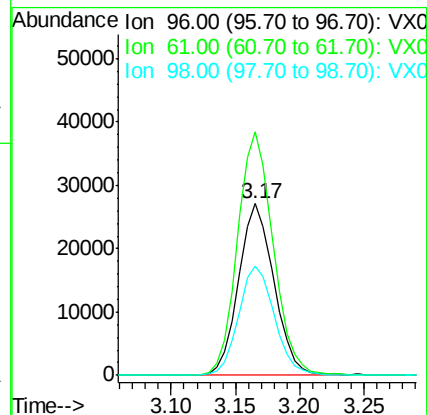
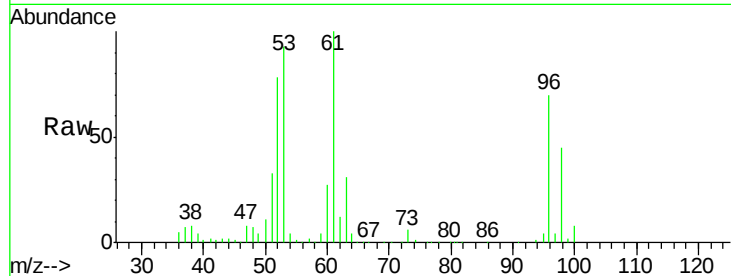
Tot Ion: 96 Resp: 51889

Ion Ratio Lower Upper

96 100

61 142.1 114.6 172.0

98 63.9 51.3 76.9



#20

Diisopropyl ether

Concen: 20.57 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX002978.D

Acq: 28 Jun 2018 11:06

Tgt Ion: 45 Resp: 190368

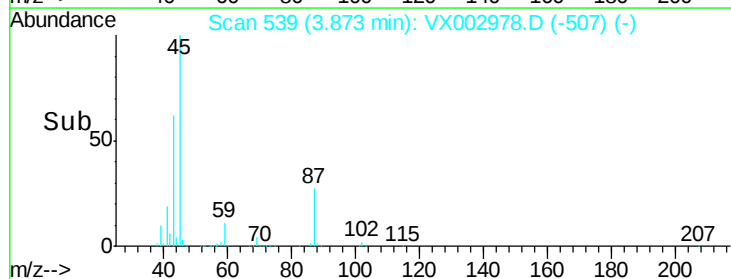
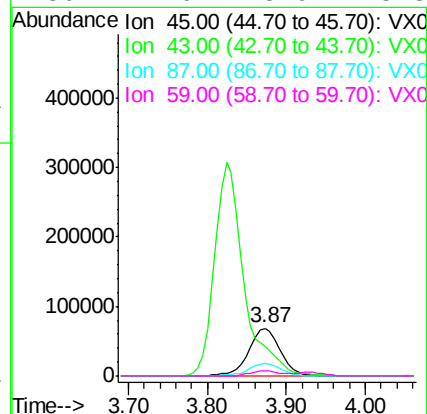
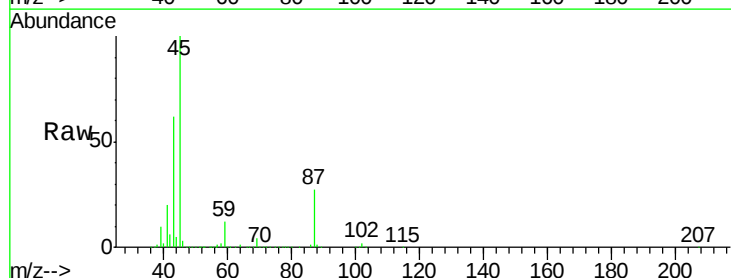
Ion Ratio Lower Upper

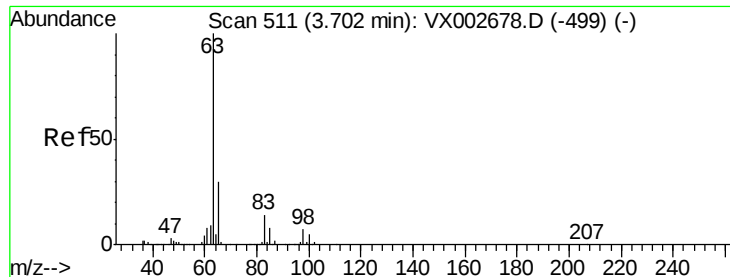
45 100

43 60.9 45.6 68.4

87 27.1 20.7 31.1

59 11.6 8.9 13.3





#21

1,1-Dichloroethane

Concen: 20.67 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX002978.D

Acq: 28 Jun 2018 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

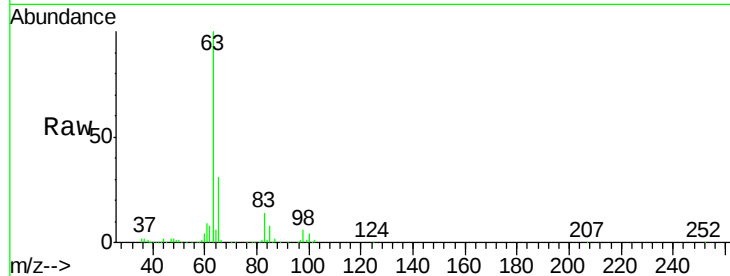
Tot Ion: 63 Resp: 102855

Ion Ratio Lower Upper

63 100

98 6.3 3.1 9.3

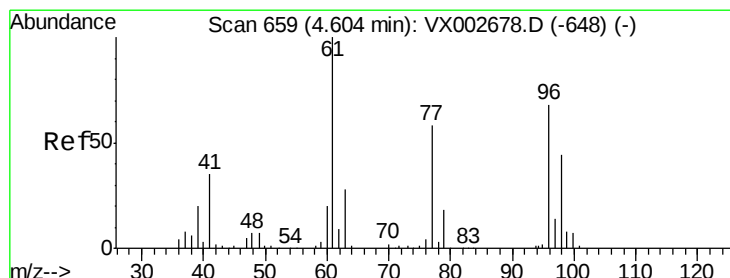
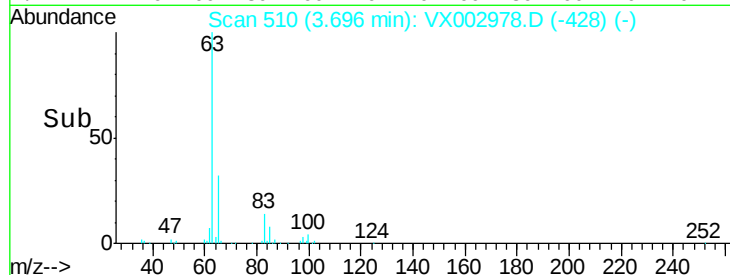
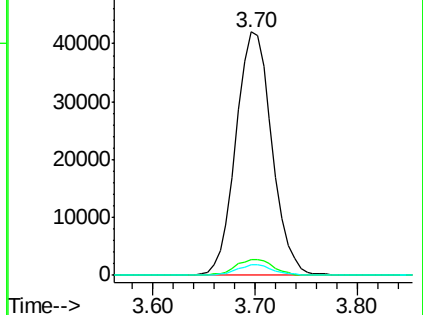
100 4.5 2.2 6.6



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: 21.04 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.01 min

Lab File: VX002978.D

Acq: 28 Jun 2018 11:06

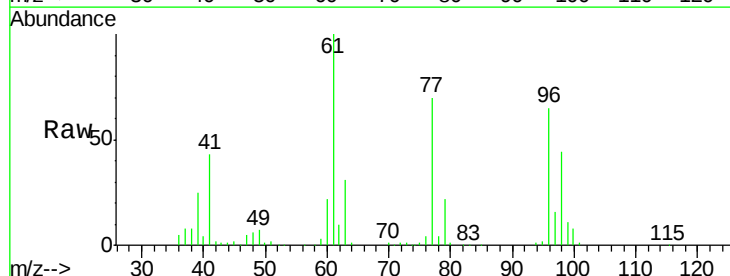
Tgt Ion: 96 Resp: 60540

Ion Ratio Lower Upper

96 100

61 166.3 160.2 240.2

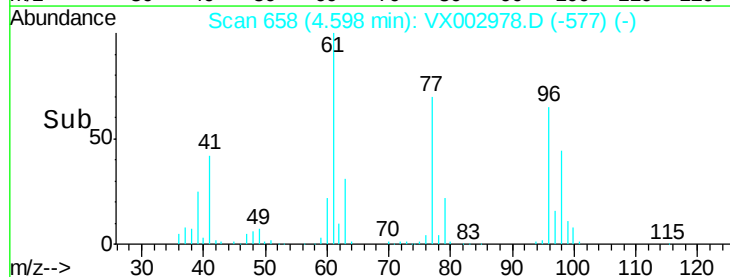
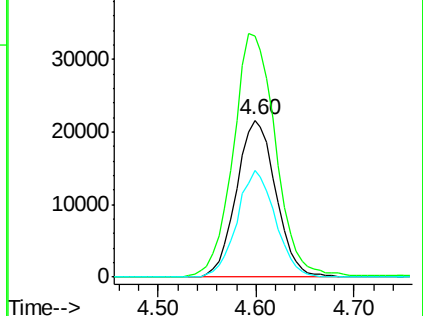
98 66.3 54.1 81.1

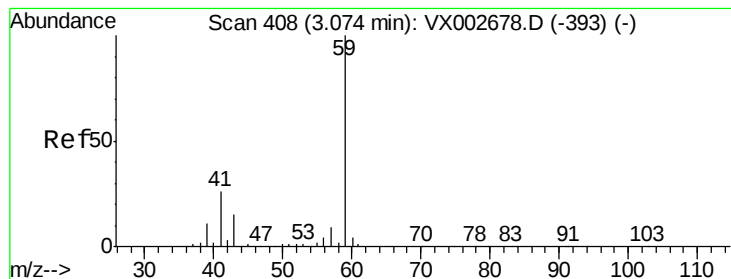


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#23

tert-Butyl Alcohol

Concen: 100.49 ug/l

RT: 3.07 min Scan# 407

Delta R.T. -0.03 min

Lab File: VX002978.D

Acq: 28 Jun 2018 11:06

Instrument :

MSVOA_X

ClientSampleId :

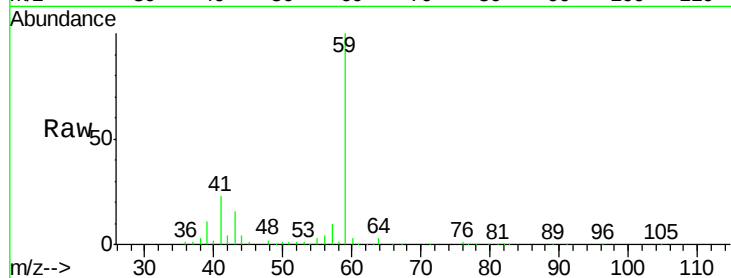
VSTDCCC020

Tot Ion: 59 Resp: 69507

Ion Ratio Lower Upper

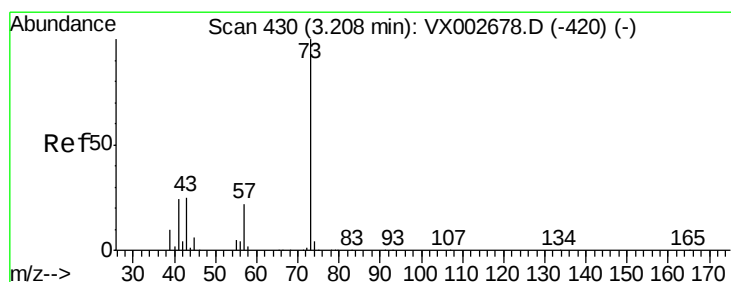
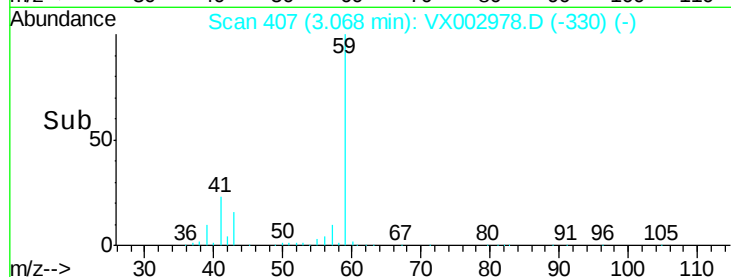
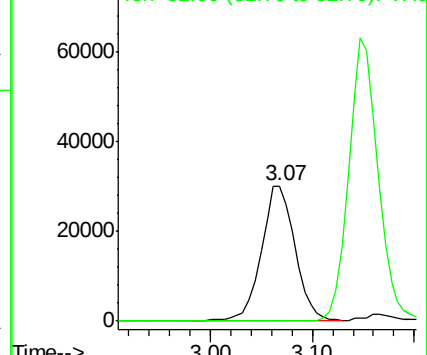
59 100

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: 19.24 ug/l

RT: 3.21 min Scan# 430

Delta R.T. -0.01 min

Lab File: VX002978.D

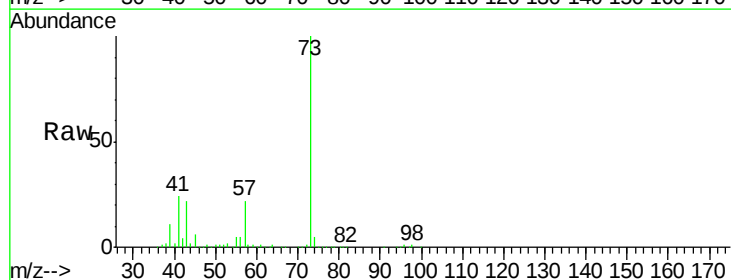
Acq: 28 Jun 2018 11:06

Tgt Ion: 73 Resp: 179270

Ion Ratio Lower Upper

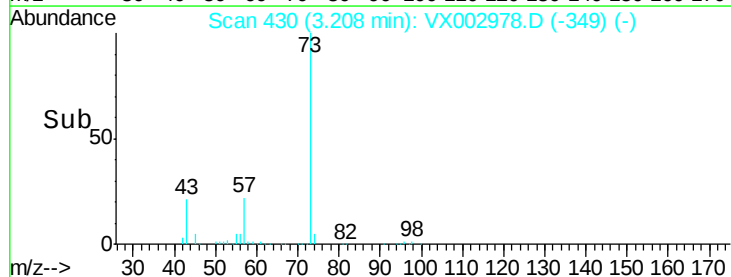
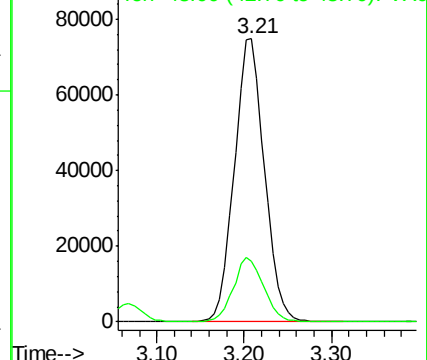
73 100

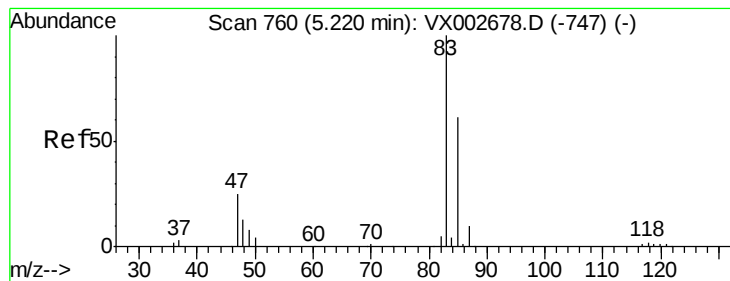
43 22.5 19.0 28.4



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 43.00 (42.70 to 43.70): VX0





#25

Chloroform

Concen: 21.11 ug/l

RT: 5.21 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX002978.D

Acq: 28 Jun 2018 11:06

Instrument :

MSVOA_X

ClientSampleId :

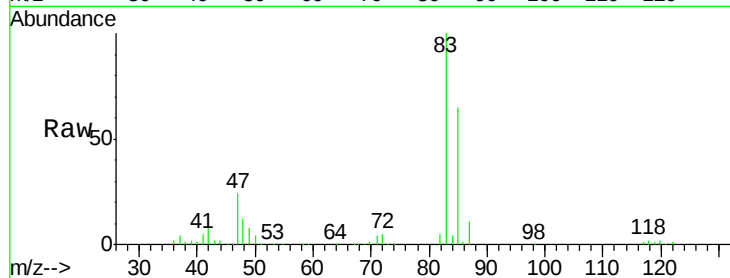
VSTDCCC020

Tot Ion: 83 Resp: 105449

Ion Ratio Lower Upper

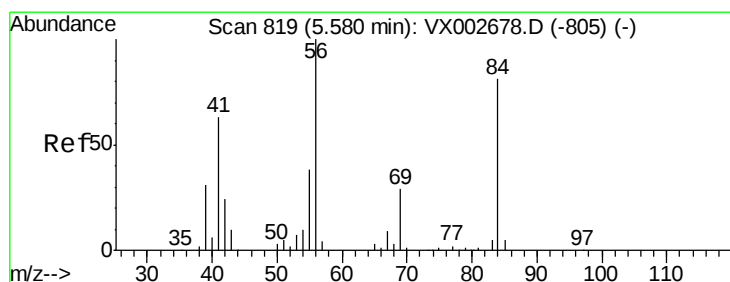
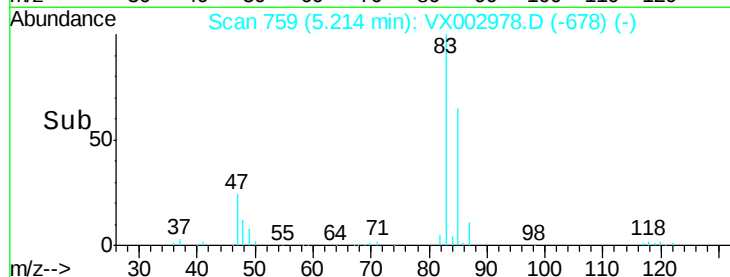
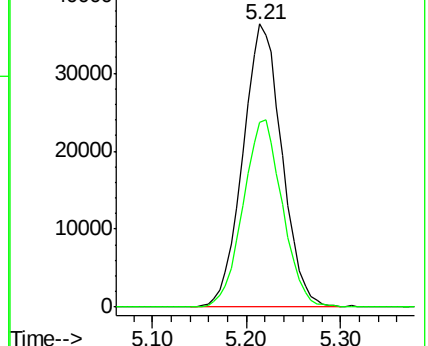
83 100

85 65.1 51.9 77.9



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 20.13 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX002978.D

Acq: 28 Jun 2018 11:06

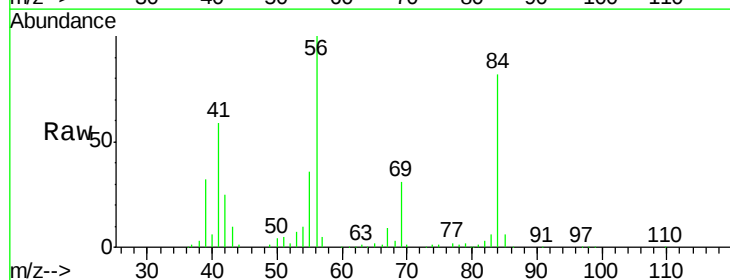
Tgt Ion: 56 Resp: 85110

Ion Ratio Lower Upper

56 100

89 0.0 0.1 0.1#

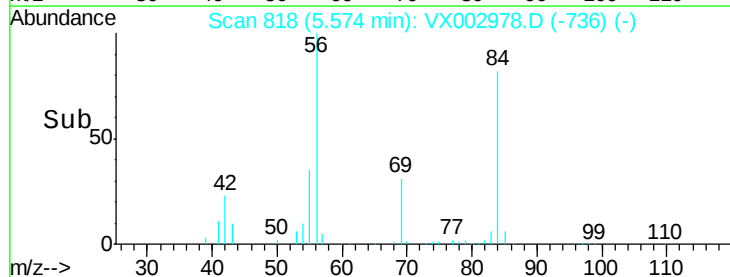
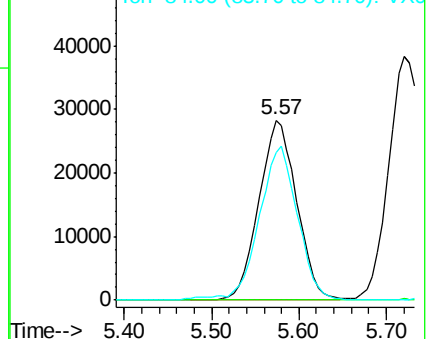
84 84.6 64.9 97.3

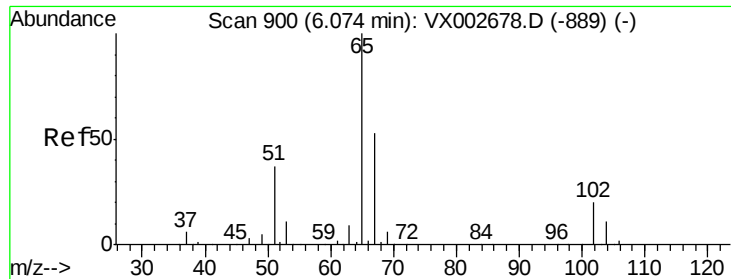


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 30.00 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002978.D

Acq: 28 Jun 2018 11:06

Instrument :

MSVOA_X

ClientSampleId :

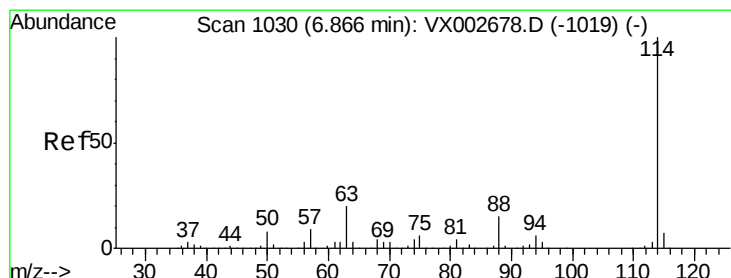
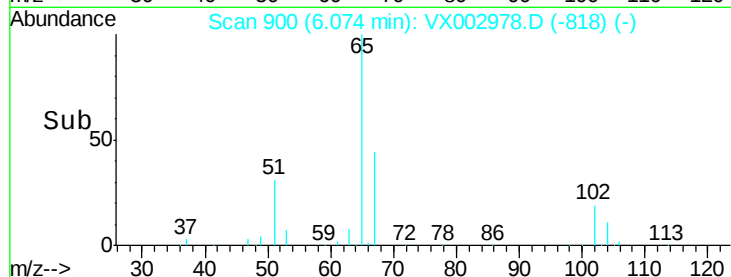
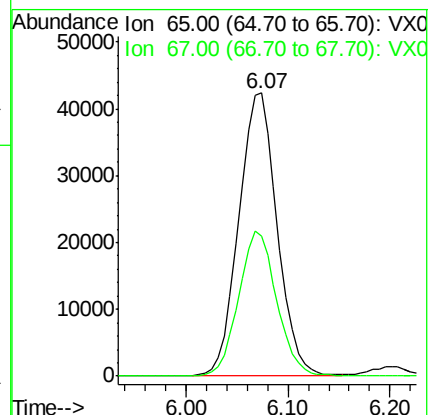
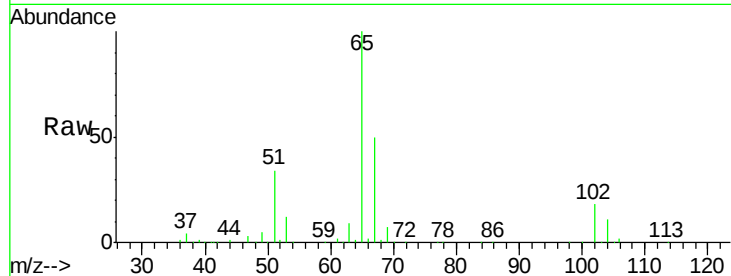
VSTDCCC020

Tot Ion: 65 Resp: 110605

Ion Ratio Lower Upper

65 100

67 50.5 40.9 61.3



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002978.D

Acq: 28 Jun 2018 11:06

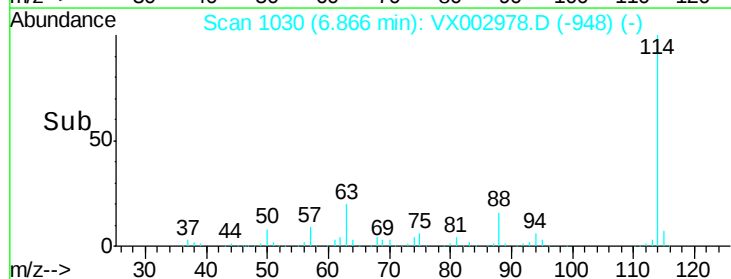
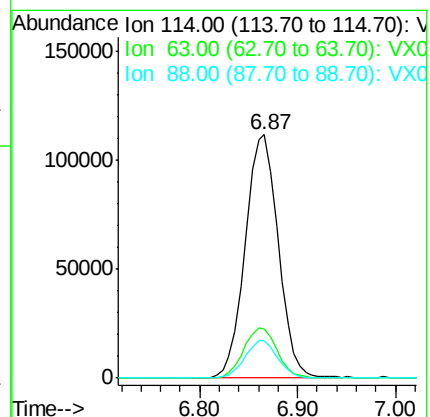
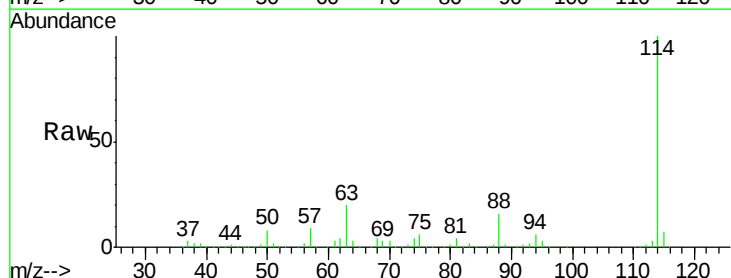
Tgt Ion: 114 Resp: 263202

