

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX051118\
 Data File : VX001620.D
 Acq On : 10 May 2018 23:55
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Quant Time: May 11 07:00:51 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X051118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 11 06:59:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	55871	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	289307	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	269490	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	120293	29.74	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.13%
60) 4-Bromofluorobenzene	11.15	95	129140	28.77	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.90%
63) Toluene-d8	8.72	98	355374	30.44	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.47%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	146022	41.74	ug/l	100
3) Chloromethane	1.32	50	154968	46.22	ug/l	98
4) Vinyl Chloride	1.40	62	164580	46.73	ug/l	99
5) Bromomethane	1.64	94	72444	28.12	ug/l	96
6) Chloroethane	1.72	64	107337	48.70	ug/l	93
7) Trichlorofluoromethane	1.93	101	237806	41.55	ug/l	99
8) Diethyl Ether	2.19	74	99476	47.98	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	132407	40.60	ug/l	99
10) 1,1-Dichloroethene	2.37	96	134806	44.85	ug/l	97
11) Methyl Iodide	2.51	142	206421	54.27	ug/l	99
12) Methyl Acetate	2.78	43	227083	54.76	ug/l	99
13) Acrolein	2.30	56	120472	250.42	ug/l	99
14) Acrylonitrile	3.15	53	456508	276.38	ug/l	99
15) Acetone	2.45	58	122180	246.06	ug/l	98
16) Carbon Disulfide	2.57	76	343142	43.63	ug/l	100
17) Allyl chloride	2.73	41	255408	47.46	ug/l	98
18) Methylene Chloride	2.86	84	155490	47.04	ug/l	95
19) trans-1,2-Dichloroethene	3.17	96	146659	45.34	ug/l	100
20) Diisopropyl ether	3.88	45	478738	45.64	ug/l	99
21) 1,1-Dichloroethane	3.70	63	272549	48.06	ug/l	99
22) cis-1,2-Dichloroethene	4.60	96	162236	45.06	ug/l	98
23) tert-Butyl Alcohol	3.09	59	202104	293.65	ug/l #	100
24) Methyl tert-Butyl Ether	3.21	73	481962	46.40	ug/l	100
25) Chloroform	5.22	83	283288	46.05	ug/l	98
26) Cyclohexane	5.58	56	208311	41.64	ug/l #	99
29) 1,1-Dichloropropene	5.80	75	193171	45.67	ug/l	100
30) 2-Butanone	4.72	43	631386	278.43	ug/l	100
31) 2,2-Dichloropropane	4.59	77	165037	37.39	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	244285	47.38	ug/l	99
33) Carbon Tetrachloride	5.79	117	219047	47.10	ug/l	99
34) Benzene	6.15	78	607196	48.04	ug/l	98
35) Methacrylonitrile	5.07	41	134538	53.63	ug/l	96
36) 1,2-Dichloroethane	6.21	62	236460	48.24	ug/l	100
37) Trichloroethene	7.22	130	179988	47.07	ug/l	99
38) Methylcyclohexane	7.46	83	211985	43.32	ug/l	98
39) 1,2-Dichloropropane	7.52	63	151113	47.17	ug/l	98
40) Dibromomethane	7.67	93	108694	48.04	ug/l	100

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 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X051118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 11 06:59:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	207313	48.54	ug/l	100
42) Vinyl Acetate	3.83	43	2080727	242.48	ug/l	99
43) Ethyl Acetate	4.87	43	237839	54.27	ug/l	98
44) Isopropyl Acetate	6.48	43	366376	50.48	ug/l	99
45) 1,4-Dioxane	7.76	88	87330	1236.98	ug/l	98
46) Methyl methacrylate	7.79	41	200662	52.64	ug/l	97
47) n-amyl Acetate	10.91	43	325659	47.57	ug/l	98
48) t-1,3-Dichloropropene	8.45	75	233589	46.96	ug/l	99
49) cis-1,3-Dichloropropene	9.05	75	209215	44.61	ug/l	97
50) 1,1,2-Trichloroethane	9.23	97	160552	47.74	ug/l	98
51) Ethyl methacrylate	9.19	69	236489	49.41	ug/l	98
52) 1,3-Dichloropropane	9.38	76	265641	48.74	ug/l	98
53) Dibromochloromethane	9.59	129	172282	46.84	ug/l	99
54) 1,2-Dibromoethane	9.68	107	170844	47.30	ug/l	98
55) 2-Chloroethyl vinyl ether	8.32	63	638725	267.91	ug/l	100
56) Bromoform	10.87	173	142289	47.18	ug/l	99
58) 4-Methyl-2-Pentanone	8.66	43	1263633	273.78	ug/l	99
59) 2-Hexanone	9.51	43	957161	267.94	ug/l	99
61) Tetrachloroethene	9.34	164	207884	50.54	ug/l	99
62) Toluene	8.79	91	669880	46.59	ug/l	99
64) Chlorobenzene	10.15	112	436869	45.13	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.23	131	167329	47.31	ug/l	99
66) Ethyl Benzene	10.26	91	716822	45.21	ug/l	98
67) m/p-Xylenes	10.37	106	576477	91.00	ug/l	98
68) o-Xylene	10.71	106	281123	45.98	ug/l	99
69) Styrene	10.72	104	473919	46.56	ug/l	98
70) Isopropylbenzene	11.02	105	735910	44.53	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	231598	46.71	ug/l	100
72) 1,2,3-Trichloropropane	11.30	75	276679	61.88	ug/l	88
73) Bromobenzene	11.26	156	215679	44.67	ug/l	99
74) n-propylbenzene	11.37	91	814269	43.73	ug/l	99
75) 2-Chlorotoluene	11.43	91	500004	44.16	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	620689	44.08	ug/l	100
77) t-1,4-Dichloro-2-butene	11.08	75	60639	46.04	ug/l	93
78) 4-Chlorotoluene	11.52	91	576438	43.12	ug/l	100
79) tert-butylbenzene	12.07	119	665296	44.22	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	639720	44.75	ug/l	100
81) sec-Butylbenzene	11.95	105	724086	44.35	ug/l	100
82) p-Isopropyltoluene	12.07	119	665296	44.22	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	381408	43.63	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	385853	43.48	ug/l	98
85) n-Butylbenzene	12.40	91	533431	41.55	ug/l	99
86) Hexachloroethane	12.60	117	102910	44.45	ug/l	96
87) 1,2-Dichlorobenzene	12.40	146	391399	44.74	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	13.01	75	57533	54.40	ug/l	97
89) 1,2,4-Trichlorobenzene	13.65	180	286413	43.88	ug/l	100
90) Hexachlorobutadiene	13.79	225	144663	46.19	ug/l	97
91) Naphthalene	13.84	128	877055	50.47	ug/l	100
92) 1,2,3-Trichlorobenzene	14.03	180	300936	46.00	ug/l	100

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VSTDICC050

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri May 11 06:59:10 2018
Response via : Initial Calibration

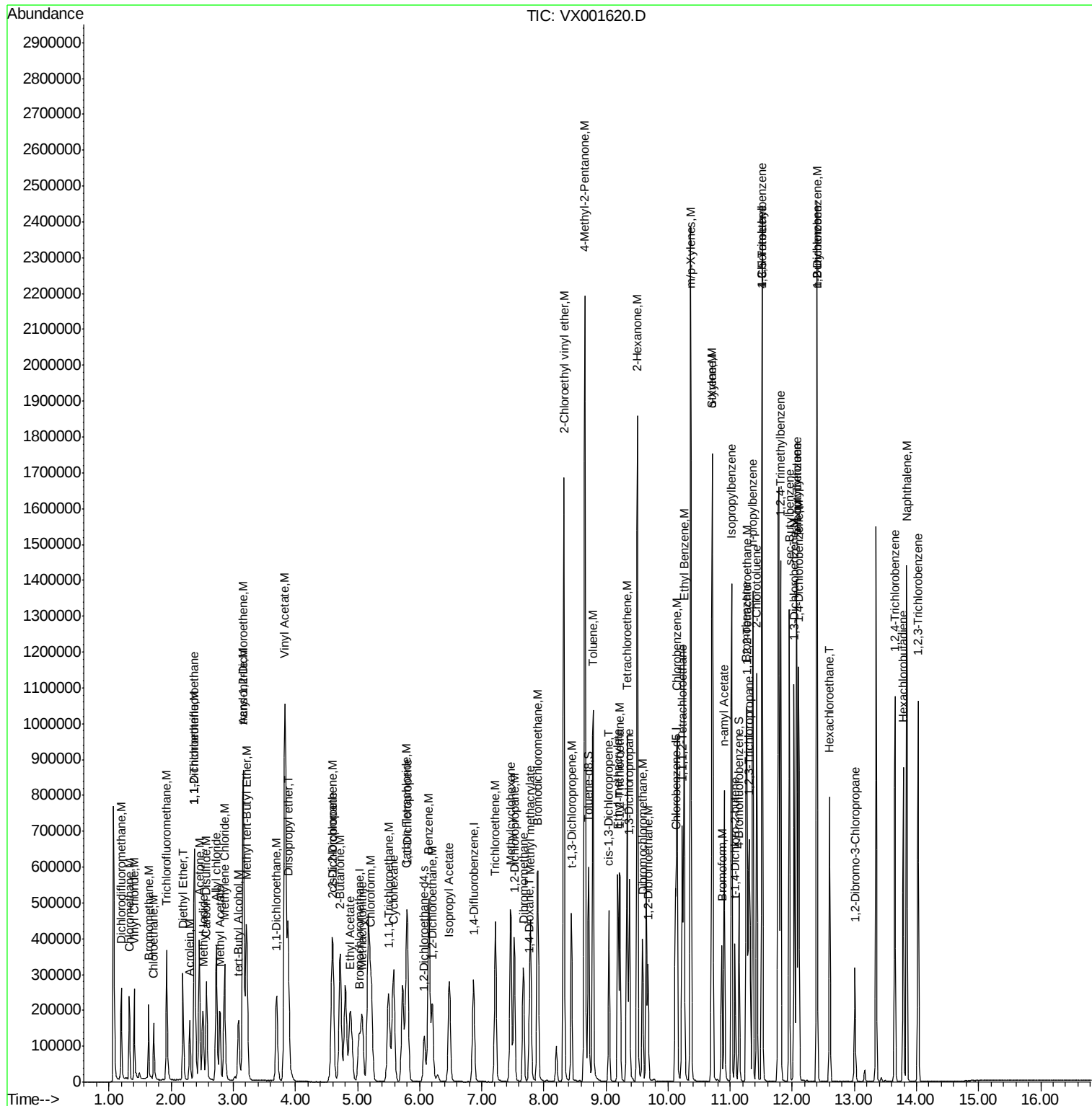
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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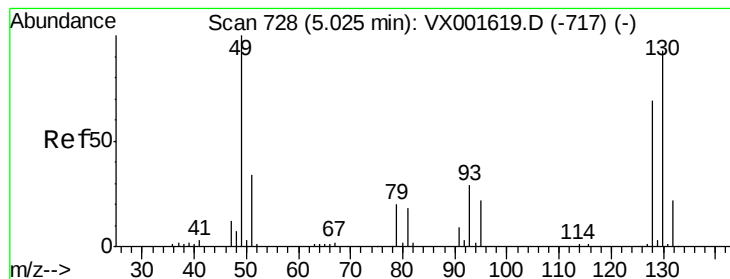
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :
VSTDIC050

Quant Time: May 11 07:00:51 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X051118W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri May 11 06:59:10 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.00 min

Lab File: VX001620.D

Acq: 10 May 2018 23:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

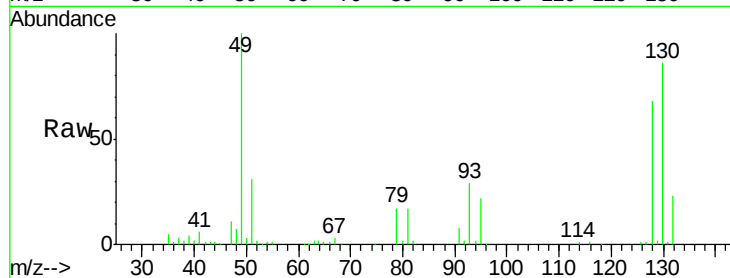
Tgt Ion:128 Resp: 55871

Ion Ratio Lower Upper

128 100

49 147.4 0.0 372.0

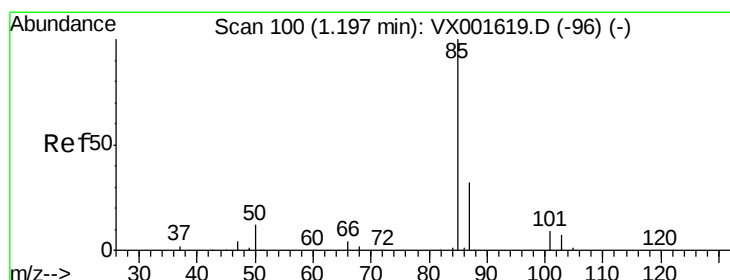
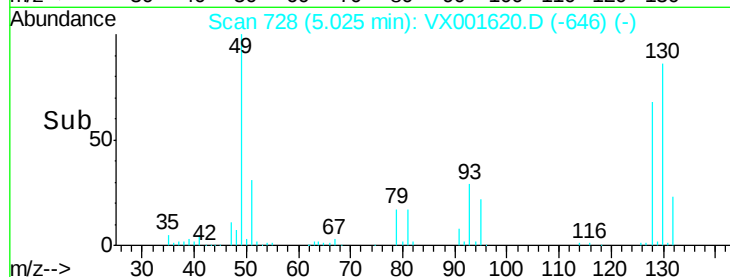
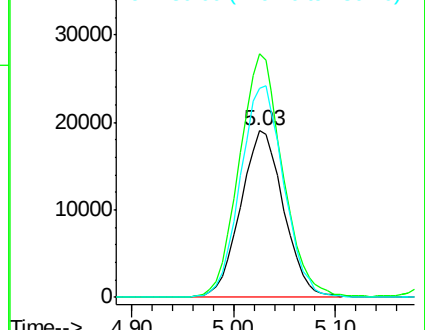
130 128.1 0.0 326.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 41.74 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX001620.D

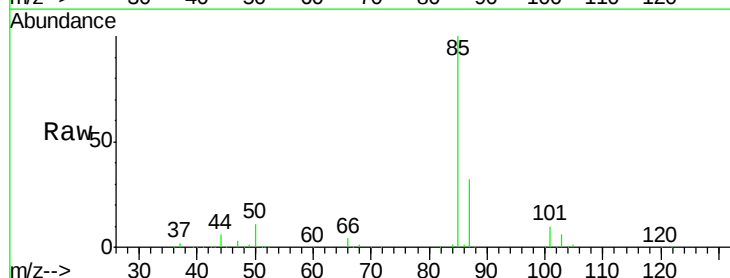
Acq: 10 May 2018 23:55

Tgt Ion: 85 Resp: 146022

Ion Ratio Lower Upper

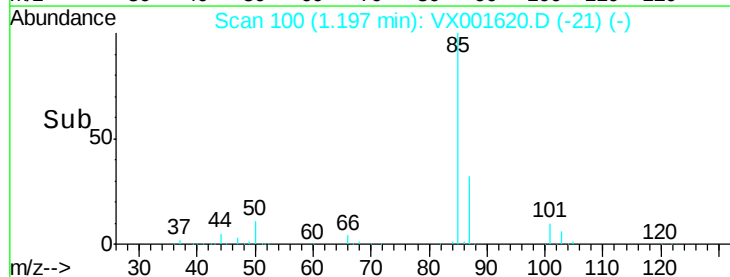
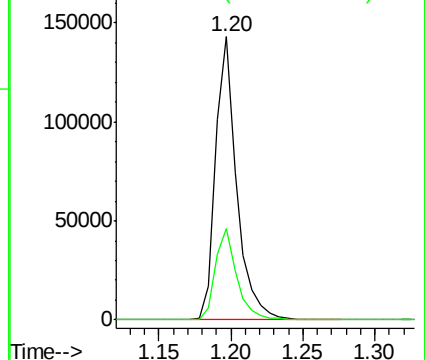
85 100

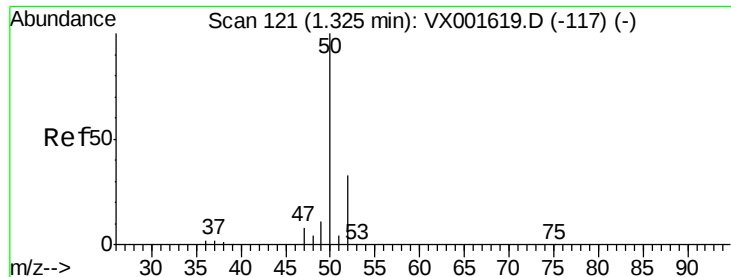
87 32.5 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 46.22 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001620.D

Acq: 10 May 2018 23:55

Instrument :

MSVOA_X

ClientSampleId :

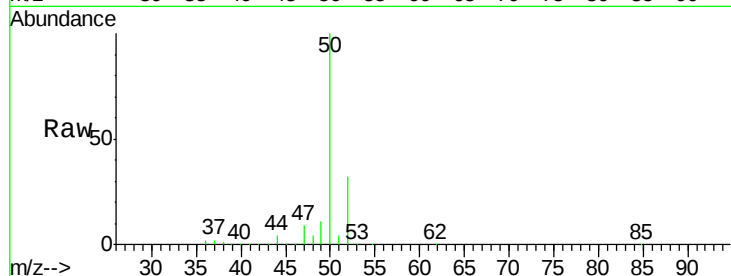
VSTDIC050

Tgt Ion: 50 Resp: 154968

Ion Ratio Lower Upper

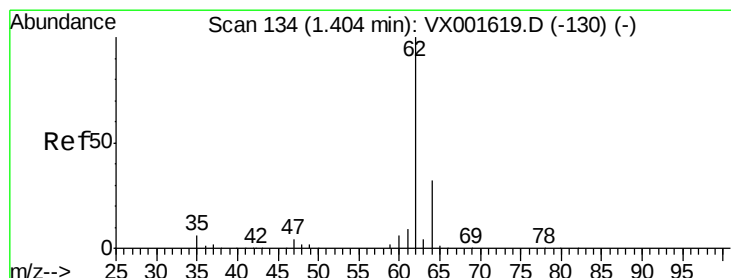
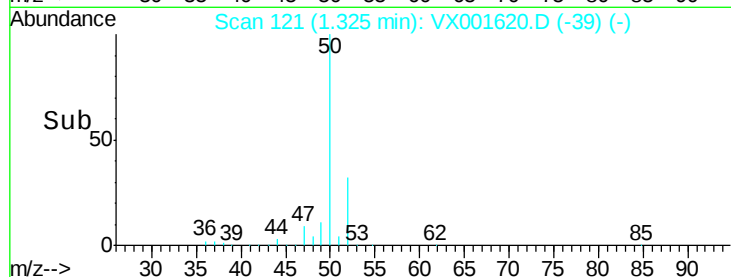
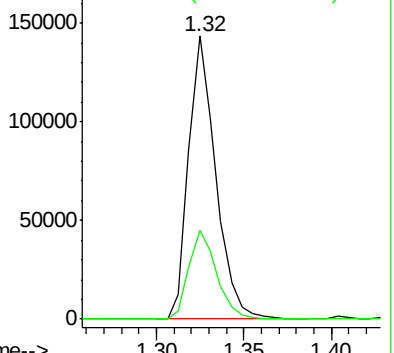
50 100

