

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051818\
 Data File : VX001819.D
 Acq On : 18 May 2018 10:29
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Quant Time: May 18 14:13:38 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X051818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 18 10:06:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	60665	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	302749	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	238562	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	116503	29.71	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.03%
60) 4-Bromofluorobenzene	11.14	95	109954	31.00	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.33%
63) Toluene-d8	8.72	98	365397	30.31	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.03%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	57132	34.14	ug/l	97
3) Chloromethane	1.32	50	67532	21.17	ug/l	99
4) Vinyl Chloride	1.40	62	65364	23.59	ug/l	100
5) Bromomethane	1.64	94	40647	22.36	ug/l	97
6) Chloroethane	1.73	64	45028	21.88	ug/l	97
7) Trichlorofluoromethane	1.93	101	92222	29.83	ug/l	100
8) Diethyl Ether	2.19	74	42863	19.73	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	57074	32.66	ug/l	99
10) 1,1-Dichloroethene	2.37	96	53395	24.95	ug/l	99
11) Methyl Iodide	2.51	142	69928	20.67	ug/l	97
12) Methyl Acetate	2.78	43	101944	19.60	ug/l	99
13) Acrolein	2.29	56	55906	90.06	ug/l	98
14) Acrylonitrile	3.15	53	190287	96.10	ug/l	99
15) Acetone	2.45	58	52676	97.43	ug/l	93
16) Carbon Disulfide	2.57	76	128621	24.03	ug/l	100
17) Allyl chloride	2.73	41	98342	20.56	ug/l	98
18) Methylene Chloride	2.86	84	65822	19.99	ug/l	96
19) trans-1,2-Dichloroethene	3.17	96	58924	22.32	ug/l	97
20) Diisopropyl ether	3.88	45	209838	20.15	ug/l	99
21) 1,1-Dichloroethane	3.70	63	111975	21.00	ug/l	98
22) cis-1,2-Dichloroethene	4.60	96	71700	20.93	ug/l	98
23) tert-Butyl Alcohol	3.08	59	81289	98.74	ug/l	# 100
24) Methyl tert-Butyl Ether	3.21	73	200569	19.69	ug/l	100
25) Chloroform	5.22	83	118318	20.82	ug/l	99
26) Cyclohexane	5.57	56	97326	33.52	ug/l	# 99
29) 1,1-Dichloropropene	5.80	75	80419	23.42	ug/l	98
30) 2-Butanone	4.71	43	264216	85.31	ug/l	99
31) 2,2-Dichloropropane	4.59	77	33467	15.41	ug/l	100
32) 1,1,1-Trichloroethane	5.50	97	96373	21.17	ug/l	98
33) Carbon Tetrachloride	5.79	117	85509	23.53	ug/l	97
34) Benzene	6.15	78	264981	19.32	ug/l	99
35) Methacrylonitrile	5.07	41	56551	17.16	ug/l	96
36) 1,2-Dichloroethane	6.20	62	95936	17.90	ug/l	99
37) Trichloroethene	7.22	130	78485	20.93	ug/l	99
38) Methylcyclohexane	7.46	83	97115	30.67	ug/l	98
39) 1,2-Dichloropropane	7.52	63	66088	18.08	ug/l	99
40) Dibromomethane	7.67	93	46794	17.86	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	83143	18.01	ug/l	95
42) Vinyl Acetate	3.83	43	698392	83.22	ug/l	100
43) Ethyl Acetate	4.87	43	101579	17.21	ug/l	99
44) Isopropyl Acetate	6.48	43	149892	17.51	ug/l	98
45) 1,4-Dioxane	7.76	88	37418	357.50	ug/l	95
46) Methyl methacrylate	7.79	41	78759	17.49	ug/l	97
47) n-amyl Acetate	10.90	43	106268	17.94	ug/l	100
48) t-1,3-Dichloropropene	8.44	75	86540	17.82	ug/l	100
49) cis-1,3-Dichloropropene	9.05	75	73499	17.30	ug/l	97
50) 1,1,2-Trichloroethane	9.22	97	62867	17.47	ug/l	97
51) Ethyl methacrylate	9.19	69	86537	17.69	ug/l	98
52) 1,3-Dichloropropane	9.38	76	102837	18.02	ug/l	99
53) Dibromochloromethane	9.59	129	62774	17.94	ug/l	98
54) 1,2-Dibromoethane	9.68	107	64181	17.59	ug/l	100
55) 2-Chloroethyl vinyl ether	8.32	63	253471	88.71	ug/l	99
56) Bromoform	10.87	173	49415	17.28	ug/l	99
58) 4-Methyl-2-Pentanone	8.66	43	514955	86.35	ug/l	100
59) 2-Hexanone	9.51	43	334130	85.41	ug/l	99
61) Tetrachloroethene	9.34	164	83846	23.87	ug/l	97
62) Toluene	8.79	91	286941	20.83	ug/l	99
64) Chlorobenzene	10.15	112	164883	20.44	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.23	131	61152	18.79	ug/l	100
66) Ethyl Benzene	10.26	91	264299	23.08	ug/l	100
67) m/p-Xylenes	10.37	106	211922	46.29	ug/l	99
68) o-Xylene	10.71	106	103882	22.05	ug/l	99
69) Styrene	10.72	104	168271	21.42	ug/l	100
70) Isopropylbenzene	11.02	105	276134	24.98	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	85471	17.01	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	92318	19.31	ug/l	90
73) Bromobenzene	11.26	156	79334	20.24	ug/l	100
74) n-propylbenzene	11.37	91	297856	25.89	ug/l	100
75) 2-Chlorotoluene	11.43	91	182180	22.99	ug/l	98
76) 1,3,5-Trimethylbenzene	11.51	105	229958	25.02	ug/l	99
77) t-1,4-Dichloro-2-butene	11.08	75	16216	15.90	ug/l	92
78) 4-Chlorotoluene	11.52	91	207053	23.69	ug/l	99
79) tert-butylbenzene	12.07	119	247829	27.32	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	234416	24.69	ug/l	100
81) sec-Butylbenzene	11.95	105	270344	27.16	ug/l	100
82) p-Isopropyltoluene	12.07	119	247829	27.32	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	138800	22.73	ug/l	100
84) 1,4-Dichlorobenzene	12.10	146	138077	22.77	ug/l	99
85) n-Butylbenzene	12.40	91	184838	28.07	ug/l	99
86) Hexachloroethane	12.60	117	38287	25.32	ug/l	99
87) 1,2-Dichlorobenzene	12.40	146	142197	21.46	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.01	75	18068	16.96	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	100650	24.10	ug/l	99
90) Hexachlorobutadiene	13.79	225	54197	26.48	ug/l	97
91) Naphthalene	13.84	128	293617	20.18	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	108738	23.14	ug/l	99

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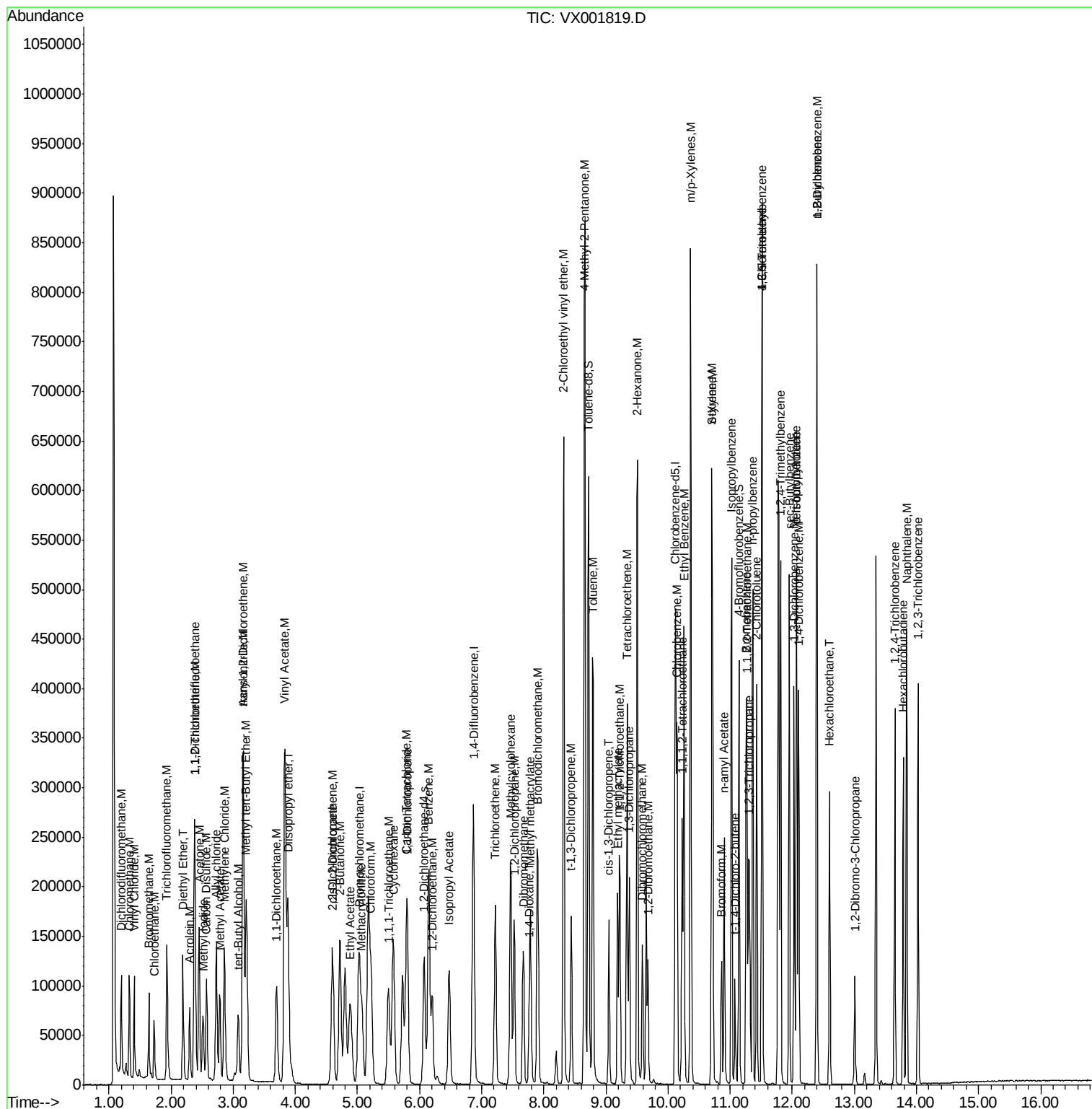
Instrument :
MSVOA_X
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VSTDCCC020EC

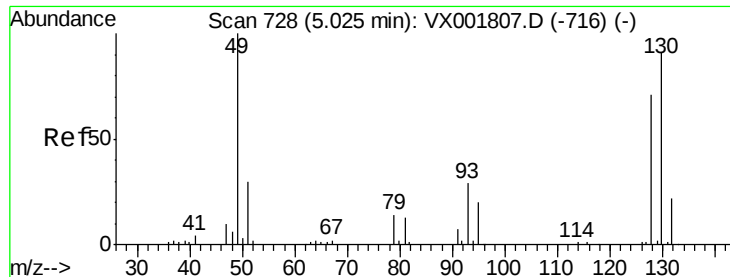
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.03 min Scan# 728

Delta R.T. 0.00 min

Lab File: VX001819.D

Acq: 18 May 2018 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

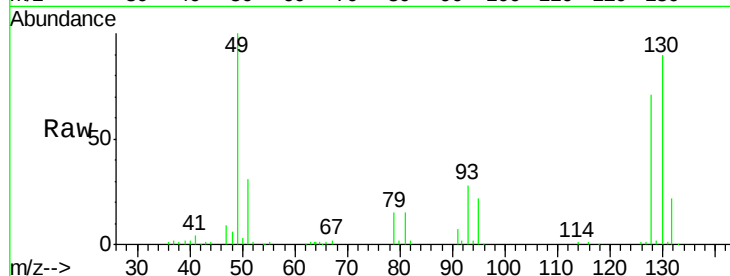
Tot Ion:128 Resp: 60665

Ion Ratio Lower Upper

128 100

49 141.3 0.0 352.3

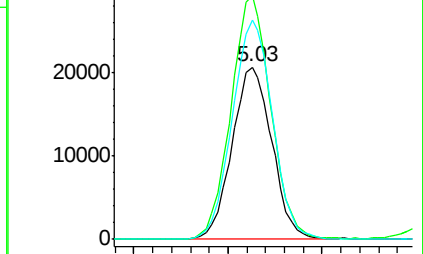
130 129.0 0.0 323.5



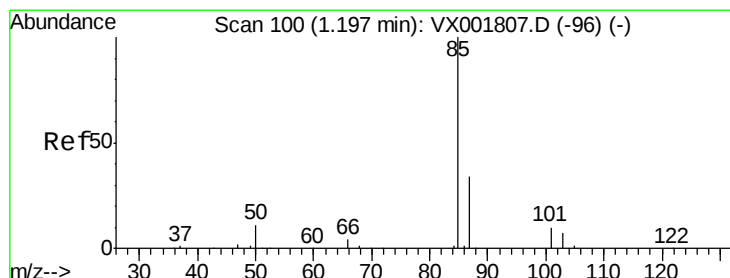
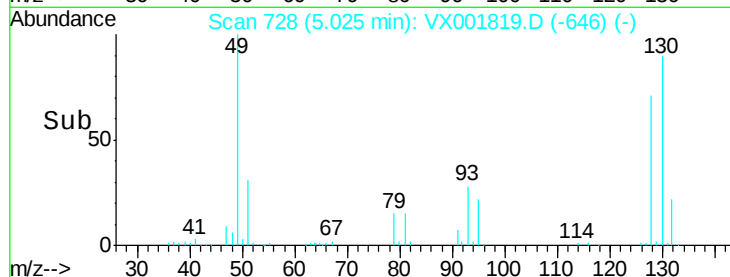
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 34.14 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001819.D

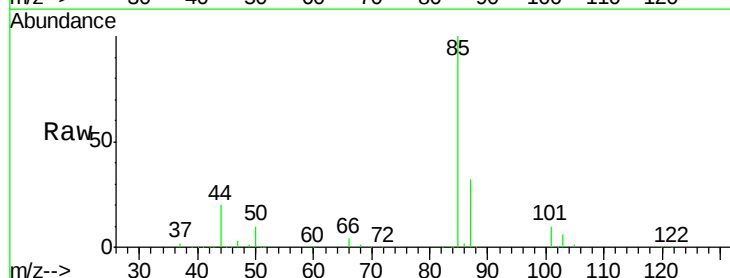
Acq: 18 May 2018 10:29

Tgt Ion: 85 Resp: 57132

Ion Ratio Lower Upper

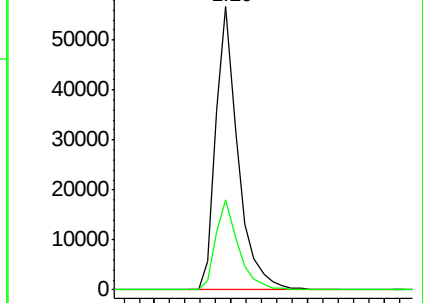
85 100

87 31.8 16.9 50.7

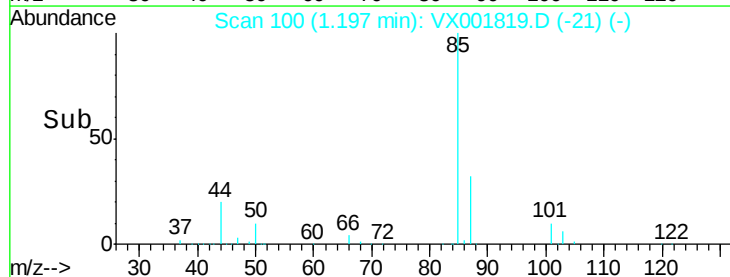


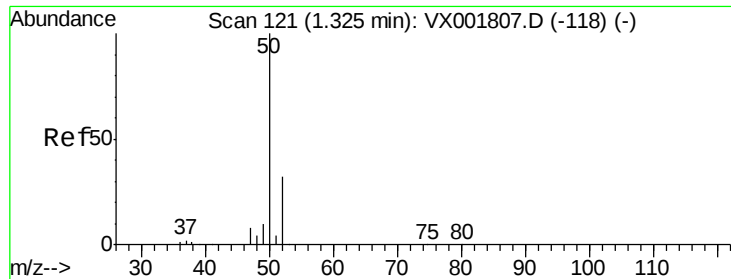
Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



Time-->





#3

Chloromethane

Concen: 21.17 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001819.D

Acq: 18 May 2018 10:29

Instrument :

MSVOA_X

ClientSampleId :

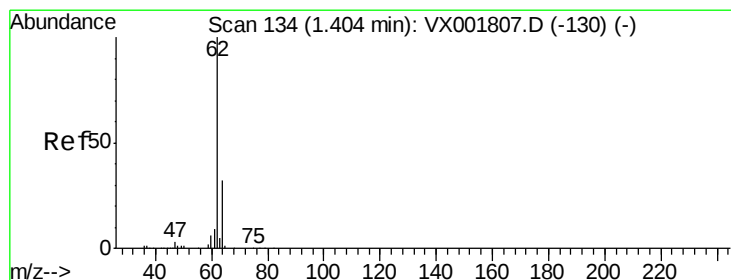
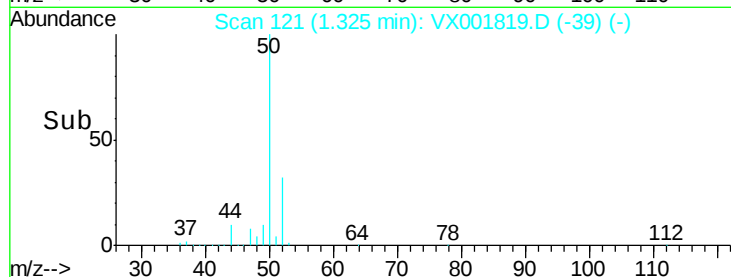
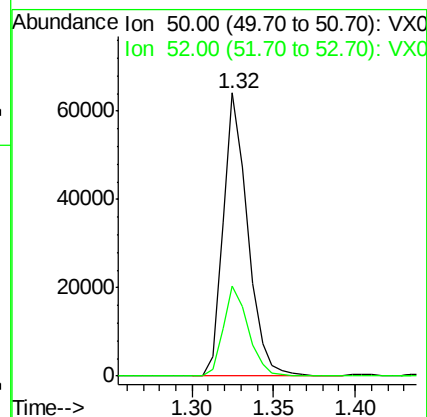
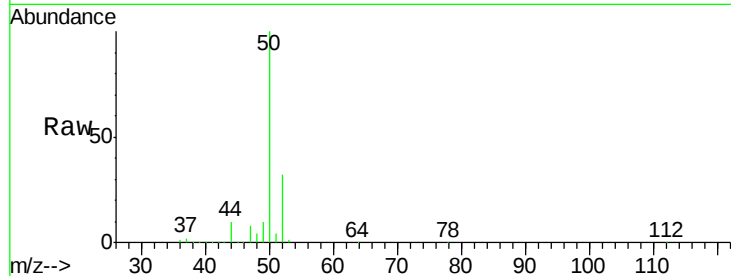
VSTDCCC020EC

Tot Ion: 50 Resp: 67532

Ion Ratio Lower Upper

50 100

52 31.9 26.0 39.0



#4

Vinyl Chloride

Concen: 23.59 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001819.D

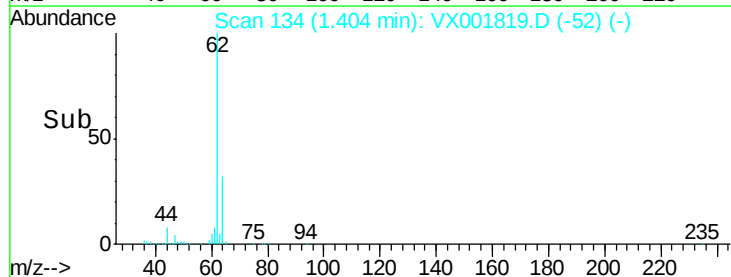
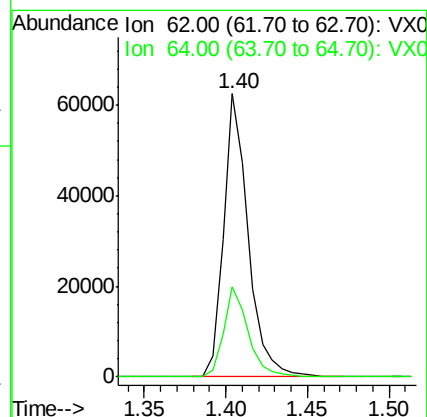
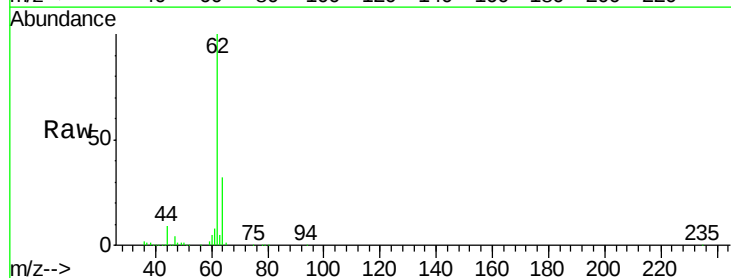
Acq: 18 May 2018 10:29

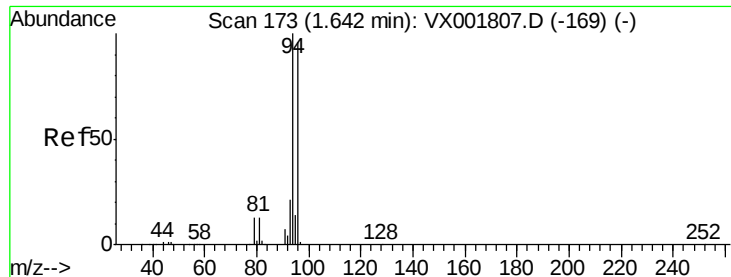
Tgt Ion: 62 Resp: 65364

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.2





#5

Bromomethane

Concen: 22.36 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX001819.D

Acq: 18 May 2018 10:29

Instrument :

MSVOA_X

ClientSampleId :

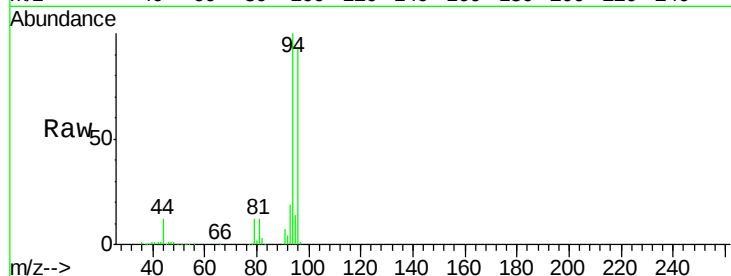
VSTDCCC020EC

Tot Ion: 94 Resp: 40647

Ion Ratio Lower Upper

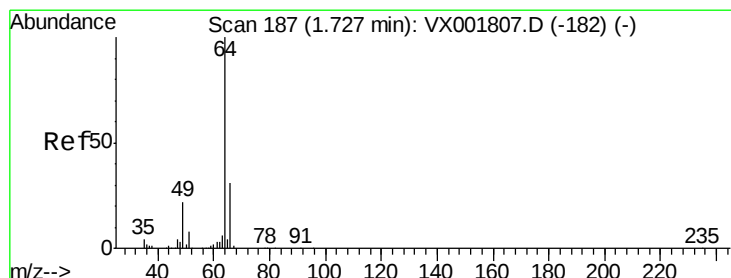
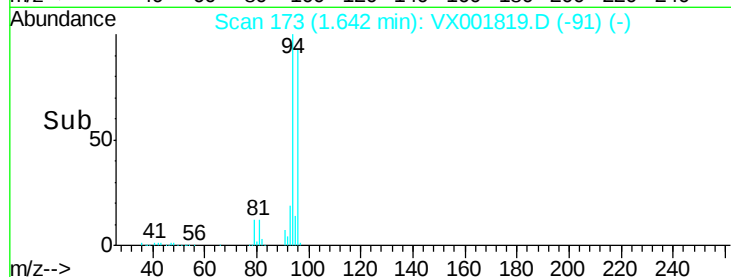
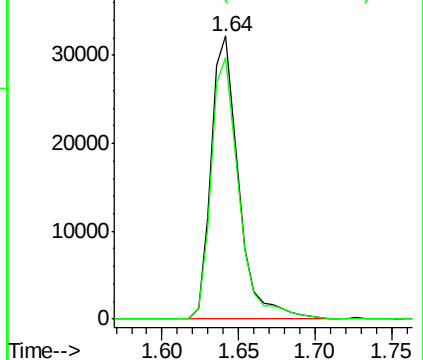
94 100

96 92.7 76.6 115.0



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 21.88 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX001819.D

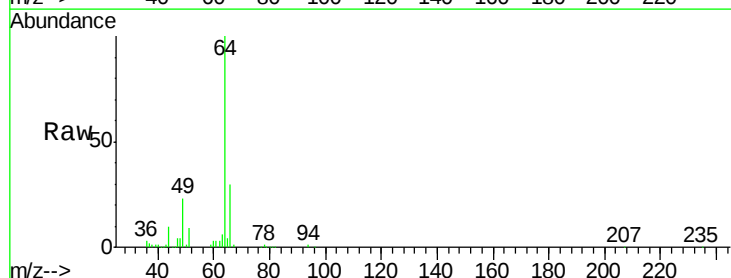
Acq: 18 May 2018 10:29

Tgt Ion: 64 Resp: 45028

Ion Ratio Lower Upper

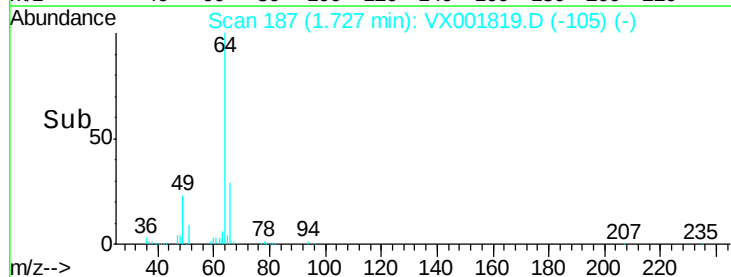
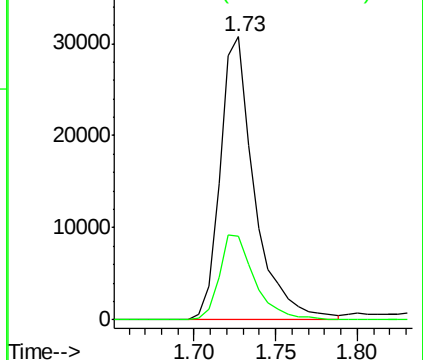
64 100

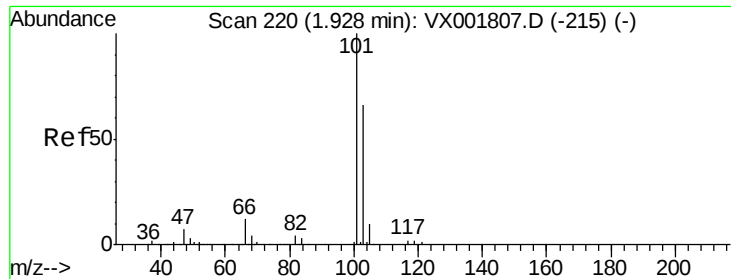
66 29.7 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

Trichlorofluoromethane

Concen: 29.83 ug/l

RT: 1.93 min Scan# 220

Delta R.T. 0.00 min

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ClientSampleId :

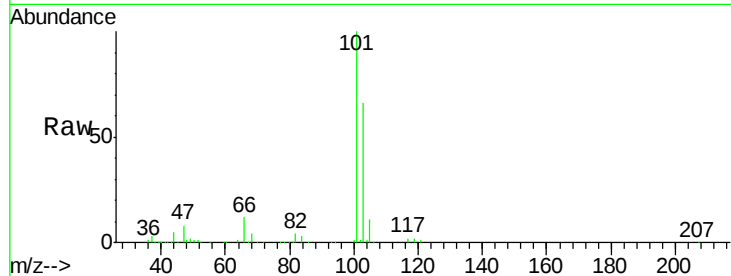
VSTDCCC020EC

Tot Ion:101 Resp: 92222

Ion Ratio Lower Upper

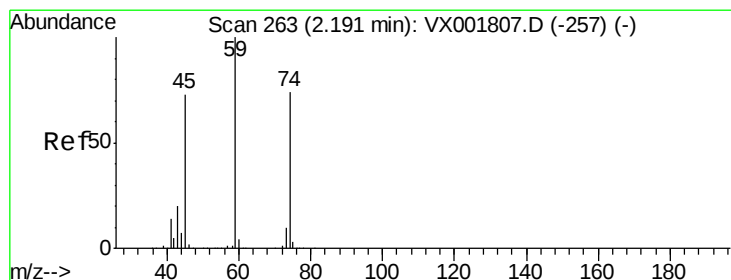
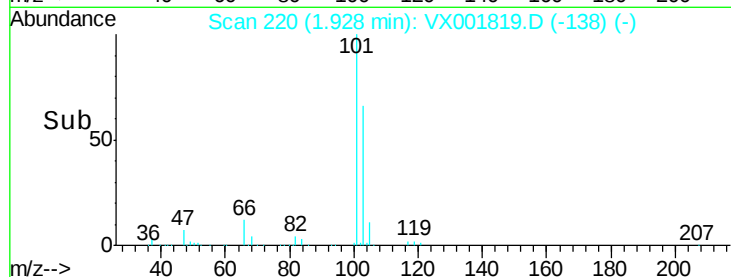
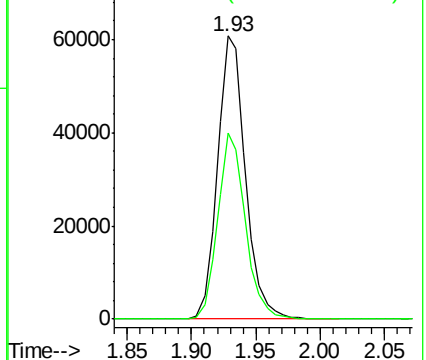
101 100

103 65.8 52.9 79.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 19.73 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX001819.D

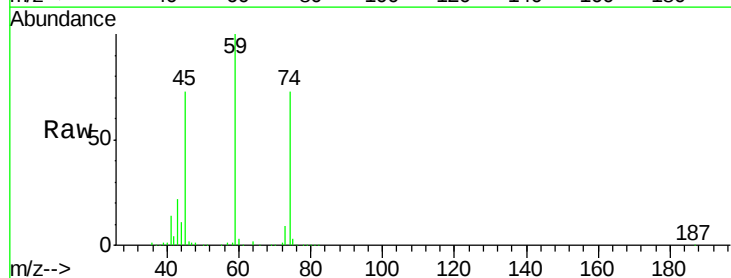
Acq: 18 May 2018 10:29

Tgt Ion: 74 Resp: 42863

Ion Ratio Lower Upper

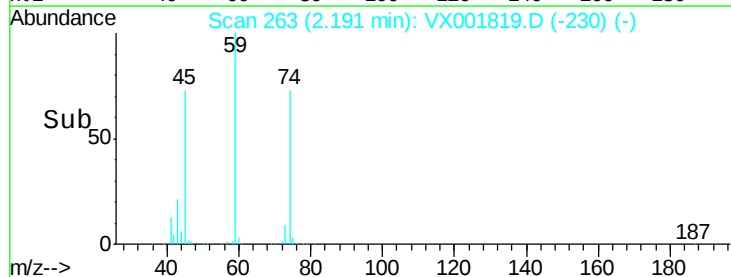
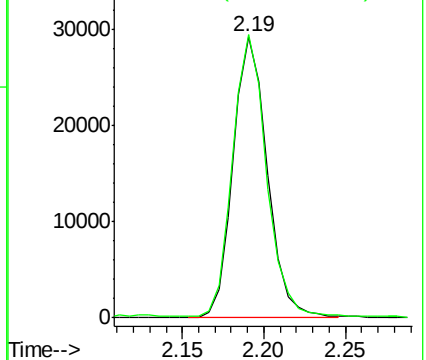
74 100

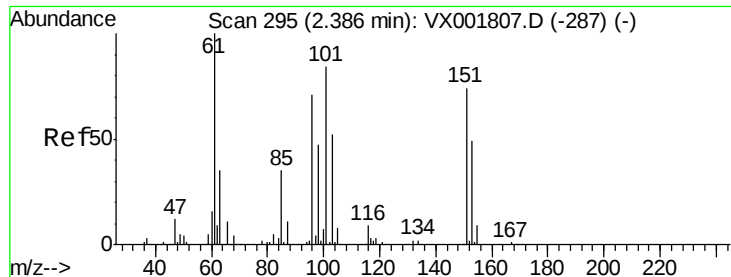
45 99.7 19.8 178.0



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: 32.66 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