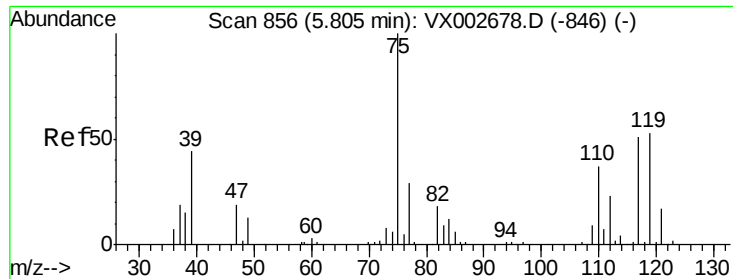
Ion Ratio Lower Upper

114 100

63 20.8 17.1 25.7

88 15.2 12.6 19.0

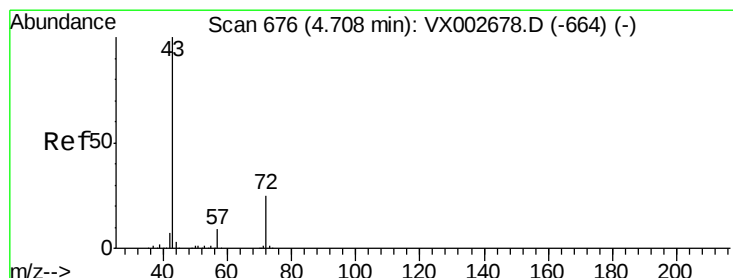
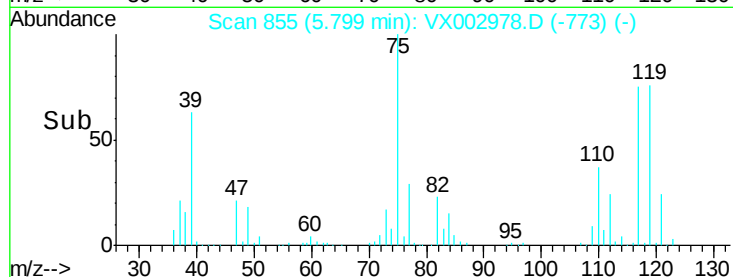
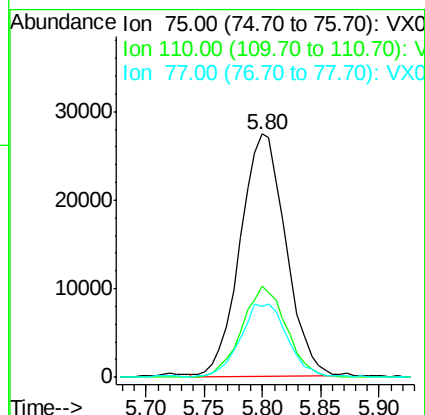
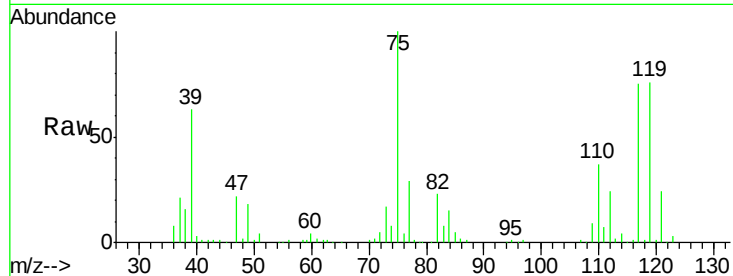




#29
 1,1-Dichloropropene
 Concen: 21.01 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX002978.D
 Acq: 28 Jun 2018 11:06

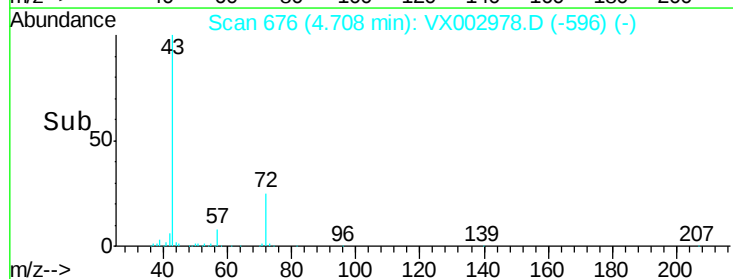
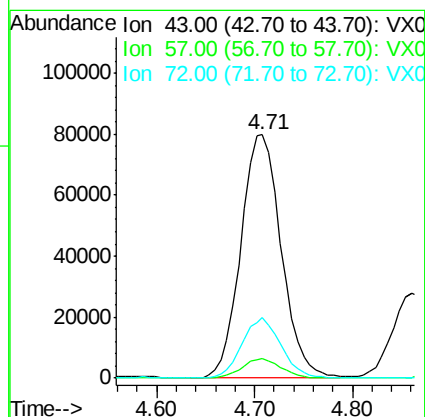
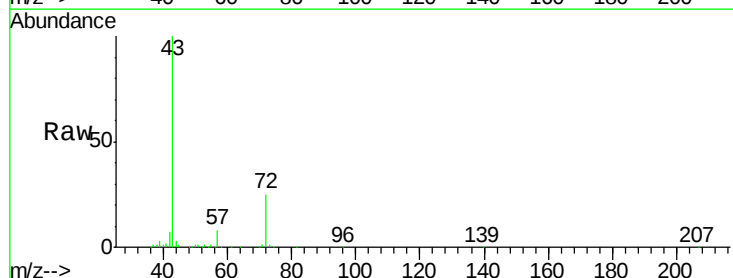
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

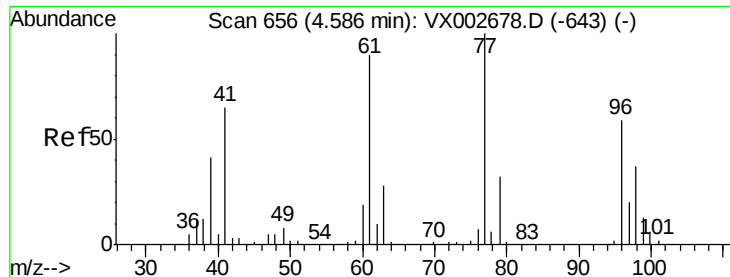
Tot Ion: 75 Resp: 74676
 Ion Ratio Lower Upper
 75 100
 110 37.0 0.0 71.4
 77 31.5 0.0 60.6



#30
 2-Butanone
 Concen: 112.36 ug/l
 RT: 4.71 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: VX002978.D
 Acq: 28 Jun 2018 11:06

Tgt Ion: 43 Resp: 228523
 Ion Ratio Lower Upper
 43 100
 57 7.8 6.1 9.1
 72 24.0 18.1 27.1

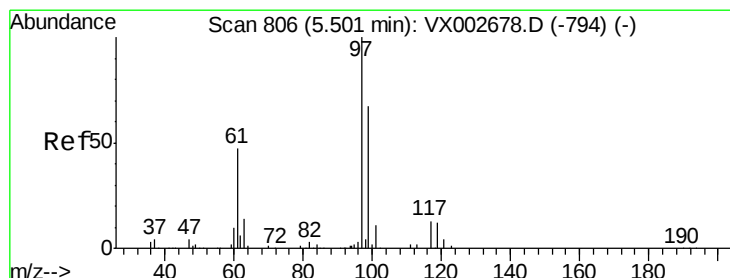
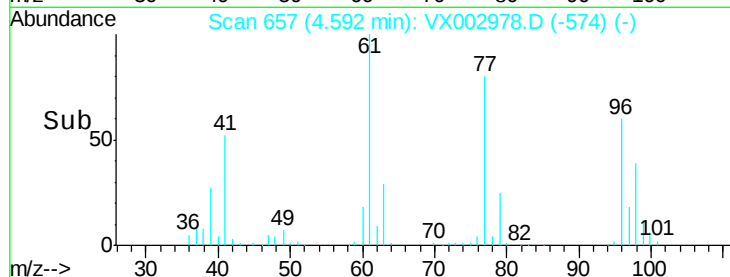
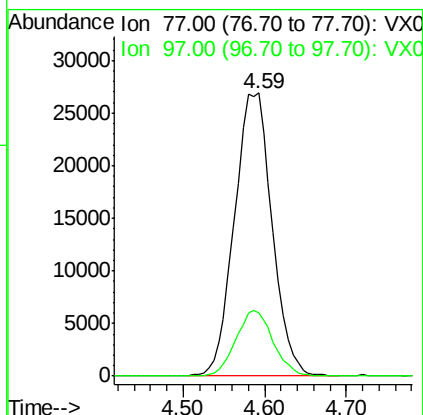
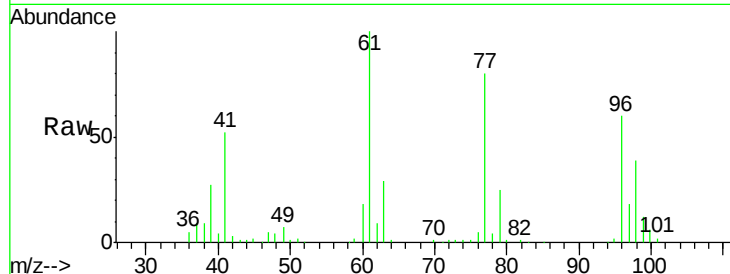




#31
 2,2-Dichloropropane
 Concen: 22.76 ug/l
 RT: 4.59 min Scan# 657
 Delta R.T. 0.01 min
 Lab File: VX002978.D
 Acq: 28 Jun 2018 11:06

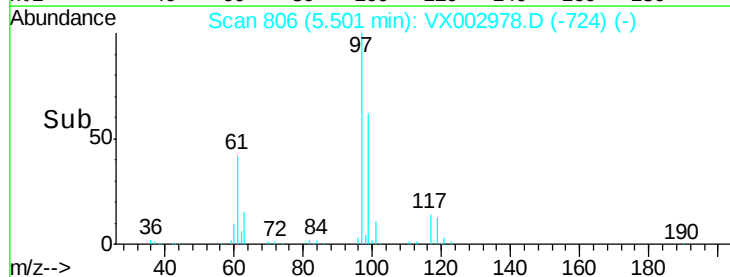
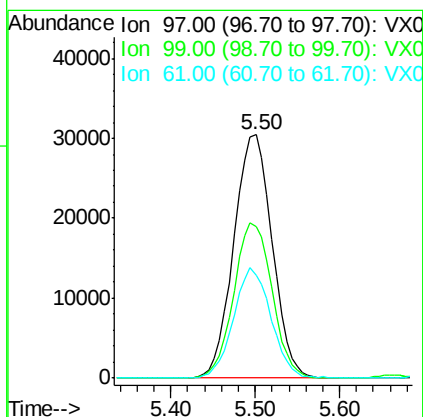
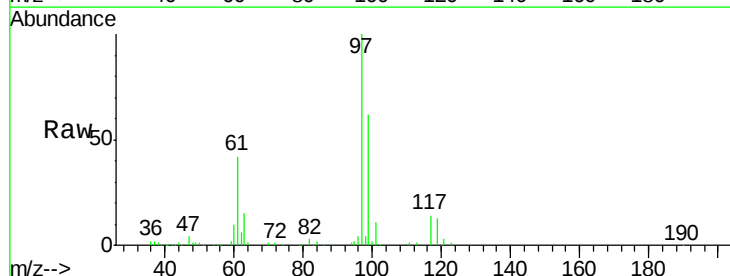
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

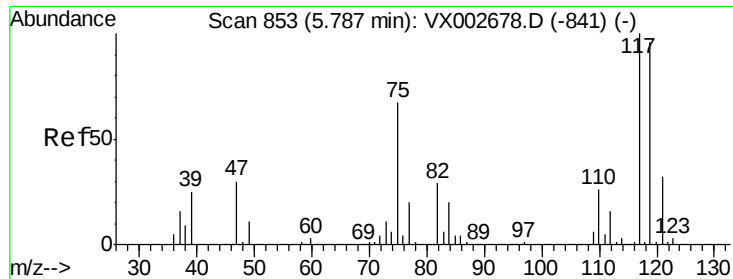
Tot Ion: 77 Resp: 86451
 Ion Ratio Lower Upper
 77 100
 97 22.7 18.7 28.1



#32
 1,1,1-Trichloroethane
 Concen: 21.93 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX002978.D
 Acq: 28 Jun 2018 11:06

Tgt Ion: 97 Resp: 94154
 Ion Ratio Lower Upper
 97 100
 99 63.5 51.7 77.5
 61 44.1 36.4 54.6





#33

Carbon Tetrachloride

Concen: 21.68 ug/l

RT: 5.79 min Scan# 853

Delta R.T. -0.00 min

Lab File: VX002978.D

Acq: 28 Jun 2018 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

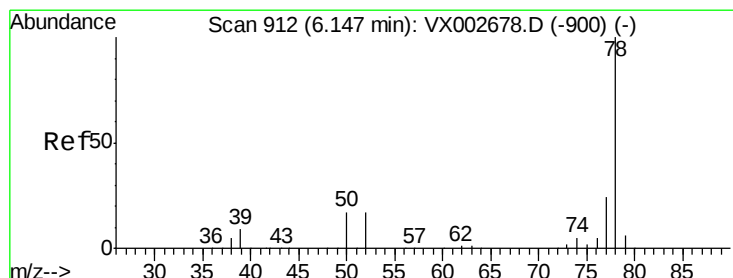
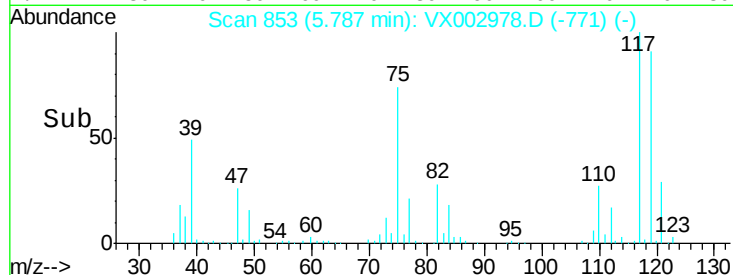
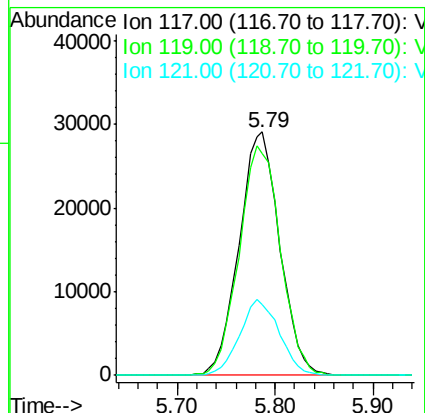
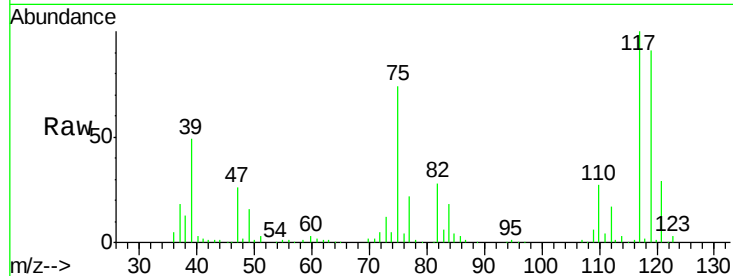
Tot Ion:117 Resp: 83676

Ion Ratio Lower Upper

117 100

119 90.8 73.3 109.9

121 29.0 23.6 35.4



#34

Benzene

Concen: 20.80 ug/l

RT: 6.15 min Scan# 912

Delta R.T. -0.00 min

Lab File: VX002978.D

Acq: 28 Jun 2018 11:06

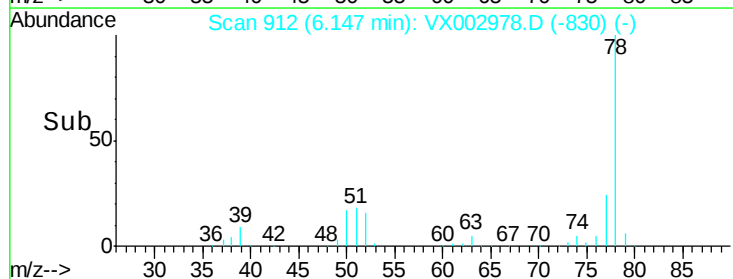
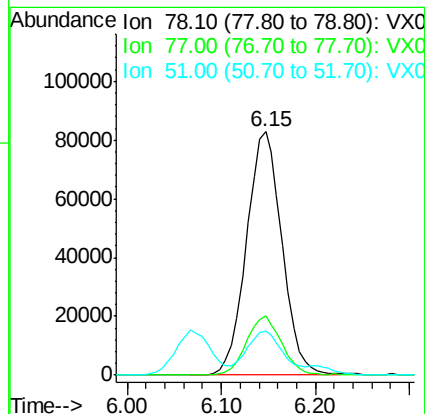
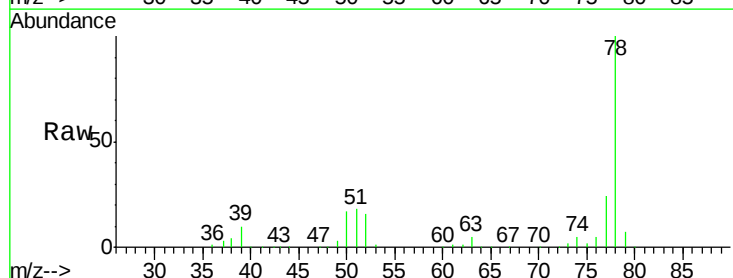
Tgt Ion: 78 Resp: 218931

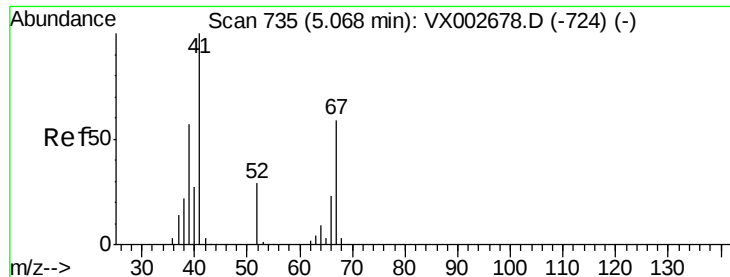
Ion Ratio Lower Upper

78 100

77 24.1 19.4 29.0

51 16.6 13.8 20.6

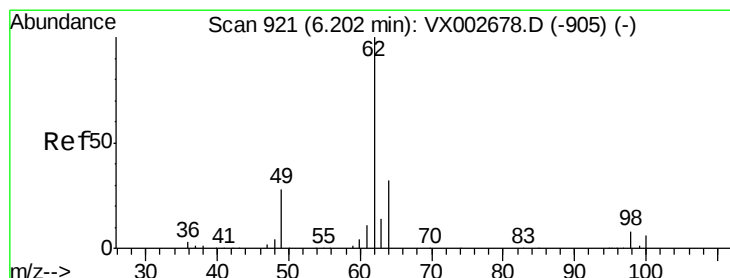
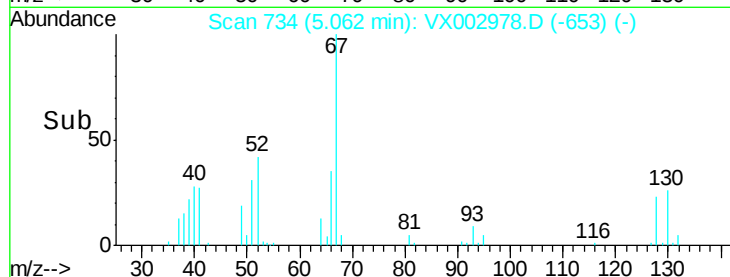
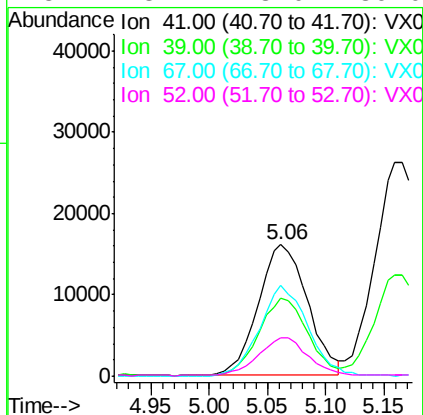
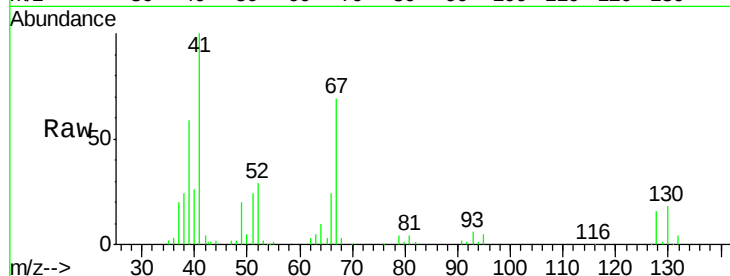




#35
Methacrylonitrile
Concen: 21.36 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX002978.D
Acq: 28 Jun 2018 11:06

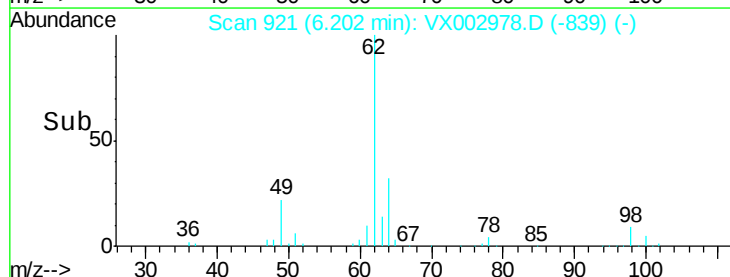
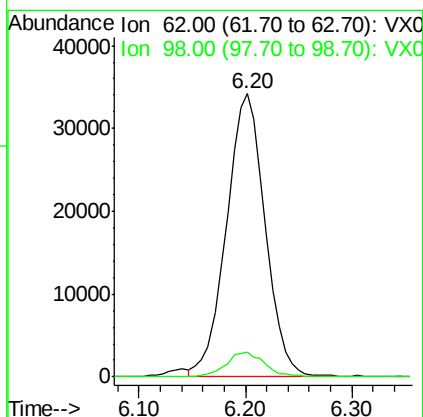
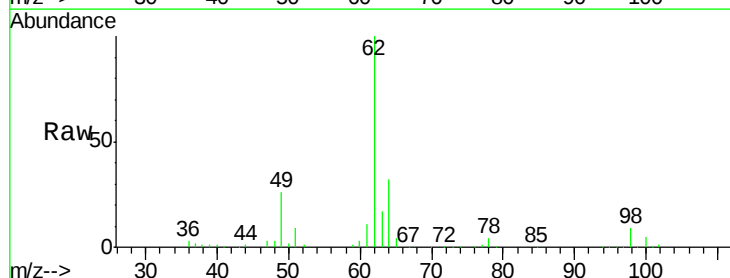
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

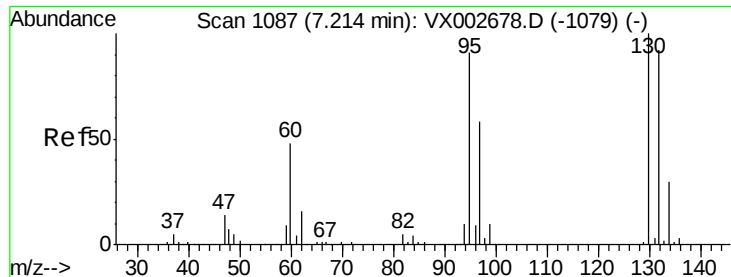
Tot Ion:	41	Resp:	47309
Ion	Ratio	Lower	Upper
41	100		
39	58.6	28.8	86.5
67	69.8	30.4	91.2
52	28.7	13.0	39.0



#36
1,2-Dichloroethane
Concen: 21.06 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002978.D
Acq: 28 Jun 2018 11:06

Tgt Ion:	62	Resp:	87024
Ion	Ratio	Lower	Upper
62	100		
98	8.7	6.5	9.7

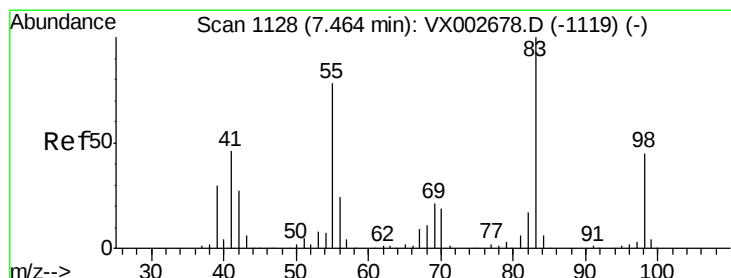
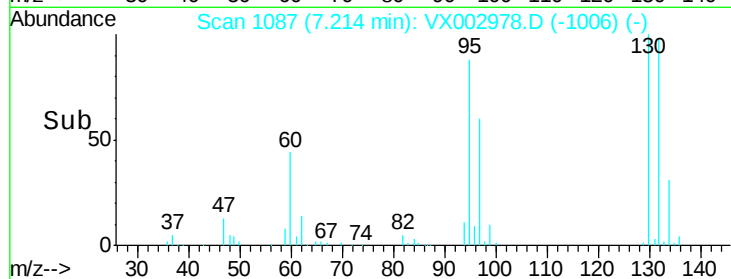
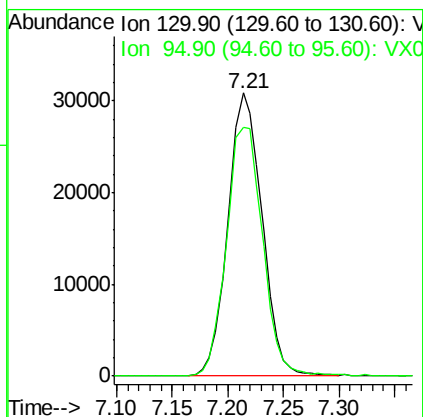
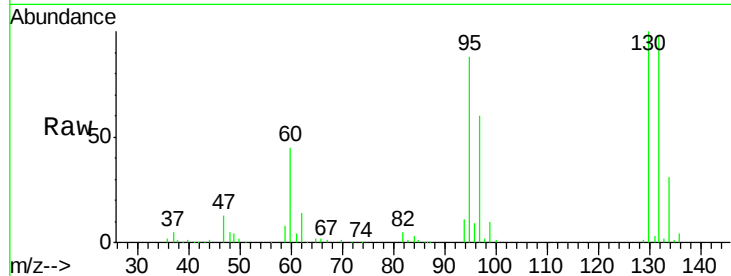