52 31.6 26.4 39.6



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 46.73 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001620.D

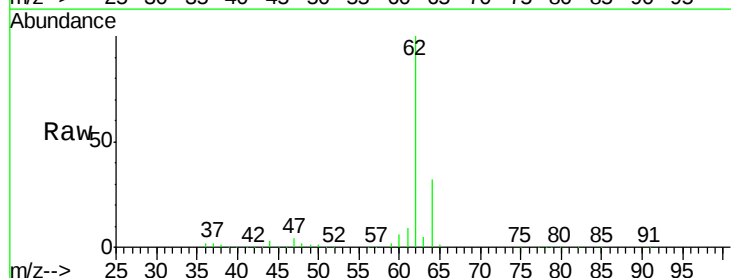
Acq: 10 May 2018 23:55

Tgt Ion: 62 Resp: 164580

Ion Ratio Lower Upper

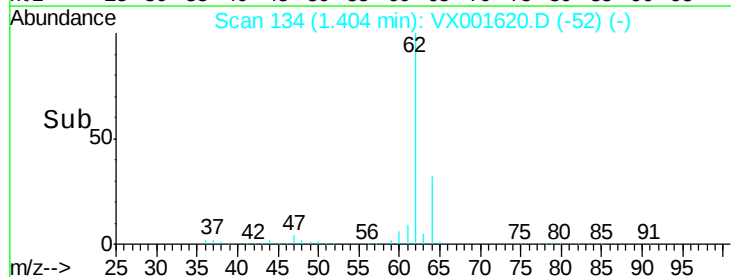
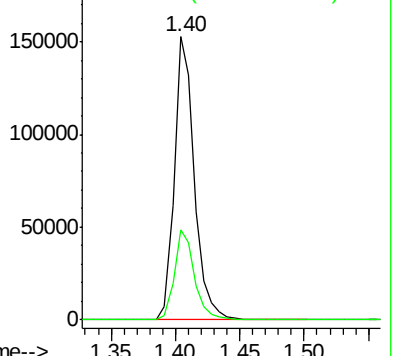
62 100

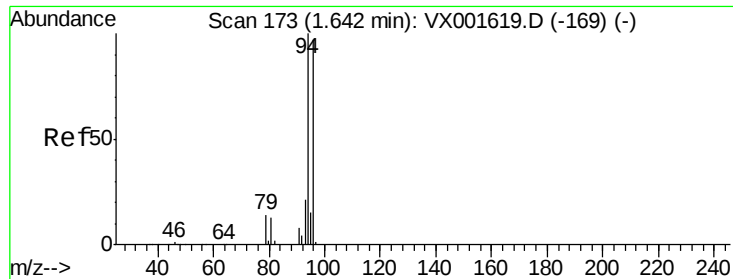
64 31.8 25.9 38.9



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 28.12 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.01 min

Lab File: VX001620.D

Acq: 10 May 2018 23:55

Instrument :

MSVOA_X

ClientSampleId :

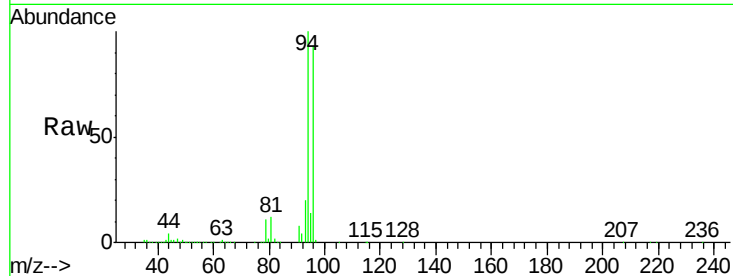
VSTDIC050

Tgt Ion: 94 Resp: 72444

Ion Ratio Lower Upper

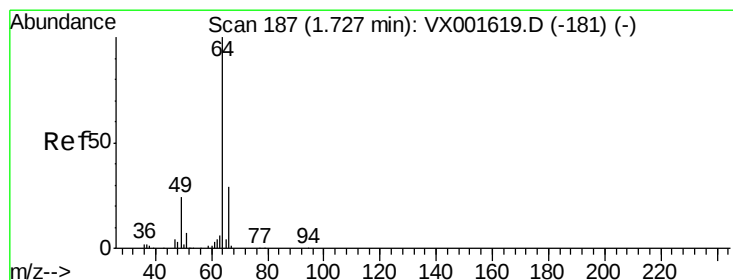
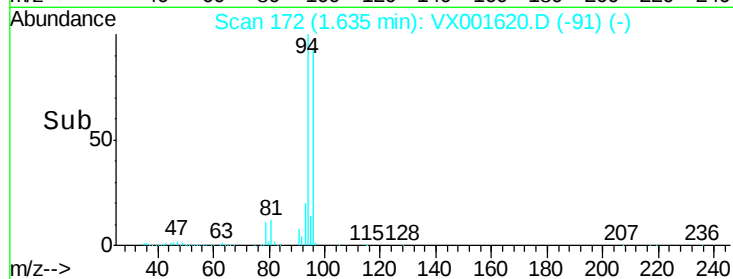
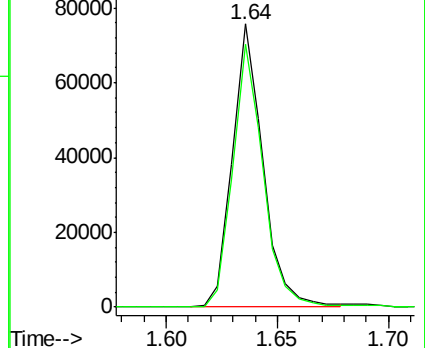
94 100

96 93.1 77.8 116.8



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 48.70 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX001620.D

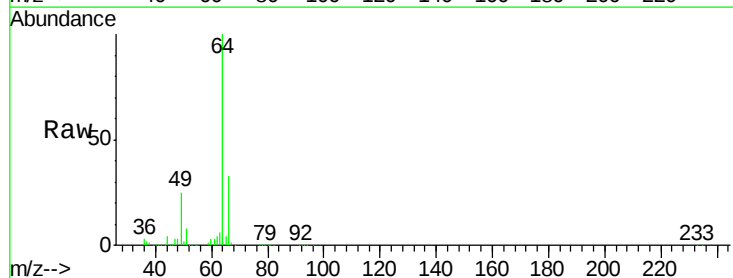
Acq: 10 May 2018 23:55

Tgt Ion: 64 Resp: 107337

Ion Ratio Lower Upper

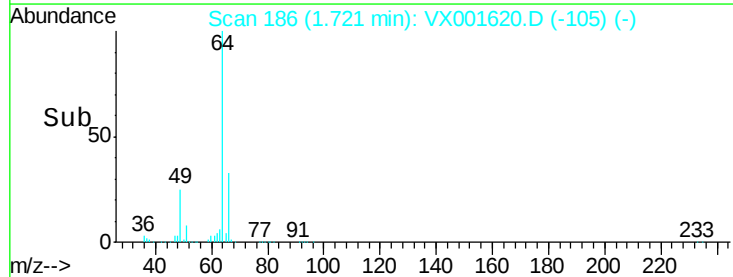
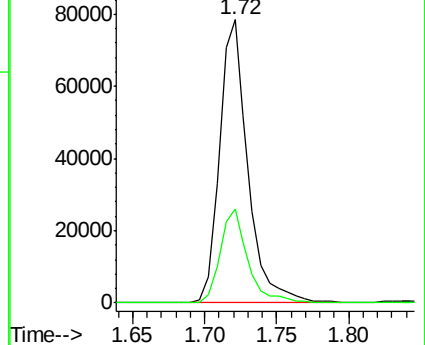
64 100

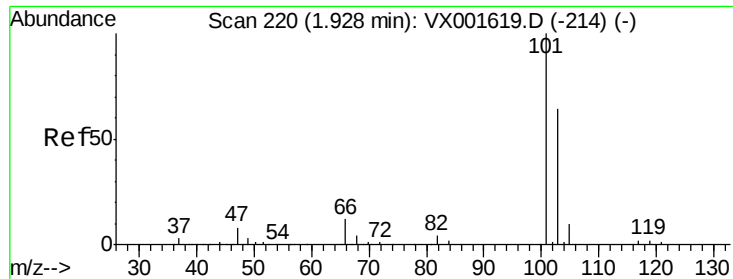
66 33.2 23.4 35.2



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

Trichlorofluoromethane

Concen: 41.55 ug/l

RT: 1.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VX001620.D

Acq: 10 May 2018 23:55

Instrument :

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ClientSampleId :

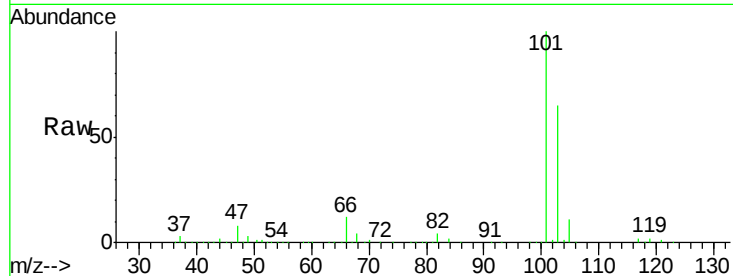
VSTDIC050

Tgt Ion: 101 Resp: 237806

Ion Ratio Lower Upper

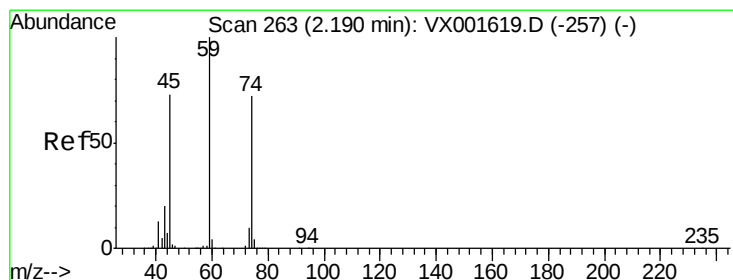
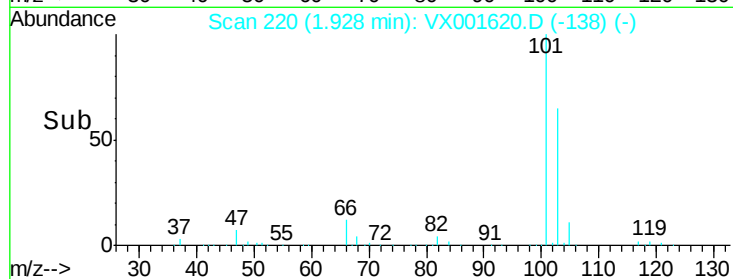
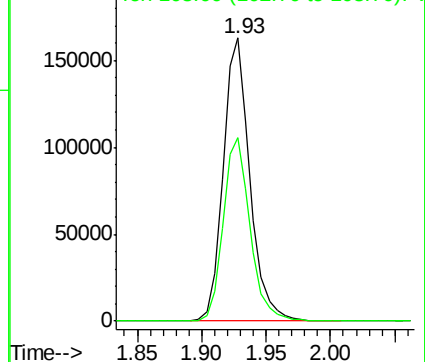
101 100

103 65.0 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 47.98 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX001620.D

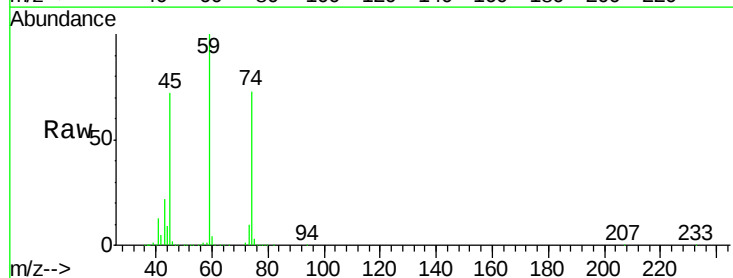
Acq: 10 May 2018 23:55

Tgt Ion: 74 Resp: 99476

Ion Ratio Lower Upper

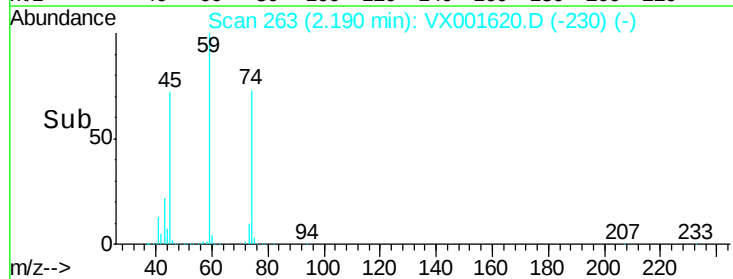
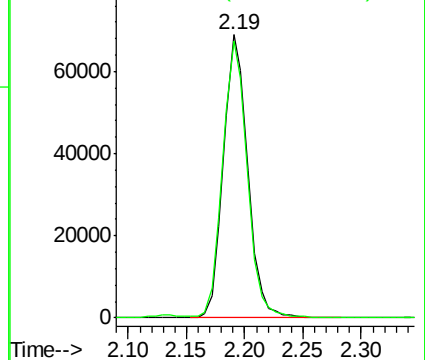
74 100

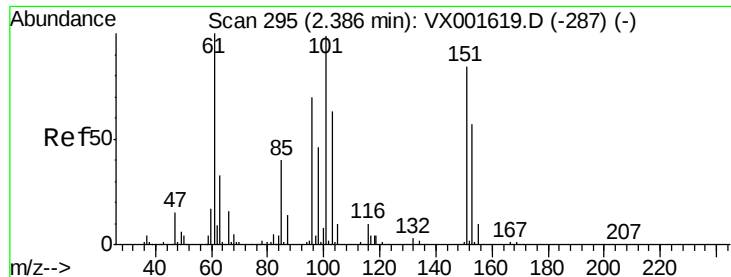
45 98.4 19.4 174.2



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 40.60 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX001620.D

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VSTDIC050

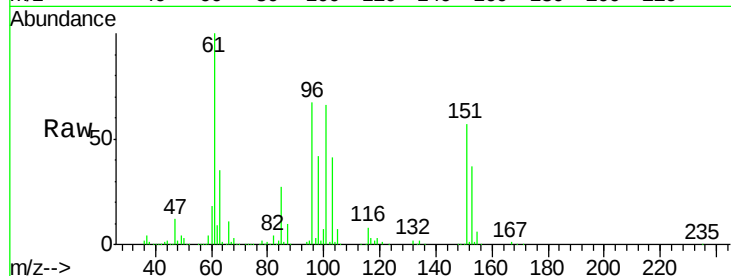
Tgt Ion: 101 Resp: 132407

Ion Ratio Lower Upper

101 100

85 42.0 0.0 84.0

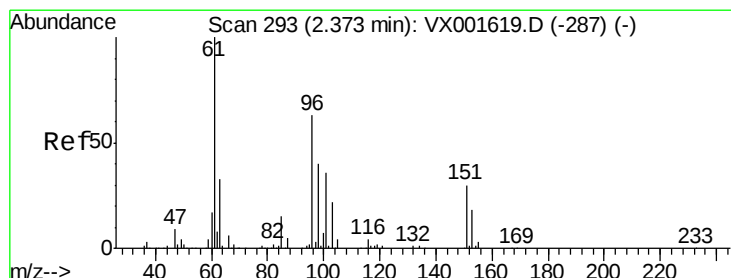
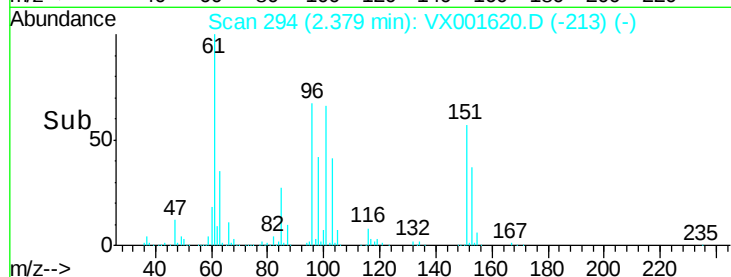
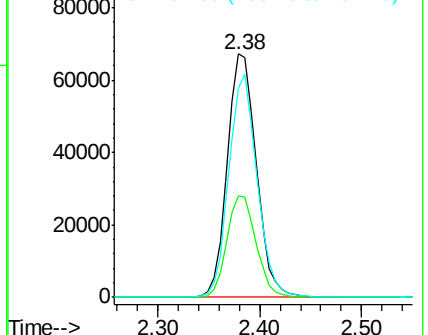
151 89.1 0.0 176.4



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: 44.85 ug/l

RT: 2.37 min Scan# 293

Delta R.T. -0.00 min

Lab File: VX001620.D

Acq: 10 May 2018 23:55

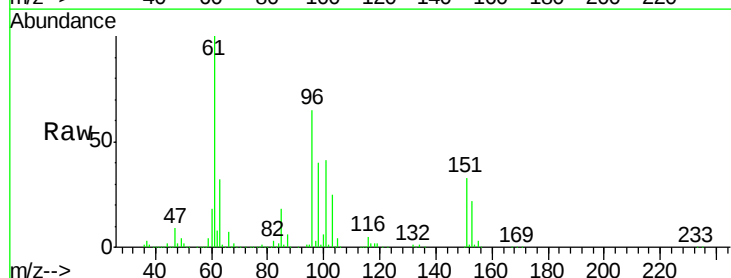
Tgt Ion: 96 Resp: 134806

Ion Ratio Lower Upper

96 100

61 152.9 126.5 189.7

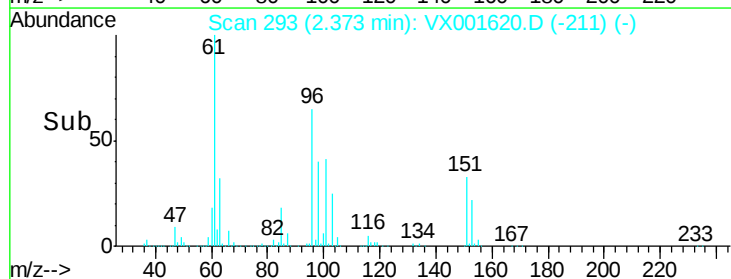
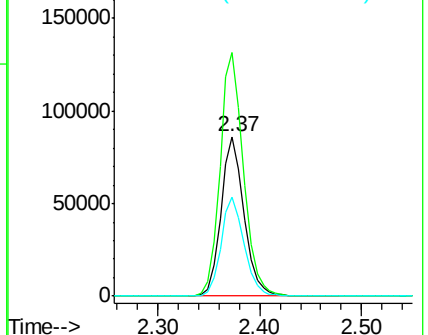
98 61.8 50.6 75.8