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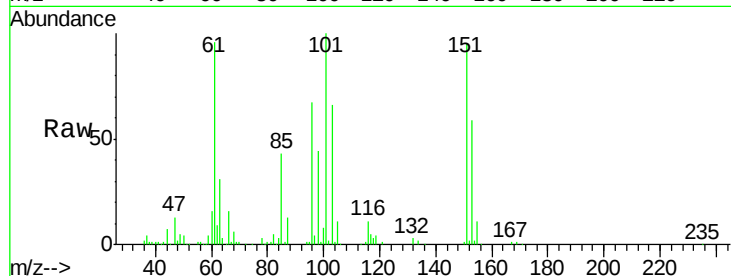
Tot Ion:101 Resp: 57074

Ion Ratio Lower Upper

101 100

85 41.8 0.0 83.0

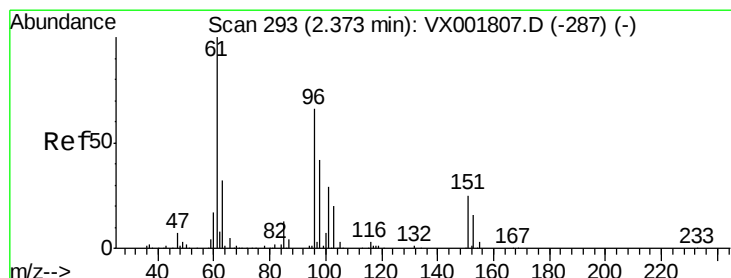
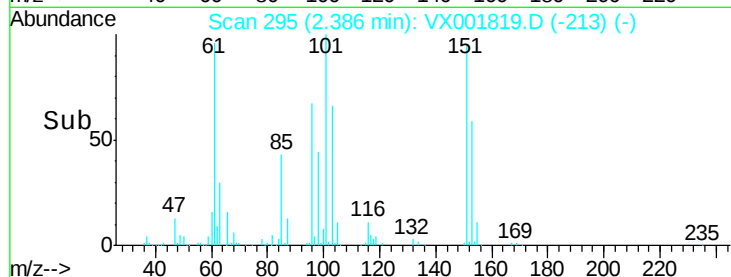
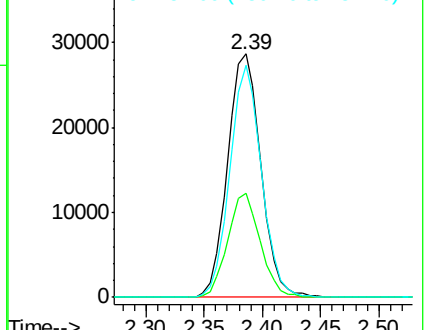
151 90.7 0.0 182.8



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: 24.95 ug/l

RT: 2.37 min Scan# 293

Delta R.T. 0.00 min

Lab File: VX001819.D

Acq: 18 May 2018 10:29

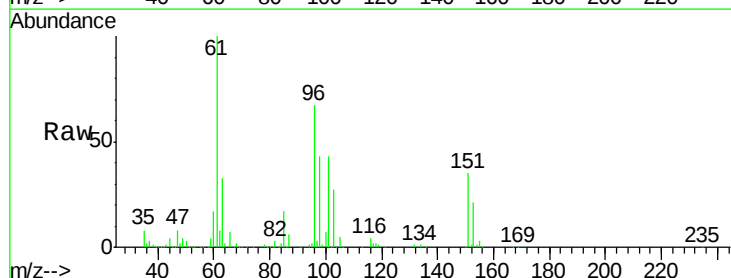
Tgt Ion: 96 Resp: 53395

Ion Ratio Lower Upper

96 100

61 148.9 120.9 181.3

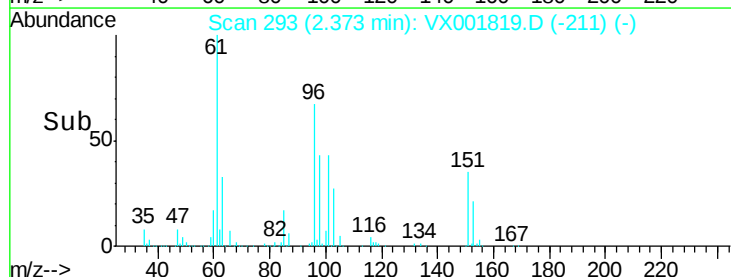
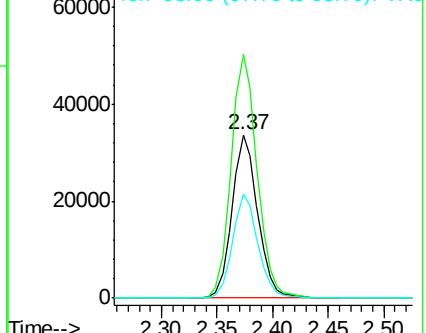
98 63.5 50.2 75.4

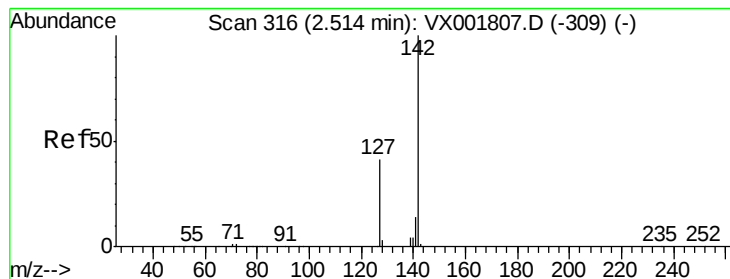


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#11

Methvl Iodide

Concen: 20.67 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX001819.D

Acq: 18 May 2018 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

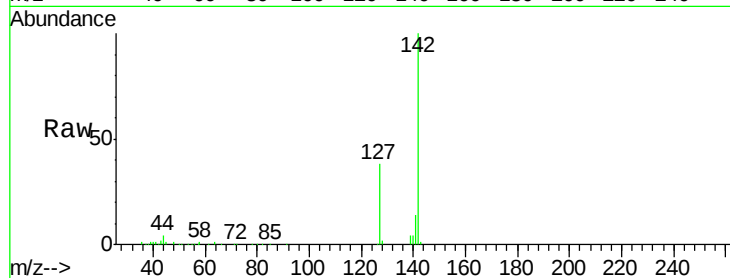
Tot Ion:142 Resp: 69928

Ion Ratio Lower Upper

142 100

127 38.0 20.3 61.0

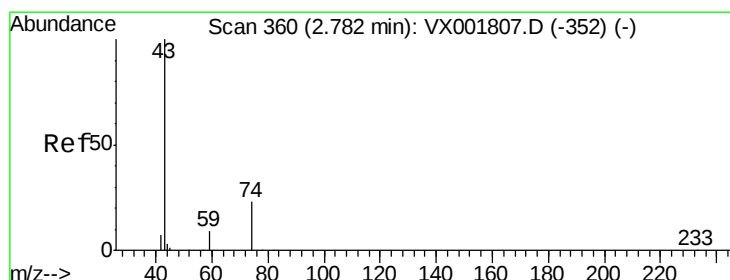
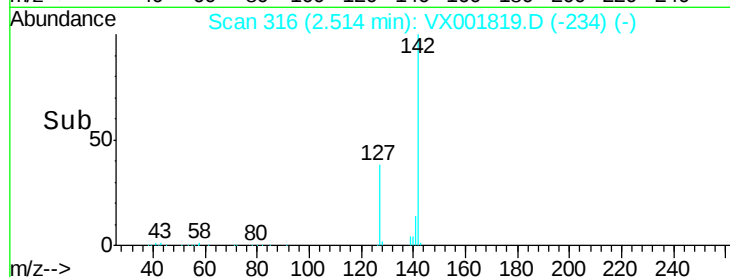
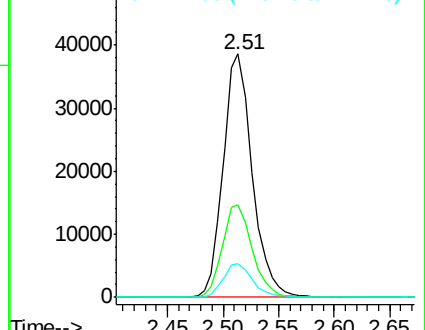
141 14.0 7.0 21.1



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 19.60 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001819.D

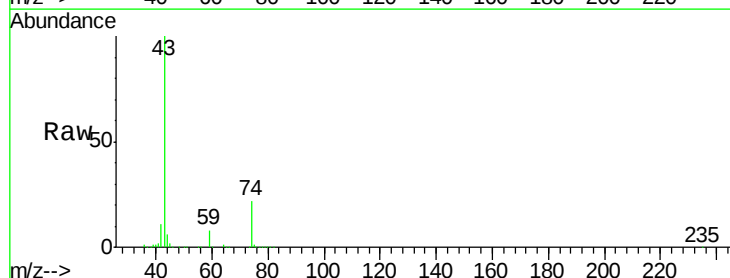
Acq: 18 May 2018 10:29

Tgt Ion: 43 Resp: 101944

Ion Ratio Lower Upper

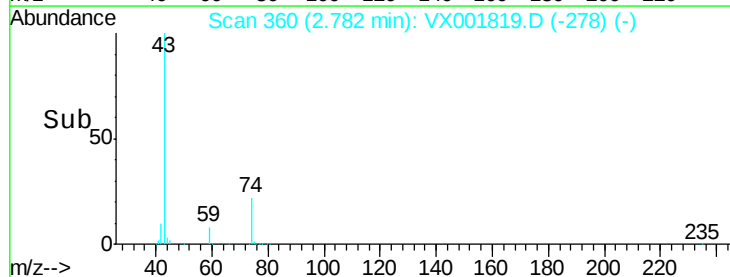
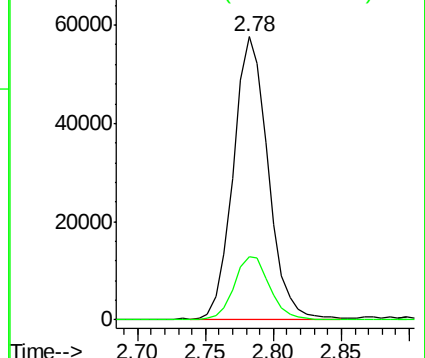
43 100

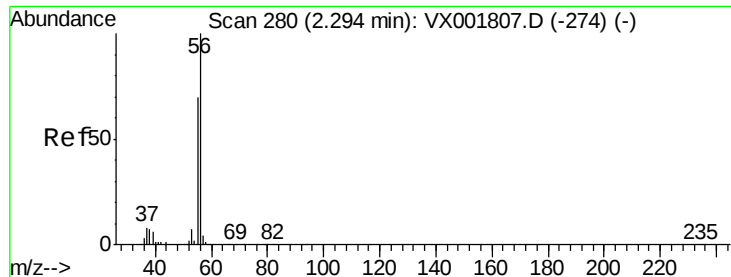
74 22.2 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#13

Acrolein

Concen: 90.06 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX001819.D

Acq: 18 May 2018 10:29

Instrument :

MSVOA_X

ClientSampleId :

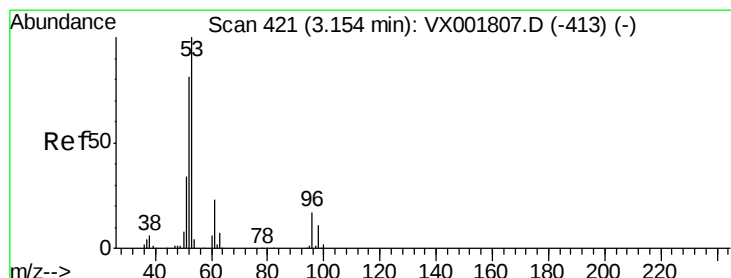
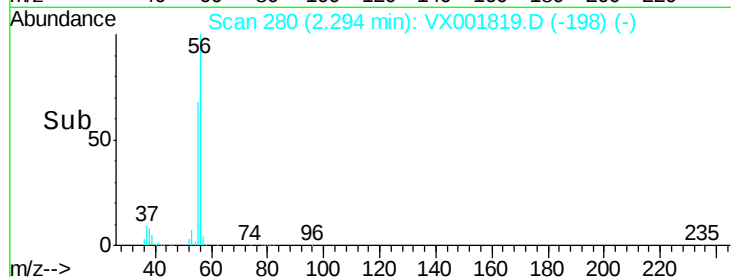
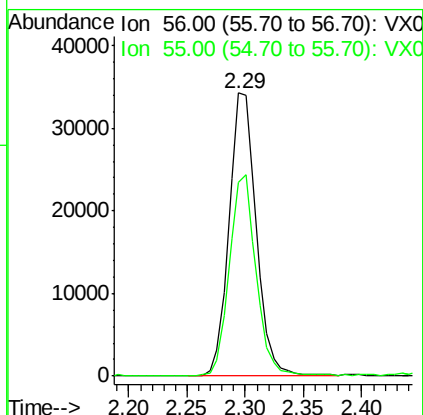
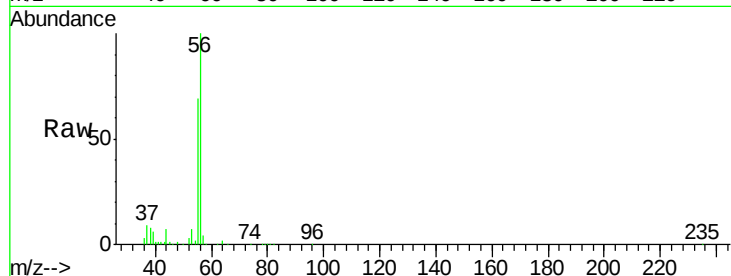
VSTDCCC020EC

Tot Ion: 56 Resp: 55906

Ion Ratio Lower Upper

56 100

55 68.5 56.0 84.0



#14

Acrylonitrile

Concen: 96.10 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001819.D

Acq: 18 May 2018 10:29

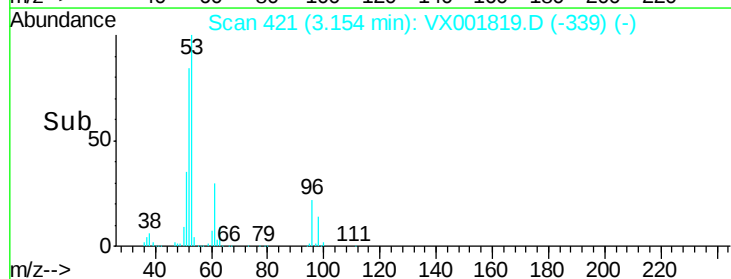
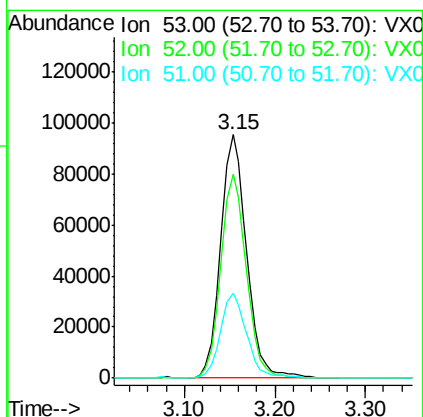
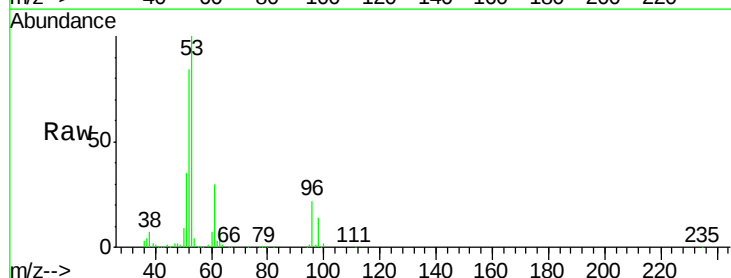
Tgt Ion: 53 Resp: 190287

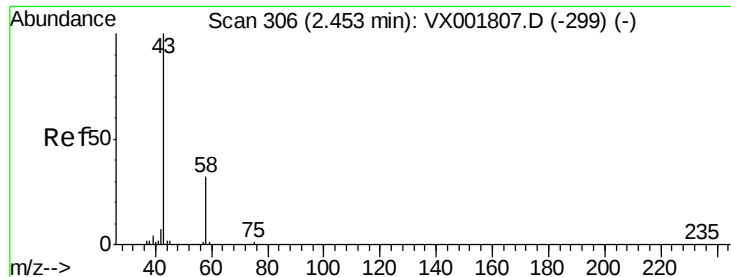
Ion Ratio Lower Upper

53 100

52 82.5 40.7 122.1

51 34.0 17.4 52.3





#15

Acetone

Concen: 97.43 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001819.D

Acq: 18 May 2018 10:29

Instrument :

MSVOA_X

ClientSampleId :

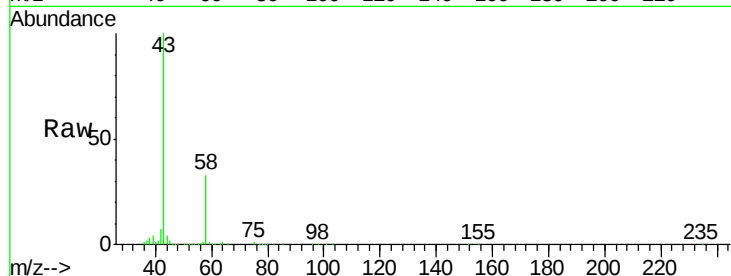
VSTDCCC020EC

Tot Ion: 58 Resp: 52676

Ion Ratio Lower Upper

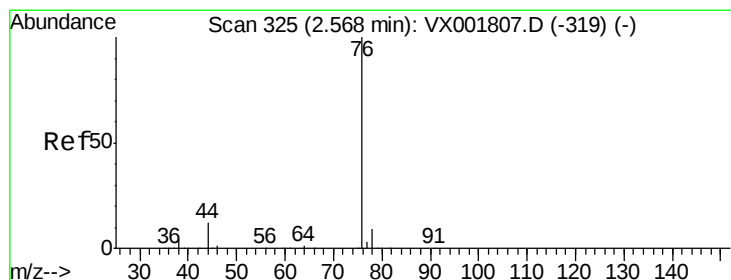
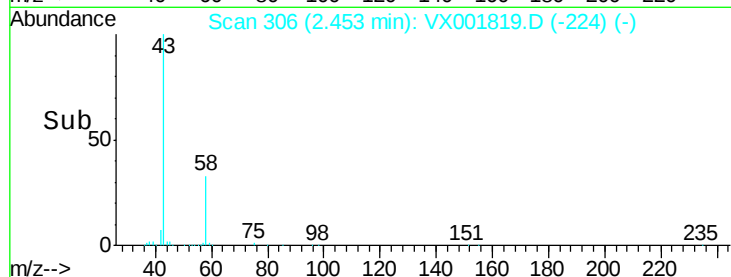
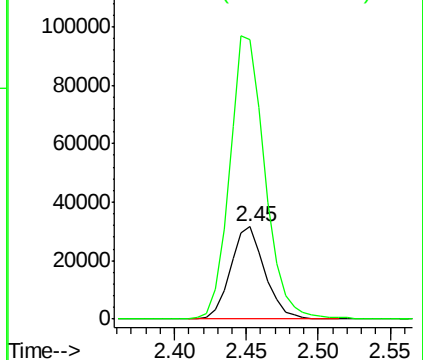
58 100

43 301.6 252.1 378.1



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 24.03 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX001819.D

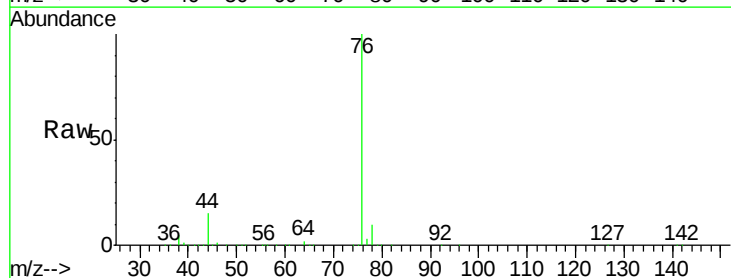
Acq: 18 May 2018 10:29

Tgt Ion: 76 Resp: 128621

Ion Ratio Lower Upper

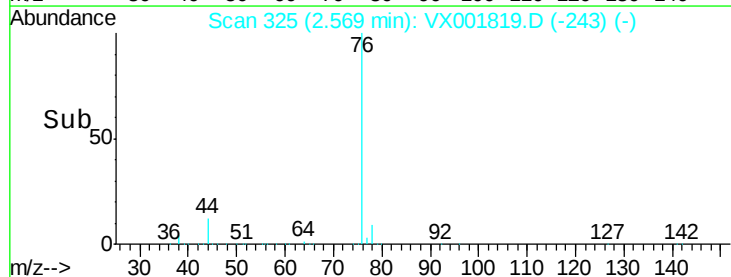
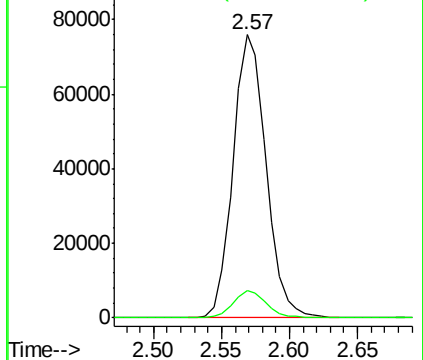
76 100

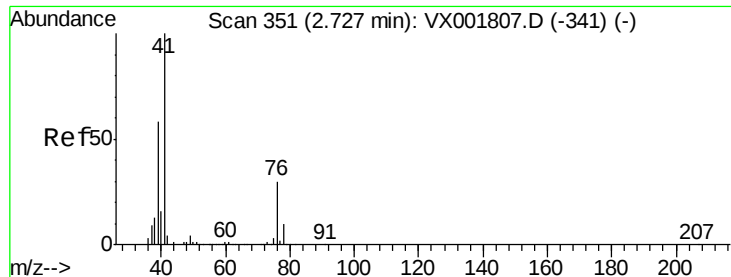
78 9.5 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

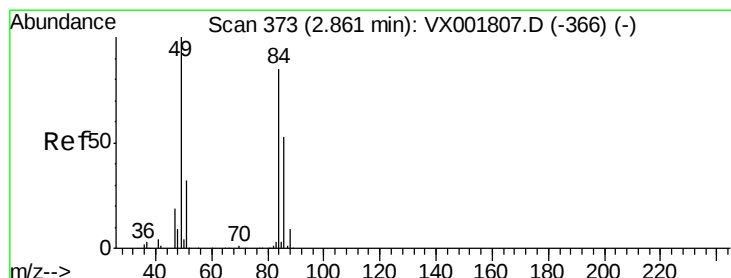
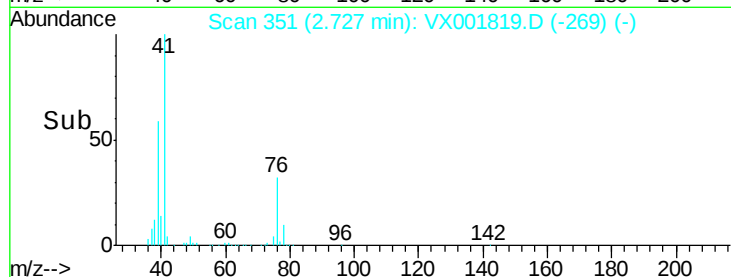
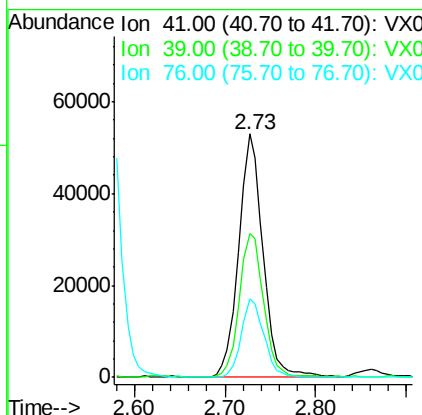
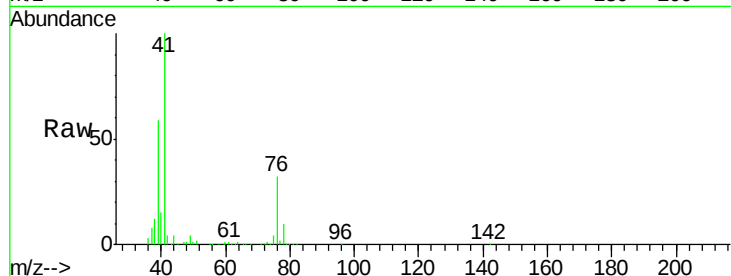




#17
Allvl chloride
Concen: 20.56 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX001819.D
Acq: 18 May 2018 10:29

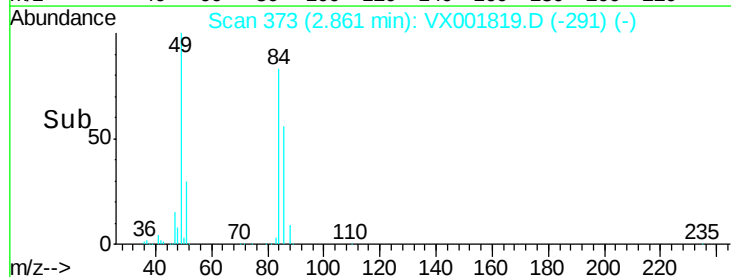
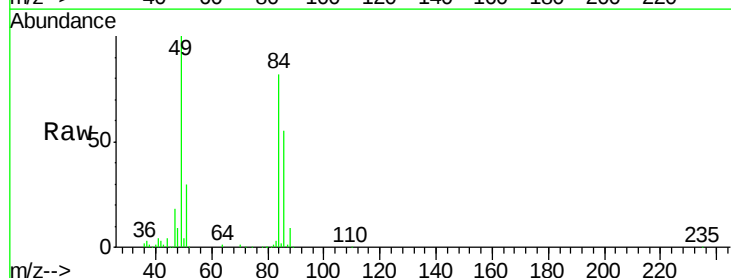
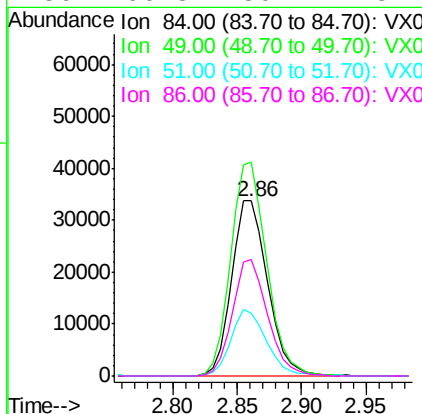
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

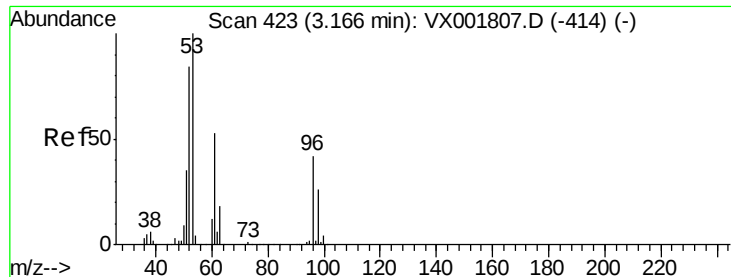
Tot Ion: 41 Resp: 98342
Ion Ratio Lower Upper
41 100
39 58.9 29.1 87.3
76 32.2 15.2 45.5



#18
Methylene Chloride
Concen: 19.99 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001819.D
Acq: 18 May 2018 10:29

Tgt Ion: 84 Resp: 65822
Ion Ratio Lower Upper
84 100
49 121.7 94.1 141.1
51 36.0 29.8 44.6
86 66.8 50.1 75.1





#19

trans-1,2-Dichloroethene

Concen: 22.32 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001819.D

Acq: 18 May 2018 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

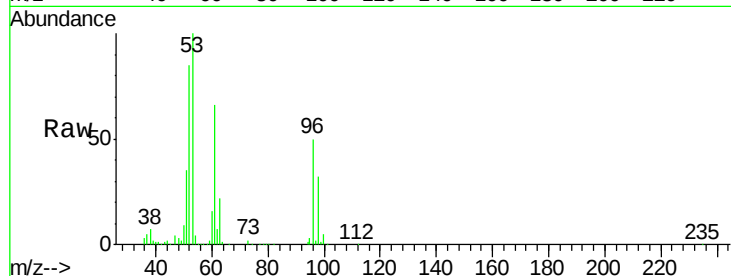
Tot Ion: 96 Resp: 58924

Ion Ratio Lower Upper

96 100

61 133.2 102.9 154.3

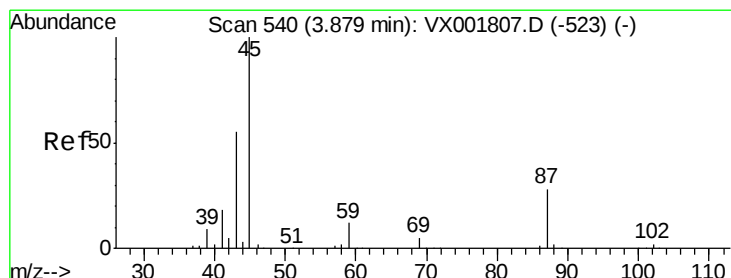
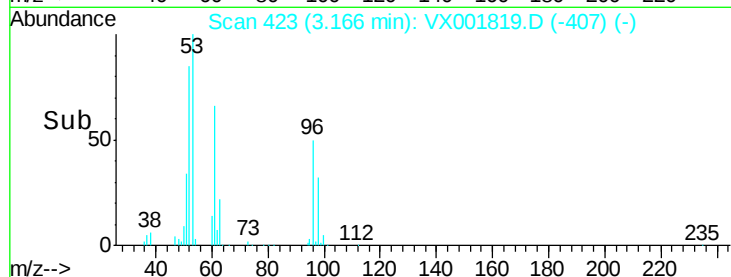
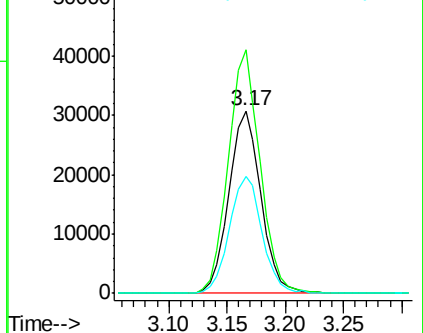
98 63.9 49.7 74.5



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



#20

Diisopropyl ether

Concen: 20.15 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX001819.D

Acq: 18 May 2018 10:29

Tgt Ion: 45 Resp: 209838

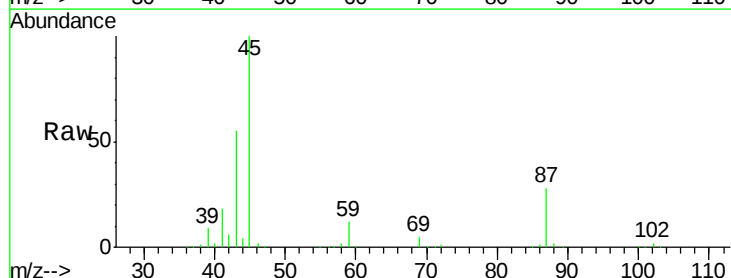
Ion Ratio Lower Upper

45 100

43 54.3 44.2 66.2

87 28.0 22.4 33.6

59 12.2 9.4 14.0

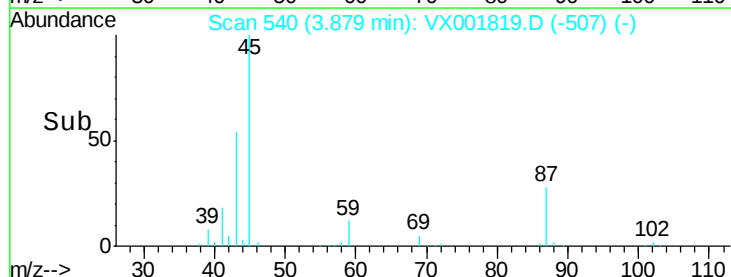
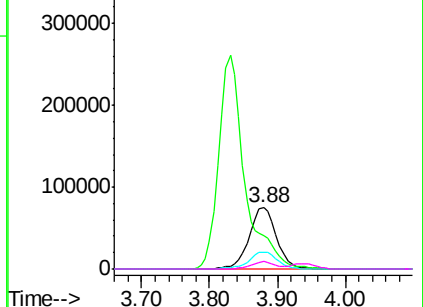


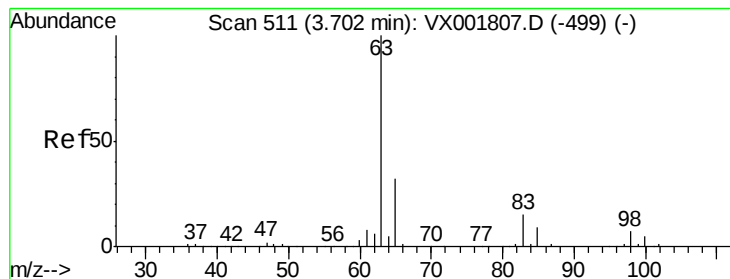
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#21

