

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050418\
 Data File : VX001390.D
 Acq On : 04 May 2018 11:13
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Quant Time: May 04 11:33:04 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X043018W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 01 09:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	33286	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	178859	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	170636	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	70358	29.30	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.67%
60) 4-Bromofluorobenzene	11.14	95	82478	28.85	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.17%
63) Toluene-d8	8.72	98	219006	29.93	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	43259	19.822	ug/l 98
3) Chloromethane	1.32	50	40246	19.759	ug/l 96
4) Vinyl Chloride	1.40	62	43561	20.389	ug/l 99
5) Bromomethane	1.64	94	31368	19.439	ug/l 99
6) Chloroethane	1.73	64	27661	21.161	ug/l 97
7) Trichlorofluoromethane	1.93	101	78444	22.103	ug/l 97
8) Diethyl Ether	2.19	74	26855	21.795	ug/l 89
9) 1,1,2-Trichlorotrifluoroet	2.39	101	46375	23.043	ug/l 95
10) 1,1-Dichloroethene	2.37	96	38053	20.871	ug/l 87
11) Methyl Iodide	2.51	142	60945	27.482	ug/l 96
12) Methyl Acetate	2.78	43	65534	27.341	ug/l 98
13) Acrolein	2.30	56	14538	50.853	ug/l 94
14) Acrylonitrile	3.15	53	119303	125.049	ug/l 99
15) Acetone	2.45	58	34491	116.189	ug/l 92
16) Carbon Disulfide	2.57	76	82593	17.031	ug/l 100
17) Allyl chloride	2.73	41	69257	21.405	ug/l 93
18) Methylene Chloride	2.86	84	42837	21.556	ug/l 97
19) trans-1,2-Dichloroethene	3.17	96	40781	20.746	ug/l 91
20) Diisopropyl ether	3.88	45	121117	19.021	ug/l 98
21) 1,1-Dichloroethane	3.70	63	74995	21.917	ug/l 99
22) cis-1,2-Dichloroethene	4.60	96	42081	19.170	ug/l 95
23) tert-Butyl Alcohol	3.08	59	56499	144.908	ug/l # 100
24) Methyl tert-Butyl Ether	3.21	73	137262	21.953	ug/l 96
25) Chloroform	5.23	83	74456	19.985	ug/l 98
26) Cyclohexane	5.58	56	58023	18.650	ug/l # 97
29) 1,1-Dichloropropene	5.80	75	51464	19.422	ug/l 99
30) 2-Butanone	4.72	43	155892	114.803	ug/l 99
31) 2,2-Dichloropropane	4.59	77	53874	18.623	ug/l 98
32) 1,1,1-Trichloroethane	5.50	97	62359	19.449	ug/l 99
33) Carbon Tetrachloride	5.79	117	55653	19.258	ug/l 94
34) Benzene	6.15	78	157853	20.104	ug/l 95
35) Methacrylonitrile	5.07	41	33483	22.221	ug/l 91
36) 1,2-Dichloroethane	6.21	62	59864	19.864	ug/l # 88
37) Trichloroethene	7.22	130	49192	20.661	ug/l 95
38) Methylcyclohexane	7.46	83	63028	20.214	ug/l 97
39) 1,2-Dichloropropane	7.52	63	40061	20.118	ug/l 100
40) Dibromomethane	7.67	93	28370	20.252	ug/l 86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.91	83	51241	19.362	ug/l	99
42) Vinyl Acetate	3.83	43	516154	96.631	ug/l	98
43) Ethyl Acetate	4.88	43	58876	22.515	ug/l	99
44) Isopropyl Acetate	6.48	43	92470	20.782	ug/l	99
45) 1,4-Dioxane	7.76	88	21041	520.241	ug/l	96
46) Methyl methacrylate	7.79	41	48280	20.856	ug/l	91
47) n-amyl Acetate	10.91	43	83066	19.453	ug/l	98
48) t-1,3-Dichloropropene	8.44	75	58327	18.722	ug/l	98
49) cis-1,3-Dichloropropene	9.05	75	53844	18.043	ug/l	97
50) 1,1,2-Trichloroethane	9.22	97	43734	21.021	ug/l	98
51) Ethyl methacrylate	9.19	69	60304	20.343	ug/l	92
52) 1,3-Dichloropropane	9.38	76	70195	20.873	ug/l	99
53) Dibromochloromethane	9.59	129	44391	19.331	ug/l	97
54) 1,2-Dibromoethane	9.68	107	45892	20.609	ug/l	97
55) 2-Chloroethyl vinyl ether	8.32	63	150471	103.618	ug/l	99
56) Bromoform	10.87	173	35396	18.833	ug/l #	97
58) 4-Methyl-2-Pentanone	8.66	43	318964	112.625	ug/l	99
59) 2-Hexanone	9.51	43	246724	111.813	ug/l	98
61) Tetrachloroethene	9.34	164	61944	23.689	ug/l	91
62) Toluene	8.79	91	180121	19.641	ug/l	100
64) Chlorobenzene	10.15	112	121780	19.683	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.23	131	44364	19.638	ug/l	96
66) Ethyl Benzene	10.26	91	197706	19.313	ug/l	99
67) m/p-Xylenes	10.37	106	158898	39.079	ug/l	98
68) o-Xylene	10.71	106	77184	19.639	ug/l	100
69) Styrene	10.72	104	127124	19.434	ug/l	99
70) Isopropylbenzene	11.02	105	209856	19.663	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	62507	19.968	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	71500	25.522	ug/l	83
73) Bromobenzene	11.26	156	60660	19.558	ug/l	94
74) n-propylbenzene	11.37	91	240287	19.934	ug/l	98
75) 2-Chlorotoluene	11.43	91	140064	19.252	ug/l	97
76) 1,3,5-Trimethylbenzene	11.51	105	182145	20.030	ug/l	68
77) t-1,4-Dichloro-2-butene	11.08	75	14418	17.298	ug/l	83
78) 4-Chlorotoluene	11.52	91	162622	18.741	ug/l	97
79) tert-butylbenzene	12.07	119	202934	20.855	ug/l	94
80) 1,2,4-Trimethylbenzene	11.81	105	187460	20.255	ug/l	98
81) sec-Butylbenzene	11.95	105	222687	21.090	ug/l	99
82) p-Isopropyltoluene	12.07	119	202934	20.855	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	111745	19.760	ug/l	97
84) 1,4-Dichlorobenzene	12.10	146	112079	19.440	ug/l	98
85) n-Butylbenzene	12.40	91	168847	20.067	ug/l	99
86) Hexachloroethane	12.60	117	27696	18.622	ug/l	72
87) 1,2-Dichlorobenzene	12.40	146	112678	20.038	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	13.01	75	13481	20.606	ug/l	90
89) 1,2,4-Trichlorobenzene	13.65	180	86780	20.367	ug/l	98
90) Hexachlorobutadiene	13.79	225	48925	24.735	ug/l	97
91) Naphthalene	13.84	128	237336	21.470	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	89645	21.317	ug/l	97

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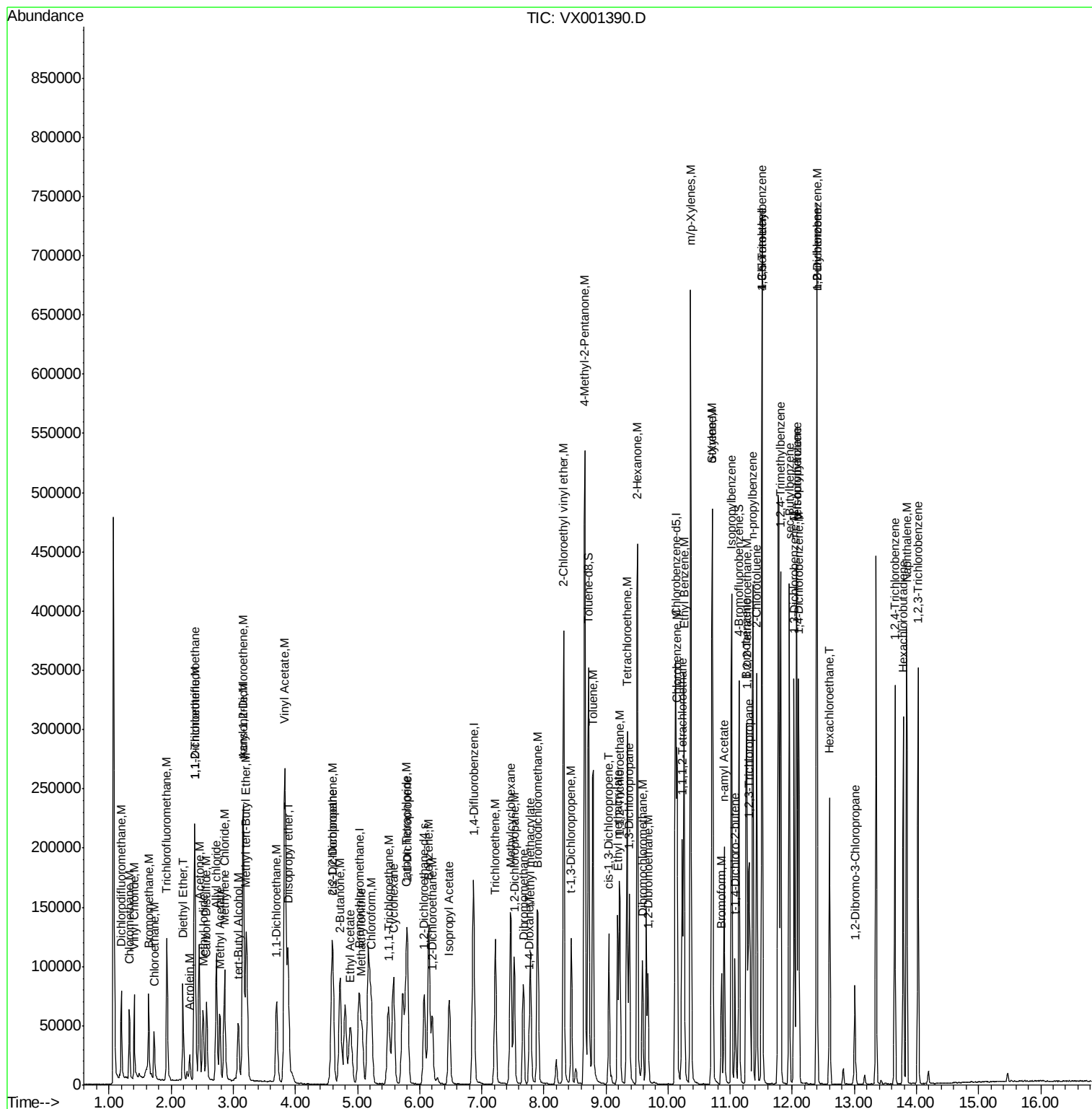
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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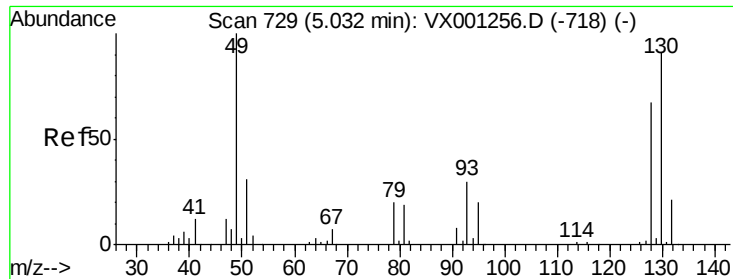
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 01 09:17:40 2018
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.01 min

Lab File: VX001390.D

Acq: 04 May 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

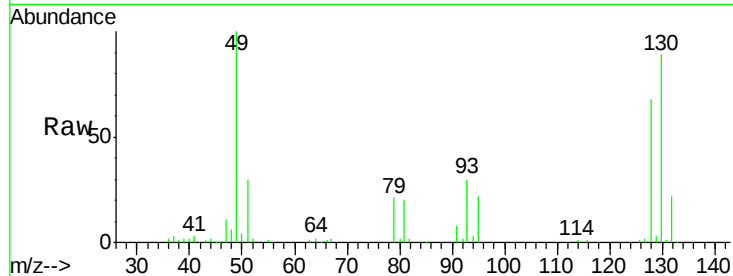
Tot Ion:128 Resp: 33286

Ion Ratio Lower Upper

128 100

49 142.0 0.0 378.3

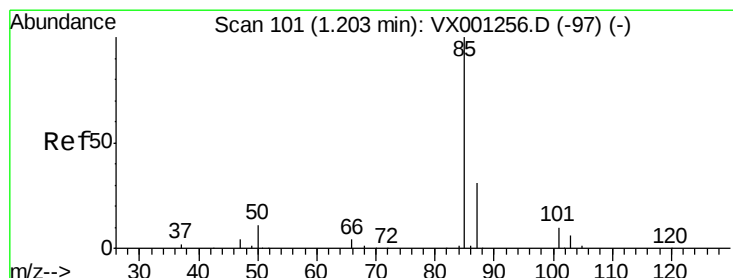
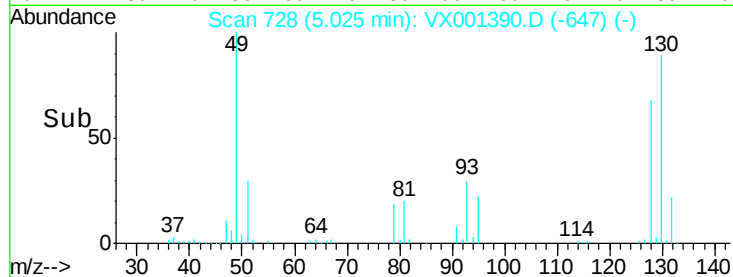
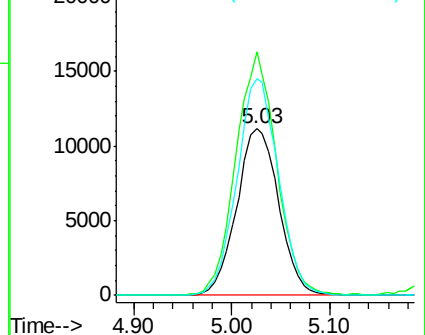
130 128.3 0.0 324.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.822 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX001390.D

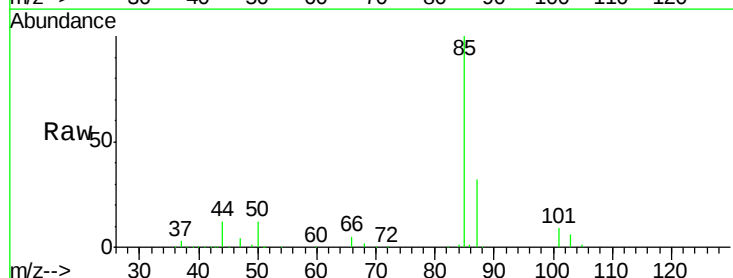
Acq: 04 May 2018 11:13

Tgt Ion: 85 Resp: 43259

Ion Ratio Lower Upper

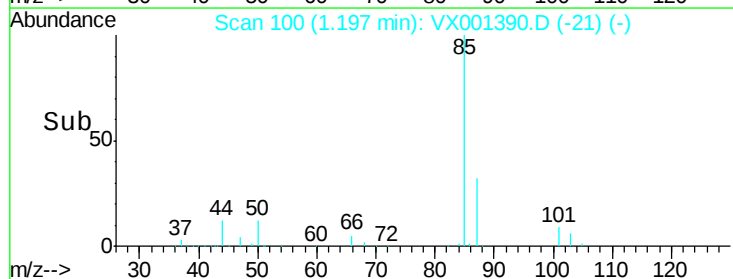
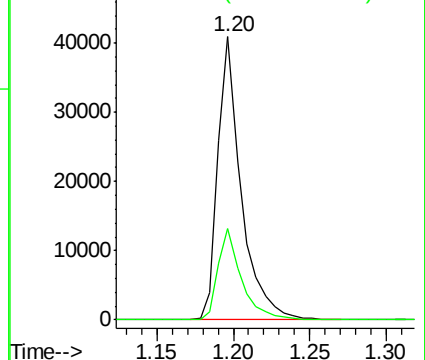
85 100

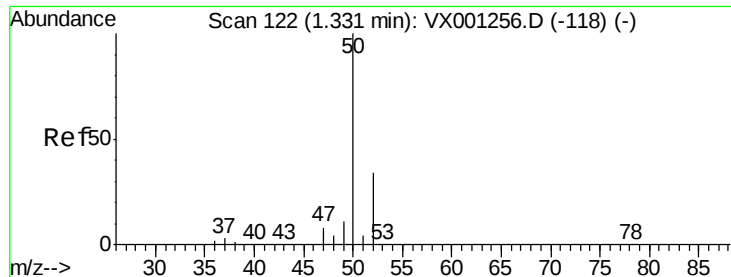
87 32.1 16.6 49.7



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 19.759 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001390.D

Acq: 04 May 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

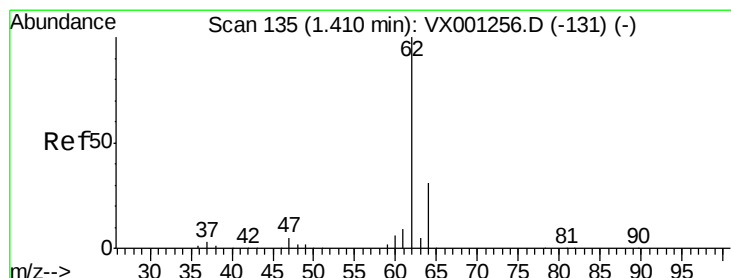
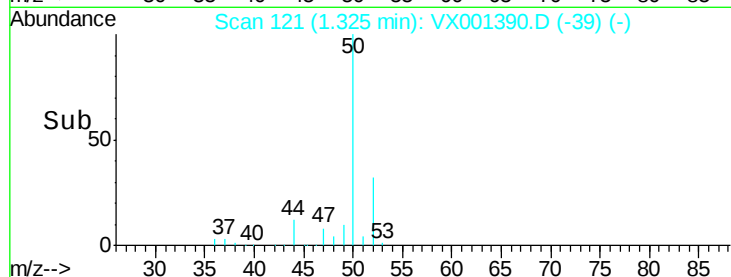
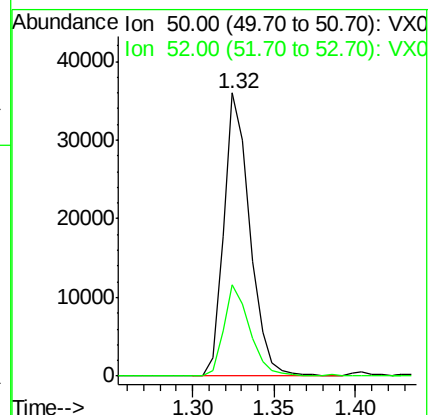
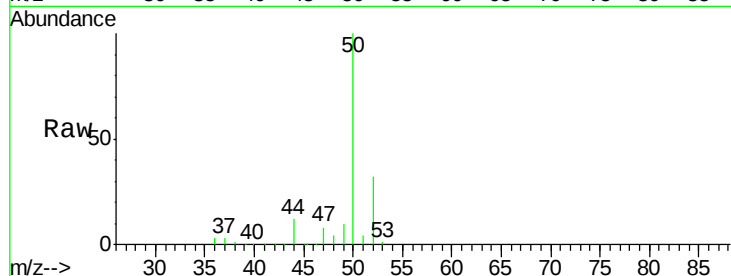
VSTDCCC020

Tot Ion: 50 Resp: 40246

Ion Ratio Lower Upper

50 100

52 32.4 27.8 41.6



#4

Vinyl Chloride

Concen: 20.389 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001390.D

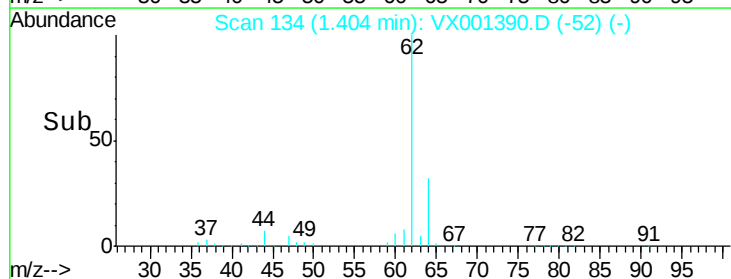
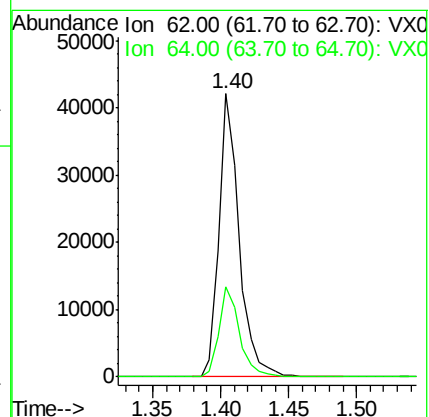
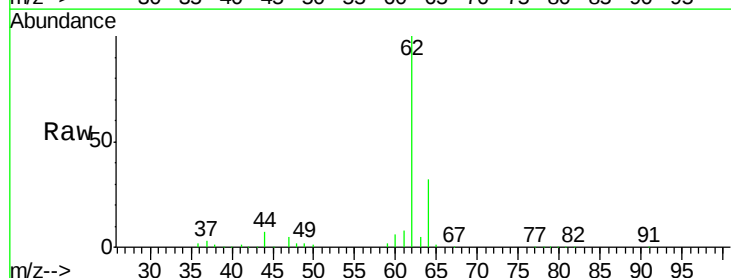
Acq: 04 May 2018 11:13

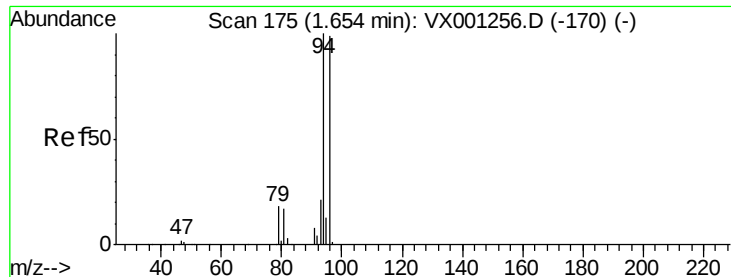
Tgt Ion: 62 Resp: 43561

Ion Ratio Lower Upper

62 100

64 32.0 26.0 39.0





#5

Bromomethane

Concen: 19.439 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.00 min

Lab File: VX001390.D

Acq: 04 May 2018 11:13

Instrument :

MSVOA_X

ClientSampled :

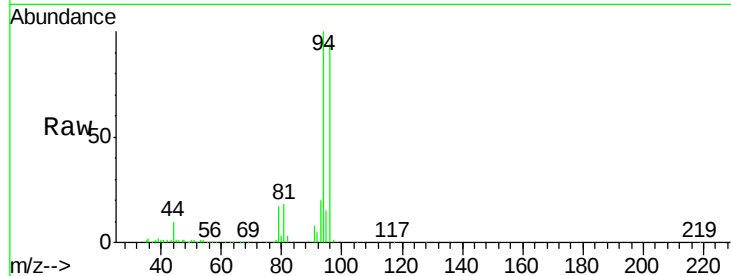
VSTDCCC020

Tot Ion: 94 Resp: 31368

Ion Ratio Lower Upper

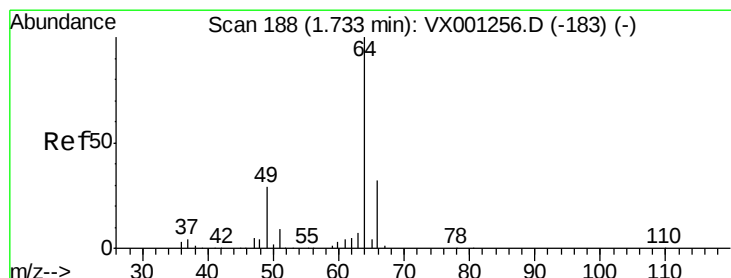
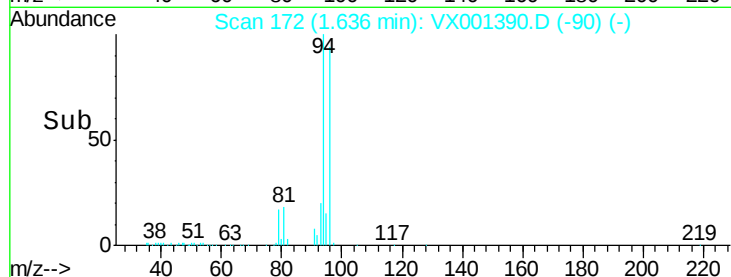
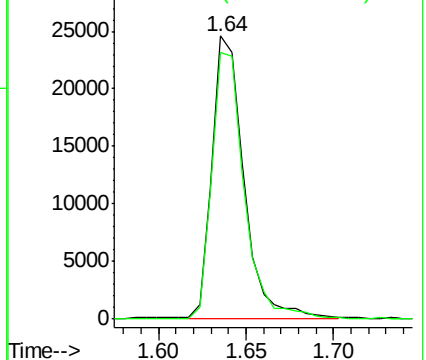
94 100

96 94.1 76.2 114.2



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 21.161 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX001390.D

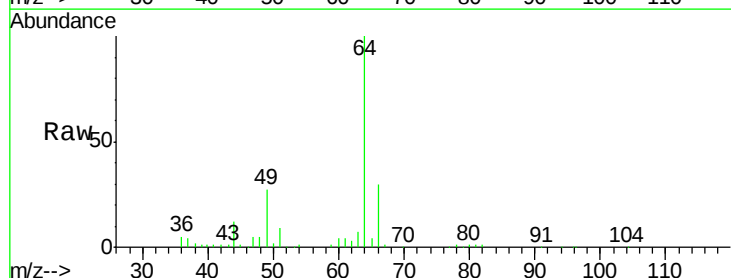
Acq: 04 May 2018 11:13

Tgt Ion: 64 Resp: 27661

Ion Ratio Lower Upper

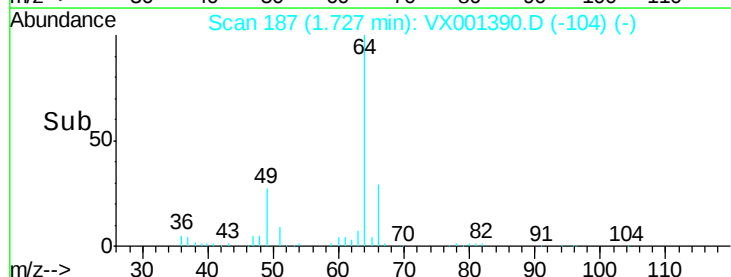
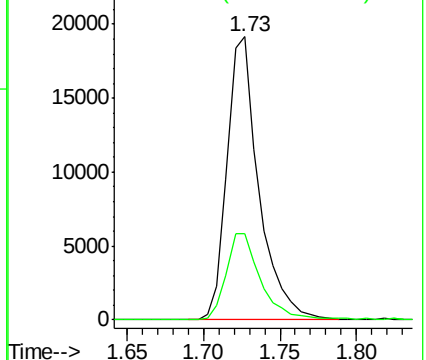
64 100

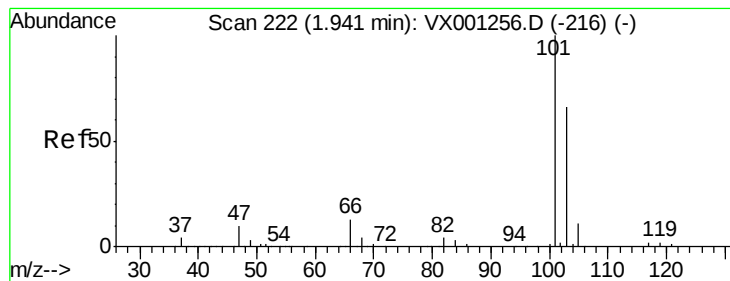
66 30.0 25.2 37.8



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



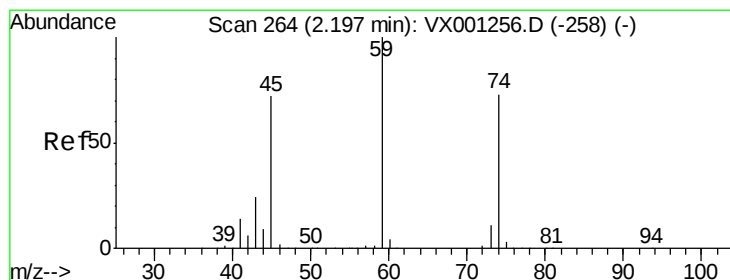
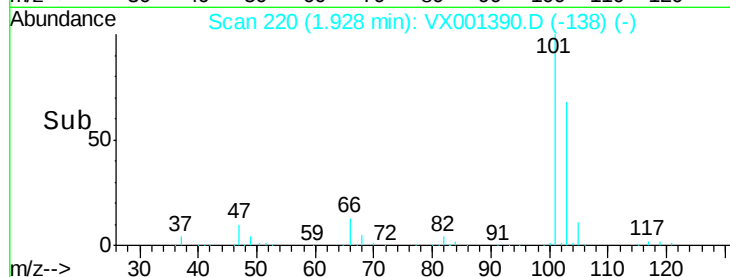
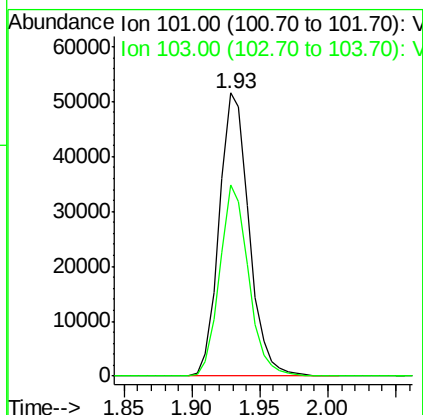
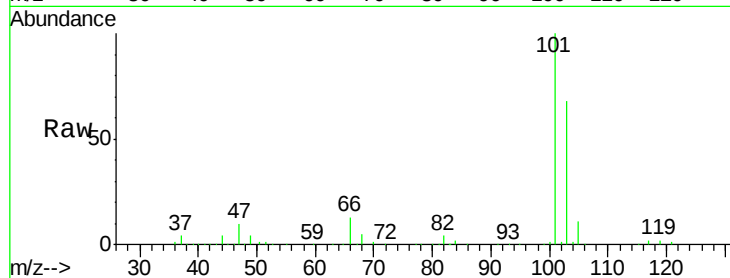


#7

Trichlorofluoromethane
Concen: 22.103 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX001390.D
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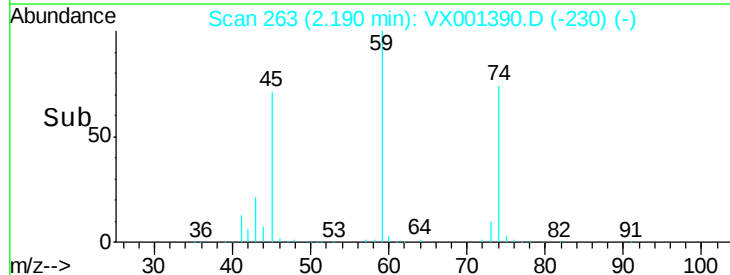
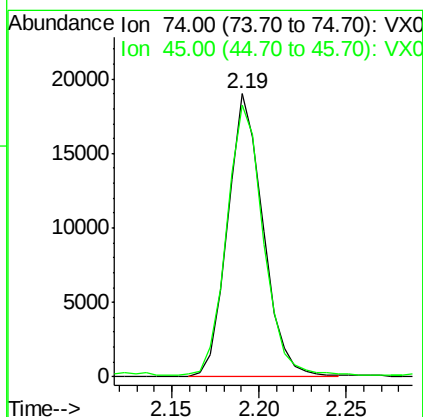
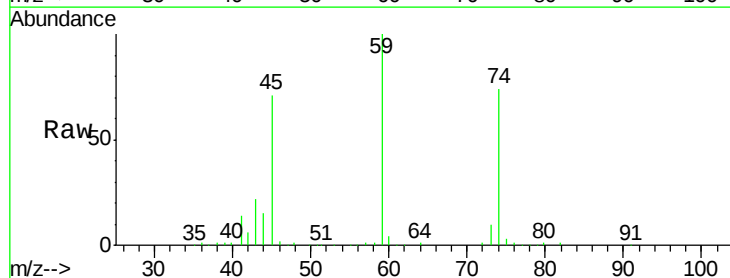
Tot Ion:101 Resp: 78444
Ion Ratio Lower Upper
101 100
103 67.8 52.2 78.4