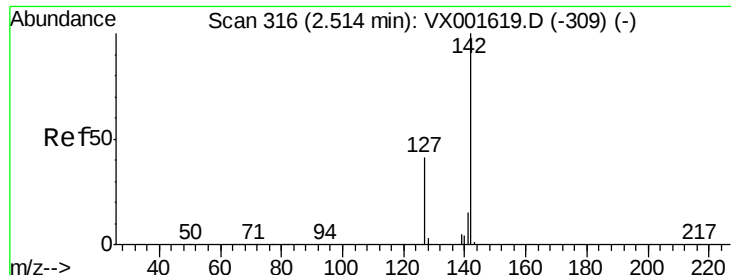


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

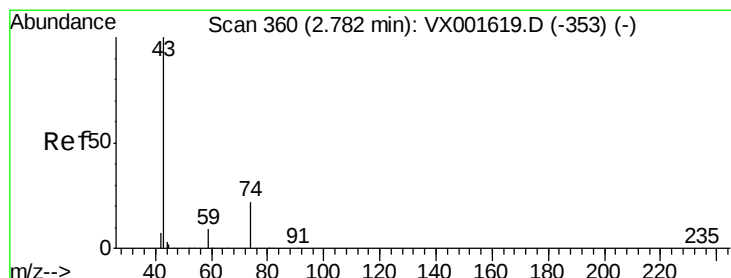
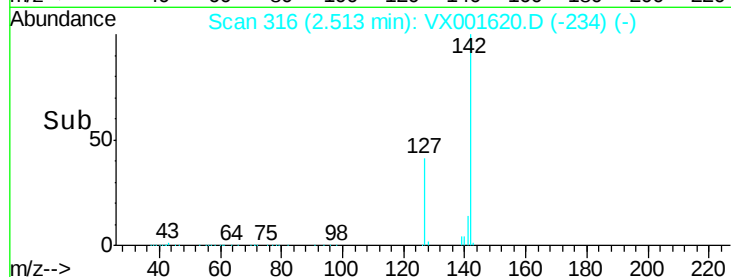
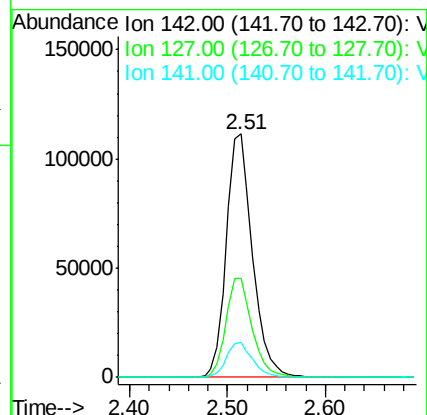
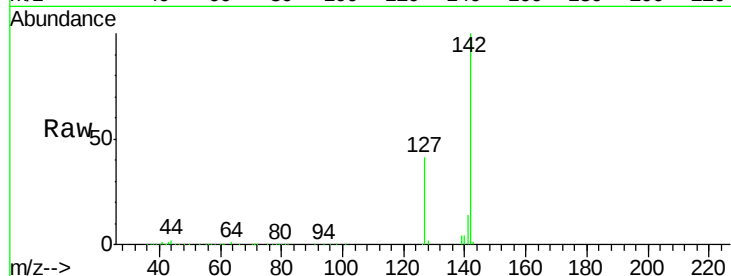




#11
Methyl Iodide
Concen: 54.27 ug/l
RT: 2.51 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX001620.D
Acq: 10 May 2018 23:55

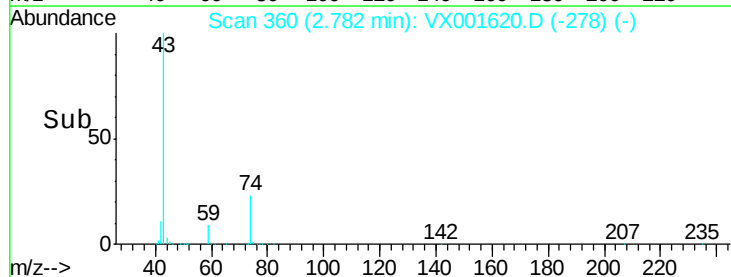
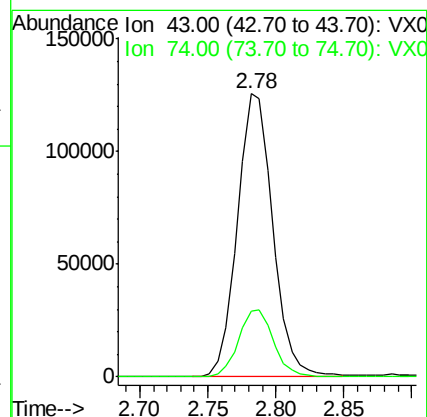
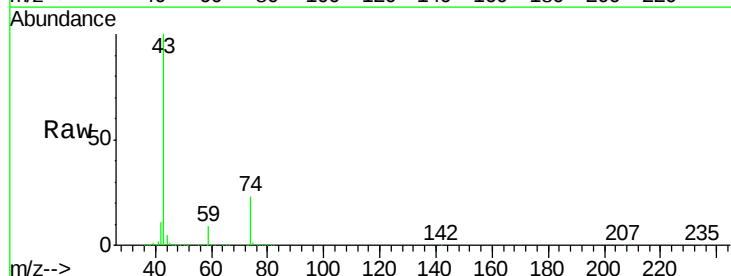
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

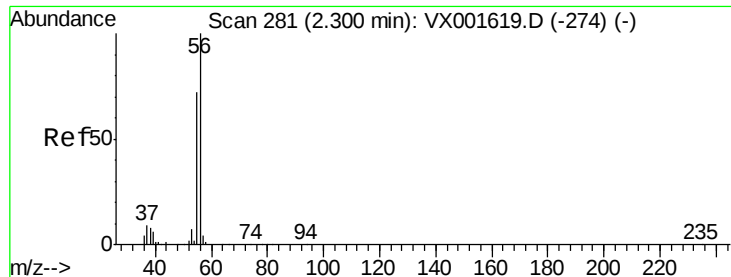
Tgt Ion:142 Resp: 206421
Ion Ratio Lower Upper
142 100
127 40.6 20.7 62.1
141 14.2 7.4 22.3



#12
Methyl Acetate
Concen: 54.76 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX001620.D
Acq: 10 May 2018 23:55

Tgt Ion: 43 Resp: 227083
Ion Ratio Lower Upper
43 100
74 23.1 18.0 27.0





#13

Acrolein

Concen: 250.42 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX001620.D

Acq: 10 May 2018 23:55

Instrument :

MSVOA_X

ClientSampleId :

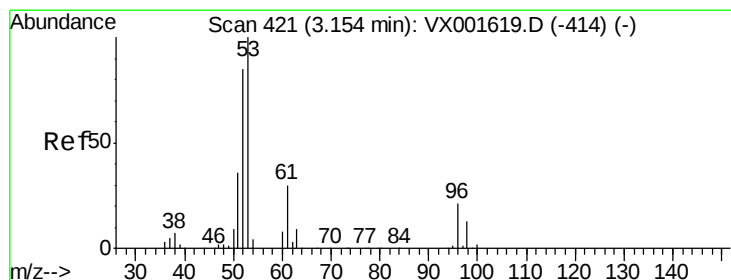
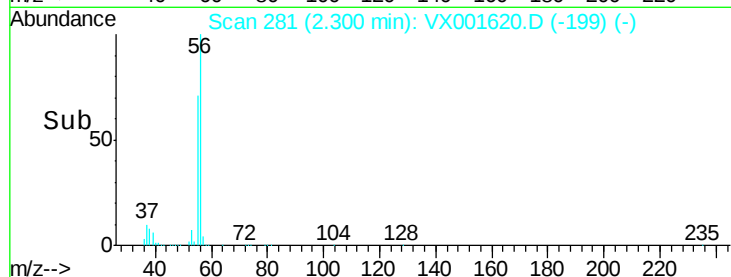
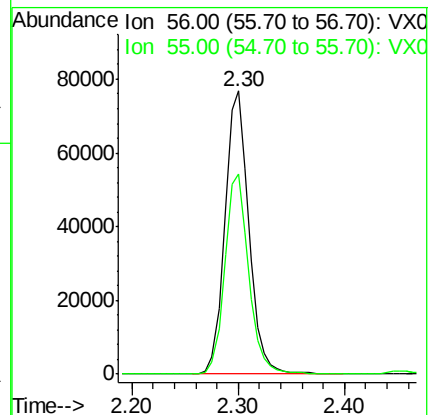
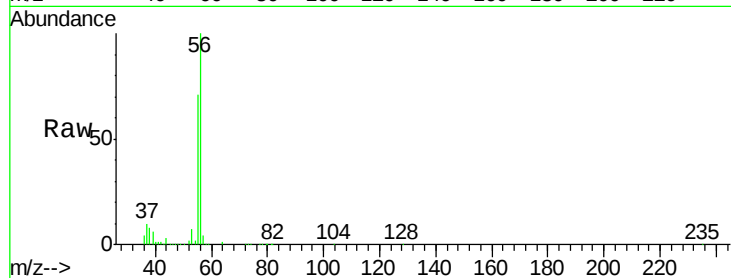
VSTDIC050

Tgt Ion: 56 Resp: 120472

Ion Ratio Lower Upper

56 100

55 70.1 56.9 85.3



#14

Acrylonitrile

Concen: 276.38 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001620.D

Acq: 10 May 2018 23:55

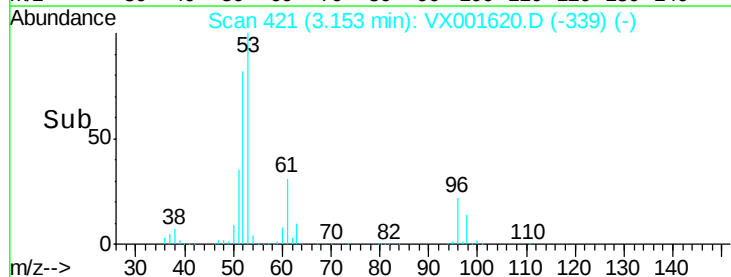
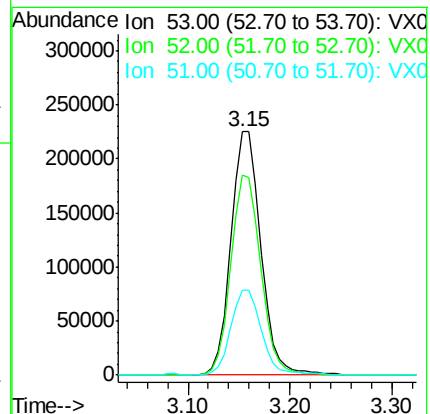
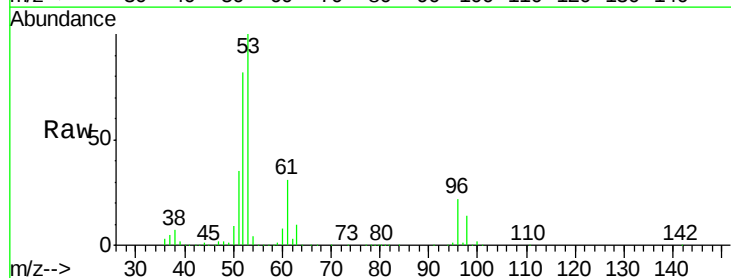
Tgt Ion: 53 Resp: 456508

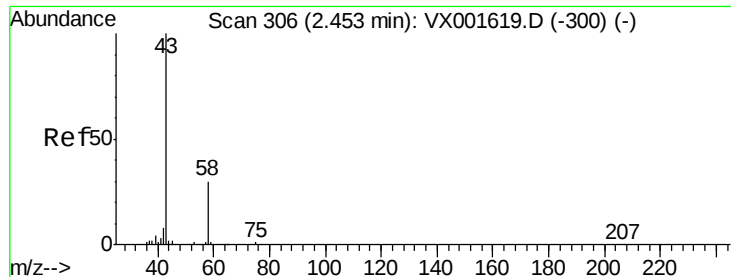
Ion Ratio Lower Upper

53 100

52 81.6 41.3 123.9

51 36.1 18.1 54.3





#15

Acetone

Concen: 246.06 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001620.D

Acq: 10 May 2018 23:55

Instrument :

MSVOA_X

ClientSampled :

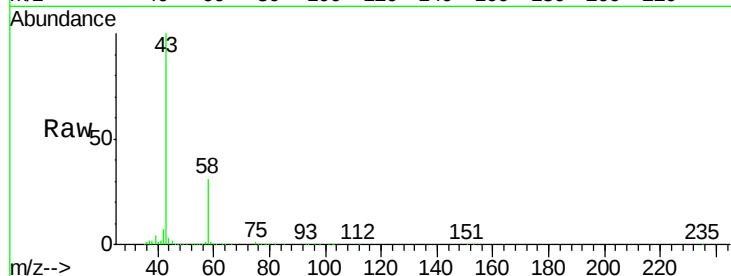
VSTDIC050

Tgt Ion: 58 Resp: 122180

Ion Ratio Lower Upper

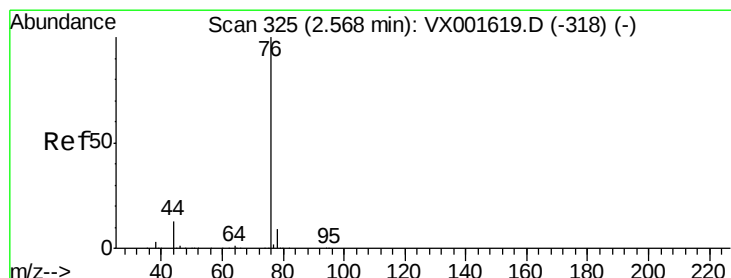
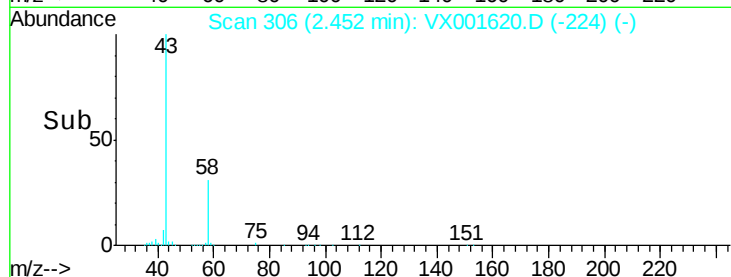
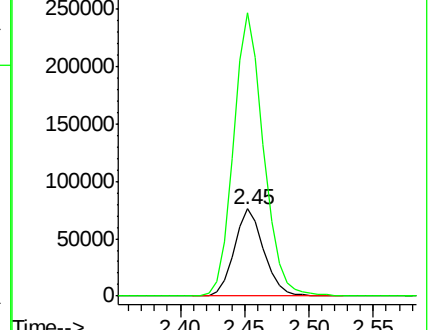
58 100

43 325.4 264.2 396.2



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 43.63 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX001620.D

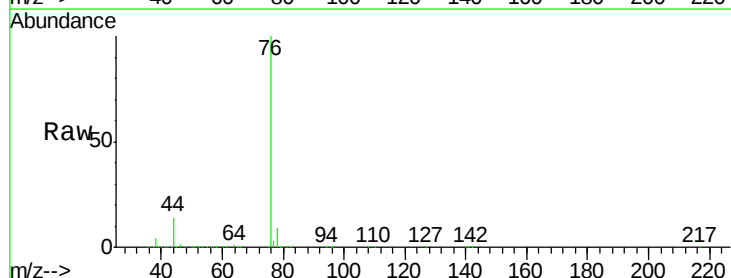
Acq: 10 May 2018 23:55

Tgt Ion: 76 Resp: 343142

Ion Ratio Lower Upper

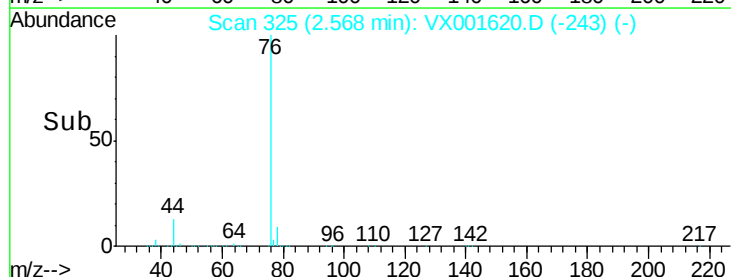
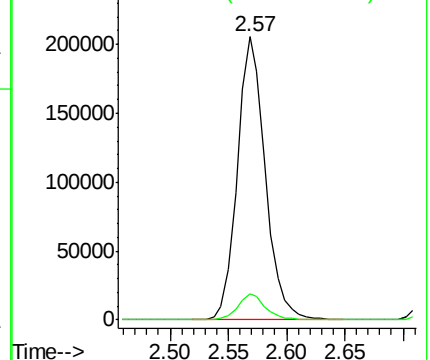
76 100

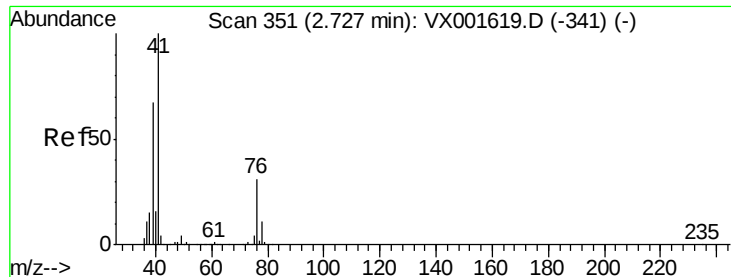
78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#17

Allyl chloride

Concen: 47.46 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX001620.D

Acq: 10 May 2018 23:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

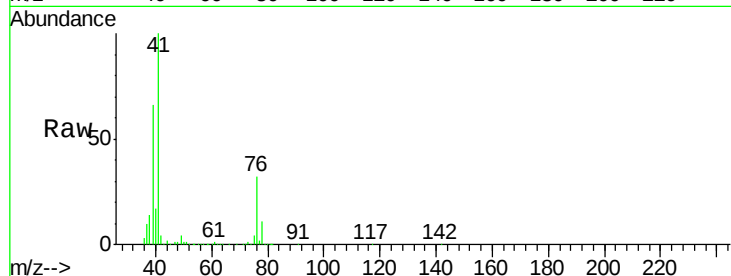
Tgt Ion: 41 Resp: 255408

Ion Ratio Lower Upper

41 100

39 65.6 33.7 101.1

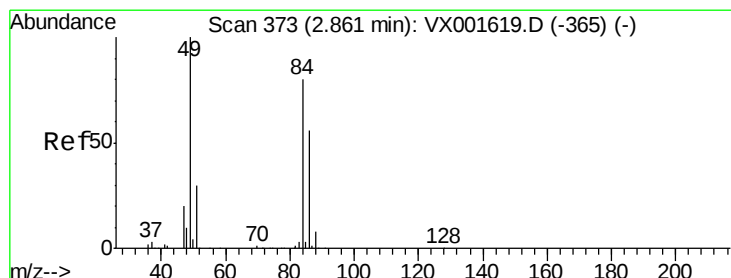
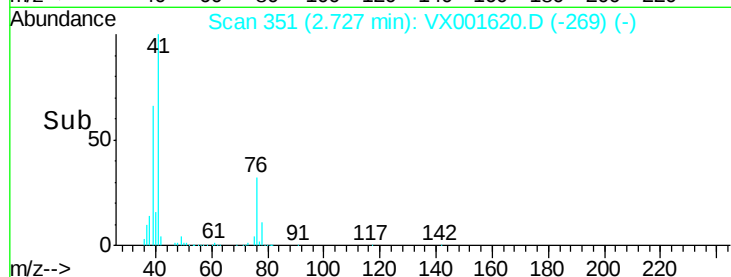
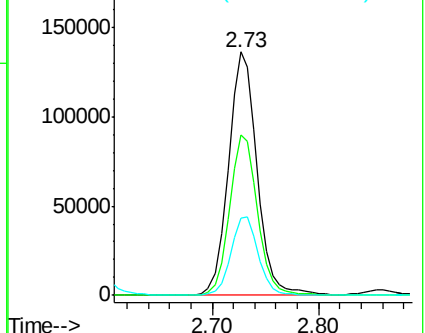
76 31.6 15.4 46.4



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 76.00 (75.70 to 76.70): VX0