#37
 Trichloroethene
 Concen: 21.38 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX002978.D
 Acq: 28 Jun 2018 11:06

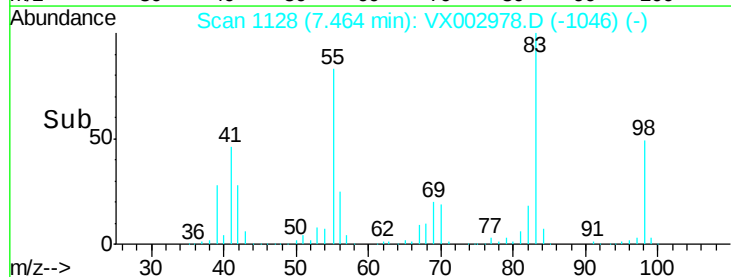
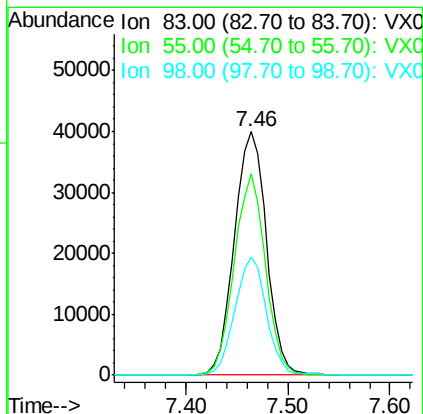
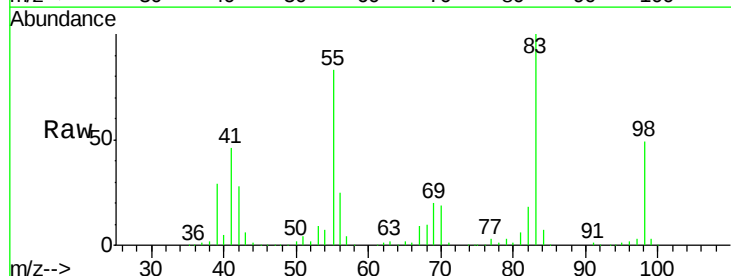
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

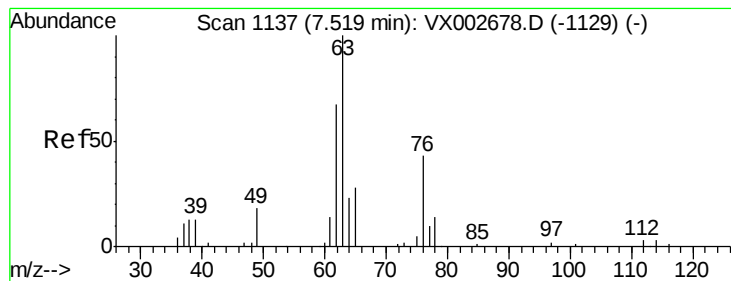
Tot Ion:130 Resp: 65923
 Ion Ratio Lower Upper
 130 100
 95 87.7 81.5 122.3



#38
 Methylcyclohexane
 Concen: 20.20 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VX002978.D
 Acq: 28 Jun 2018 11:06

Tgt Ion: 83 Resp: 87365
 Ion Ratio Lower Upper
 83 100
 55 79.8 40.6 121.8
 98 47.3 23.5 70.5





#39

1,2-Dichloropropane

Concen: 21.50 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VX002978.D

Acq: 28 Jun 2018 11:06

Instrument :

MSVOA_X

ClientSampleId :

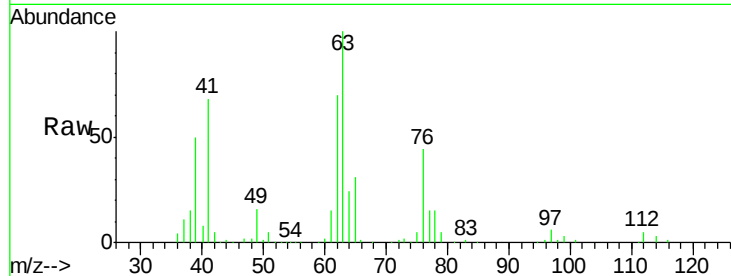
VSTDCCC020

Tot Ion: 63 Resp: 59031

Ion Ratio Lower Upper

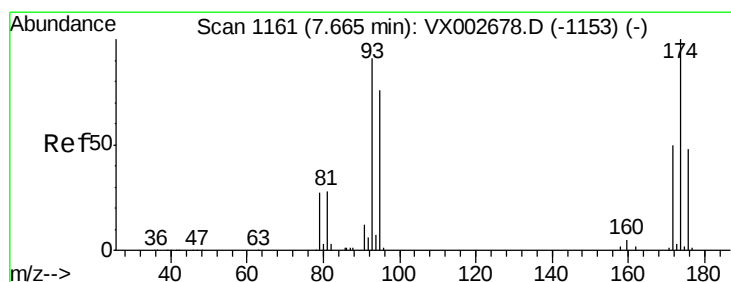
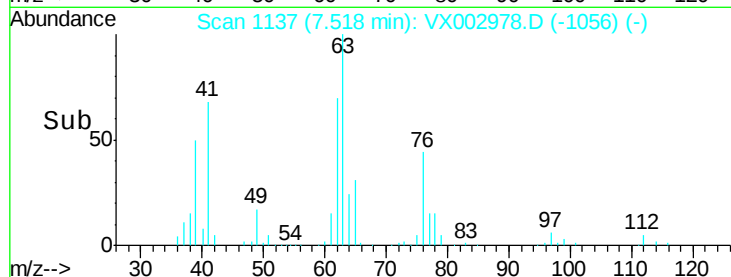
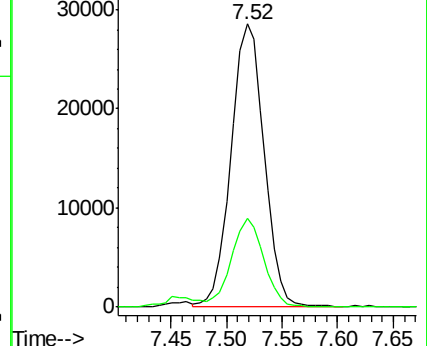
63 100

65 31.3 23.3 34.9



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0



#40

Dibromomethane

Concen: 21.42 ug/l

RT: 7.66 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002978.D

Acq: 28 Jun 2018 11:06

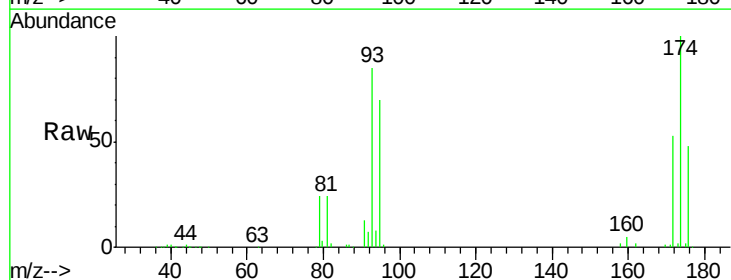
Tgt Ion: 93 Resp: 40865

Ion Ratio Lower Upper

93 100

95 81.6 0.0 162.6

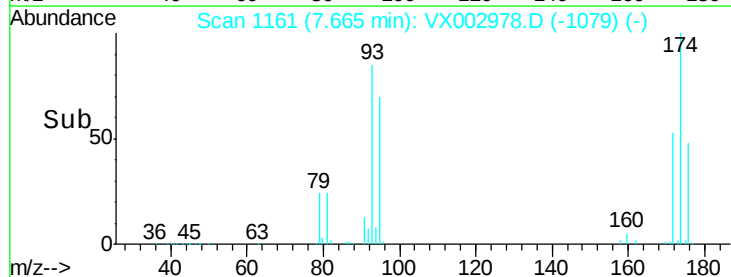
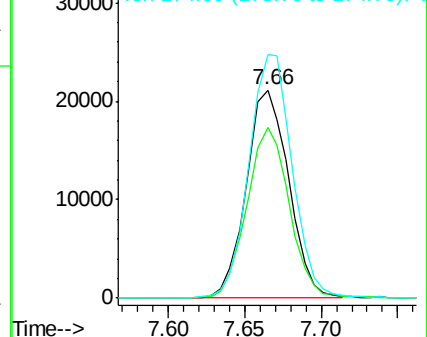
174 119.0 0.0 229.4

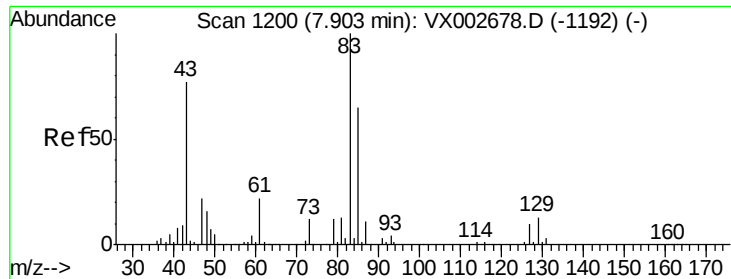


Abundance Ion 93.00 (92.70 to 93.70): VX0

Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 21.74 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002978.D

Acq: 28 Jun 2018 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

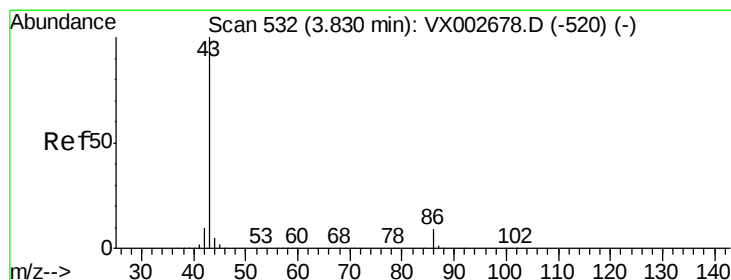
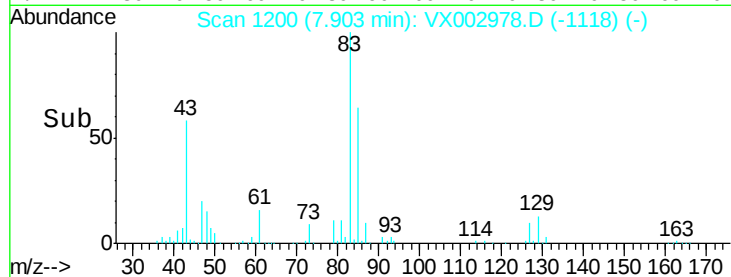
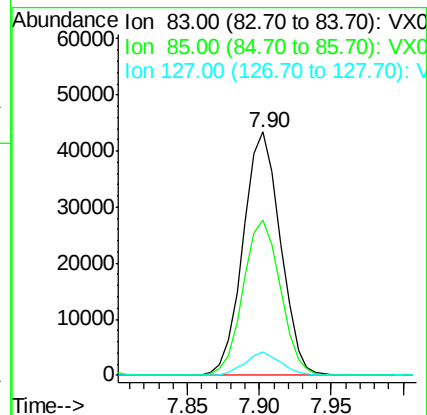
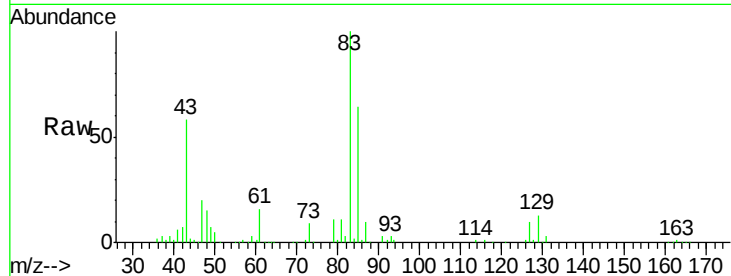
Tot Ion: 83 Resp: 77889

Ion Ratio Lower Upper

83 100

85 63.8 49.8 74.8

127 9.6 7.3 10.9



#42

Vinyl Acetate

Concen: 104.03 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX002978.D

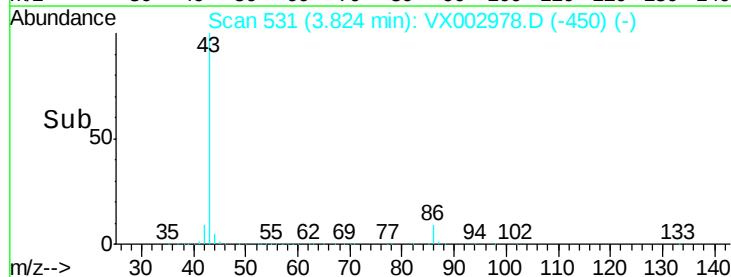
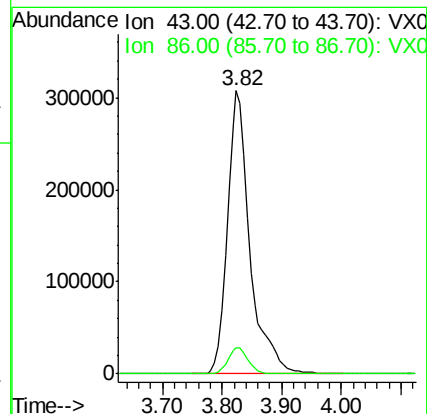
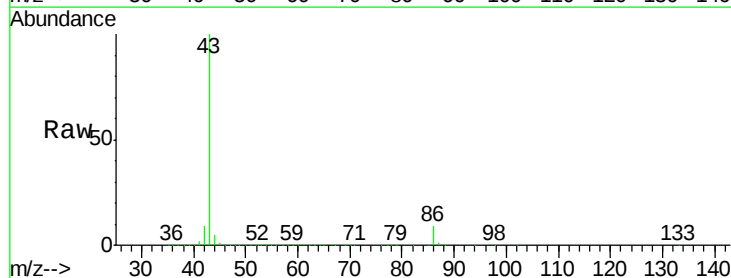
Acq: 28 Jun 2018 11:06

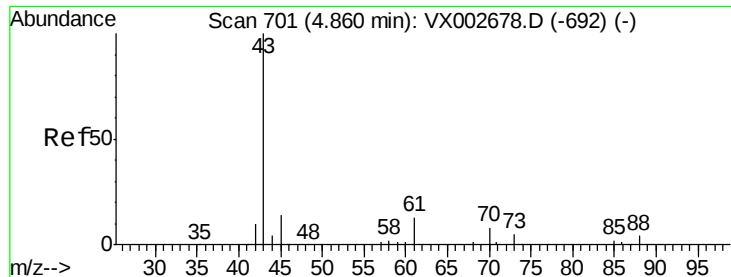
Tgt Ion: 43 Resp: 802449

Ion Ratio Lower Upper

43 100

86 8.4 6.7 10.1

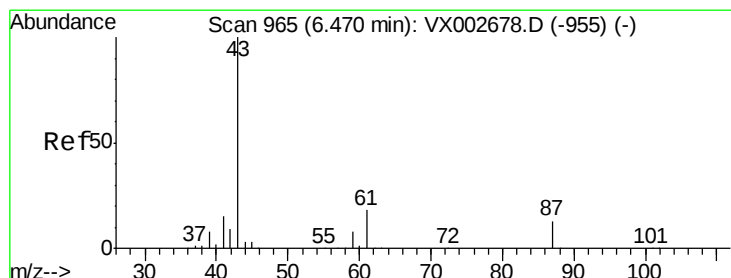
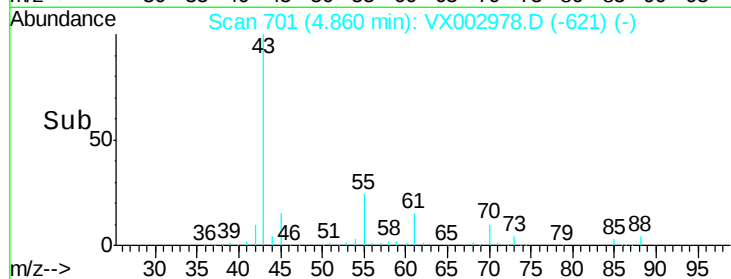
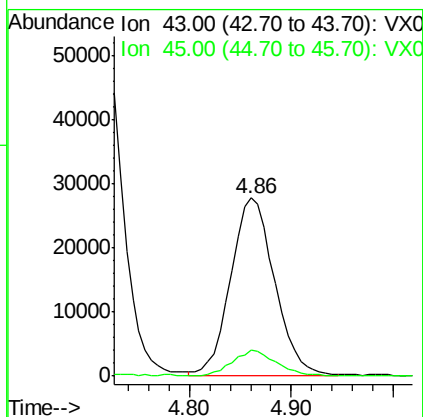
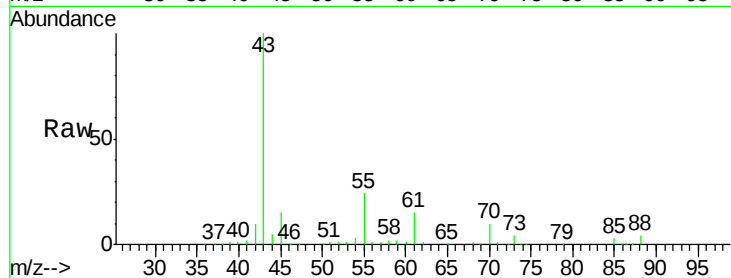




#43
Ethyl Acetate
Concen: 21.37 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX002978.D
Acq: 28 Jun 2018 11:06

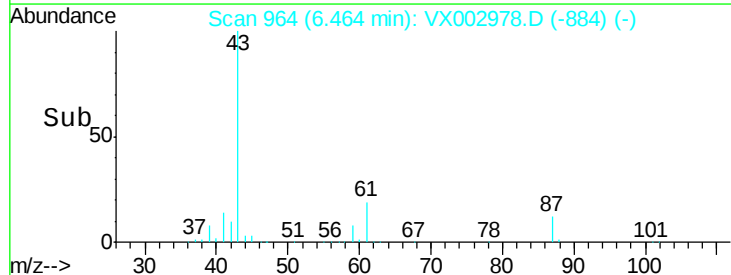
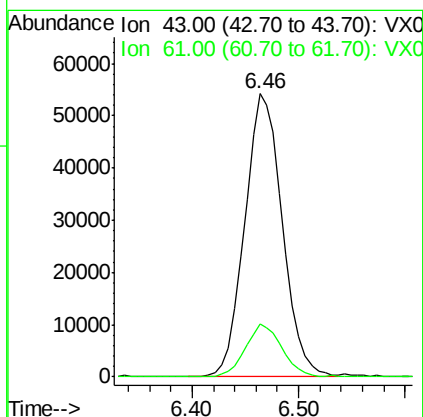
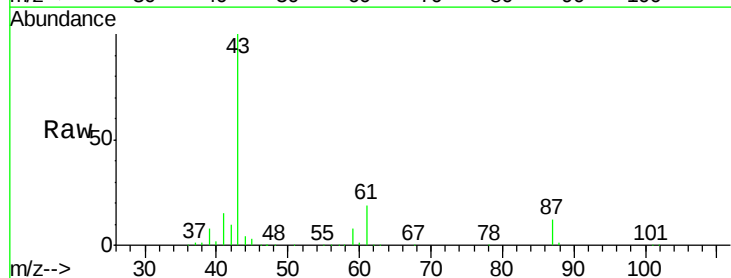
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

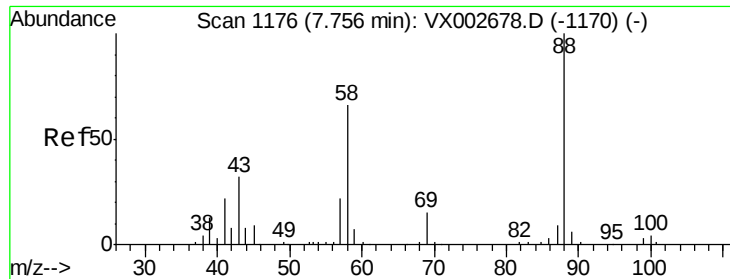
Tot Ion: 43 Resp: 83114
Ion Ratio Lower Upper
43 100
45 14.3 11.0 16.4



#44
Isopropyl Acetate
Concen: 20.60 ug/l
RT: 6.46 min Scan# 964
Delta R.T. -0.01 min
Lab File: VX002978.D
Acq: 28 Jun 2018 11:06

Tgt Ion: 43 Resp: 134257
Ion Ratio Lower Upper
43 100
61 17.9 14.5 21.7

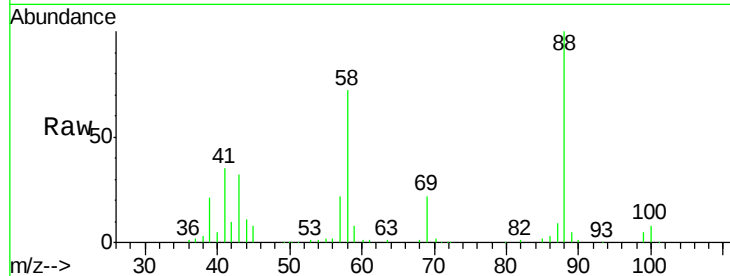




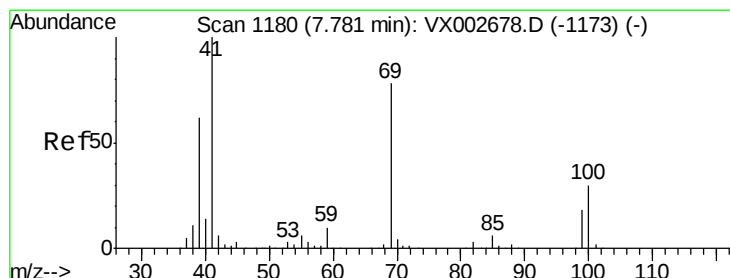
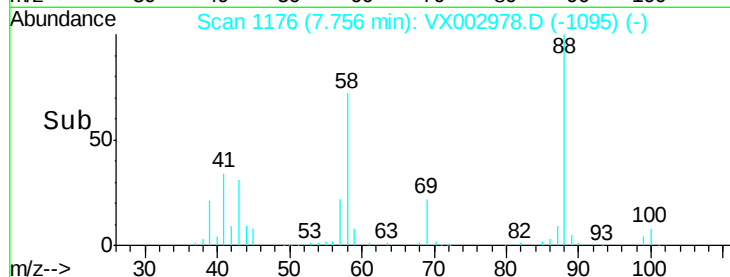
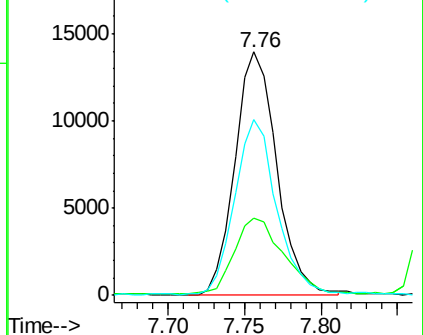
#45
1,4-Dioxane
Concen: 416.36 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.01 min
Lab File: VX002978.D
Acq: 28 Jun 2018 11:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion: 88 Resp: 26585
Ion Ratio Lower Upper
88 100
43 35.9 43.2 64.8#
58 72.7 60.2 90.2

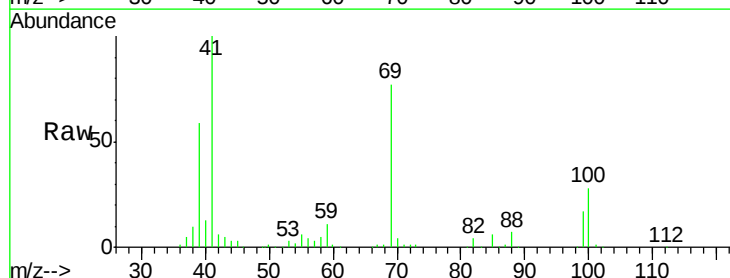


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

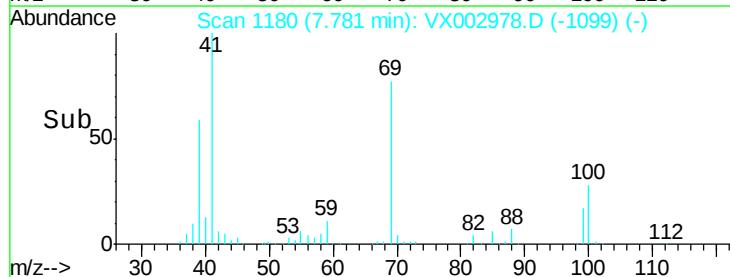
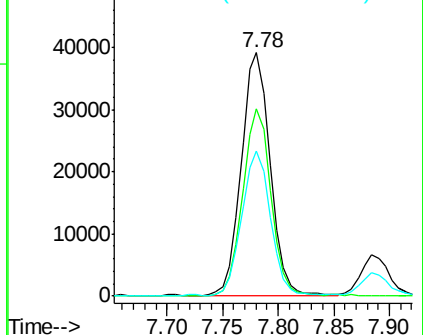