1,1-Dichloroethane

Concen: 21.00 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX001819.D

Acq: 18 May 2018 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

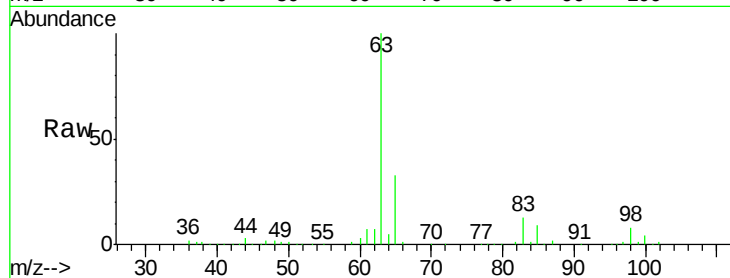
Tot Ion: 63 Resp: 111975

Ion Ratio Lower Upper

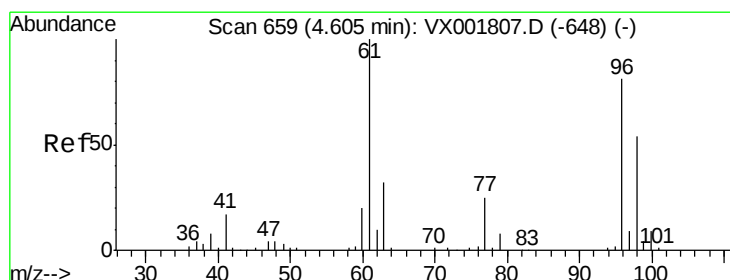
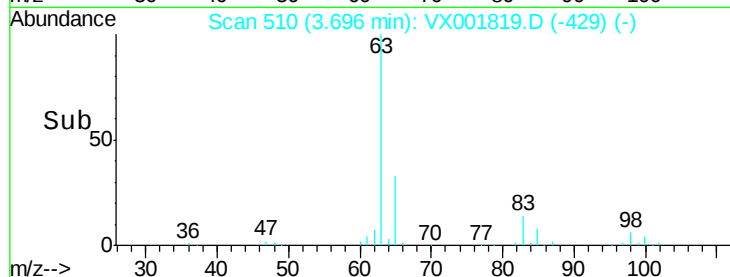
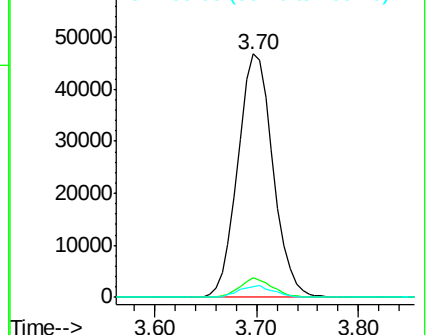
63 100

98 7.9 3.7 11.1

100 4.5 2.5 7.6



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



#22

cis-1,2-Dichloroethene

Concen: 20.93 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.01 min

Lab File: VX001819.D

Acq: 18 May 2018 10:29

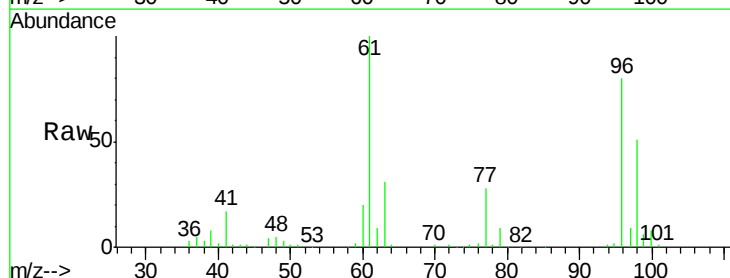
Tgt Ion: 96 Resp: 71700

Ion Ratio Lower Upper

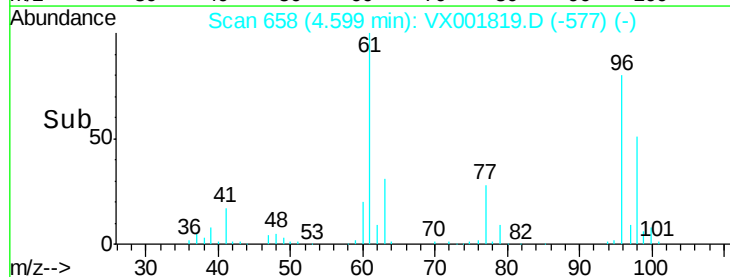
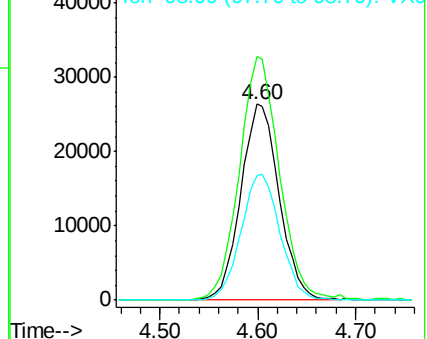
96 100

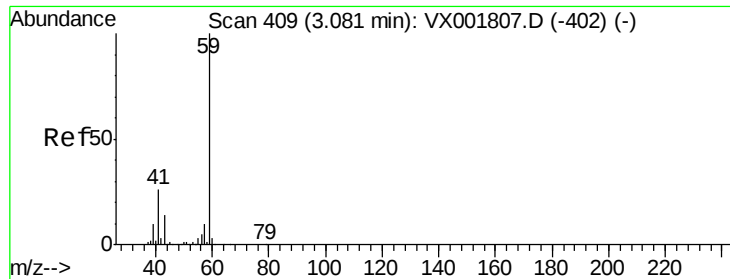
61 129.6 105.9 158.9

98 65.2 51.5 77.3



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: 98.74 ug/l

RT: 3.08 min Scan# 409

Delta R.T. 0.00 min

Lab File: VX001819.D

Acq: 18 May 2018 10:29

Instrument :

MSVOA_X

ClientSampleId :

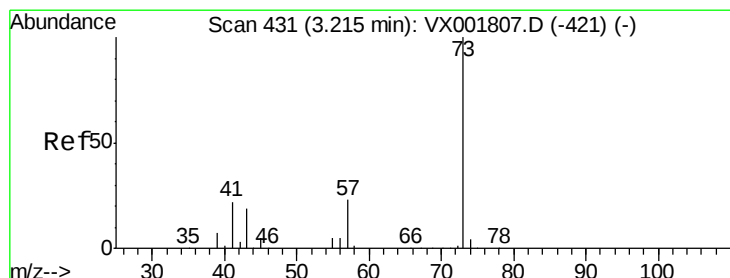
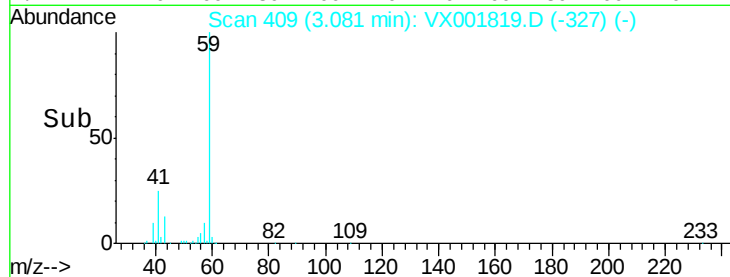
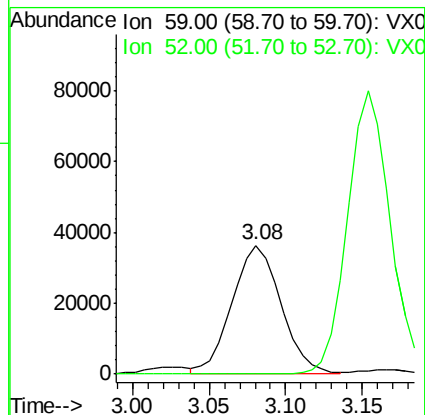
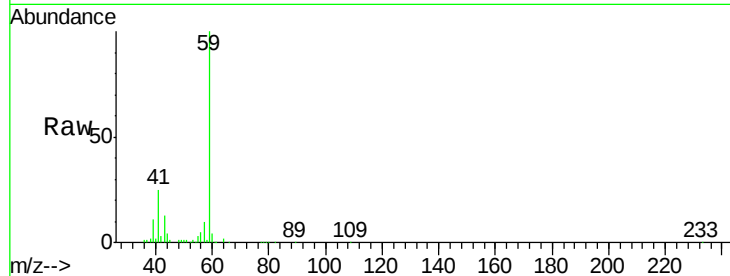
VSTDCCC020EC

Tot Ion: 59 Resp: 81289

Ion Ratio Lower Upper

59 100

52 0.2 0.1 0.1#



#24

Methyl tert-Butyl Ether

Concen: 19.69 ug/l

RT: 3.21 min Scan# 430

Delta R.T. -0.01 min

Lab File: VX001819.D

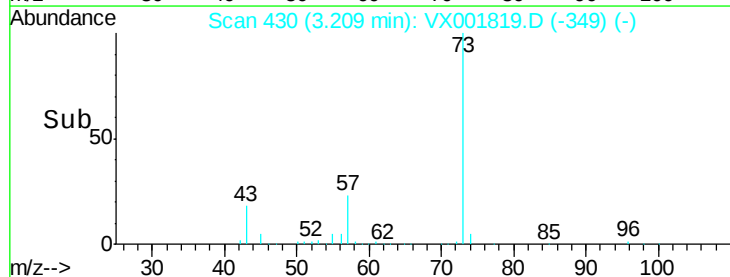
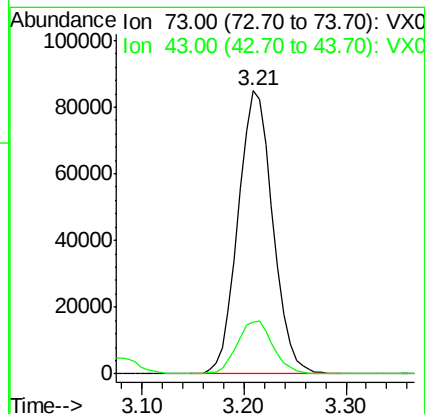
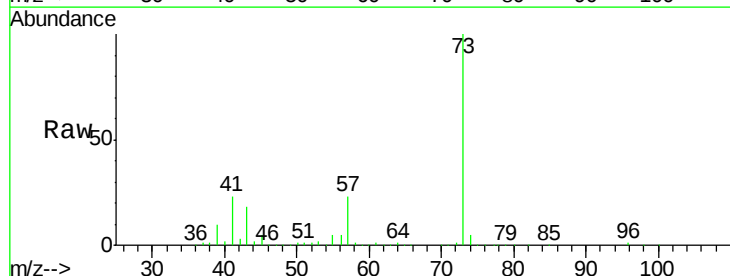
Acq: 18 May 2018 10:29

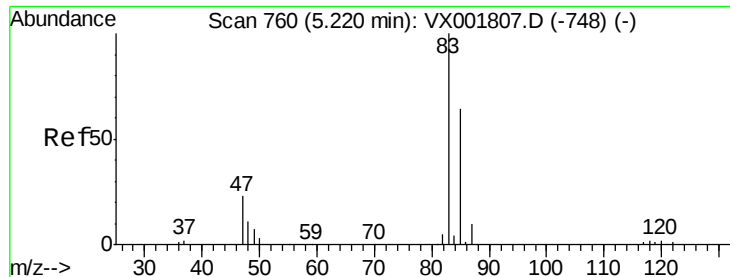
Tgt Ion: 73 Resp: 200569

Ion Ratio Lower Upper

73 100

43 18.9 15.2 22.8





#25

Chloroform

Concen: 20.82 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX001819.D

Acq: 18 May 2018 10:29

Instrument :

MSVOA_X

ClientSampleId :

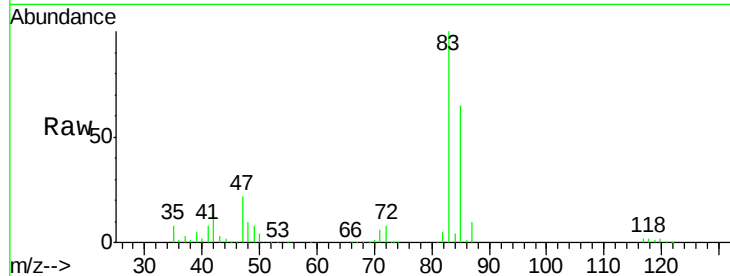
VSTDCCC020EC

Tot Ion: 83 Resp: 118318

Ion Ratio Lower Upper

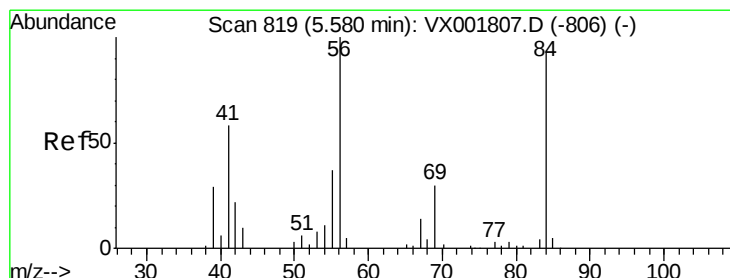
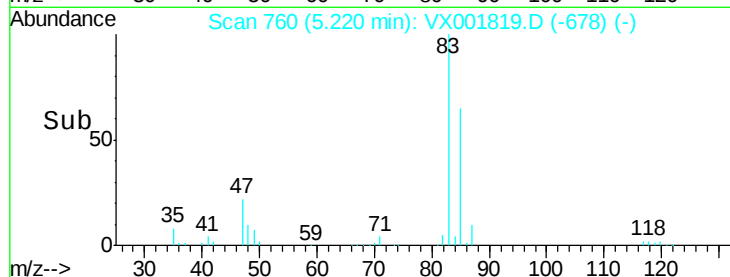
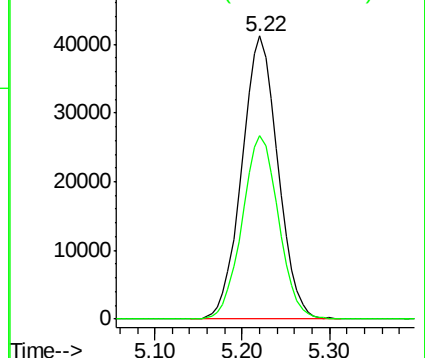
83 100

85 65.0 51.6 77.4



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 33.52 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX001819.D

Acq: 18 May 2018 10:29

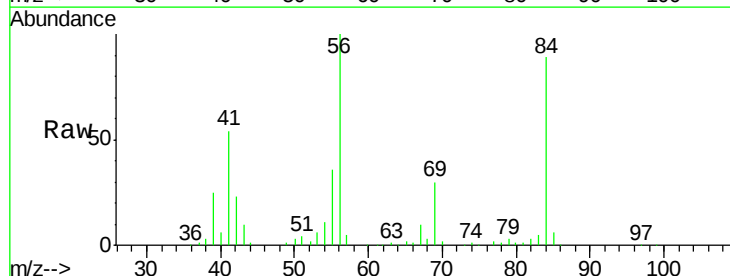
Tgt Ion: 56 Resp: 97326

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

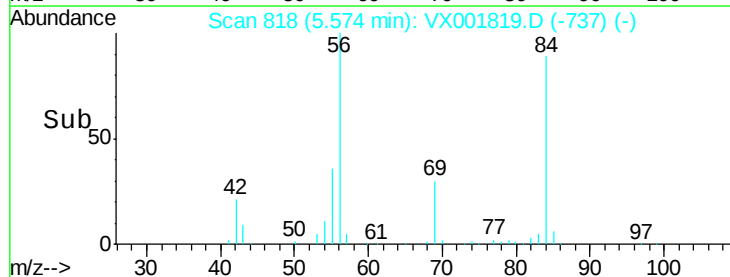
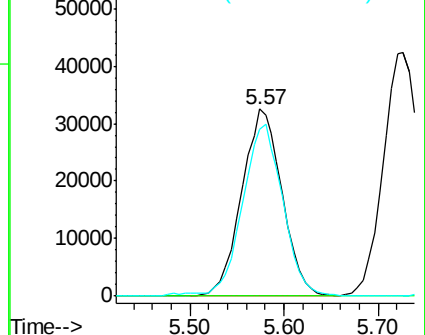
84 91.1 73.8 110.8

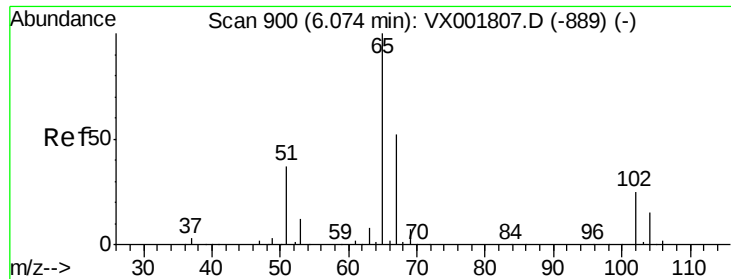


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

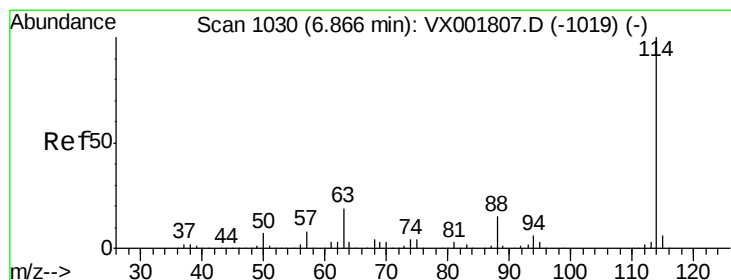
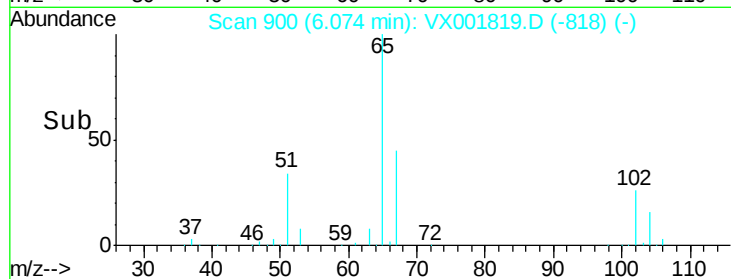
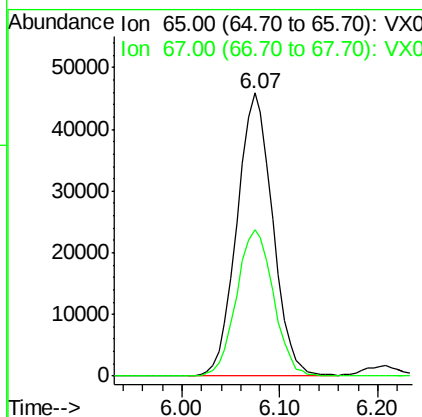
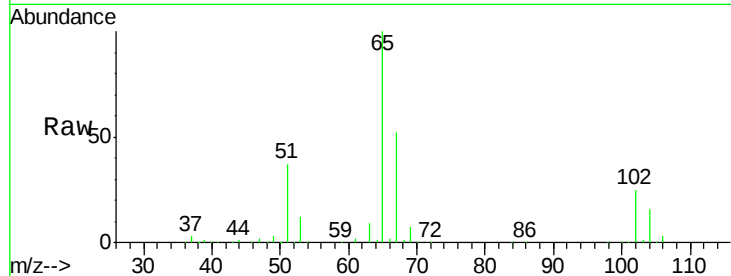




#27
 1,2-Dichloroethane-d4
 Concen: 29.71 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001819.D
 Acq: 18 May 2018 10:29

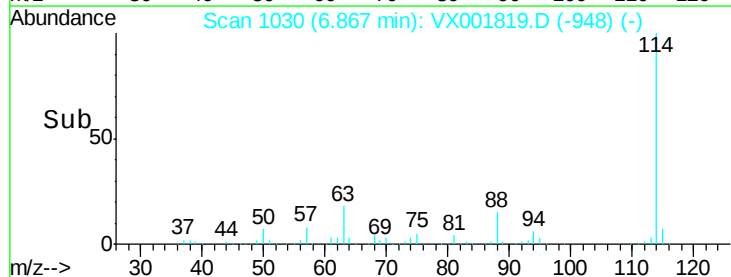
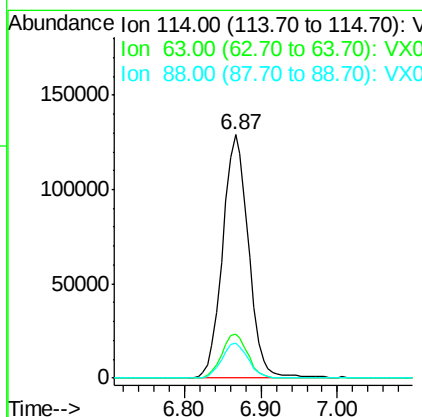
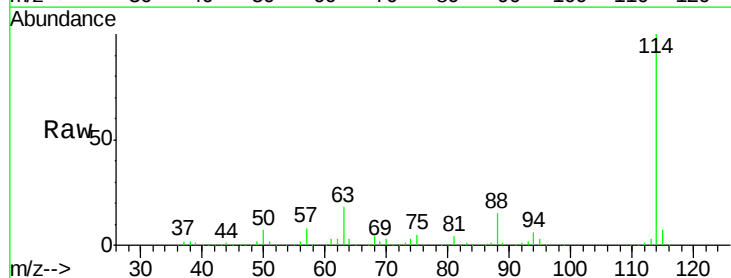
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

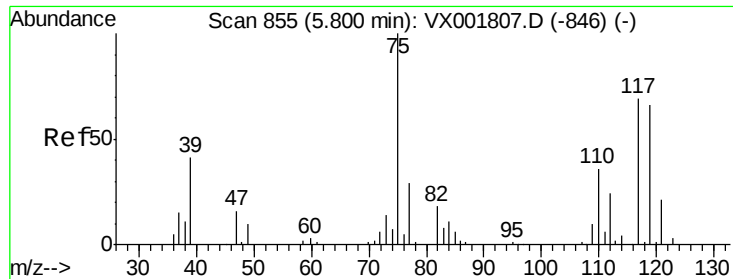
Tot Ion: 65 Resp: 116503
 Ion Ratio Lower Upper
 65 100
 67 53.1 42.1 63.1



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001819.D
 Acq: 18 May 2018 10:29

Tgt Ion: 114 Resp: 302749
 Ion Ratio Lower Upper
 114 100
 63 18.4 14.9 22.3
 88 14.6 11.8 17.8

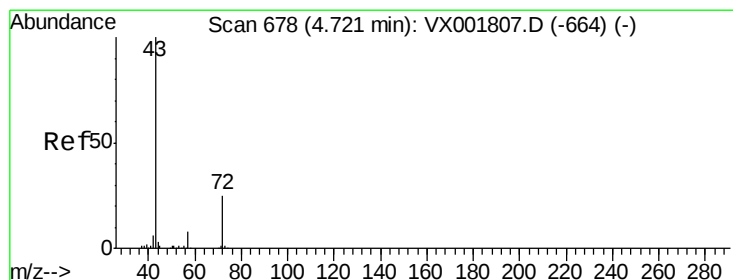
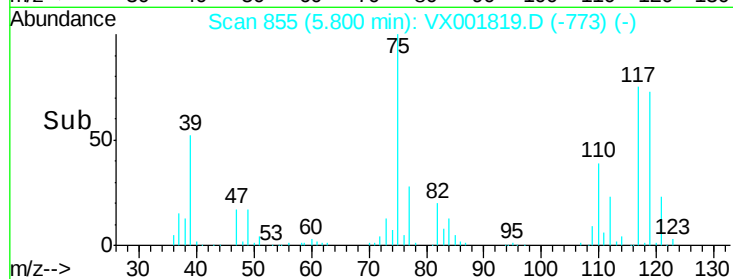
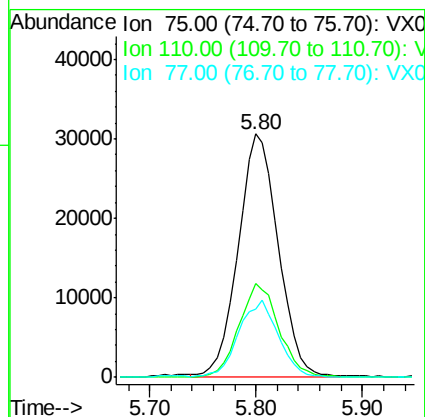
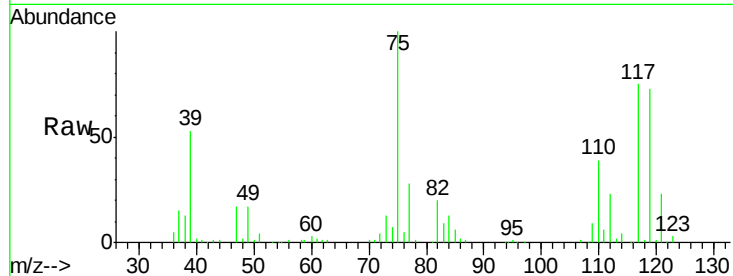




#29
 1,1-Dichloropropene
 Concen: 23.42 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX001819.D
 Acq: 18 May 2018 10:29

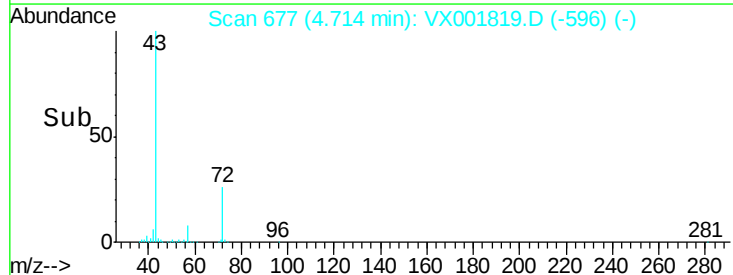
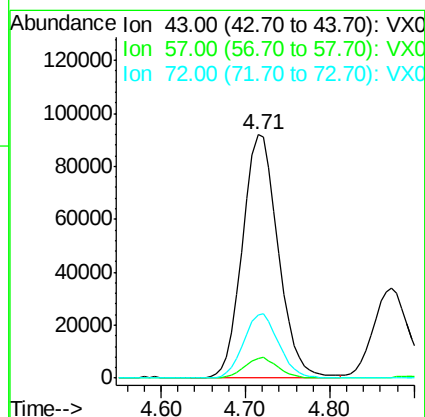
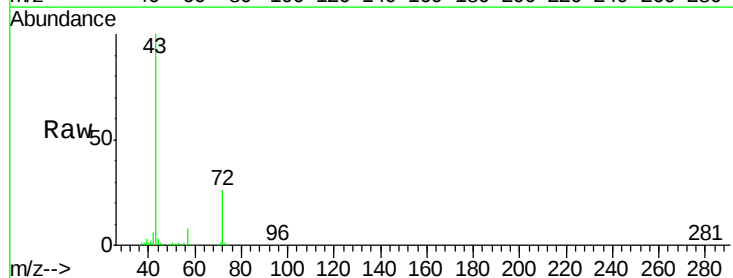
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

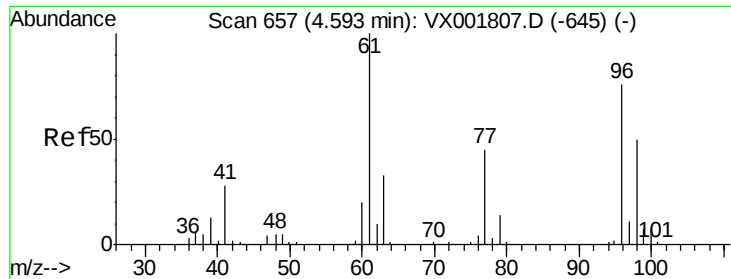
Tot Ion: 75 Resp: 80419
 Ion Ratio Lower Upper
 75 100
 110 38.7 0.0 75.2
 77 31.6 0.0 61.6



#30
 2-Butanone
 Concen: 85.31 ug/l
 RT: 4.71 min Scan# 677
 Delta R.T. -0.01 min
 Lab File: VX001819.D
 Acq: 18 May 2018 10:29

Tgt Ion: 43 Resp: 264216
 Ion Ratio Lower Upper
 43 100
 57 8.0 6.4 9.6
 72 26.1 20.6 30.8

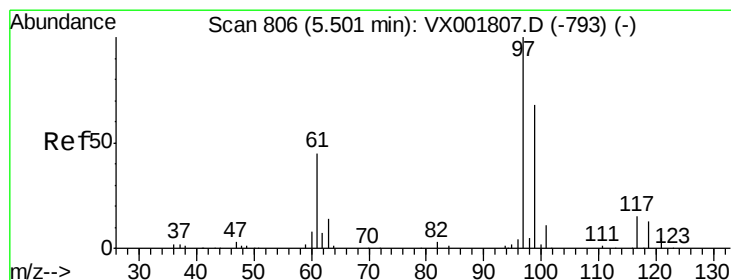
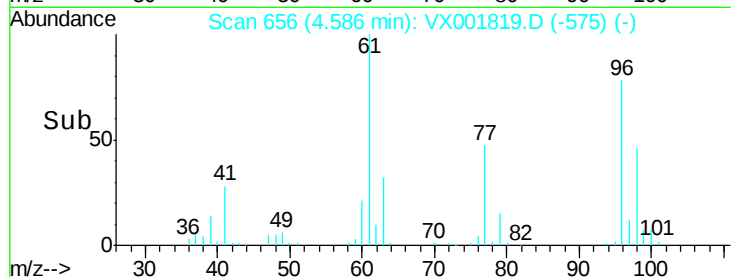
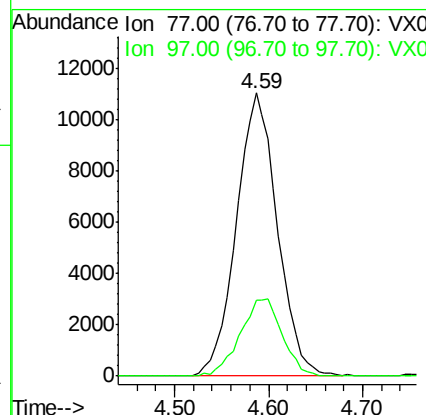
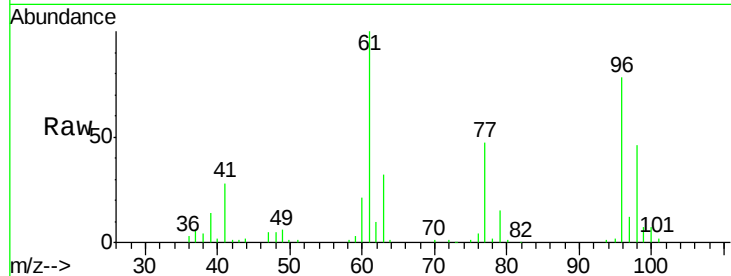




#31
 2,2-Dichloropropane
 Concen: 15.41 ug/l
 RT: 4.59 min Scan# 656
 Delta R.T. -0.01 min
 Lab File: VX001819.D
 Acq: 18 May 2018 10:29

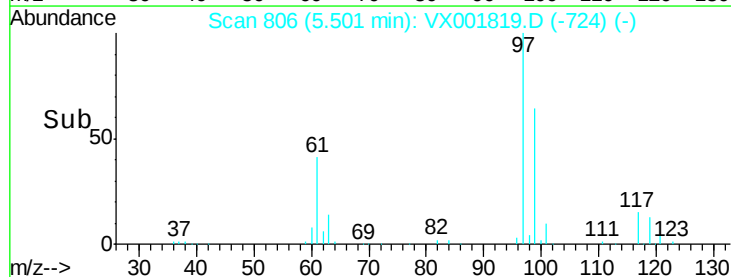
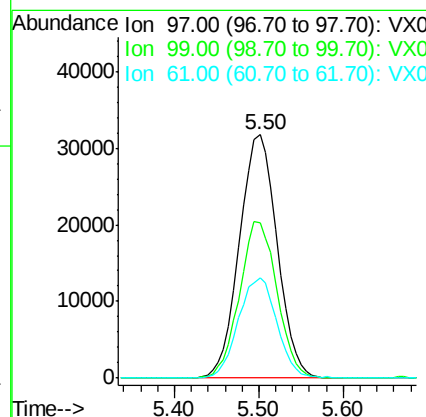
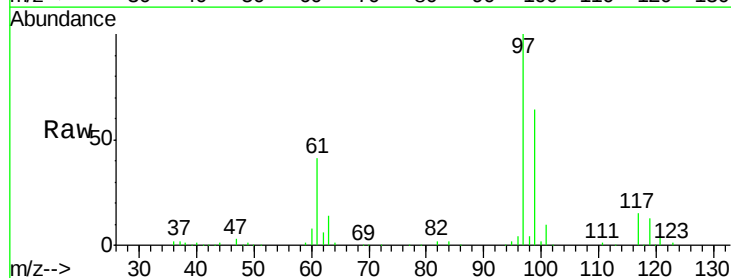
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