#18

Methylene Chloride

Concen: 47.04 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX001620.D

Acq: 10 May 2018 23:55

Tgt Ion: 84 Resp: 155490

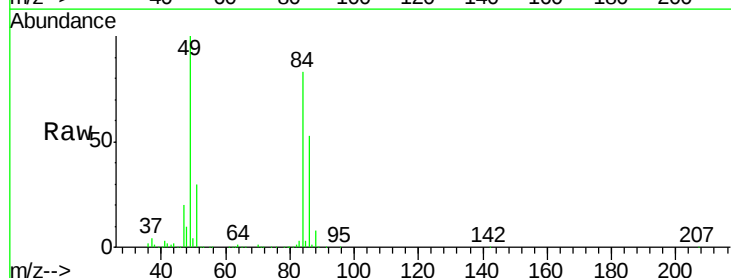
Ion Ratio Lower Upper

84 100

49 120.0 99.5 149.3

51 36.1 30.1 45.1

86 63.8 55.4 83.2

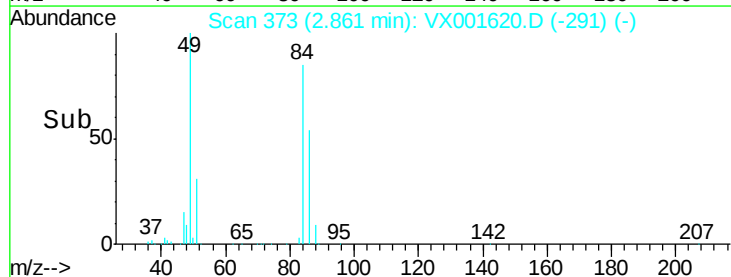
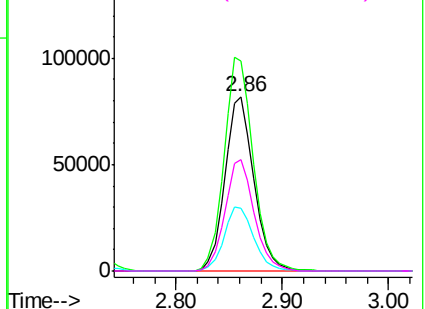


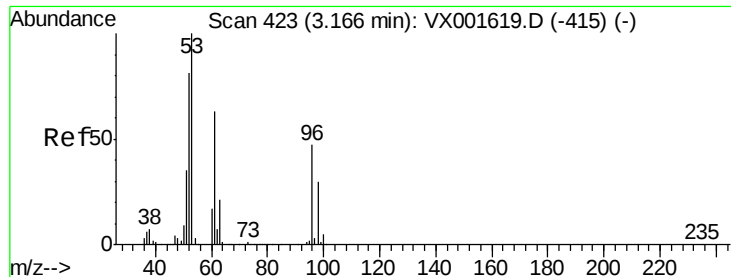
Abundance Ion 84.00 (83.70 to 84.70): VX0

Ion 49.00 (48.70 to 49.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

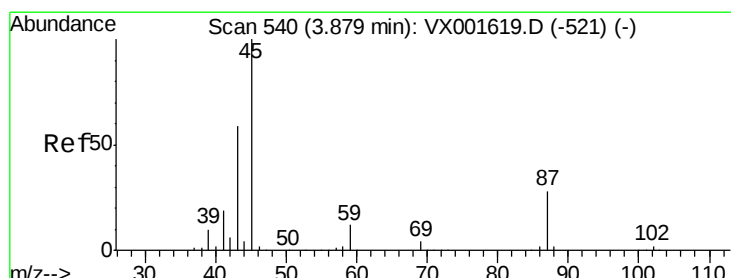
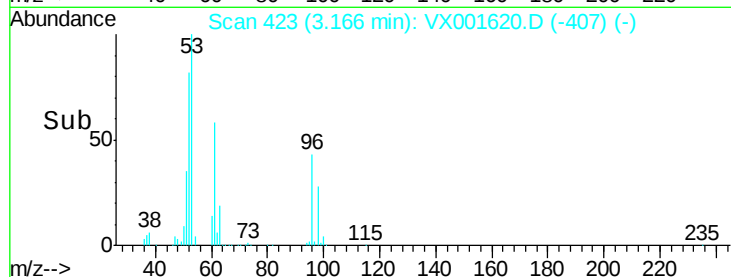
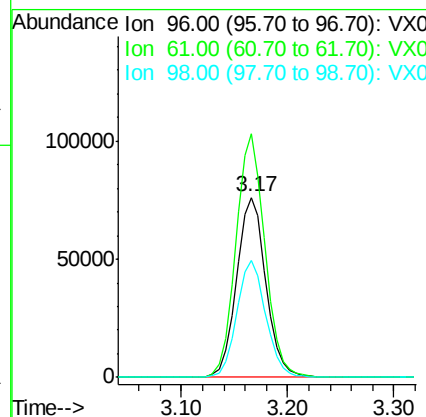
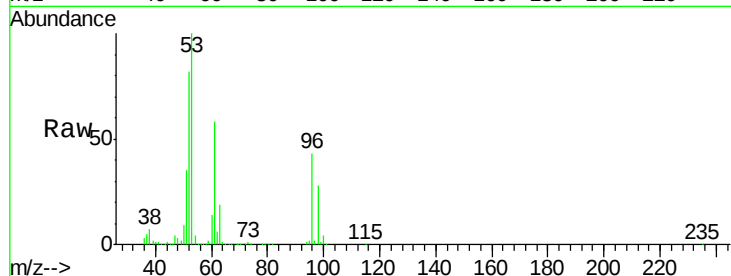




#19
trans-1,2-Dichloroethene
Concen: 45.34 ug/l
RT: 3.17 min Scan# 423
Delta R.T. -0.00 min
Lab File: VX001620.D
Acq: 10 May 2018 23:55

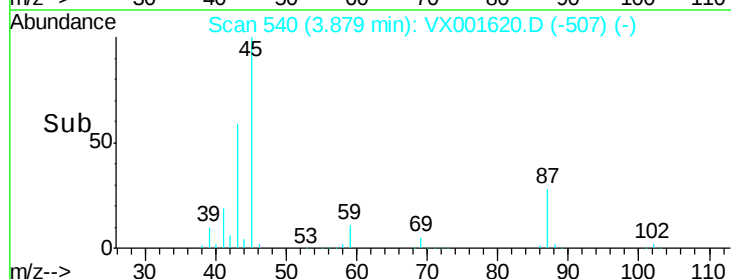
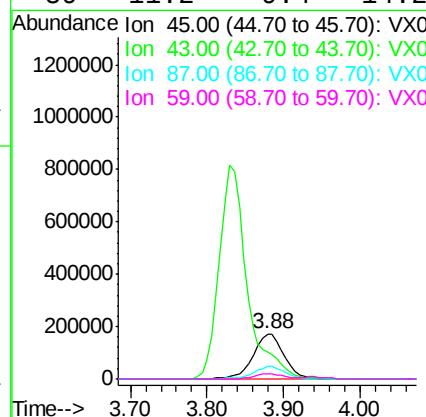
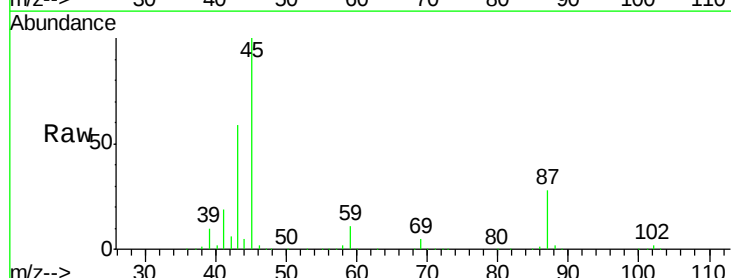
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

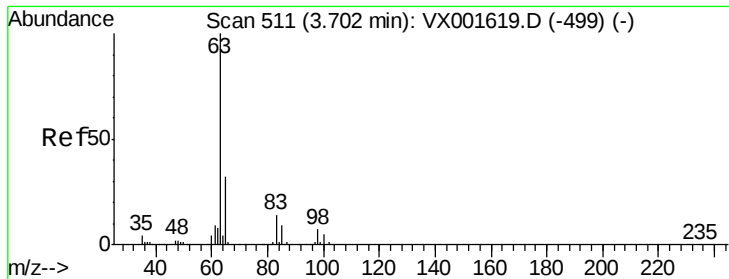
Tgt Ion: 96 Resp: 146659
Ion Ratio Lower Upper
96 100
61 135.0 107.7 161.5
98 64.8 51.6 77.4



#20
Diisopropyl ether
Concen: 45.64 ug/l
RT: 3.88 min Scan# 540
Delta R.T. -0.00 min
Lab File: VX001620.D
Acq: 10 May 2018 23:55

Tgt Ion: 45 Resp: 478738
Ion Ratio Lower Upper
45 100
43 58.7 47.5 71.3
87 28.5 22.2 33.4
59 11.2 9.4 14.2





#21

1,1-Dichloroethane

Concen: 48.06 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX001620.D

Acq: 10 May 2018 23:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

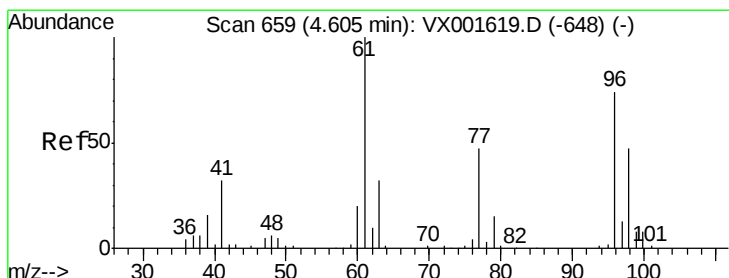
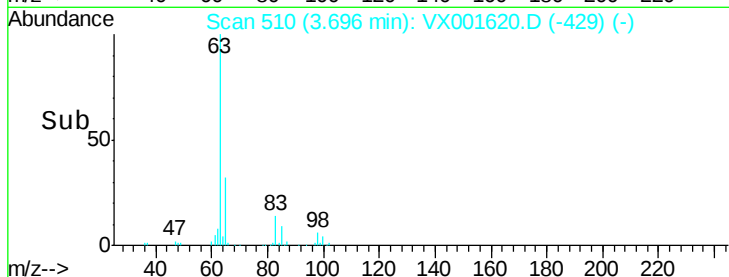
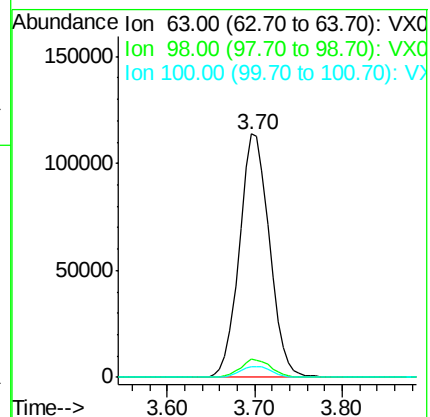
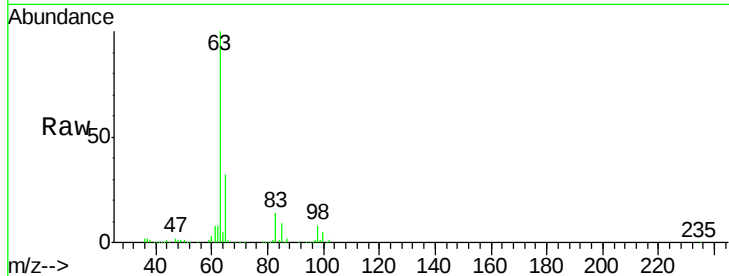
Tgt Ion: 63 Resp: 272549

Ion Ratio Lower Upper

63 100

98 7.6 3.5 10.5

100 4.6 2.5 7.4



#22

cis-1,2-Dichloroethene

Concen: 45.06 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX001620.D

Acq: 10 May 2018 23:55

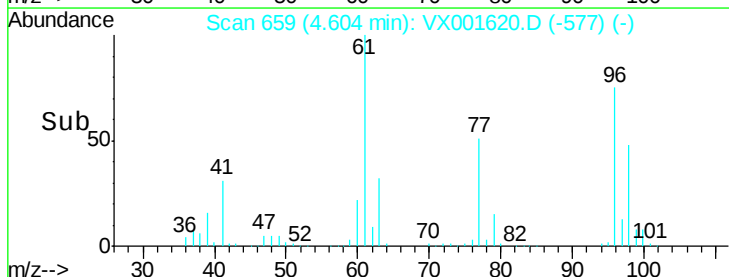
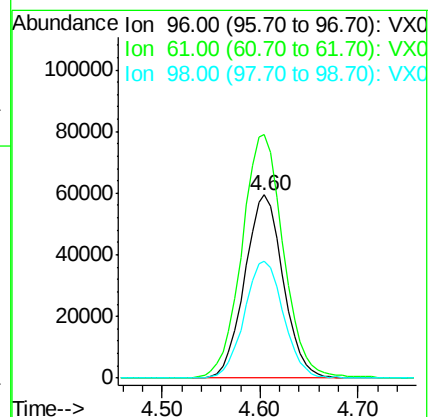
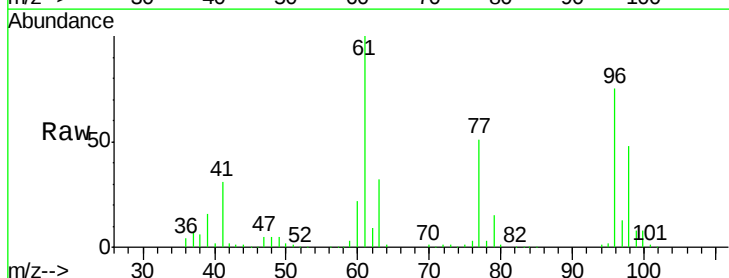
Tgt Ion: 96 Resp: 162236

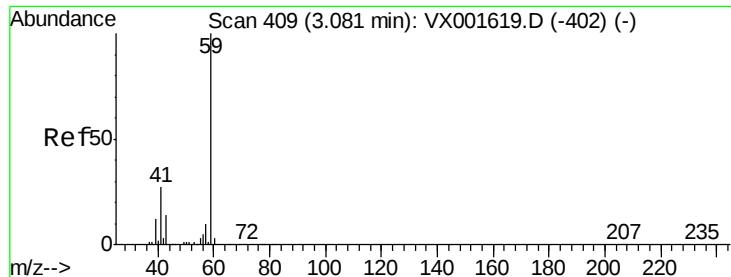
Ion Ratio Lower Upper

96 100

61 143.8 117.3 175.9

98 65.0 51.2 76.8

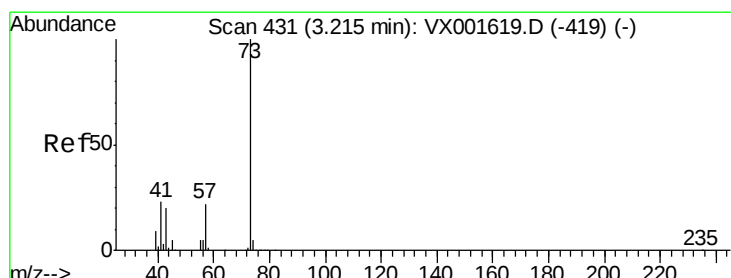
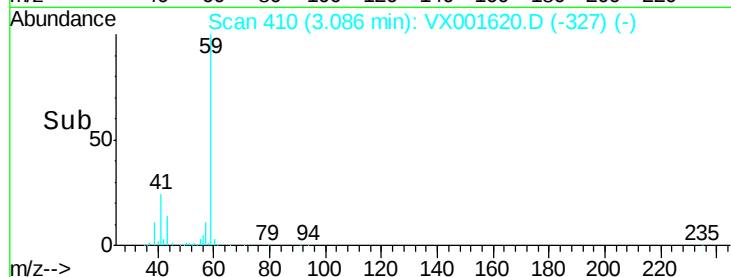
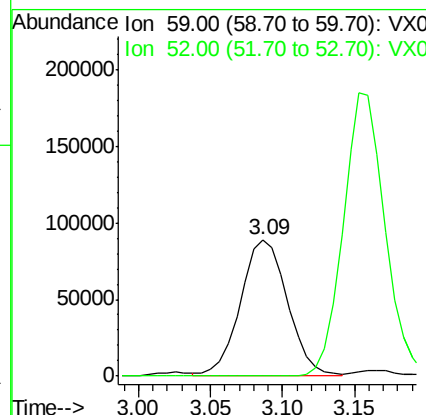
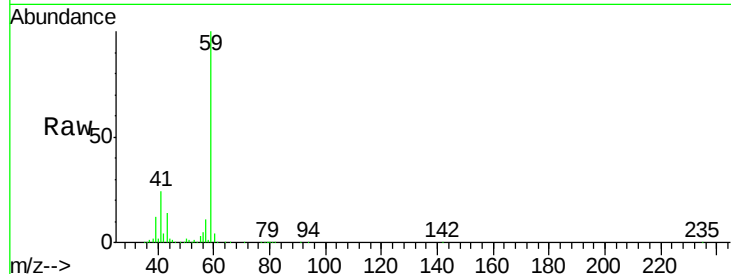




#23
 tert-Butyl Alcohol
 Concen: 293.65 ug/l
 RT: 3.09 min Scan# 410
 Delta R.T. 0.01 min
 Lab File: VX001620.D
 Acq: 10 May 2018 23:55

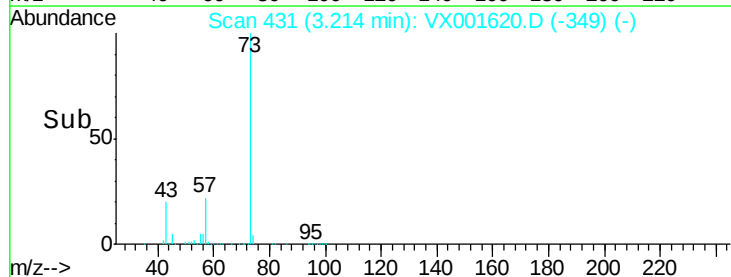
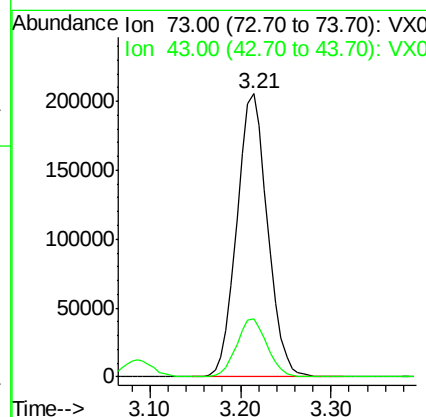
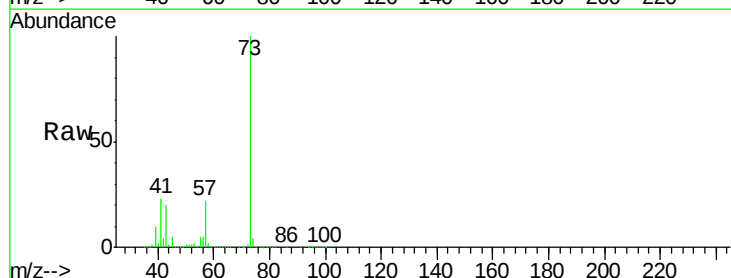
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