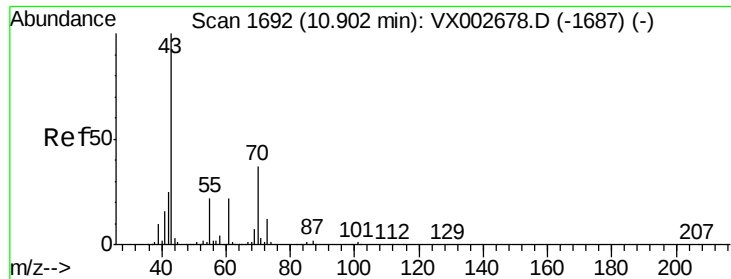
#46
Methyl methacrylate
Concen: 21.10 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VX002978.D
Acq: 28 Jun 2018 11:06

Tgt Ion: 41 Resp: 70277
Ion Ratio Lower Upper
41 100
69 77.1 37.0 110.9
39 59.0 29.6 88.9



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





#47

n-amvl Acetate

Concen: 19.28 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX002978.D

Acq: 28 Jun 2018 11:06

Instrument :

MSVOA_X

ClientSampleId :

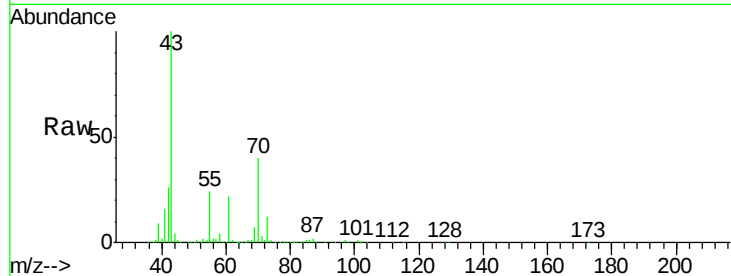
VSTDCCC020

Tot Ion: 43 Resp: 118560

Ion Ratio Lower Upper

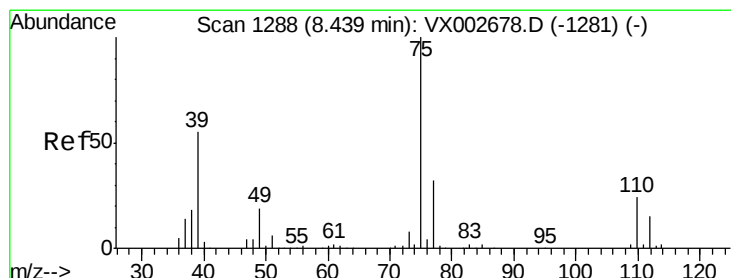
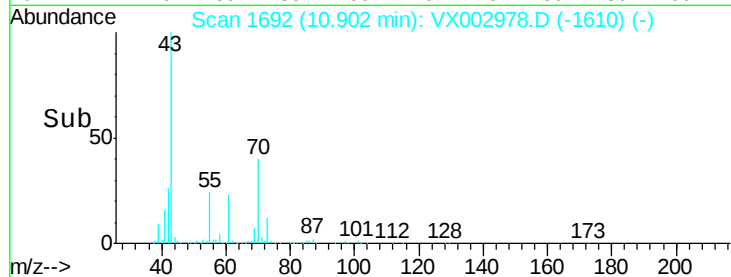
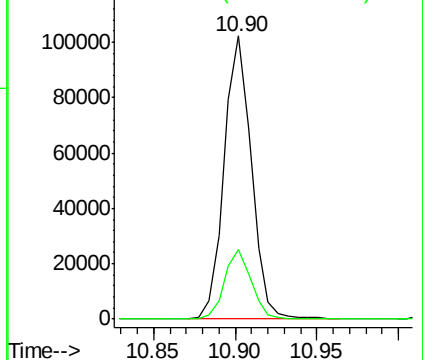
43 100

55 24.6 0.1 0.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#48

t-1,3-Dichloropropene

Concen: 20.45 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX002978.D

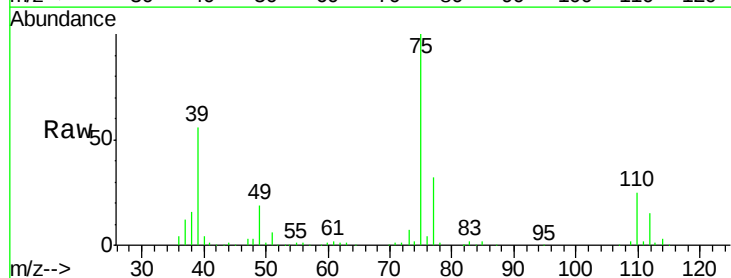
Acq: 28 Jun 2018 11:06

Tgt Ion: 75 Resp: 86049

Ion Ratio Lower Upper

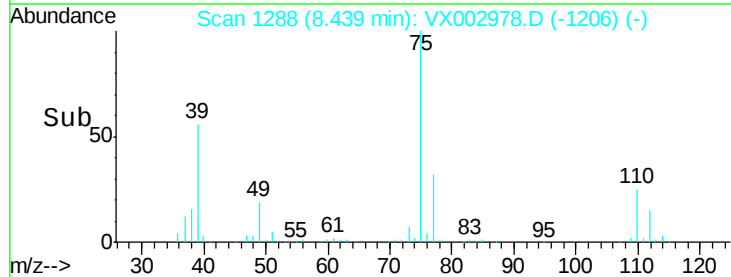
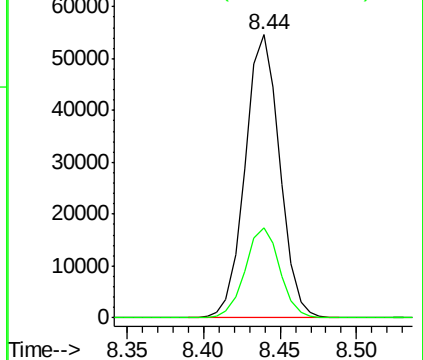
75 100

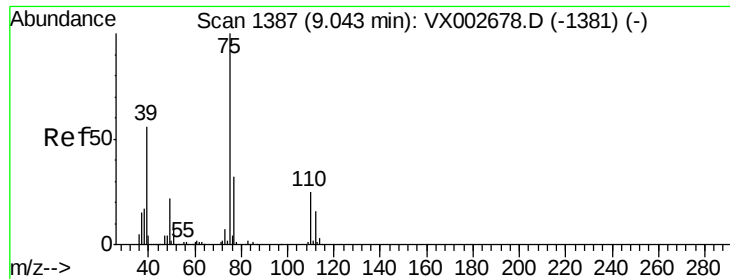
77 31.7 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

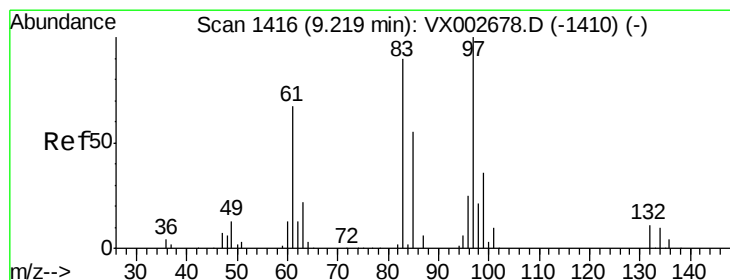
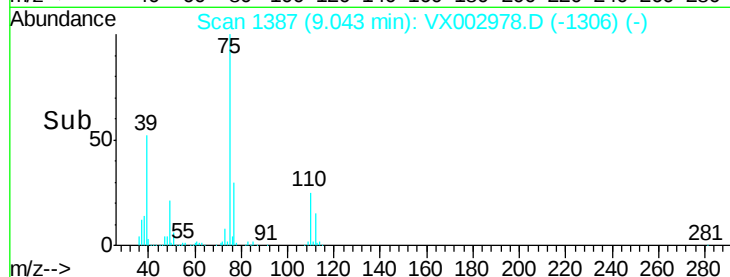
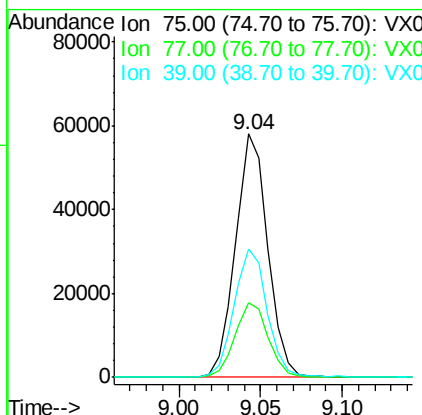
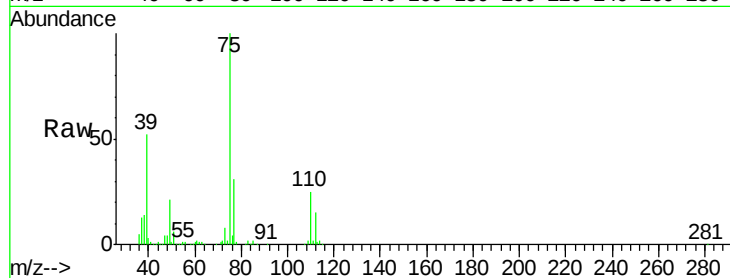




#49
 cis-1,3-Dichloropropene
 Concen: 20.41 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: VX002978.D
 Acq: 28 Jun 2018 11:06

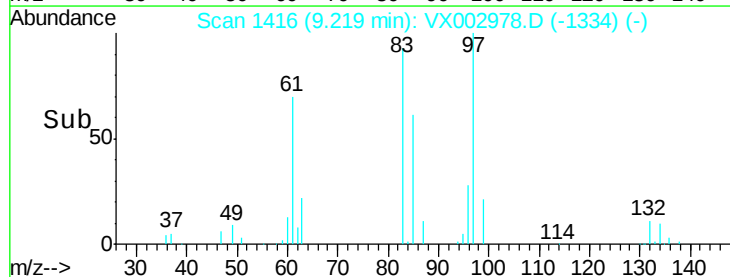
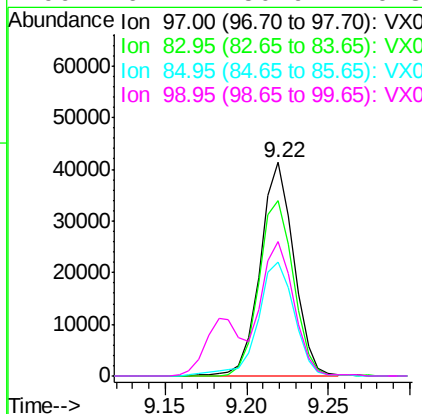
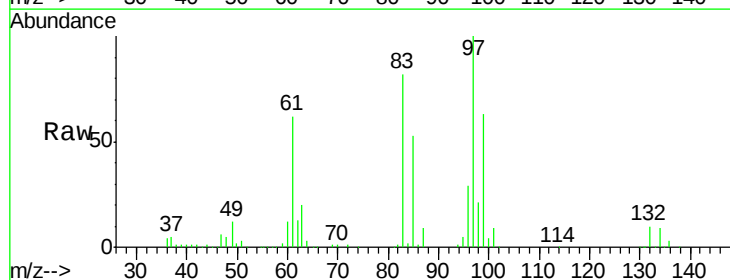
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

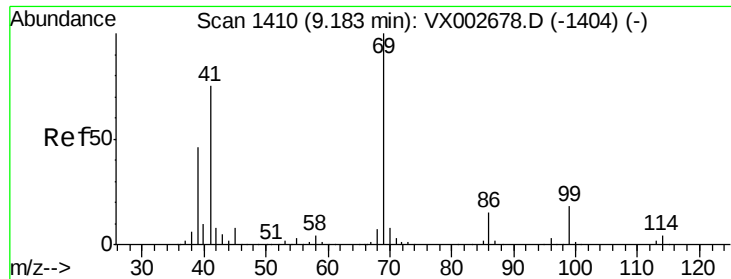
Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.4	38.2
39	52.2	42.3	63.5



#50
 1,1,2-Trichloroethane
 Concen: 20.92 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002978.D
 Acq: 28 Jun 2018 11:06

Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.9	70.8	106.2
85	53.2	43.5	65.3
99	62.2	50.9	76.3

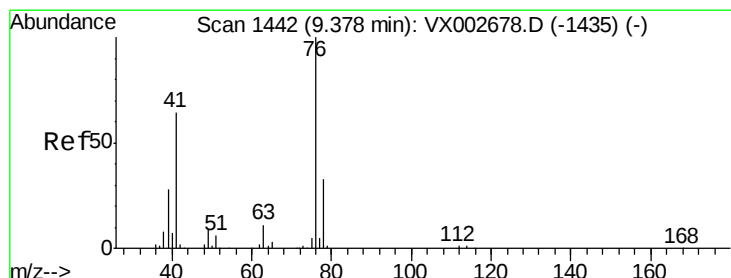
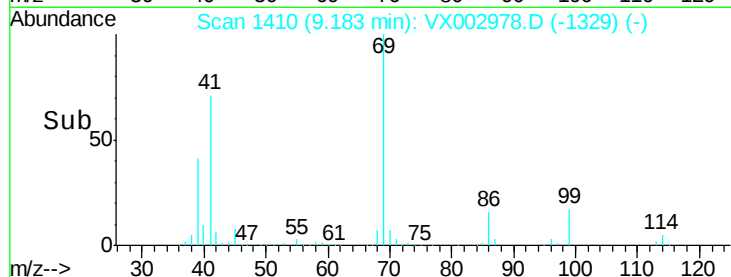
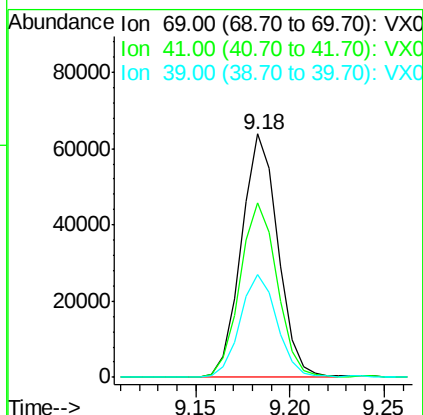
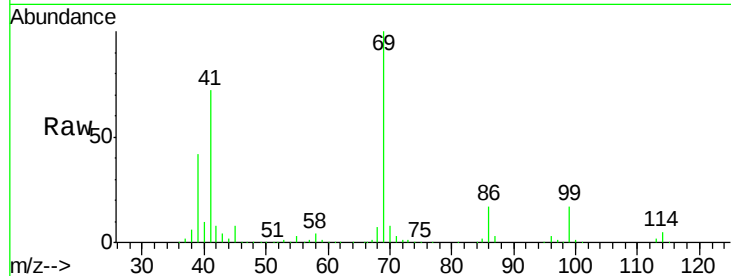




#51
Ethyl methacrylate
Concen: 20.27 ug/l
RT: 9.18 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX002978.D
Acq: 28 Jun 2018 11:06

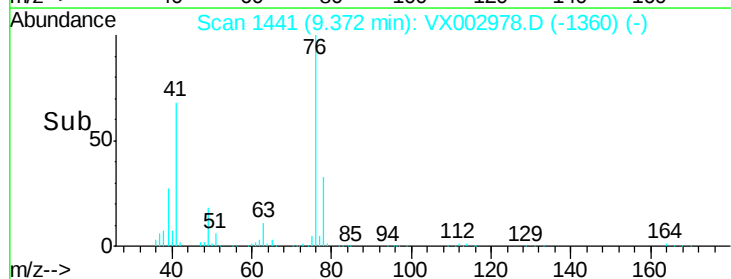
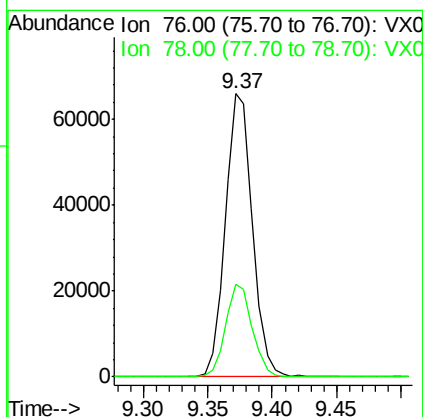
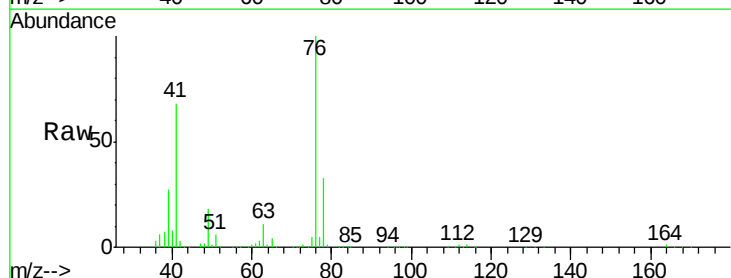
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

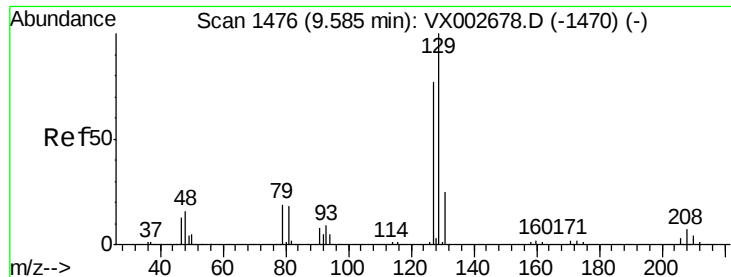
Tot Ion: 69 Resp: 86094
Ion Ratio Lower Upper
69 100
41 71.6 39.1 117.3
39 41.9 21.7 65.1



#52
1,3-Dichloropropane
Concen: 21.17 ug/l
RT: 9.37 min Scan# 1441
Delta R.T. -0.01 min
Lab File: VX002978.D
Acq: 28 Jun 2018 11:06

Tgt Ion: 76 Resp: 97288
Ion Ratio Lower Upper
76 100
78 32.2 0.0 63.4





#53

Dibromochloromethane

Concen: 20.96 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.00 min

Lab File: VX002978.D

Acq: 28 Jun 2018 11:06

Instrument :

MSVOA_X

ClientSampleId :

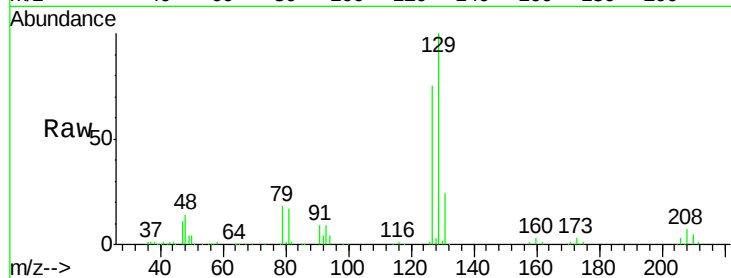
VSTDCCC020

Tot Ion:129 Resp: 62621

Ion Ratio Lower Upper

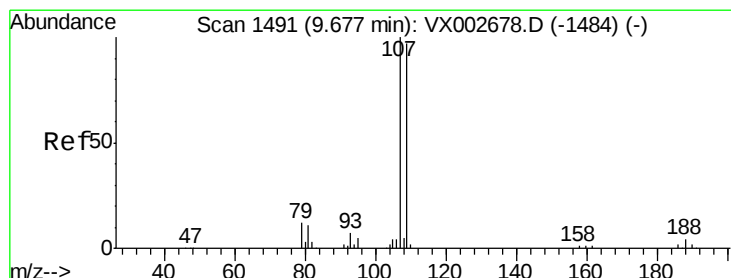
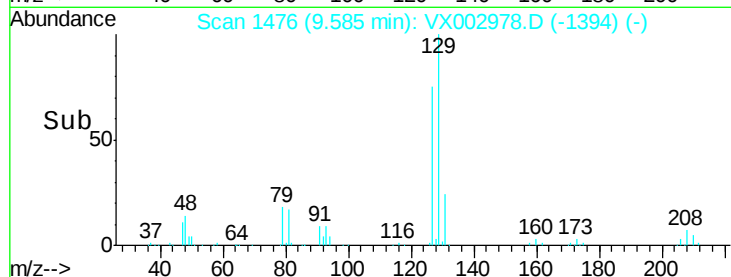
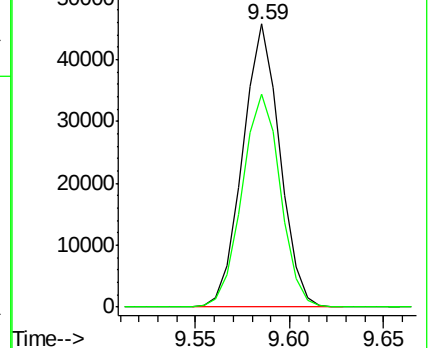
129 100

127 77.4 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: 21.05 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002978.D

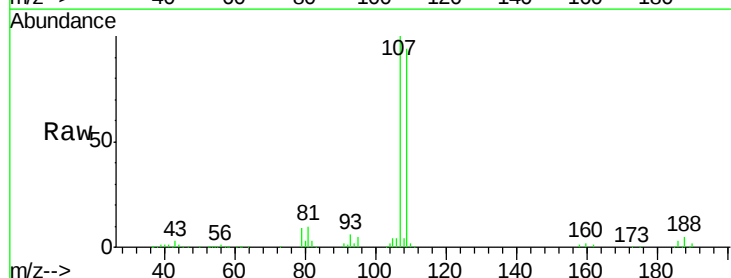
Acq: 28 Jun 2018 11:06

Tgt Ion:107 Resp: 62415

Ion Ratio Lower Upper

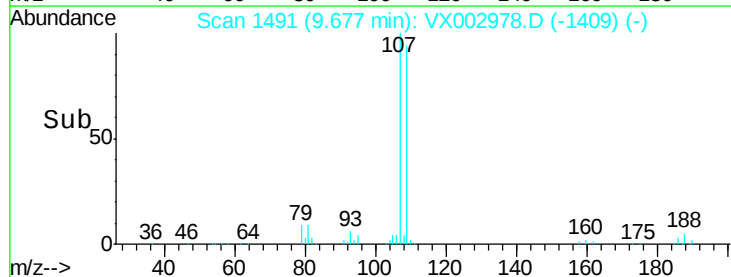
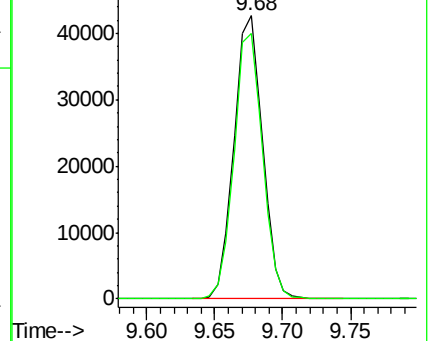
107 100

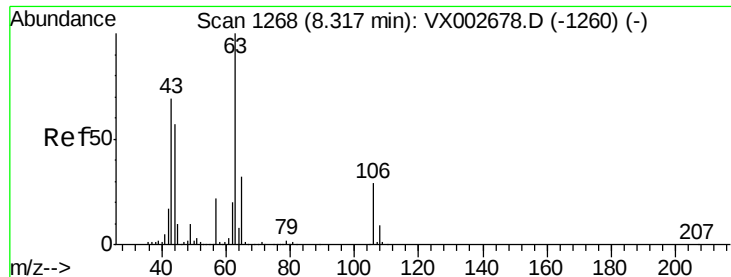
109 93.9 75.5 113.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

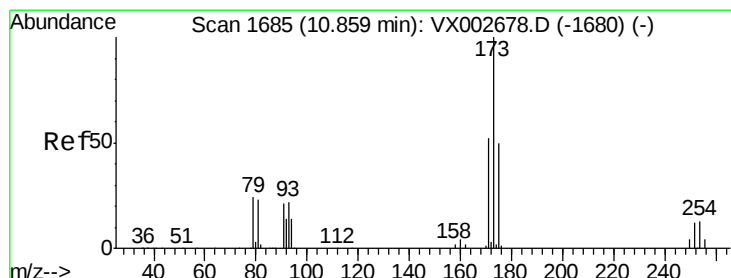
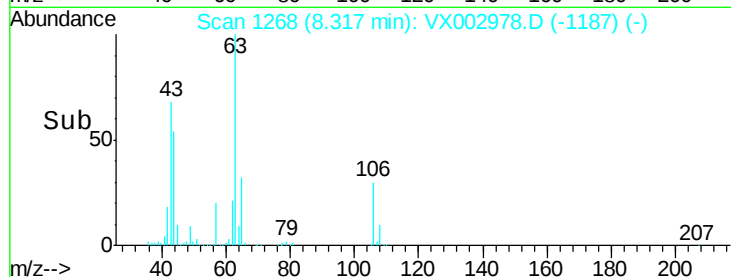
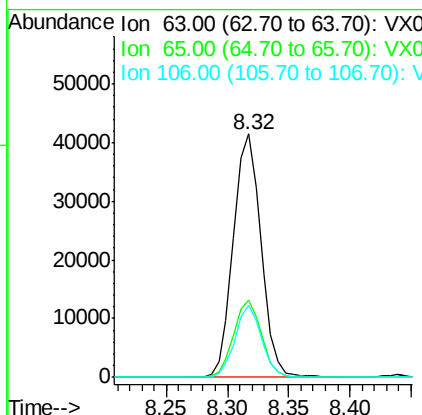
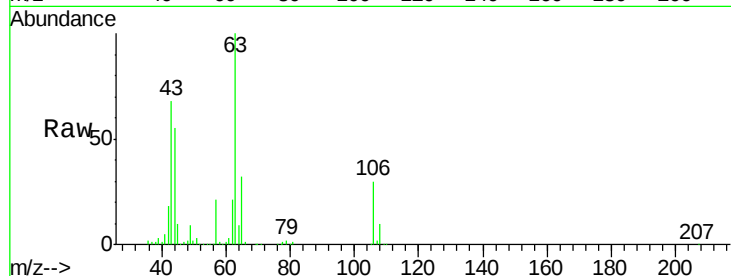