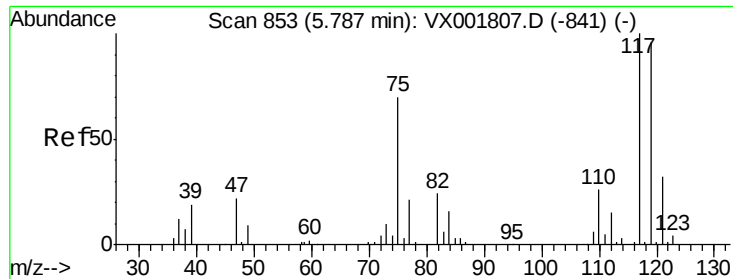
Tot Ion: 77 Resp: 33467
 Ion Ratio Lower Upper
 77 100
 97 28.0 22.3 33.5



#32
 1,1,1-Trichloroethane
 Concen: 21.17 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX001819.D
 Acq: 18 May 2018 10:29

Tgt Ion: 97 Resp: 96373
 Ion Ratio Lower Upper
 97 100
 99 64.0 52.4 78.6
 61 42.1 34.6 51.8

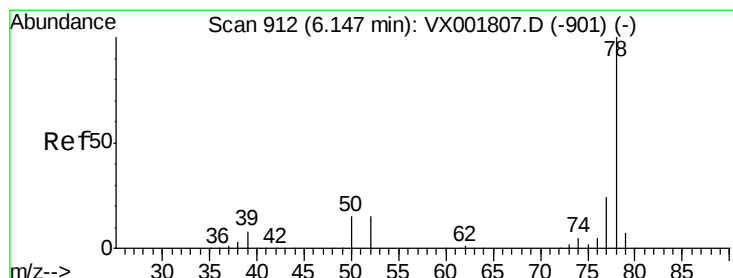
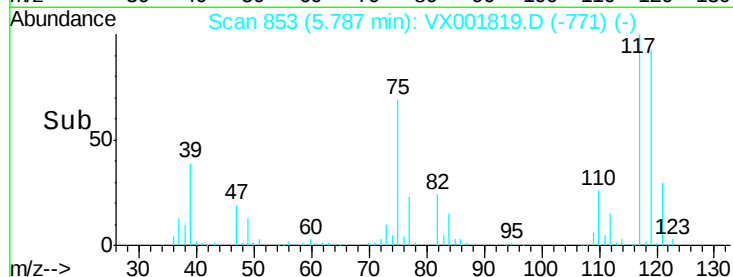
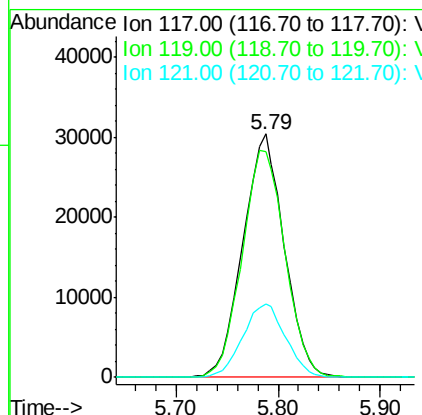
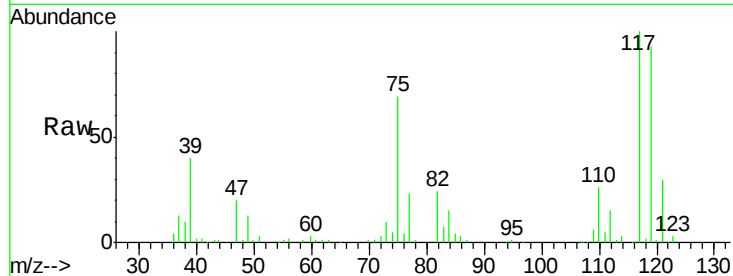




#33
Carbon Tetrachloride
Concen: 23.53 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX001819.D
Acq: 18 May 2018 10:29

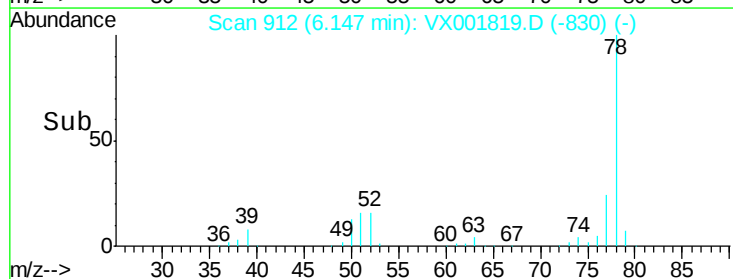
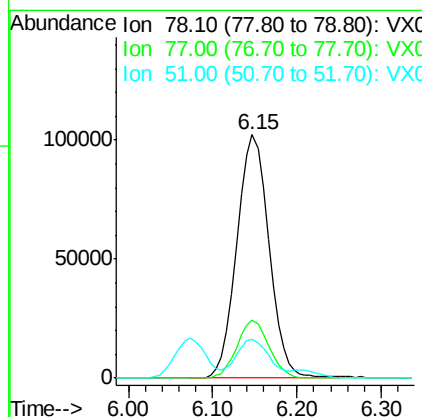
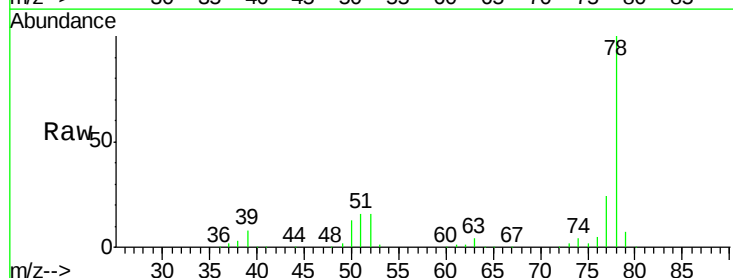
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

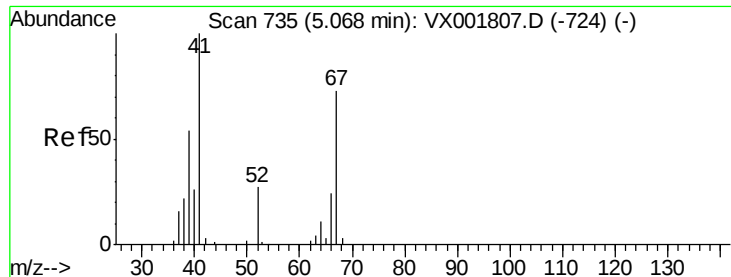
Tot Ion:117 Resp: 85509
Ion Ratio Lower Upper
117 100
119 92.9 76.4 114.6
121 30.3 25.3 37.9



#34
Benzene
Concen: 19.32 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX001819.D
Acq: 18 May 2018 10:29

Tgt Ion: 78 Resp: 264981
Ion Ratio Lower Upper
78 100
77 24.0 19.4 29.0
51 15.8 13.2 19.8

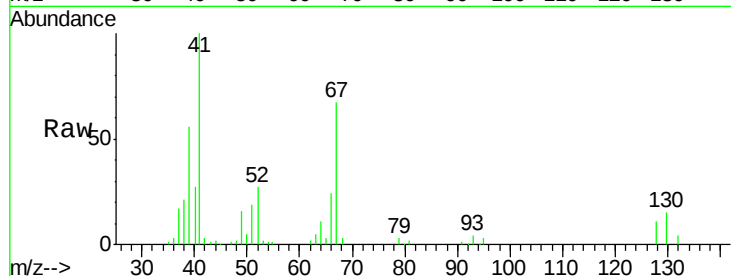




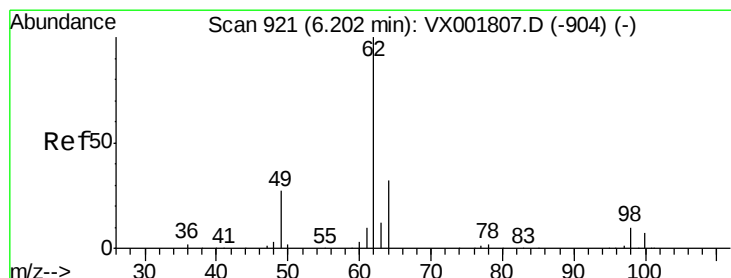
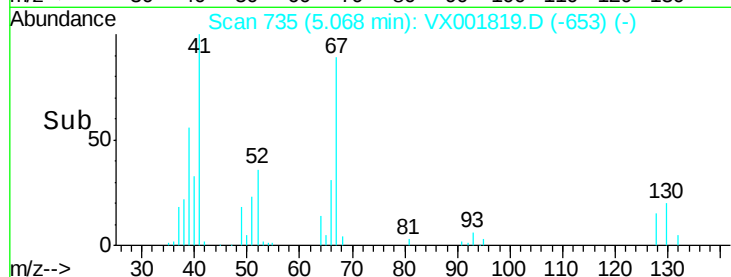
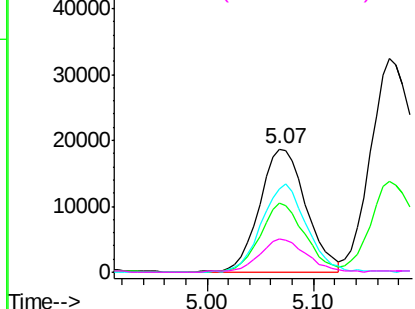
#35
Methacrylonitrile
Concen: 17.16 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX001819.D
Acq: 18 May 2018 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:	41	Resp:	56551
Ion	Ratio	Lower	Upper
41	100		
39	55.4	26.9	80.6
67	67.3	36.8	110.3
52	27.3	13.7	41.1

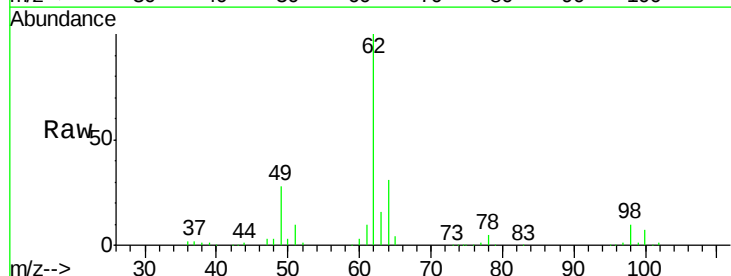


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

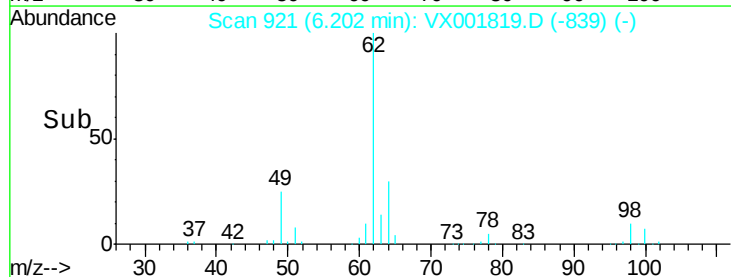
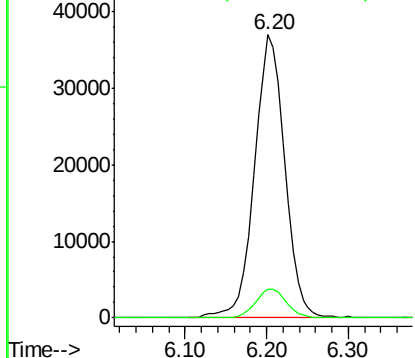


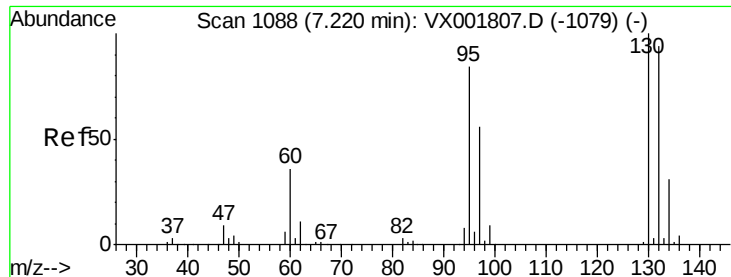
#36
1,2-Dichloroethane
Concen: 17.90 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX001819.D
Acq: 18 May 2018 10:29

Tgt Ion:	62	Resp:	95936
Ion	Ratio	Lower	Upper
62	100		
98	10.3	8.6	12.8



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





#37

Trichloroethene

Concen: 20.93 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001819.D

Acq: 18 May 2018 10:29

Instrument :

MSVOA_X

ClientSampleId :

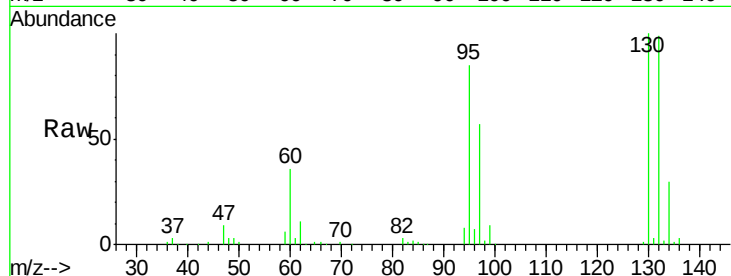
VSTDCCC020EC

Tot Ion:130 Resp: 78485

Ion Ratio Lower Upper

130 100

95 84.7 67.1 100.7



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.22

40000

30000

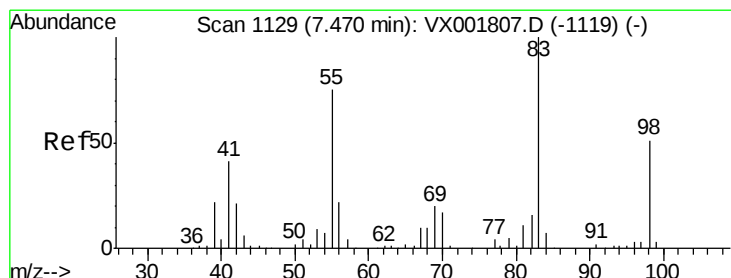
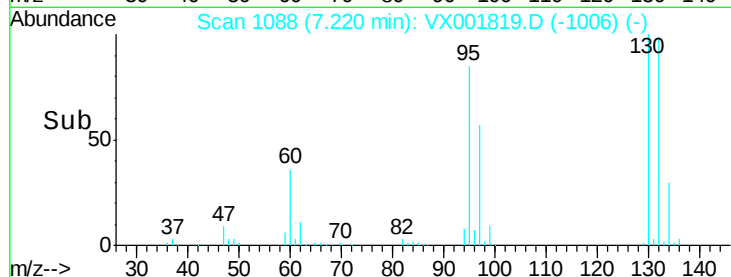
20000

10000

0

Time-->

7.15 7.20 7.25 7.30



#38

Methylcyclohexane

Concen: 30.67 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. -0.01 min

Lab File: VX001819.D

Acq: 18 May 2018 10:29

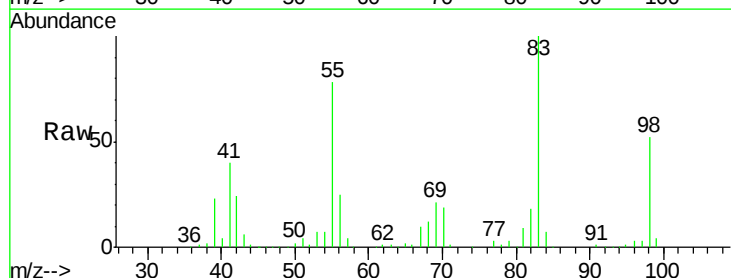
Tgt Ion: 83 Resp: 97115

Ion Ratio Lower Upper

83 100

55 77.6 40.0 119.9

98 51.6 25.8 77.4



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

60000

50000

40000

30000

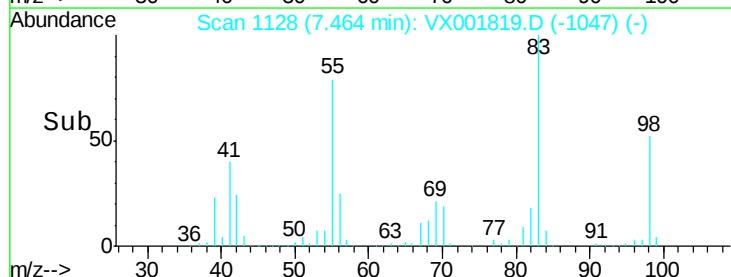
20000

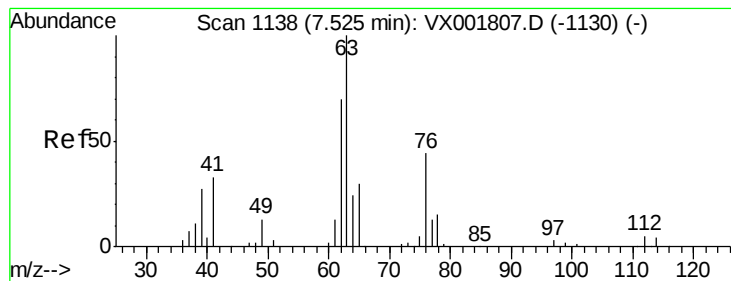
10000

0

Time-->

7.40 7.45 7.50 7.55





#39

1,2-Dichloropropane

Concen: 18.08 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VX001819.D

Acq: 18 May 2018 10:29

Instrument :

MSVOA_X

ClientSampleId :

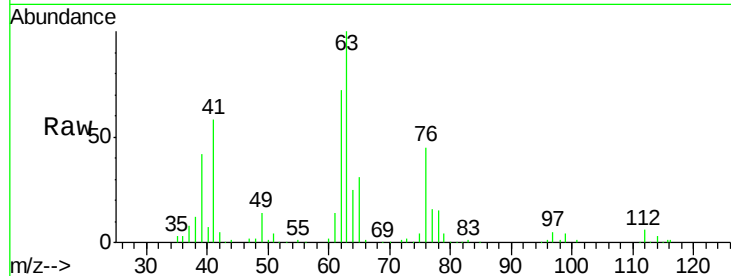
VSTDCCC020EC

Tot Ion: 63 Resp: 66088

Ion Ratio Lower Upper

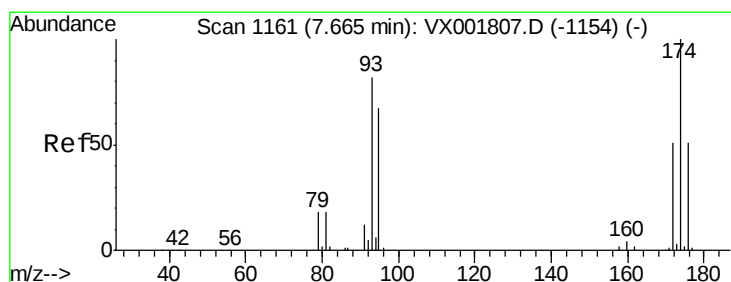
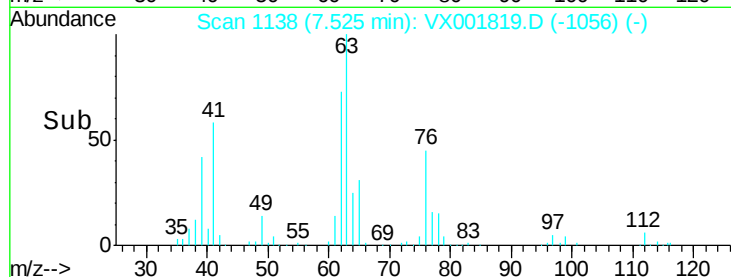
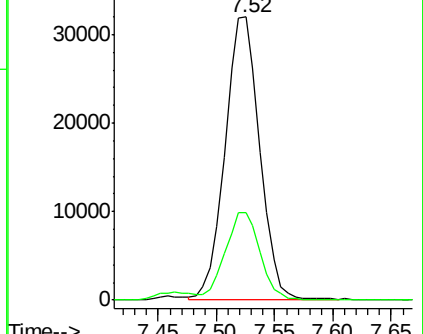
63 100

65 30.9 25.0 37.4



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0



#40

Dibromomethane

Concen: 17.86 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VX001819.D

Acq: 18 May 2018 10:29

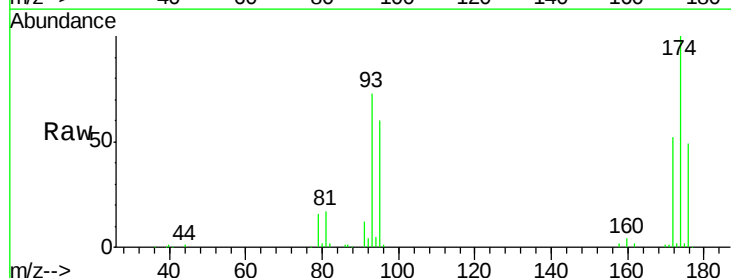
Tgt Ion: 93 Resp: 46794

Ion Ratio Lower Upper

93 100

95 82.3 0.0 167.4

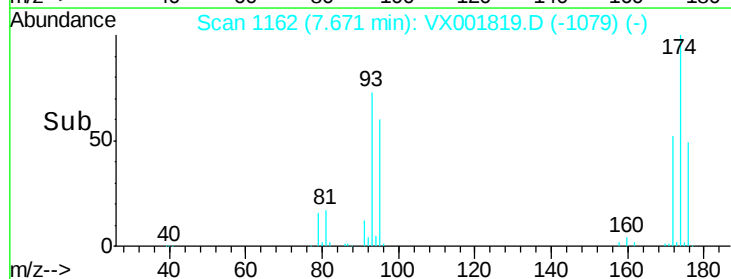
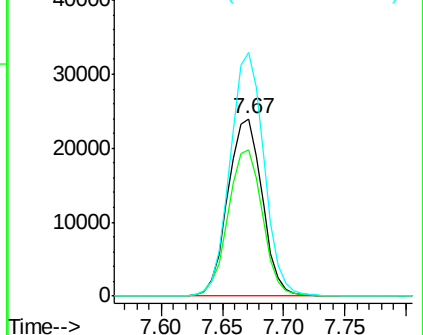
174 135.0 0.0 269.6

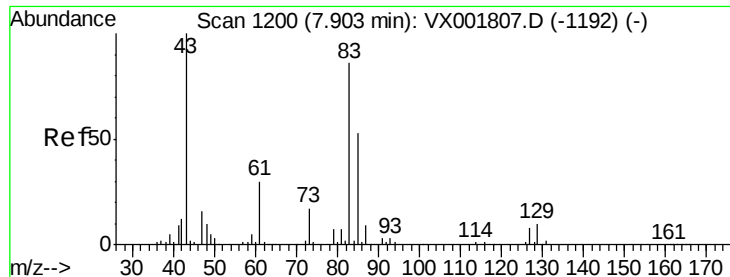


Abundance Ion 93.00 (92.70 to 93.70): VX0

Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 18.01 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX001819.D

Acq: 18 May 2018 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

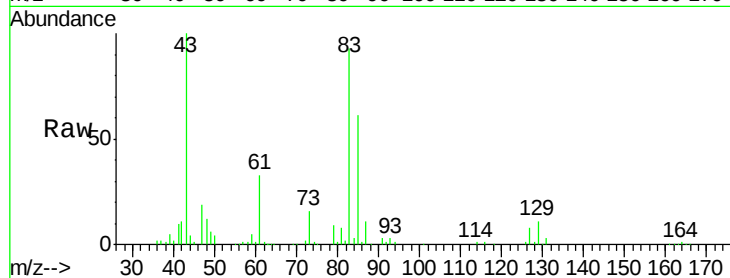
Tot Ion: 83 Resp: 83143

Ion Ratio Lower Upper

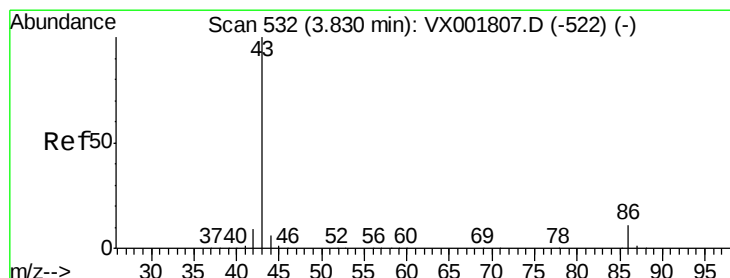
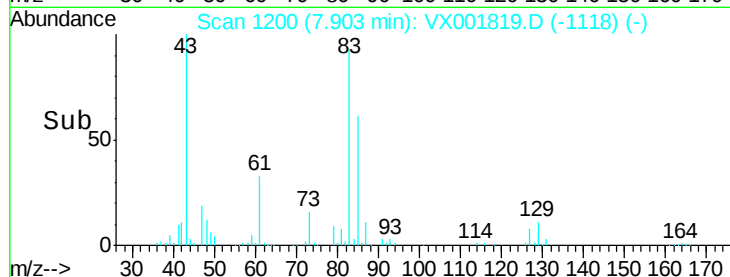
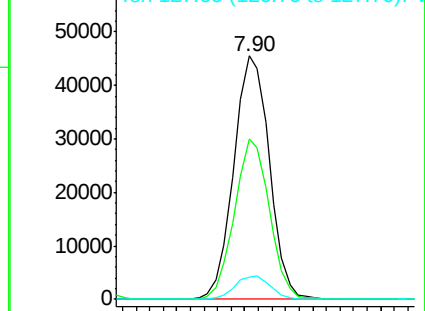
83 100

85 66.0 49.6 74.4

127 8.9 7.0 10.6



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 85.00 (84.70 to 85.70): VX0
Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 83.22 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001819.D

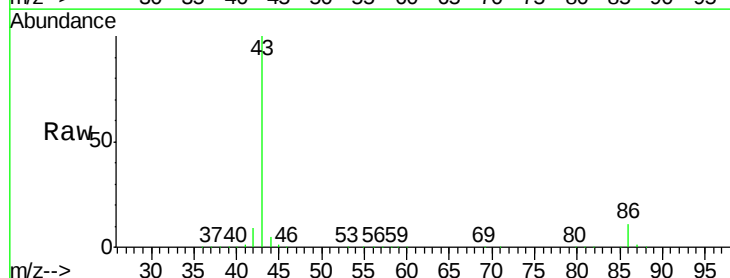
Acq: 18 May 2018 10:29

Tgt Ion: 43 Resp: 698392

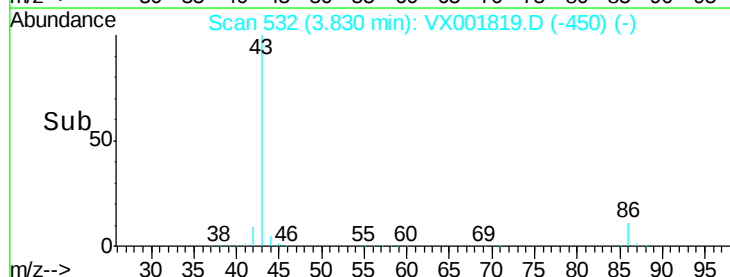
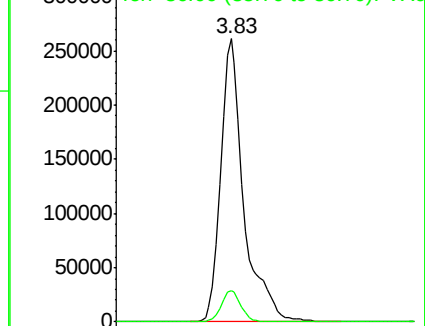
Ion Ratio Lower Upper

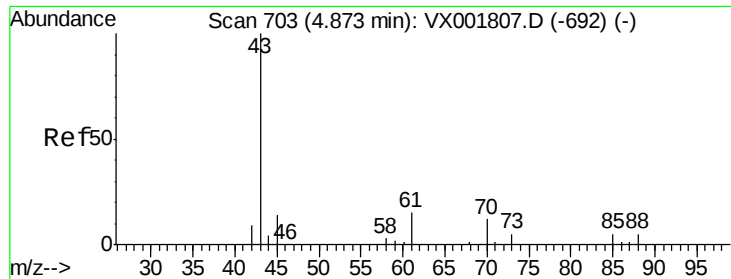
43 100

86 9.5 7.5 11.3



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 86.00 (85.70 to 86.70): VX0





#43

Ethyl Acetate

Concen: 17.21 ug/l

RT: 4.87 min Scan# 703

Delta R.T. 0.00 min

Lab File: VX001819.D

Acq: 18 May 2018 10:29

Instrument :

MSVOA_X

ClientSampleId :

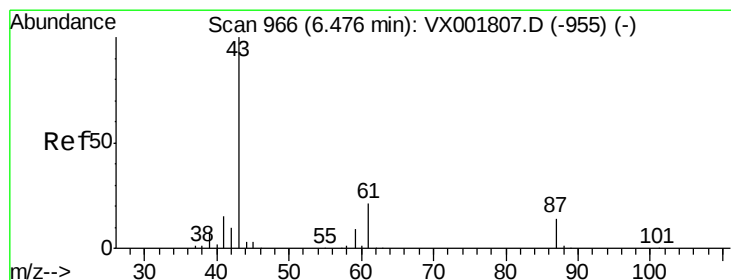
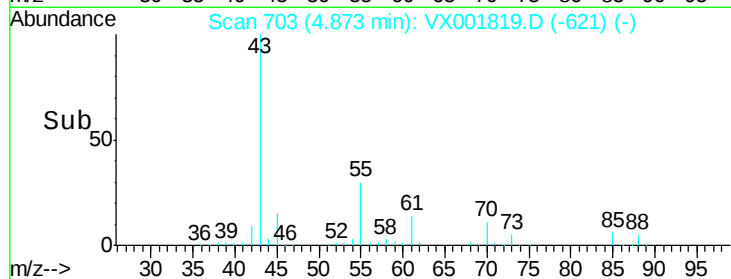
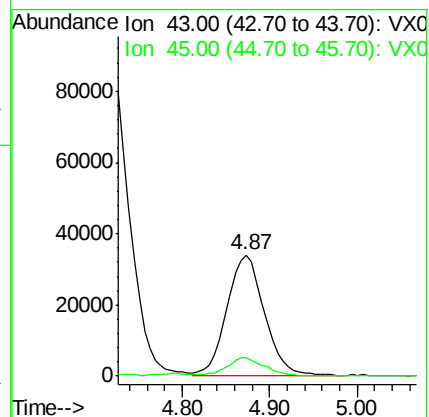
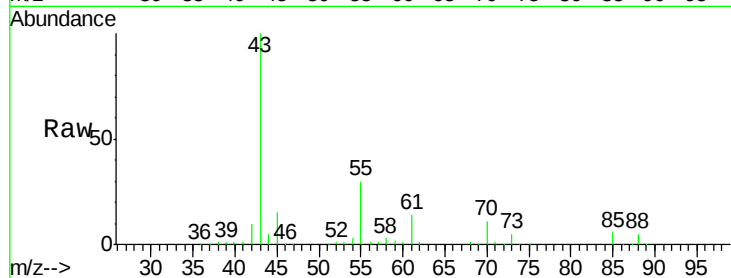
VSTDCCC020EC

Tot Ion: 43 Resp: 101579

Ion Ratio Lower Upper

43 100

45 15.1 11.8 17.6



#44

Isopropyl Acetate

Concen: 17.51 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001819.D

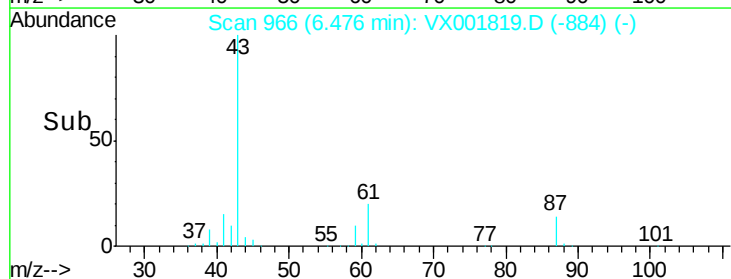
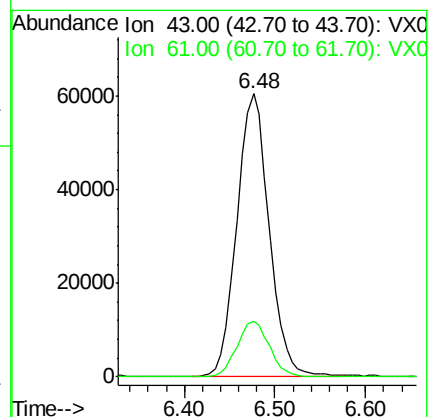
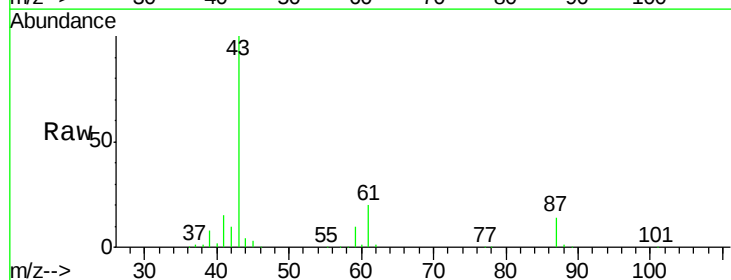
Acq: 18 May 2018 10:29