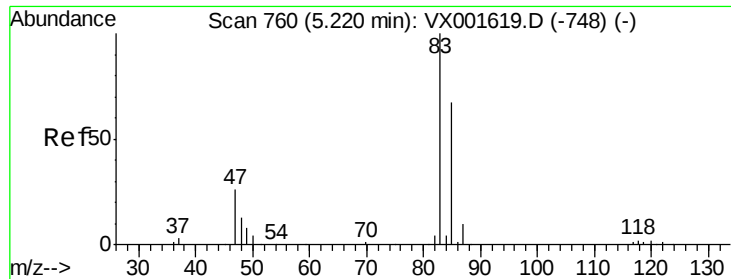
Tgt Ion: 59 Resp: 202104
 Ion Ratio Lower Upper
 59 100
 52 0.3 0.2 0.2#



#24
 Methyl tert-Butyl Ether
 Concen: 46.40 ug/l
 RT: 3.21 min Scan# 431
 Delta R.T. -0.00 min
 Lab File: VX001620.D
 Acq: 10 May 2018 23:55

Tgt Ion: 73 Resp: 481962
 Ion Ratio Lower Upper
 73 100
 43 20.4 16.3 24.5





#25

Chloroform

Concen: 46.05 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX001620.D

Acq: 10 May 2018 23:55

Instrument :

MSVOA_X

ClientSampled :

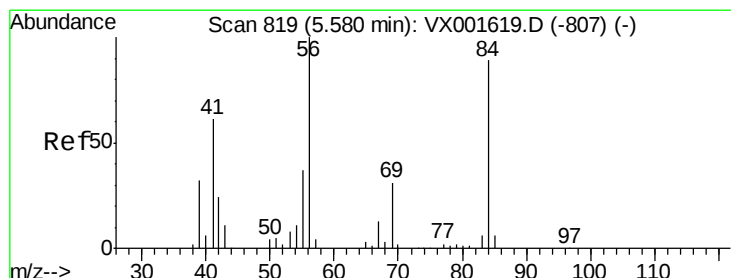
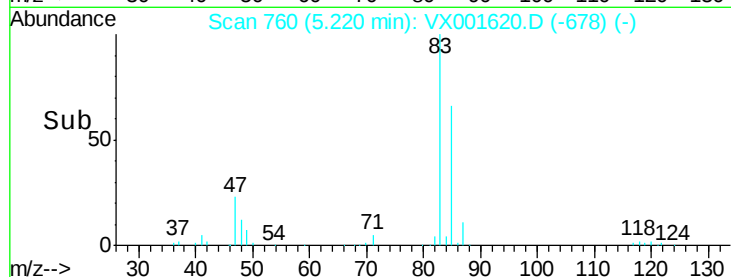
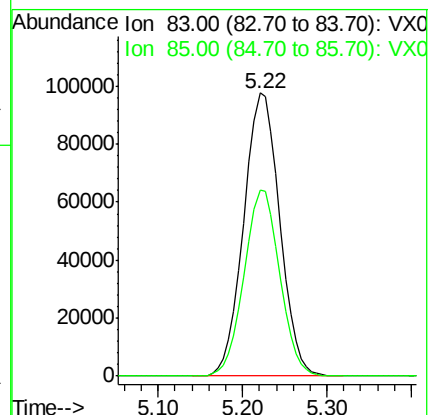
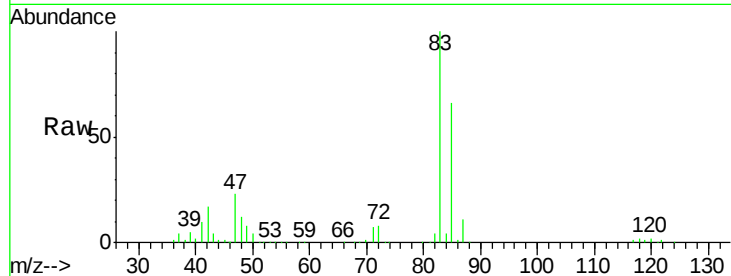
VSTDIC050

Tgt Ion: 83 Resp: 283288

Ion Ratio Lower Upper

83 100

85 65.9 53.9 80.9



#26

Cyclohexane

Concen: 41.64 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX001620.D

Acq: 10 May 2018 23:55

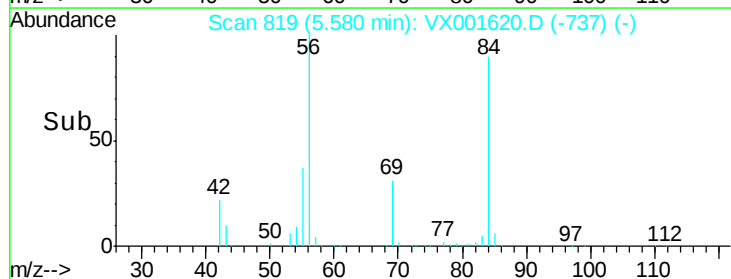
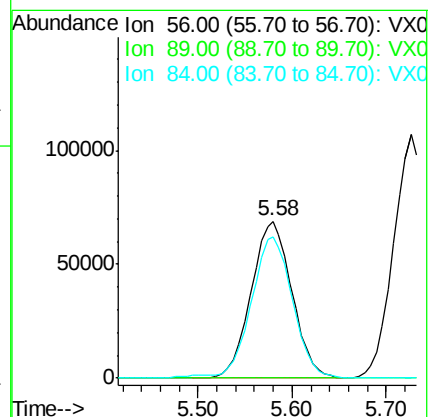
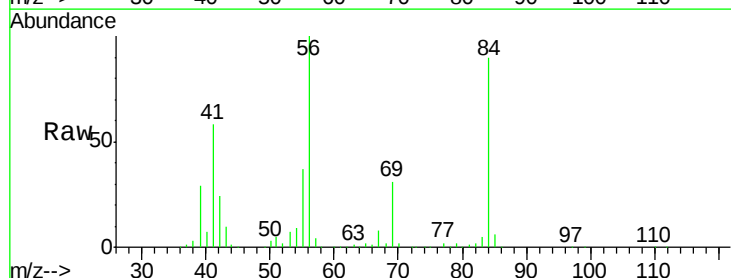
Tgt Ion: 56 Resp: 208311

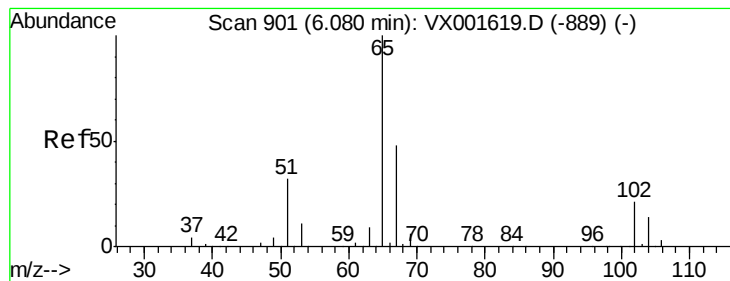
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 90.8 72.2 108.4





#27

1,2-Dichloroethane-d4

Concen: 29.74 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.01 min

Lab File: VX001620.D

Acq: 10 May 2018 23:55

Instrument :

MSVOA_X

ClientSampleId :

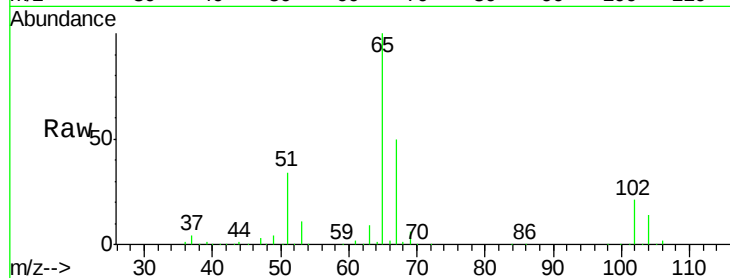
VSTDIC050

Tgt Ion: 65 Resp: 120293

Ion Ratio Lower Upper

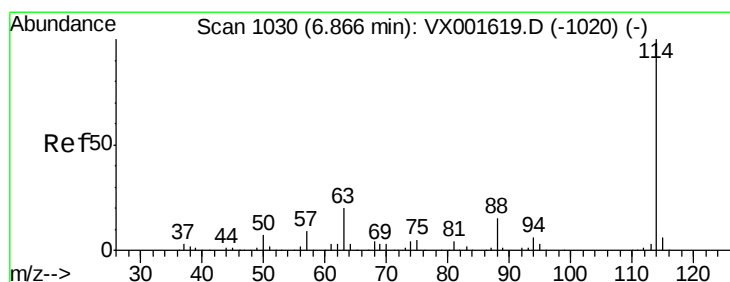
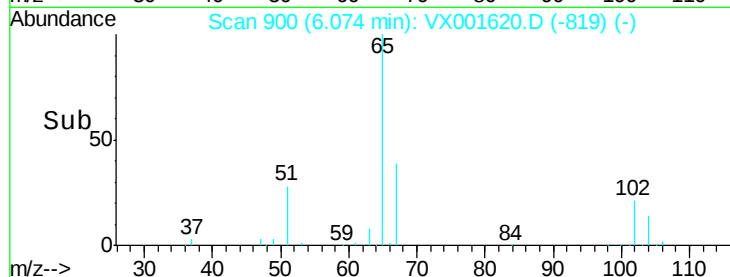
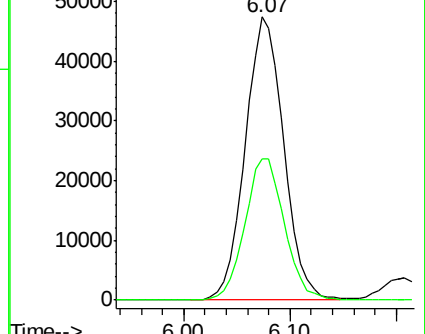
65 100

67 51.3 40.2 60.2



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001620.D

Acq: 10 May 2018 23:55

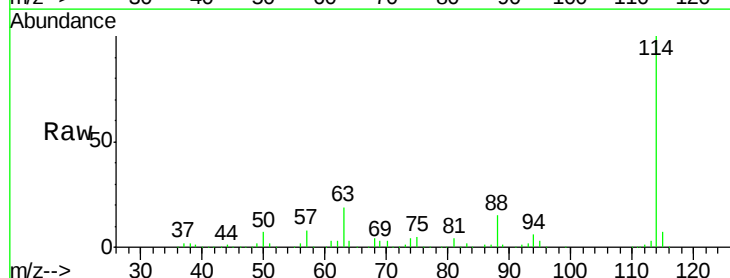
Tgt Ion: 114 Resp: 289307

Ion Ratio Lower Upper

114 100

63 19.5 15.5 23.3

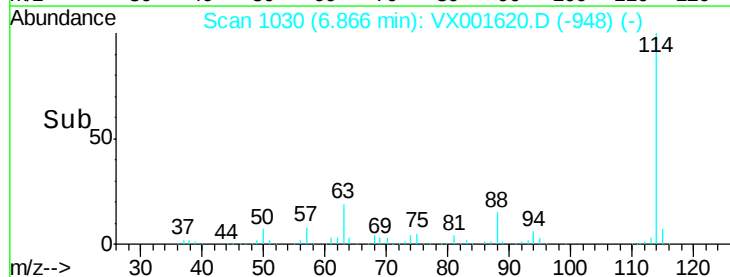
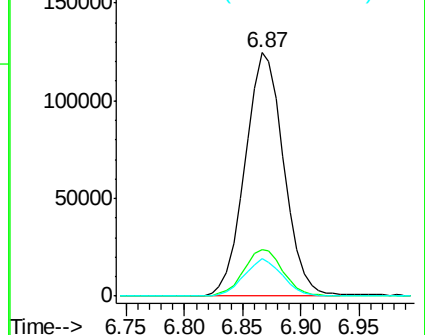
88 15.1 12.2 18.4

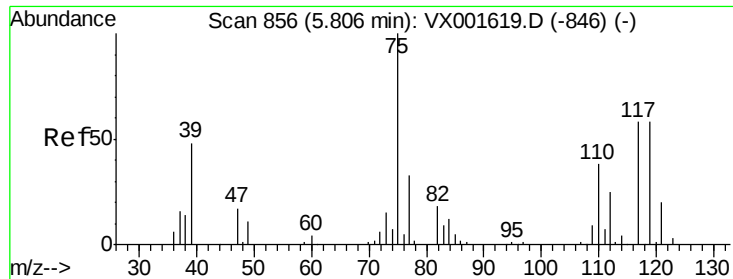


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

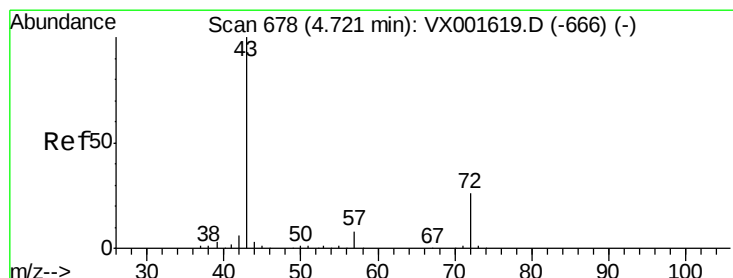
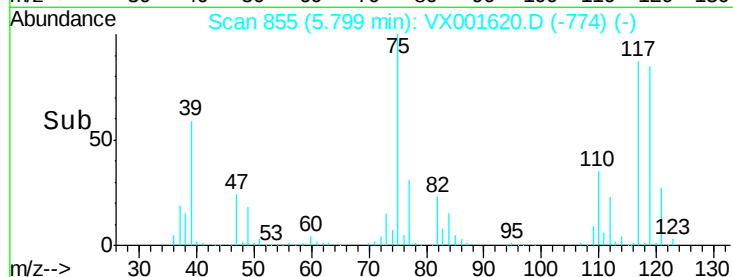
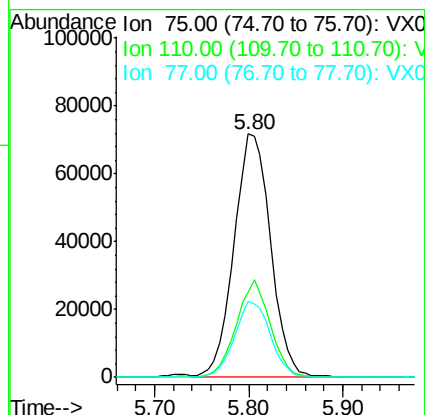
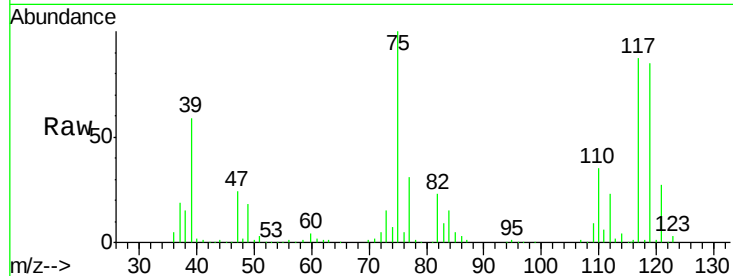




#29
 1,1-Dichloropropene
 Concen: 45.67 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VX001620.D
 Acq: 10 May 2018 23:55

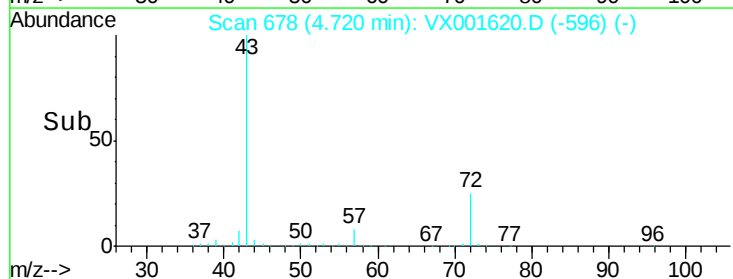
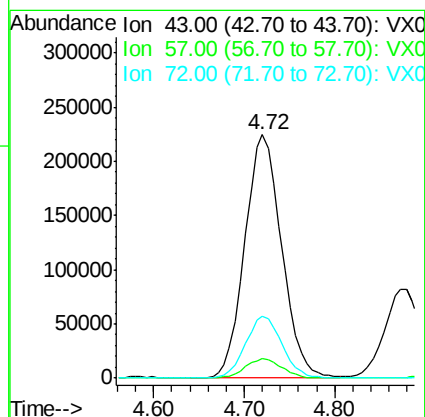
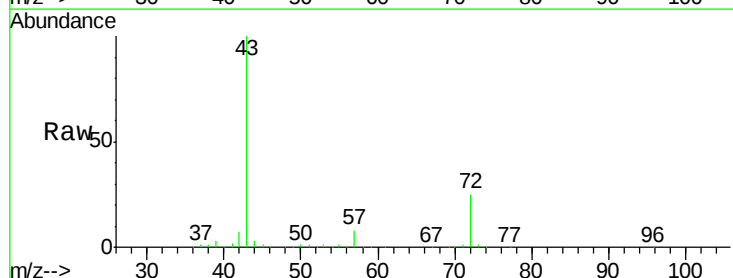
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

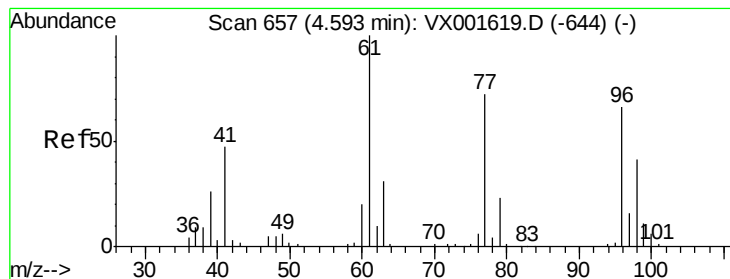
Tgt Ion: 75 Resp: 193171
 Ion Ratio Lower Upper
 75 100
 110 37.5 0.0 74.6
 77 31.1 0.0 62.4



#30
 2-Butanone
 Concen: 278.43 ug/l
 RT: 4.72 min Scan# 678
 Delta R.T. -0.00 min
 Lab File: VX001620.D
 Acq: 10 May 2018 23:55

Tgt Ion: 43 Resp: 631386
 Ion Ratio Lower Upper
 43 100
 57 7.8 6.3 9.5
 72 25.3 20.2 30.4





#31

2,2-Dichloropropane

Concen: 37.39 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX001620.D

Acq: 10 May 2018 23:55

Instrument :

MSVOA_X

ClientSampleId :