#55
2-Chloroethyl vinyl ether
Concen: 32.18 ug/l
RT: 8.32 min Scan# 1268
Delta R.T. -0.01 min
Lab File: VX002978.D
Acq: 28 Jun 2018 11:06

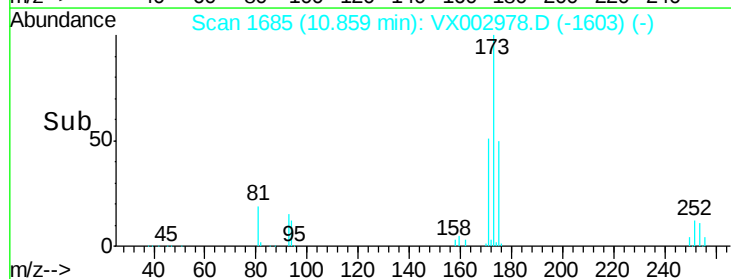
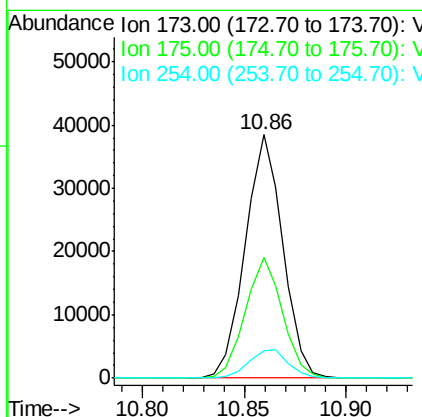
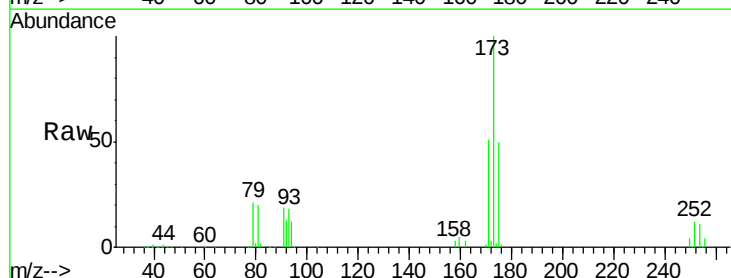
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

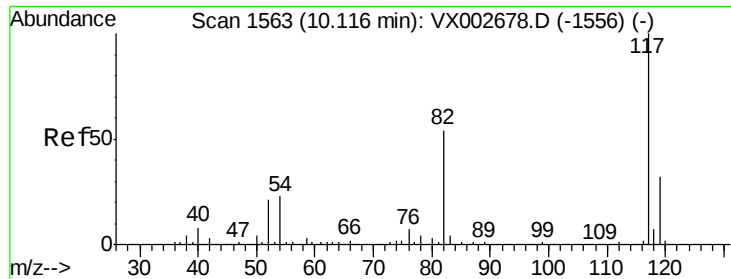
Tot Ion: 63 Resp: 64915
Ion Ratio Lower Upper
63 100
65 31.7 25.6 38.4
106 28.3 21.6 32.4



#56
Bromoform
Concen: 20.60 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX002978.D
Acq: 28 Jun 2018 11:06

Tgt Ion:173 Resp: 49127
Ion Ratio Lower Upper
173 100
175 49.1 39.0 58.4
254 12.2 9.6 14.4

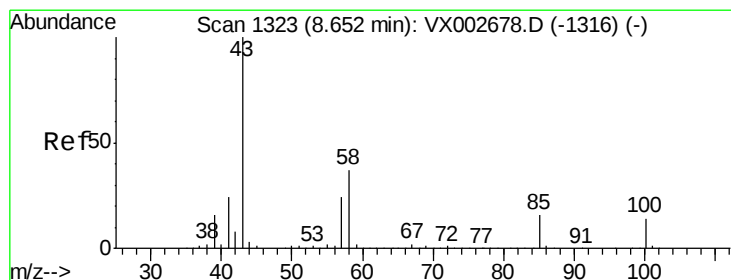
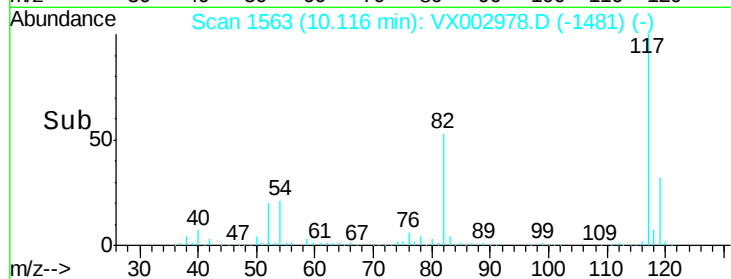
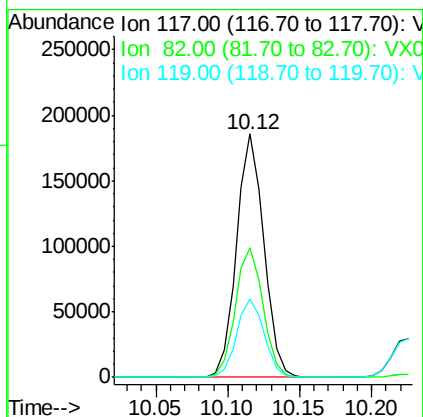
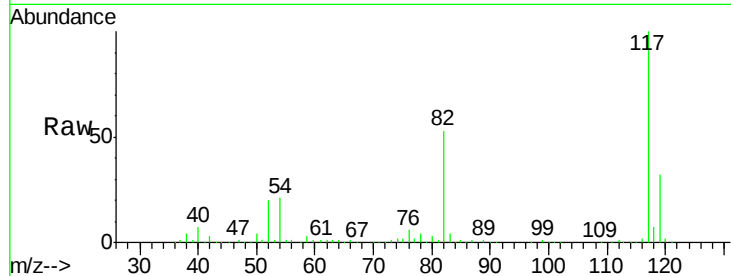




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002978.D
Acq: 28 Jun 2018 11:06

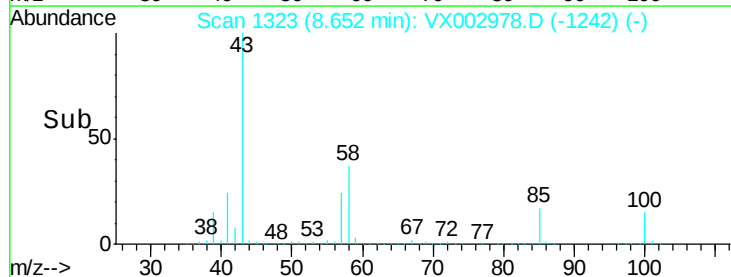
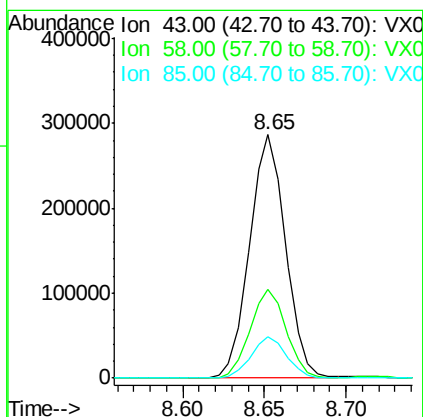
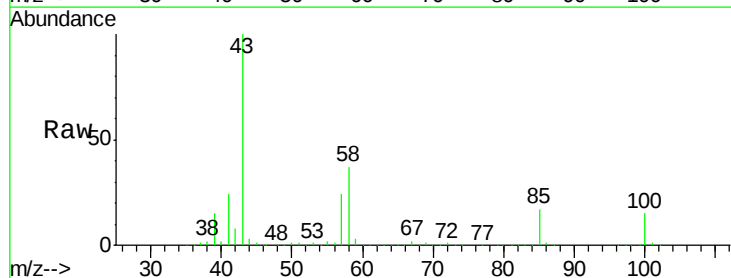
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

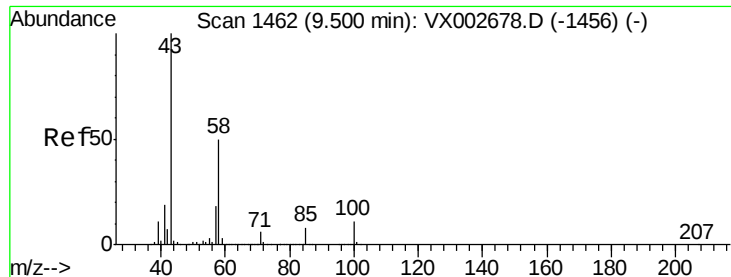
Tot Ion:117 Resp: 246130
Ion Ratio Lower Upper
117 100
82 54.1 44.3 66.5
119 32.5 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 105.32 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.01 min
Lab File: VX002978.D
Acq: 28 Jun 2018 11:06

Tgt Ion: 43 Resp: 440115
Ion Ratio Lower Upper
43 100
58 36.6 28.2 42.4
85 16.9 12.4 18.6

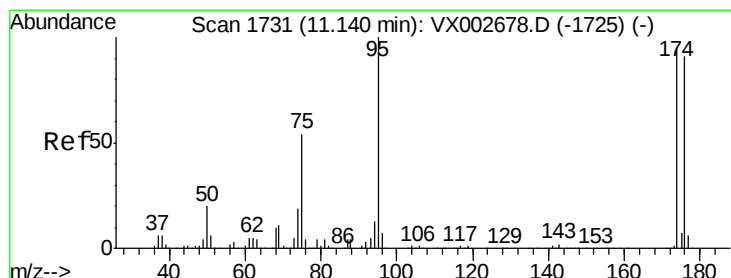
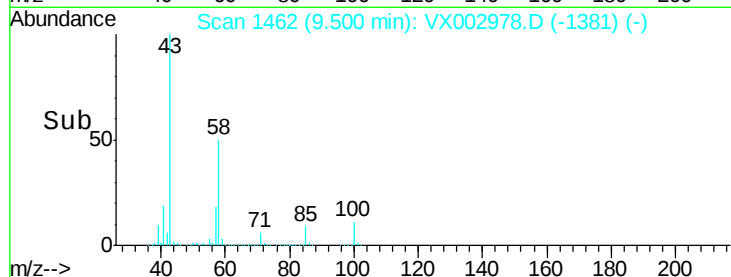
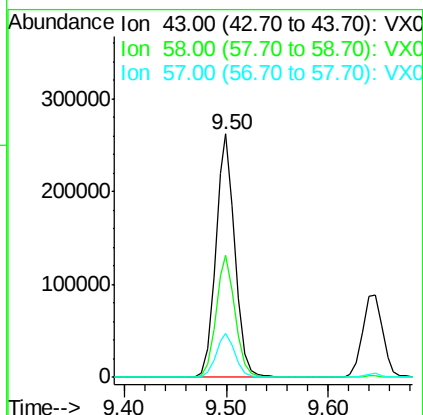
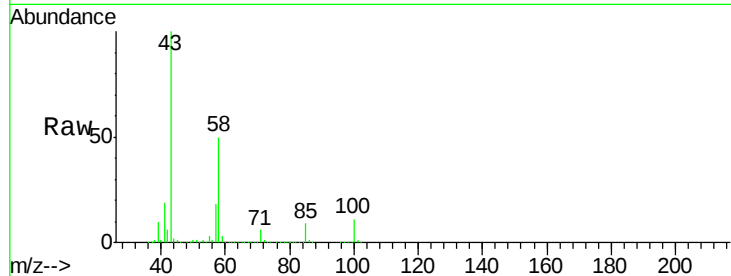




#59
2-Hexanone
Concen: 107.71 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX002978.D
Acq: 28 Jun 2018 11:06

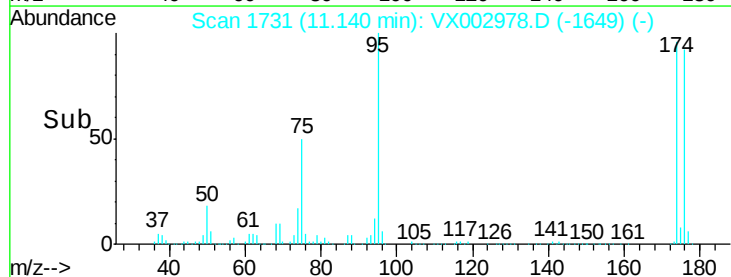
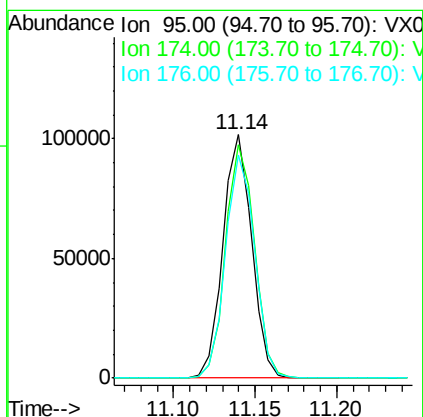
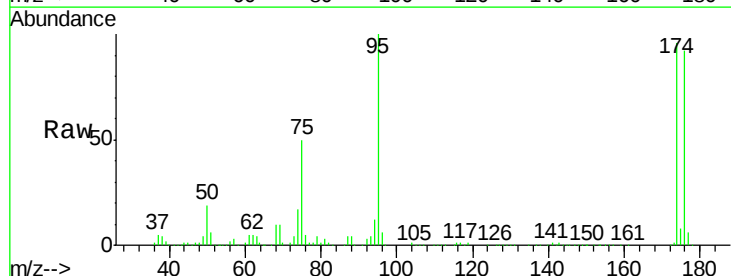
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

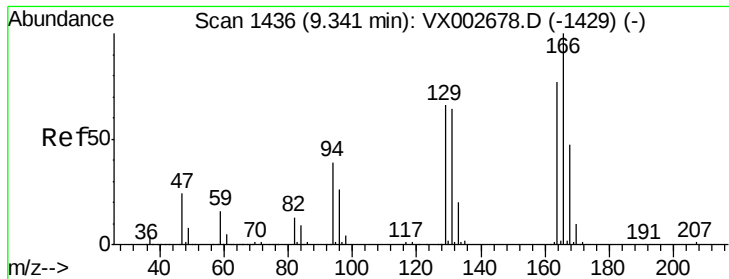
Tot Ion: 43 Resp: 344078
Ion Ratio Lower Upper
43 100
58 49.7 39.6 59.4
57 17.8 14.1 21.1



#60
4-Bromofluorobenzene
Concen: 30.66 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX002978.D
Acq: 28 Jun 2018 11:06

Tgt Ion: 95 Resp: 124652
Ion Ratio Lower Upper
95 100
174 96.8 71.8 107.6
176 93.1 70.1 105.1





#61

Tetrachloroethene

Concen: 20.60 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.01 min

Lab File: VX002978.D

Acq: 28 Jun 2018 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:164 Resp: 69579

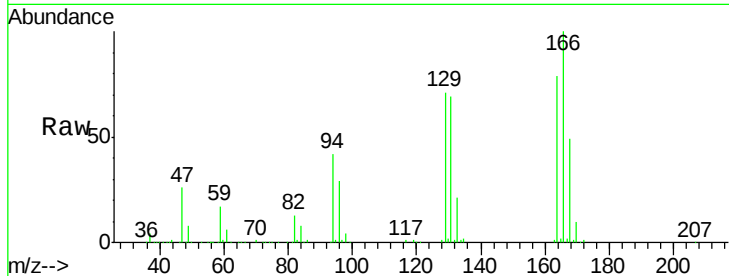
Ion Ratio Lower Upper

164 100

166 126.8 102.4 153.6

129 90.3 70.1 105.1

131 87.7 69.1 103.7

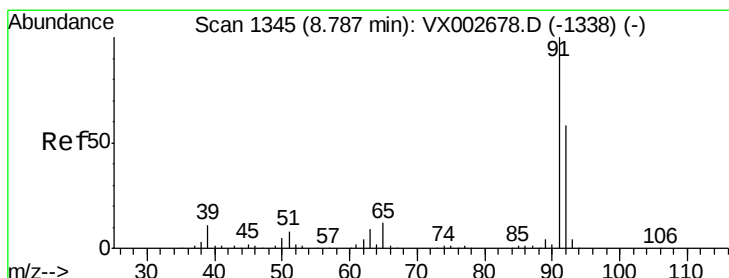
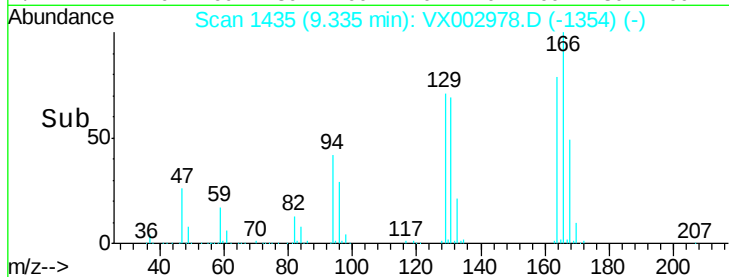
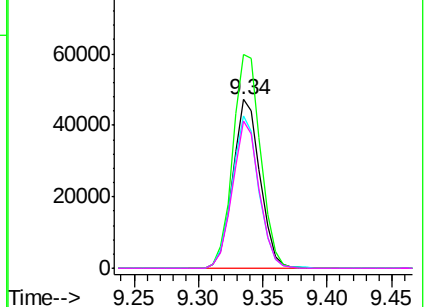


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.94 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VX002978.D

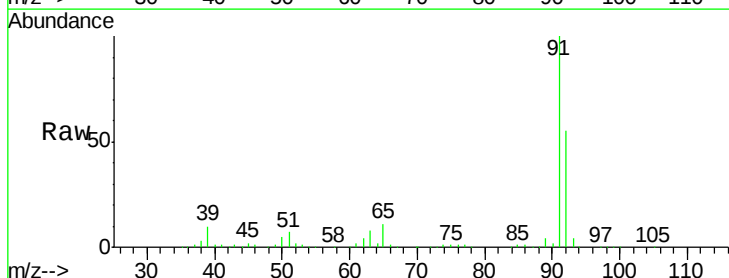
Acq: 28 Jun 2018 11:06

Tgt Ion: 91 Resp: 248431

Ion Ratio Lower Upper

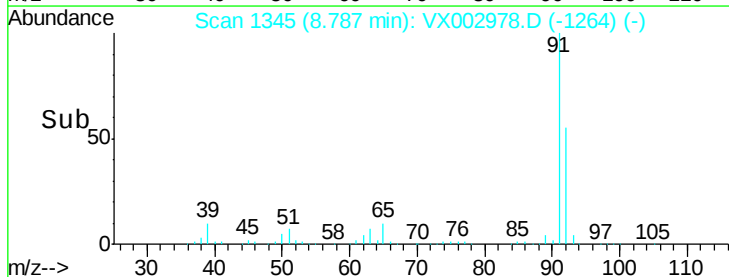
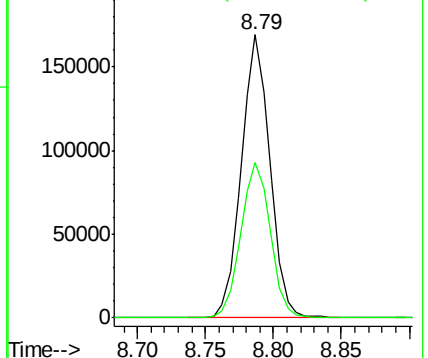
91 100

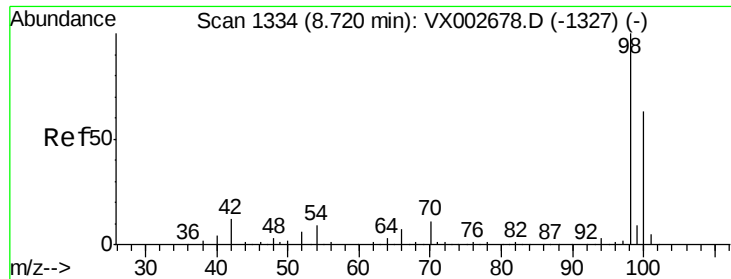
92 56.6 46.5 69.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

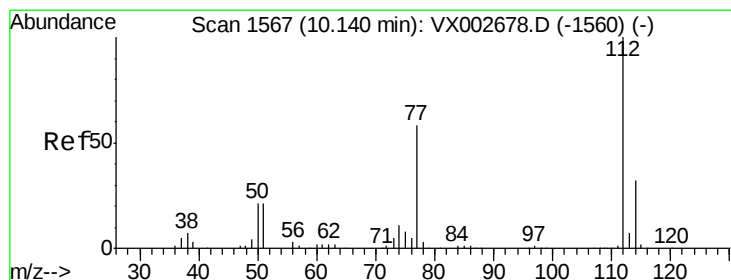
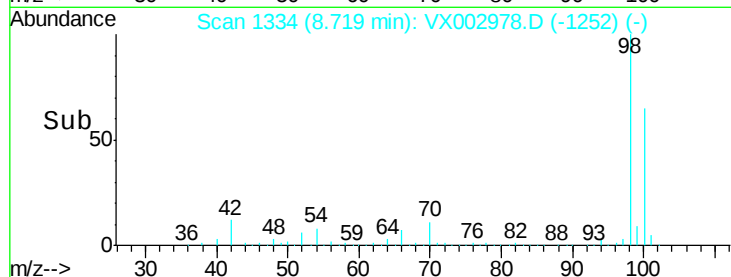
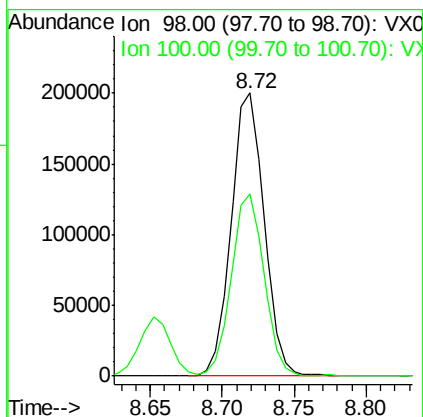
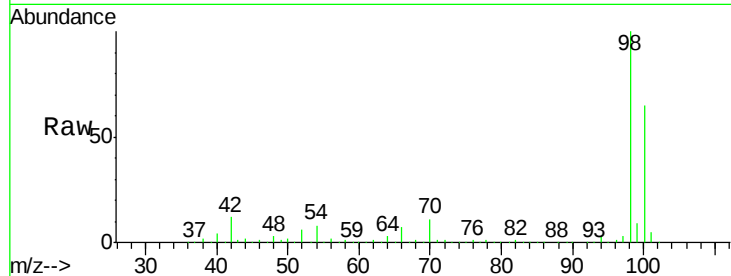




#63
Toluene-d8
Concen: 29.78 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002978.D
Acq: 28 Jun 2018 11:06

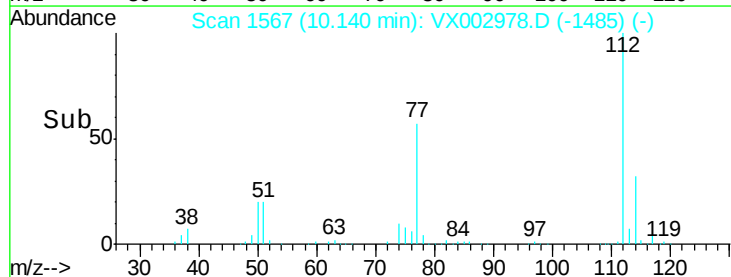
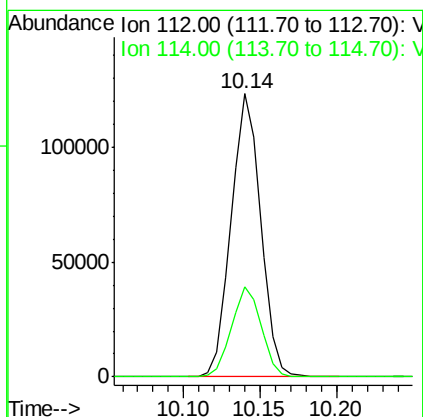
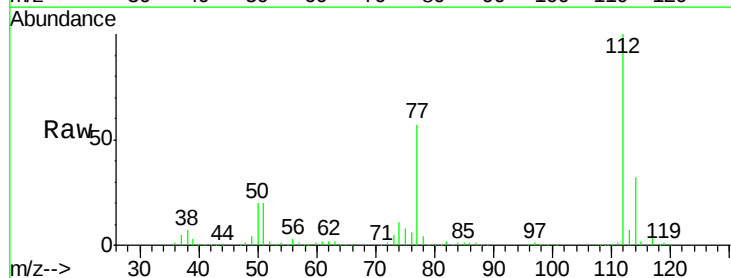
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