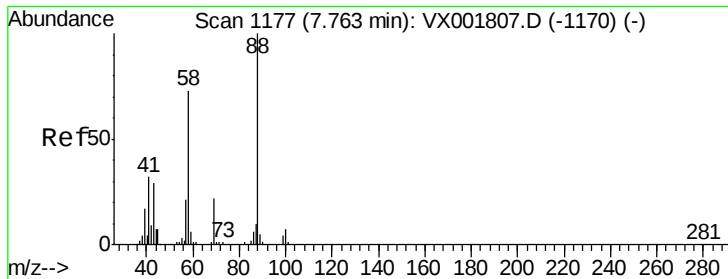
Tgt Ion: 43 Resp: 149892

Ion Ratio Lower Upper

43 100

61 19.8 16.6 24.8





#45

1,4-Dioxane

Concen: 357.50 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VX001819.D

Acq: 18 May 2018 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

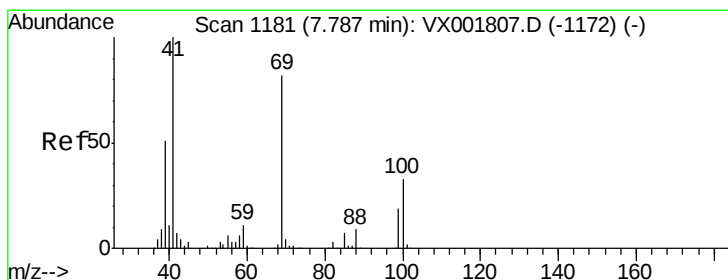
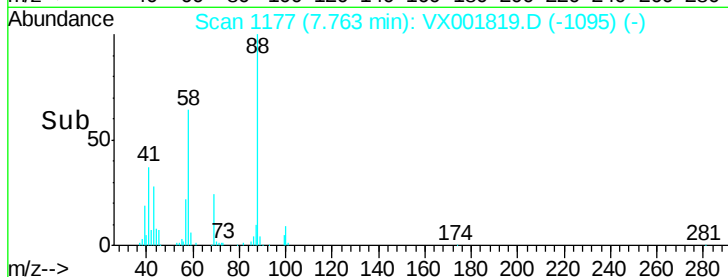
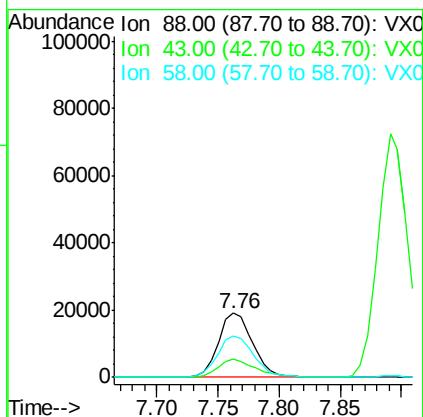
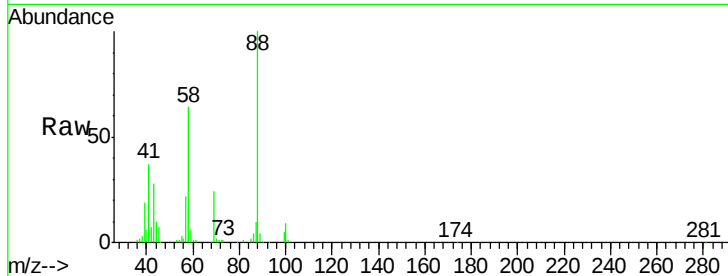
Tot Ion: 88 Resp: 37418

Ion Ratio Lower Upper

88 100

43 29.5 25.0 37.6

58 66.0 56.9 85.3



#46

Methyl methacrylate

Concen: 17.49 ug/l

RT: 7.79 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VX001819.D

Acq: 18 May 2018 10:29

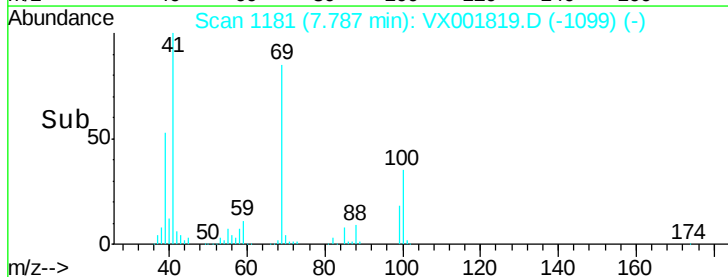
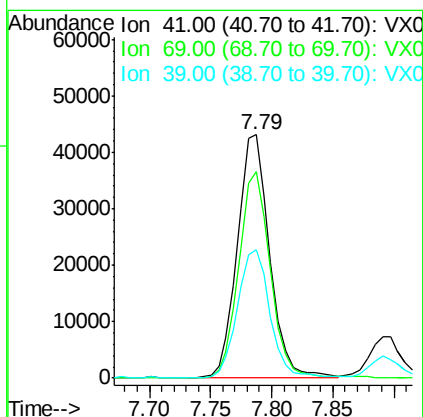
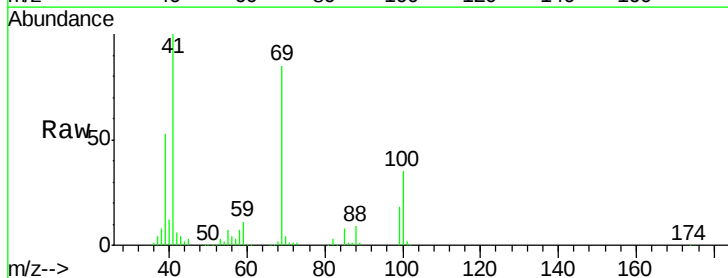
Tgt Ion: 41 Resp: 78759

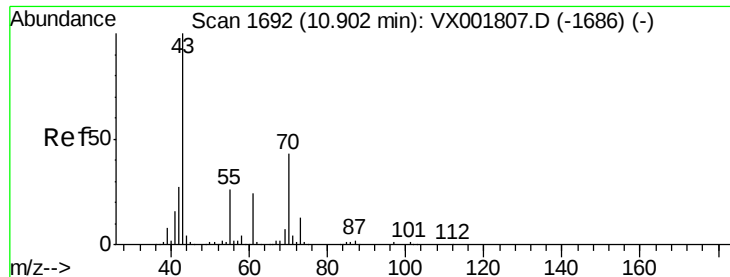
Ion Ratio Lower Upper

41 100

69 84.9 40.9 122.7

39 52.8 25.3 75.9





#47

n-amvl Acetate

Concen: 17.94 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX001819.D

Acq: 18 May 2018 10:29

Instrument :

MSVOA_X

ClientSampleId :

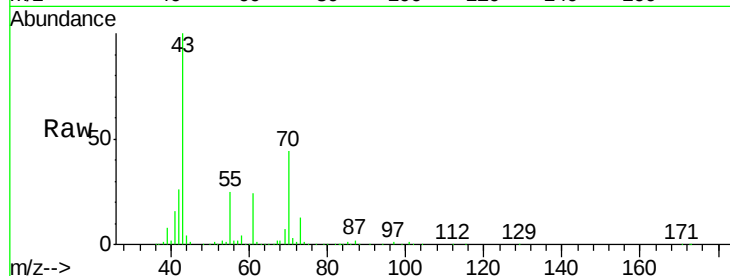
VSTDCCC020EC

Tot Ion: 43 Resp: 106268

Ion Ratio Lower Upper

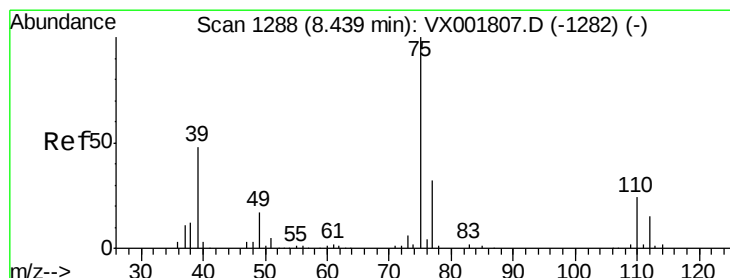
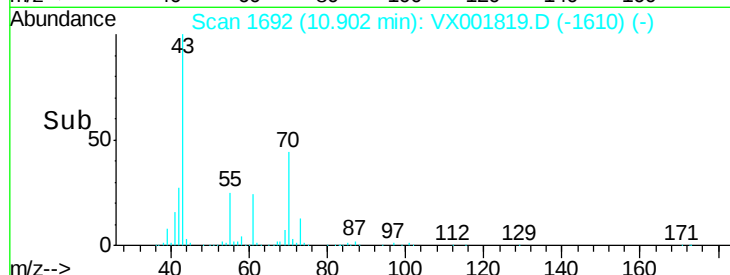
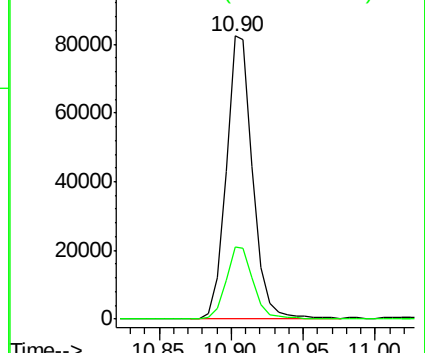
43 100

55 26.3 21.0 31.4



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: 17.82 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX001819.D

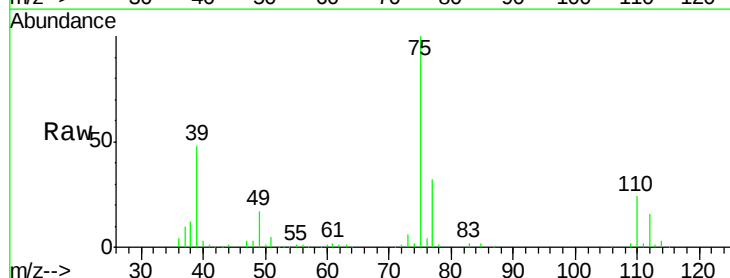
Acq: 18 May 2018 10:29

Tgt Ion: 75 Resp: 86540

Ion Ratio Lower Upper

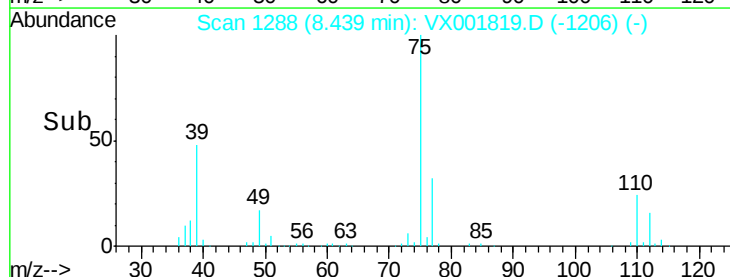
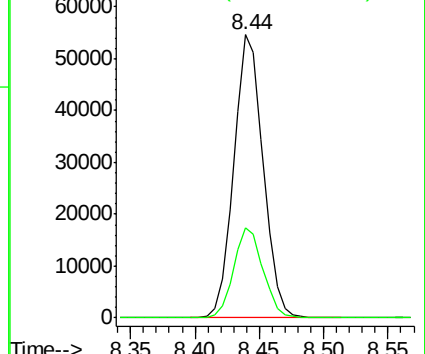
75 100

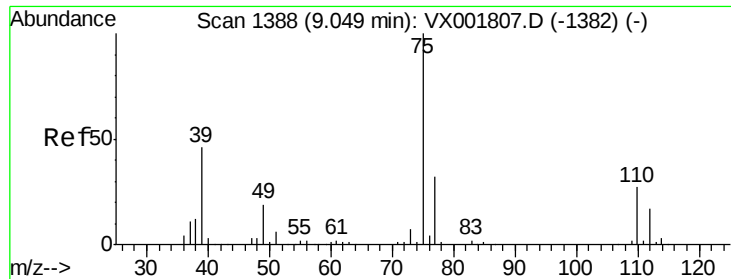
77 32.0 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

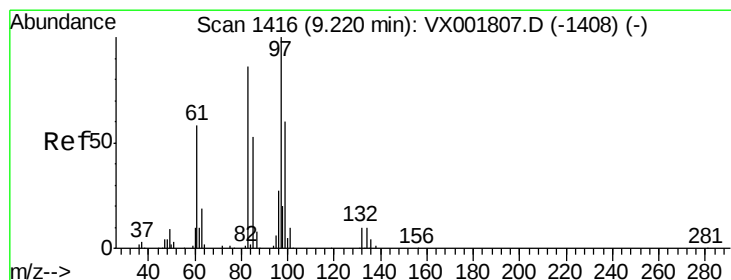
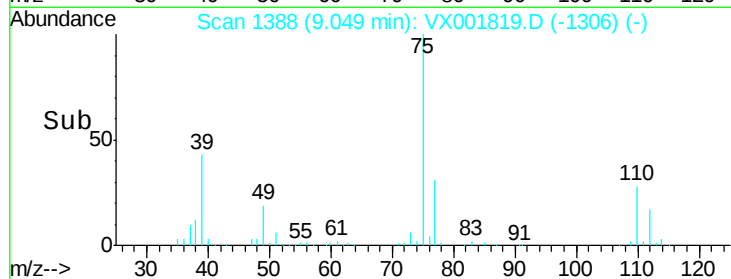
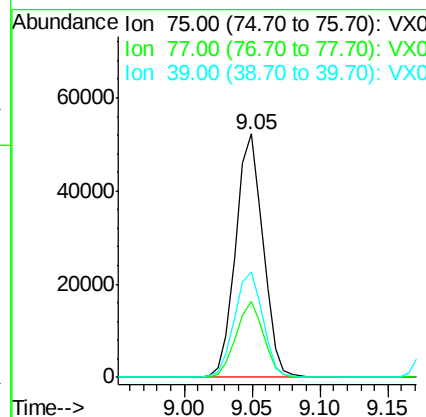
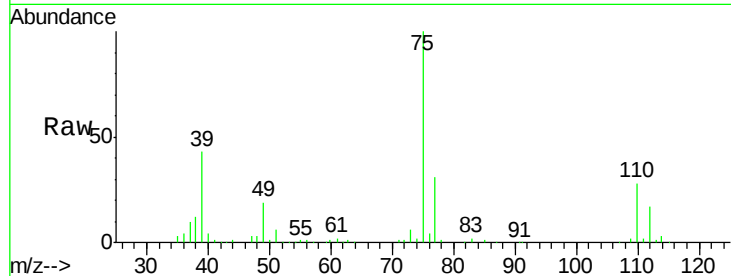




#49
 cis-1,3-Dichloropropene
 Concen: 17.30 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VX001819.D
 Acq: 18 May 2018 10:29

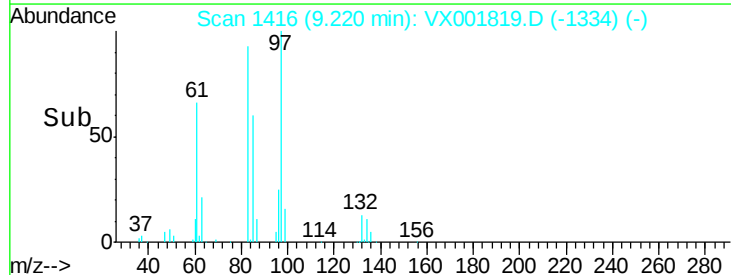
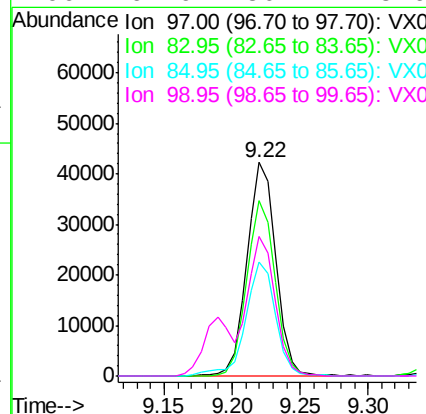
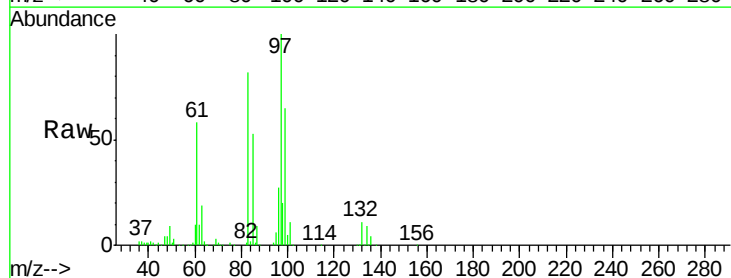
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

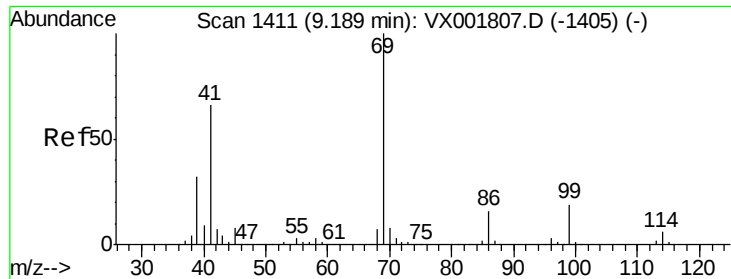
Tot Ion: 75 Resp: 73499
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.5 38.3
 39 43.3 37.0 55.4



#50
 1,1,2-Trichloroethane
 Concen: 17.47 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001819.D
 Acq: 18 May 2018 10:29

Tgt Ion: 97 Resp: 62867
 Ion Ratio Lower Upper
 97 100
 83 82.1 68.6 103.0
 85 53.0 42.5 63.7
 99 64.9 50.4 75.6





#51

Ethyl methacrylate

Concen: 17.69 ug/l

RT: 9.19 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VX001819.D

Acq: 18 May 2018 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

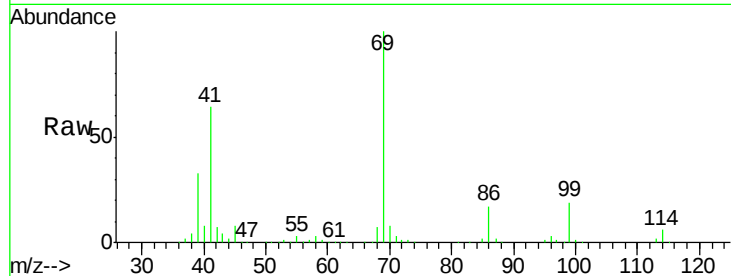
Tot Ion: 69 Resp: 86537

Ion Ratio Lower Upper

69 100

41 64.4 32.9 98.7

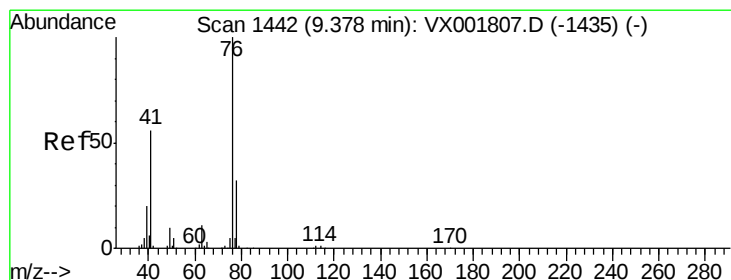
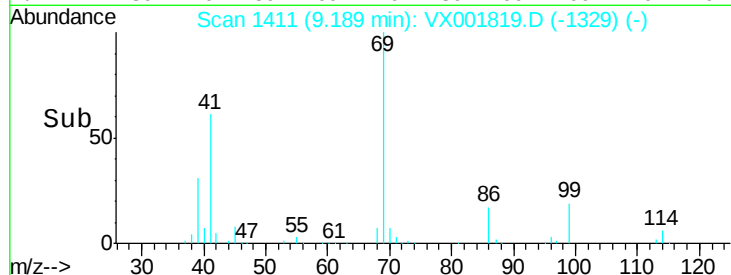
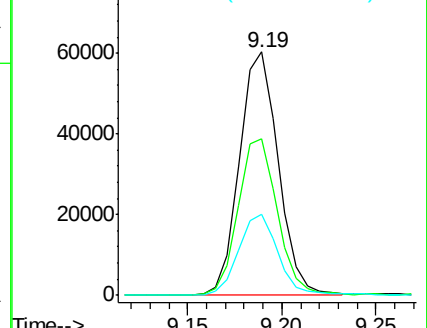
39 33.0 16.1 48.2



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 18.02 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX001819.D

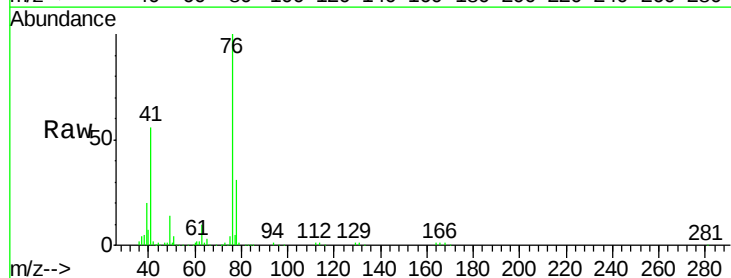
Acq: 18 May 2018 10:29

Tgt Ion: 76 Resp: 102837

Ion Ratio Lower Upper

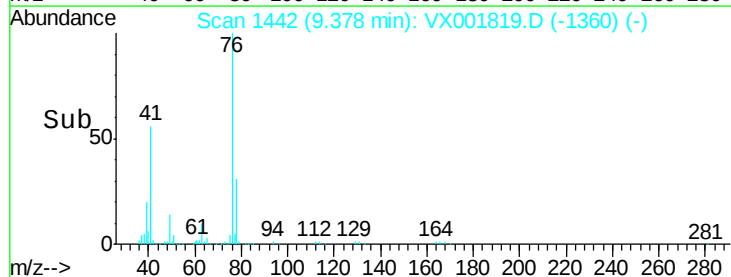
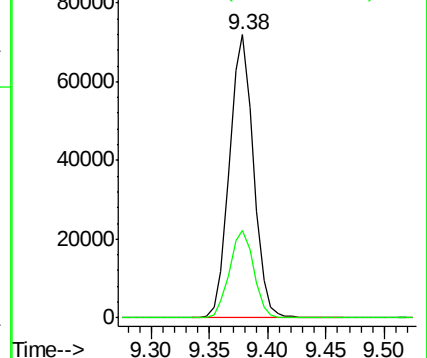
76 100

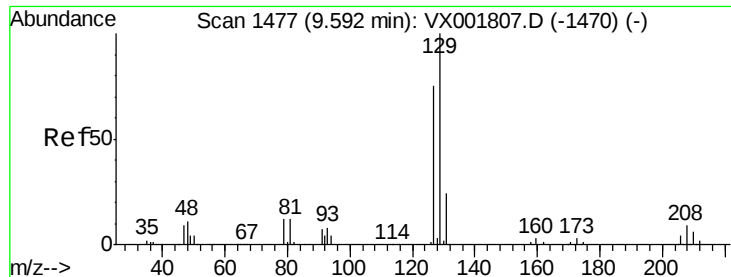
78 31.4 0.0 63.6



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 17.94 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.01 min

Lab File: VX001819.D

Acq: 18 May 2018 10:29

Instrument :

MSVOA_X

ClientSampleId :

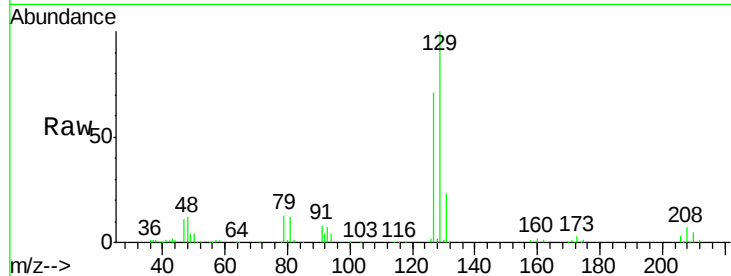
VSTDCCC020EC

Tot Ion:129 Resp: 62774

Ion Ratio Lower Upper

129 100

127 76.1 38.7 116.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

9.59

40000

30000

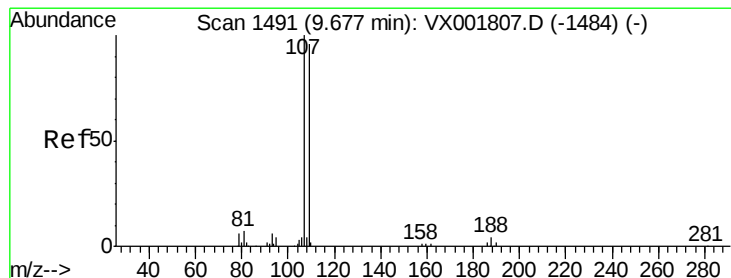
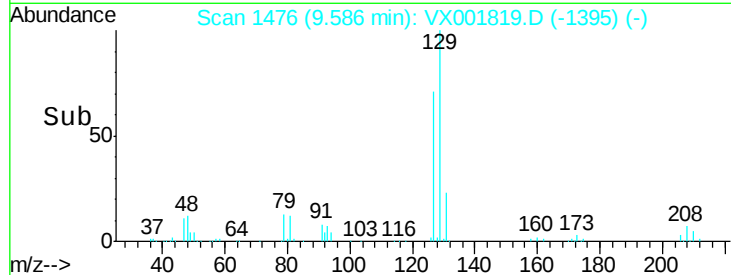
20000

10000

0

9.55 9.60 9.65

Time-->



#54

1,2-Dibromoethane

Concen: 17.59 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001819.D

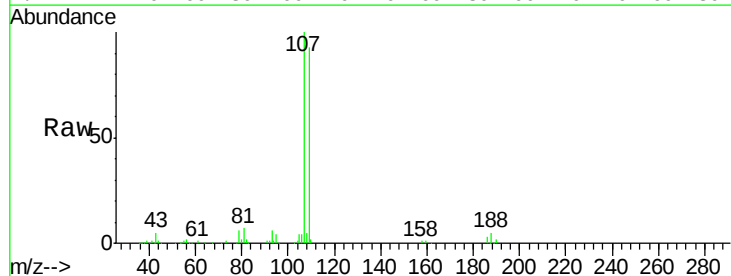
Acq: 18 May 2018 10:29

Tgt Ion:107 Resp: 64181

Ion Ratio Lower Upper

107 100

109 95.7 76.3 114.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.68

50000

40000

30000

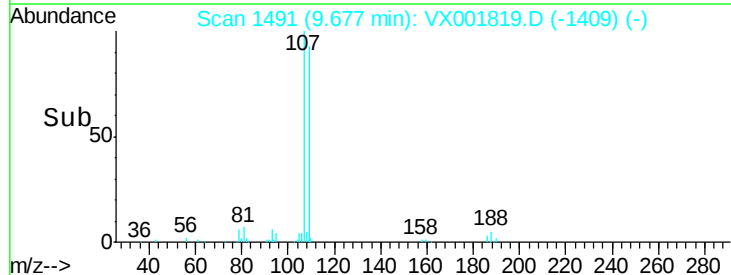
20000

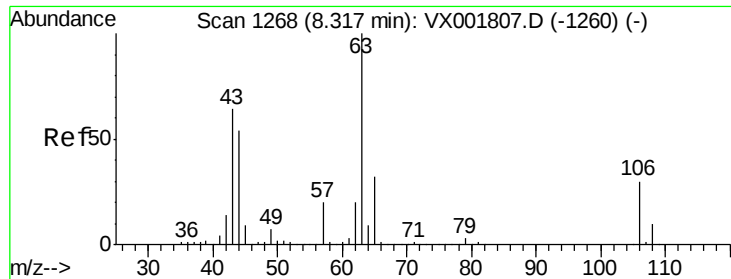
10000

0

9.60 9.65 9.70 9.75

Time-->

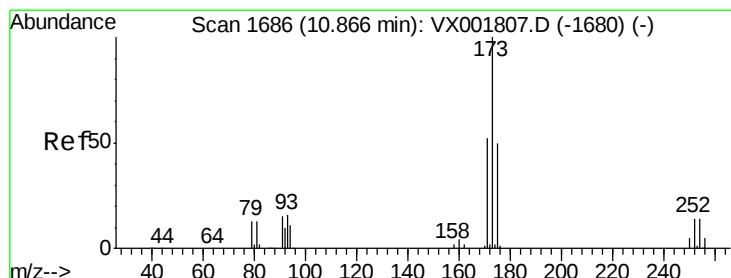
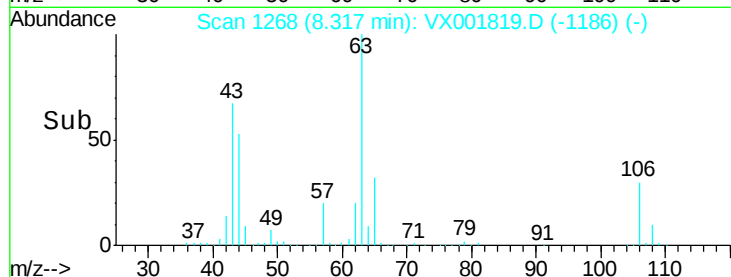
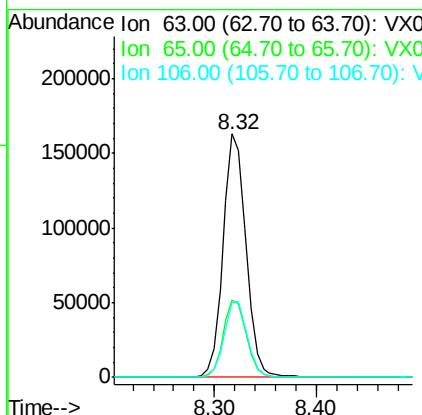
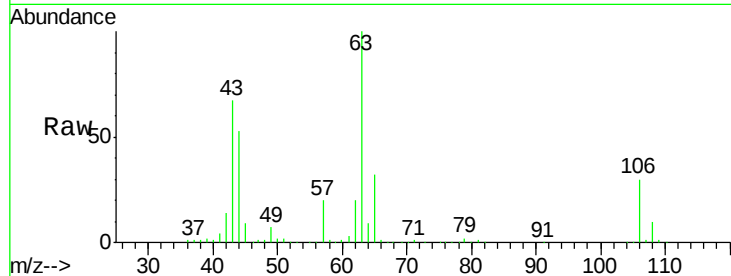




#55
2-Chloroethyl vinyl ether
Concen: 88.71 ug/l
RT: 8.32 min Scan# 1268
Delta R.T. 0.00 min
Lab File: VX001819.D
Acq: 18 May 2018 10:29

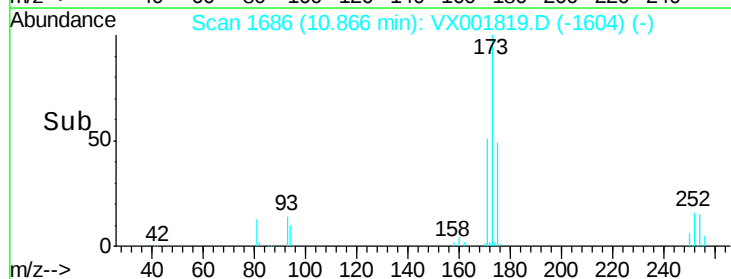
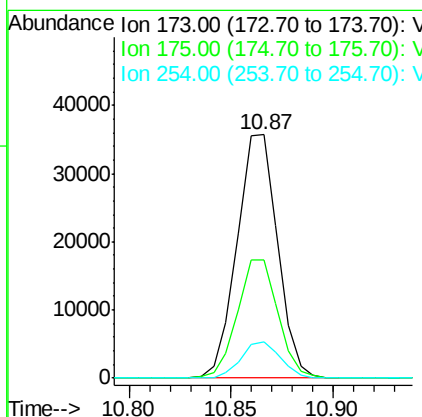
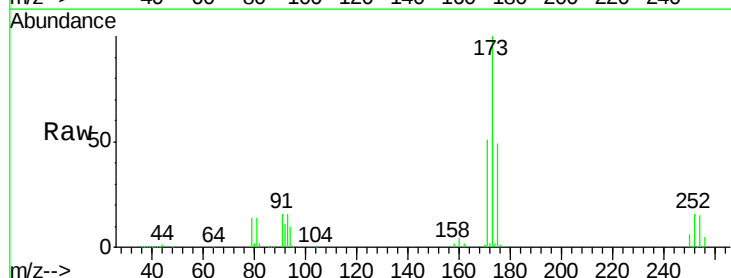
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