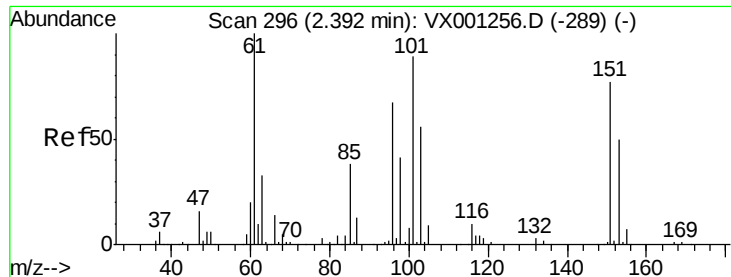


#8

Diethyl Ether
Concen: 21.795 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX001390.D
Acq: 04 May 2018 11:13

Tgt Ion: 74 Resp: 26855
Ion Ratio Lower Upper
74 100
45 99.1 17.8 159.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.043 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX001390.D

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VSTDCCC020

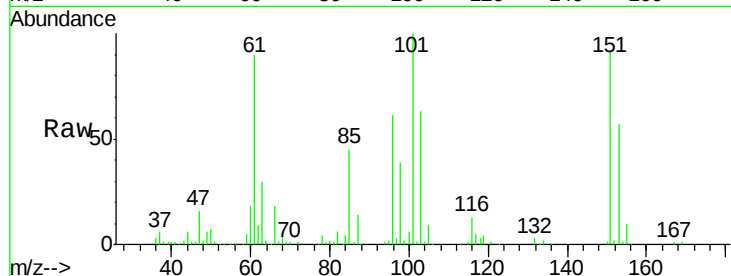
Tot Ion:101 Resp: 46375

Ion Ratio Lower Upper

101 100

85 43.7 0.0 90.4

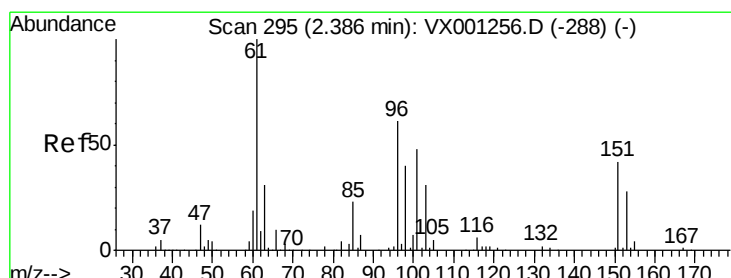
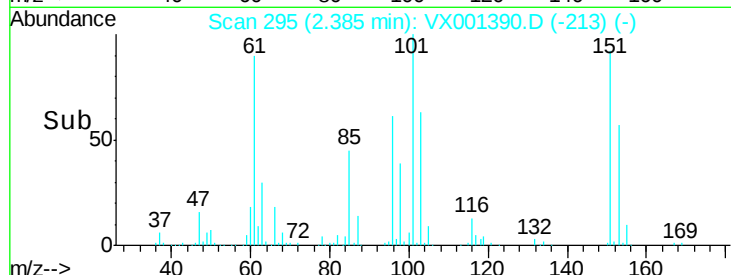
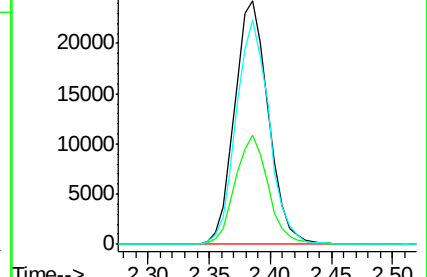
151 90.0 0.0 167.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.871 ug/l

RT: 2.37 min Scan# 293

Delta R.T. -0.01 min

Lab File: VX001390.D

Acq: 04 May 2018 11:13

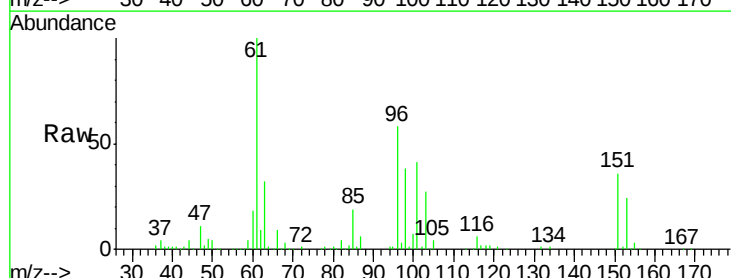
Tgt Ion: 96 Resp: 38053

Ion Ratio Lower Upper

96 100

61 171.4 118.6 178.0

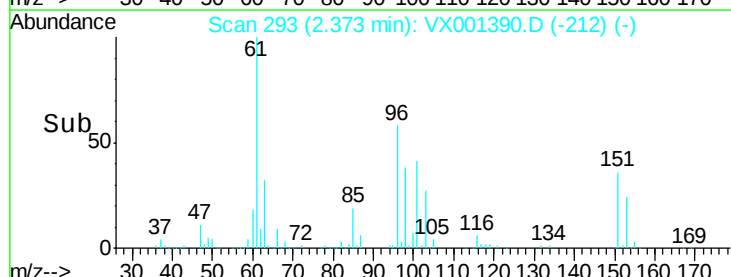
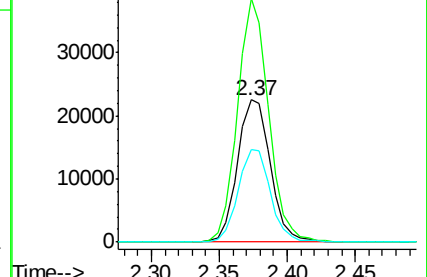
98 65.0 51.0 76.6

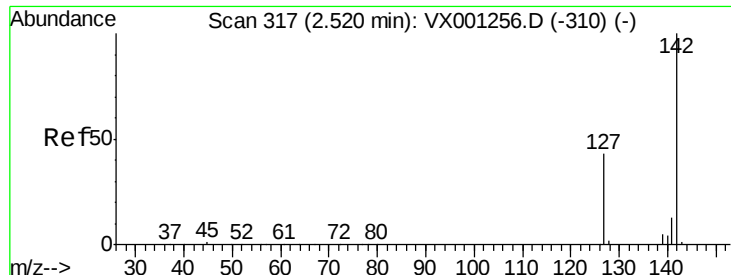


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

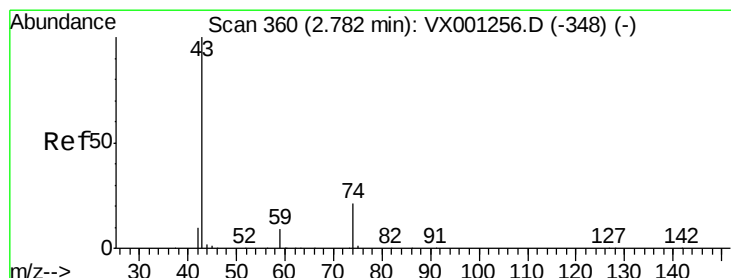
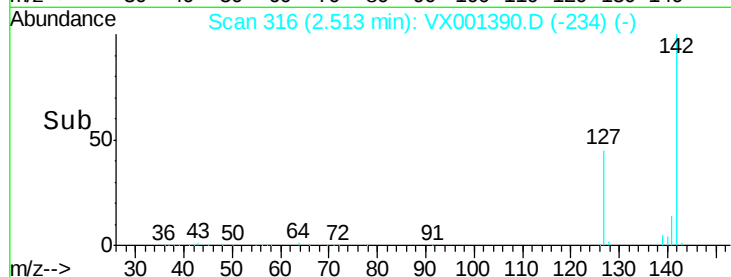
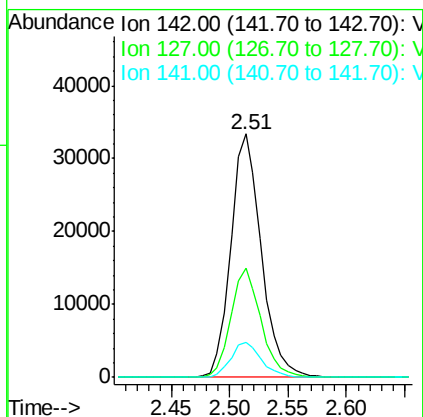
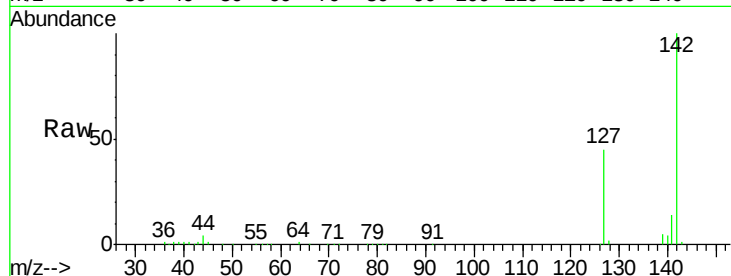




#11
Methvl Iodide
Concen: 27.482 ug/l
RT: 2.51 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX001390.D
Acq: 04 May 2018 11:13

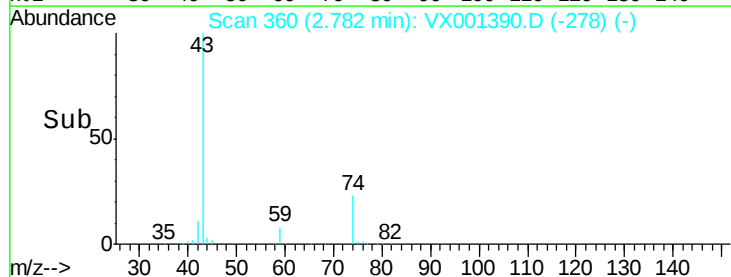
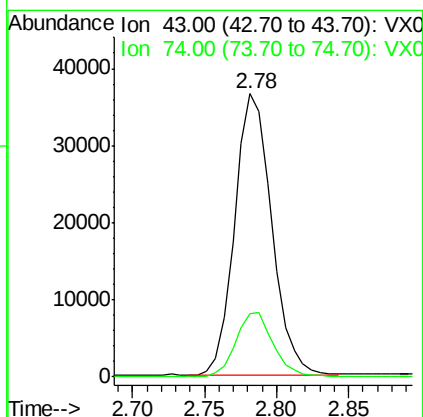
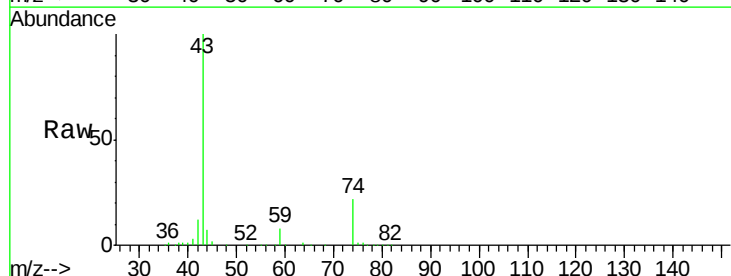
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

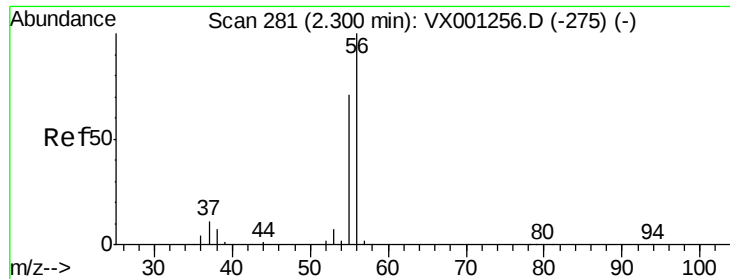
Tot Ion:142 Resp: 60945
Ion Ratio Lower Upper
142 100
127 45.0 23.8 71.5
141 14.2 8.2 24.4



#12
Methyl Acetate
Concen: 27.341 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX001390.D
Acq: 04 May 2018 11:13

Tgt Ion: 43 Resp: 65534
Ion Ratio Lower Upper
43 100
74 22.3 18.6 27.8





#13

Acrolein

Concen: 50.853 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX001390.D

Acq: 04 May 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

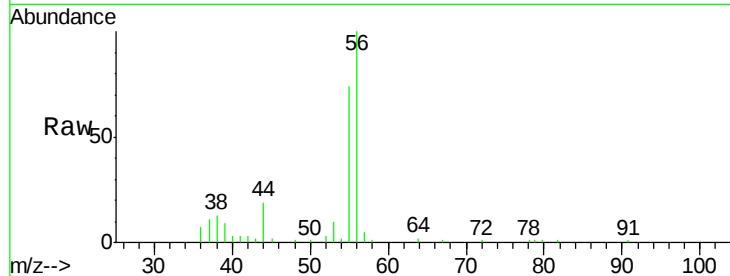
VSTDCCC020

Tot Ion: 56 Resp: 14538

Ion Ratio Lower Upper

56 100

55 76.8 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.30

10000

8000

6000

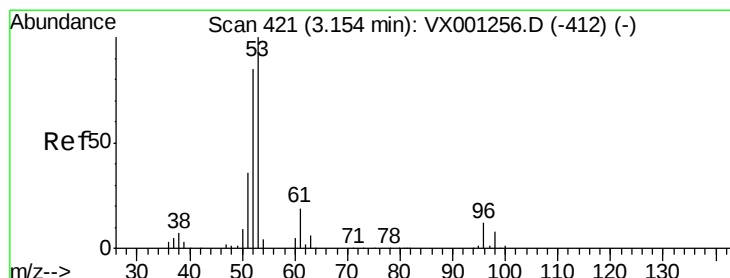
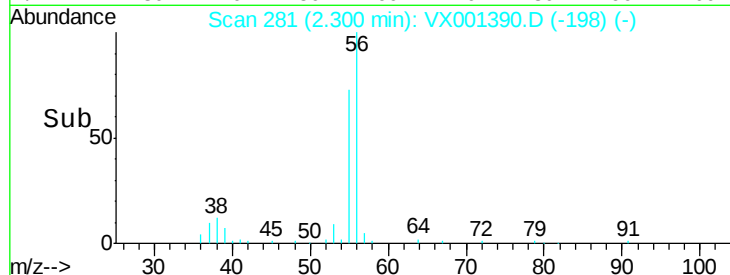
4000

2000

0

Time-->

2.25 2.30 2.35



#14

Acrylonitrile

Concen: 125.049 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001390.D

Acq: 04 May 2018 11:13

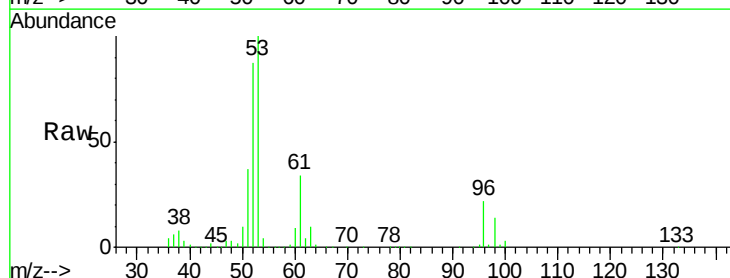
Tgt Ion: 53 Resp: 119303

Ion Ratio Lower Upper

53 100

52 84.1 41.9 125.8

51 36.2 18.8 56.3



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

80000

60000

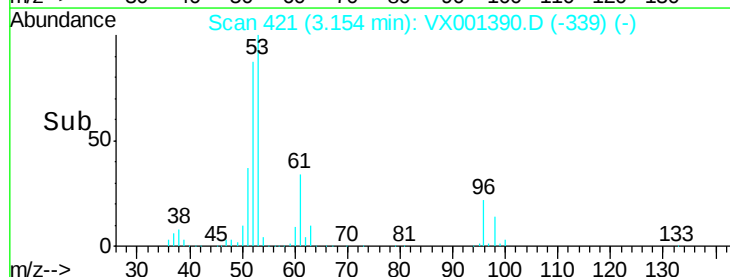
40000

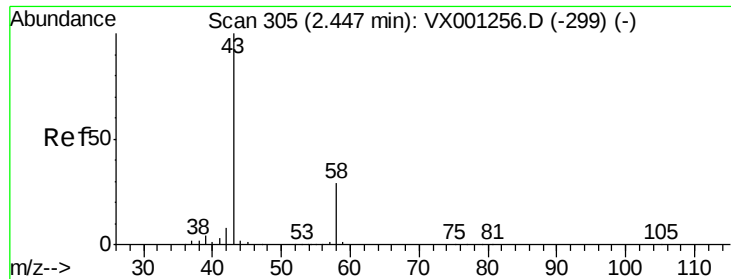
20000

0

Time-->

3.10 3.15 3.20 3.30





#15

Acetone

Concen: 116.189 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001390.D

Acq: 04 May 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

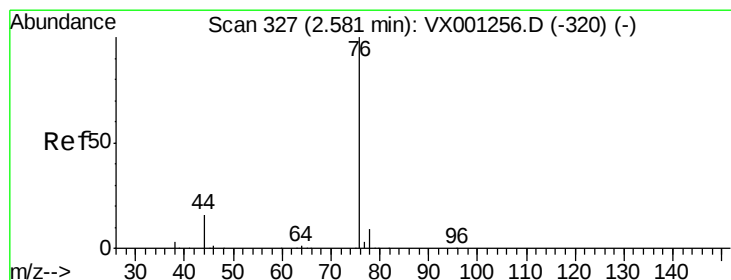
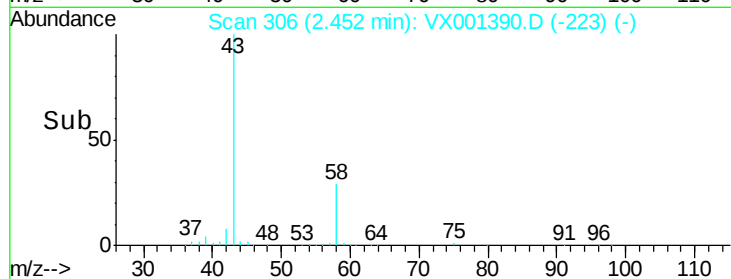
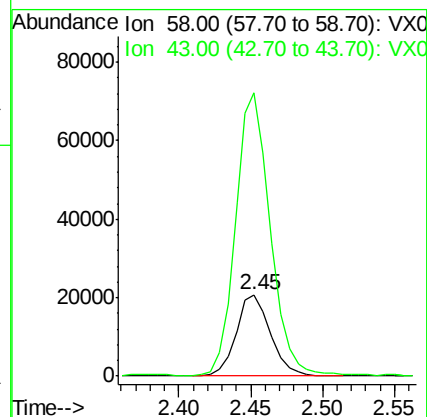
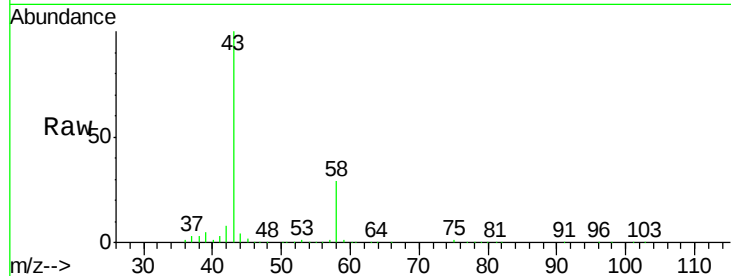
VSTDCCC020

Tot Ion: 58 Resp: 34491

Ion Ratio Lower Upper

58 100

43 347.6 264.6 396.8



#16

Carbon Disulfide

Concen: 17.031 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX001390.D

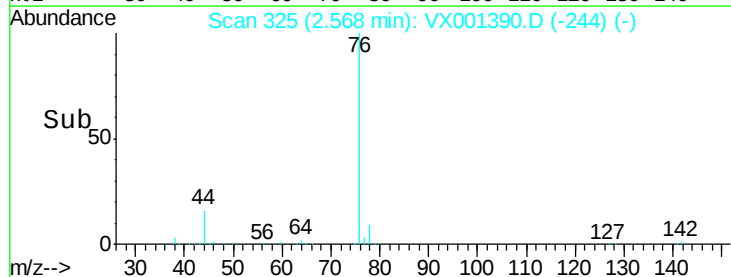
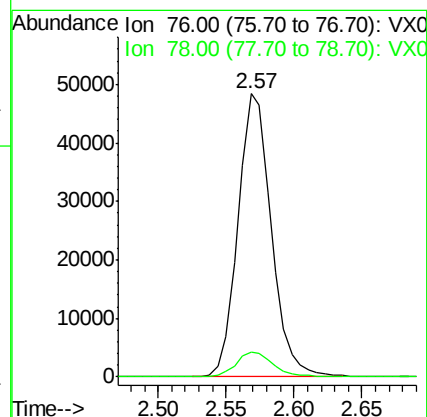
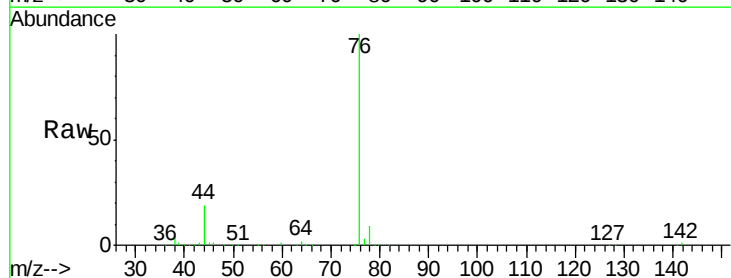
Acq: 04 May 2018 11:13

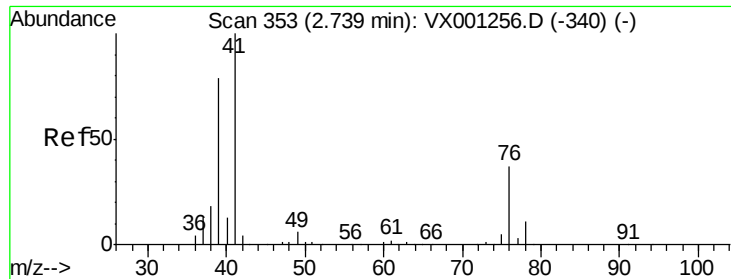
Tgt Ion: 76 Resp: 82593

Ion Ratio Lower Upper

76 100

78 8.6 6.8 10.2

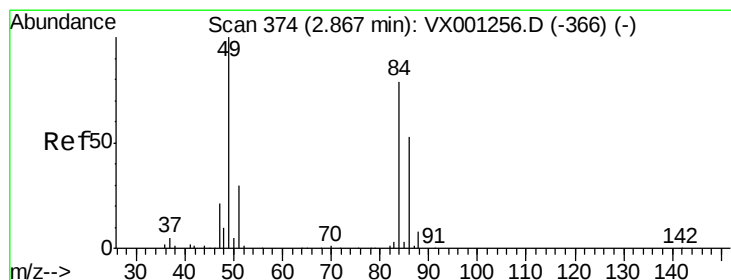
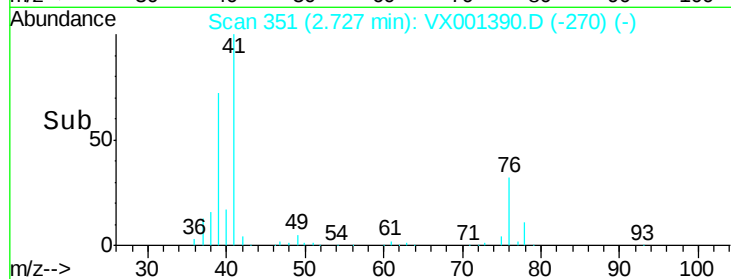
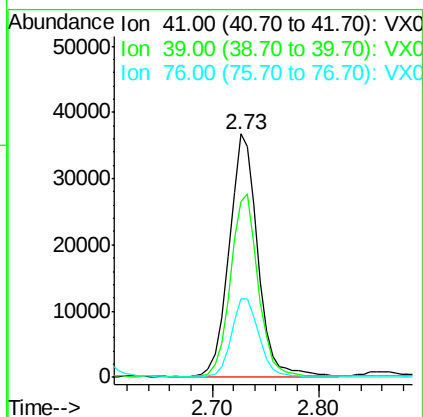
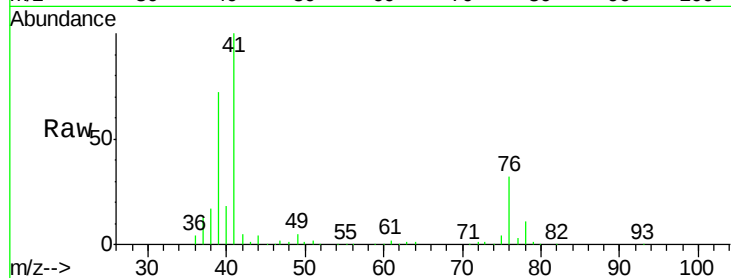




#17
Allvl chloride
Concen: 21.405 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX001390.D
Acq: 04 May 2018 11:13

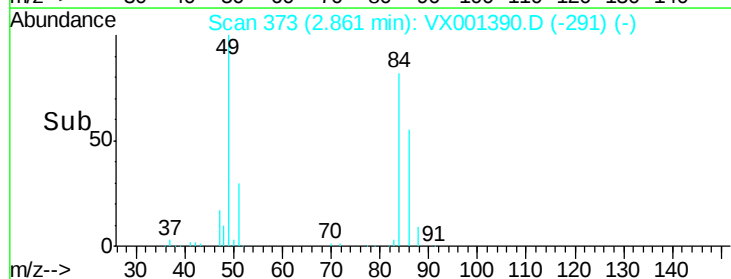
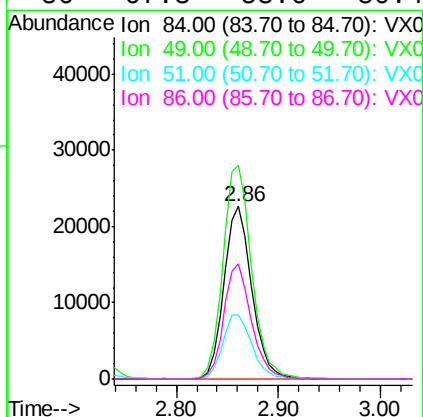
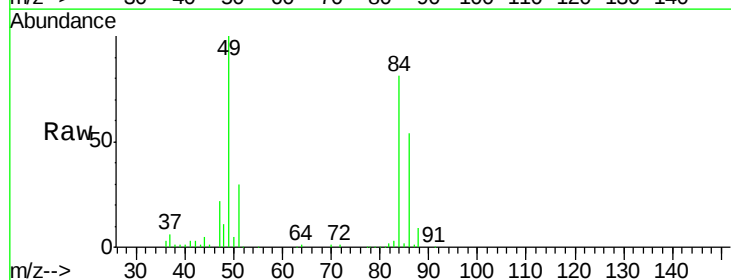
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

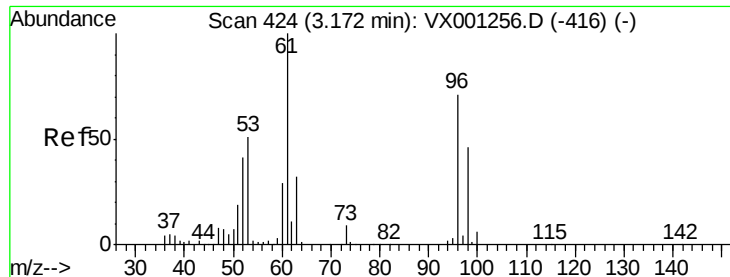
Tot Ion	Ratio	Lower	Upper
41	100		
39	72.1	38.5	115.5
76	32.0	18.7	56.1



#18
Methylene Chloride
Concen: 21.556 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001390.D
Acq: 04 May 2018 11:13

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.0	103.3	154.9
51	37.3	31.2	46.8
86	67.3	53.6	80.4

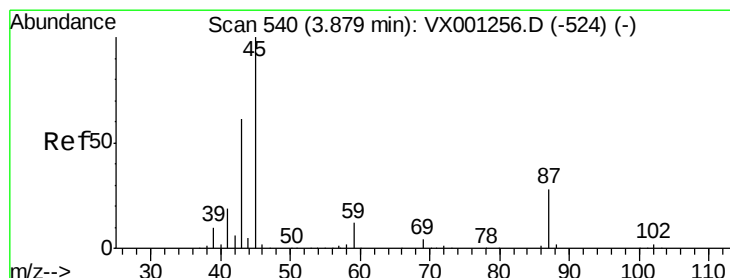
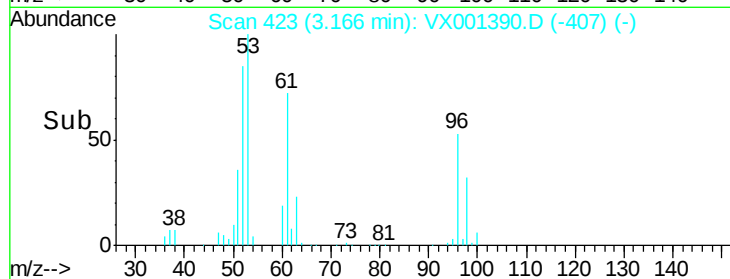
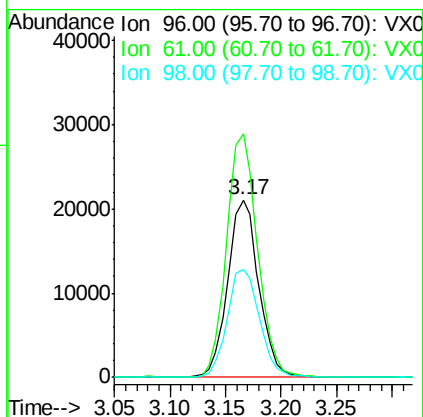
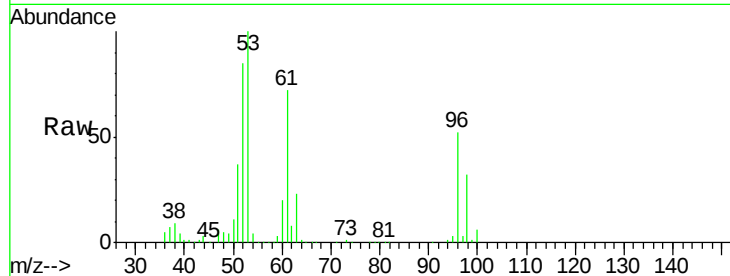




#19
trans-1,2-Dichloroethene
Concen: 20.746 ug/l
RT: 3.17 min Scan# 423
Delta R.T. -0.00 min
Lab File: VX001390.D
Acq: 04 May 2018 11:13

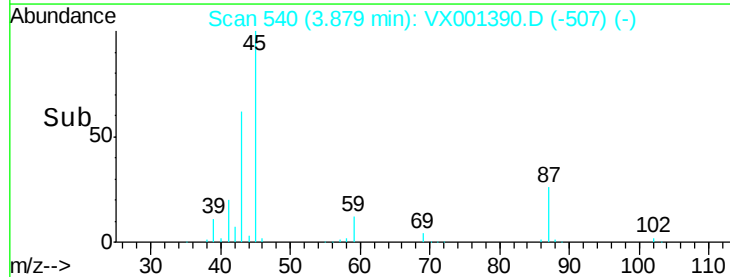
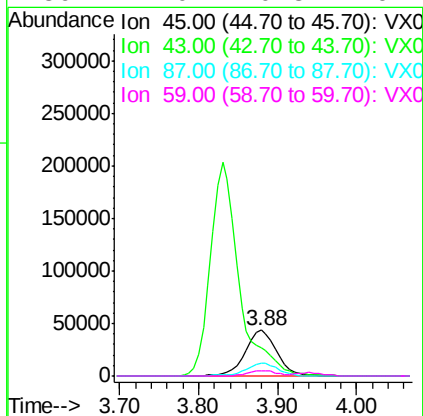
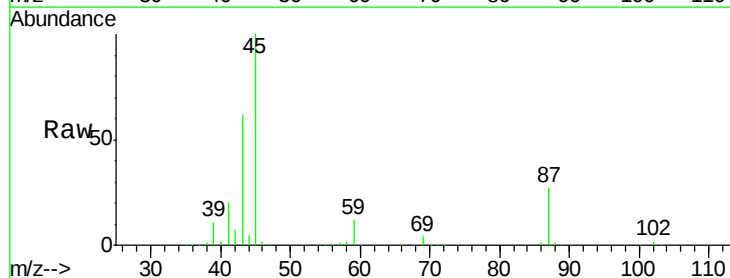
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

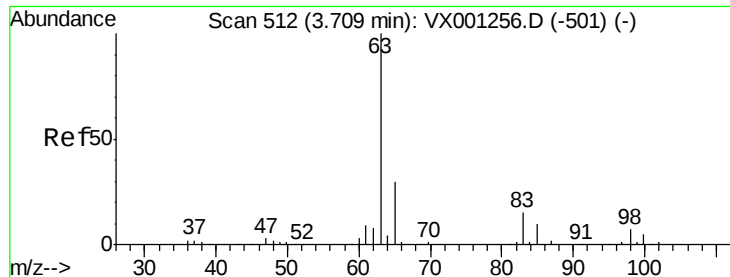
Tot Ion: 96 Resp: 40781
Ion Ratio Lower Upper
96 100
61 137.0 101.0 151.6
98 60.9 53.3 79.9