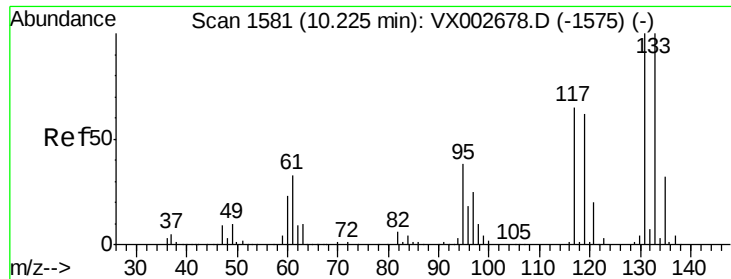
Tot Ion: 98 Resp: 320232
Ion Ratio Lower Upper
98 100
100 63.9 50.8 76.2



#64
Chlorobenzene
Concen: 20.94 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002978.D
Acq: 28 Jun 2018 11:06

Tgt Ion: 112 Resp: 165098
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 21.80 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002978.D

Acq: 28 Jun 2018 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

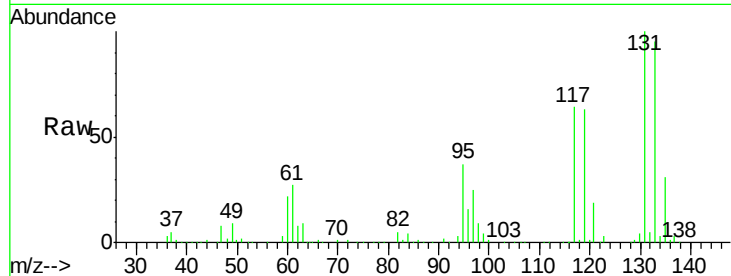
Tot Ion:131 Resp: 62980

Ion Ratio Lower Upper

131 100

133 94.9 0.0 191.2

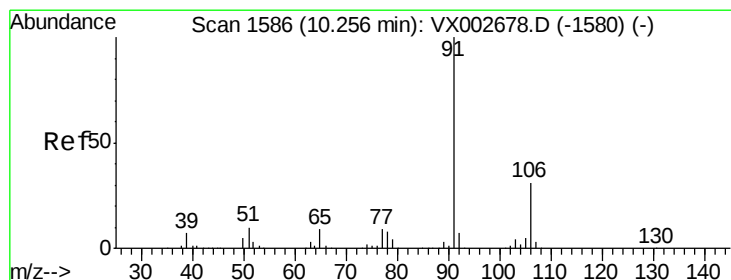
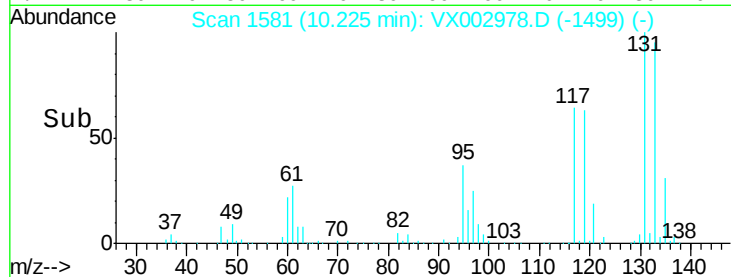
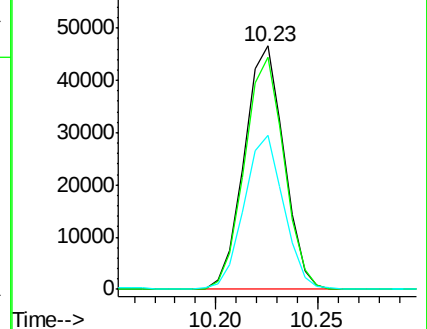
119 63.0 0.0 125.4



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: 20.79 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002978.D

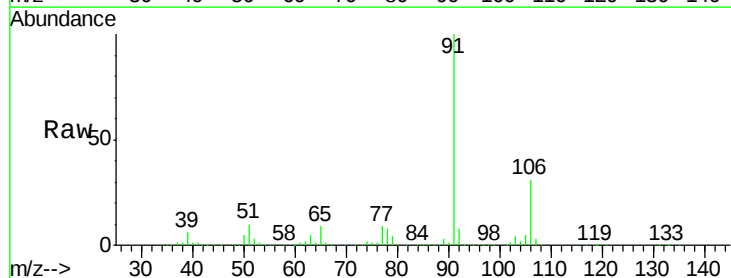
Acq: 28 Jun 2018 11:06

Tgt Ion: 91 Resp: 277791

Ion Ratio Lower Upper

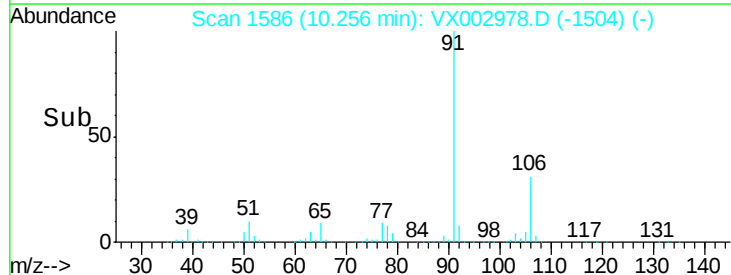
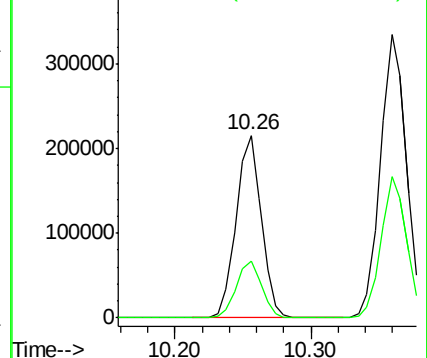
91 100

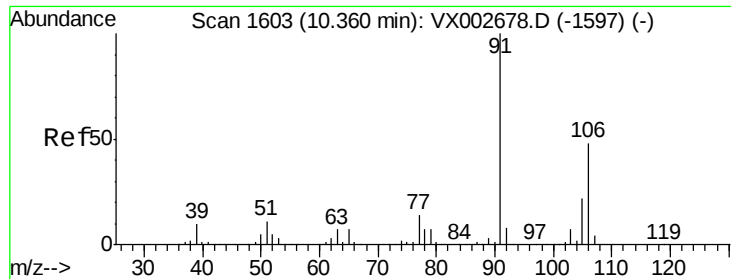
106 30.9 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

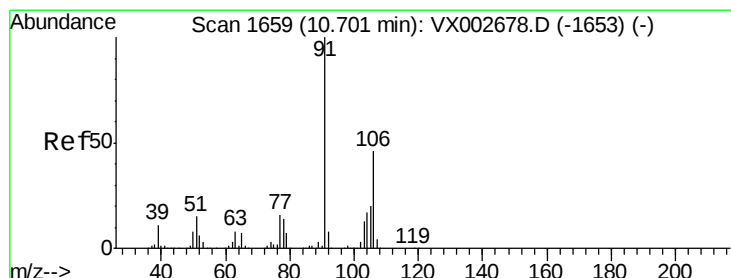
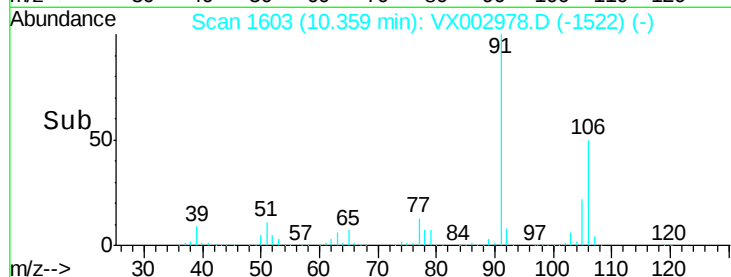
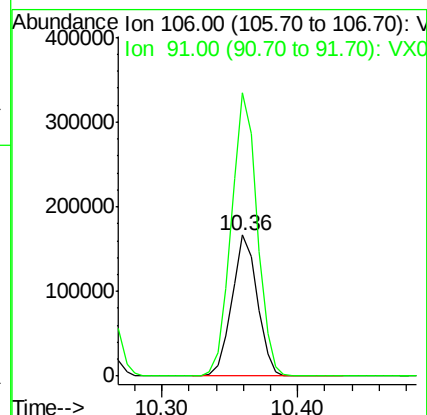
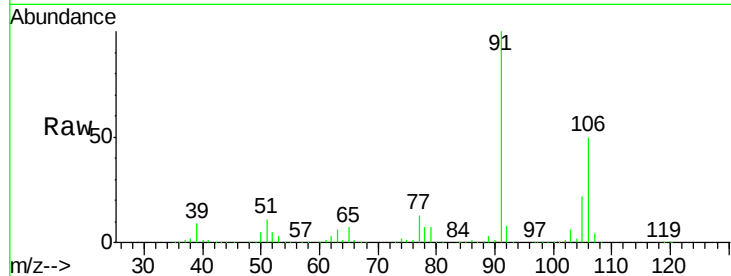




#67
m/p-Xylenes
Concen: 41.64 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX002978.D
Acq: 28 Jun 2018 11:06

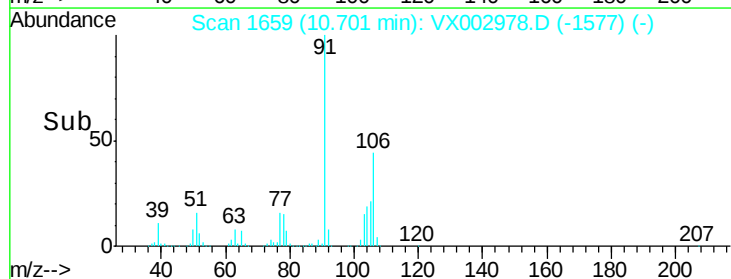
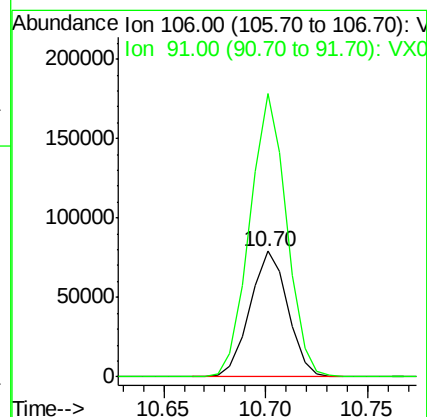
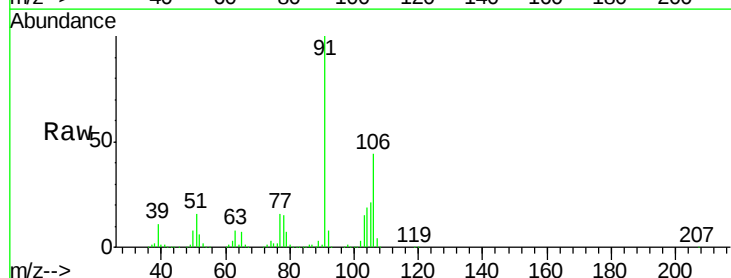
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

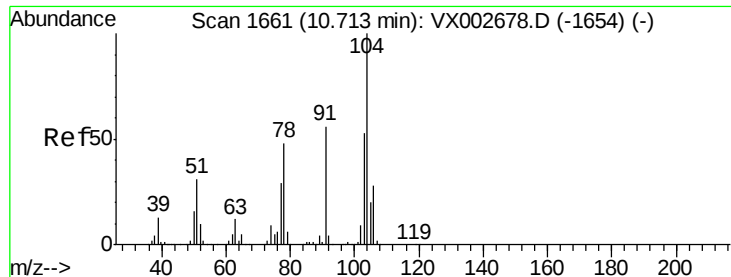
Tot Ion:106 Resp: 216211
Ion Ratio Lower Upper
106 100
91 203.7 164.1 246.1



#68
o-Xylene
Concen: 20.28 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002978.D
Acq: 28 Jun 2018 11:06

Tgt Ion:106 Resp: 102571
Ion Ratio Lower Upper
106 100
91 217.8 109.1 327.3

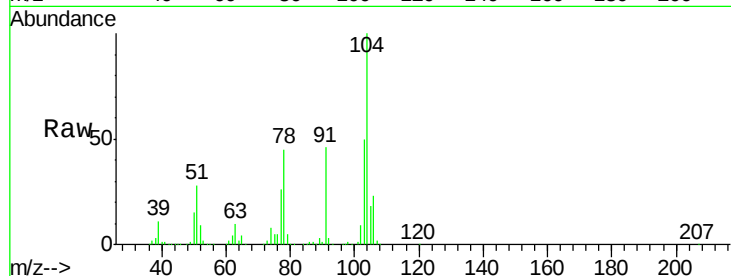




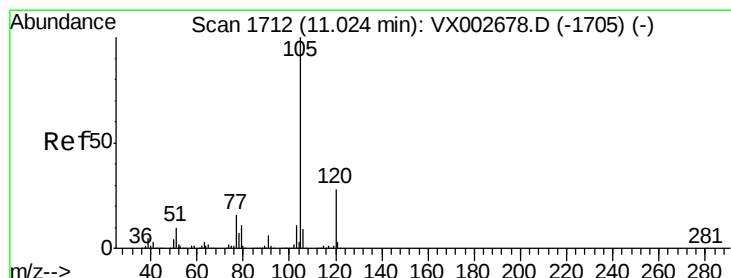
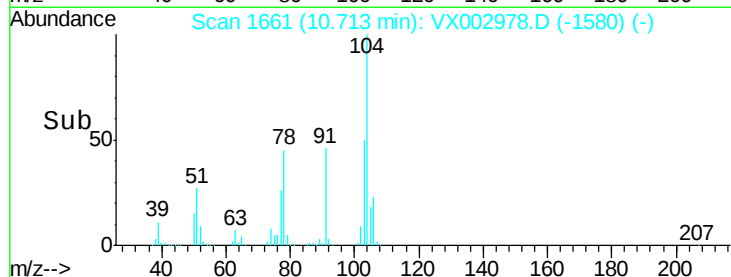
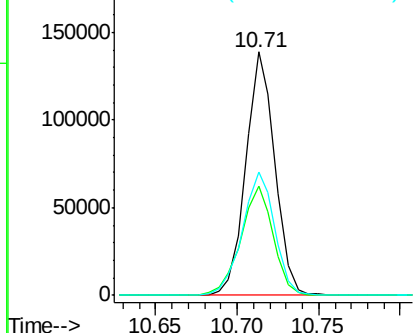
#69
Stvrene
Concen: 20.54 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VX002978.D
Acq: 28 Jun 2018 11:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.8	41.8	62.8
103	56.0	44.9	67.3

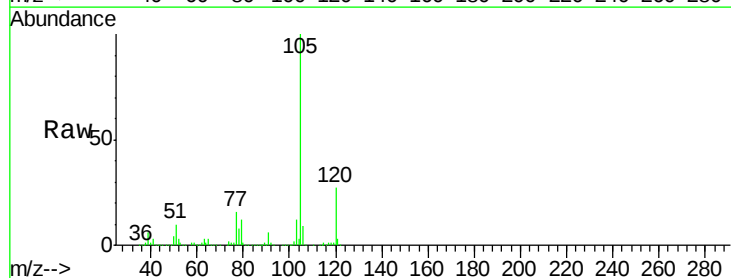


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

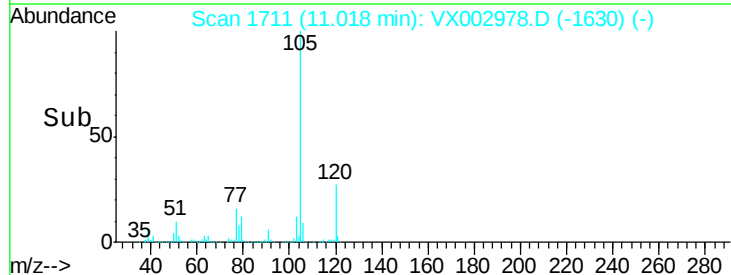
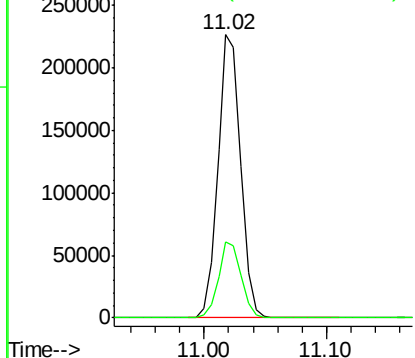


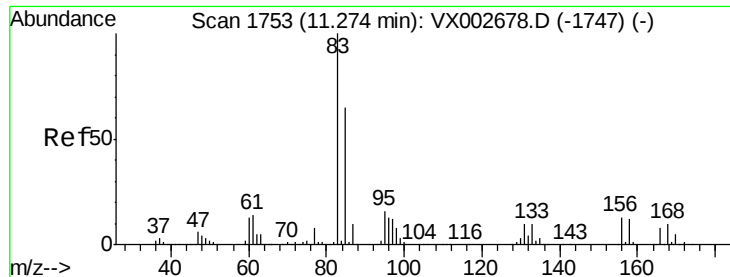
#70
Isopropylbenzene
Concen: 20.91 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. -0.01 min
Lab File: VX002978.D
Acq: 28 Jun 2018 11:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	19.0	35.2



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

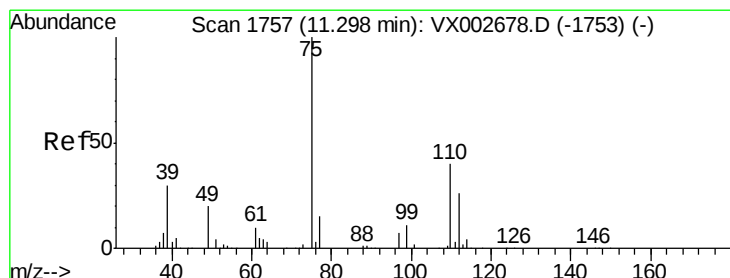
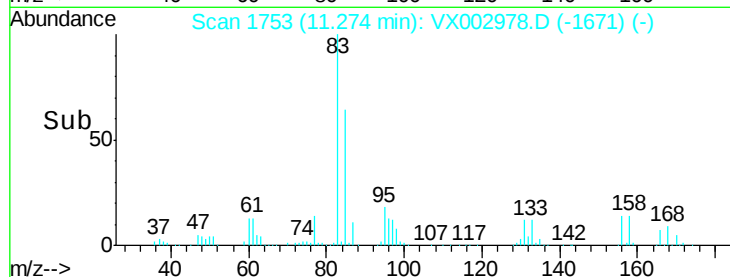
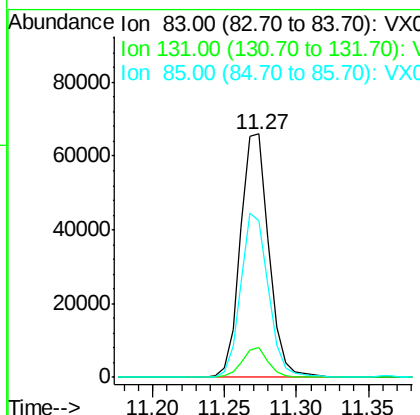
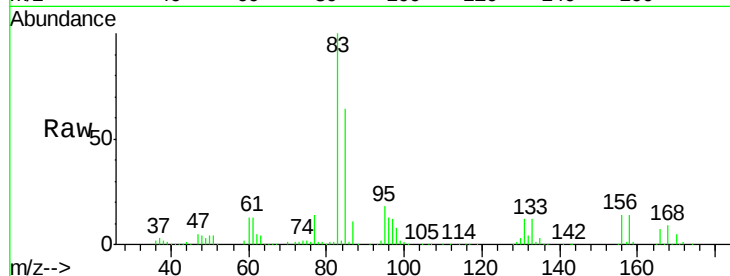




#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.64 ug/l
 RT: 11.27 min Scan# 1753
 Delta R.T. -0.00 min
 Lab File: VX002978.D
 Acq: 28 Jun 2018 11:06

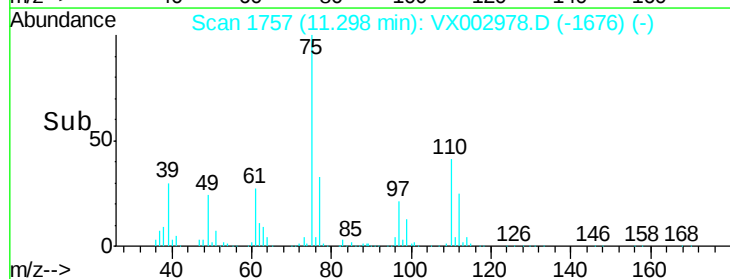
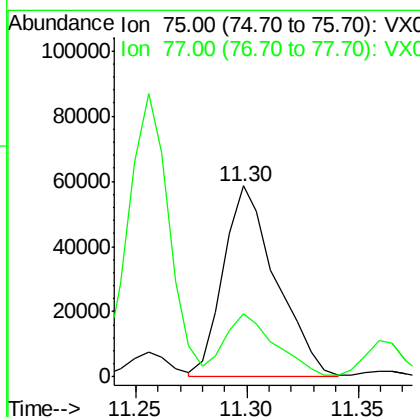
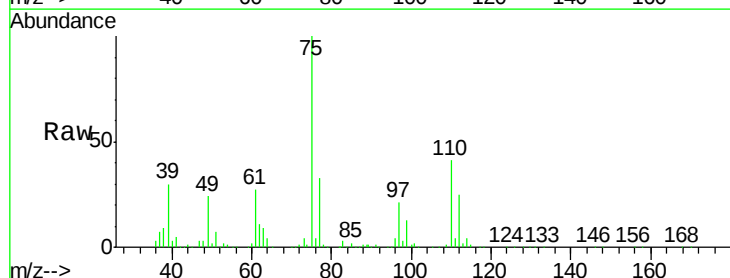
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

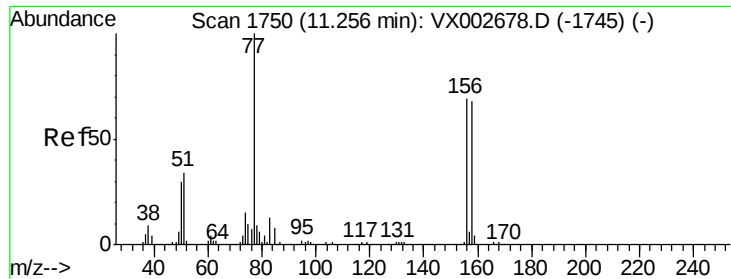
Tot Ion	83	Resp	90258
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.4	16.2
85	65.9	32.4	97.2



#72
 1,2,3-Trichloropropane
 Concen: 26.69 ug/l
 RT: 11.30 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VX002978.D
 Acq: 28 Jun 2018 11:06

Tgt Ion	75	Resp	96474
Ion Ratio	Lower	Upper	
75	100		
77	32.1	0.0	71.8

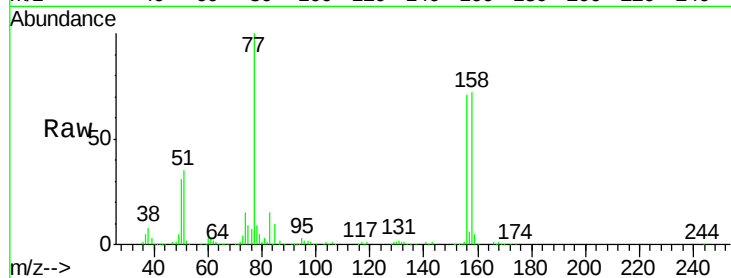




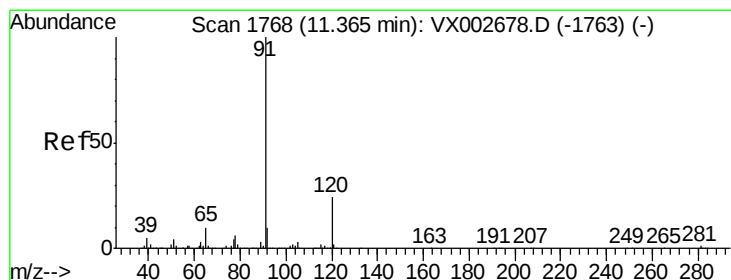
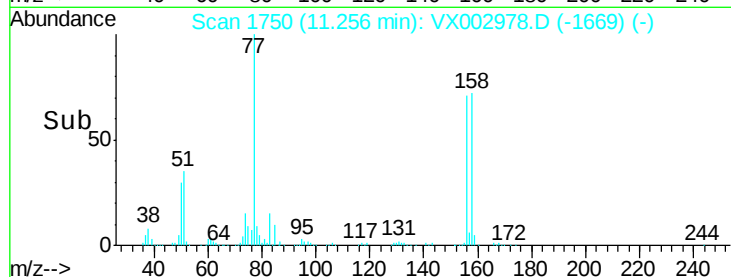
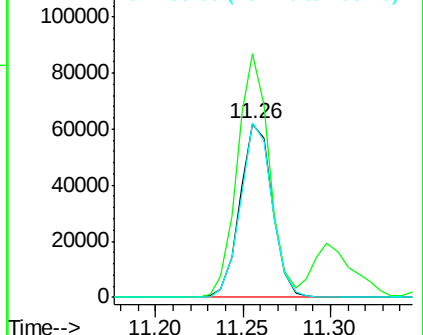
#73
Bromobenzene
Concen: 20.44 ug/l
RT: 11.26 min Scan# 1750
Delta R.T. -0.01 min
Lab File: VX002978.D
Acq: 28 Jun 2018 11:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion:156 Resp: 79290
Ion Ratio Lower Upper
156 100
77 138.8 0.0 301.0
158 98.5 0.0 196.2