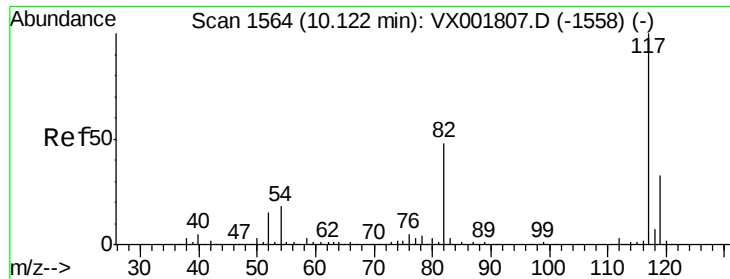
Tot Ion: 63 Resp: 253471
Ion Ratio Lower Upper
63 100
65 32.1 25.4 38.2
106 31.4 24.9 37.3



#56
Bromoform
Concen: 17.28 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VX001819.D
Acq: 18 May 2018 10:29

Tgt Ion: 173 Resp: 49415
Ion Ratio Lower Upper
173 100
175 48.8 38.8 58.2
254 14.4 10.7 16.1

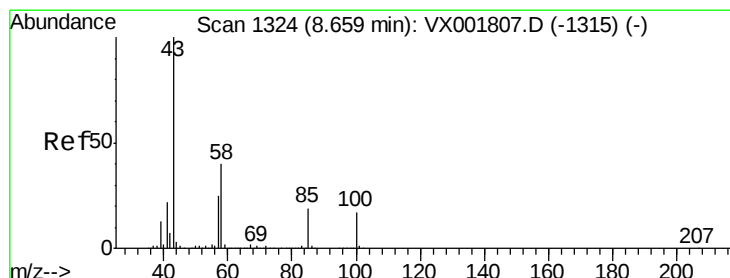
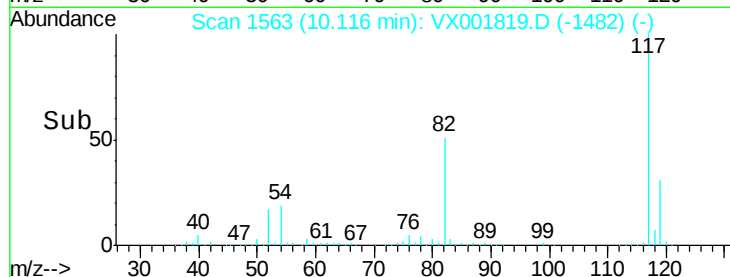
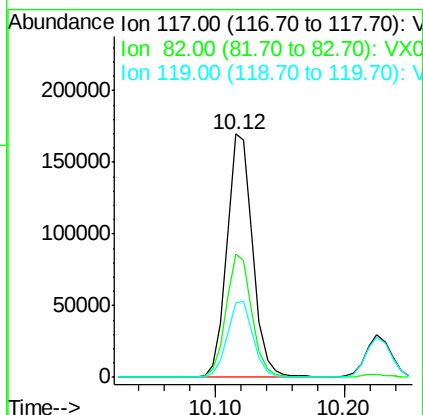
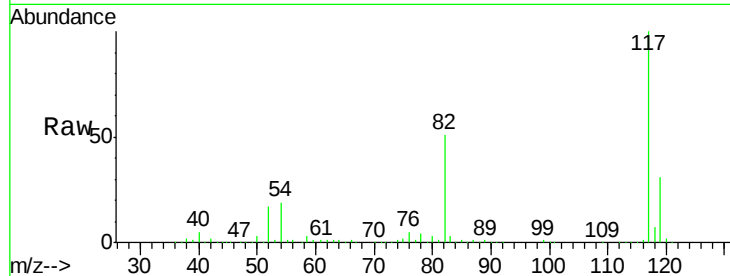




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001819.D
Acq: 18 May 2018 10:29

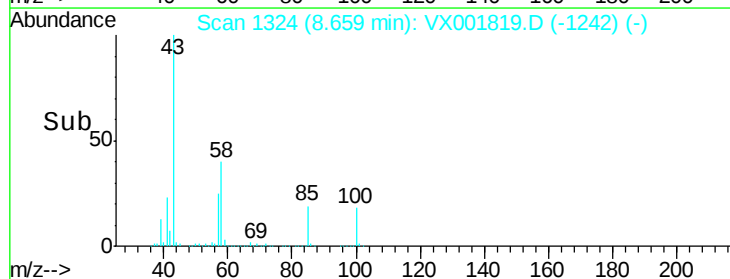
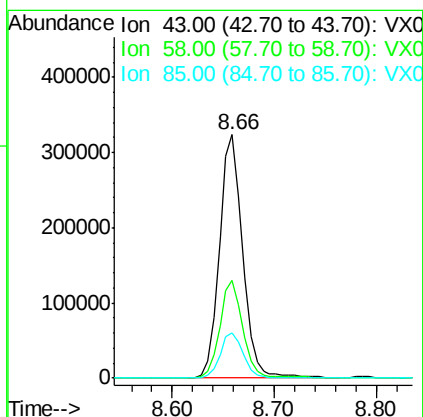
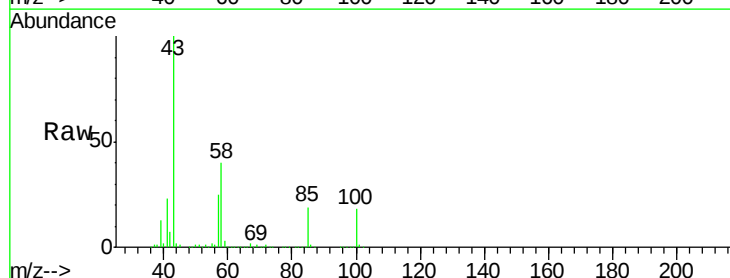
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

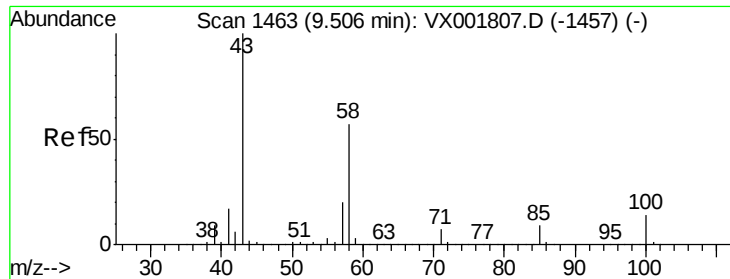
Tot Ion:117 Resp: 238562
Ion Ratio Lower Upper
117 100
82 50.5 40.1 60.1
119 31.5 26.0 39.0



#58
4-Methyl-2-Pentanone
Concen: 86.35 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. 0.00 min
Lab File: VX001819.D
Acq: 18 May 2018 10:29

Tgt Ion: 43 Resp: 514955
Ion Ratio Lower Upper
43 100
58 39.1 31.3 46.9
85 18.4 14.5 21.7

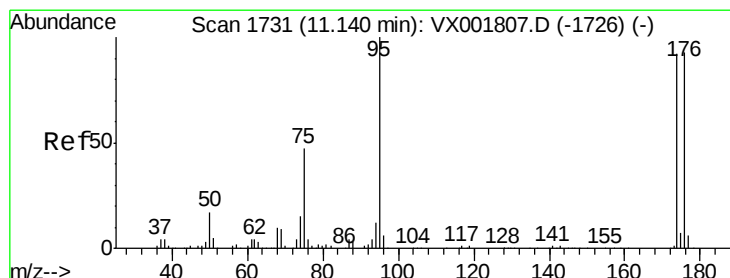
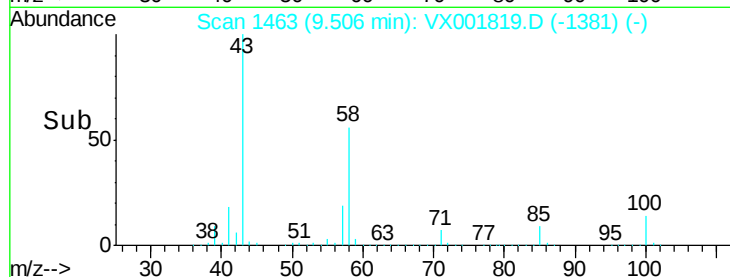
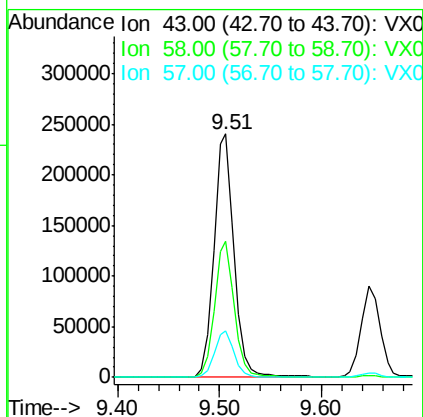
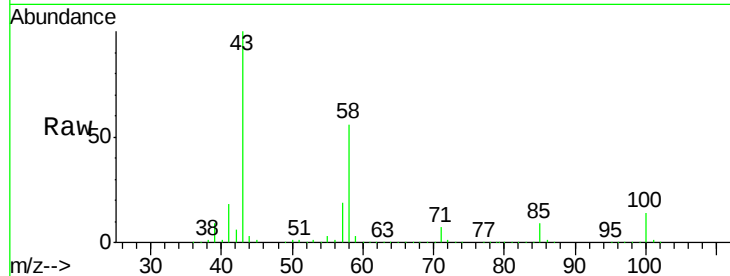




#59
2-Hexanone
Concen: 85.41 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001819.D
Acq: 18 May 2018 10:29

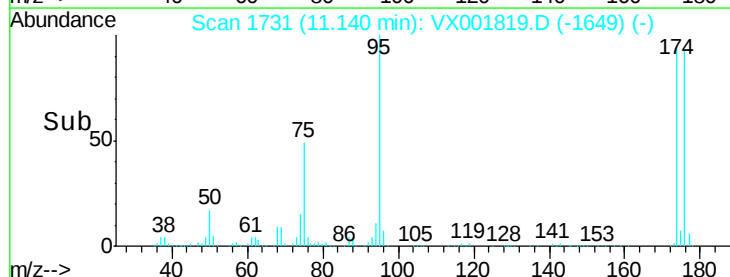
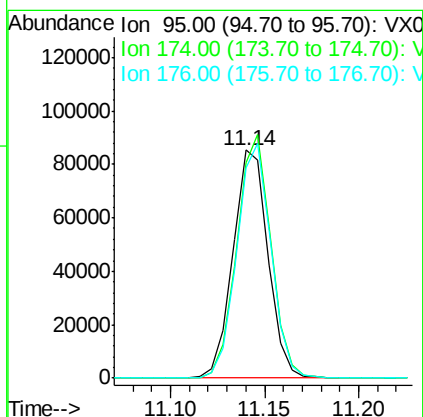
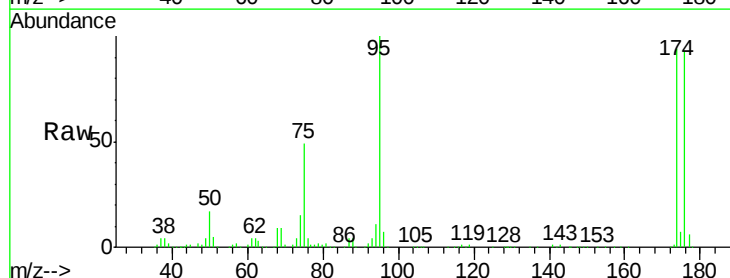
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

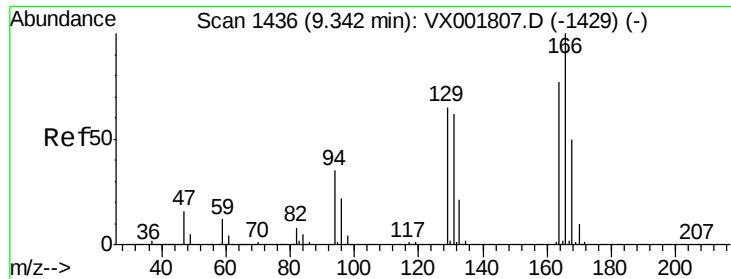
Tot Ion: 43 Resp: 334130
Ion Ratio Lower Upper
43 100
58 55.0 44.6 66.8
57 18.9 15.5 23.3



#60
4-Bromofluorobenzene
Concen: 31.00 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001819.D
Acq: 18 May 2018 10:29

Tgt Ion: 95 Resp: 109954
Ion Ratio Lower Upper
95 100
174 104.1 82.0 123.0
176 100.7 80.6 120.8





#61

Tetrachloroethene

Concen: 23.87 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.00 min

Lab File: VX001819.D

Acq: 18 May 2018 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:164 Resp: 83846

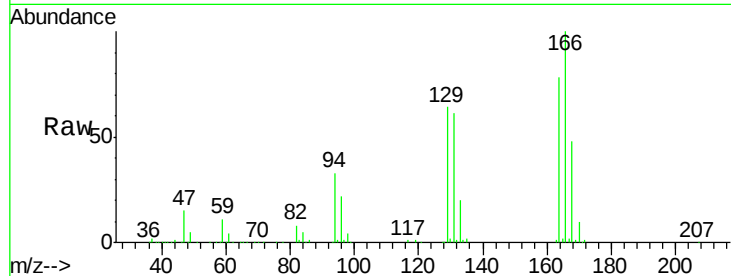
Ion Ratio Lower Upper

164 100

166 128.3 104.1 156.1

129 81.6 67.8 101.8

131 77.7 64.6 97.0

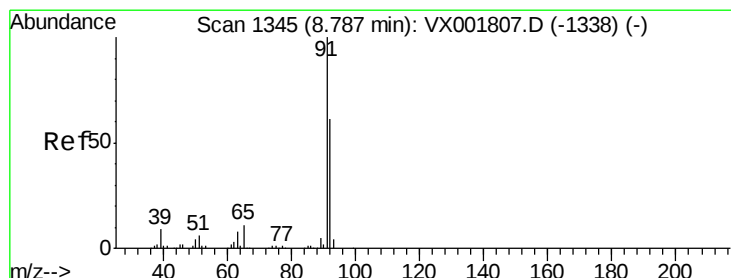
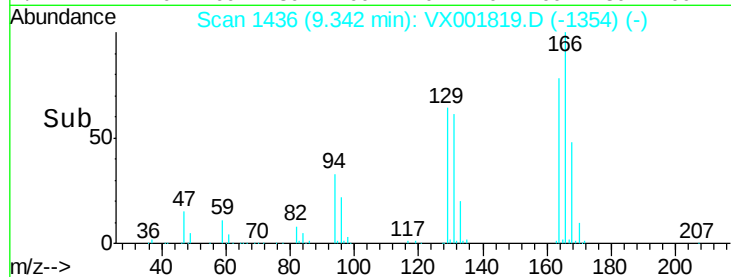
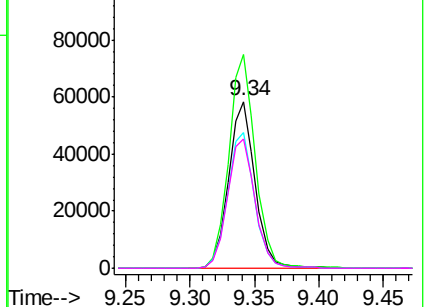


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.83 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX001819.D

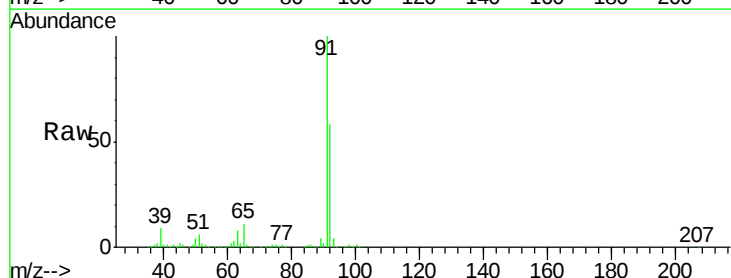
Acq: 18 May 2018 10:29

Tgt Ion: 91 Resp: 286941

Ion Ratio Lower Upper

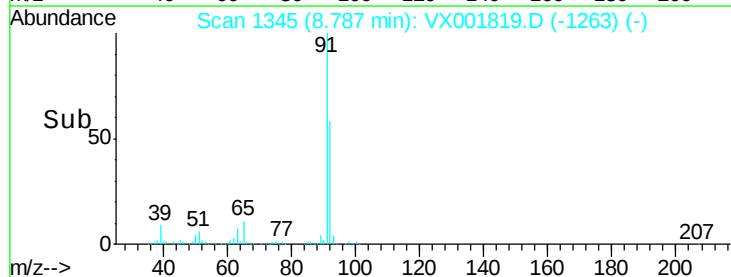
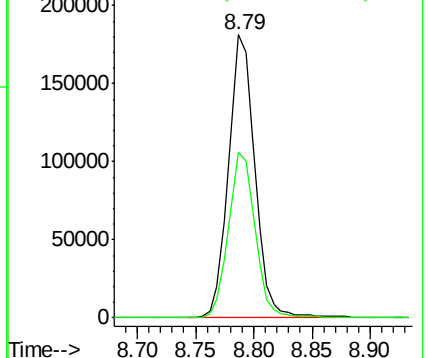
91 100

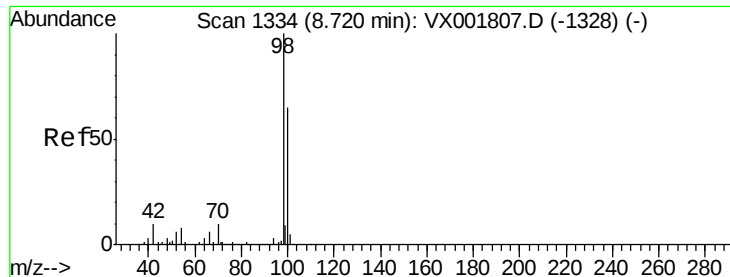
92 59.1 47.8 71.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.31 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001819.D

Acq: 18 May 2018 10:29

Instrument :

MSVOA_X

ClientSampleId :

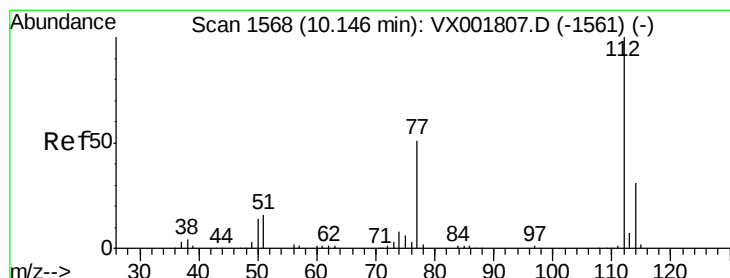
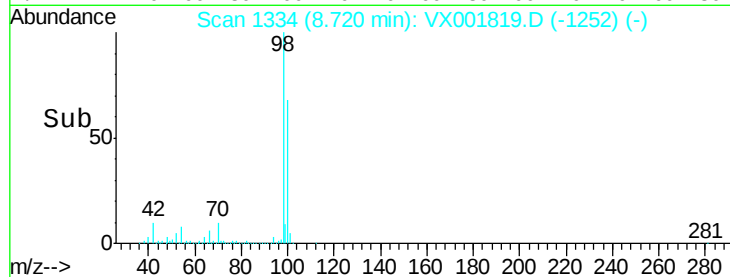
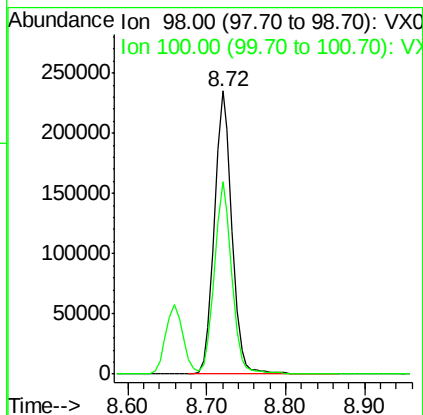
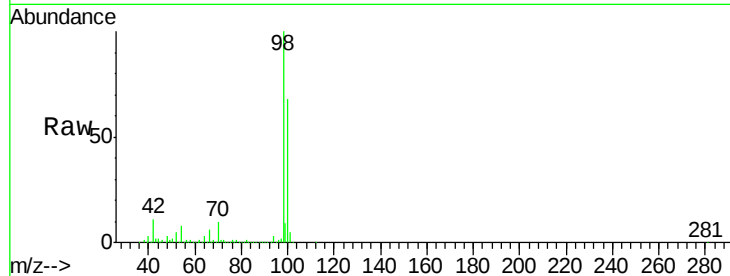
VSTDCCC020EC

Tot Ion: 98 Resp: 365397

Ion Ratio Lower Upper

98 100

100 66.6 53.1 79.7



#64

Chlorobenzene

Concen: 20.44 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX001819.D

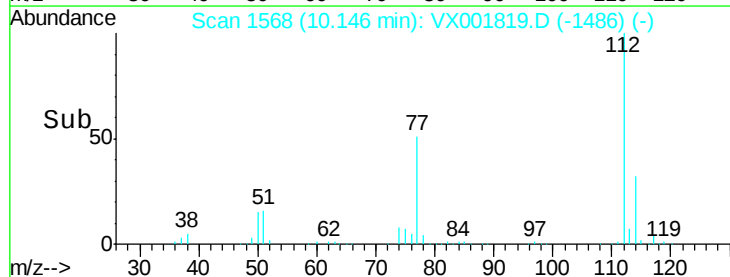
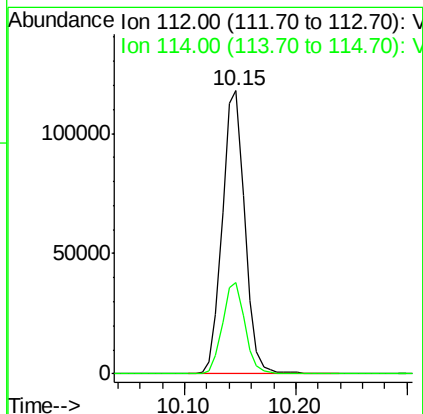
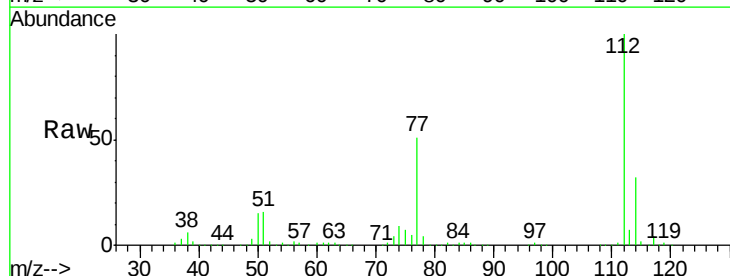
Acq: 18 May 2018 10:29

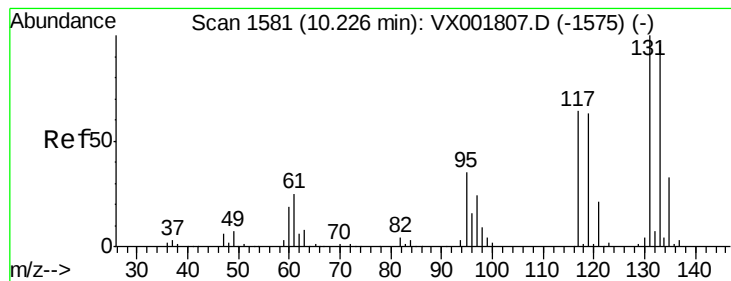
Tgt Ion: 112 Resp: 164883

Ion Ratio Lower Upper

112 100

114 32.3 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 18.79 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX001819.D

Acq: 18 May 2018 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

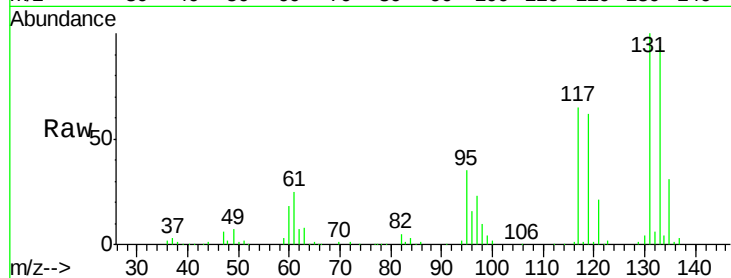
Tot Ion:131 Resp: 61152

Ion Ratio Lower Upper

131 100

133 96.1 0.0 192.2

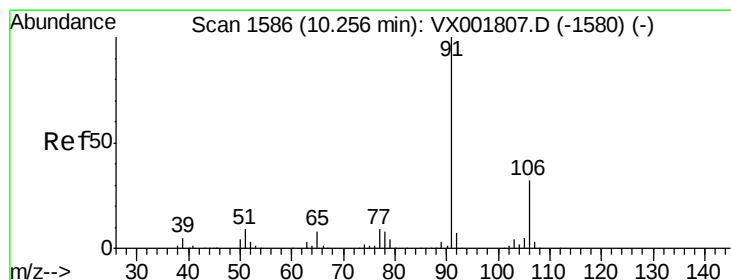
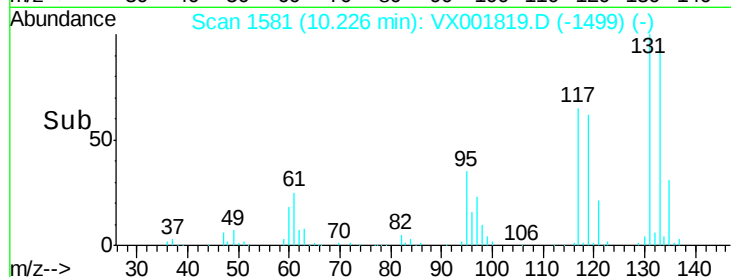
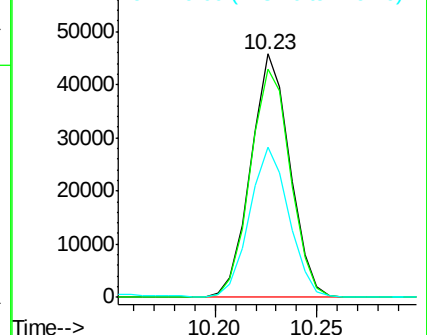
119 62.1 0.0 125.4



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: 23.08 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX001819.D

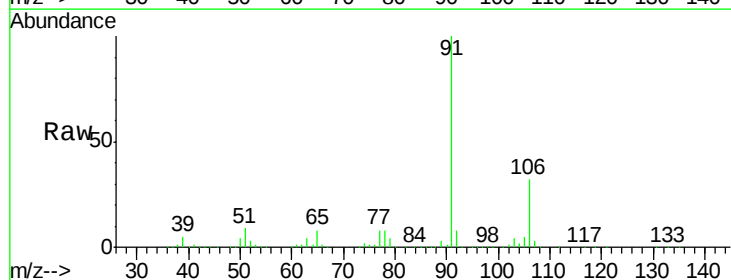
Acq: 18 May 2018 10:29

Tgt Ion: 91 Resp: 264299

Ion Ratio Lower Upper

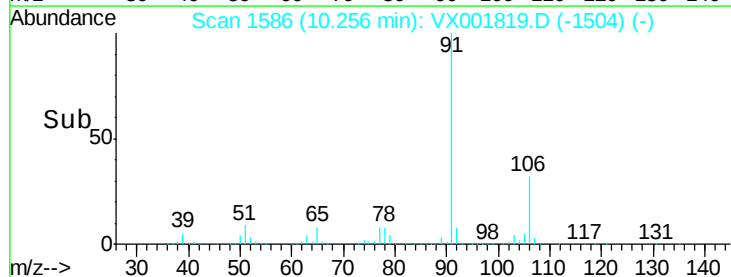
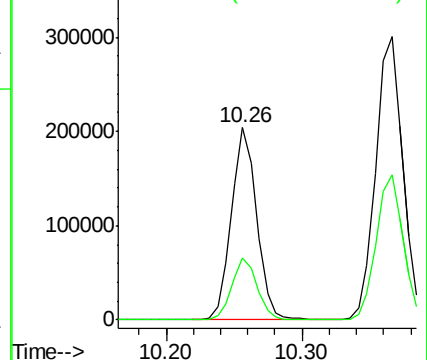
91 100

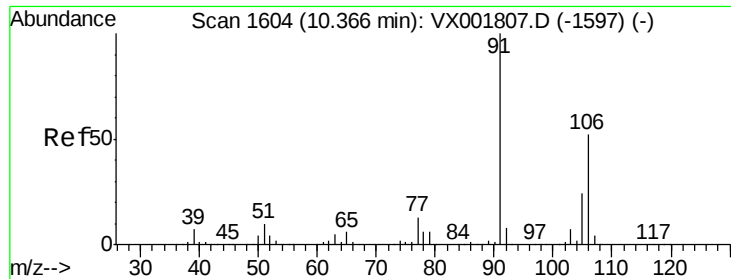
106 32.3 25.8 38.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 46.29 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX001819.D

Acq: 18 May 2018 10:29

Instrument :

MSVOA_X

ClientSampleId :

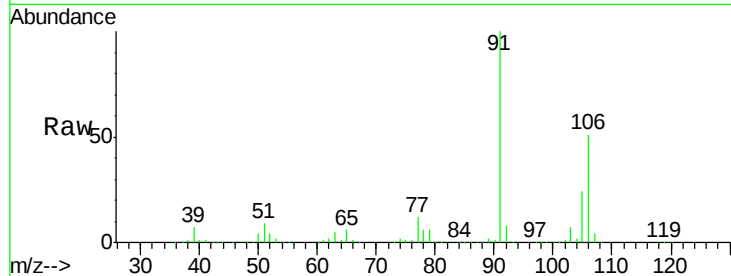
VSTDCCC020EC

Tot Ion:106 Resp: 211922

Ion Ratio Lower Upper

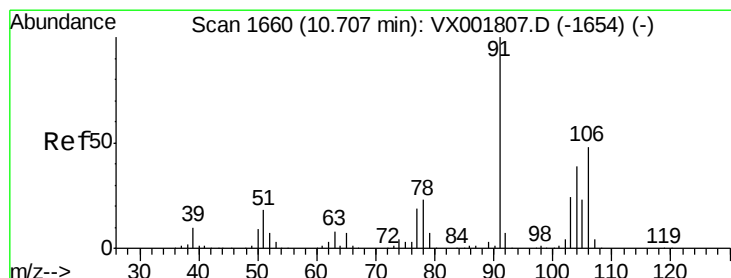
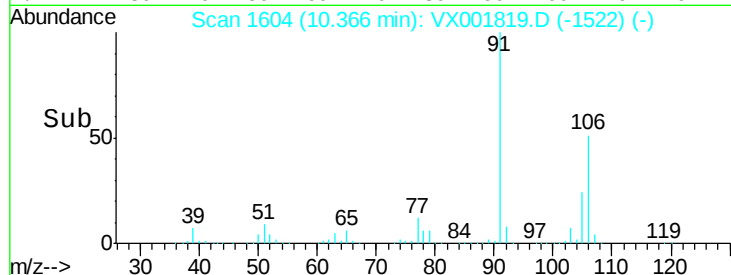
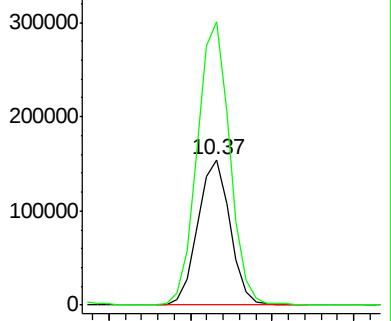
106 100

91 194.6 154.7 232.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 22.05 ug/l

RT: 10.71 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VX001819.D

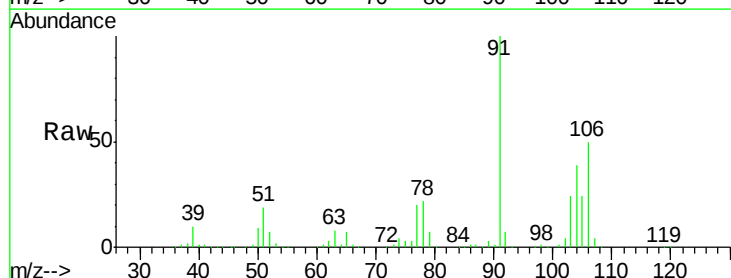
Acq: 18 May 2018 10:29

Tgt Ion:106 Resp: 103882

Ion Ratio Lower Upper

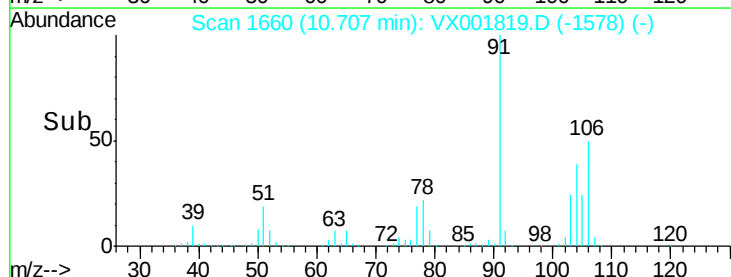
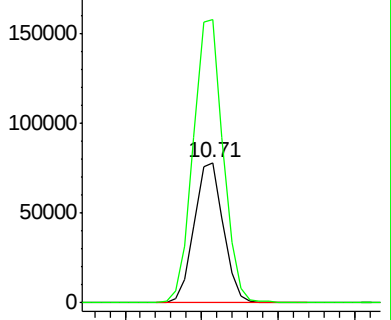
106 100