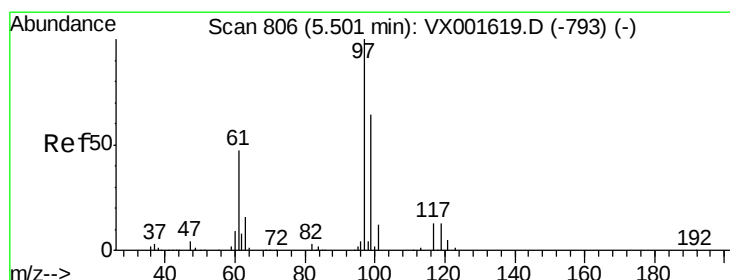
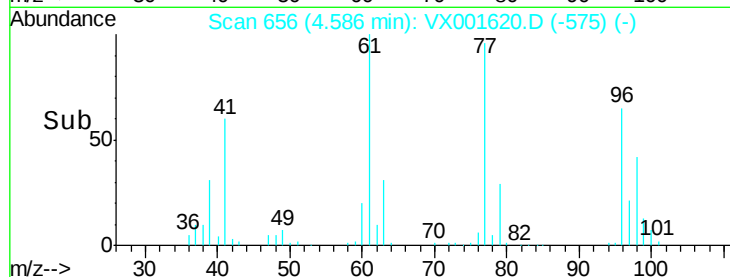
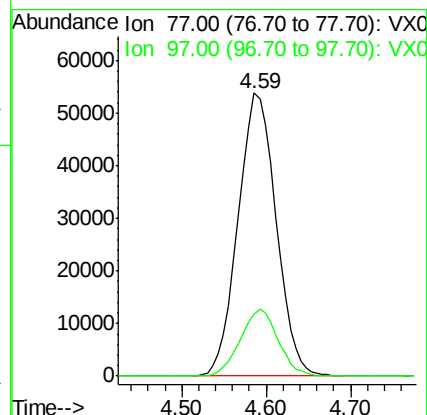
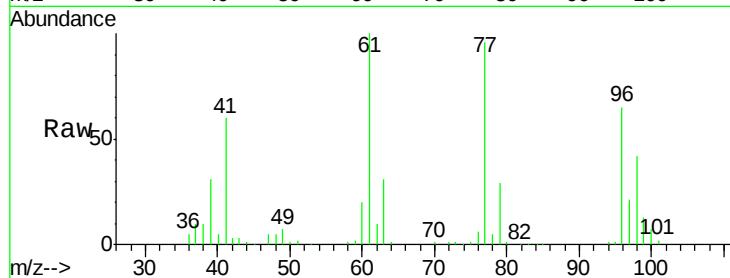
VSTDIC050

Tgt Ion: 77 Resp: 165037

Ion Ratio Lower Upper

77 100

97 23.5 19.3 28.9



#32

1,1,1-Trichloroethane

Concen: 47.38 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX001620.D

Acq: 10 May 2018 23:55

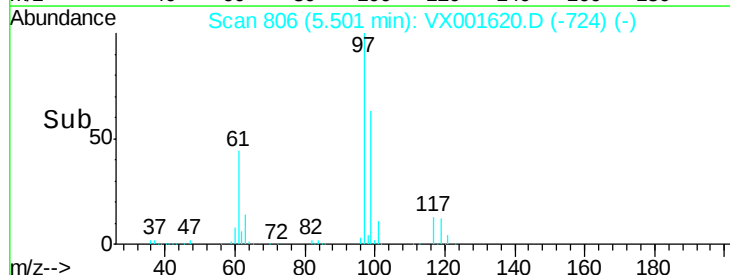
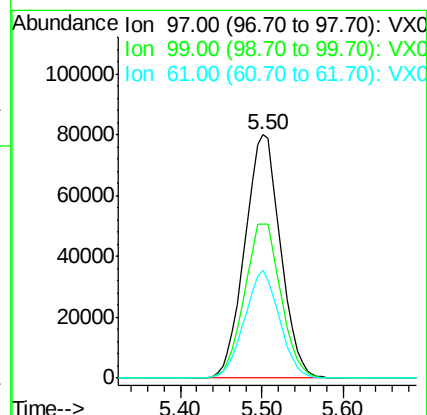
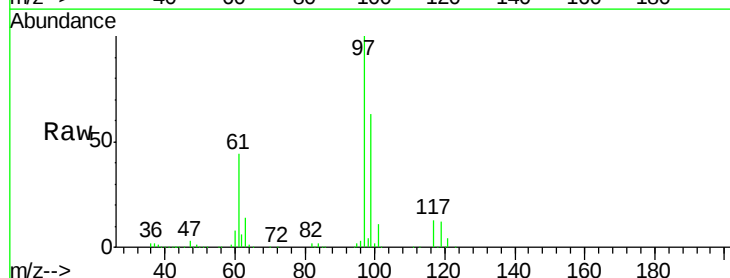
Tgt Ion: 97 Resp: 244285

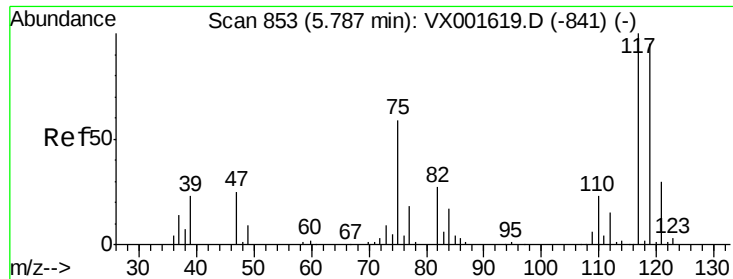
Ion Ratio Lower Upper

97 100

99 64.5 51.7 77.5

61 43.4 35.6 53.4





#33

Carbon Tetrachloride

Concen: 47.10 ug/l

RT: 5.79 min Scan# 853

Delta R.T. -0.00 min

Lab File: VX001620.D

Acq: 10 May 2018 23:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

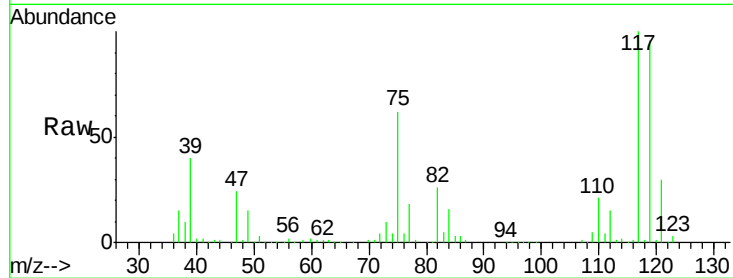
Tgt Ion:117 Resp: 219047

Ion Ratio Lower Upper

117 100

119 96.2 75.7 113.5

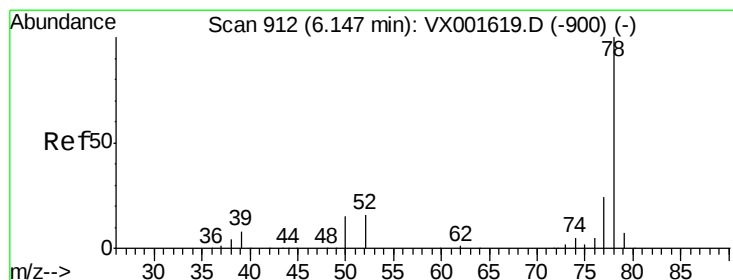
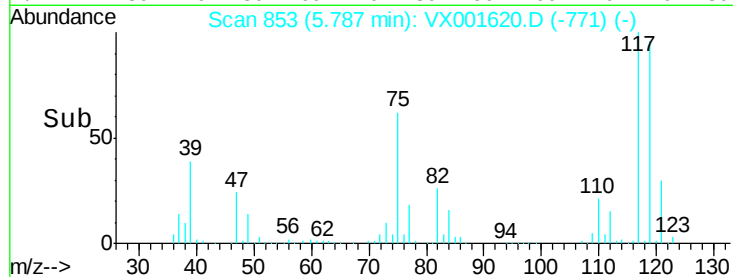
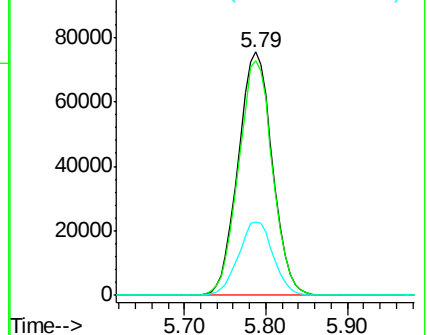
121 30.1 24.3 36.5



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: 48.04 ug/l

RT: 6.15 min Scan# 912

Delta R.T. -0.00 min

Lab File: VX001620.D

Acq: 10 May 2018 23:55

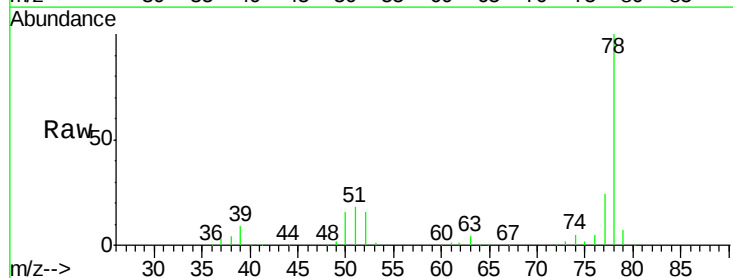
Tgt Ion: 78 Resp: 607196

Ion Ratio Lower Upper

78 100

77 24.4 18.8 28.2

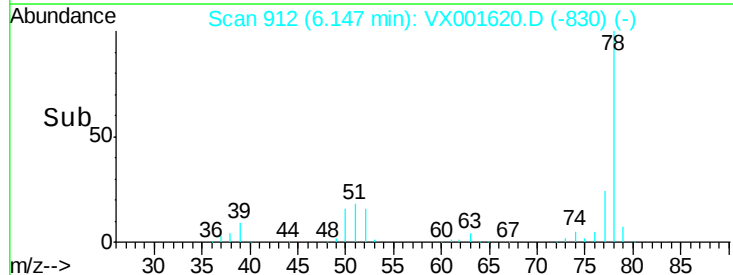
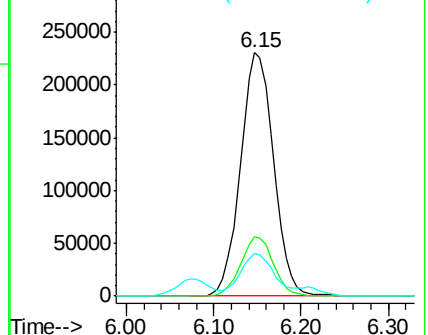
51 17.4 13.5 20.3

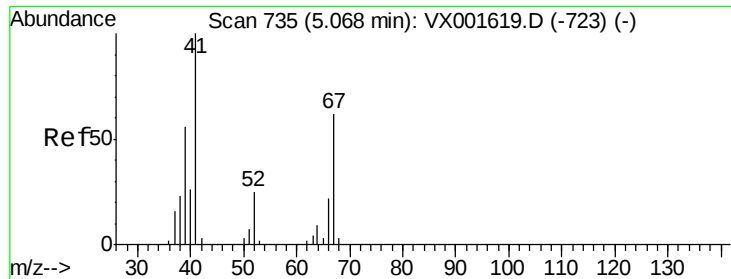


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

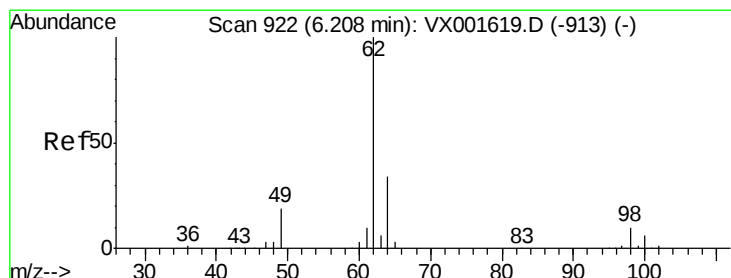
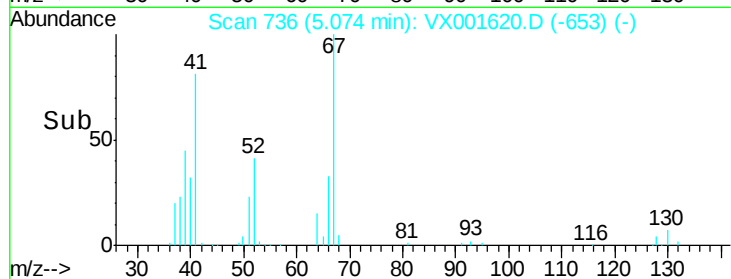
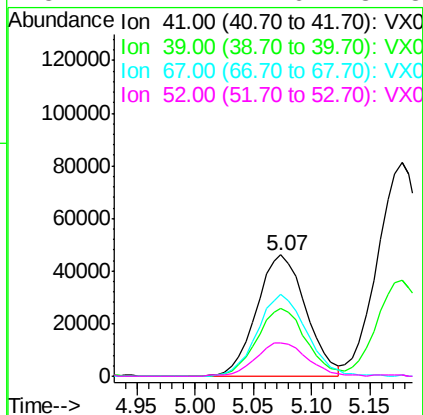
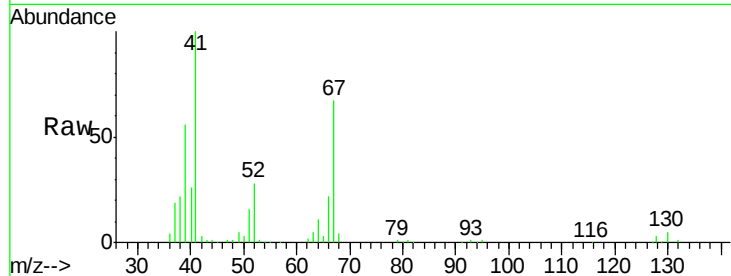




#35
Methacrylonitrile
Concen: 53.63 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.01 min
Lab File: VX001620.D
Acq: 10 May 2018 23:55

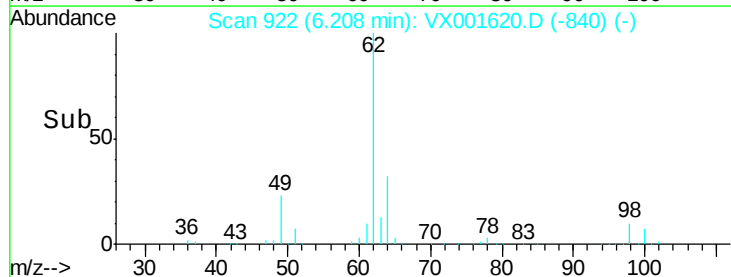
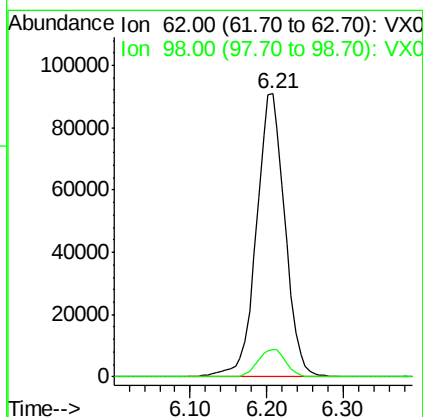
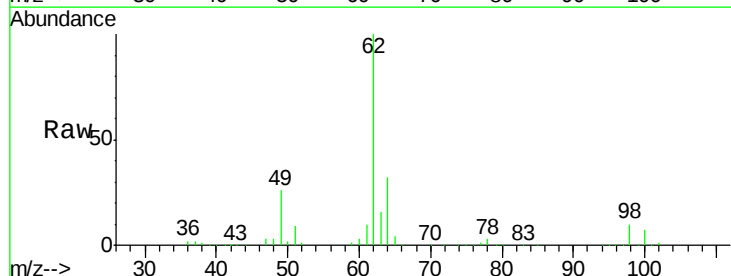
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

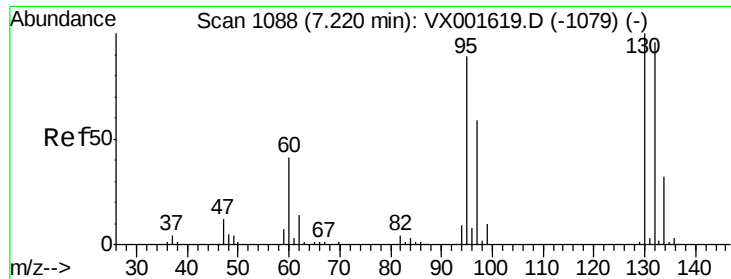
Tgt Ion:	41	Resp:	134538
Ion	Ratio	Lower	Upper
41	100		
39	55.5	27.9	83.6
67	67.6	30.9	92.5
52	27.7	12.6	37.8



#36
1,2-Dichloroethane
Concen: 48.24 ug/l
RT: 6.21 min Scan# 922
Delta R.T. -0.00 min
Lab File: VX001620.D
Acq: 10 May 2018 23:55

Tgt Ion:	62	Resp:	236460
Ion	Ratio	Lower	Upper
62	100		
98	9.6	7.7	11.5

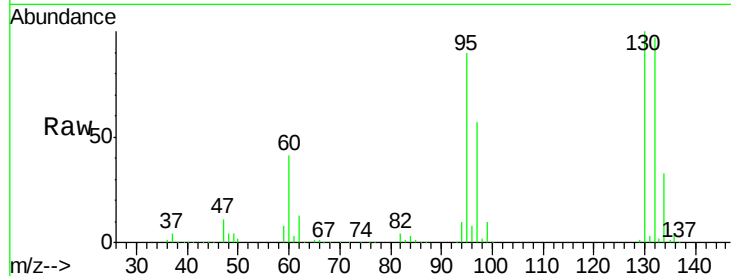




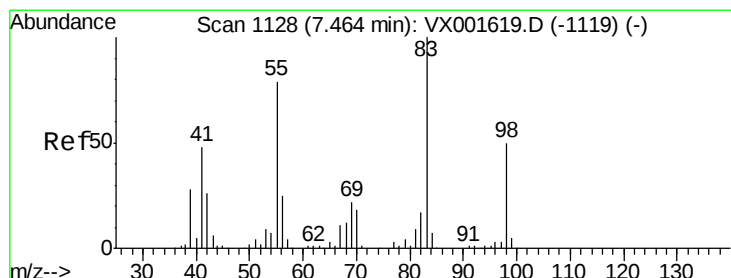
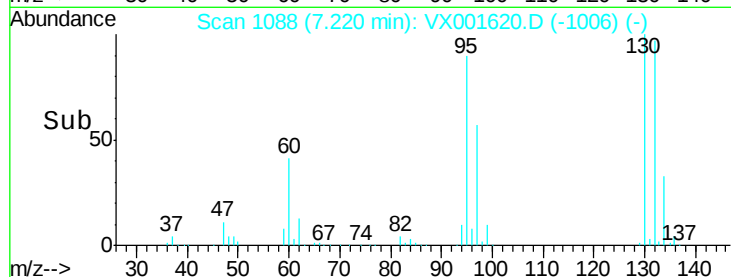
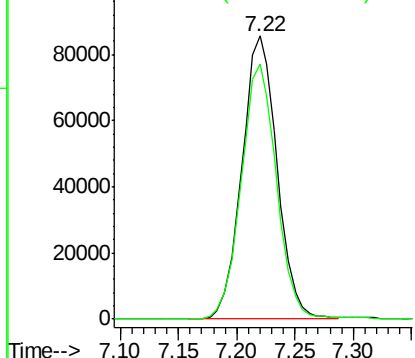
#37
 Trichloroethene
 Concen: 47.07 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX001620.D
 Acq: 10 May 2018 23:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tgt Ion:130 Resp: 179988
 Ion Ratio Lower Upper
 130 100
 95 90.3 71.4 107.2