#20
Diisopropyl ether
Concen: 19.021 ug/l
RT: 3.88 min Scan# 540
Delta R.T. -0.00 min
Lab File: VX001390.D
Acq: 04 May 2018 11:13

Tgt Ion: 45 Resp: 121117
Ion Ratio Lower Upper
45 100
43 61.0 49.6 74.4
87 26.8 23.1 34.7
59 12.0 10.8 16.2





#21

1,1-Dichloroethane

Concen: 21.917 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX001390.D

Acq: 04 May 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

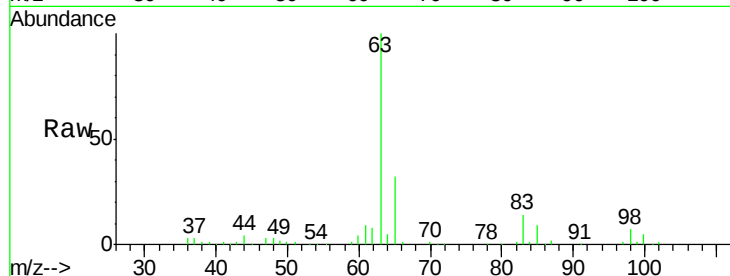
Tot Ion: 63 Resp: 74995

Ion Ratio Lower Upper

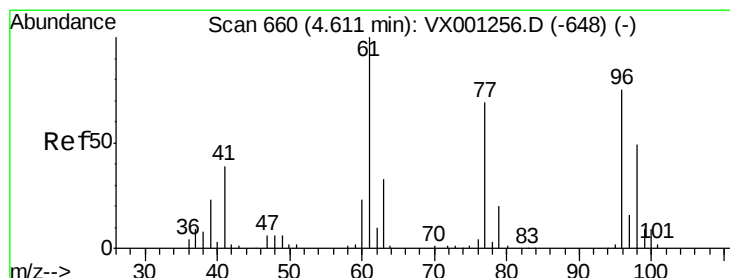
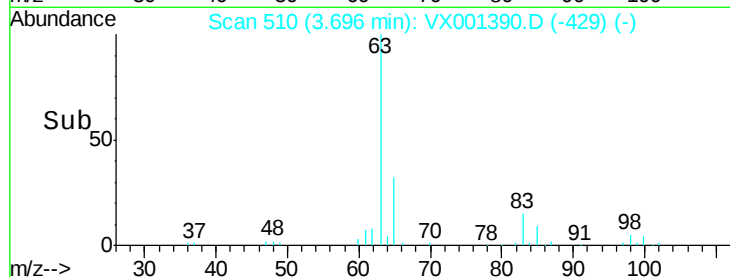
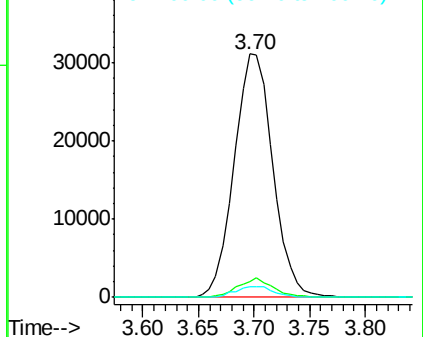
63 100

98 6.7 3.3 9.9

100 4.6 2.1 6.5



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: 19.170 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX001390.D

Acq: 04 May 2018 11:13

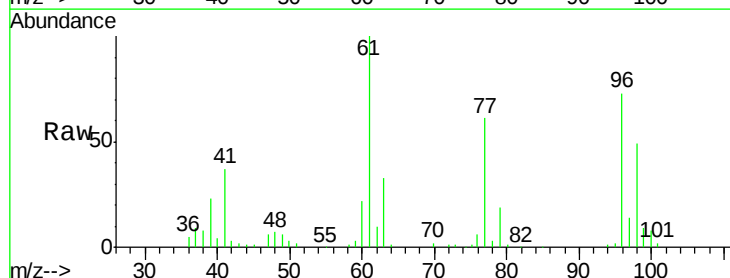
Tgt Ion: 96 Resp: 42081

Ion Ratio Lower Upper

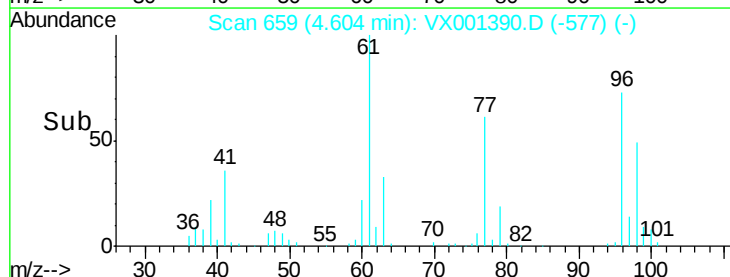
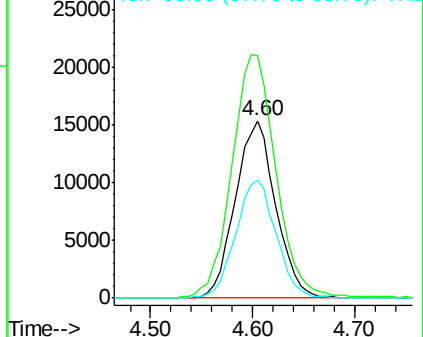
96 100

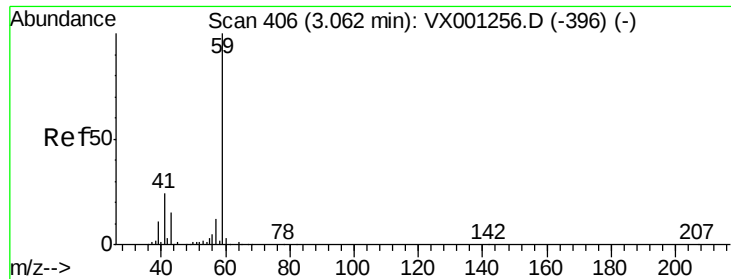
61 149.5 113.5 170.3

98 66.7 51.8 77.8



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



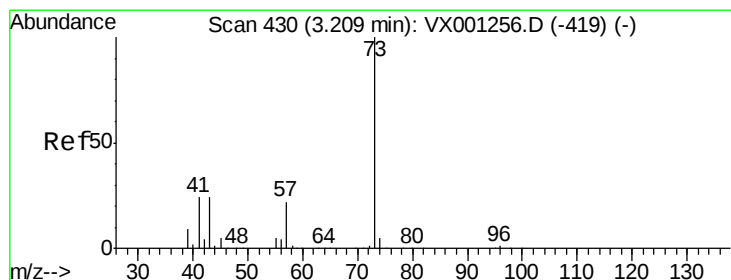
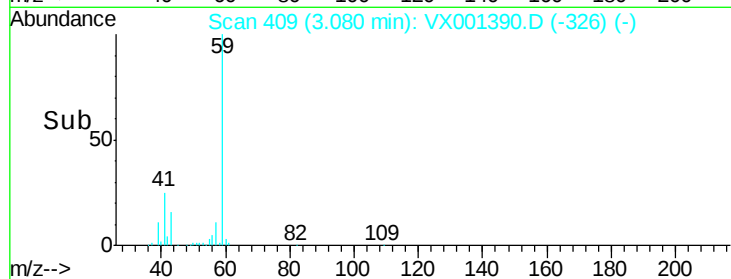
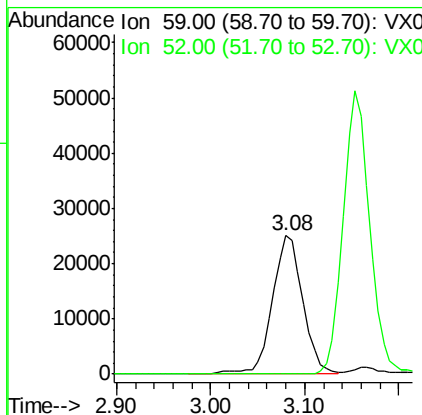
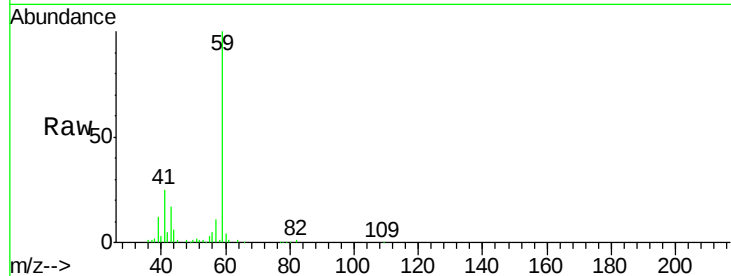


#23

tert-Butyl Alcohol
 Concen: 144.908 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. 0.01 min
 Lab File: VX001390.D
 Acq: 04 May 2018 11:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

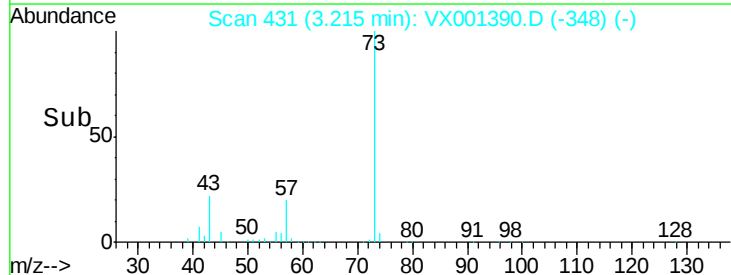
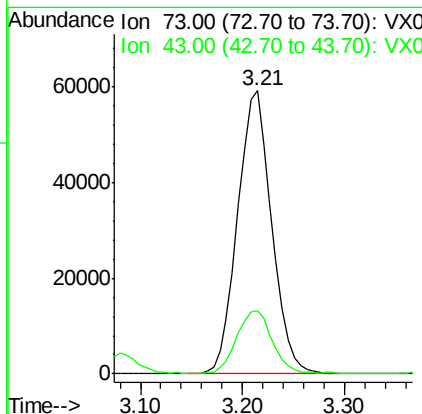
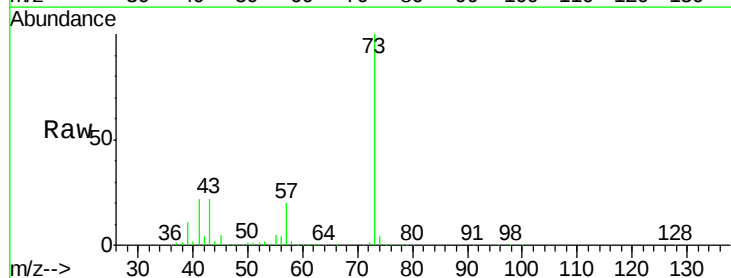
Tot Ion: 59 Resp: 56499
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.1 0.1#

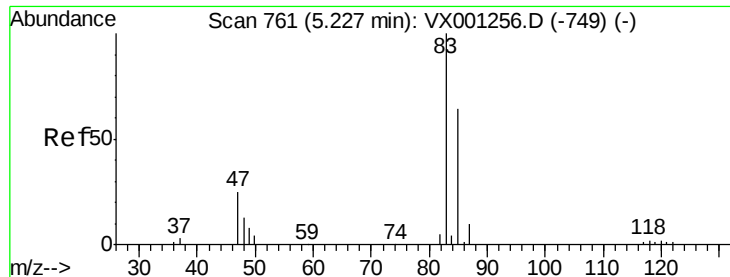


#24

Methyl tert-Butyl Ether
 Concen: 21.953 ug/l
 RT: 3.21 min Scan# 431
 Delta R.T. 0.01 min
 Lab File: VX001390.D
 Acq: 04 May 2018 11:13

Tgt Ion: 73 Resp: 137262
 Ion Ratio Lower Upper
 73 100
 43 22.7 16.5 24.7





#25

Chloroform

Concen: 19.985 ug/l

RT: 5.23 min Scan# 761

Delta R.T. -0.00 min

Lab File: VX001390.D

Acq: 04 May 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

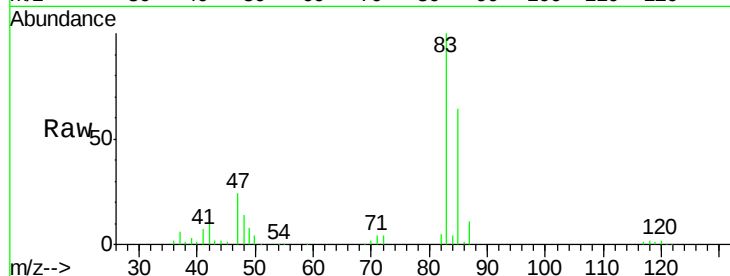
VSTDCCC020

Tot Ion: 83 Resp: 74456

Ion Ratio Lower Upper

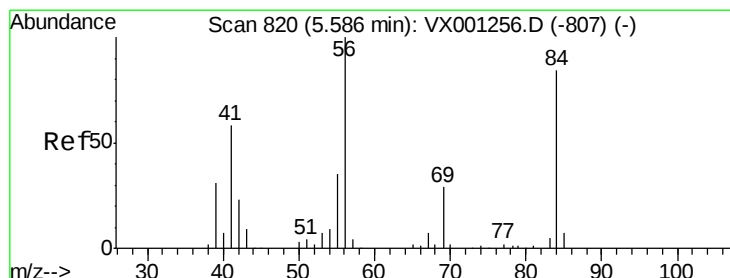
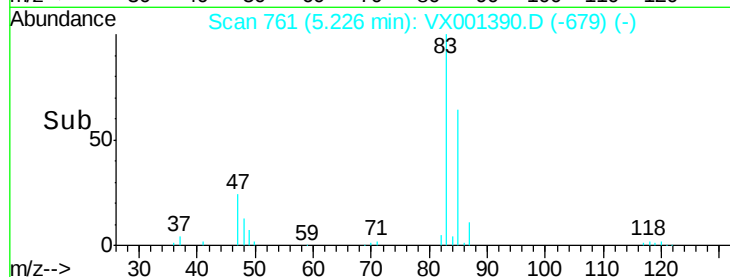
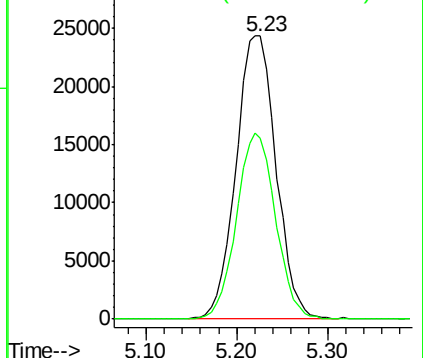
83 100

85 64.0 52.5 78.7



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 18.650 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX001390.D

Acq: 04 May 2018 11:13

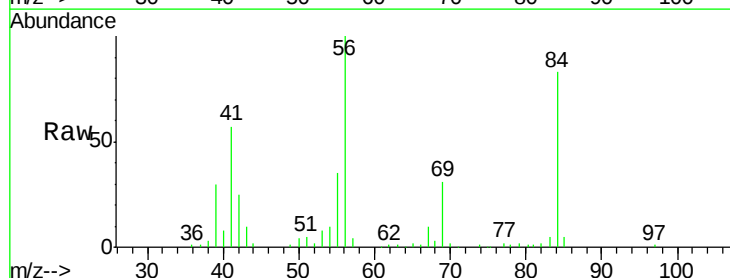
Tgt Ion: 56 Resp: 58023

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

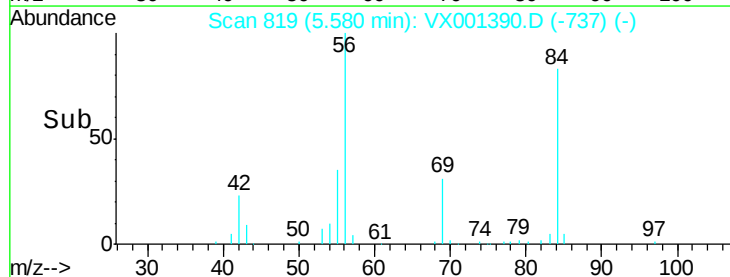
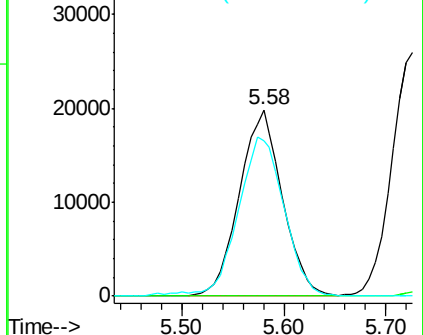
84 90.4 74.8 112.2

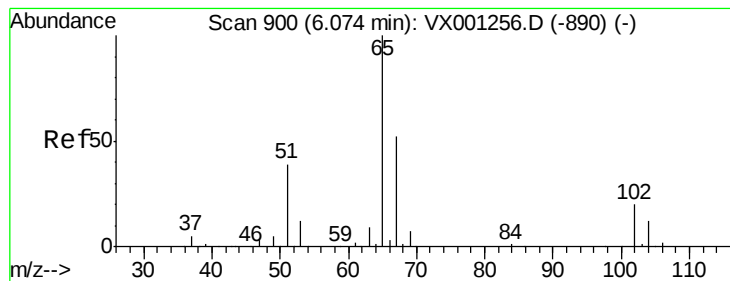


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 29.304 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001390.D

Acq: 04 May 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

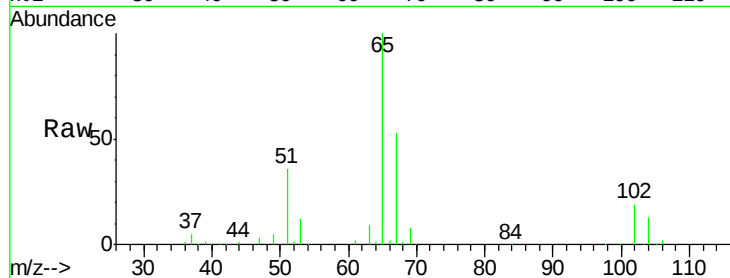
VSTDCCC020

Tot Ion: 65 Resp: 70358

Ion Ratio Lower Upper

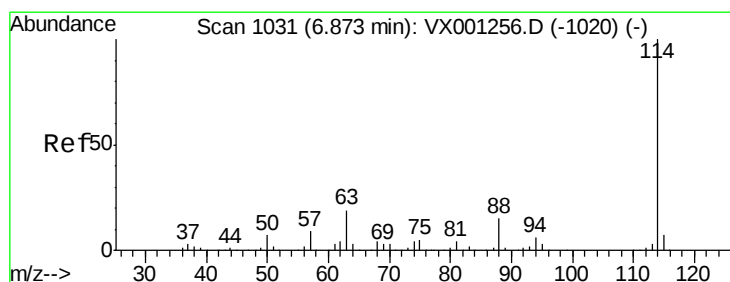
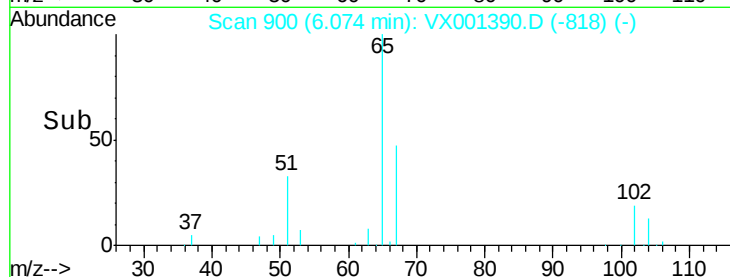
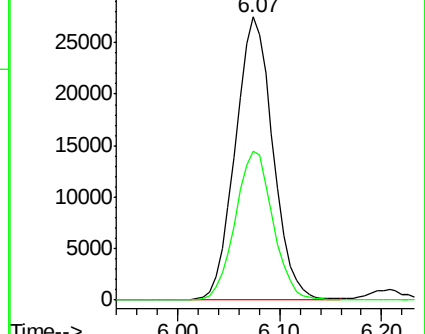
65 100

67 52.5 41.4 62.2



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001390.D

Acq: 04 May 2018 11:13

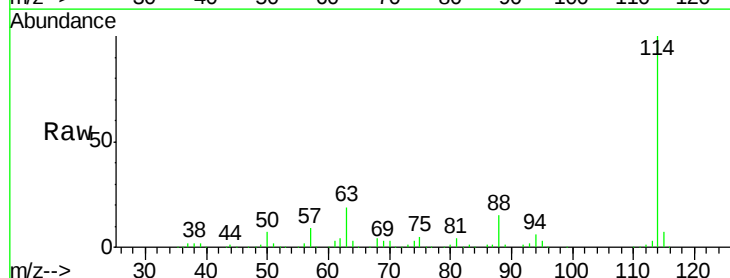
Tgt Ion: 114 Resp: 178859

Ion Ratio Lower Upper

114 100

63 19.3 15.0 22.4

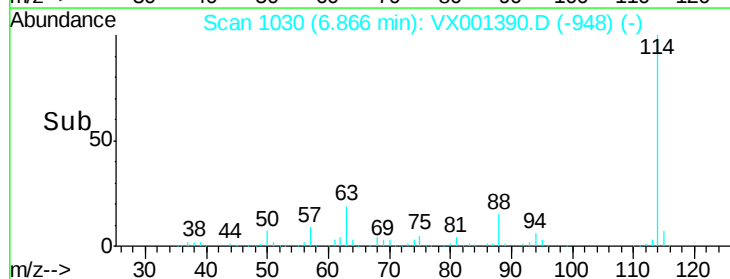
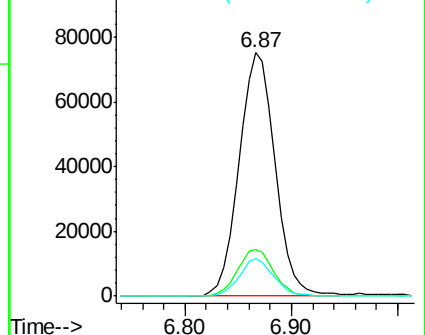
88 14.8 11.8 17.8

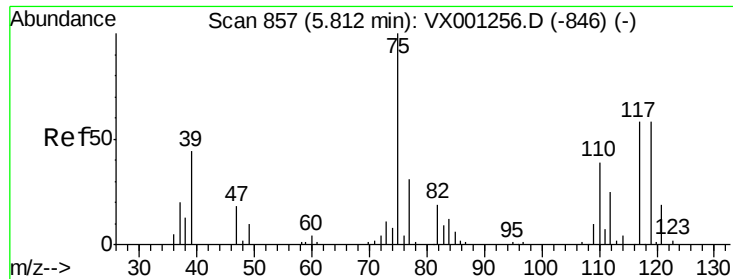


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

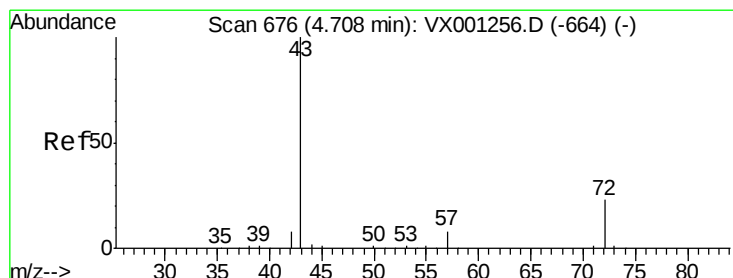
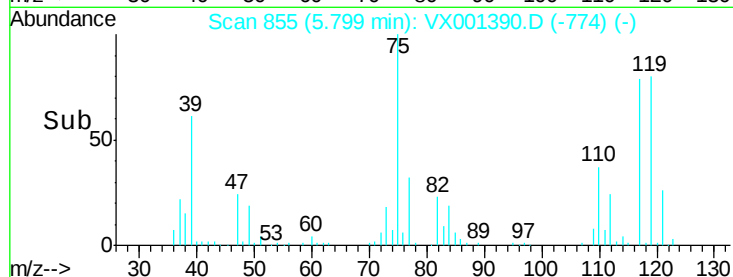
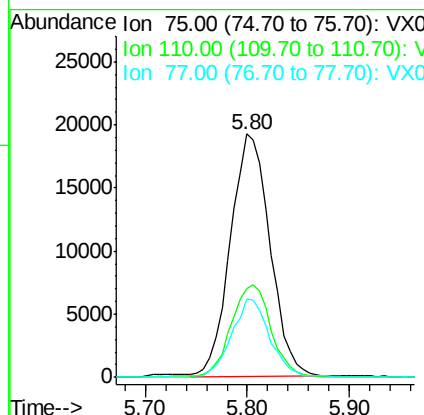
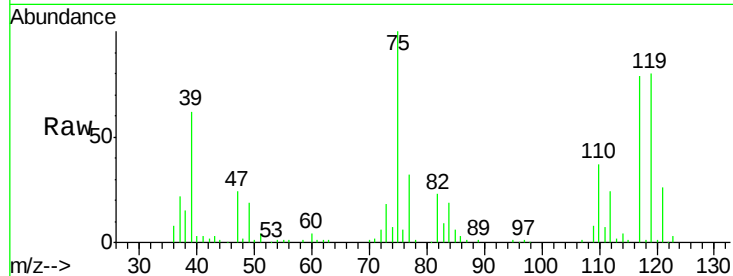




#29
 1,1-Dichloropropene
 Concen: 19.422 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VX001390.D
 Acq: 04 May 2018 11:13

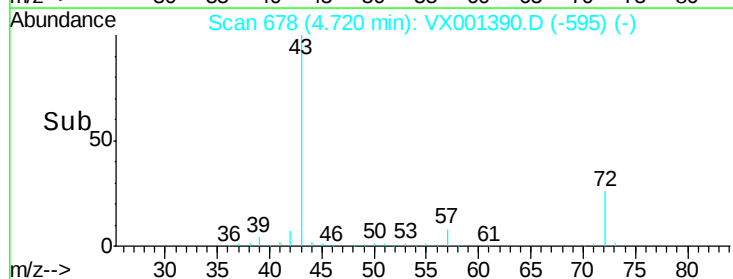
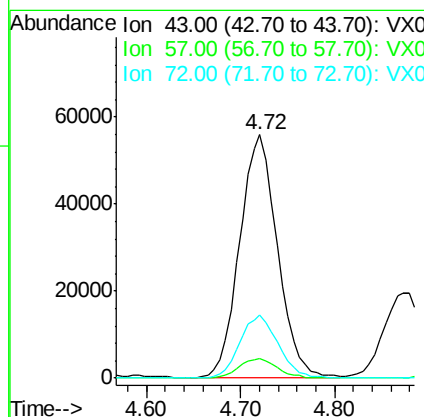
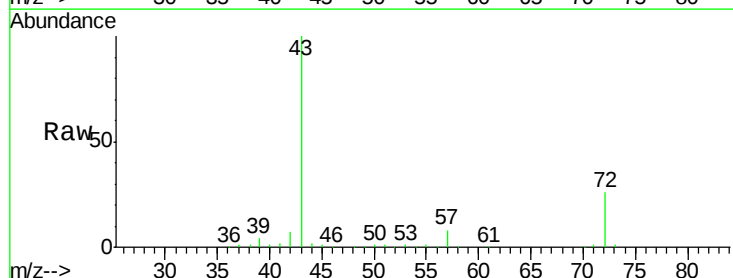
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

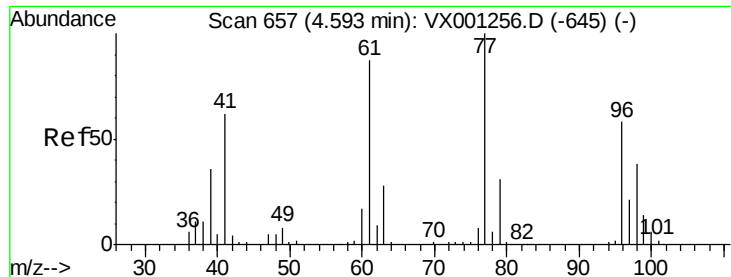
Tot Ion: 75 Resp: 51464
 Ion Ratio Lower Upper
 75 100
 110 38.7 0.0 75.6
 77 31.0 0.0 62.6



#30
 2-Butanone
 Concen: 114.803 ug/l
 RT: 4.72 min Scan# 678
 Delta R.T. 0.01 min
 Lab File: VX001390.D
 Acq: 04 May 2018 11:13

Tgt Ion: 43 Resp: 155892
 Ion Ratio Lower Upper
 43 100
 57 8.1 6.6 10.0
 72 26.3 21.8 32.6

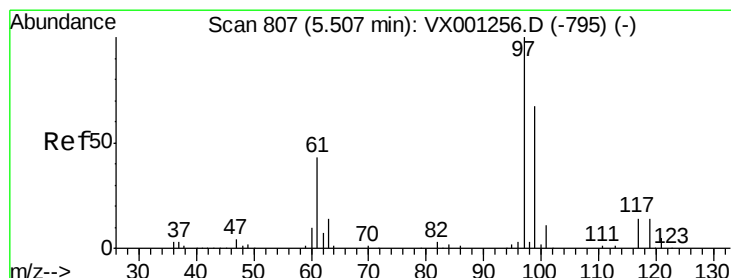
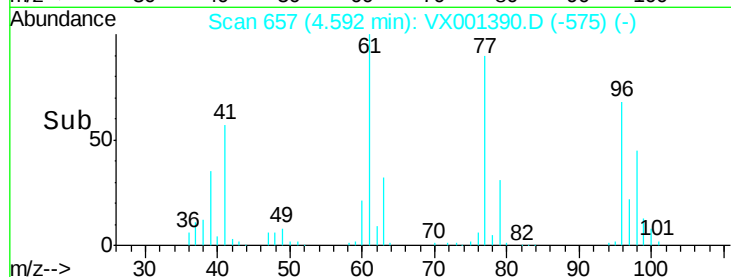
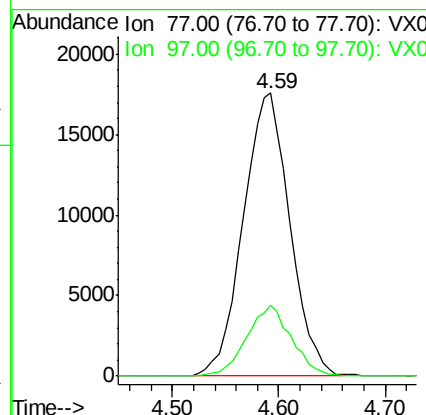
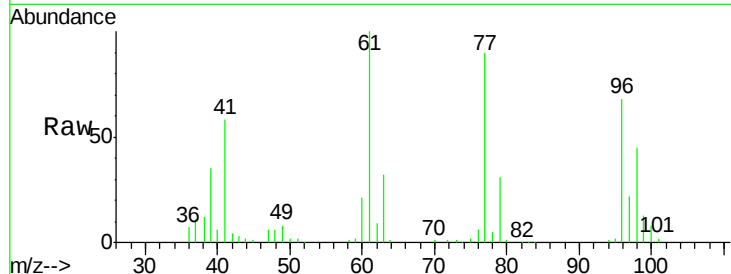




#31
 2,2-Dichloropropane
 Concen: 18.623 ug/l
 RT: 4.59 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VX001390.D
 Acq: 04 May 2018 11:13

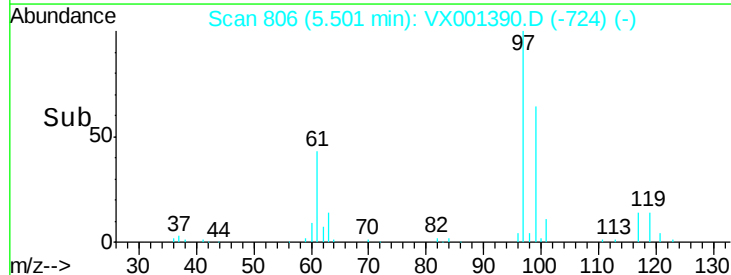
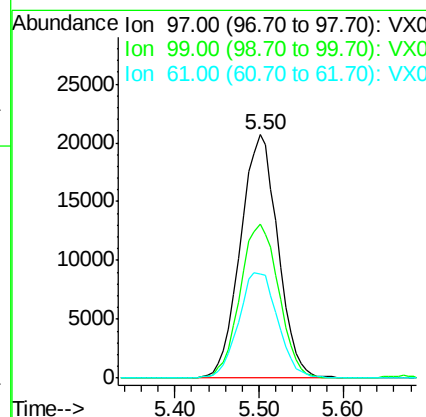
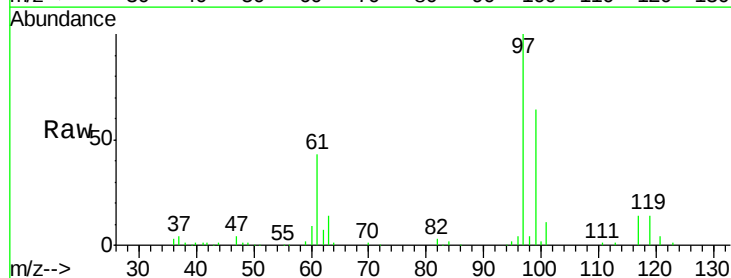
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