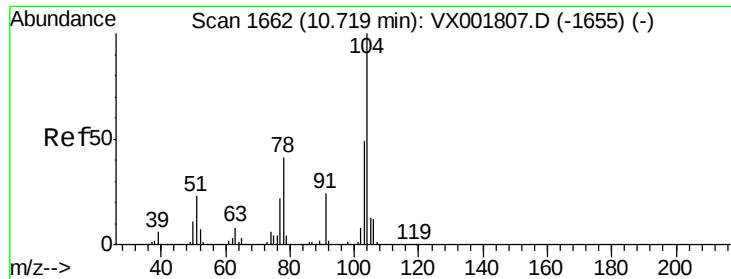
91 206.4 104.3 312.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

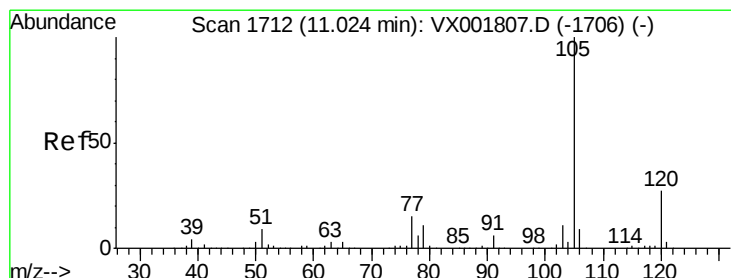
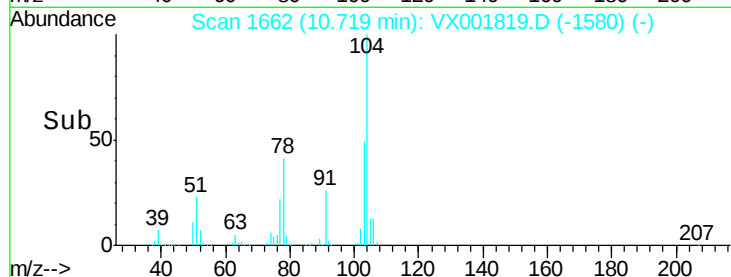
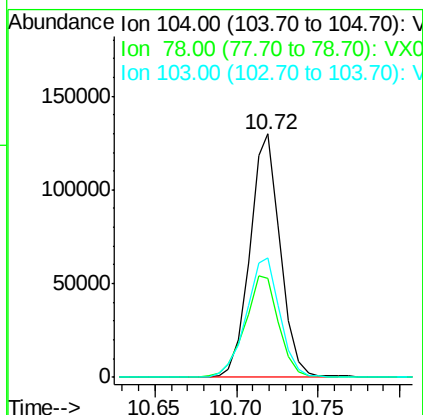
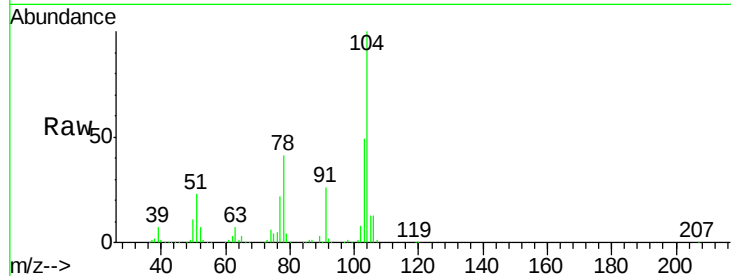




#69
Stvrene
Concen: 21.42 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001819.D
Acq: 18 May 2018 10:29

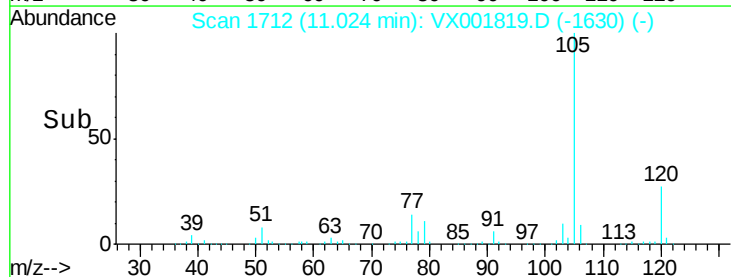
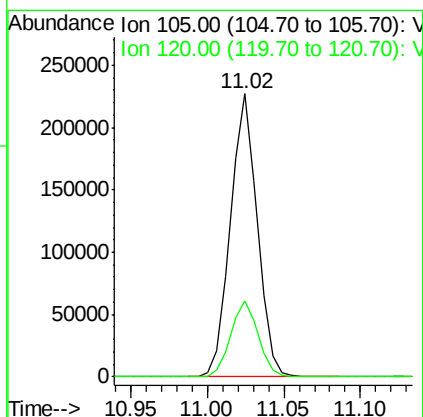
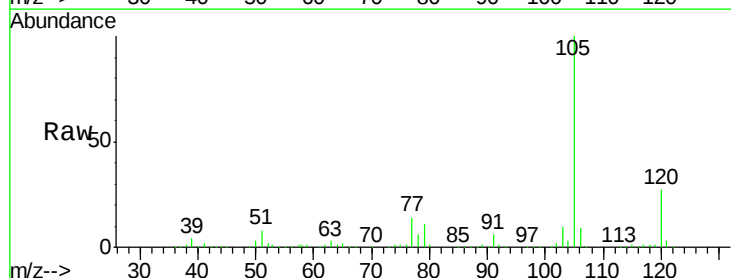
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

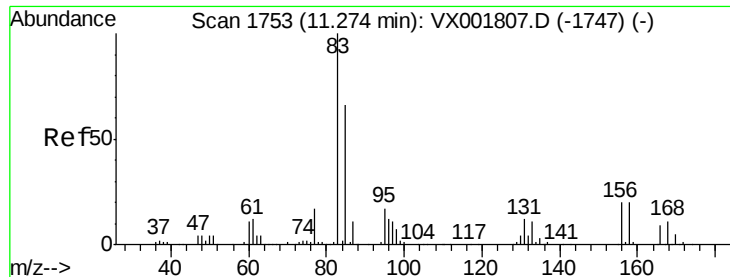
Tot Ion:104 Resp: 168271
Ion Ratio Lower Upper
104 100
78 46.9 37.0 55.6
103 54.3 43.5 65.3



#70
Isopropylbenzene
Concen: 24.98 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VX001819.D
Acq: 18 May 2018 10:29

Tgt Ion:105 Resp: 276134
Ion Ratio Lower Upper
105 100
120 27.5 19.3 35.9

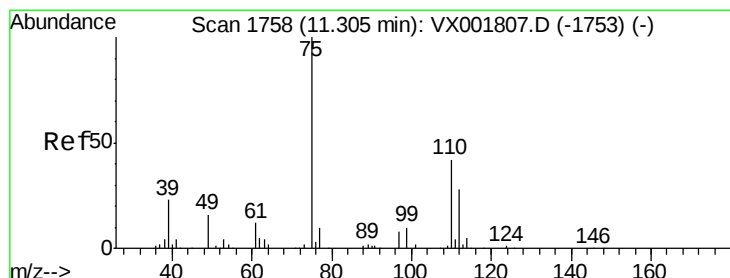
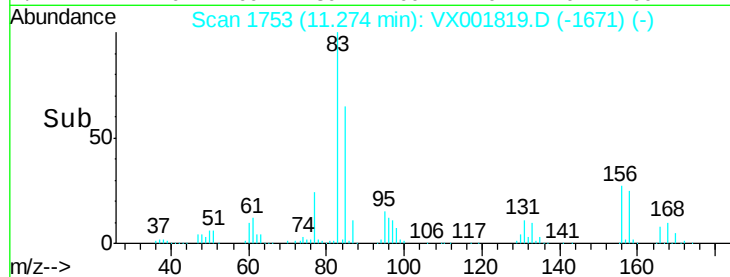
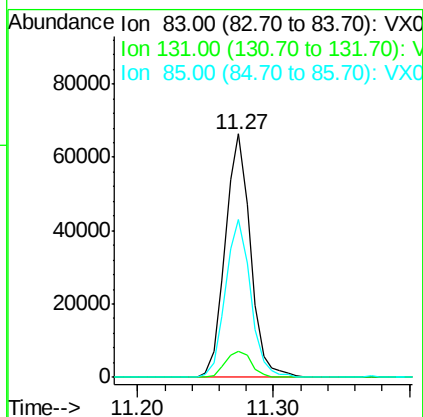
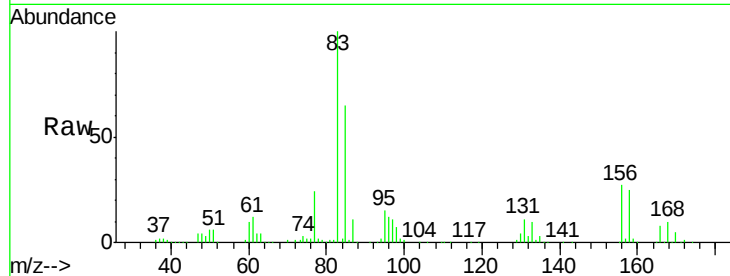




#71
 1,1,2,2-Tetrachloroethane
 Concen: 17.01 ug/l
 RT: 11.27 min Scan# 1753
 Delta R.T. 0.00 min
 Lab File: VX001819.D
 Acq: 18 May 2018 10:29

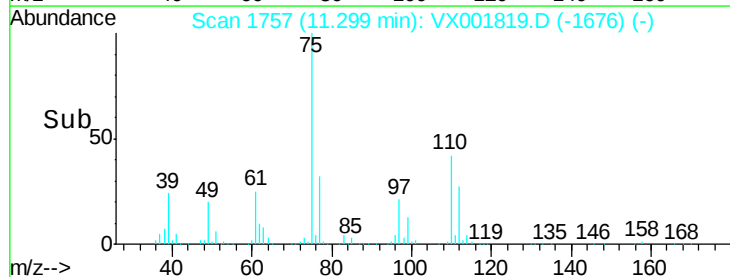
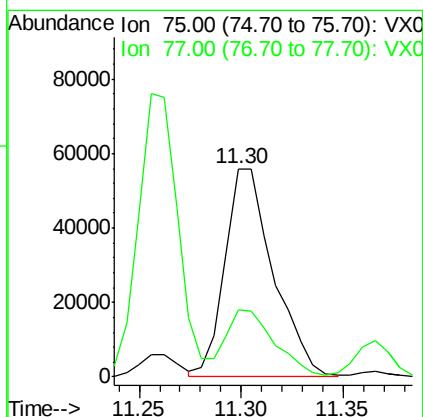
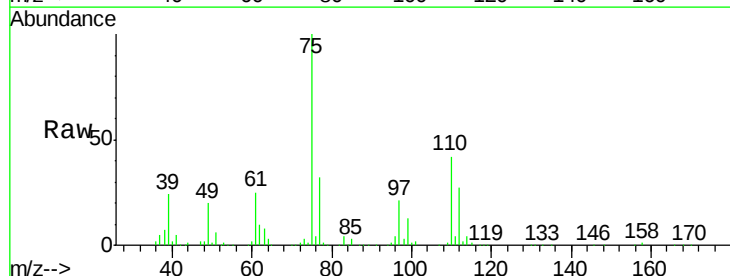
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

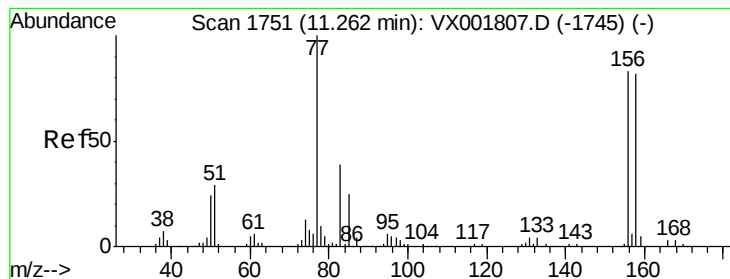
Tot Ion: 83 Resp: 85471
 Ion Ratio Lower Upper
 83 100
 131 11.3 5.8 17.3
 85 65.2 32.3 96.9



#72
 1,2,3-Trichloropropane
 Concen: 19.31 ug/l
 RT: 11.30 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VX001819.D
 Acq: 18 May 2018 10:29

Tgt Ion: 75 Resp: 92318
 Ion Ratio Lower Upper
 75 100
 77 31.2 0.0 74.6





#73

Bromobenzene

Concen: 20.24 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001819.D

Acq: 18 May 2018 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

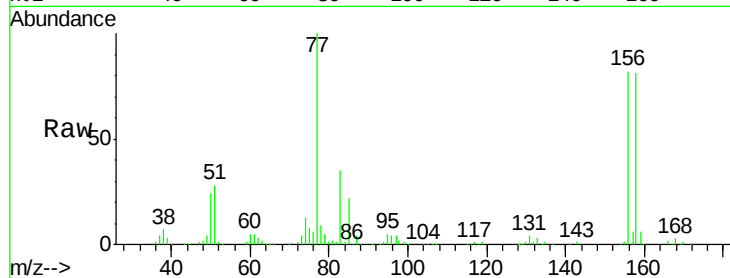
Tot Ion:156 Resp: 79334

Ion Ratio Lower Upper

156 100

77 130.8 0.0 261.8

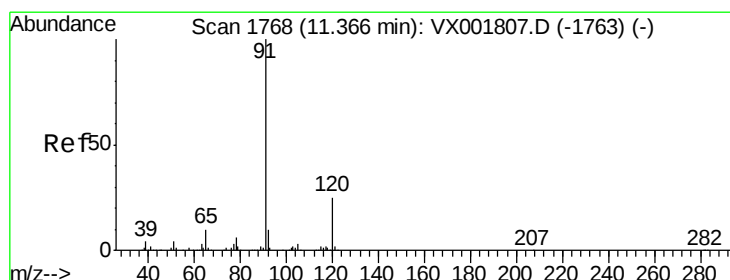
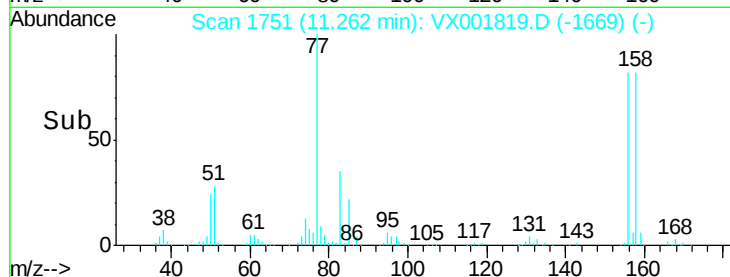
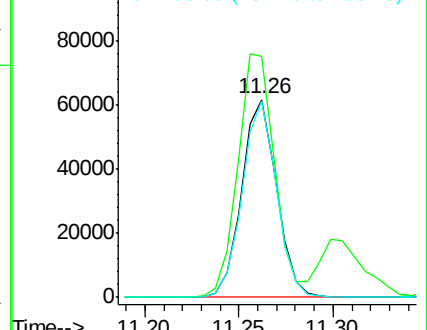
158 98.2 0.0 198.2



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: 25.89 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001819.D

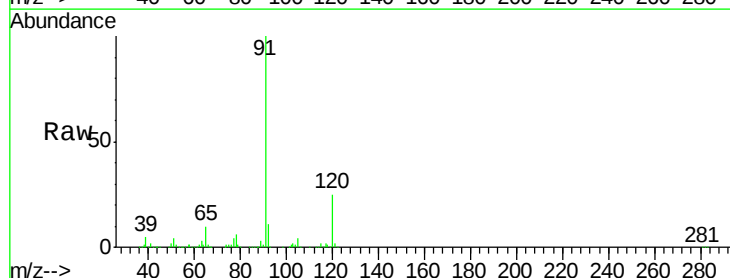
Acq: 18 May 2018 10:29

Tgt Ion: 91 Resp: 297856

Ion Ratio Lower Upper

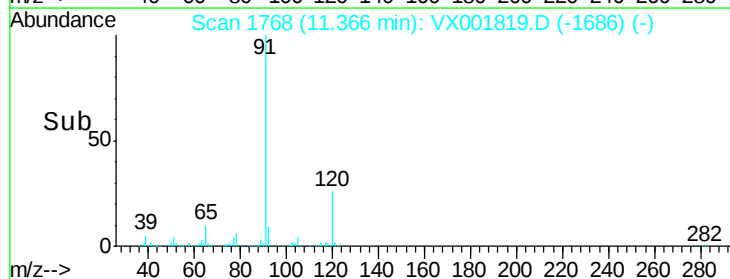
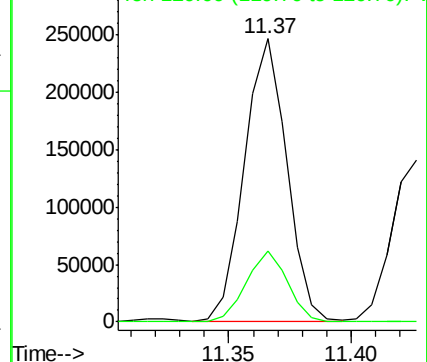
91 100

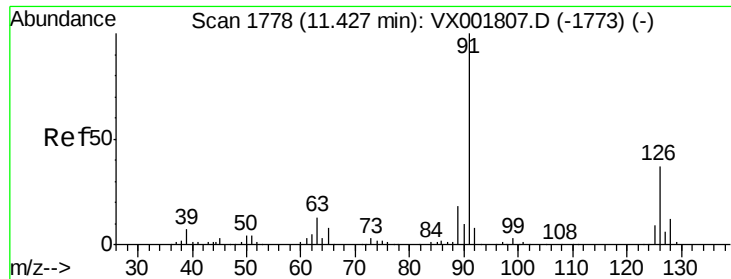
120 24.5 0.0 49.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 22.99 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001819.D

Acq: 18 May 2018 10:29

Instrument :

MSVOA_X

ClientSampleId :

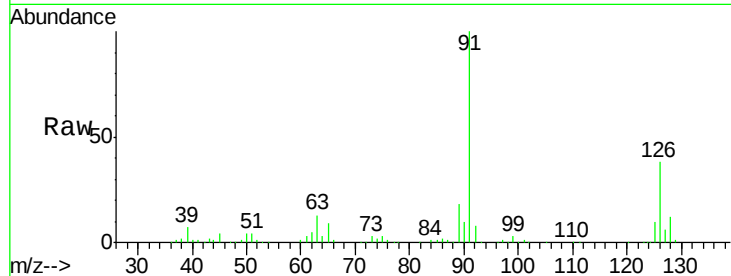
VSTDCCC020EC

Tot Ion: 91 Resp: 182180

Ion Ratio Lower Upper

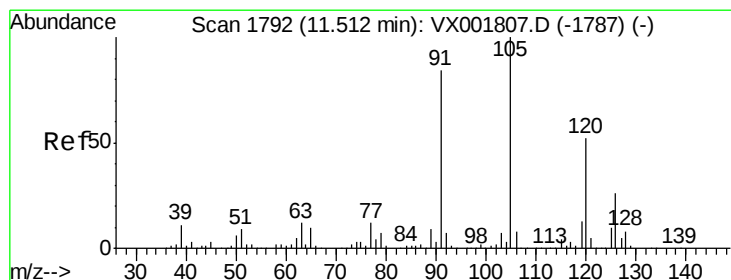
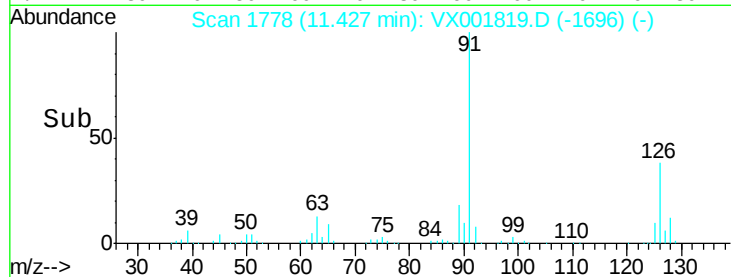
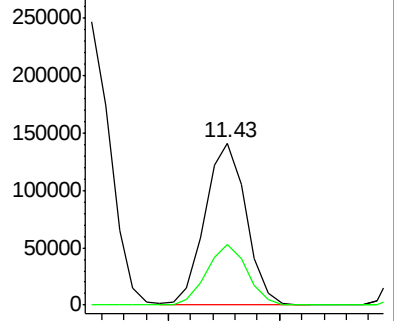
91 100

126 37.0 0.0 72.0



Abundance Ion 91.00 (90.70 to 91.70): VX001807.D (-1773) (-)

Ion 126.00 (125.70 to 126.70): VX001807.D (-1773) (-)



#76

1,3,5-Trimethylbenzene

Concen: 25.02 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001819.D

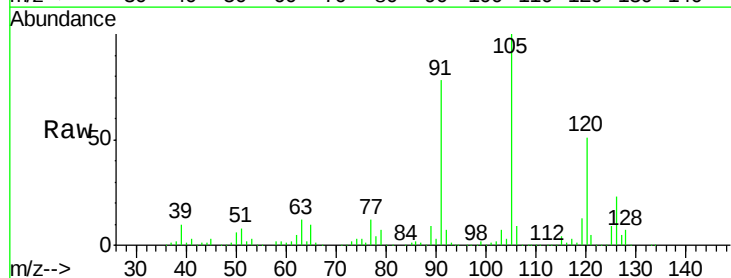
Acq: 18 May 2018 10:29

Tgt Ion: 105 Resp: 229958

Ion Ratio Lower Upper

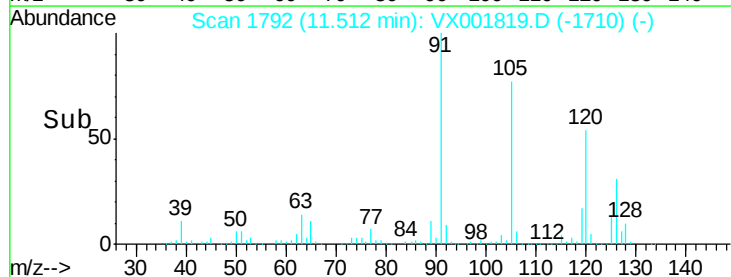
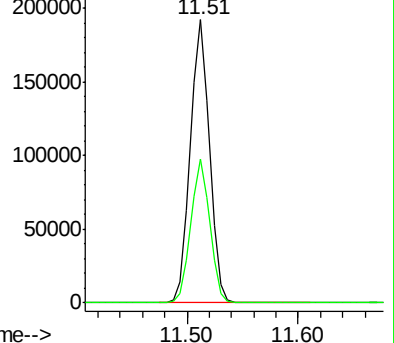
105 100

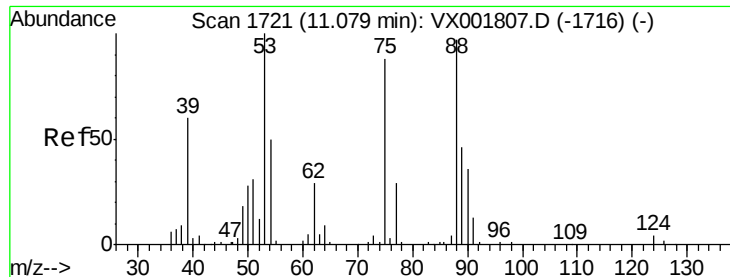
120 50.5 0.0 103.0



Abundance Ion 105.00 (104.70 to 105.70): VX001807.D (-1787) (-)

Ion 120.00 (119.70 to 120.70): VX001807.D (-1787) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 15.90 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001819.D

Acq: 18 May 2018 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

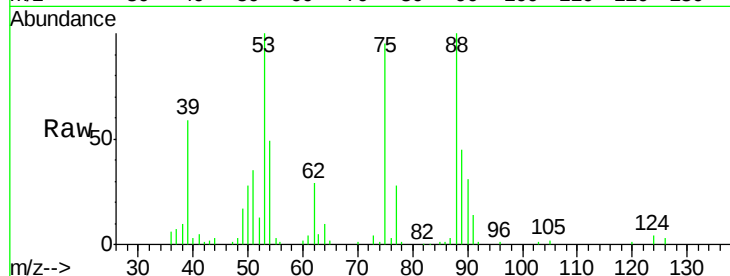
Tot Ion: 75 Resp: 16216

Ion Ratio Lower Upper

75 100

53 105.4 57.0 170.8

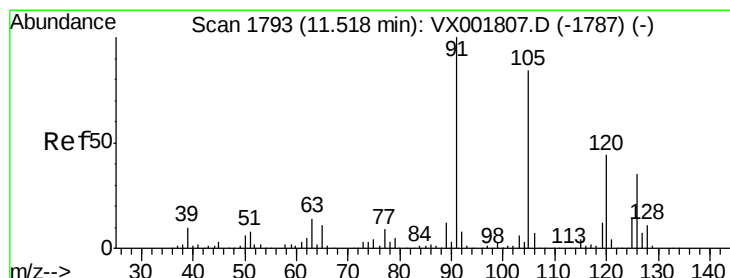
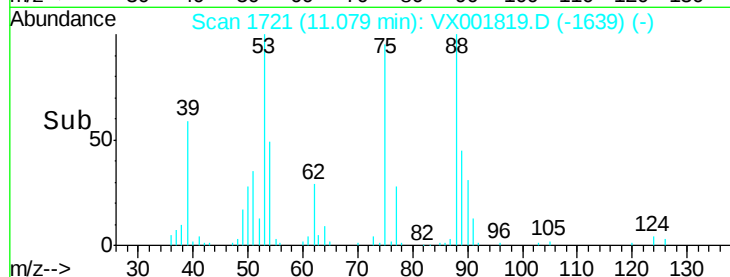
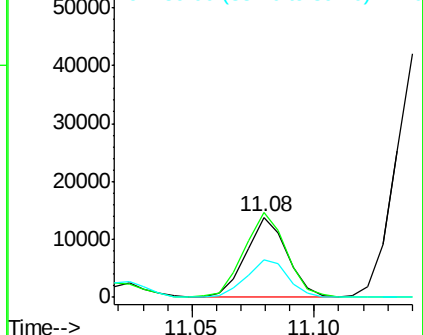
89 47.1 26.3 78.9



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 23.69 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX001819.D

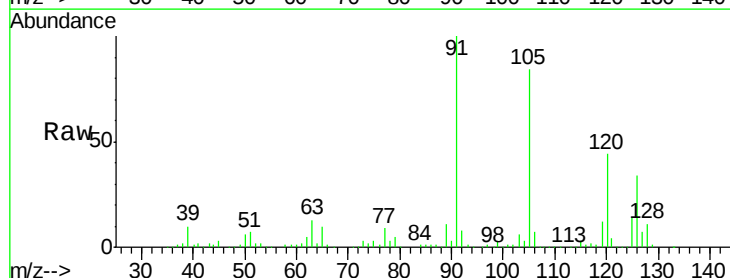
Acq: 18 May 2018 10:29

Tgt Ion: 91 Resp: 207053

Ion Ratio Lower Upper

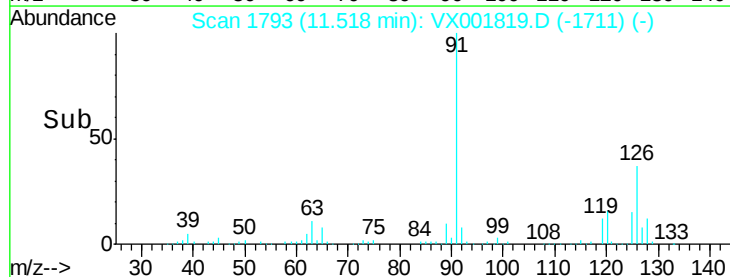
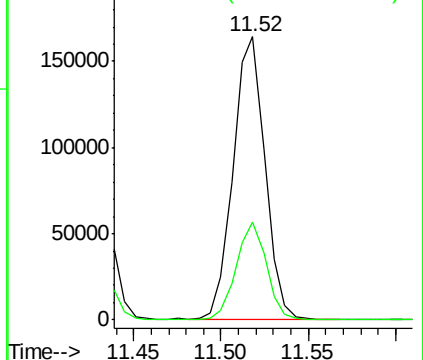
91 100

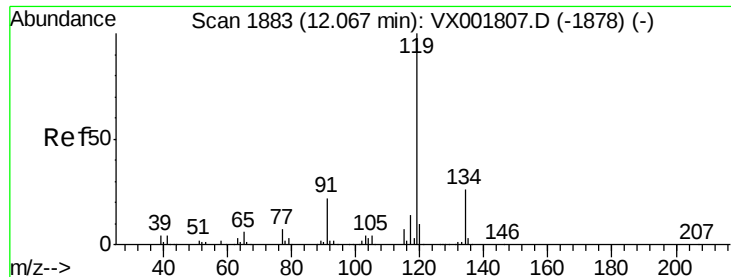
126 32.9 0.0 64.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

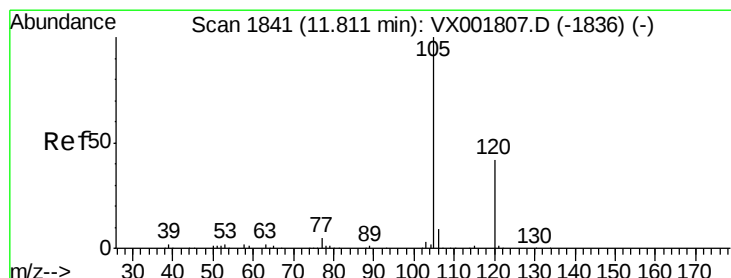
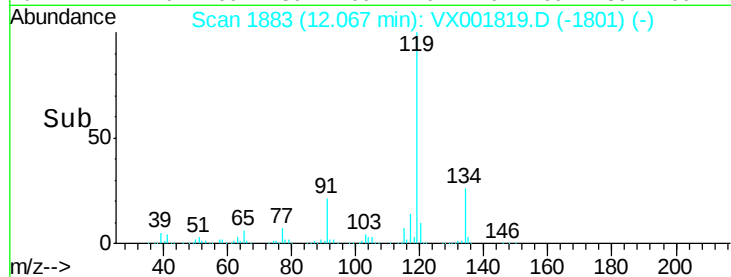
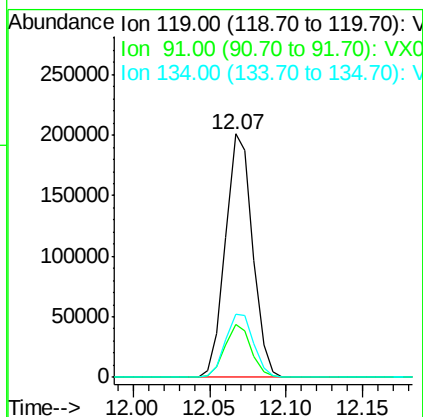
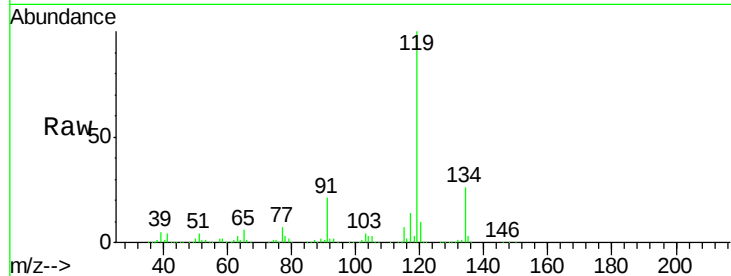




#79
tert-butylbenzene
Concen: 27.32 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX001819.D
Acq: 18 May 2018 10:29

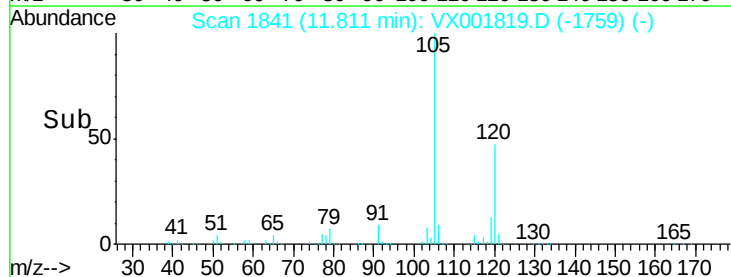
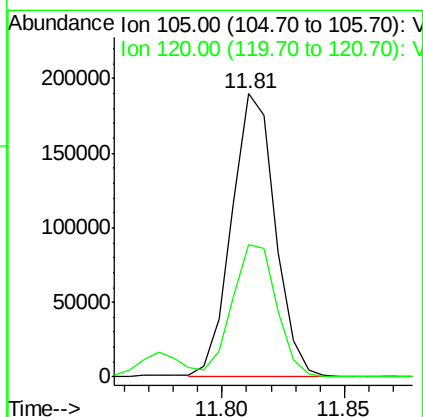
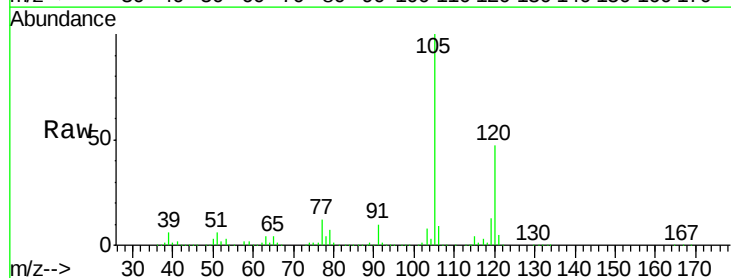
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