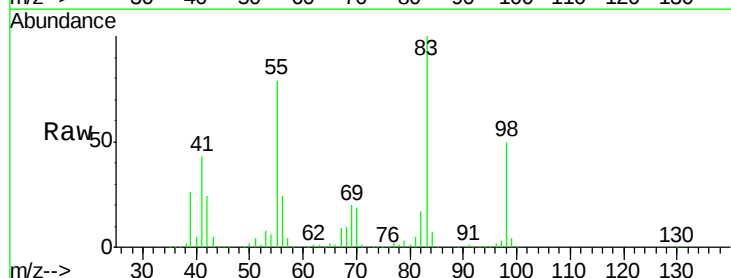


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

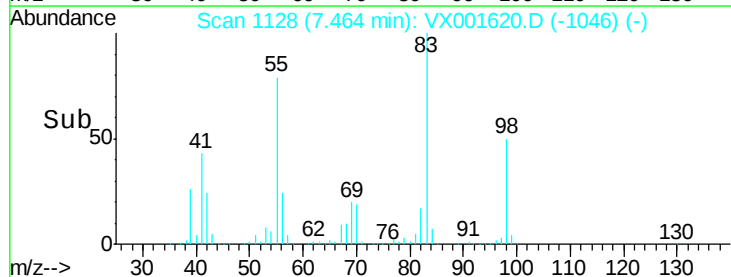
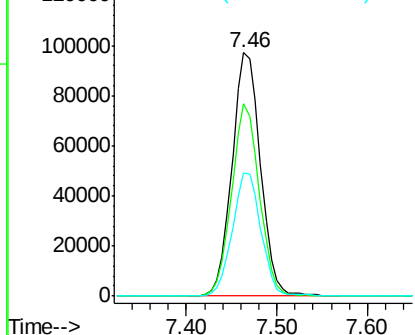


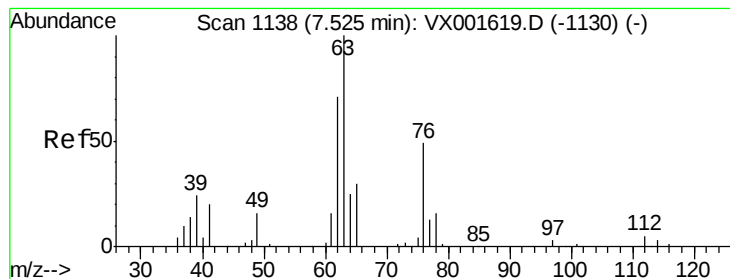
#38
 Methylcyclohexane
 Concen: 43.32 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VX001620.D
 Acq: 10 May 2018 23:55

Tgt Ion: 83 Resp: 211985
 Ion Ratio Lower Upper
 83 100
 55 76.4 39.6 118.7
 98 50.7 25.0 75.0



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





#39

1,2-Dichloropropane

Concen: 47.17 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VX001620.D

Acq: 10 May 2018 23:55

Instrument :

MSVOA_X

ClientSampleId :

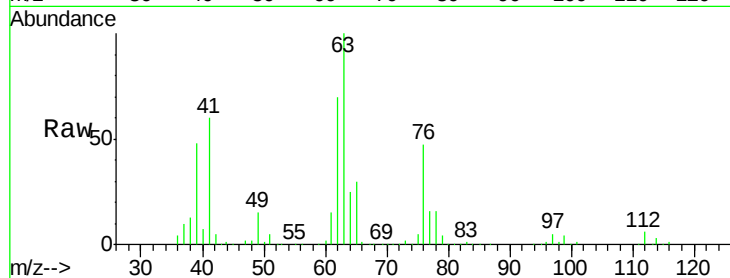
VSTDIC050

Tgt Ion: 63 Resp: 151113

Ion Ratio Lower Upper

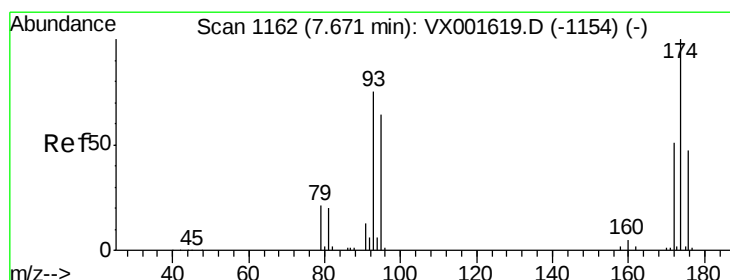
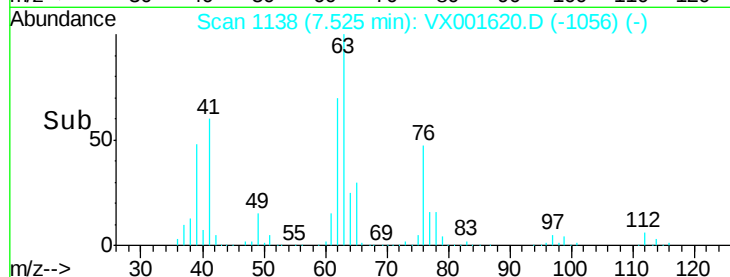
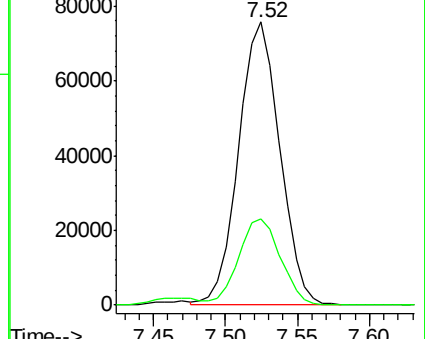
63 100

65 30.3 25.3 37.9



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0



#40

Dibromomethane

Concen: 48.04 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VX001620.D

Acq: 10 May 2018 23:55

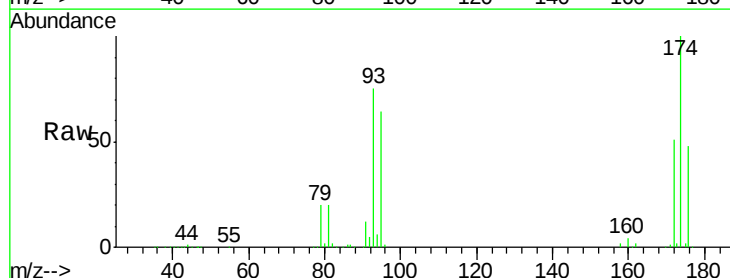
Tgt Ion: 93 Resp: 108694

Ion Ratio Lower Upper

93 100

95 82.6 0.0 166.2

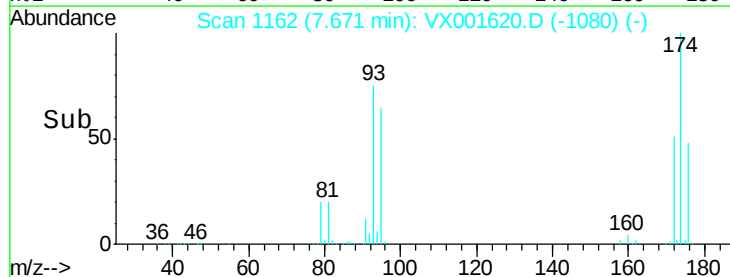
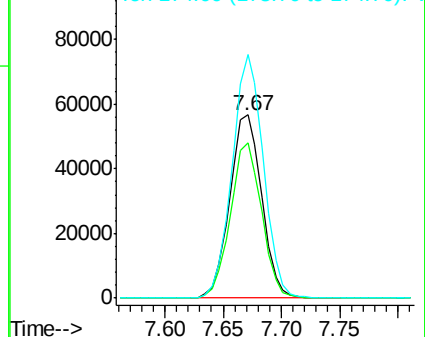
174 129.7 0.0 259.2

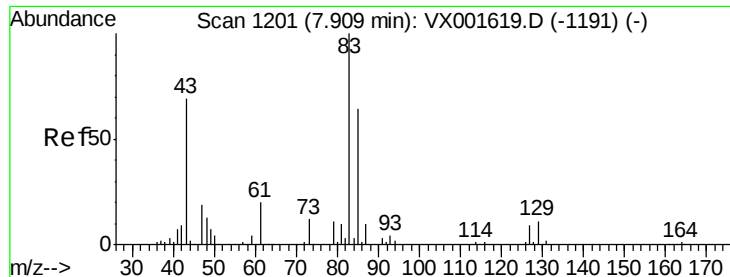


Abundance Ion 93.00 (92.70 to 93.70): VX0

Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 48.54 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VX001620.D

Acq: 10 May 2018 23:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

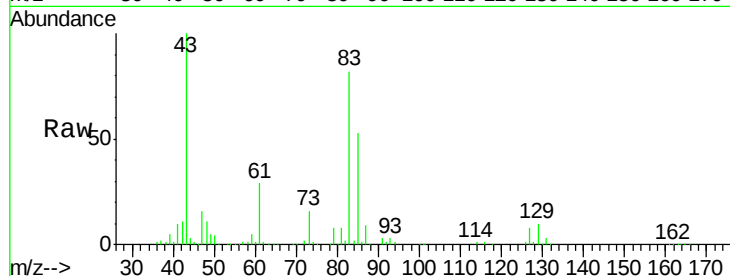
Tgt Ion: 83 Resp: 207313

Ion Ratio Lower Upper

83 100

85 64.4 51.3 76.9

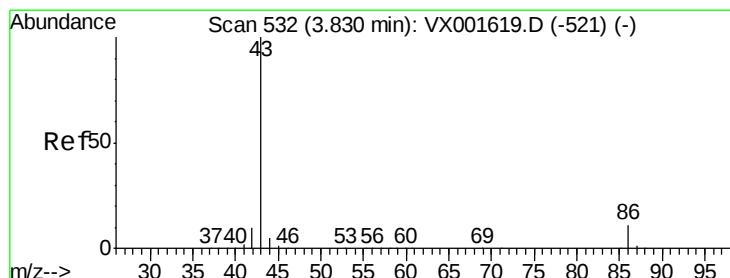
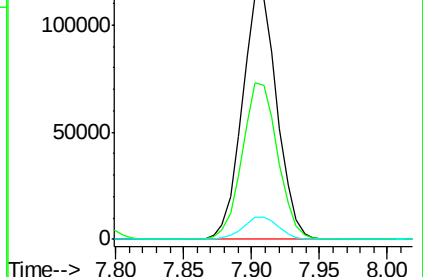
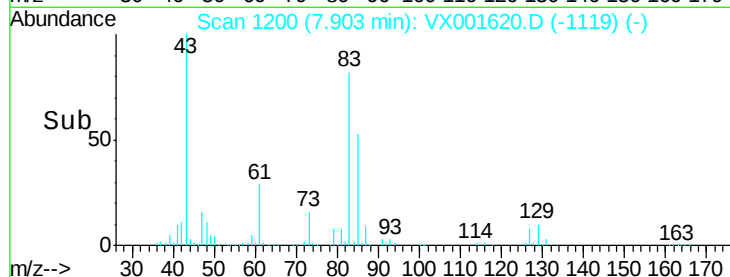
127 9.2 7.5 11.3



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: 242.48 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX001620.D

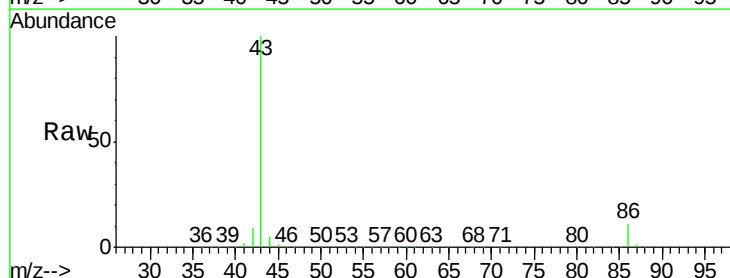
Acq: 10 May 2018 23:55

Tgt Ion: 43 Resp: 2080727

Ion Ratio Lower Upper

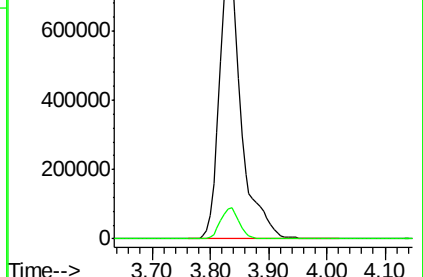
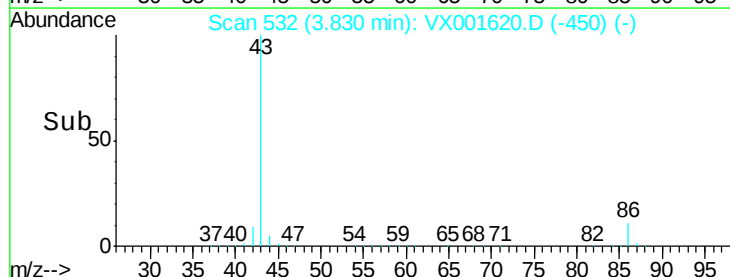
43 100

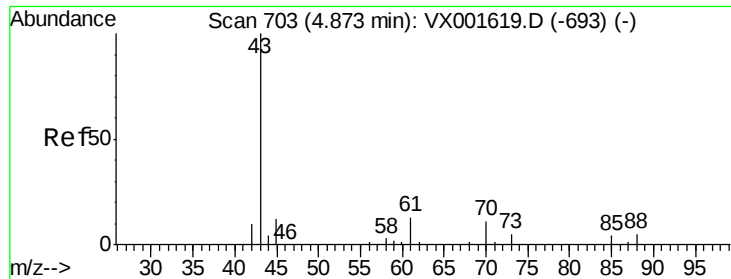
86 9.6 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

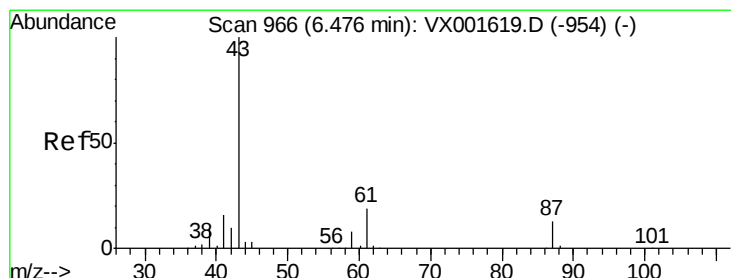
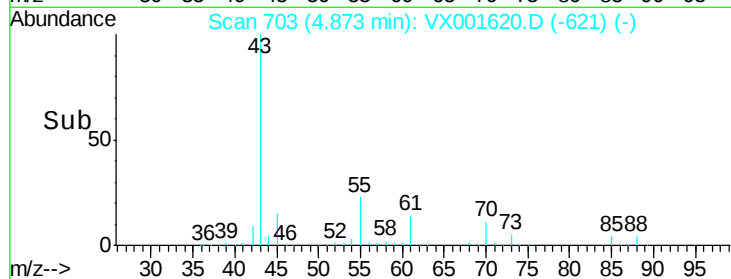
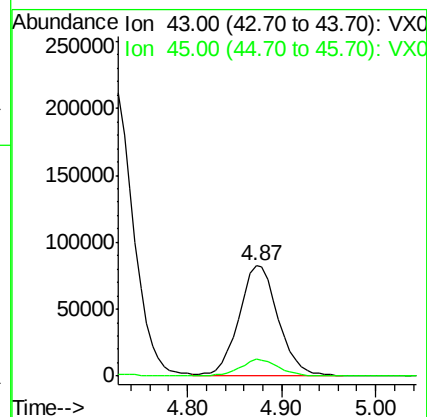
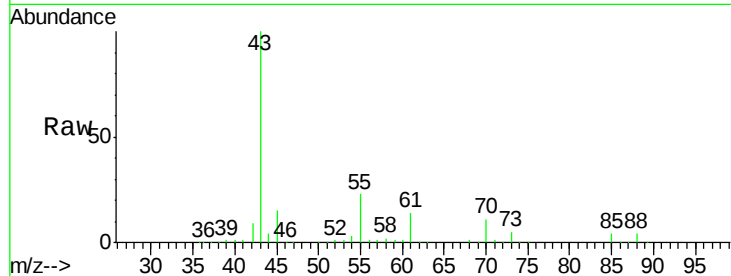




#43
Ethyl Acetate
Concen: 54.27 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.00 min
Lab File: VX001620.D
Acq: 10 May 2018 23:55

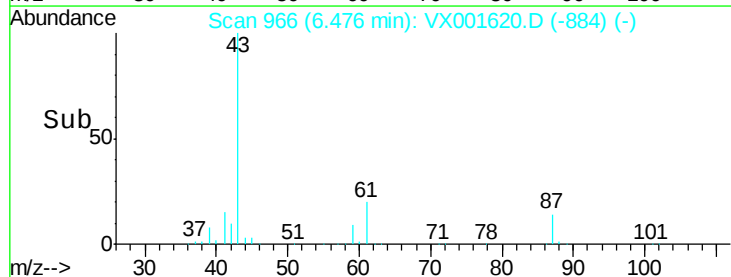
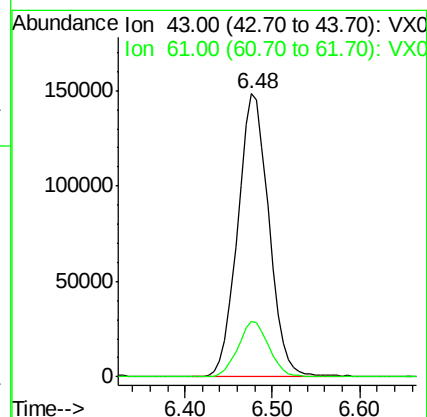
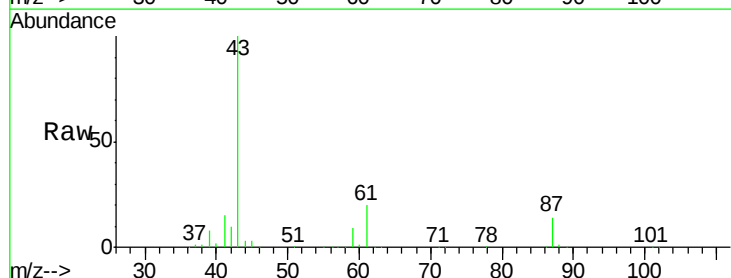
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

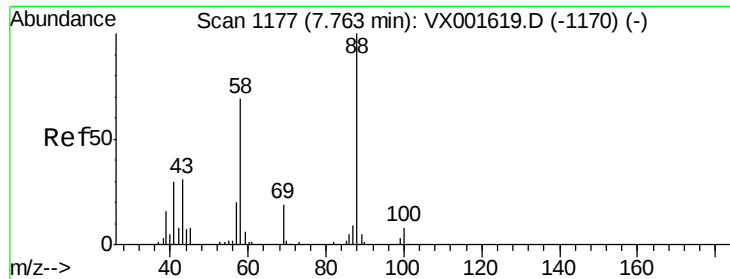
Tgt Ion: 43 Resp: 237839
Ion Ratio Lower Upper
43 100
45 15.3 12.7 19.1



#44
Isopropyl Acetate
Concen: 50.48 ug/l
RT: 6.48 min Scan# 966
Delta R.T. -0.00 min
Lab File: VX001620.D
Acq: 10 May 2018 23:55