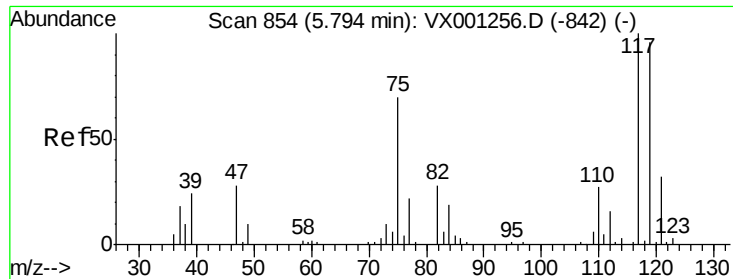
Tot Ion: 77 Resp: 53874
 Ion Ratio Lower Upper
 77 100
 97 24.0 18.6 27.8



#32
 1,1,1-Trichloroethane
 Concen: 19.449 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX001390.D
 Acq: 04 May 2018 11:13

Tgt Ion: 97 Resp: 62359
 Ion Ratio Lower Upper
 97 100
 99 65.4 52.3 78.5
 61 44.9 34.3 51.5

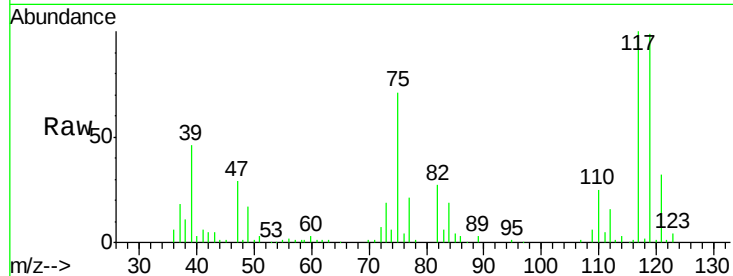




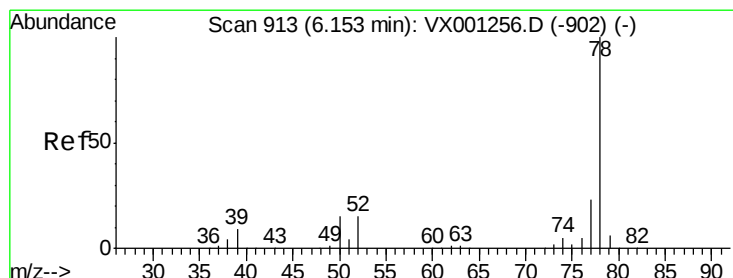
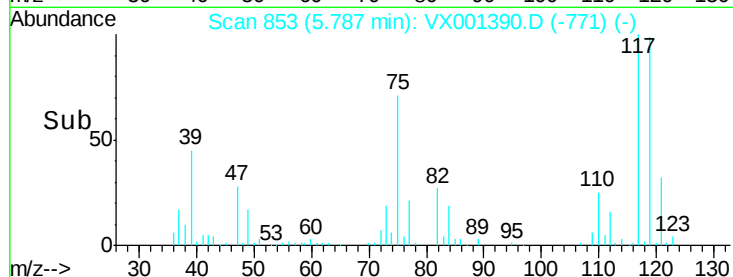
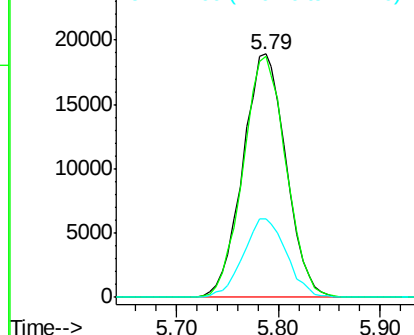
#33
Carbon Tetrachloride
Concen: 19.258 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX001390.D
Acq: 04 May 2018 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion:117 Resp: 55653
Ion Ratio Lower Upper
117 100
119 98.8 73.5 110.3
121 32.2 24.6 37.0

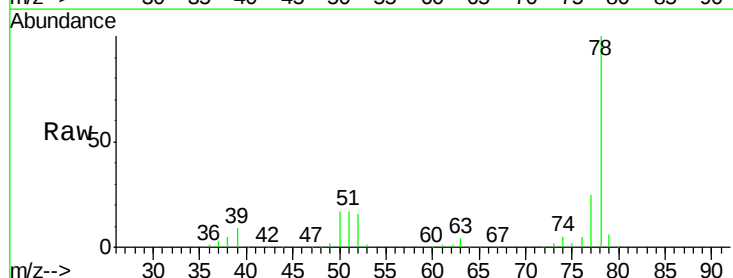


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

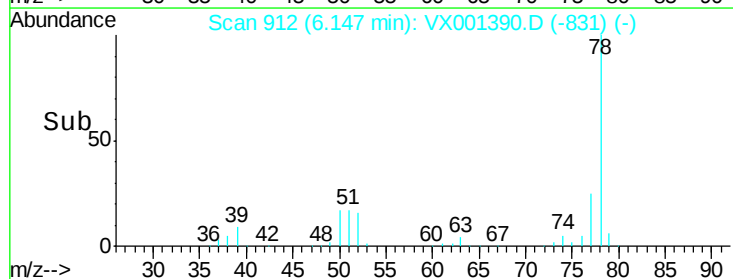
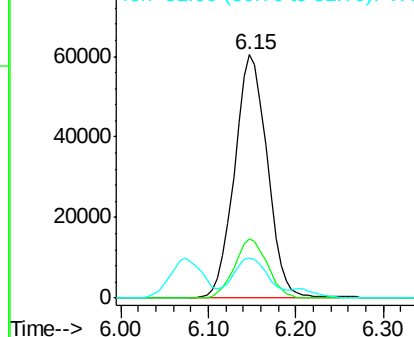


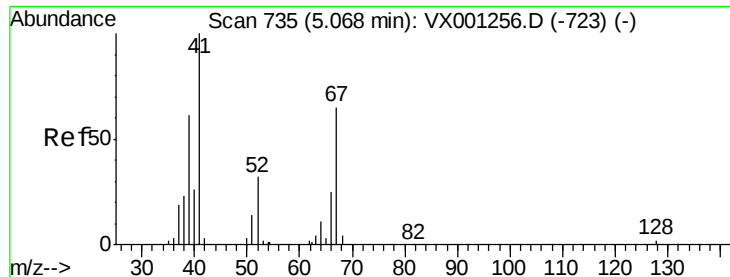
#34
Benzene
Concen: 20.104 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.01 min
Lab File: VX001390.D
Acq: 04 May 2018 11:13

Tgt Ion: 78 Resp: 157853
Ion Ratio Lower Upper
78 100
77 24.6 21.7 32.5
51 16.3 14.9 22.3



Abundance Ion 78.10 (77.80 to 78.80): VX0
Ion 77.00 (76.70 to 77.70): VX0
Ion 51.00 (50.70 to 51.70): VX0

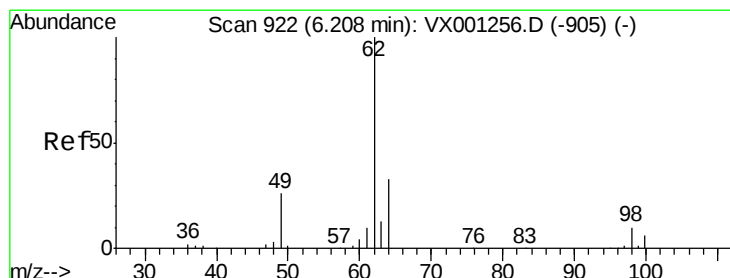
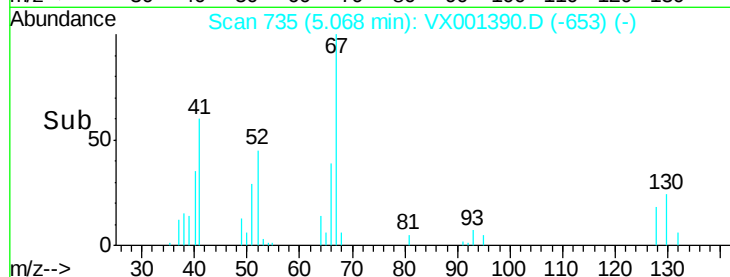
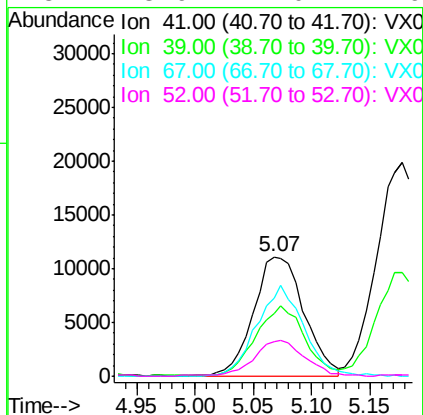
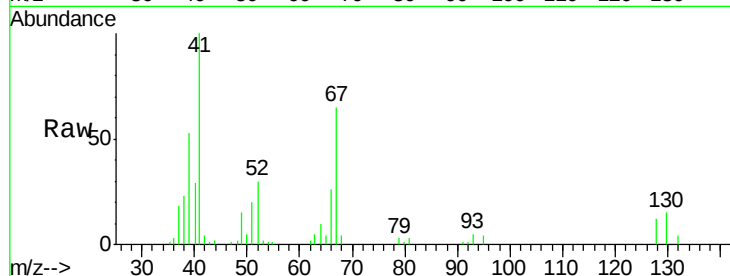




#35
Methacrylonitrile
Concen: 22.221 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX001390.D
Acq: 04 May 2018 11:13

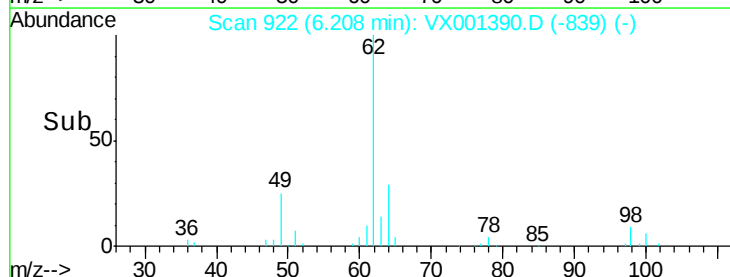
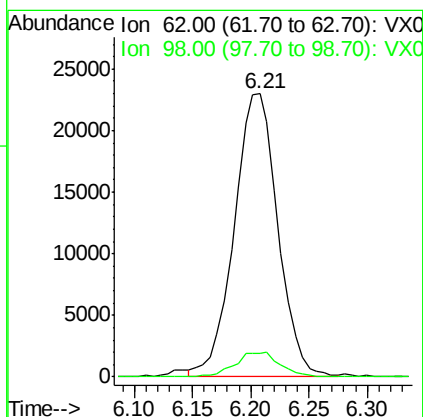
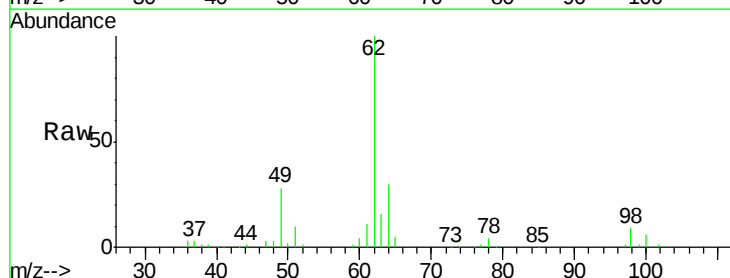
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

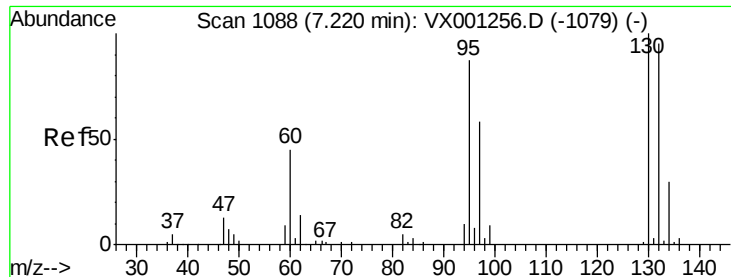
Tot Ion:	41	Resp:	33483
Ion	Ratio	Lower	Upper
41	100		
39	51.8	29.8	89.3
67	65.0	28.7	86.3
52	28.9	14.0	41.9



#36
1,2-Dichloroethane
Concen: 19.864 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.01 min
Lab File: VX001390.D
Acq: 04 May 2018 11:13

Tgt Ion:	62	Resp:	59864
Ion	Ratio	Lower	Upper
62	100		
98	4.3	6.9	10.3#





#37

Trichloroethene

Concen: 20.661 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX001390.D

Acq: 04 May 2018 11:13

Instrument :

MSVOA_X

ClientSampled :

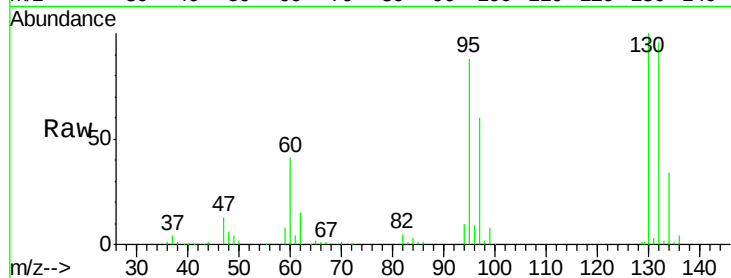
VSTDCCC020

Tot Ion:130 Resp: 49192

Ion Ratio Lower Upper

130 100

95 88.1 74.6 112.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.22

25000

20000

15000

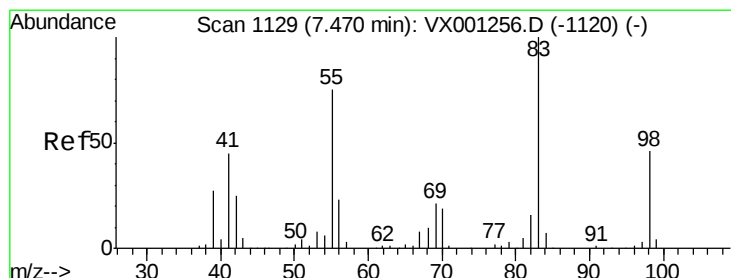
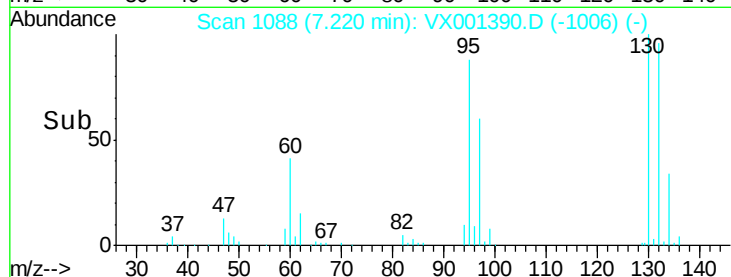
10000

5000

0

Time-->

7.15 7.20 7.25 7.30



#38

Methylcyclohexane

Concen: 20.214 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. -0.01 min

Lab File: VX001390.D

Acq: 04 May 2018 11:13

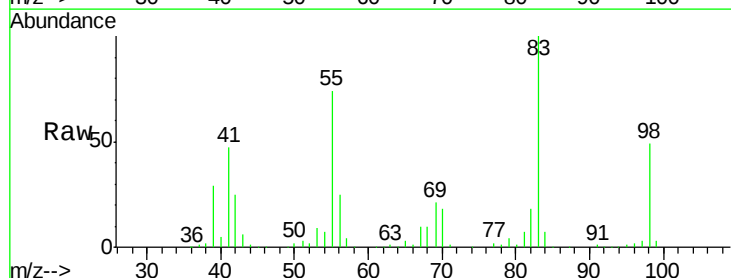
Tgt Ion: 83 Resp: 63028

Ion Ratio Lower Upper

83 100

55 75.1 35.9 107.7

98 47.7 24.6 74.0



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

7.46

40000

30000

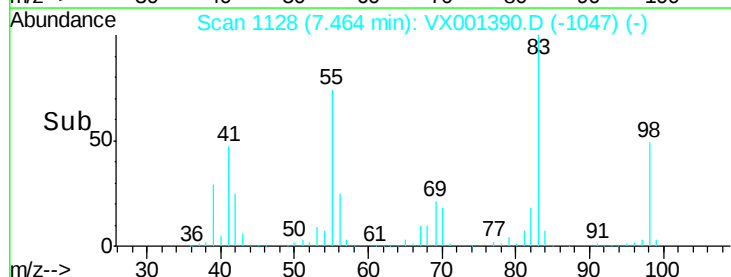
20000

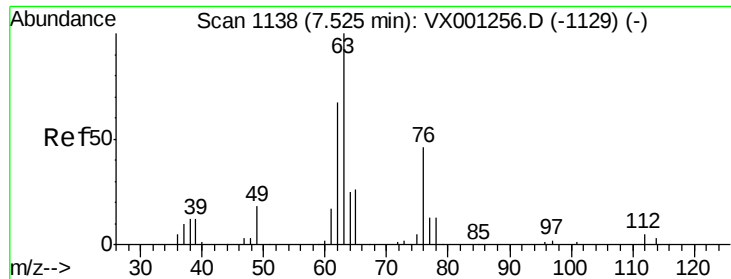
10000

0

Time-->

7.40 7.45 7.50 7.55

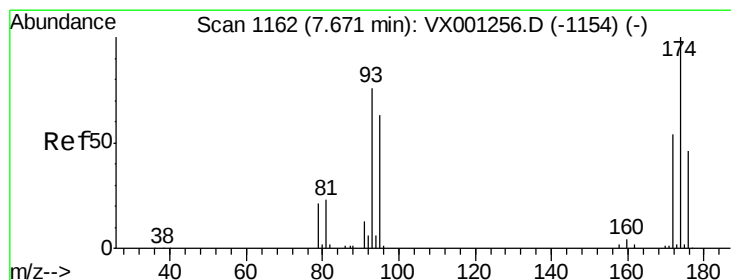
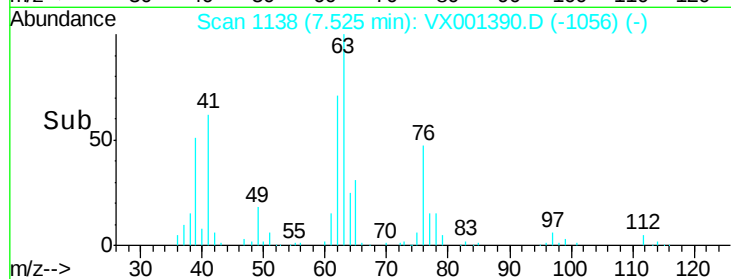
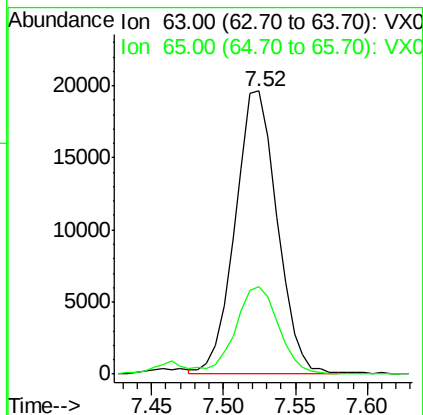
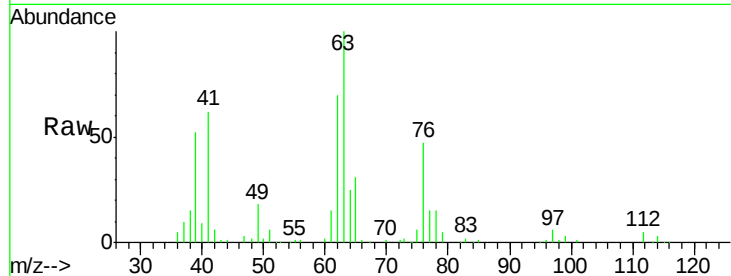




#39
 1,2-Dichloropropane
 Concen: 20.118 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX001390.D
 Acq: 04 May 2018 11:13

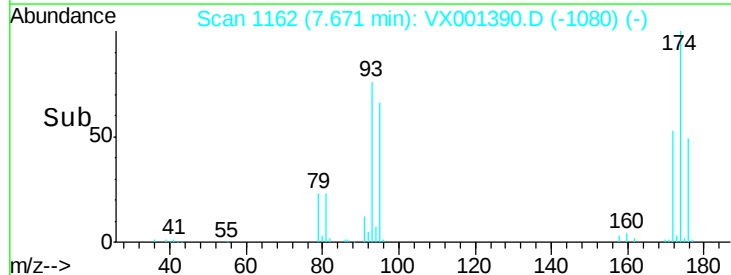
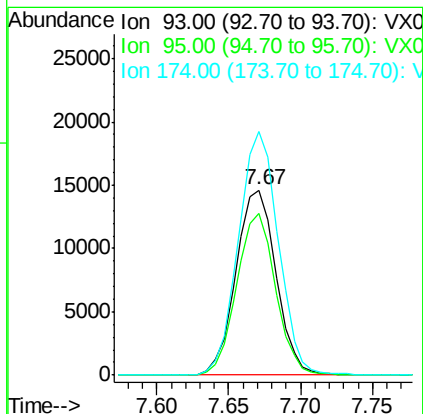
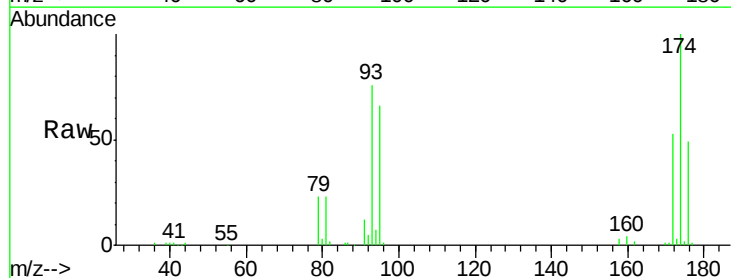
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

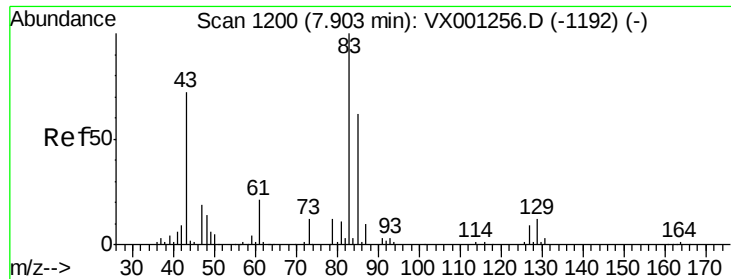
Tot Ion: 63 Resp: 40061
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.0 37.6



#40
 Dibromomethane
 Concen: 20.252 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VX001390.D
 Acq: 04 May 2018 11:13

Tgt Ion: 93 Resp: 28370
 Ion Ratio Lower Upper
 93 100
 95 84.2 0.0 170.6
 174 131.0 0.0 210.4





#41

Bromodichloromethane

Concen: 19.362 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VX001390.D

Acq: 04 May 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

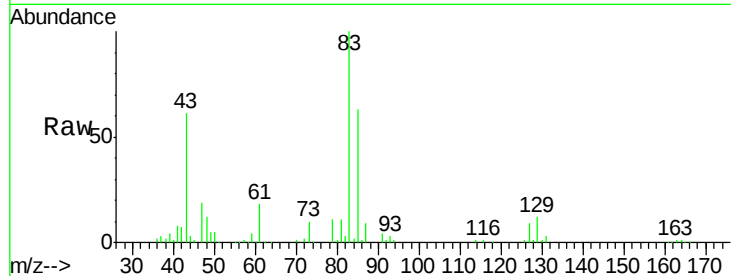
Tot Ion: 83 Resp: 51241

Ion Ratio Lower Upper

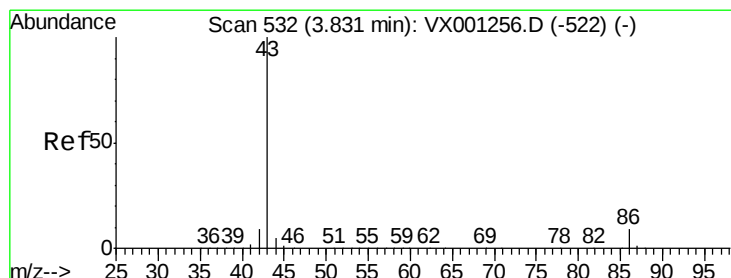
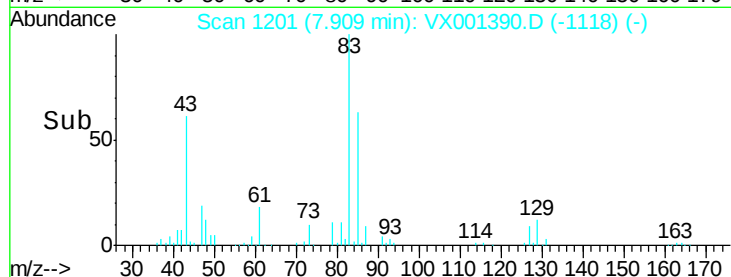
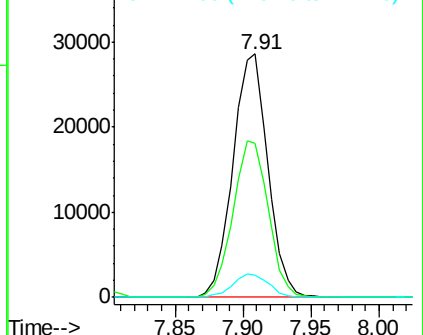
83 100

85 63.0 50.0 75.0

127 9.0 6.6 10.0



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: 96.631 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX001390.D

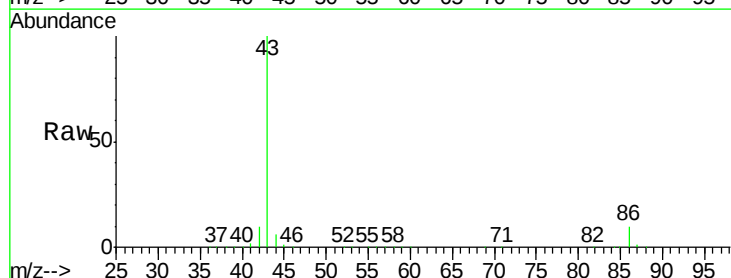
Acq: 04 May 2018 11:13

Tgt Ion: 43 Resp: 516154

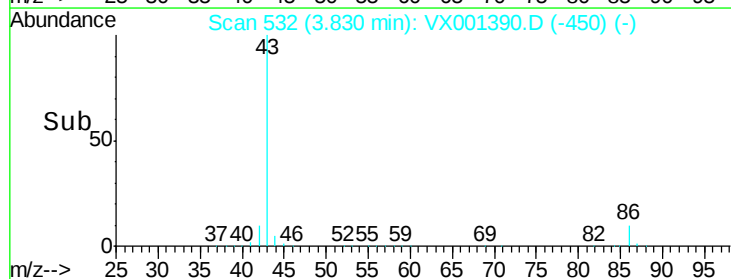
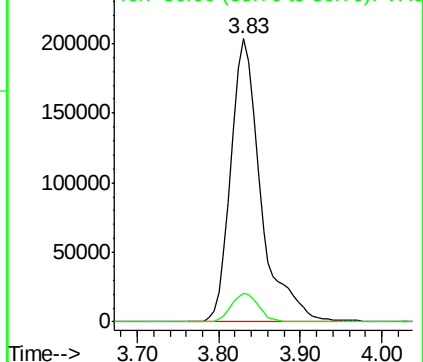
Ion Ratio Lower Upper

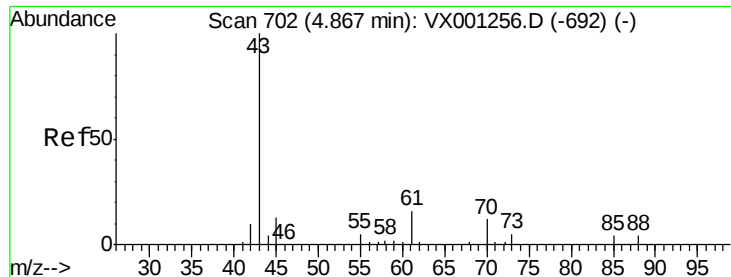
43 100

86 9.1 7.8 11.6



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





#43

Ethyl Acetate

Concen: 22.515 ug/l

RT: 4.88 min Scan# 704

Delta R.T. 0.01 min

Lab File: VX001390.D

Acq: 04 May 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

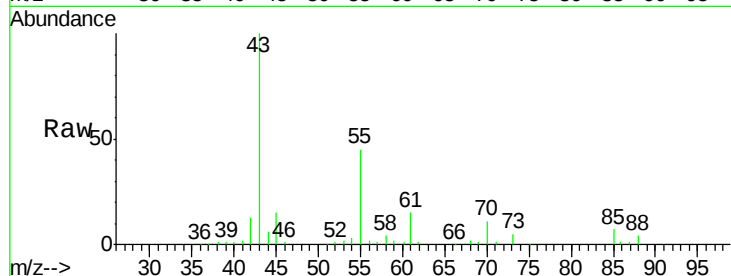
VSTDCCC020

Tot Ion: 43 Resp: 58876

Ion Ratio Lower Upper

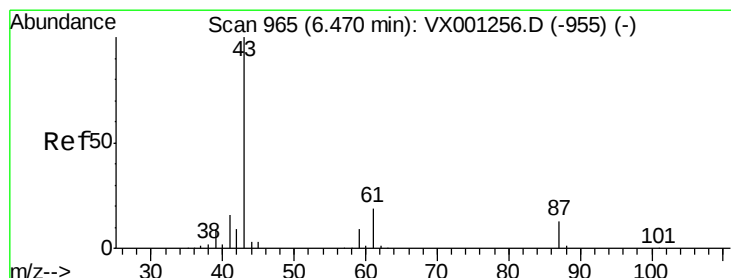
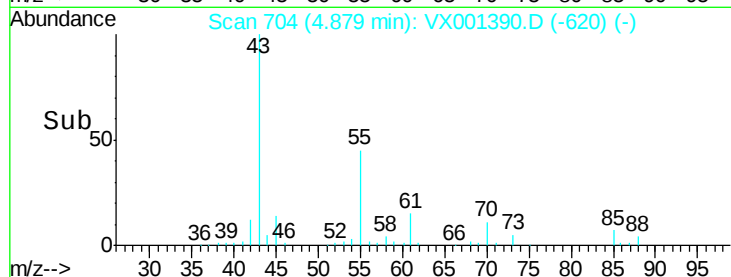
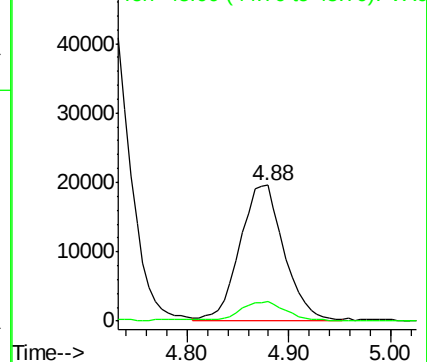
43 100

45 14.7 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#44

Isopropyl Acetate

Concen: 20.782 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.01 min

Lab File: VX001390.D

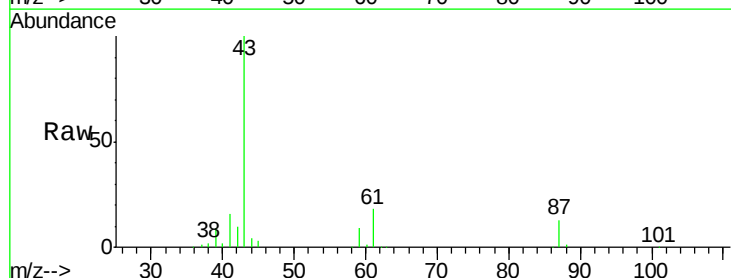
Acq: 04 May 2018 11:13

Tgt Ion: 43 Resp: 92470

Ion Ratio Lower Upper

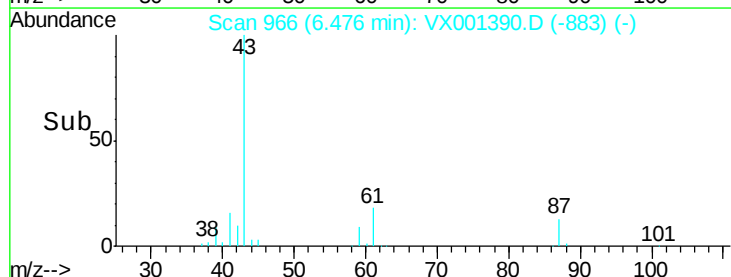
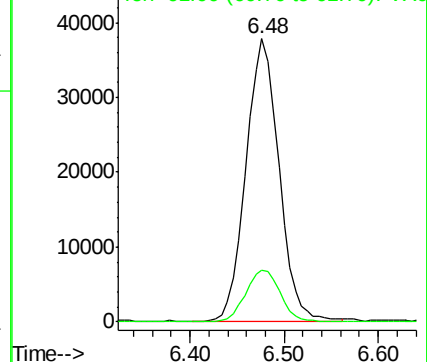
43 100