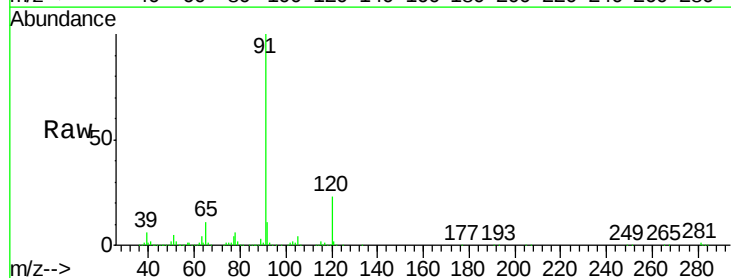


Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 158.00 (157.70 to 158.70): V

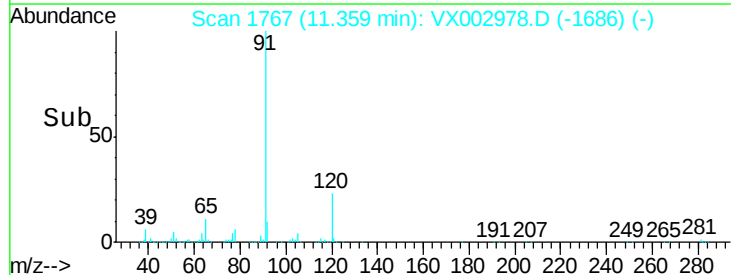
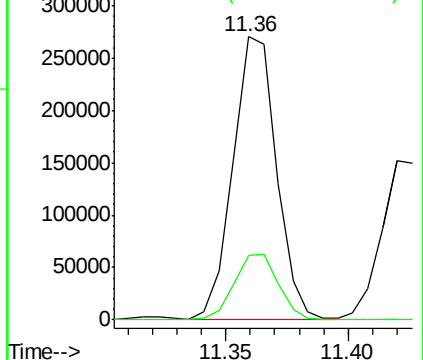


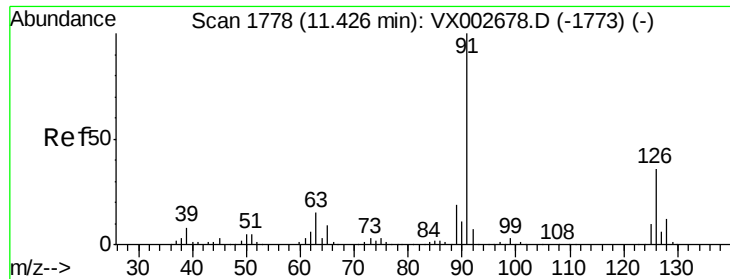
#74
n-propylbenzene
Concen: 20.60 ug/l
RT: 11.36 min Scan# 1767
Delta R.T. -0.01 min
Lab File: VX002978.D
Acq: 28 Jun 2018 11:06

Tgt Ion: 91 Resp: 333596
Ion Ratio Lower Upper
91 100
120 23.6 0.0 46.2



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





#75

2-Chlorotoluene

Concen: 20.97 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX002978.D

Acq: 28 Jun 2018 11:06

Instrument :

MSVOA_X

ClientSampleId :

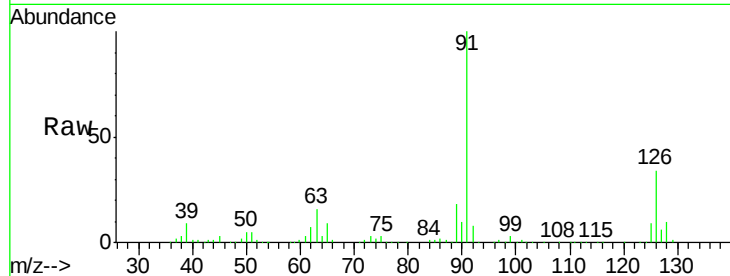
VSTDCCC020

Tot Ion: 91 Resp: 197636

Ion Ratio Lower Upper

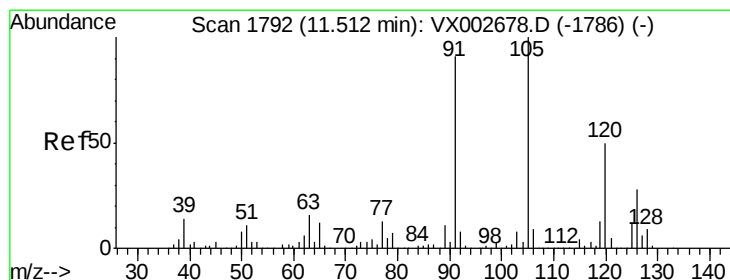
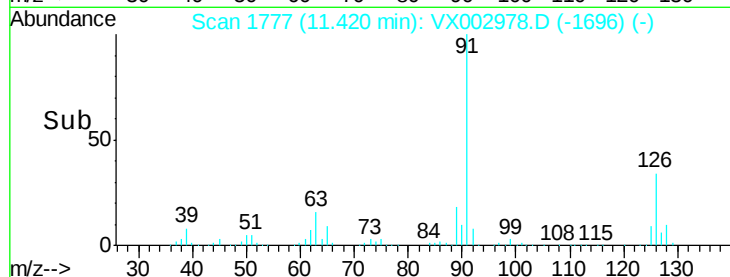
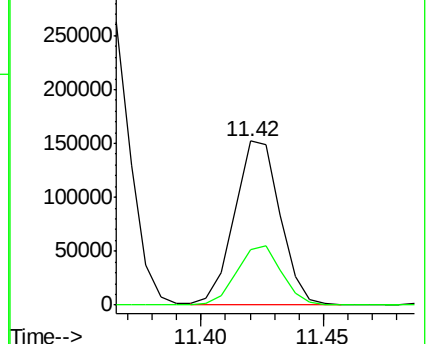
91 100

126 36.0 0.0 69.4



Abundance Ion 91.00 (90.70 to 91.70): VX002678.D (-1773) (-)

Ion 126.00 (125.70 to 126.70): VX002678.D (-1773) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.71 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX002978.D

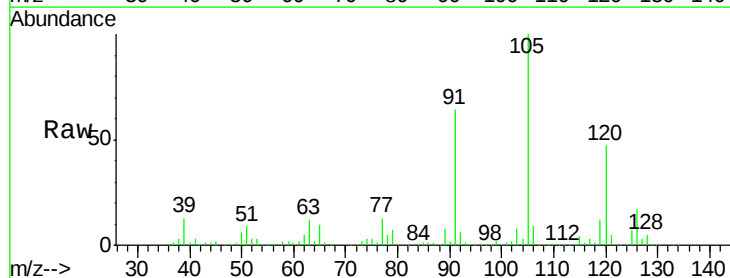
Acq: 28 Jun 2018 11:06

Tgt Ion: 105 Resp: 245340

Ion Ratio Lower Upper

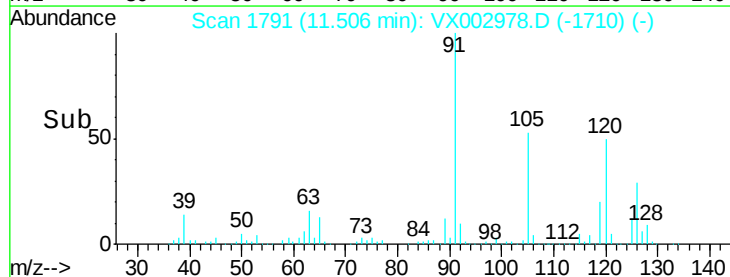
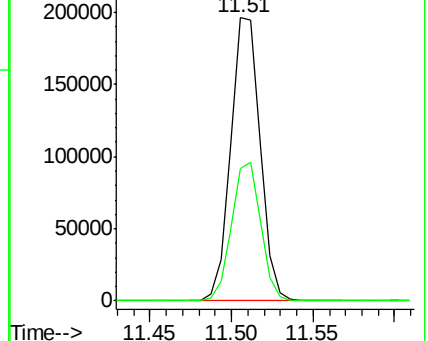
105 100

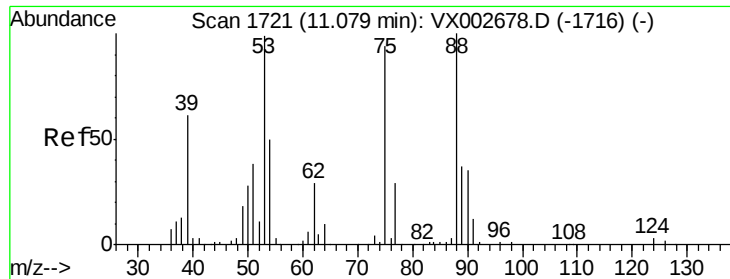
120 48.5 0.0 96.8



Abundance Ion 105.00 (104.70 to 105.70): VX002678.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX002678.D (-1786) (-)

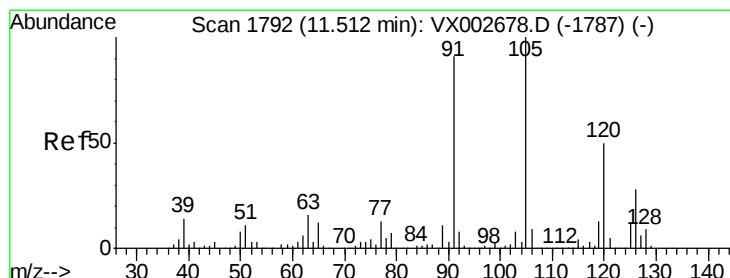
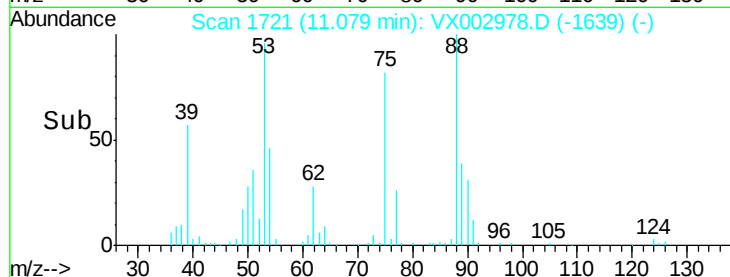
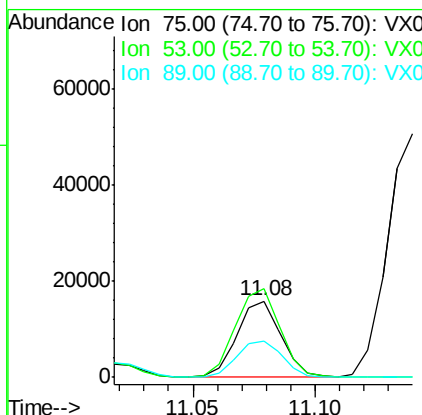
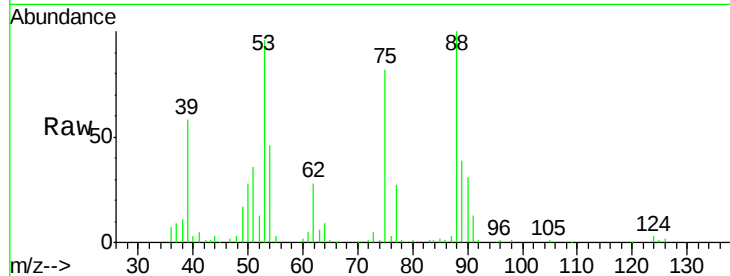




#77
t-1,4-Dichloro-2-butene
Concen: 17.19 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX002978.D
Acq: 28 Jun 2018 11:06

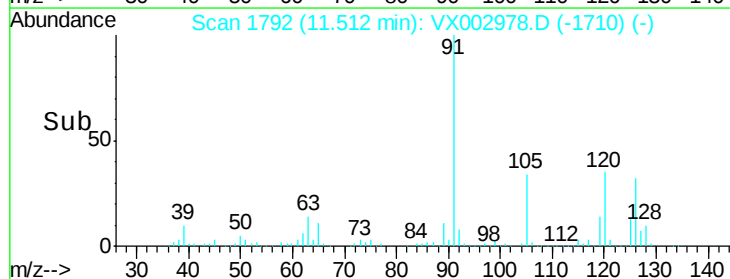
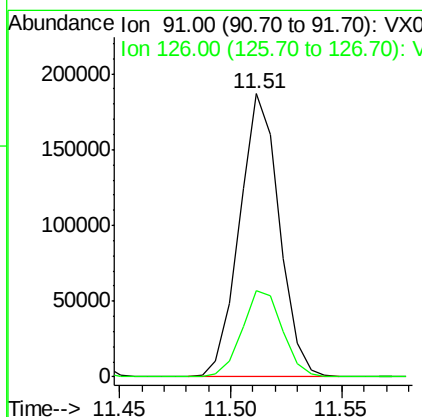
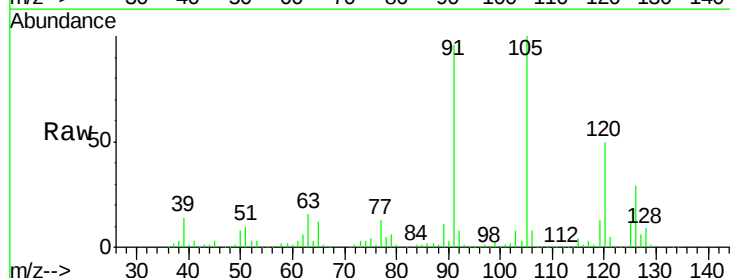
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

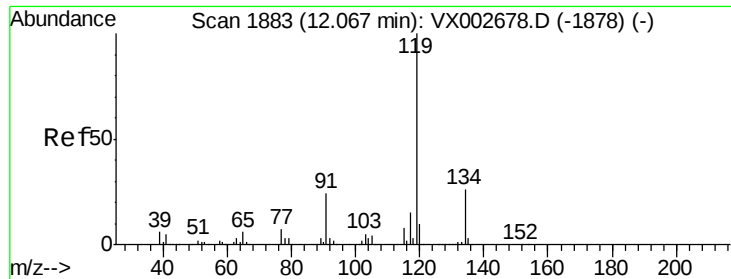
Tot Ion: 75 Resp: 19987
Ion Ratio Lower Upper
75 100
53 115.4 48.3 144.9
89 47.4 21.8 65.4



#78
4-Chlorotoluene
Concen: 20.75 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX002978.D
Acq: 28 Jun 2018 11:06

Tgt Ion: 91 Resp: 231673
Ion Ratio Lower Upper
91 100
126 31.2 0.0 61.0

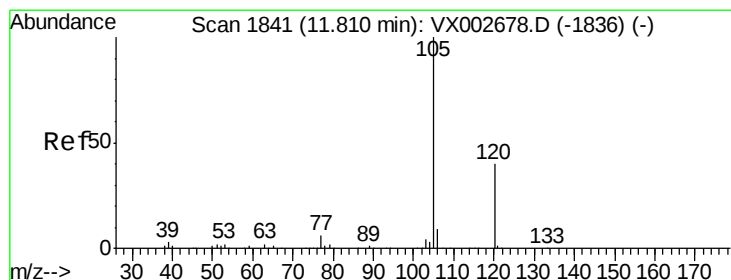
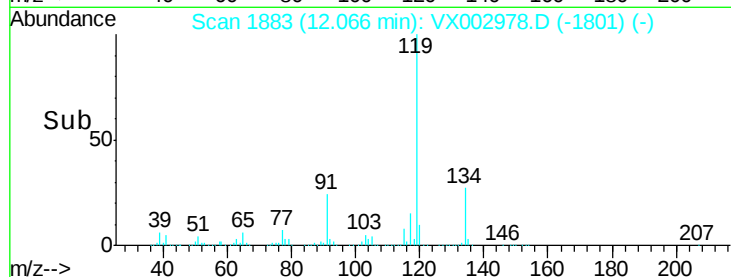
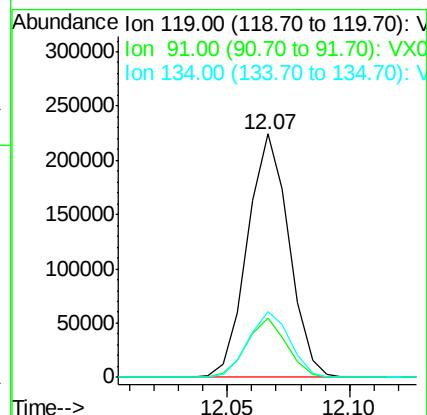
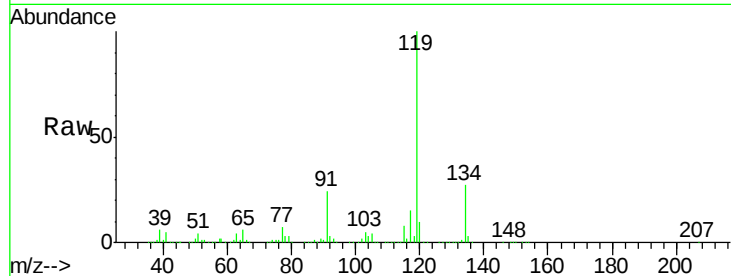




#79
tert-butylbenzene
Concen: 20.18 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX002978.D
Acq: 28 Jun 2018 11:06

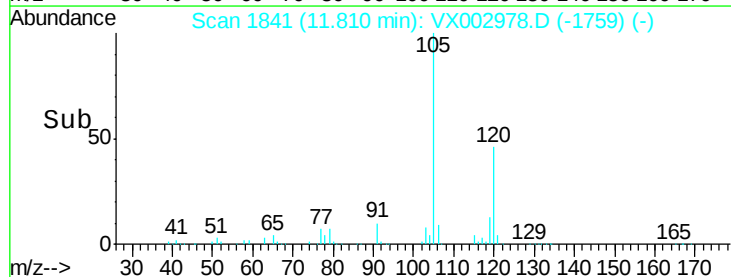
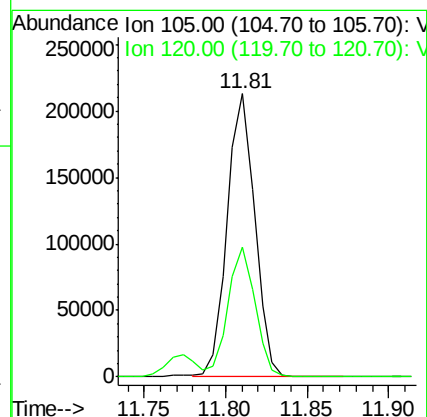
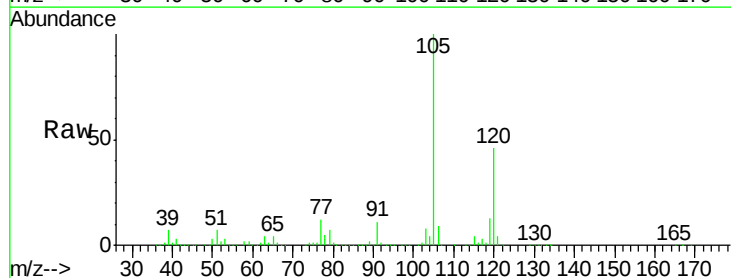
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

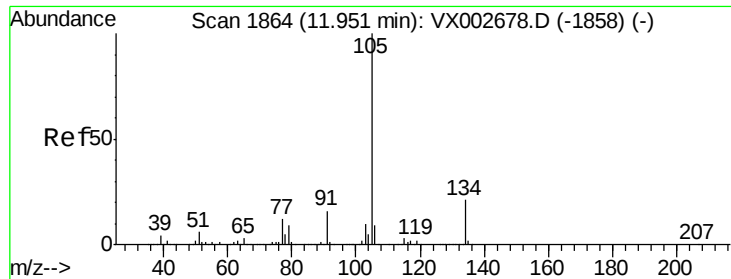
Tot Ion	Ratio	Lower	Upper
119	100		
91	23.5	0.0	48.0
134	27.2	0.0	52.6



#80
1,2,4-Trimethylbenzene
Concen: 20.76 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX002978.D
Acq: 28 Jun 2018 11:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	0.0	89.2





#81

sec-Butylbenzene

Concen: 20.38 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002978.D

Acq: 28 Jun 2018 11:06

Instrument :

MSVOA_X

ClientSampled :

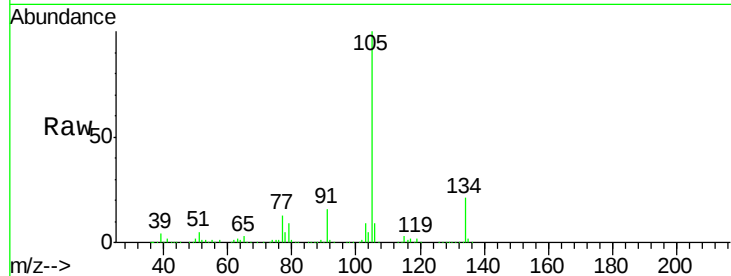
VSTDCCC020

Tot Ion:105 Resp: 295317

Ion Ratio Lower Upper

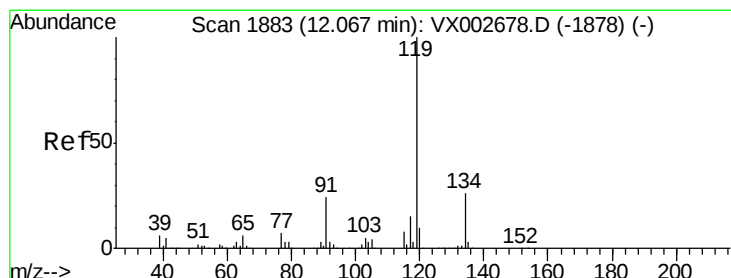
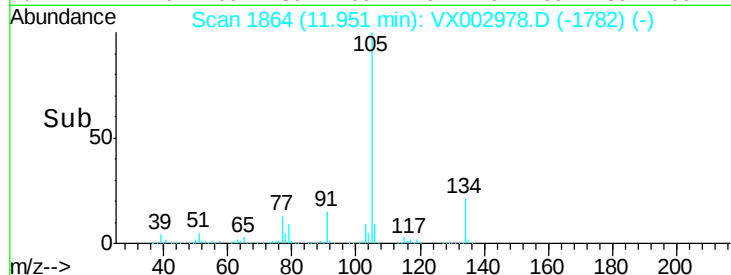
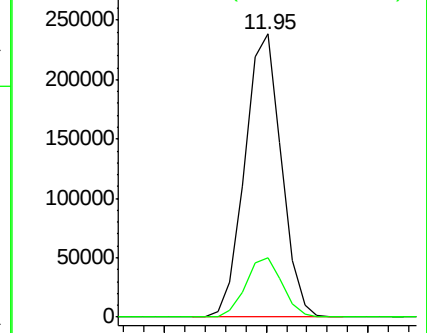
105 100

134 21.1 0.0 41.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 20.18 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002978.D

Acq: 28 Jun 2018 11:06

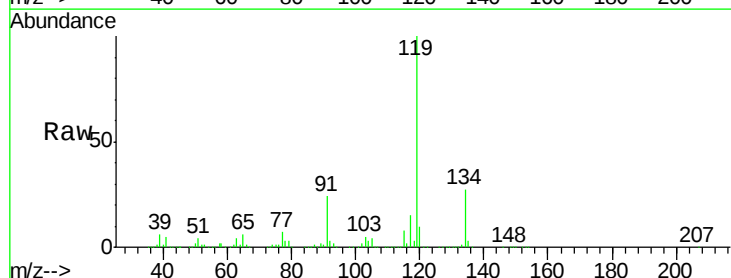
Tgt Ion:119 Resp: 263624

Ion Ratio Lower Upper

119 100

134 27.2 0.0 52.6

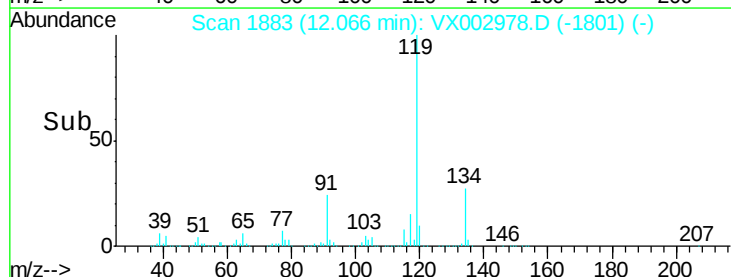
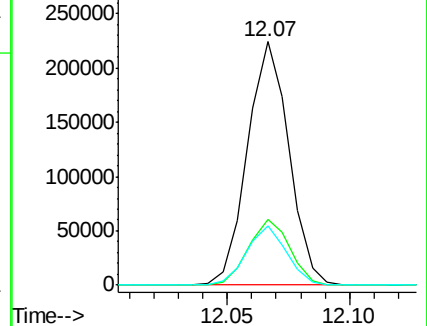
91 23.5 0.0 48.0