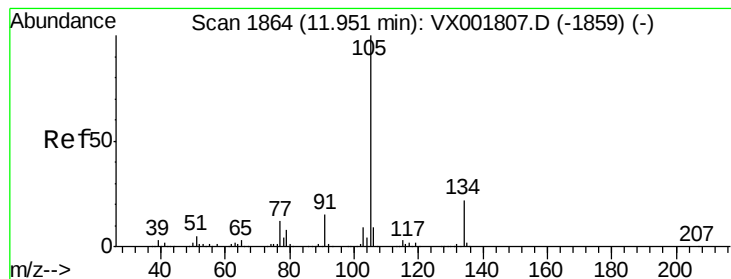
Tot Ion:119 Resp: 247829
Ion Ratio Lower Upper
119 100
91 21.1 0.0 43.2
134 26.7 0.0 54.6



#80
1,2,4-Trimethylbenzene
Concen: 24.69 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX001819.D
Acq: 18 May 2018 10:29

Tgt Ion:105 Resp: 234416
Ion Ratio Lower Upper
105 100
120 47.6 0.0 94.6





#81

sec-Butylbenzene

Concen: 27.16 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001819.D

Acq: 18 May 2018 10:29

Instrument :

MSVOA_X

ClientSampleId :

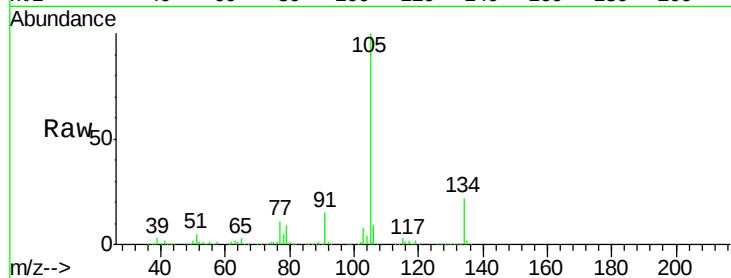
VSTDCCC020EC

Tot Ion:105 Resp: 270344

Ion Ratio Lower Upper

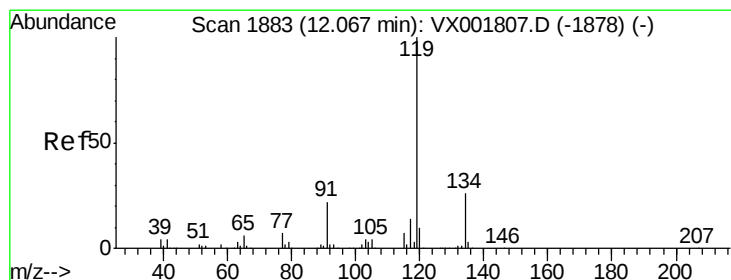
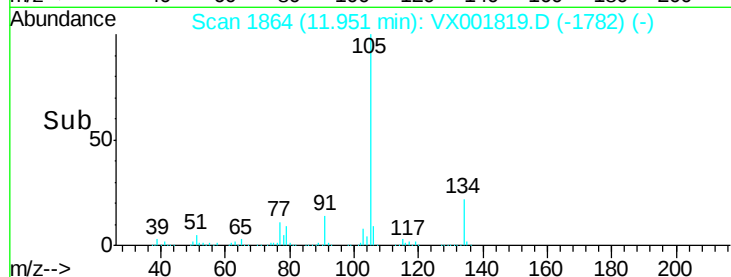
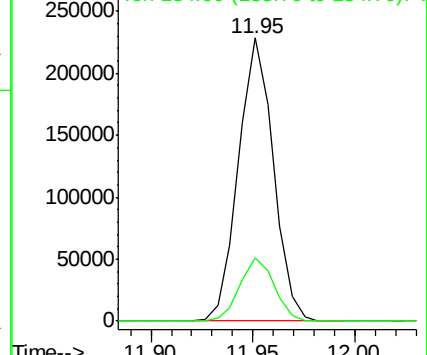
105 100

134 22.1 0.0 44.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 27.32 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX001819.D

Acq: 18 May 2018 10:29

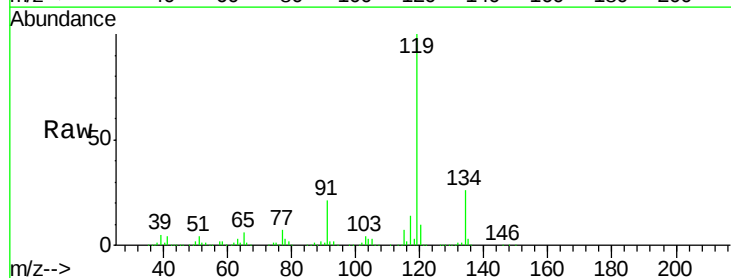
Tgt Ion:119 Resp: 247829

Ion Ratio Lower Upper

119 100

134 26.7 0.0 54.6

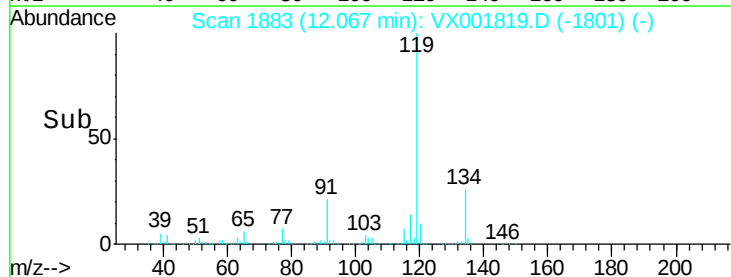
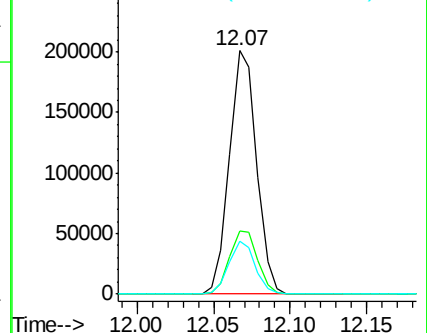
91 21.1 0.0 43.2

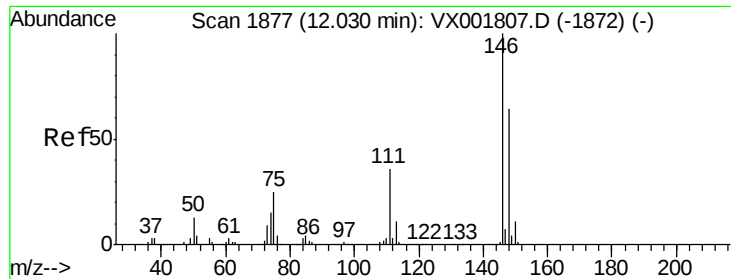


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

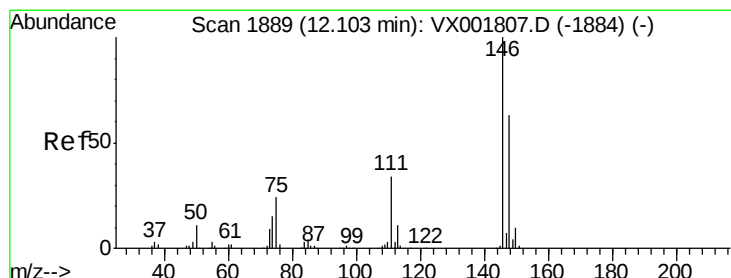
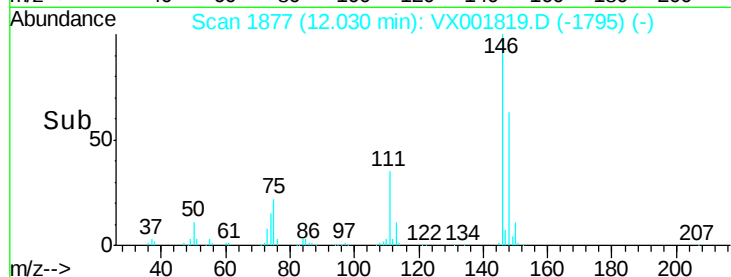
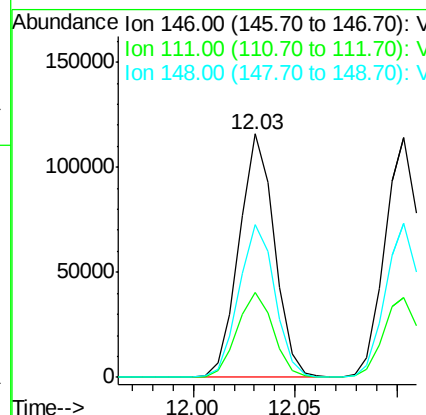
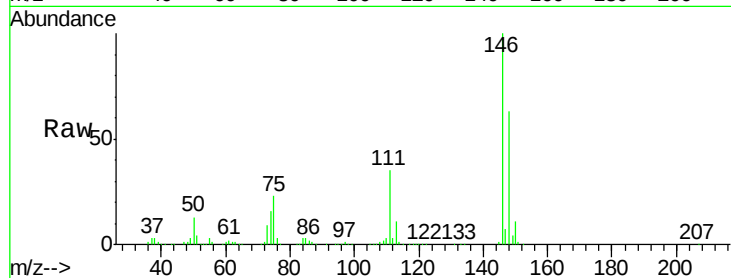




#83
 1,3-Dichlorobenzene
 Concen: 22.73 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001819.D
 Acq: 18 May 2018 10:29

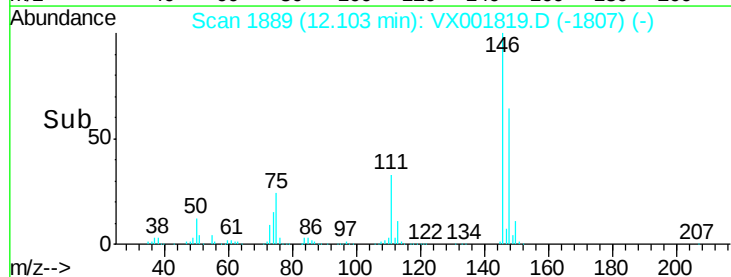
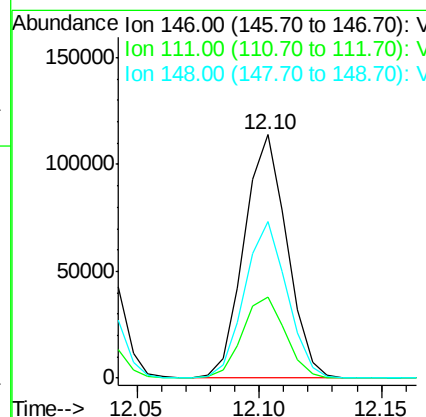
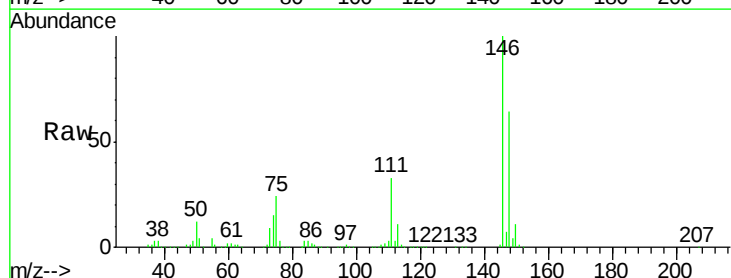
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

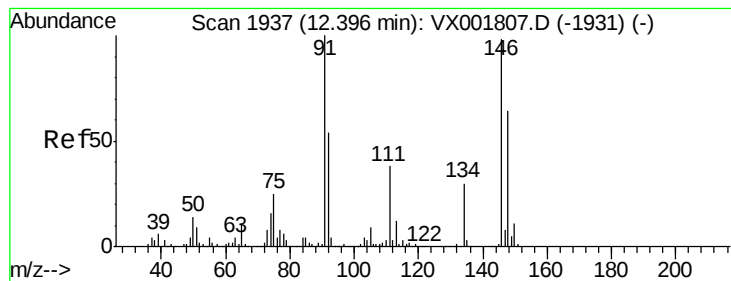
Tot Ion:146 Resp: 138800
 Ion Ratio Lower Upper
 146 100
 111 35.6 18.0 54.0
 148 64.2 31.9 95.9



#84
 1,4-Dichlorobenzene
 Concen: 22.77 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001819.D
 Acq: 18 May 2018 10:29

Tgt Ion:146 Resp: 138077
 Ion Ratio Lower Upper
 146 100
 111 33.9 17.1 51.2
 148 64.2 31.8 95.3





#85

n-Butylbenzene

Concen: 28.07 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX001819.D

Acq: 18 May 2018 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

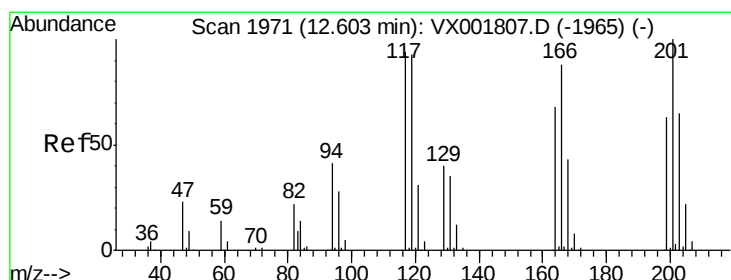
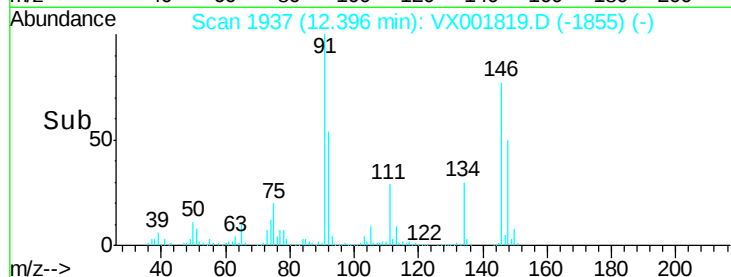
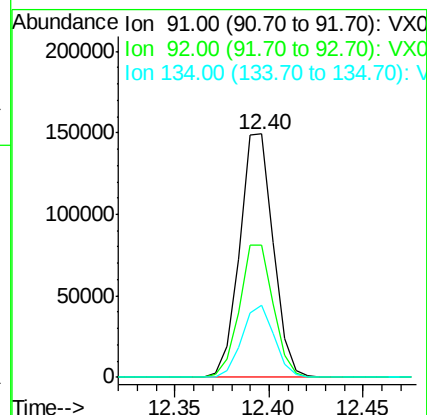
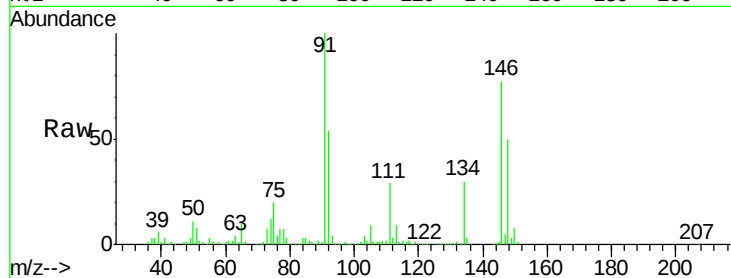
Tot Ion: 91 Resp: 184838

Ion Ratio Lower Upper

91 100

92 54.6 0.0 108.2

134 28.4 0.0 57.8



#86

Hexachloroethane

Concen: 25.32 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VX001819.D

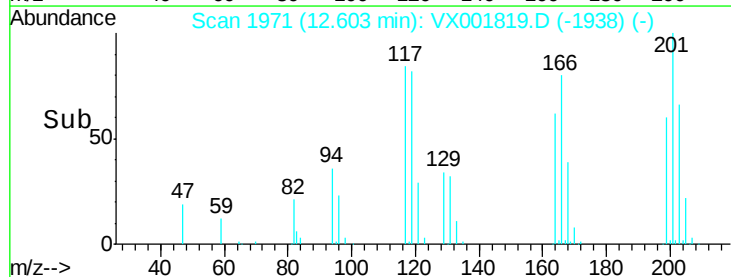
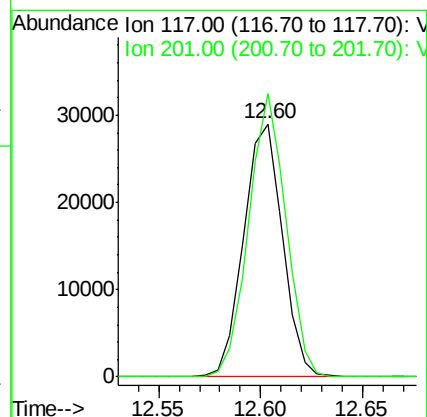
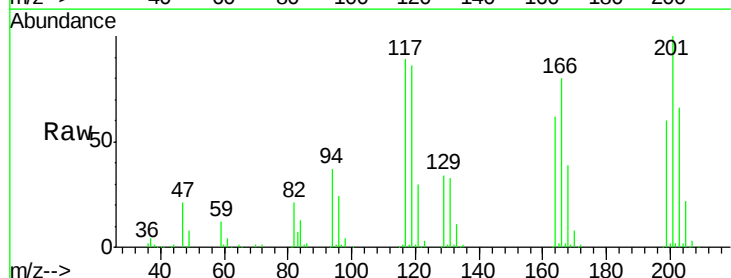
Acq: 18 May 2018 10:29

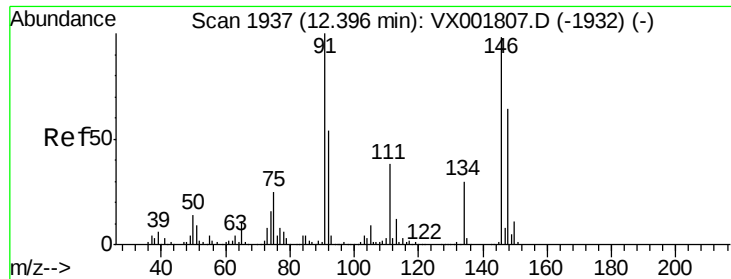
Tgt Ion: 117 Resp: 38287

Ion Ratio Lower Upper

117 100

201 107.1 53.0 159.0





#87

1,2-Dichlorobenzene

Concen: 21.46 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX001819.D

Acq: 18 May 2018 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

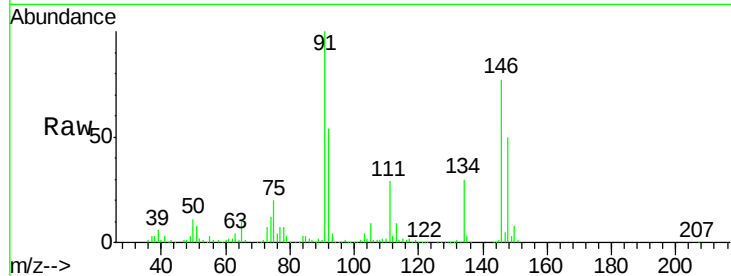
Tot Ion:146 Resp: 142197

Ion Ratio Lower Upper

146 100

111 37.5 18.9 56.5

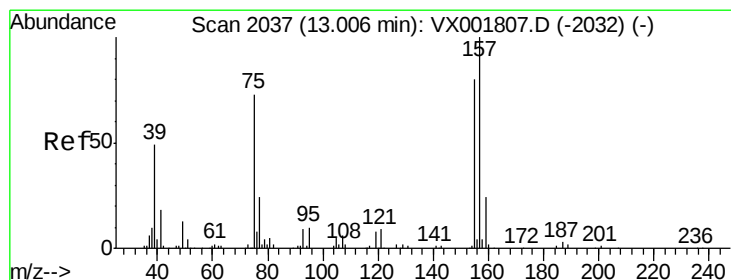
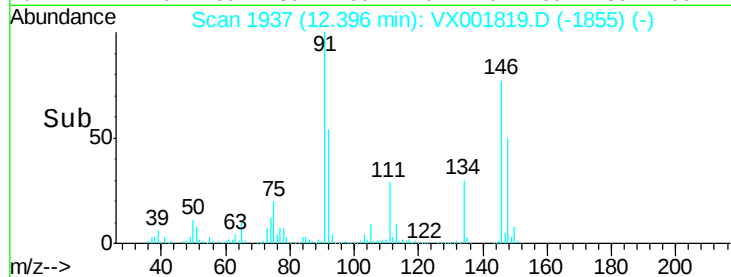
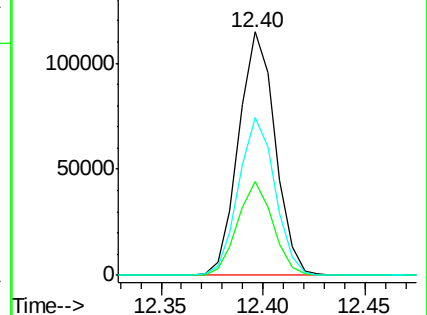
148 64.7 32.9 98.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 16.96 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VX001819.D

Acq: 18 May 2018 10:29

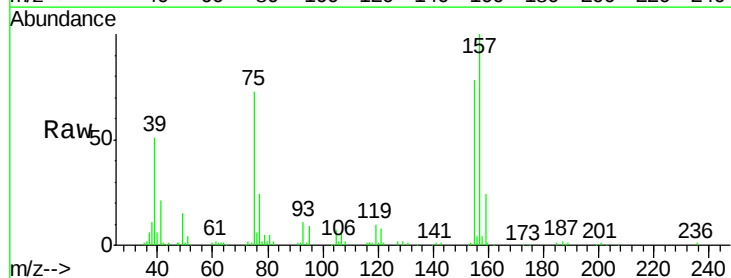
Tgt Ion: 75 Resp: 18068

Ion Ratio Lower Upper

75 100

155 110.2 88.5 132.7

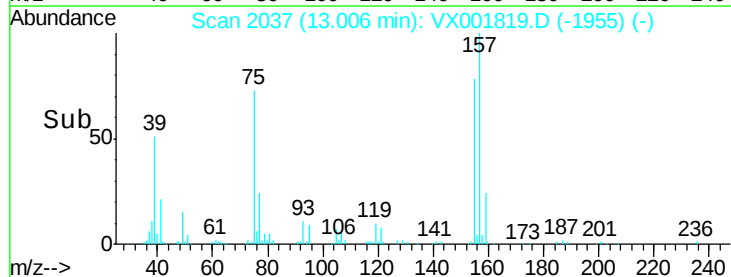
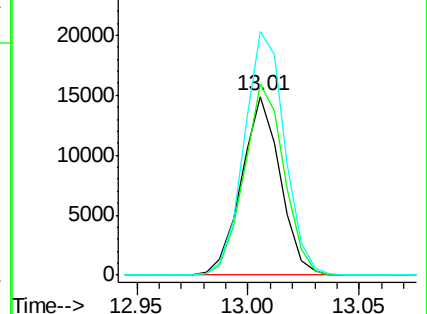
157 142.1 111.0 166.4

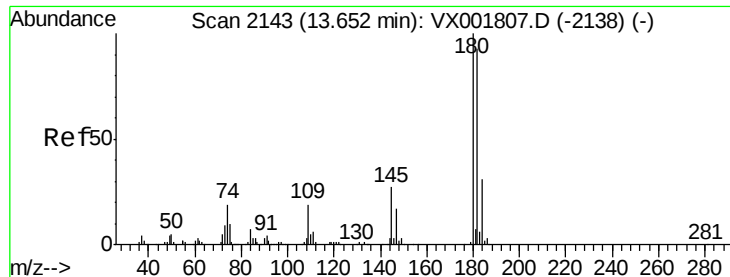


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

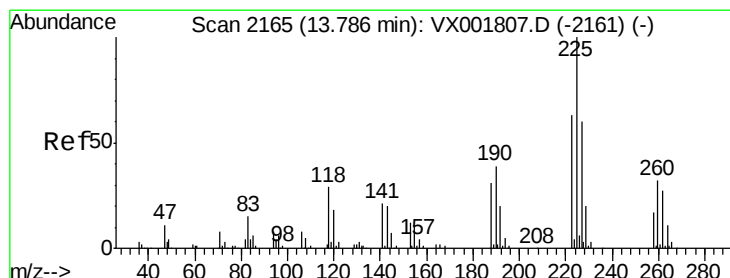
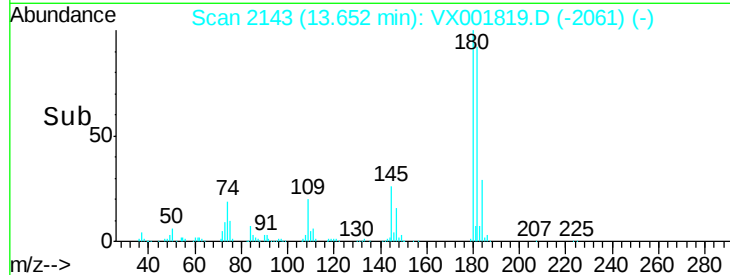
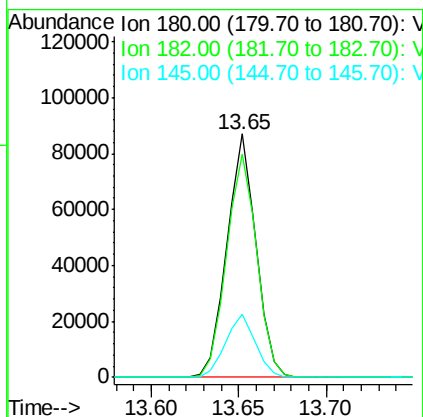
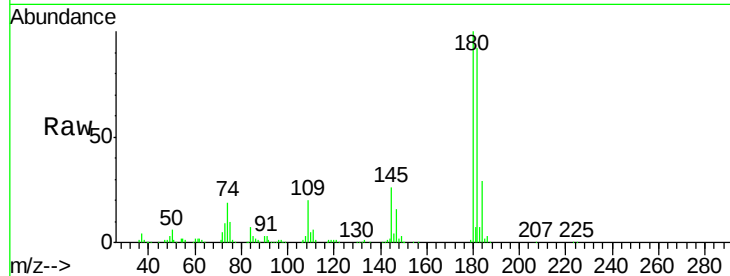




#89
 1,2,4-Trichlorobenzene
 Concen: 24.10 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001819.D
 Acq: 18 May 2018 10:29

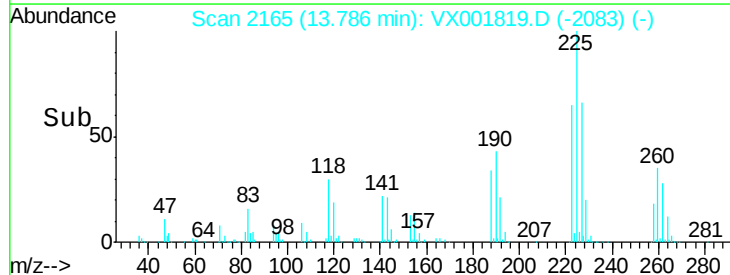
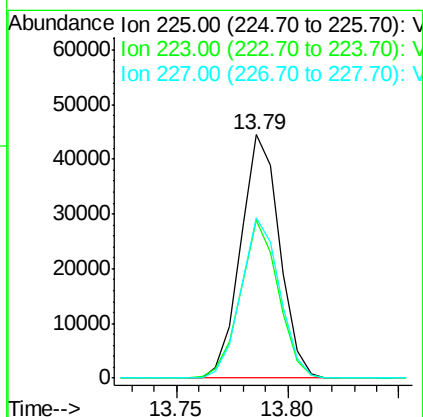
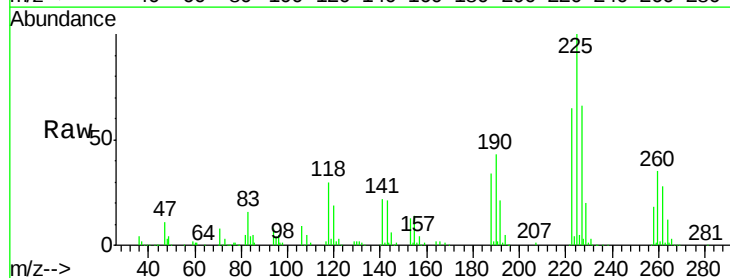
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

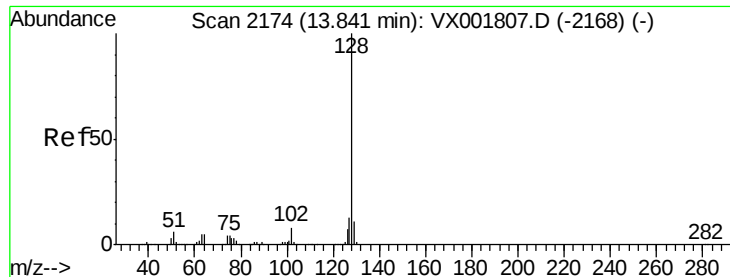
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.6	113.4
145	26.6	21.6	32.4



#90
 Hexachlorobutadiene
 Concen: 26.48 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001819.D
 Acq: 18 May 2018 10:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	0.0	123.6
227	65.5	0.0	124.0





#91

Naphthalene

Concen: 20.18 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001819.D

Acq: 18 May 2018 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

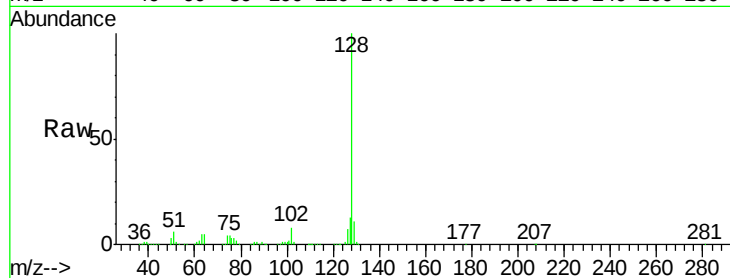
Tot Ion:128 Resp: 293617

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

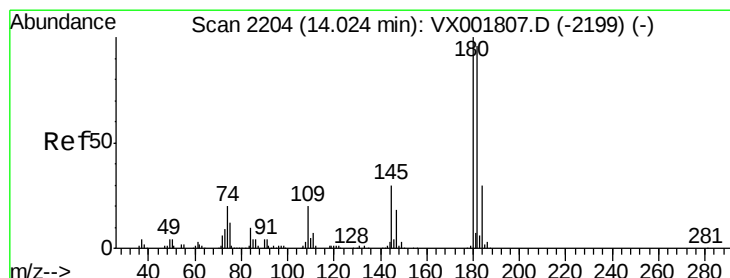
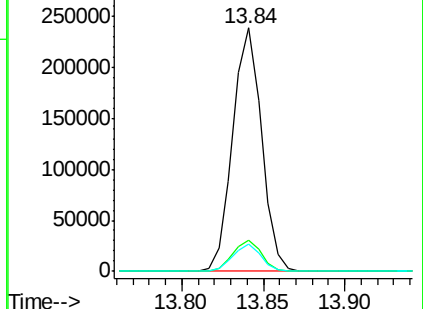
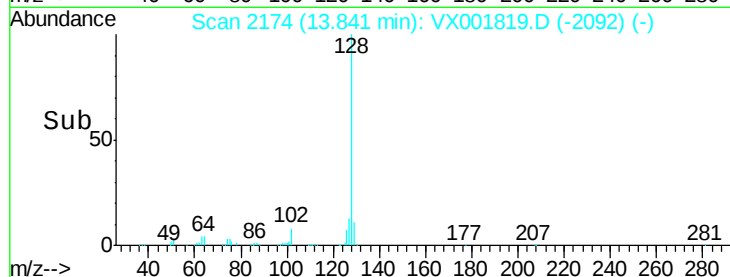
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 23.14 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX001819.D

Acq: 18 May 2018 10:29

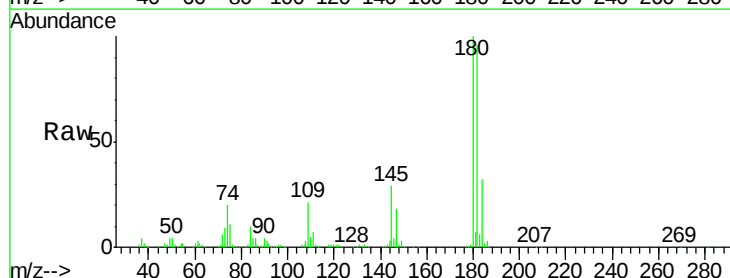
Tgt Ion:180 Resp: 108738

Ion Ratio Lower Upper

180 100

182 95.7 0.0 188.8

145 29.0 0.0 56.6



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