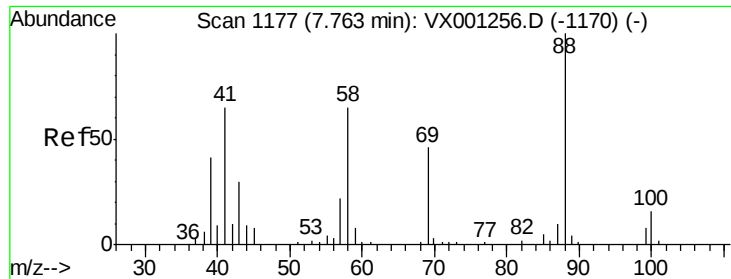
61 19.1 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

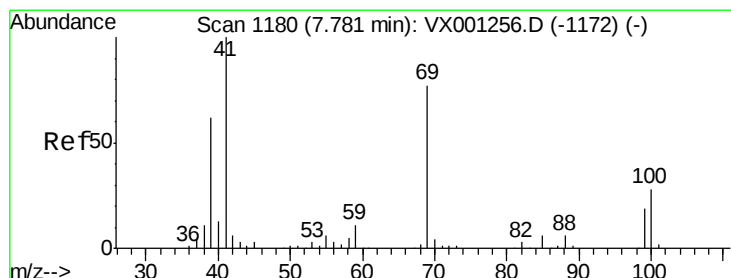
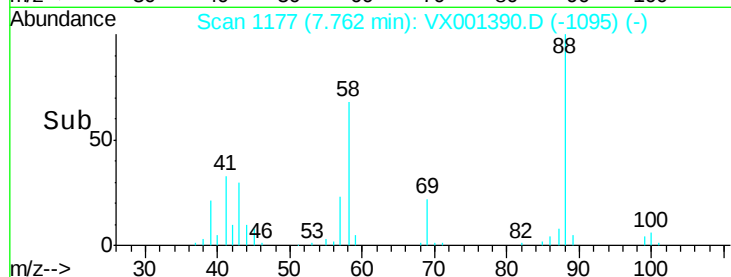
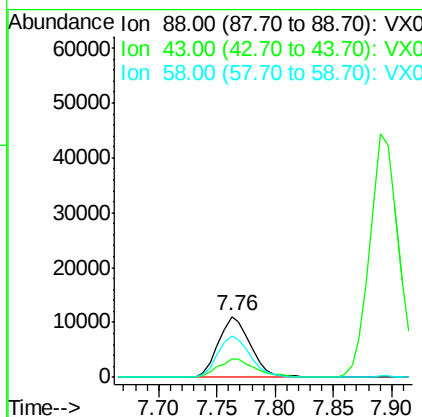
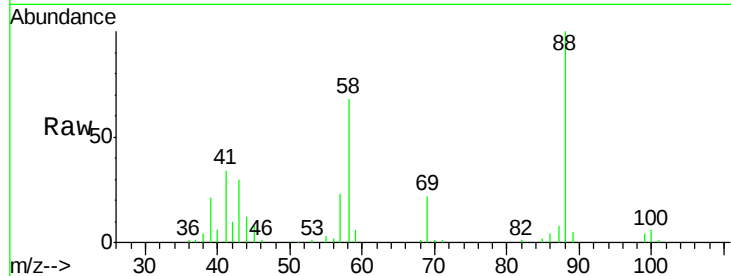




#45
 1,4-Dioxane
 Concen: 520.241 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. 0.00 min
 Lab File: VX001390.D
 Acq: 04 May 2018 11:13

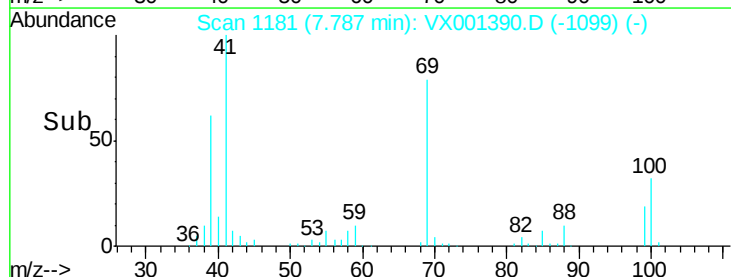
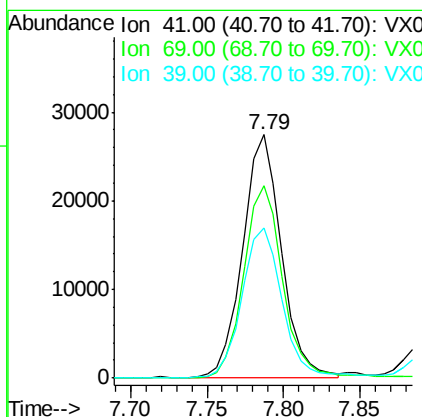
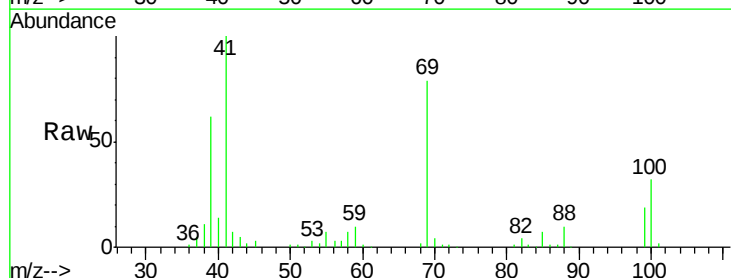
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

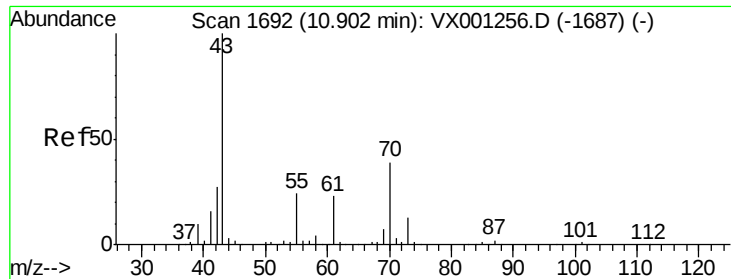
Tot Ion: 88 Resp: 21041
 Ion Ratio Lower Upper
 88 100
 43 35.1 26.8 40.2
 58 69.0 52.1 78.1



#46
 Methyl methacrylate
 Concen: 20.856 ug/l
 RT: 7.79 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VX001390.D
 Acq: 04 May 2018 11:13

Tgt Ion: 41 Resp: 48280
 Ion Ratio Lower Upper
 41 100
 69 79.3 45.5 136.5
 39 61.6 32.5 97.5

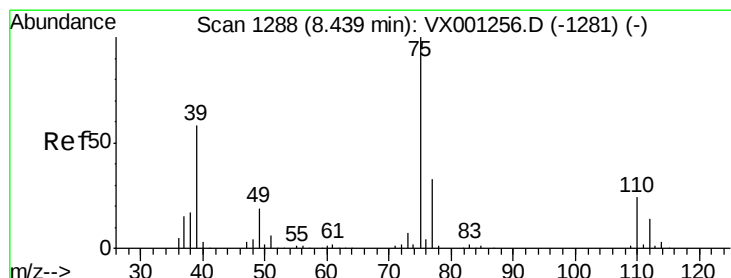
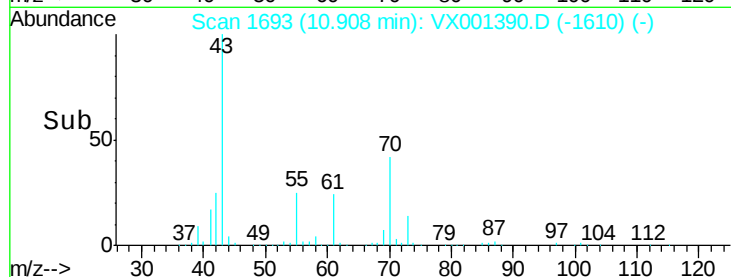
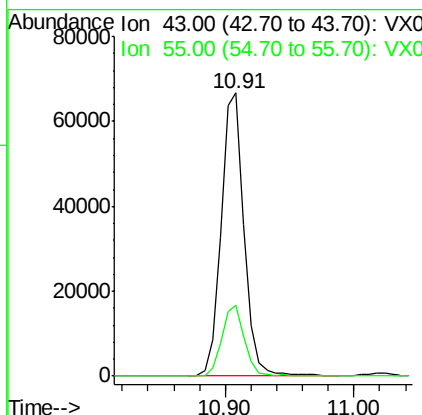
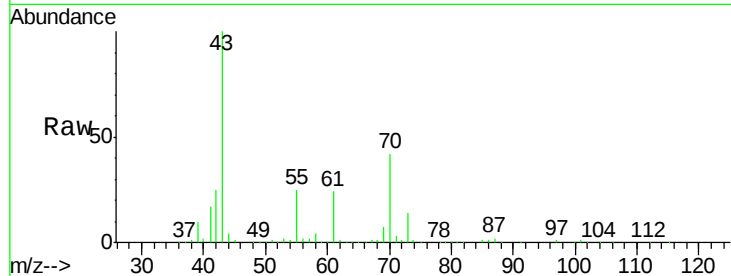




#47
n-amvl Acetate
Concen: 19.453 ug/l
RT: 10.91 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VX001390.D
Acq: 04 May 2018 11:13

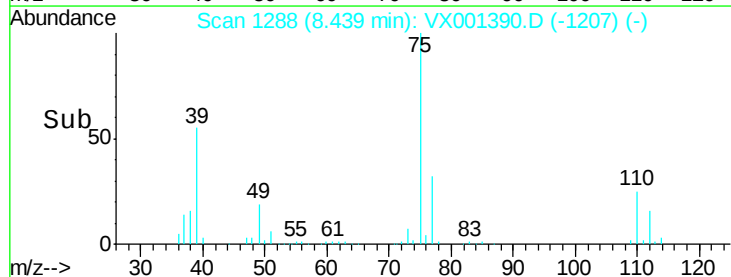
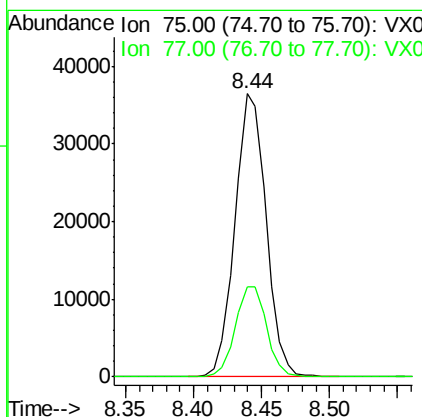
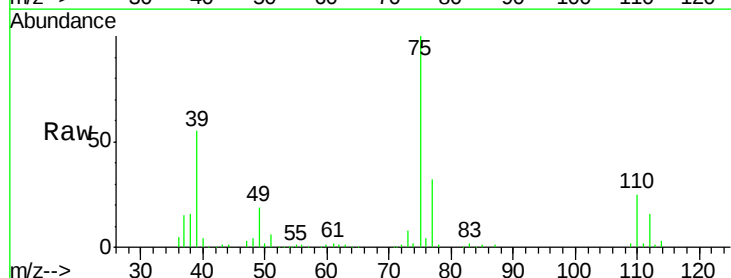
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

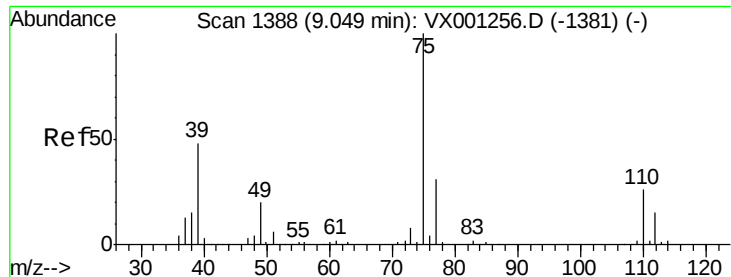
Tot Ion: 43 Resp: 83066
Ion Ratio Lower Upper
43 100
55 25.2 19.4 29.2



#48
t-1,3-Dichloropropene
Concen: 18.722 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VX001390.D
Acq: 04 May 2018 11:13

Tgt Ion: 75 Resp: 58327
Ion Ratio Lower Upper
75 100
77 31.7 24.6 37.0



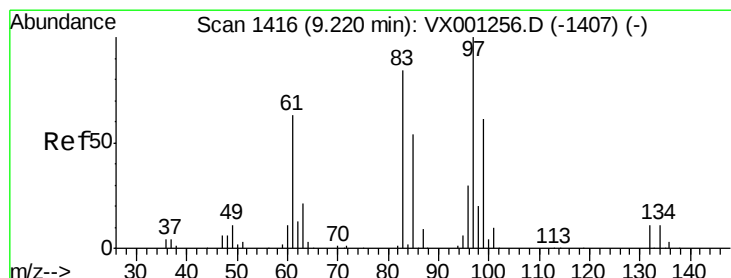
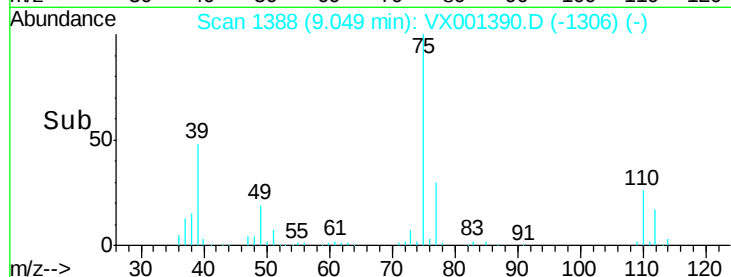
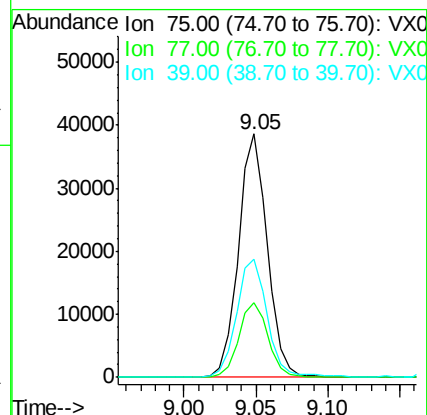
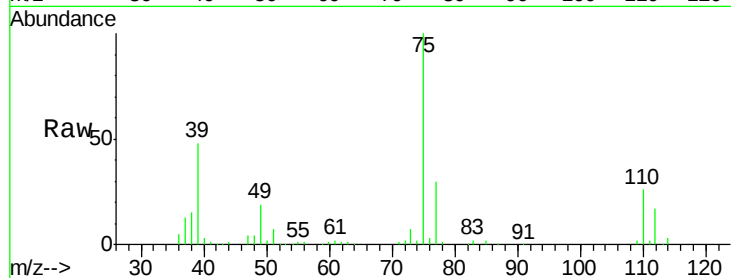


#49

cis-1,3-Dichloropropene
 Concen: 18.043 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VX001390.D
 Acq: 04 May 2018 11:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

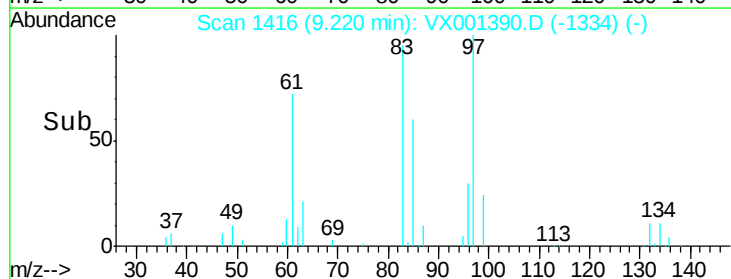
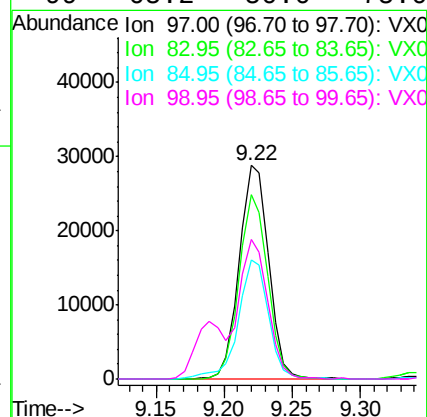
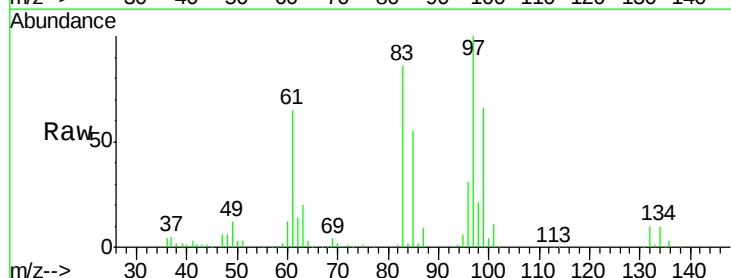
Tot Ion: 75 Resp: 53844
 Ion Ratio Lower Upper
 75 100
 77 30.5 24.5 36.7
 39 48.1 35.6 53.4

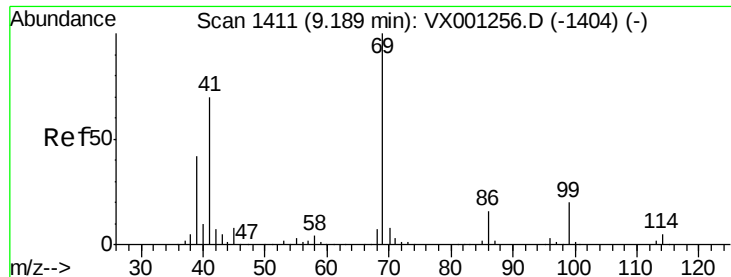


#50

1,1,2-Trichloroethane
 Concen: 21.021 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX001390.D
 Acq: 04 May 2018 11:13

Tgt Ion: 97 Resp: 43734
 Ion Ratio Lower Upper
 97 100
 83 86.2 66.9 100.3
 85 55.5 44.4 66.6
 99 65.2 50.0 75.0





#51

Ethyl methacrylate

Concen: 20.343 ug/l

RT: 9.19 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VX001390.D

Acq: 04 May 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

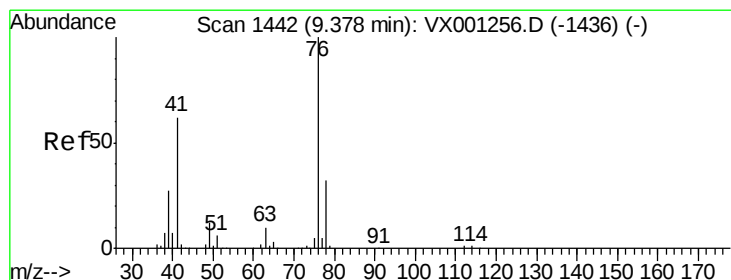
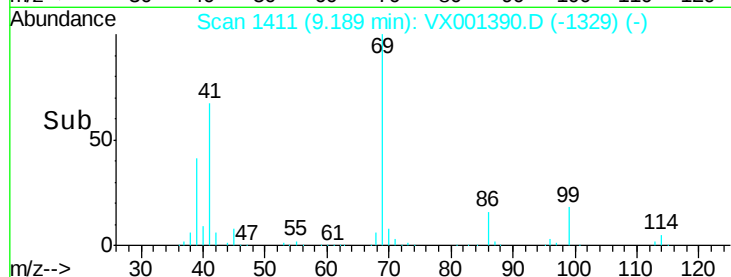
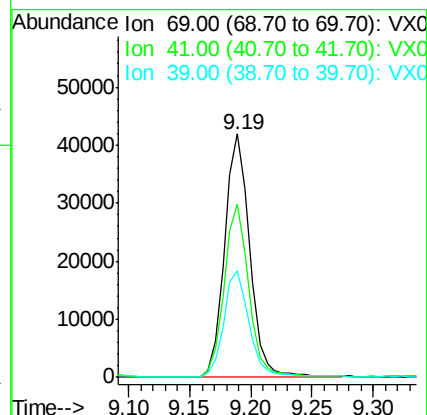
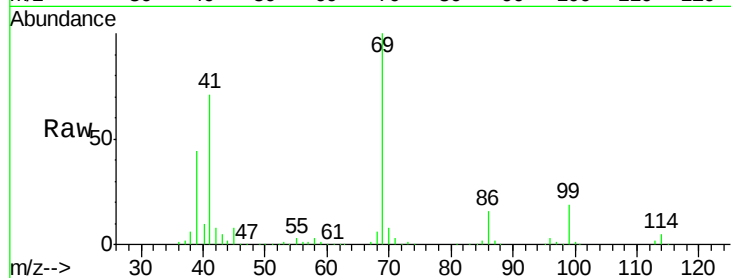
Tot Ion: 69 Resp: 60304

Ion Ratio Lower Upper

69 100

41 71.1 32.1 96.3

39 43.6 19.6 58.7



#52

1,3-Dichloropropane

Concen: 20.873 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX001390.D

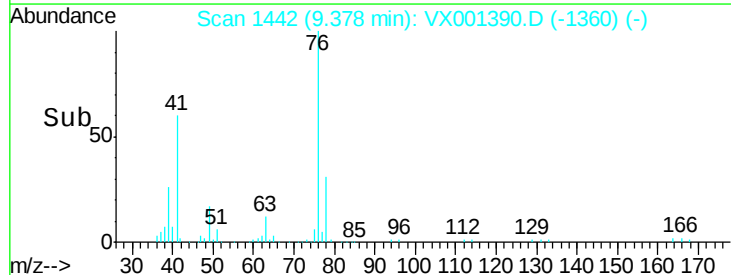
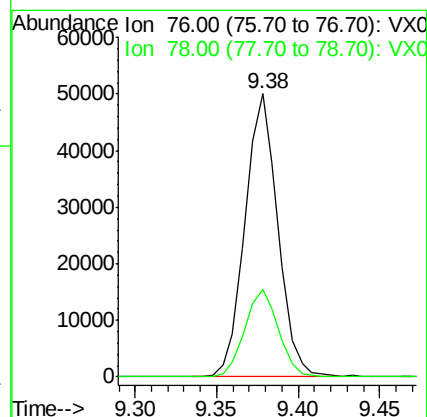
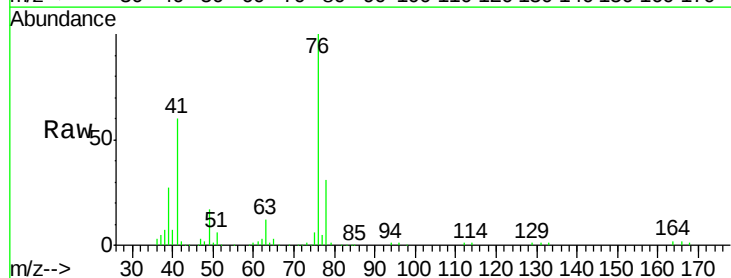
Acq: 04 May 2018 11:13

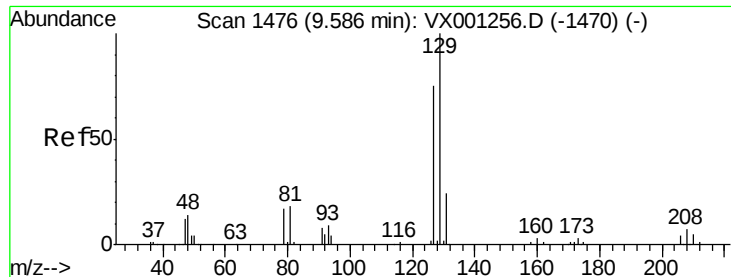
Tgt Ion: 76 Resp: 70195

Ion Ratio Lower Upper

76 100

78 31.7 0.0 65.0

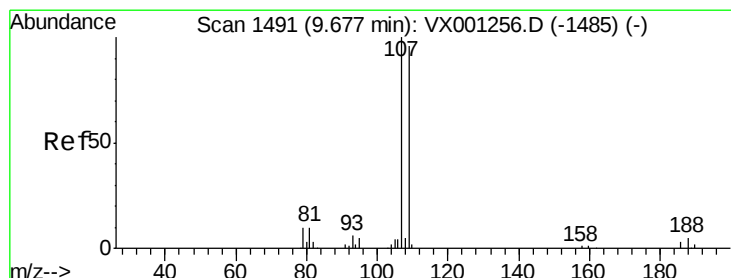
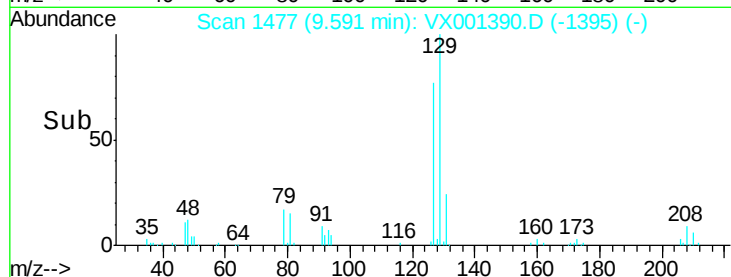
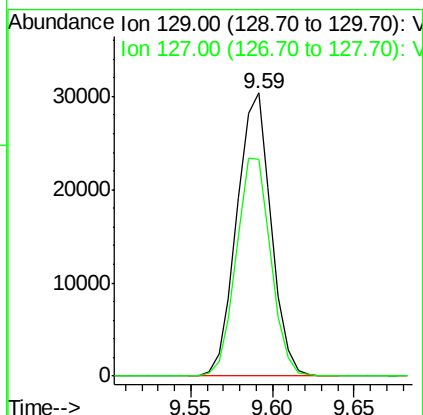
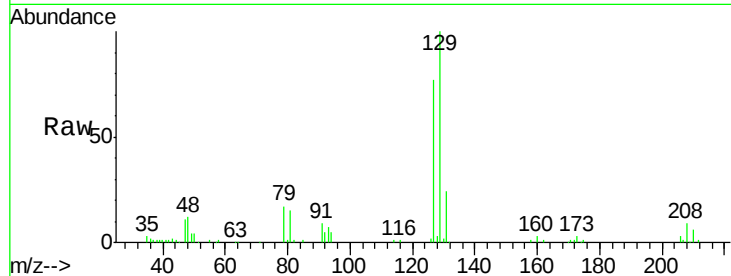




#53
 Dibromochloromethane
 Concen: 19.331 ug/l
 RT: 9.59 min Scan# 1477
 Delta R.T. -0.00 min
 Lab File: VX001390.D
 Acq: 04 May 2018 11:13

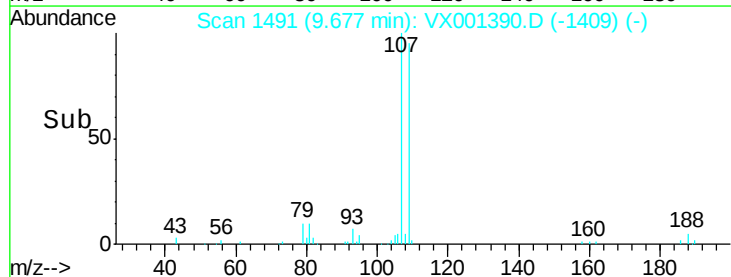
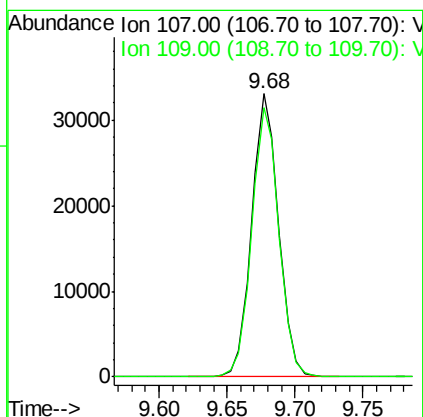
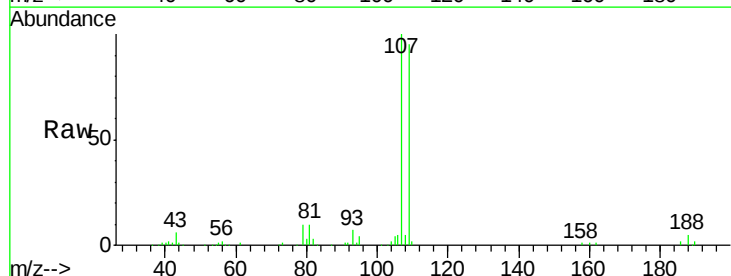
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

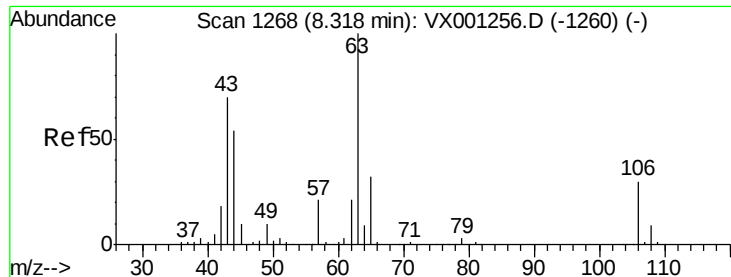
Tot Ion:129 Resp: 44391
 Ion Ratio Lower Upper
 129 100
 127 77.8 37.5 112.5



#54
 1,2-Dibromoethane
 Concen: 20.609 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. -0.00 min
 Lab File: VX001390.D
 Acq: 04 May 2018 11:13

Tgt Ion:107 Resp: 45892
 Ion Ratio Lower Upper
 107 100
 109 96.2 74.5 111.7

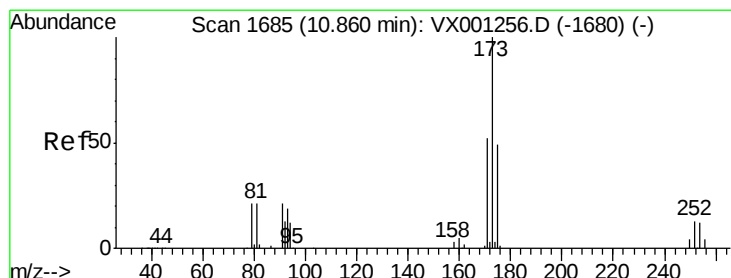
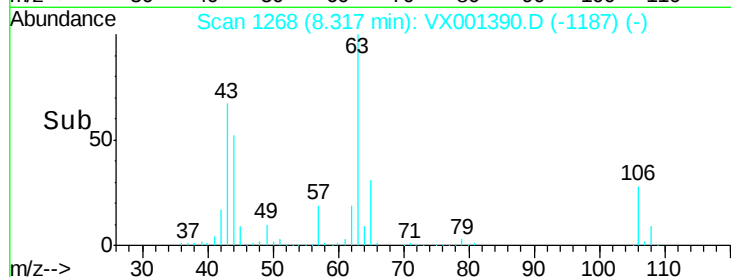
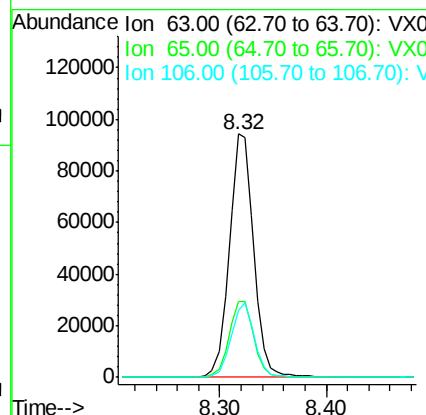
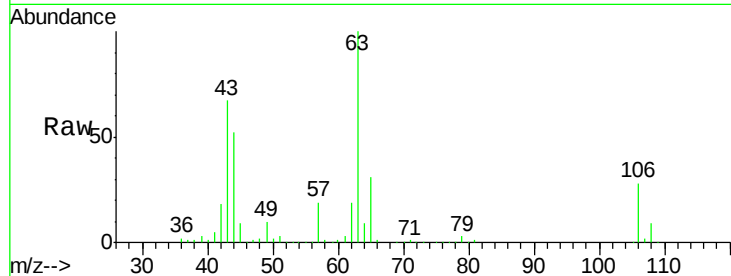




#55
 2-Chloroethyl vinyl ether
 Concen: 103.618 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX001390.D
 Acq: 04 May 2018 11:13