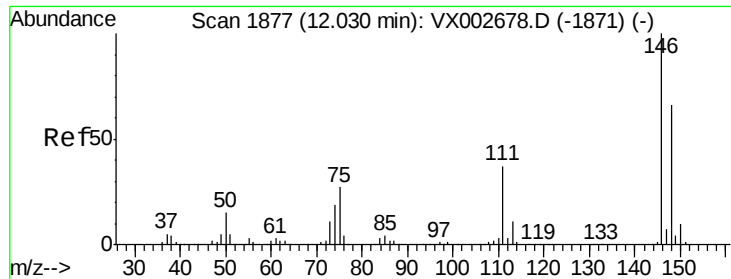


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

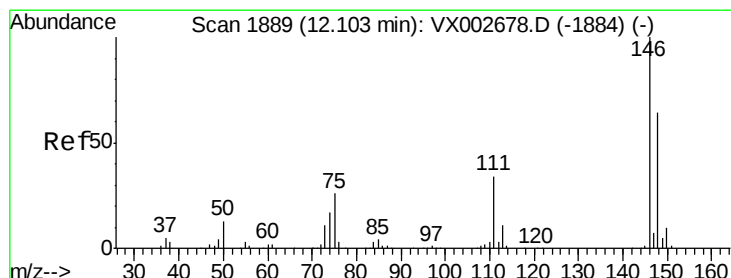
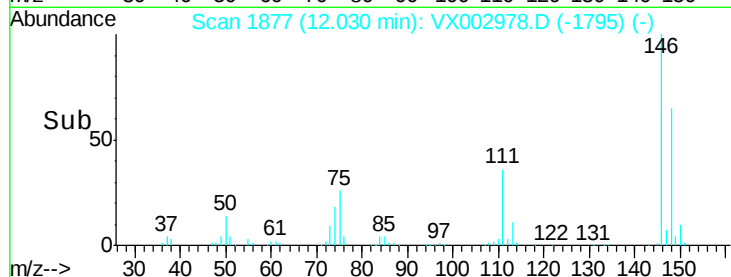
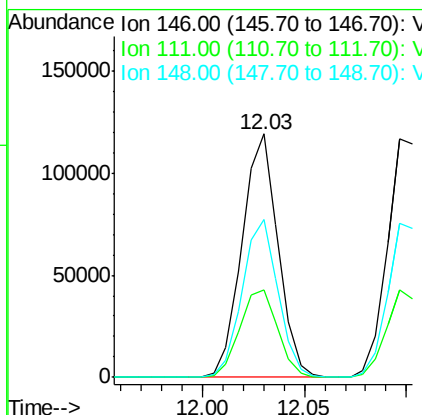
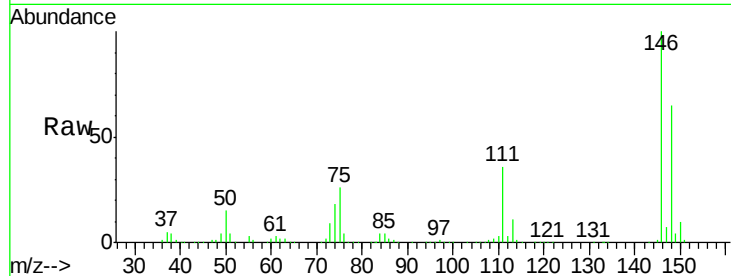




#83
 1,3-Dichlorobenzene
 Concen: 20.46 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002978.D
 Acq: 28 Jun 2018 11:06

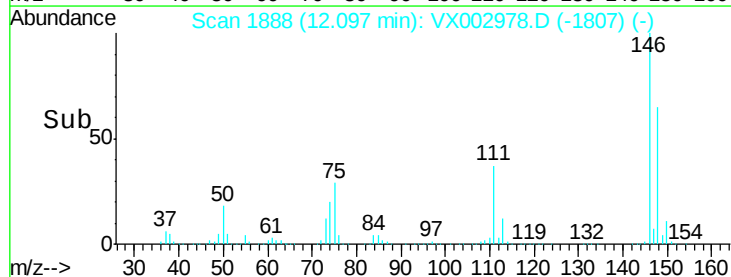
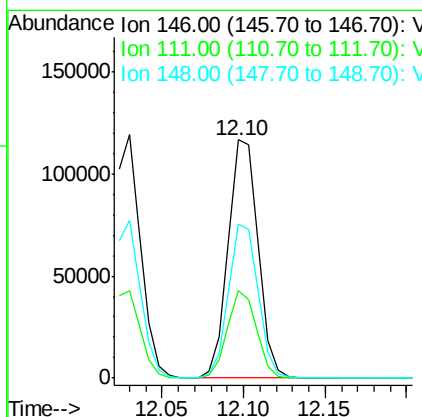
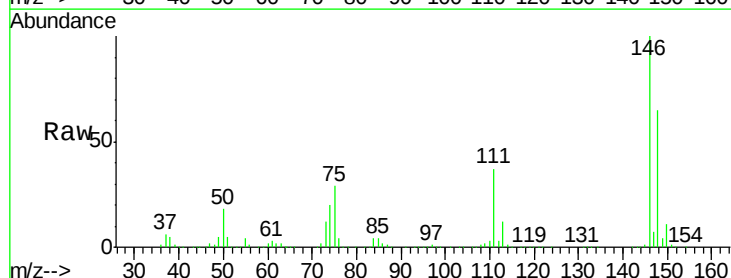
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

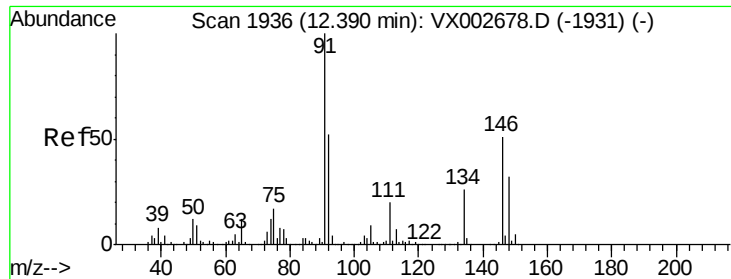
Tot Ion:146 Resp: 146091
 Ion Ratio Lower Upper
 146 100
 111 37.9 19.1 57.5
 148 64.7 31.9 95.7



#84
 1,4-Dichlorobenzene
 Concen: 20.67 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VX002978.D
 Acq: 28 Jun 2018 11:06

Tgt Ion:146 Resp: 149004
 Ion Ratio Lower Upper
 146 100
 111 35.6 18.5 55.5
 148 64.0 32.0 96.0

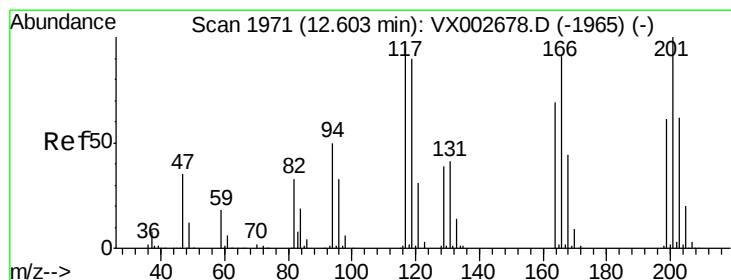
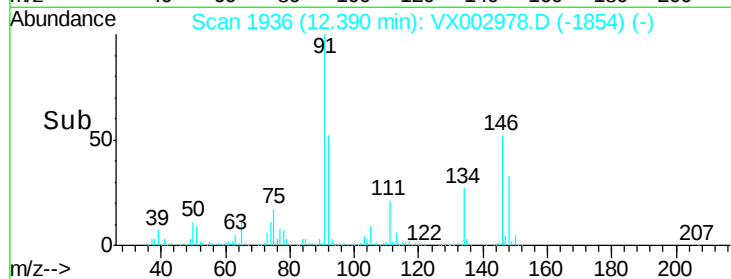
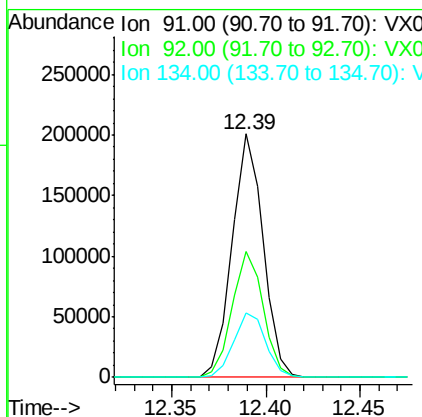
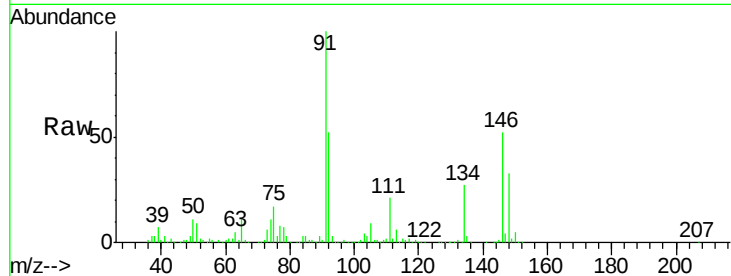




#85
n-Butylbenzene
Concen: 19.79 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002978.D
Acq: 28 Jun 2018 11:06

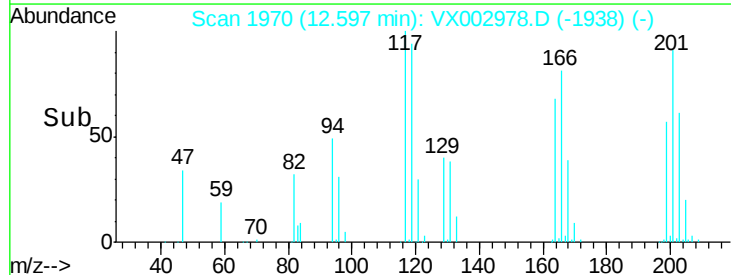
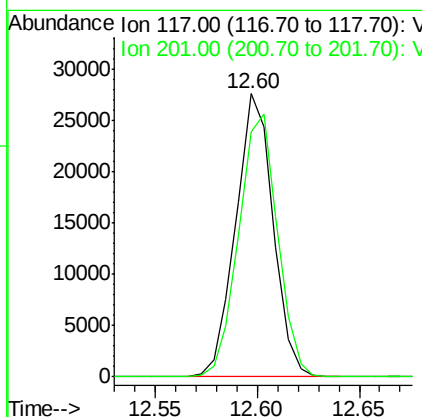
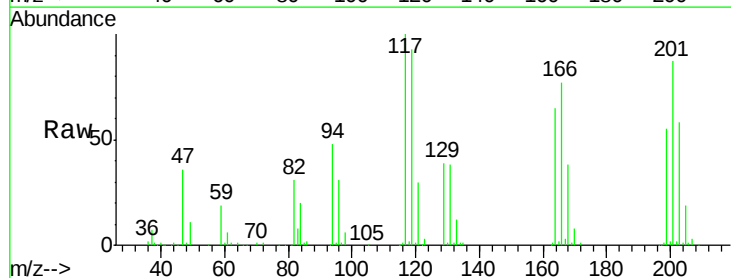
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020

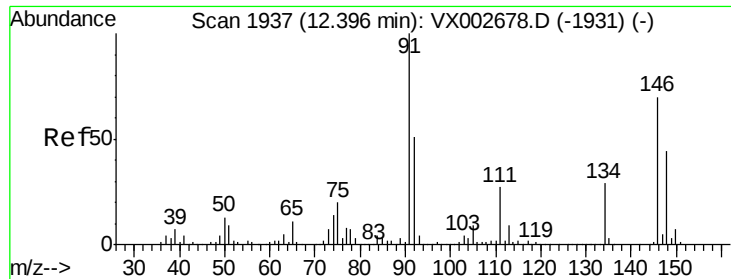
Tot Ion: 91 Resp: 229157
Ion Ratio Lower Upper
91 100
92 51.5 0.0 105.2
134 27.5 0.0 53.2



#86
Hexachloroethane
Concen: 17.75 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.01 min
Lab File: VX002978.D
Acq: 28 Jun 2018 11:06

Tgt Ion: 117 Resp: 35154
Ion Ratio Lower Upper
117 100
201 96.4 47.6 142.8

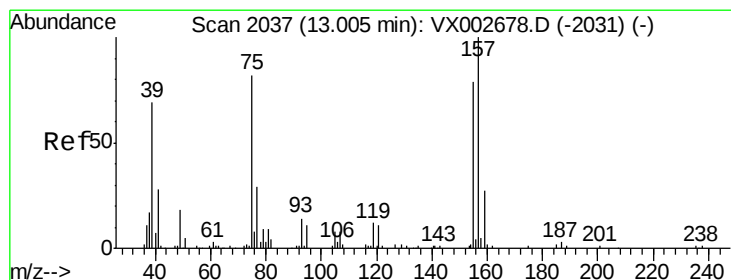
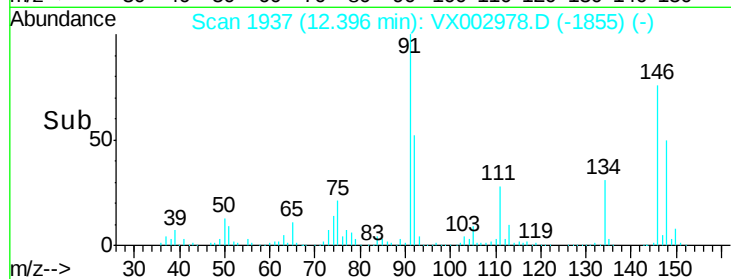
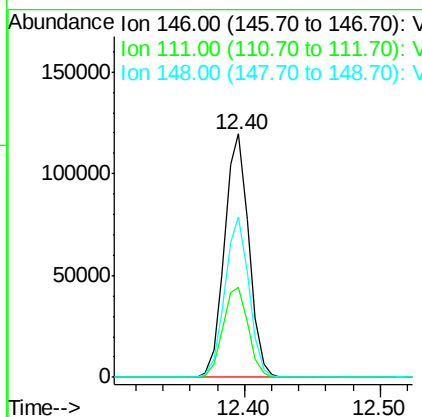
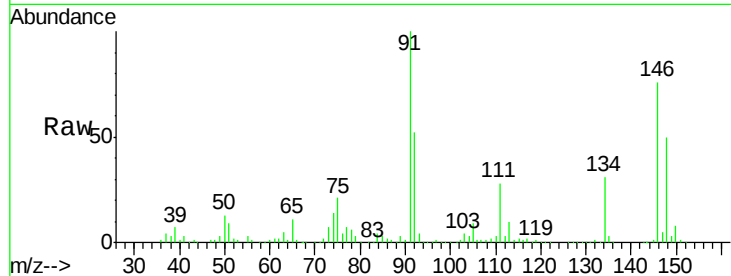




#87
 1,2-Dichlorobenzene
 Concen: 20.56 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002978.D
 Acq: 28 Jun 2018 11:06

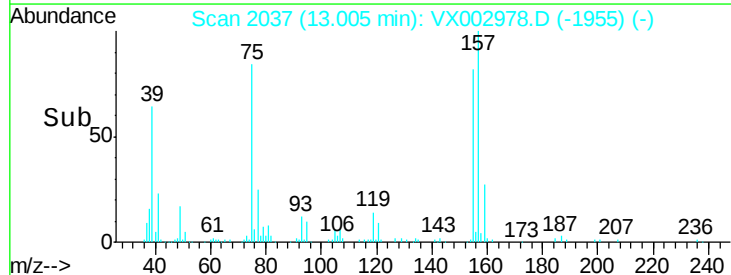
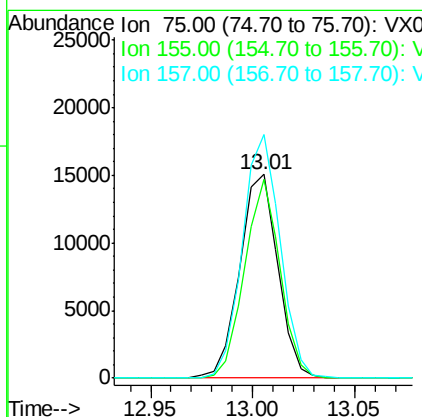
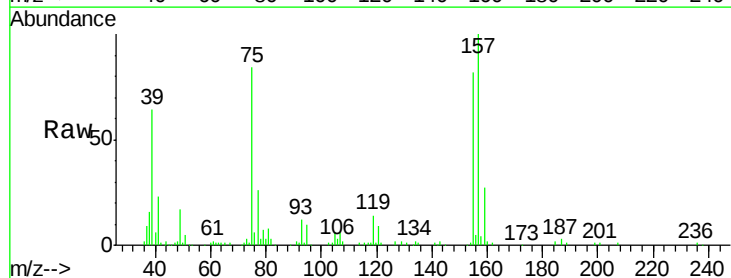
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

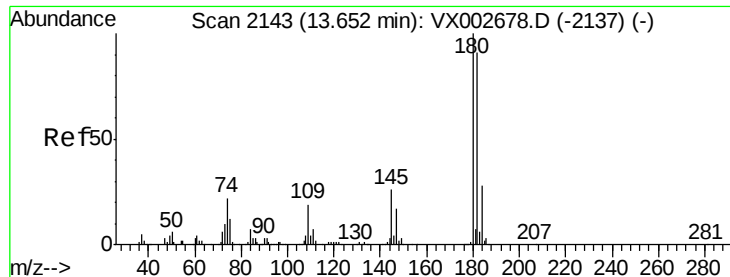
Tot Ion:146 Resp: 148223
 Ion Ratio Lower Upper
 146 100
 111 38.2 20.0 59.9
 148 65.0 32.8 98.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 21.05 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002978.D
 Acq: 28 Jun 2018 11:06

Tgt Ion: 75 Resp: 19609
 Ion Ratio Lower Upper
 75 100
 155 90.3 73.1 109.7
 157 118.0 93.1 139.7

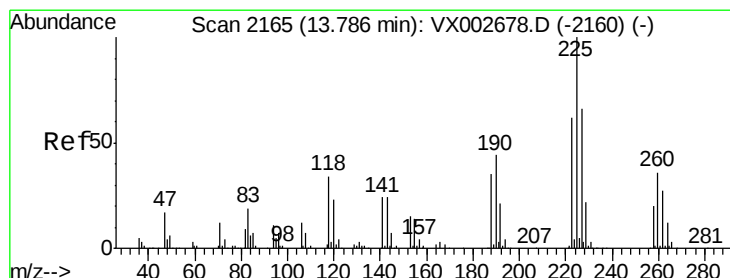
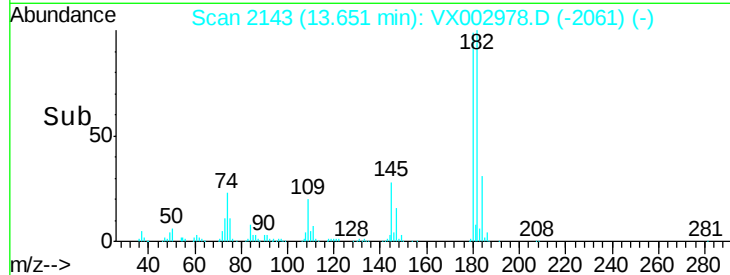
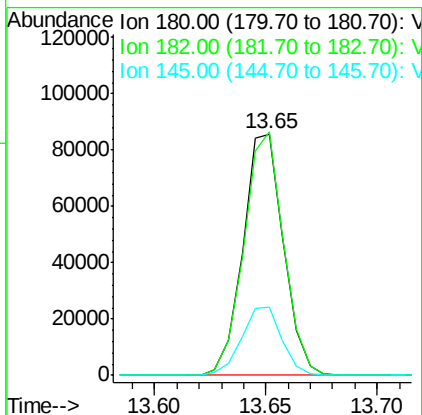
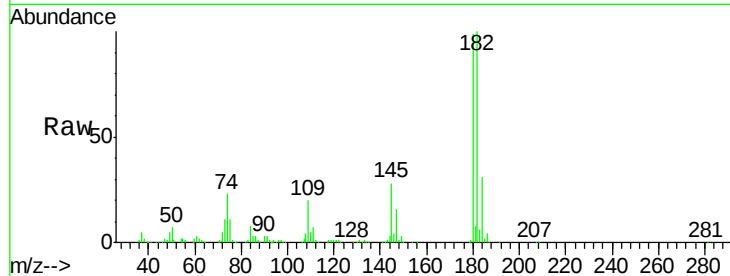




#89
 1,2,4-Trichlorobenzene
 Concen: 20.03 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002978.D
 Acq: 28 Jun 2018 11:06

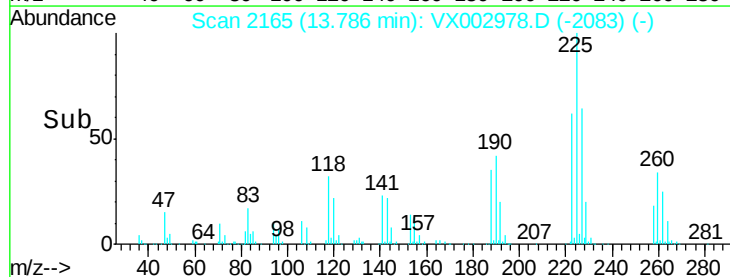
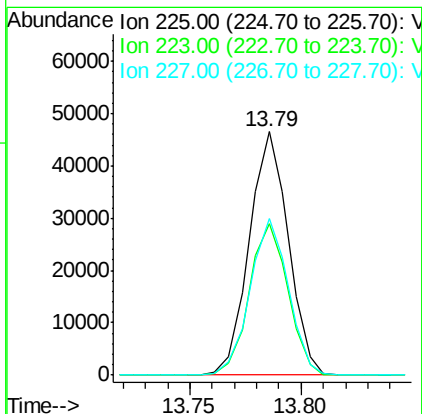
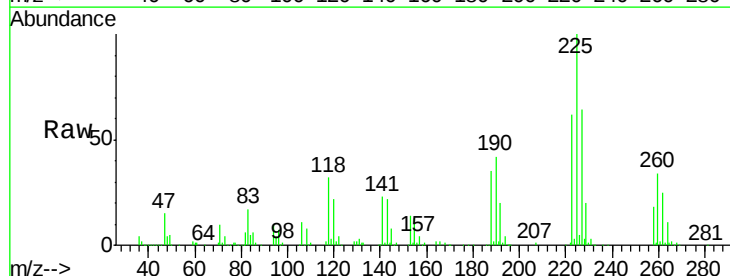
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

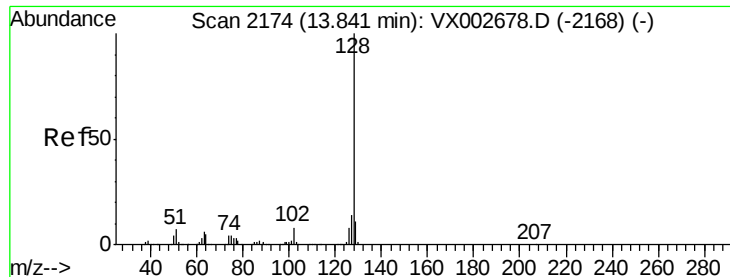
Tot Ion	Ratio	Lower	Upper
180	100		
182	98.4	76.4	114.6
145	28.1	22.9	34.3



#90
 Hexachlorobutadiene
 Concen: 20.10 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002978.D
 Acq: 28 Jun 2018 11:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	0.0	122.4
227	62.8	0.0	128.0





#91

Naphthalene

Concen: 20.55 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002978.D

Acq: 28 Jun 2018 11:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

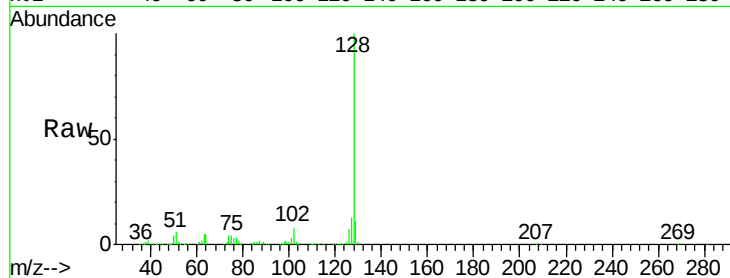
Tot Ion:128 Resp: 296429

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

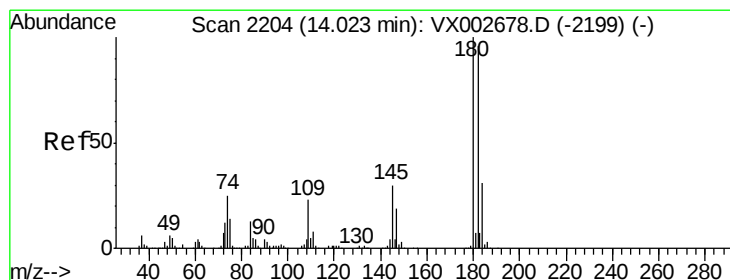
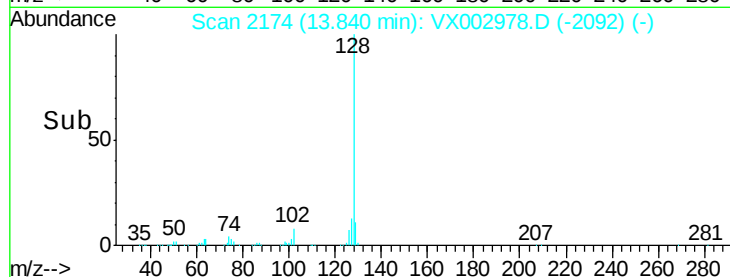
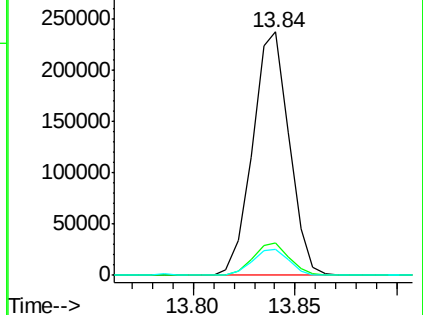
129 10.8 8.9 13.3



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: 20.58 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002978.D

Acq: 28 Jun 2018 11:06

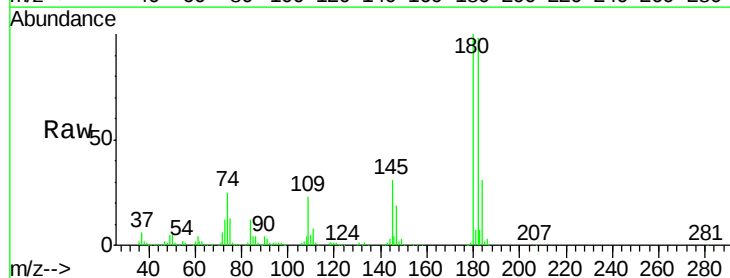
Tgt Ion:180 Resp: 111398

Ion Ratio Lower Upper

180 100

182 97.2 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