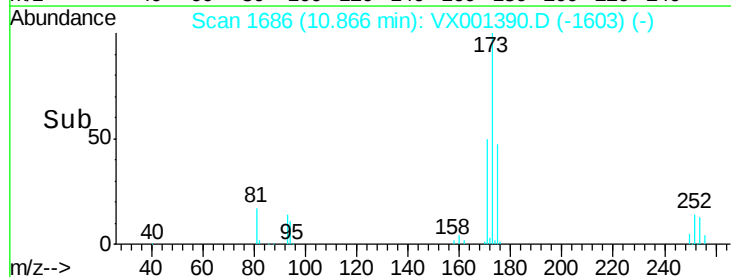
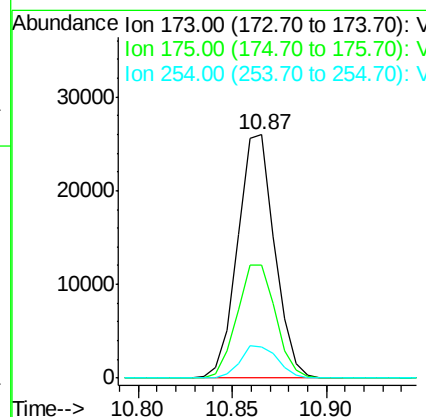
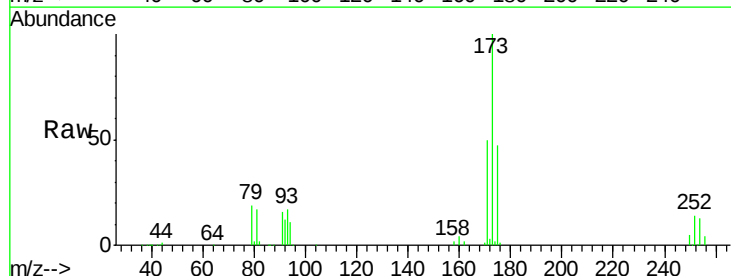
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

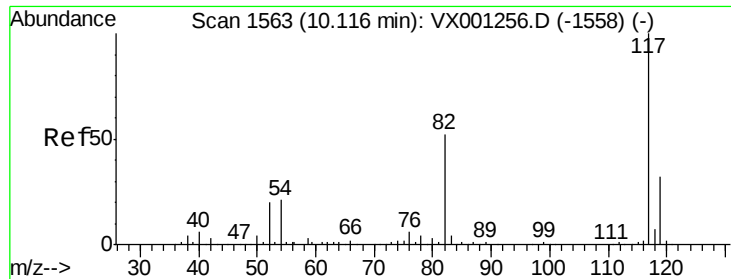
Tot Ion: 63 Resp: 150471
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.8 38.8
 106 29.4 23.8 35.6



#56
 Bromoform
 Concen: 18.833 ug/l
 RT: 10.87 min Scan# 1686
 Delta R.T. 0.01 min
 Lab File: VX001390.D
 Acq: 04 May 2018 11:13

Tgt Ion: 173 Resp: 35396
 Ion Ratio Lower Upper
 173 100
 175 48.0 39.0 58.4
 254 13.5 7.0 10.4#

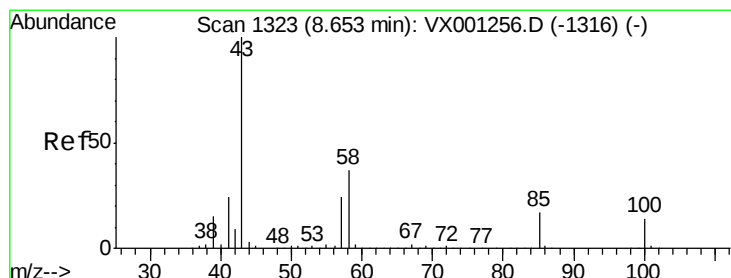
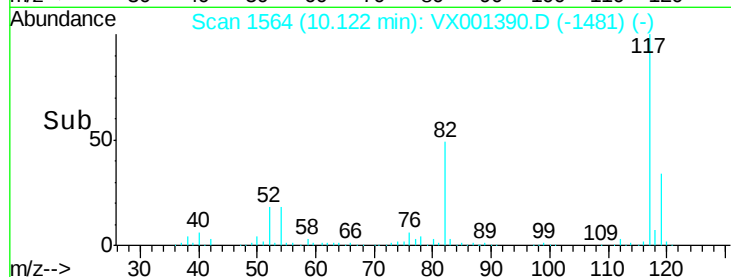
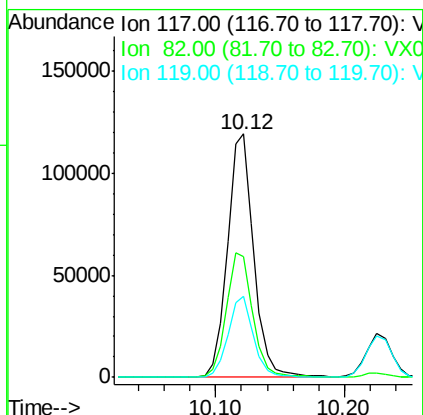
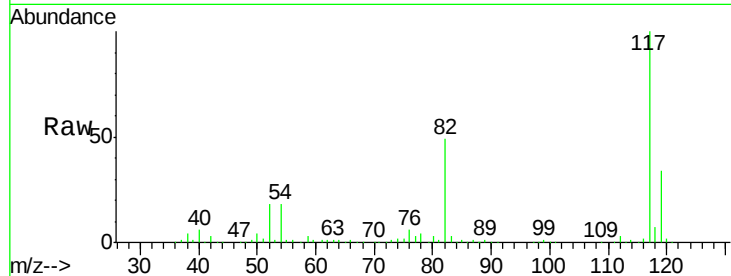




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001390.D
Acq: 04 May 2018 11:13

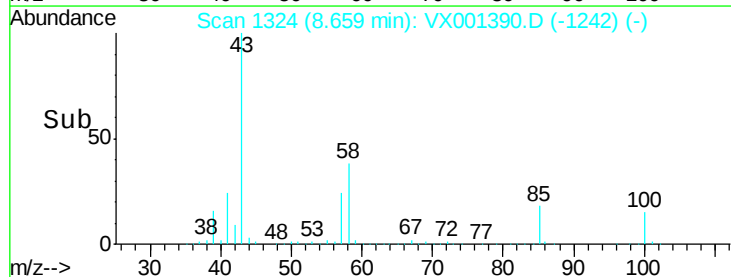
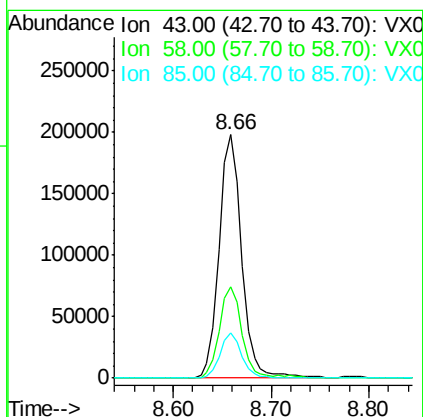
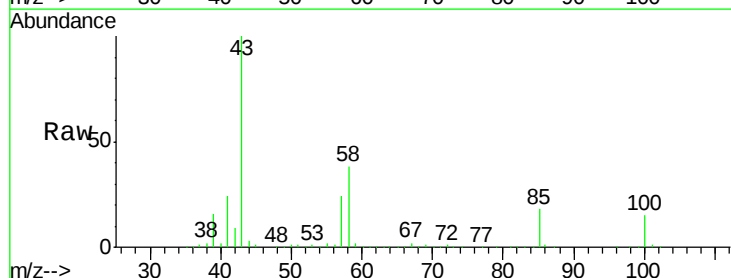
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

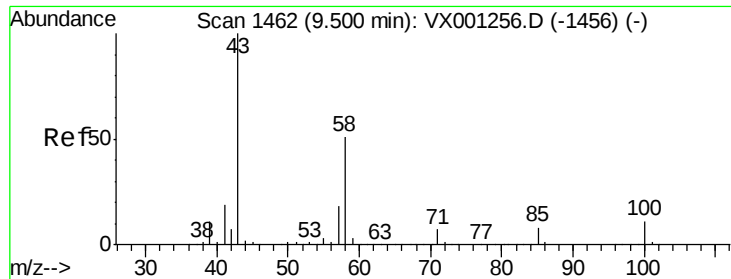
Tot Ion:117 Resp: 170636
Ion Ratio Lower Upper
117 100
82 51.4 43.0 64.4
119 32.3 25.8 38.8



#58
4-Methyl-2-Pentanone
Concen: 112.625 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VX001390.D
Acq: 04 May 2018 11:13

Tgt Ion: 43 Resp: 318964
Ion Ratio Lower Upper
43 100
58 37.0 29.8 44.8
85 17.9 14.9 22.3

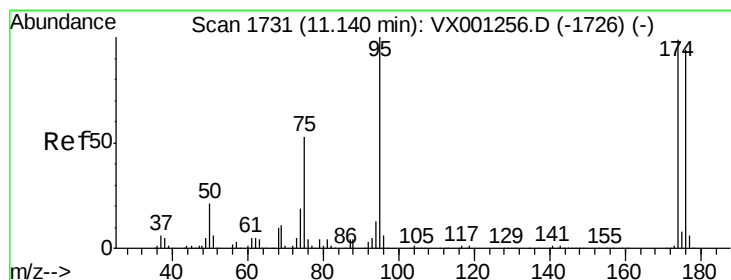
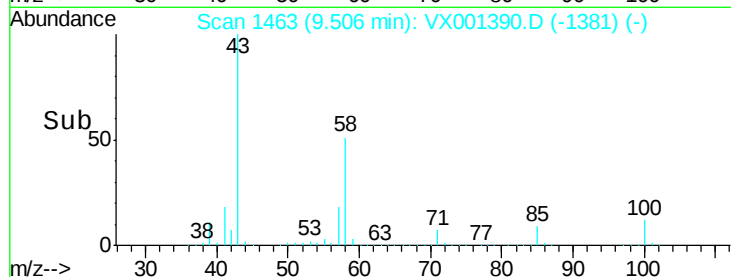
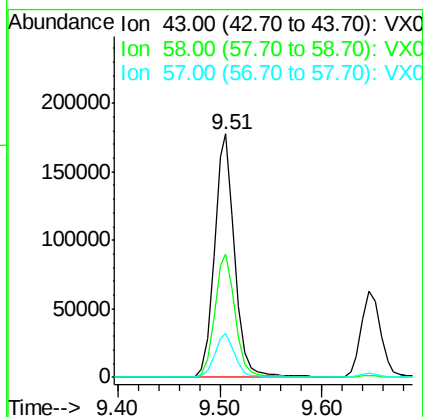
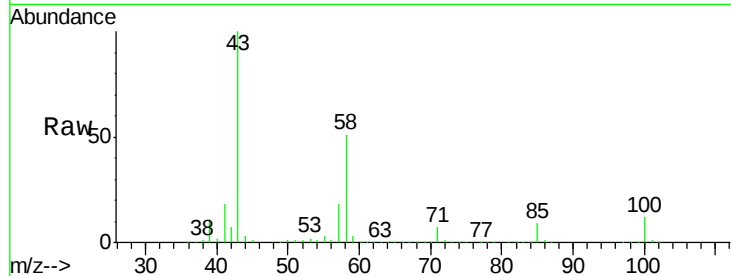




#59
2-Hexanone
Concen: 111.813 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX001390.D
Acq: 04 May 2018 11:13

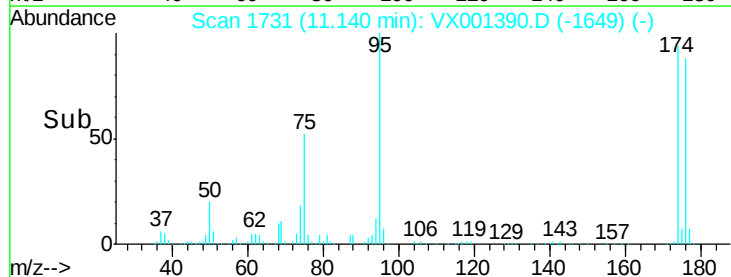
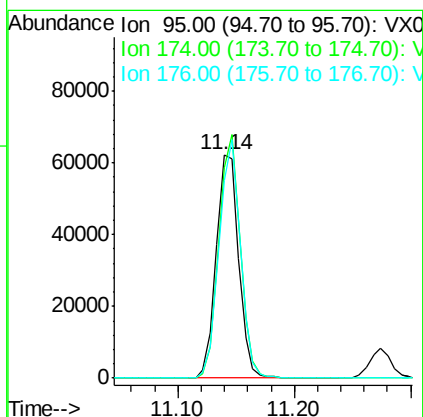
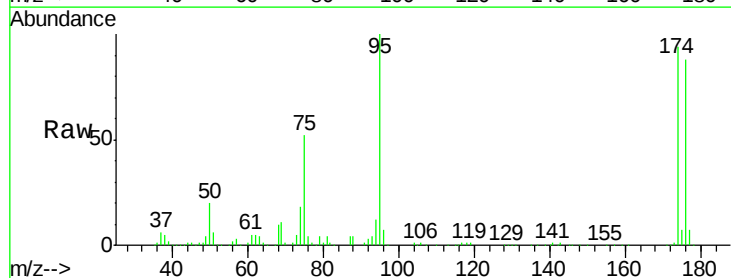
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

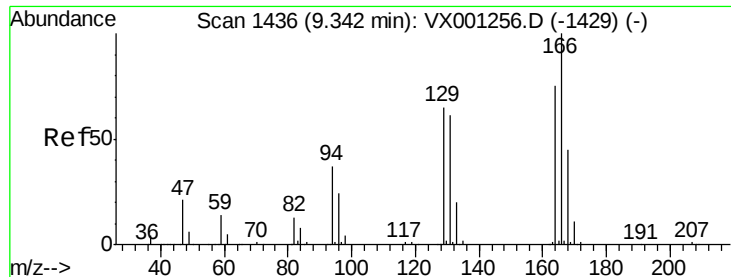
Tot Ion: 43 Resp: 246724
Ion Ratio Lower Upper
43 100
58 51.6 43.0 64.6
57 18.3 14.4 21.6



#60
4-Bromofluorobenzene
Concen: 28.851 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001390.D
Acq: 04 May 2018 11:13

Tgt Ion: 95 Resp: 82478
Ion Ratio Lower Upper
95 100
174 104.2 71.1 106.7
176 101.5 69.3 103.9





#61

Tetrachloroethene

Concen: 23.689 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX001390.D

Acq: 04 May 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:164 Resp: 61944

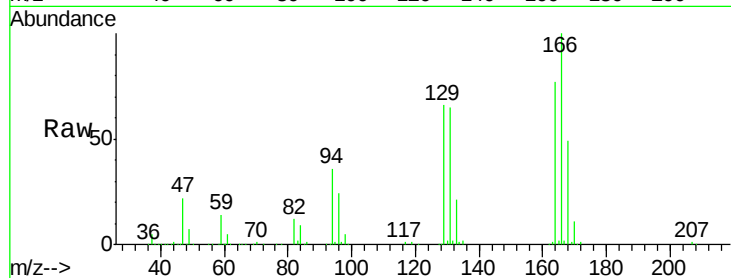
Ion Ratio Lower Upper

164 100

166 129.5 99.0 148.4

129 85.4 77.0 115.6

131 84.0 75.8 113.6

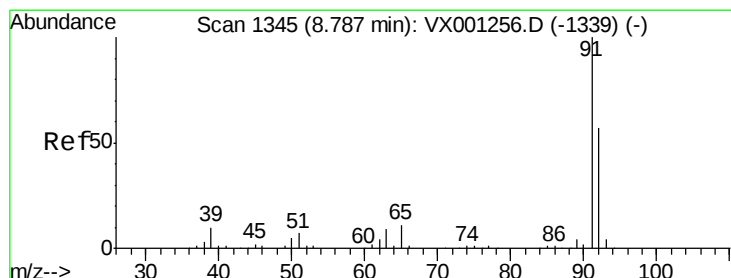
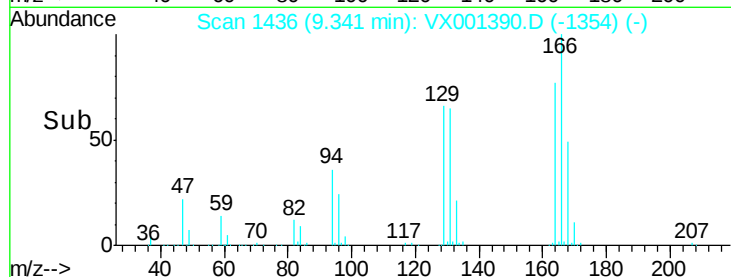
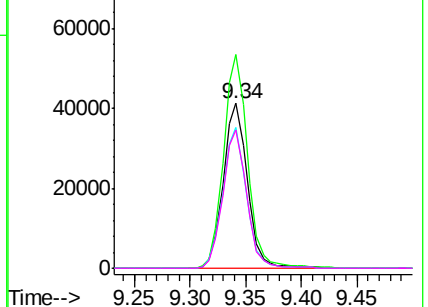


Abundance Ion 163.85 (163.55 to 164.55): V

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: 19.641 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX001390.D

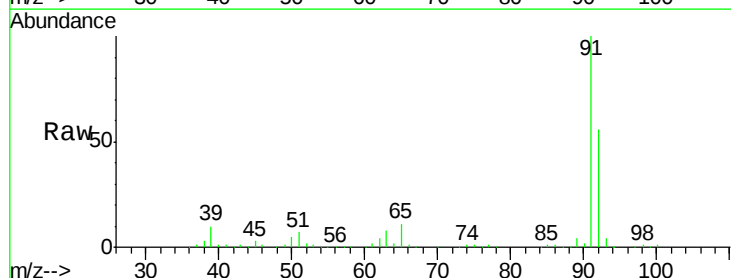
Acq: 04 May 2018 11:13

Tgt Ion: 91 Resp: 180121

Ion Ratio Lower Upper

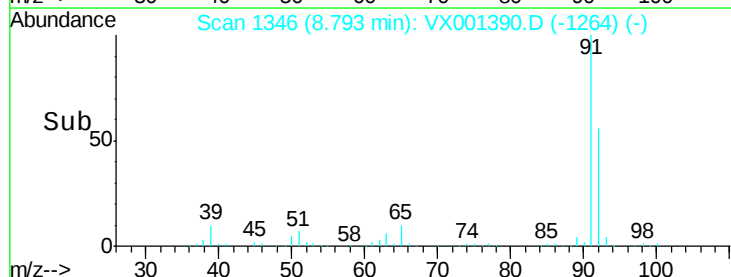
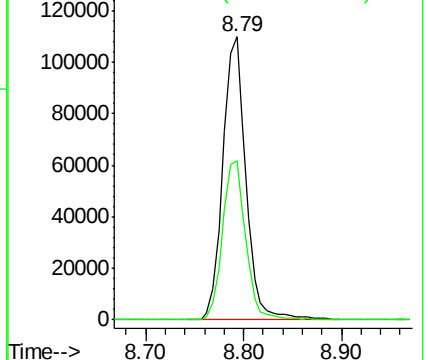
91 100

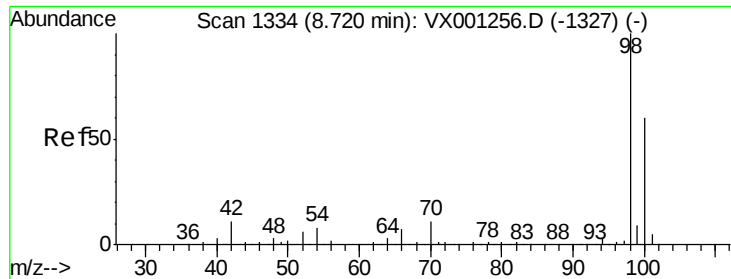
92 56.5 45.4 68.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

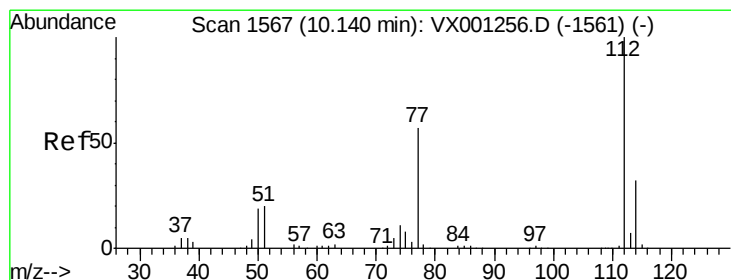
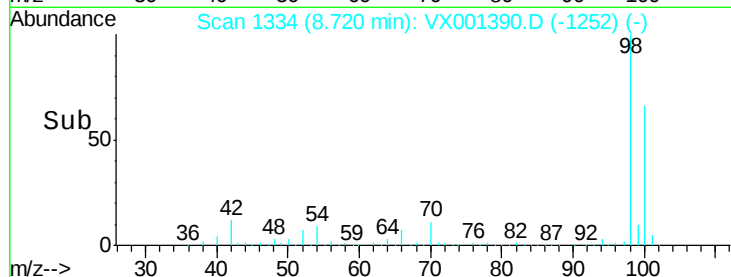
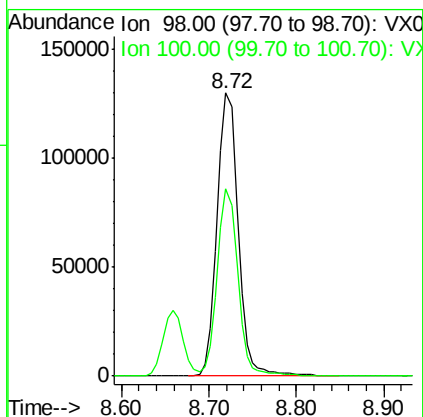
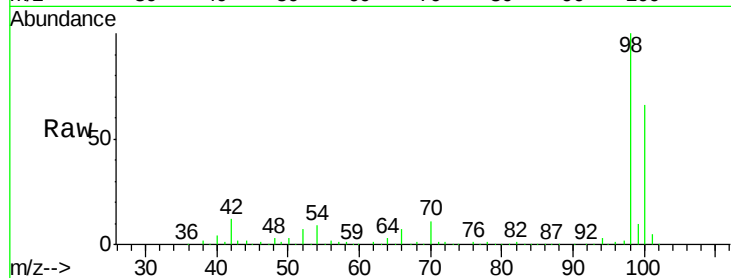




#63
Toluene-d8
Concen: 29.929 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001390.D
Acq: 04 May 2018 11:13

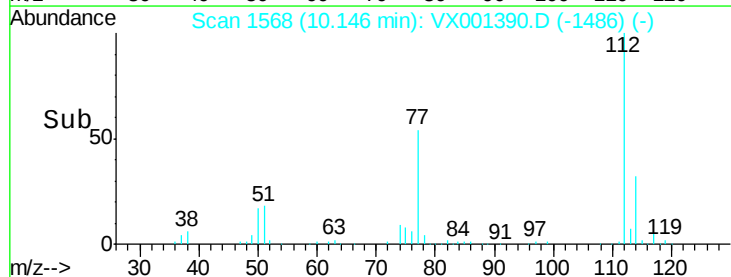
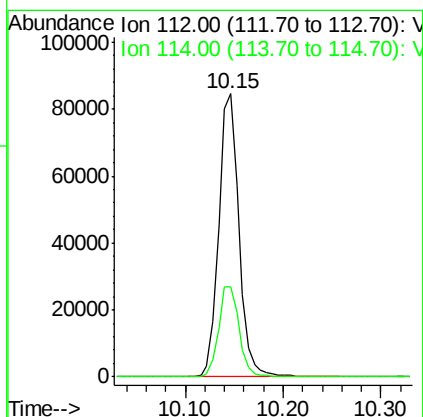
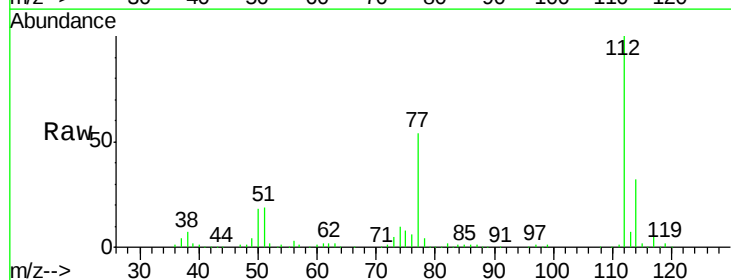
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

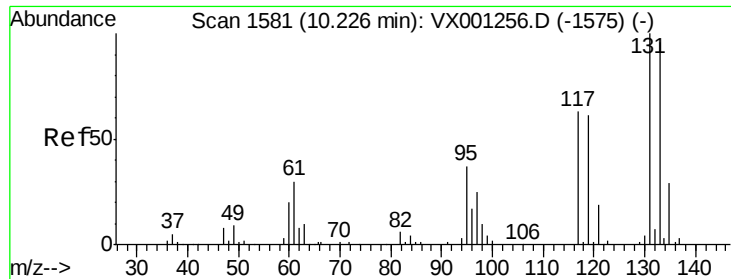
Tot Ion: 98 Resp: 219006
Ion Ratio Lower Upper
98 100
100 65.3 50.0 75.0



#64
Chlorobenzene
Concen: 19.683 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX001390.D
Acq: 04 May 2018 11:13

Tgt Ion: 112 Resp: 121780
Ion Ratio Lower Upper
112 100
114 31.9 26.4 39.6





#65

1,1,1,2-Tetrachloroethane

Concen: 19.638 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX001390.D

Acq: 04 May 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

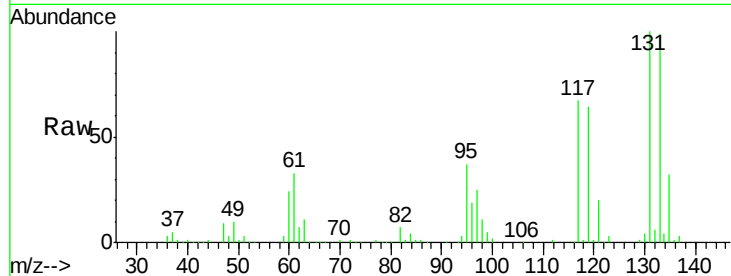
Tot Ion:131 Resp: 44364

Ion Ratio Lower Upper

131 100

133 97.0 0.0 187.6

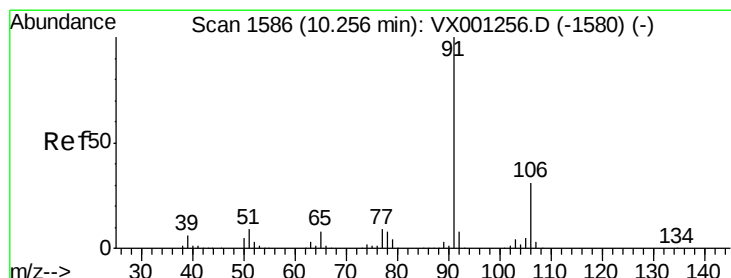
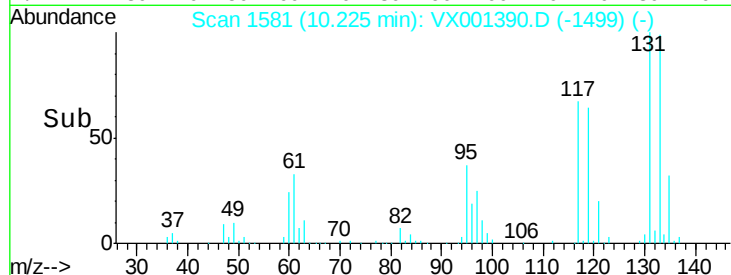
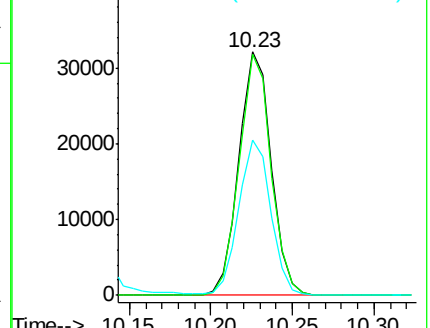
119 63.3 0.0 134.0



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: 19.313 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX001390.D

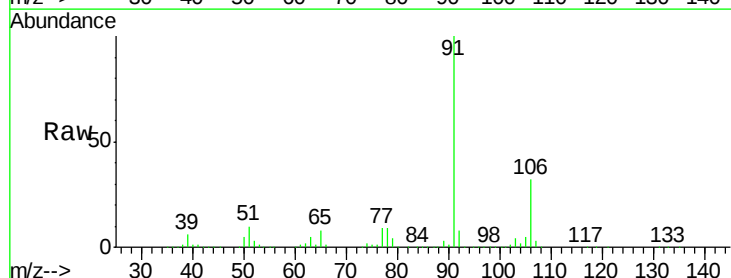
Acq: 04 May 2018 11:13

Tgt Ion: 91 Resp: 197706

Ion Ratio Lower Upper

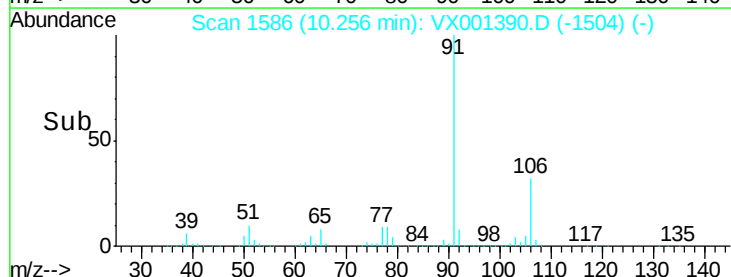
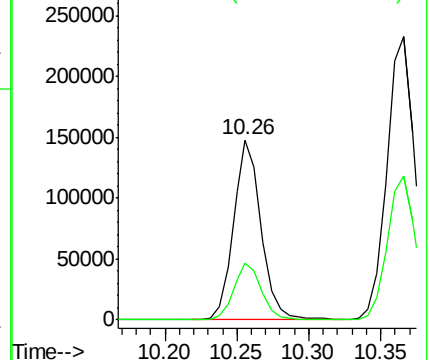
91 100

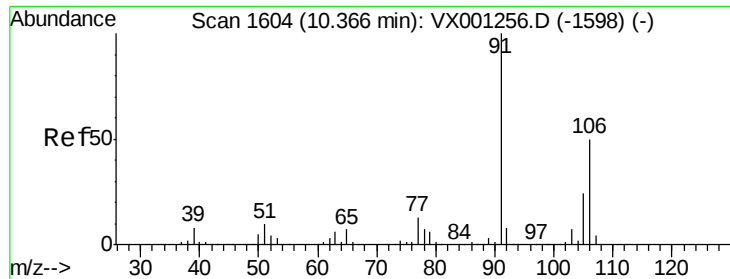
106 31.7 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

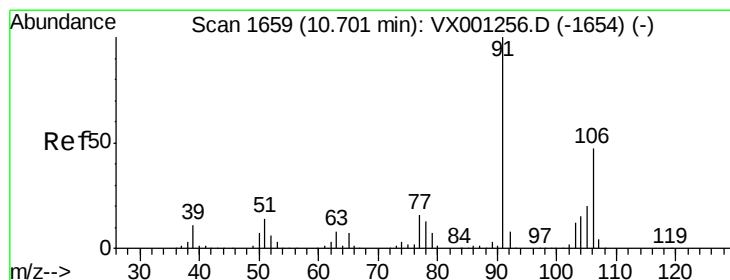
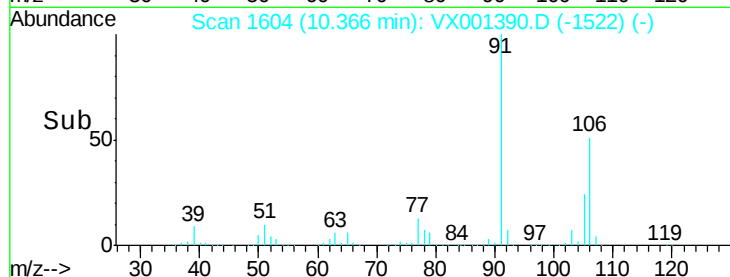
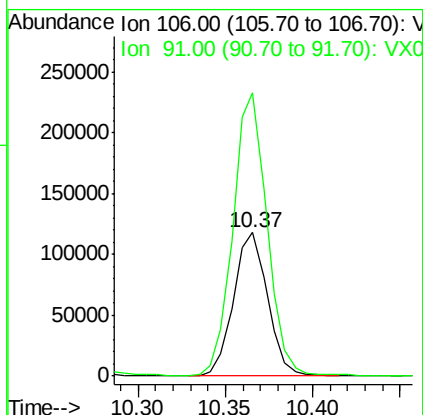
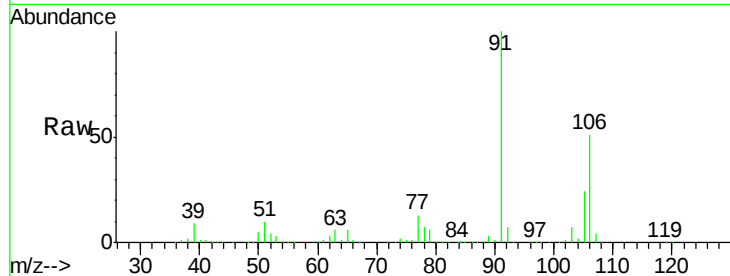




#67
m/p-Xylenes
Concen: 39.079 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX001390.D
Acq: 04 May 2018 11:13

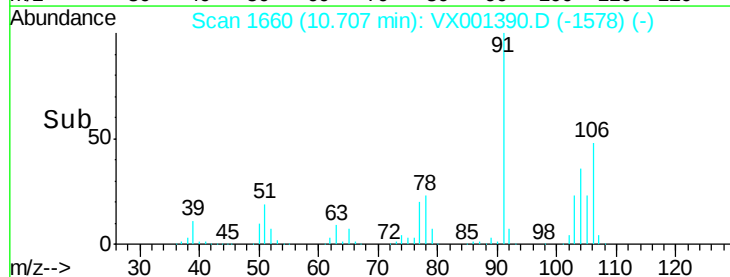
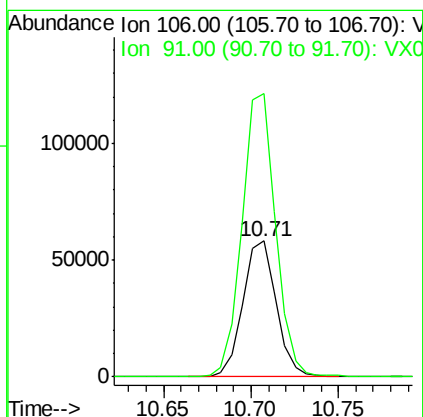
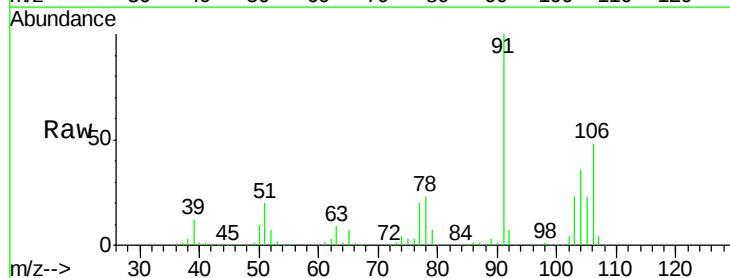
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

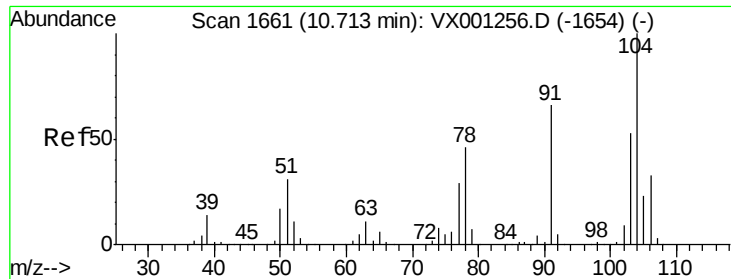
Tot Ion:106 Resp: 158898
Ion Ratio Lower Upper
106 100
91 199.0 161.6 242.4



#68
o-Xylene
Concen: 19.639 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX001390.D
Acq: 04 May 2018 11:13

Tgt Ion:106 Resp: 77184
Ion Ratio Lower Upper
106 100
91 210.6 105.6 316.8

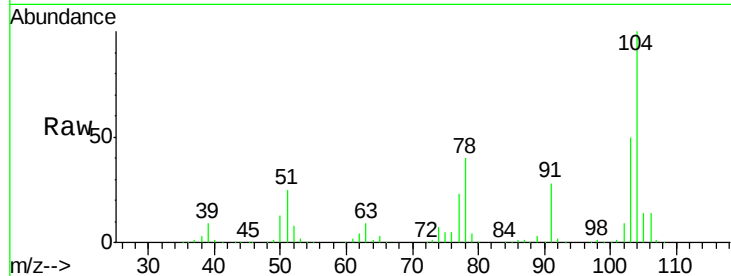




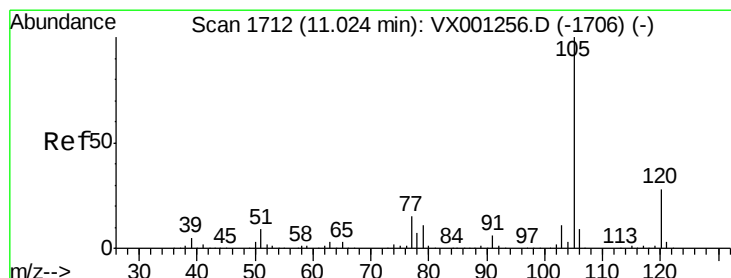
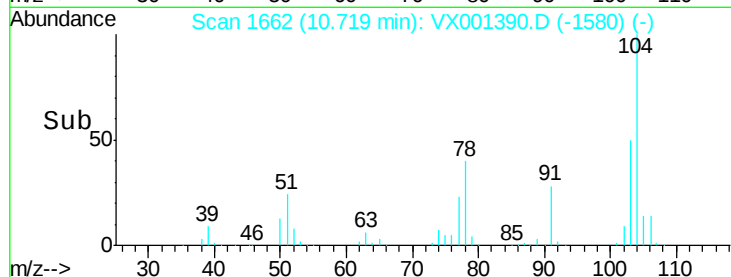
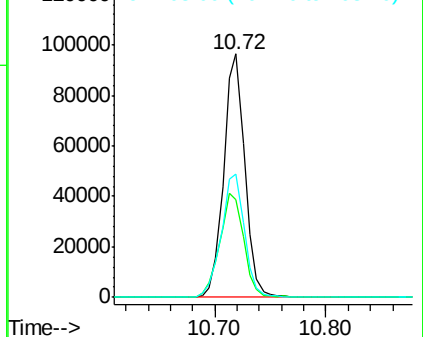
#69
Stvrene
Concen: 19.434 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001390.D
Acq: 04 May 2018 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion:104 Resp: 127124
Ion Ratio Lower Upper
104 100
78 48.2 39.0 58.4
103 55.3 44.7 67.1

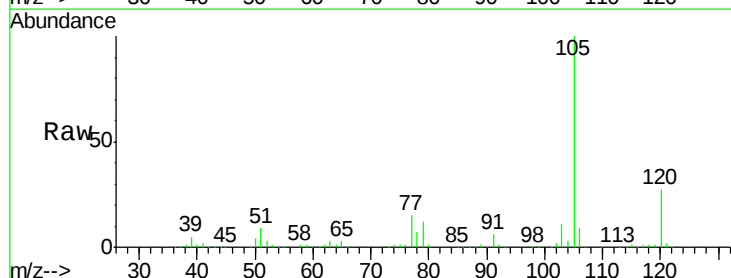


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

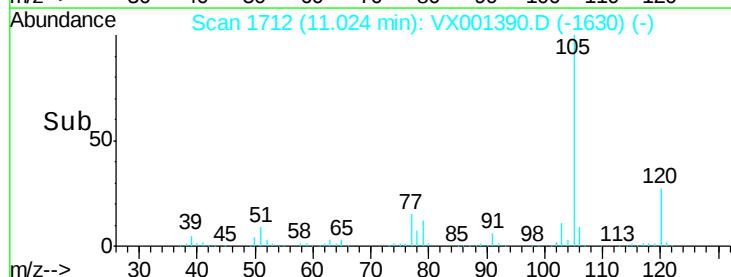
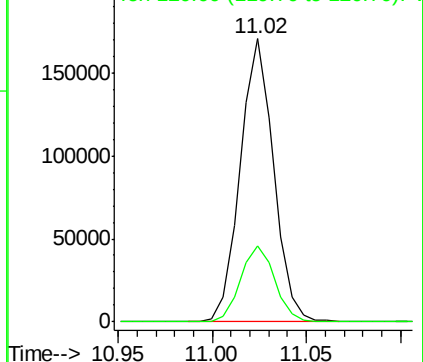


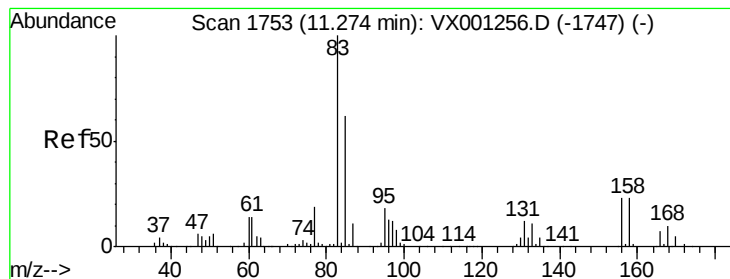
#70
Isopropylbenzene
Concen: 19.663 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VX001390.D
Acq: 04 May 2018 11:13

Tgt Ion:105 Resp: 209856
Ion Ratio Lower Upper
105 100
120 27.5 18.8 35.0



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





#71

1,1,2,2-Tetrachloroethane

Concen: 19.968 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX001390.D

Acq: 04 May 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

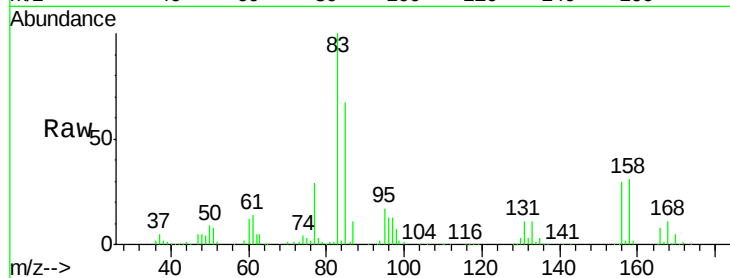
Tot Ion: 83 Resp: 62507

Ion Ratio Lower Upper

83 100

131 11.6 5.3 16.1

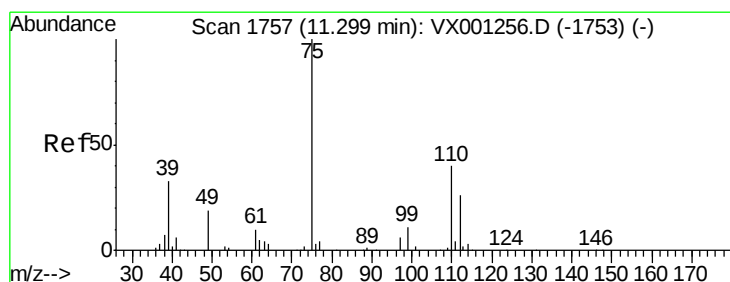
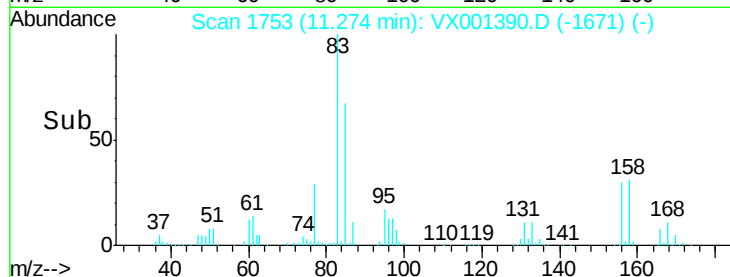
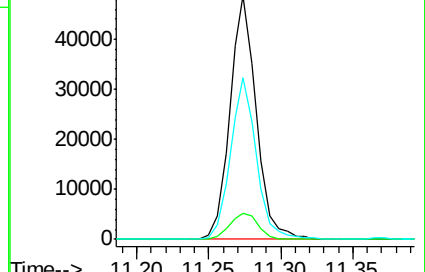
85 65.8 32.5 97.5



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#72

1,2,3-Trichloropropane

Concen: 25.522 ug/l

RT: 11.30 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VX001390.D

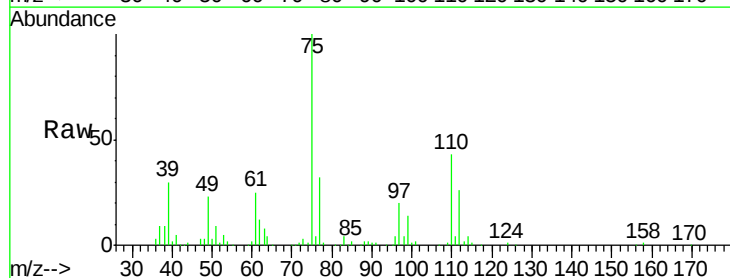
Acq: 04 May 2018 11:13

Tgt Ion: 75 Resp: 71500

Ion Ratio Lower Upper

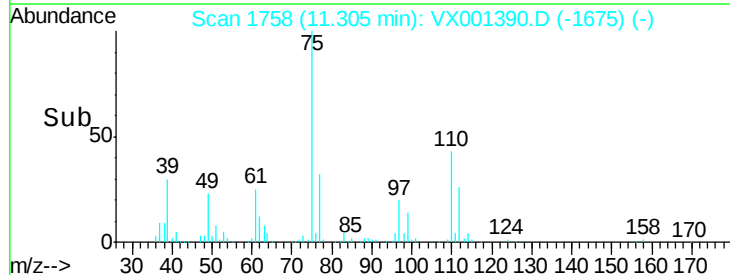
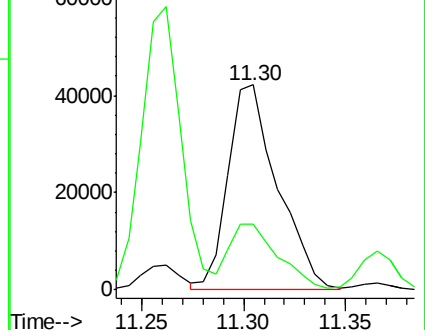
75 100

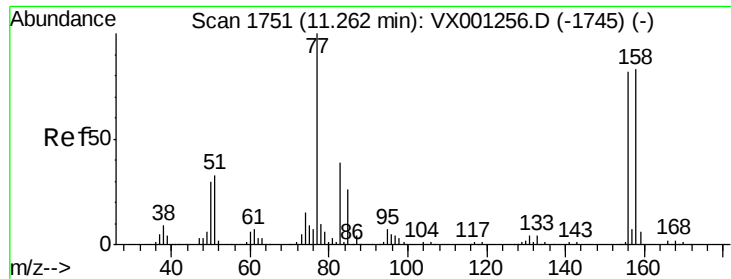
77 31.7 0.0 85.8



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#73

Bromobenzene

Concen: 19.558 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001390.D

Acq: 04 May 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

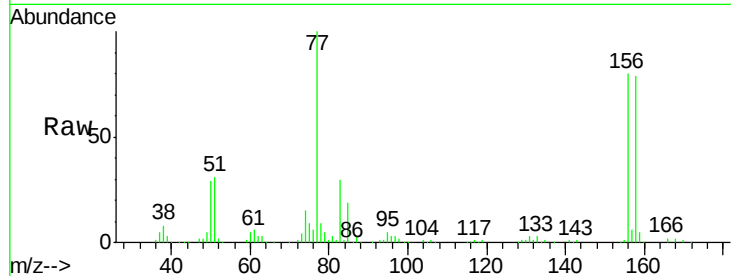
Tot Ion:156 Resp: 60660

Ion Ratio Lower Upper

156 100

77 129.2 0.0 280.2

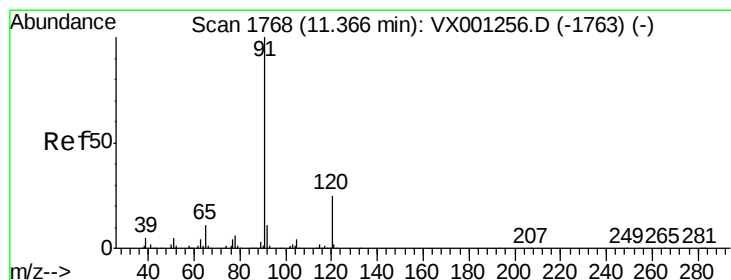
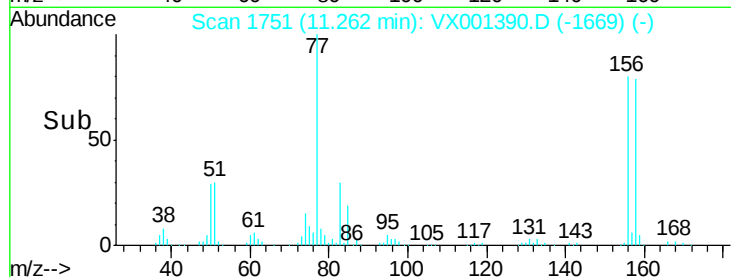
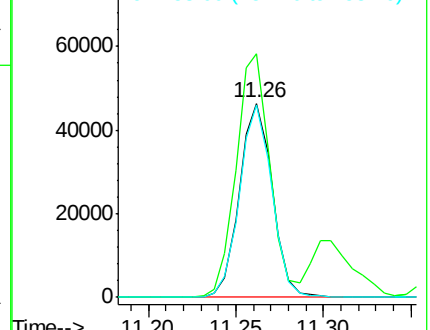
158 98.0 0.0 197.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.934 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX001390.D

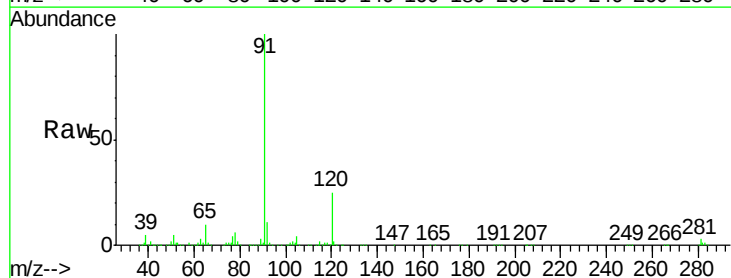
Acq: 04 May 2018 11:13

Tgt Ion: 91 Resp: 240287

Ion Ratio Lower Upper

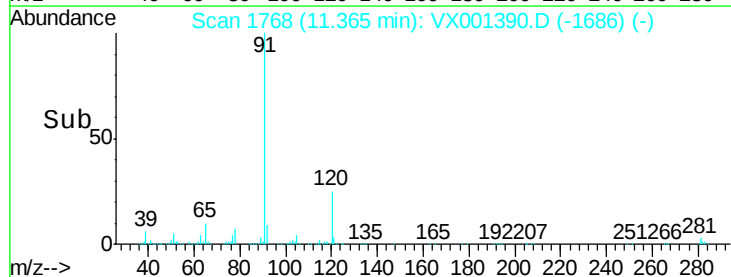
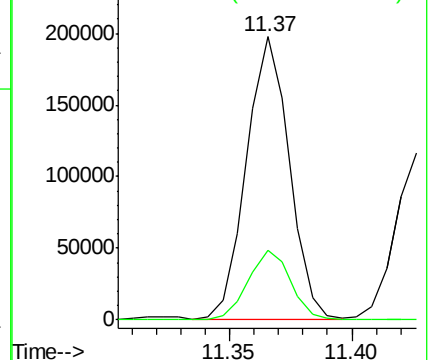
91 100

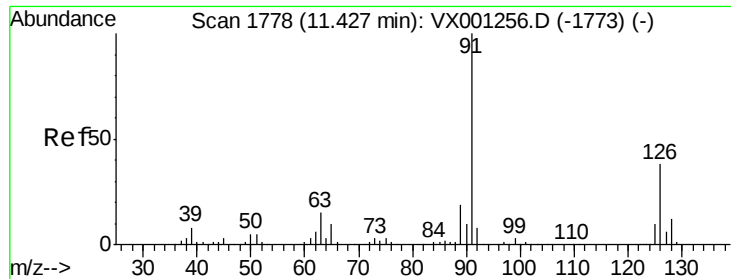
120 24.6 0.0 47.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.252 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX001390.D

Acq: 04 May 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

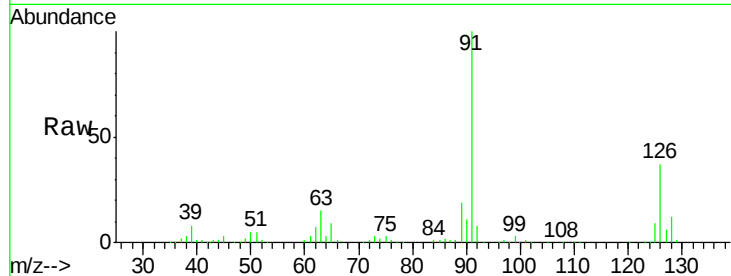
VSTDCCC020

Tot Ion: 91 Resp: 140064

Ion Ratio Lower Upper

91 100

126 37.2 0.0 71.4



Abundance Ion 91.00 (90.70 to 91.70): VX001256.D (-1773) (-)

Ion 126.00 (125.70 to 126.70): VX001256.D (-1773) (-)

200000

150000

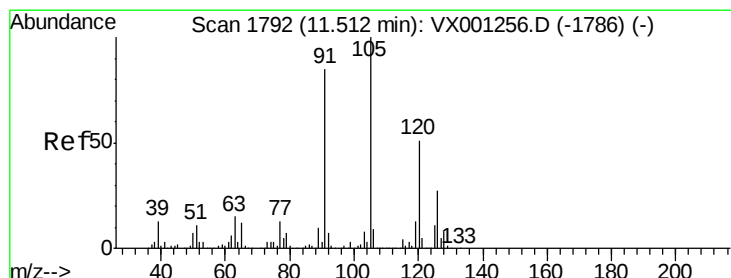
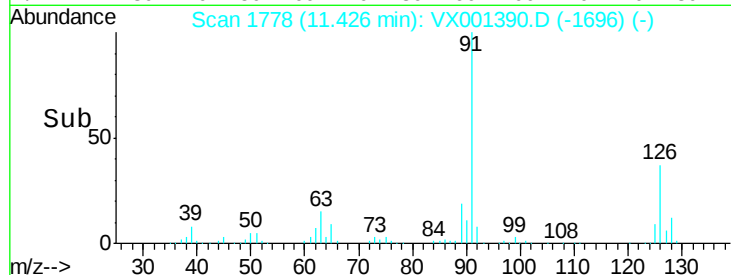
100000

50000

0

11.40 11.45

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.030 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001390.D

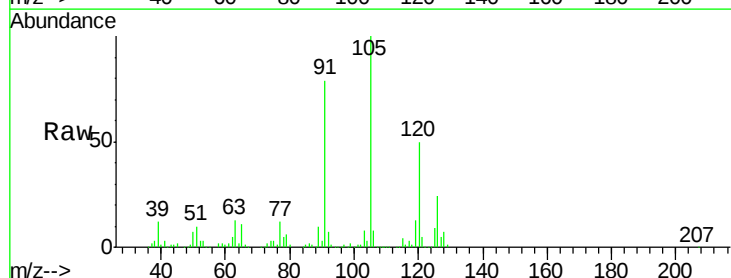
Acq: 04 May 2018 11:13

Tgt Ion:105 Resp: 182145

Ion Ratio Lower Upper

105 100

120 49.6 0.0 63.8



Abundance Ion 105.00 (104.70 to 105.70): VX001256.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX001256.D (-1786) (-)

150000

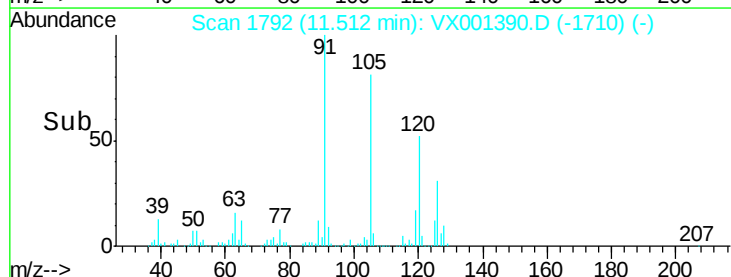
100000

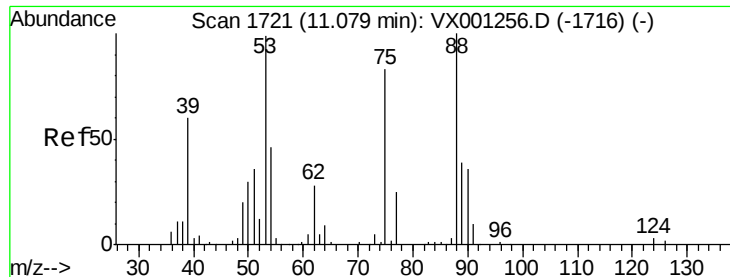
50000

0

11.45 11.55

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 17.298 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX001390.D

Acq: 04 May 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

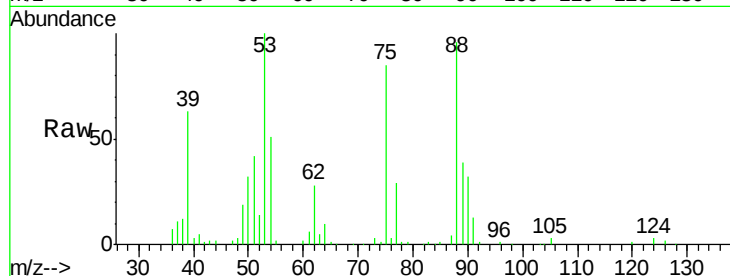
Tot Ion: 75 Resp: 14418

Ion Ratio Lower Upper

75 100

53 118.1 47.8 143.3

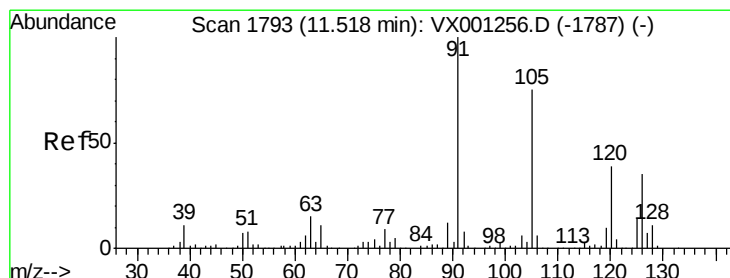
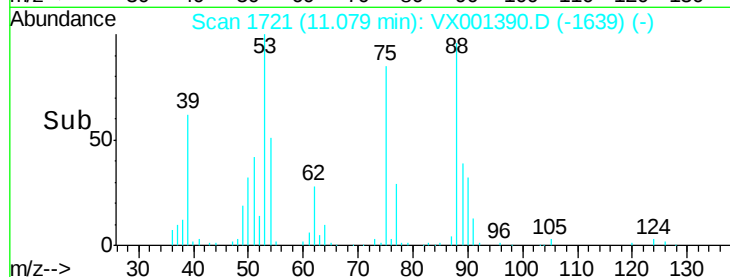
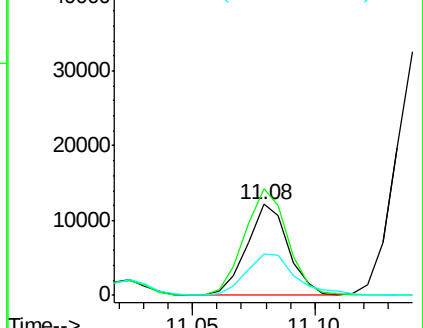
89 46.3 22.3 66.8



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: 18.741 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VX001390.D

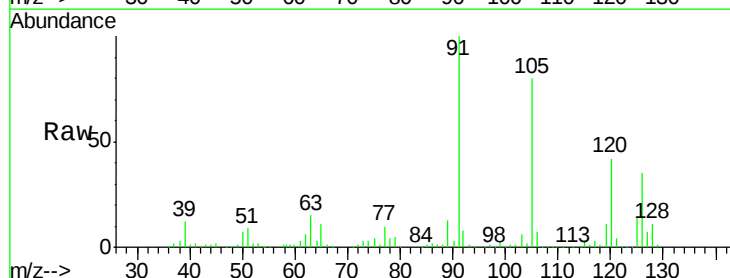
Acq: 04 May 2018 11:13

Tgt Ion: 91 Resp: 162622

Ion Ratio Lower Upper

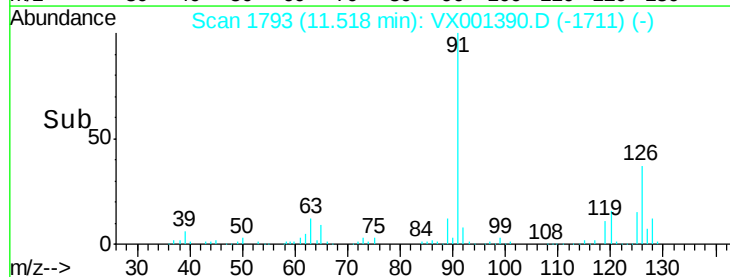
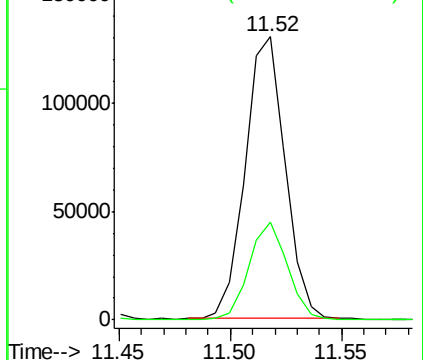
91 100

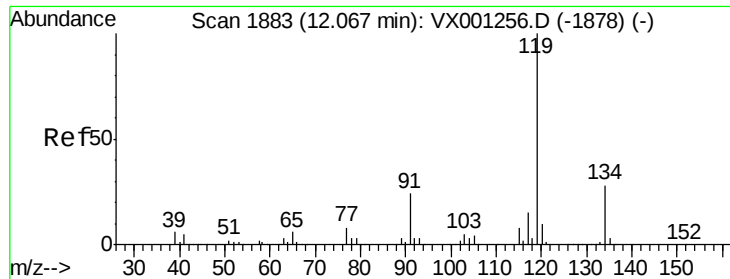
126 33.6 0.0 63.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 20.855 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VX001390.D

Acq: 04 May 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

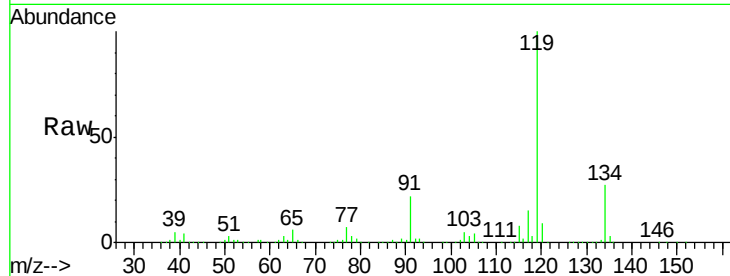
Tot Ion:119 Resp: 202934

Ion Ratio Lower Upper

119 100

91 22.6 0.0 51.6

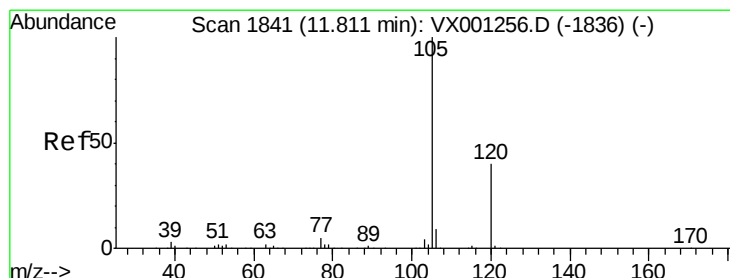
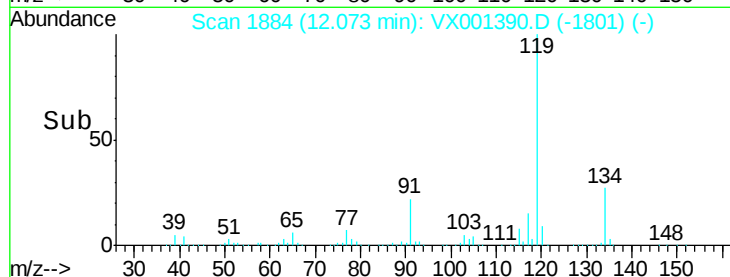
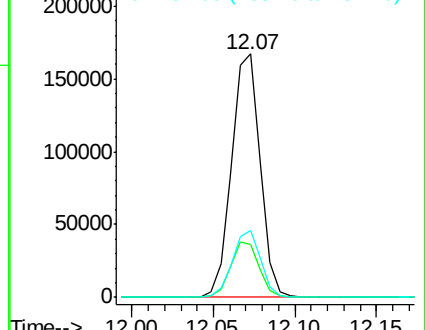
134 27.0 0.0 60.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 20.255 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX001390.D

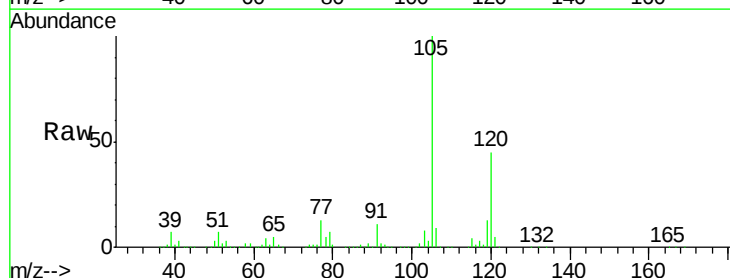
Acq: 04 May 2018 11:13

Tgt Ion:105 Resp: 187460

Ion Ratio Lower Upper

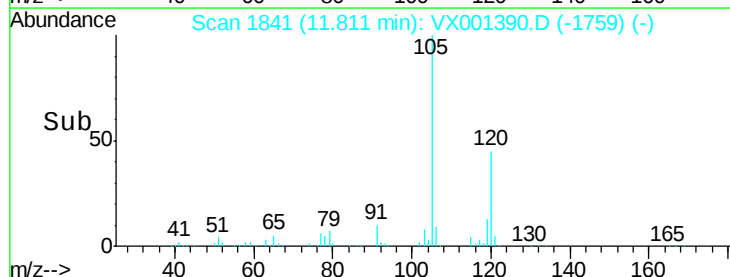
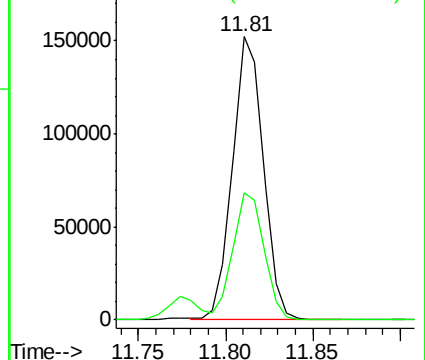
105 100

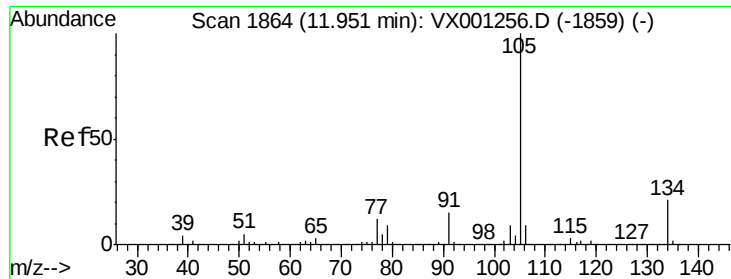
120 45.3 0.0 93.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

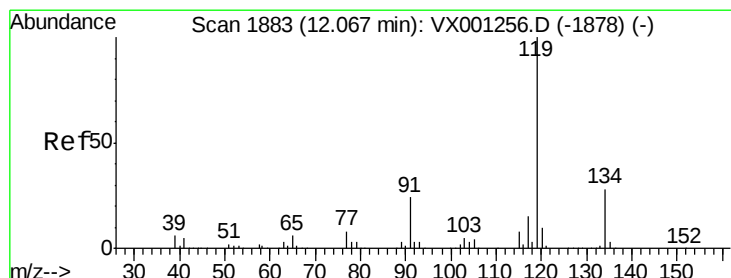
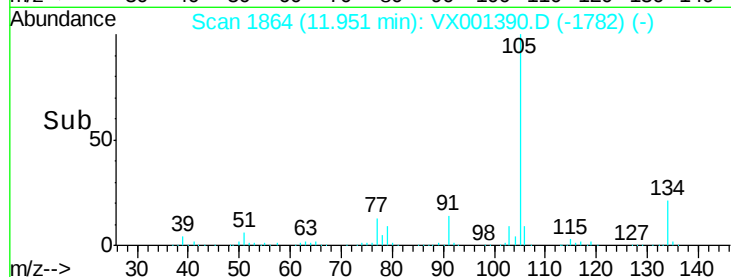
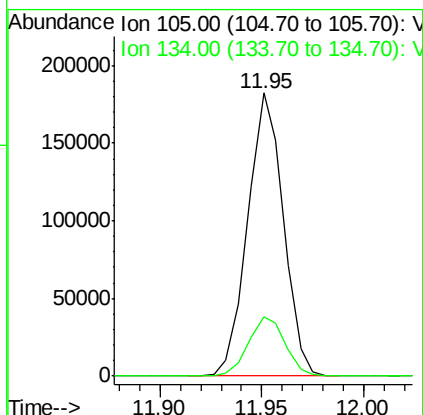
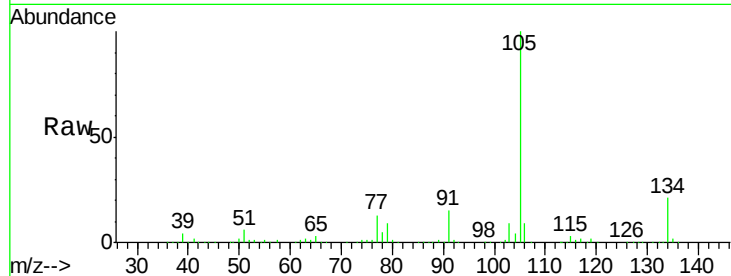




#81
 sec-Butylbenzene
 Concen: 21.090 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX001390.D
 Acq: 04 May 2018 11:13

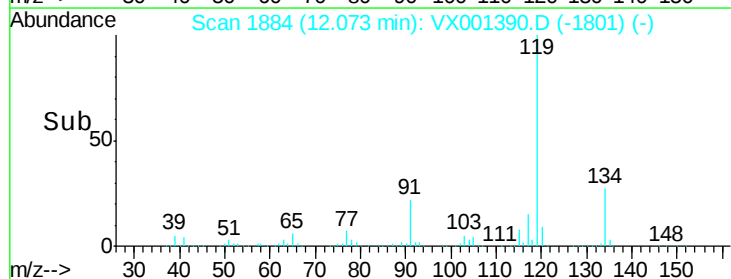
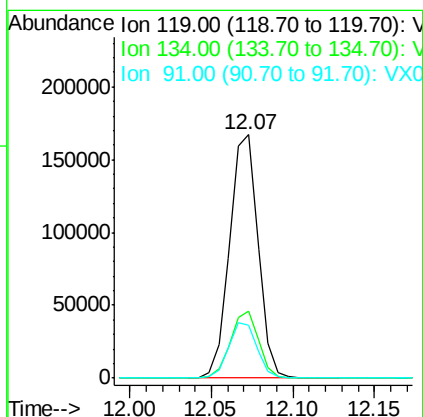
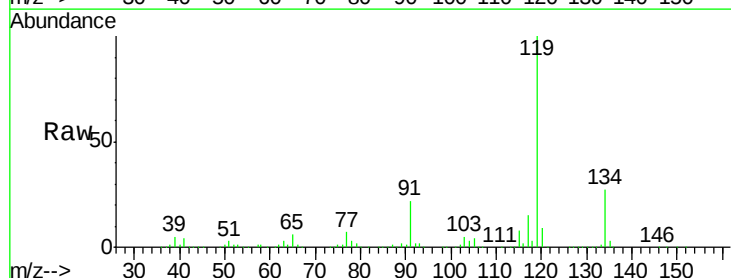
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

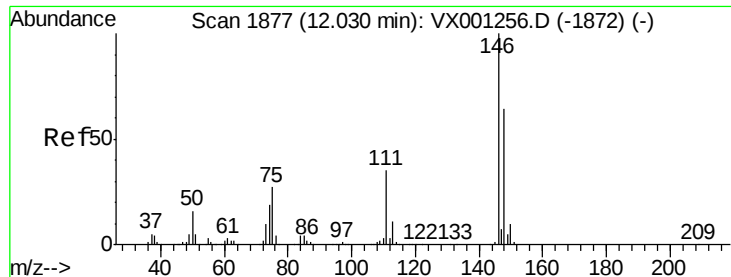
Tot Ion:105 Resp: 222687
 Ion Ratio Lower Upper
 105 100
 134 21.5 0.0 41.8



#82
 p-Isopropyltoluene
 Concen: 20.855 ug/l
 RT: 12.07 min Scan# 1884
 Delta R.T. 0.01 min
 Lab File: VX001390.D
 Acq: 04 May 2018 11:13

Tgt Ion:119 Resp: 202934
 Ion Ratio Lower Upper
 119 100
 134 27.0 0.0 54.4
 91 22.6 0.0 46.6





#83

1,3-Dichlorobenzene

Concen: 19.760 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX001390.D

Acq: 04 May 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

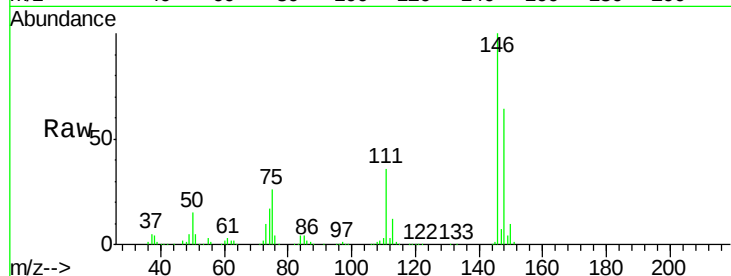
Tot Ion:146 Resp: 111745

Ion Ratio Lower Upper

146 100

111 36.2 19.4 58.2

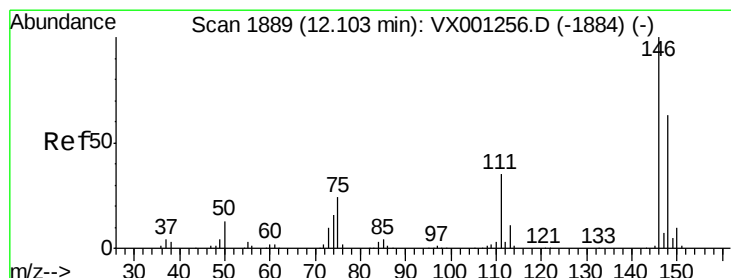
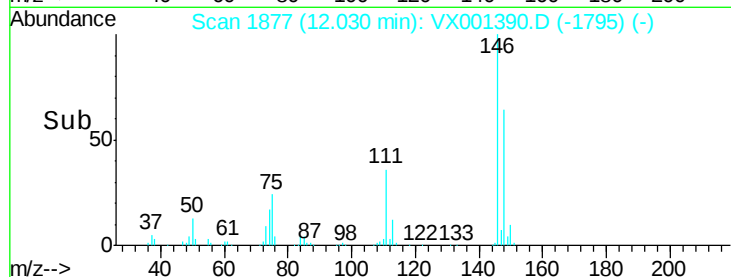
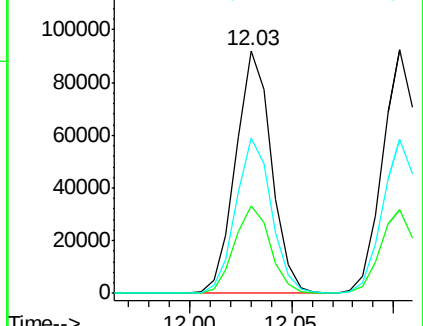
148 63.9 32.6 97.7



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



#84

1,4-Dichlorobenzene

Concen: 19.440 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX001390.D

Acq: 04 May 2018 11:13

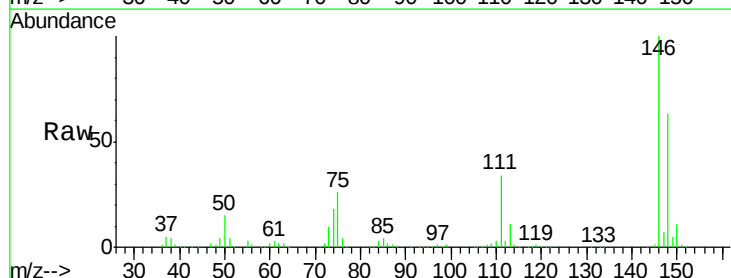
Tgt Ion:146 Resp: 112079

Ion Ratio Lower Upper

146 100

111 34.1 18.4 55.0

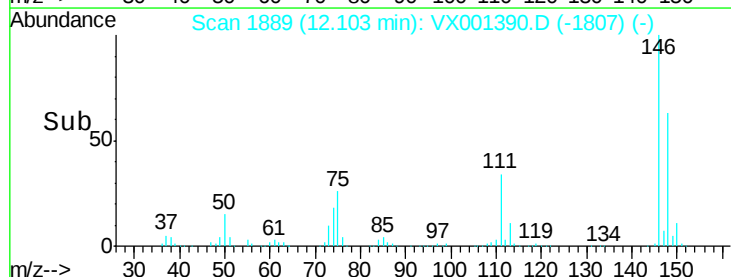
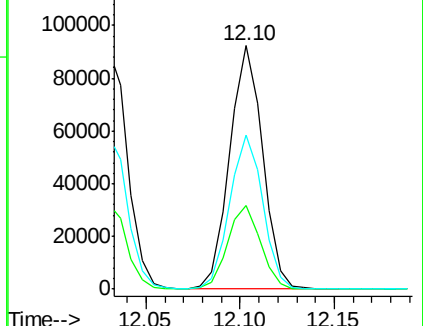
148 63.5 31.9 95.7

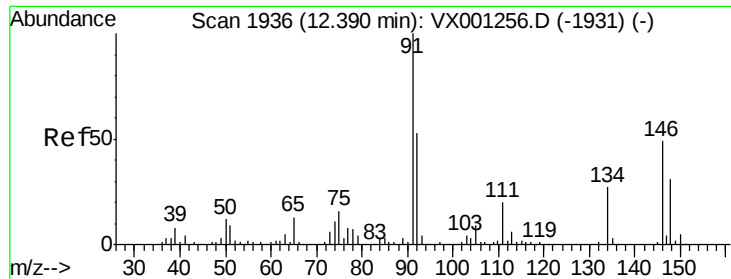


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

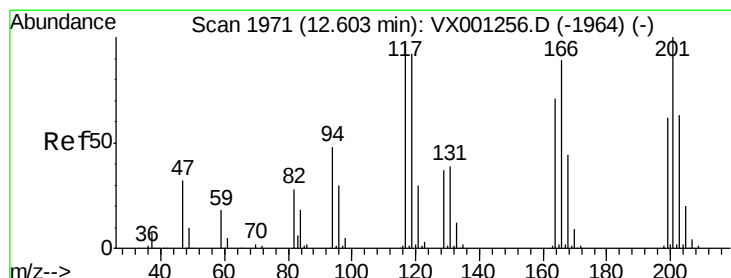
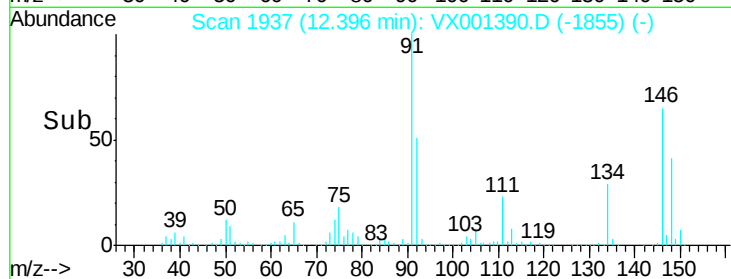
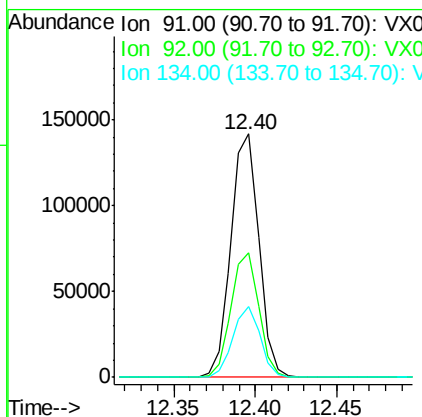
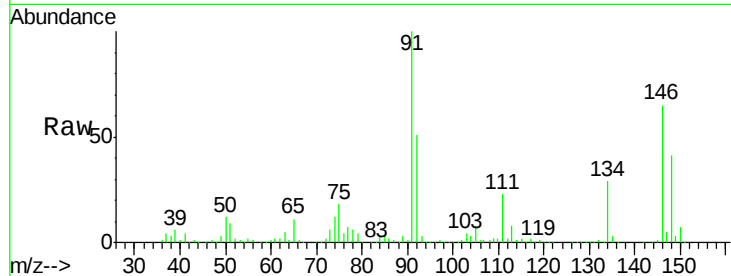




#85
n-Butylbenzene
Concen: 20.067 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX001390.D
Acq: 04 May 2018 11:13

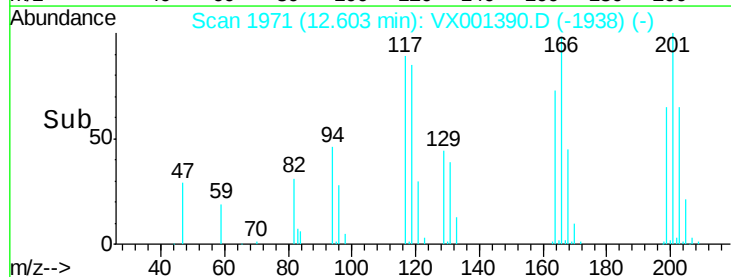
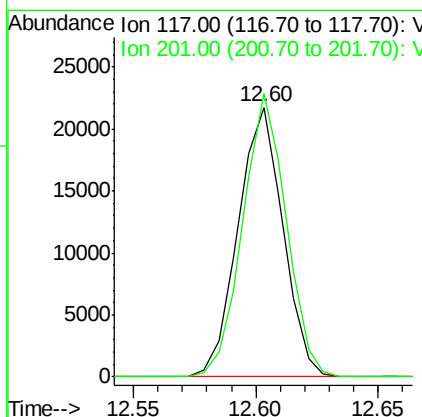
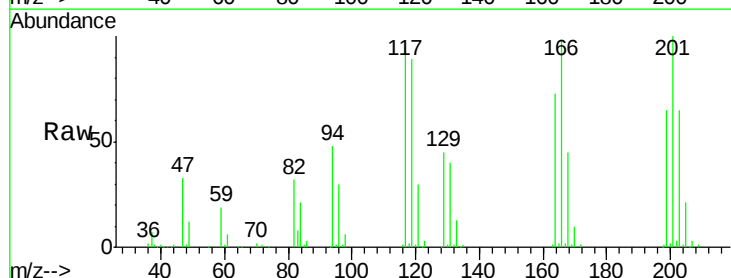
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

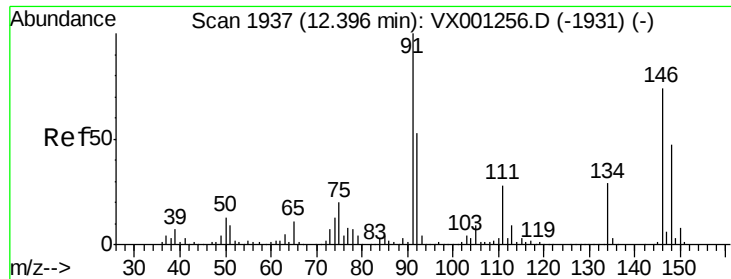
Tot Ion: 91 Resp: 168847
Ion Ratio Lower Upper
91 100
92 50.9 0.0 102.0
134 28.2 0.0 54.2



#86
Hexachloroethane
Concen: 18.622 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX001390.D
Acq: 04 May 2018 11:13

Tgt Ion: 117 Resp: 27696
Ion Ratio Lower Upper
117 100
201 101.7 38.9 116.6





#87

1,2-Dichlorobenzene

Concen: 20.038 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX001390.D

Acq: 04 May 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

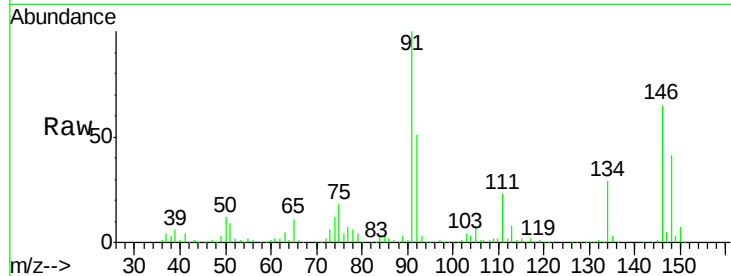
Tot Ion:146 Resp: 112678

Ion Ratio Lower Upper

146 100

111 36.9 20.0 60.0

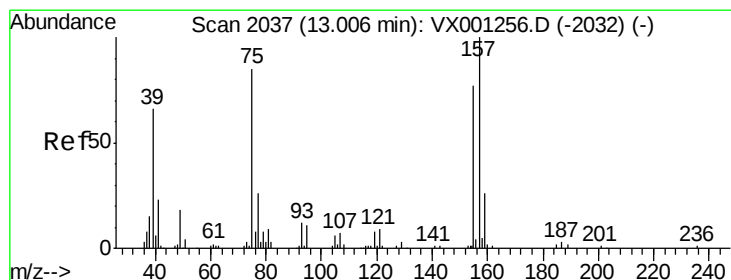
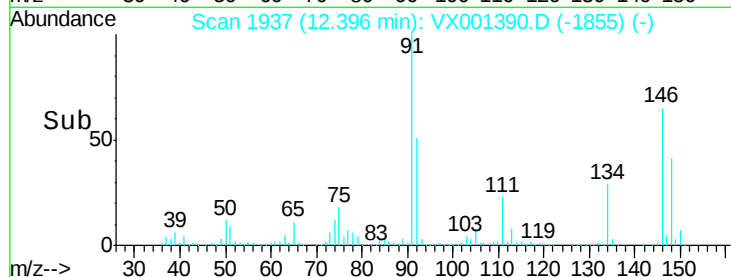
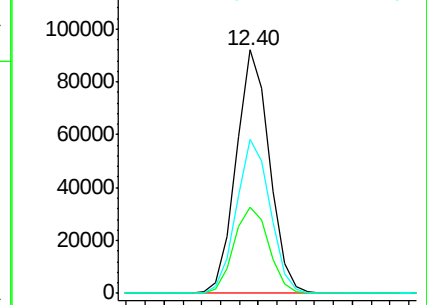
148 64.5 31.6 95.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 20.606 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VX001390.D

Acq: 04 May 2018 11:13

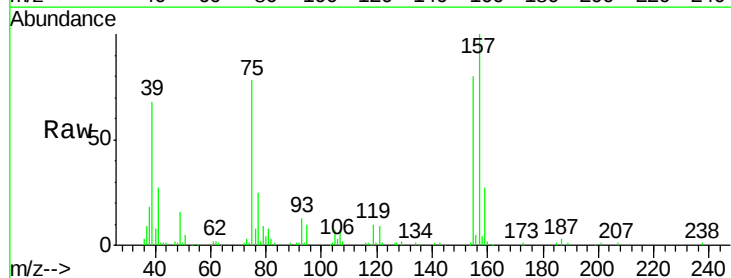
Tgt Ion: 75 Resp: 13481

Ion Ratio Lower Upper

75 100

155 104.6 75.1 112.7

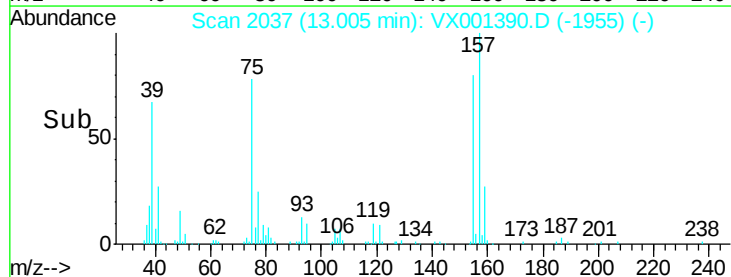
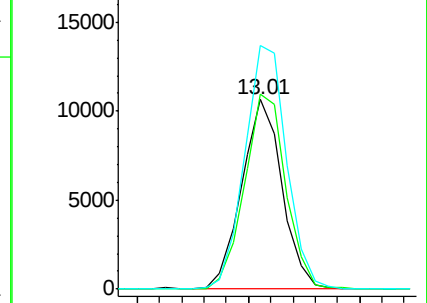
157 133.6 99.0 148.4

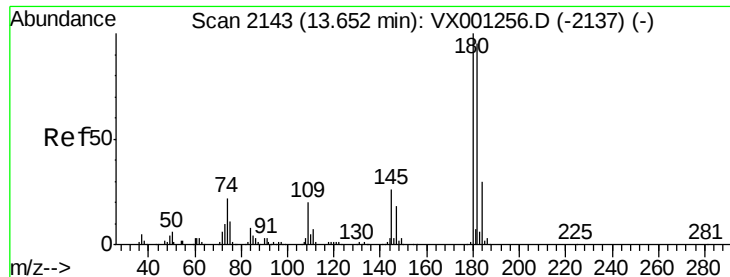


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

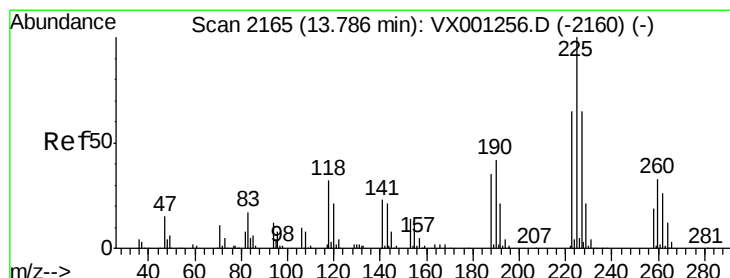
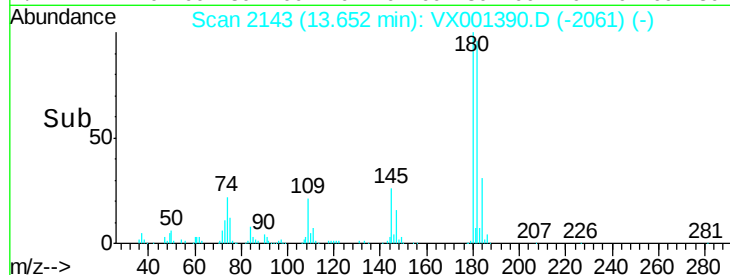
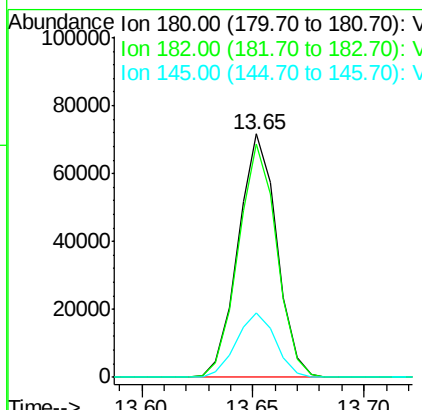
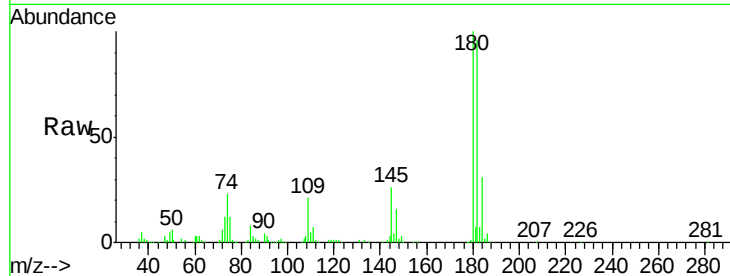




#89
 1,2,4-Trichlorobenzene
 Concen: 20.367 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001390.D
 Acq: 04 May 2018 11:13

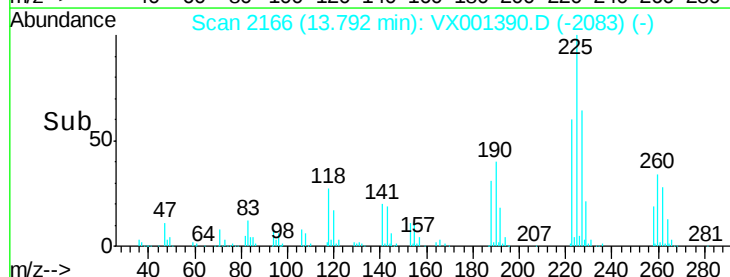
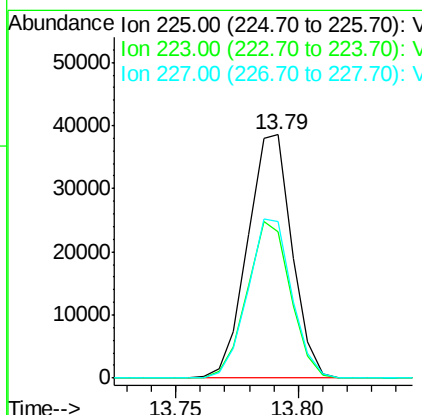
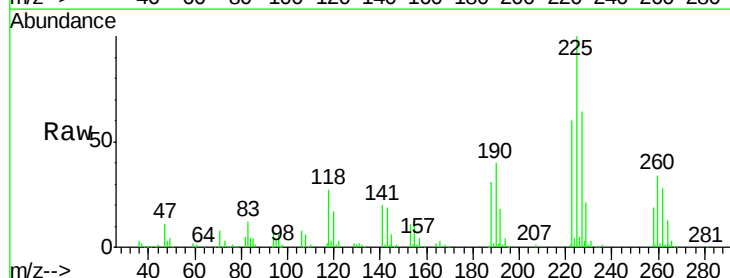
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

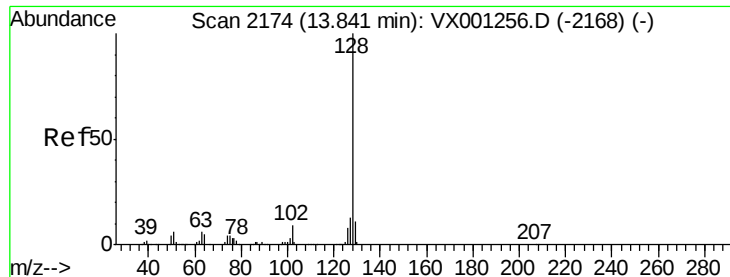
Tot Ion:180 Resp: 86780
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.3 114.5
 145 26.8 24.6 37.0



#90
 Hexachlorobutadiene
 Concen: 24.735 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. 0.01 min
 Lab File: VX001390.D
 Acq: 04 May 2018 11:13

Tgt Ion:225 Resp: 48925
 Ion Ratio Lower Upper
 225 100
 223 62.6 0.0 131.2
 227 64.9 0.0 127.6

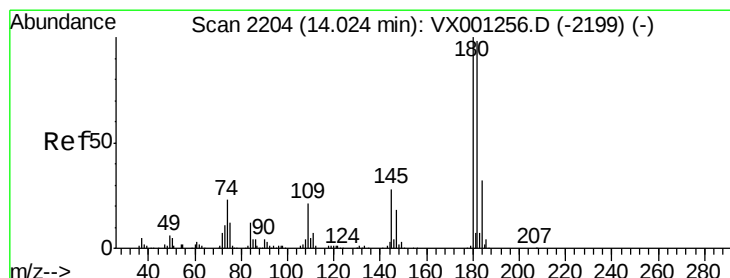
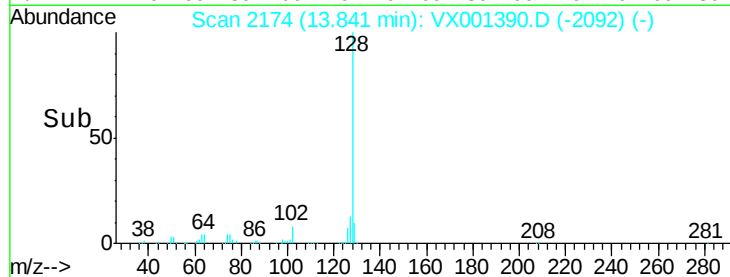
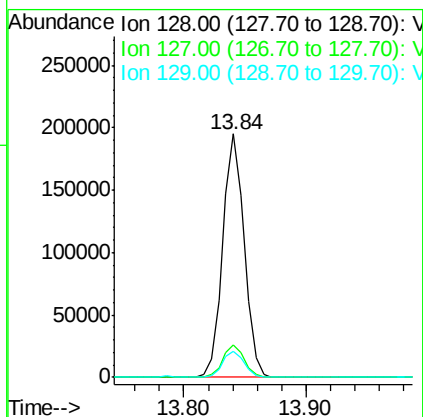
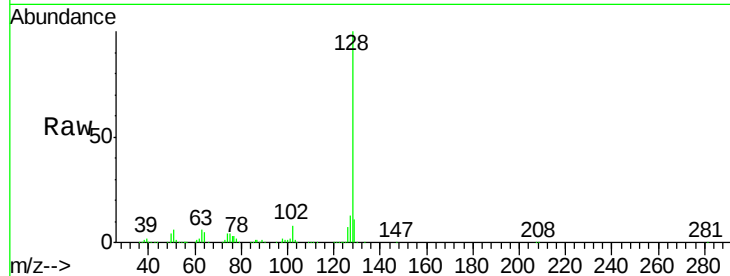




#91
Naphthalene
Concen: 21.470 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX001390.D
Acq: 04 May 2018 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion:128 Resp: 237336
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 10.9 9.0 13.6



#92
1,2,3-Trichlorobenzene
Concen: 21.317 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX001390.D
Acq: 04 May 2018 11:13

Tgt Ion:180 Resp: 89645
Ion Ratio Lower Upper
180 100
182 95.2 0.0 188.6
145 28.6 0.0 65.8