Tgt Ion: 43 Resp: 366376
Ion Ratio Lower Upper
43 100
61 19.5 15.1 22.7

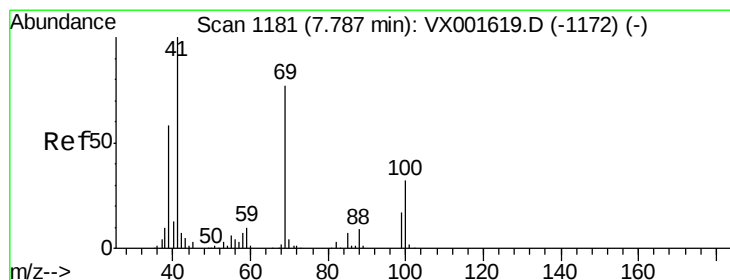
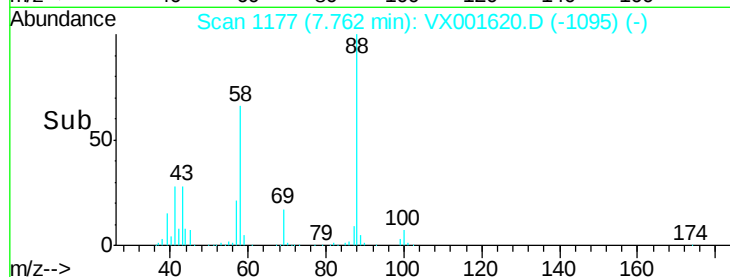
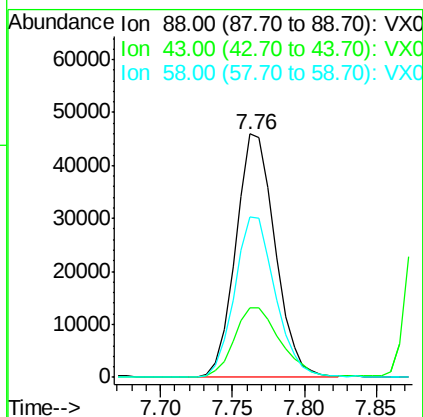
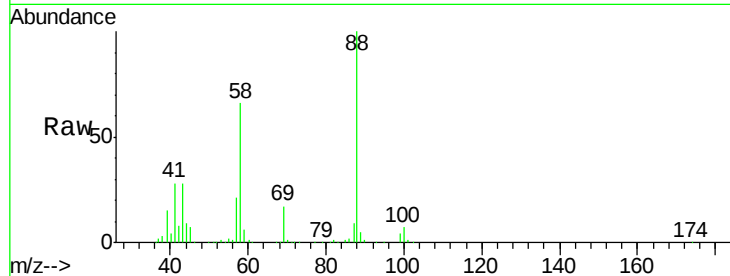




#45
 1,4-Dioxane
 Concen: 1236.98 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. -0.00 min
 Lab File: VX001620.D
 Acq: 10 May 2018 23:55

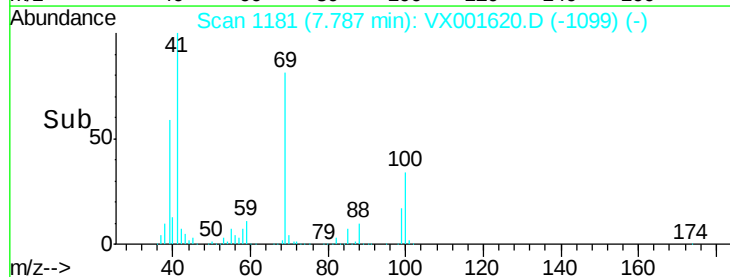
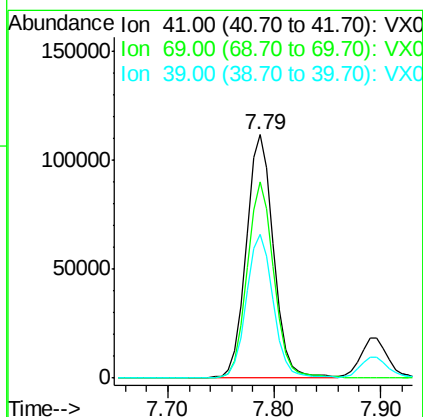
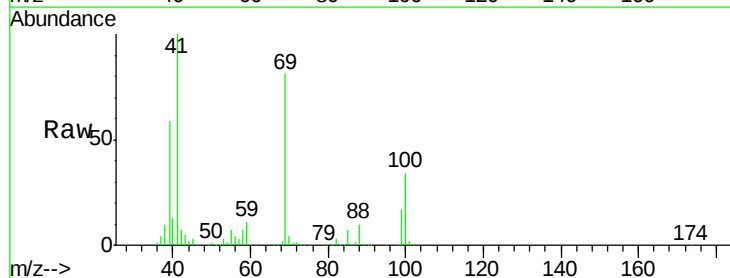
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

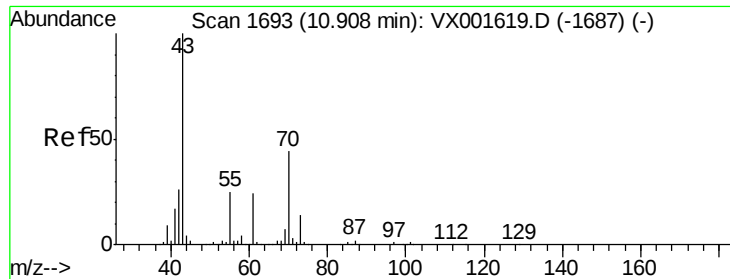
Tgt Ion: 88 Resp: 87330
 Ion Ratio Lower Upper
 88 100
 43 33.2 27.9 41.9
 58 67.4 55.3 82.9



#46
 Methyl methacrylate
 Concen: 52.64 ug/l
 RT: 7.79 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VX001620.D
 Acq: 10 May 2018 23:55

Tgt Ion: 41 Resp: 200662
 Ion Ratio Lower Upper
 41 100
 69 80.7 38.4 115.2
 39 59.2 29.0 87.1

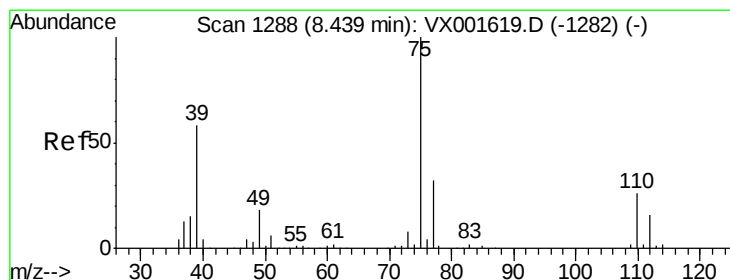
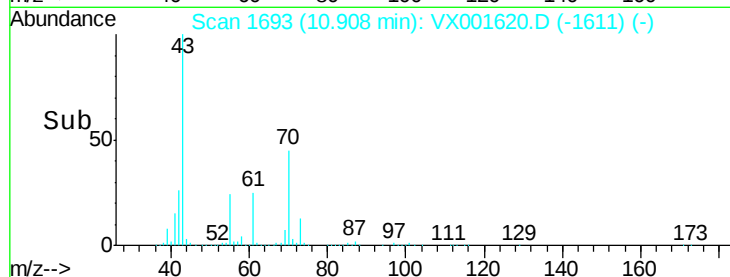
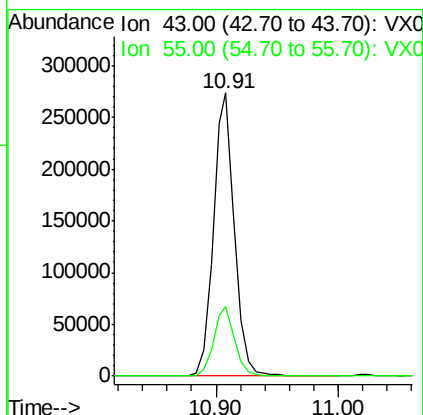
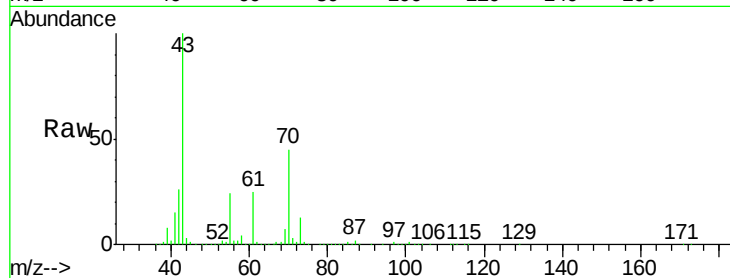




#47
n-amyl Acetate
Concen: 47.57 ug/l
RT: 10.91 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VX001620.D
Acq: 10 May 2018 23:55

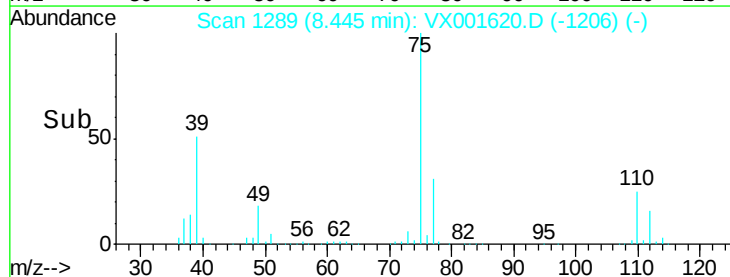
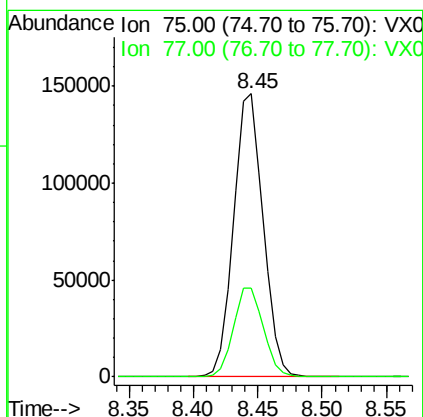
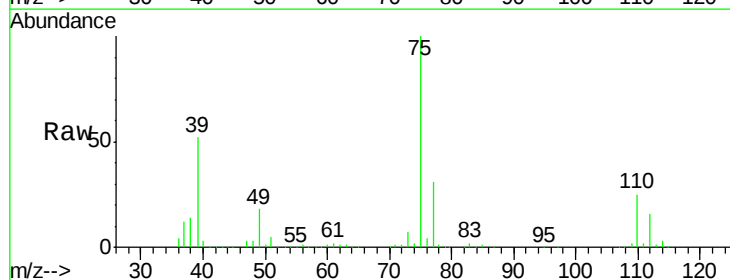
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

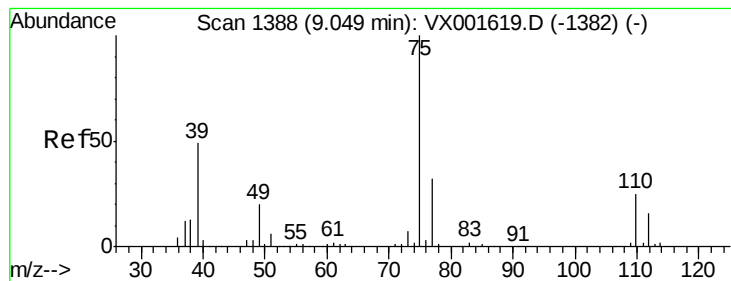
Tgt Ion: 43 Resp: 325659
Ion Ratio Lower Upper
43 100
55 24.8 20.8 31.2



#48
t-1,3-Dichloropropene
Concen: 46.96 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. 0.01 min
Lab File: VX001620.D
Acq: 10 May 2018 23:55

Tgt Ion: 75 Resp: 233589
Ion Ratio Lower Upper
75 100
77 31.5 25.5 38.3



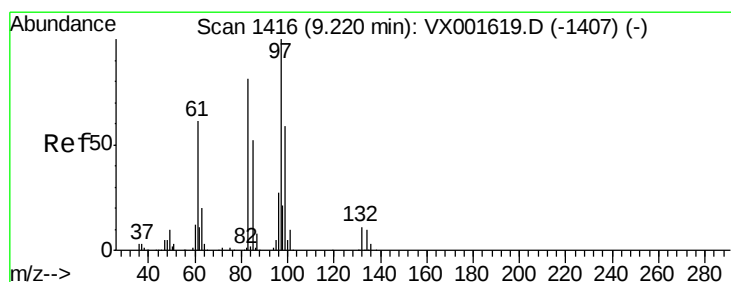
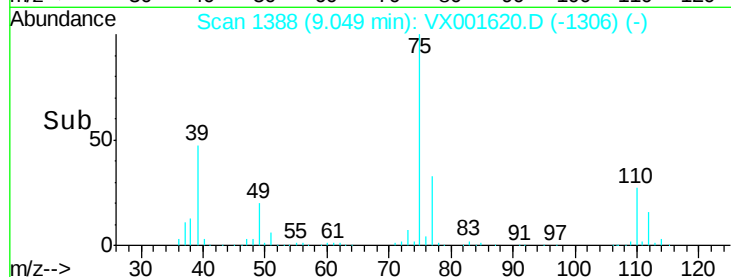
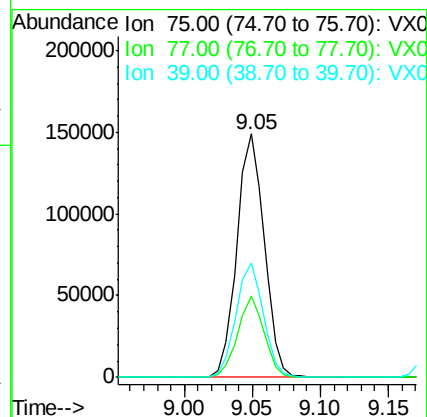
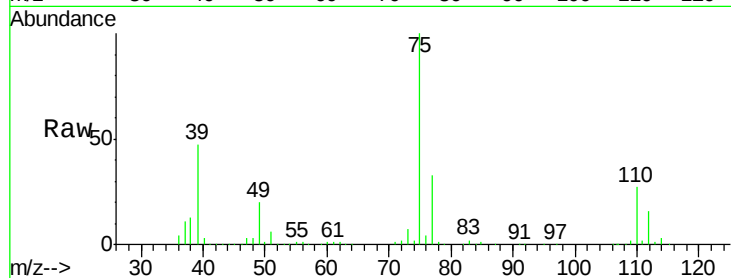


#49

cis-1,3-Dichloropropene
Concen: 44.61 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX001620.D
Acq: 10 May 2018 23:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

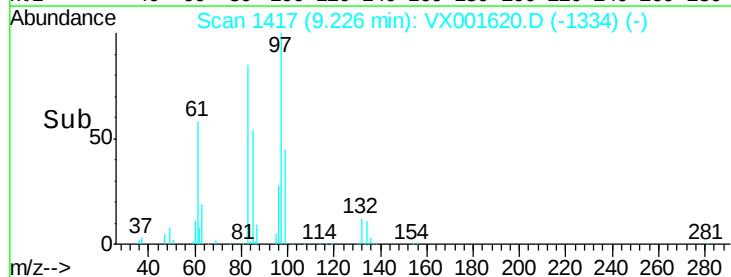
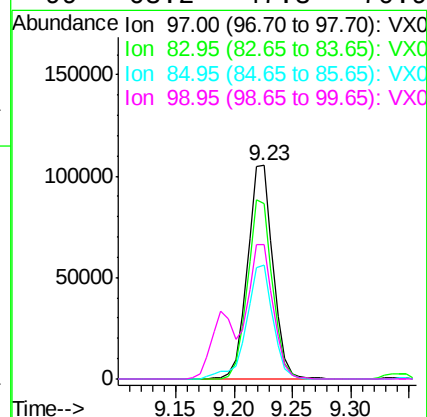
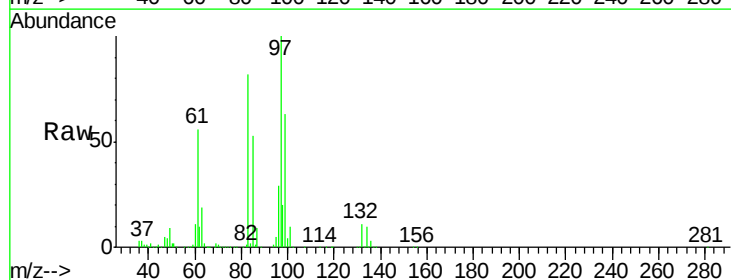
Tgt Ion:	75	Resp:	209215
Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.8	38.6
39	46.8	39.4	59.0

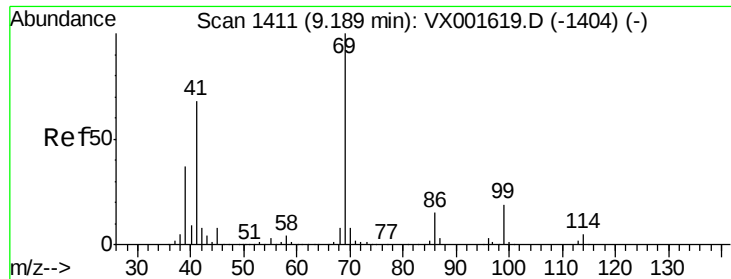


#50

1,1,2-Trichloroethane
Concen: 47.74 ug/l
RT: 9.23 min Scan# 1417
Delta R.T. 0.01 min
Lab File: VX001620.D
Acq: 10 May 2018 23:55

Tgt Ion:	97	Resp:	160552
Ion	Ratio	Lower	Upper
97	100		
83	82.0	65.0	97.6
85	53.2	41.5	62.3
99	63.2	47.3	70.9

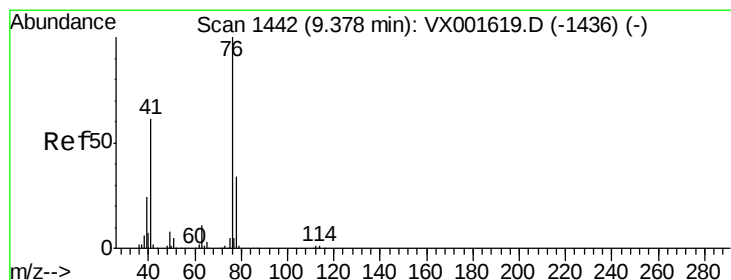
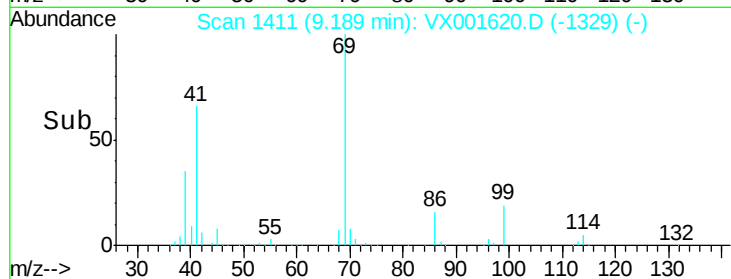
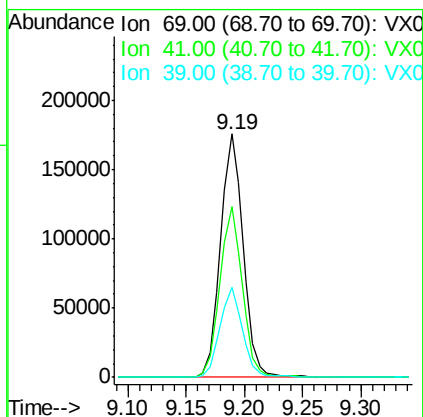
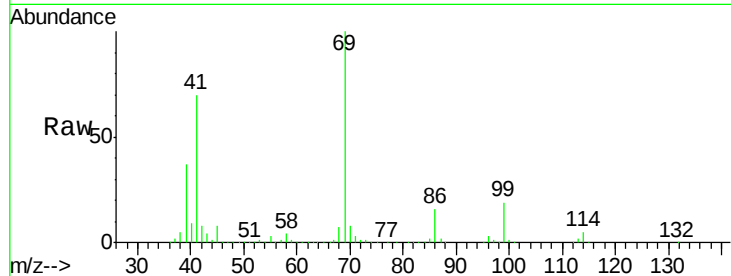




#51
Ethyl methacrylate
Concen: 49.41 ug/l
RT: 9.19 min Scan# 1411
Delta R.T. -0.00 min
Lab File: VX001620.D
Acq: 10 May 2018 23:55

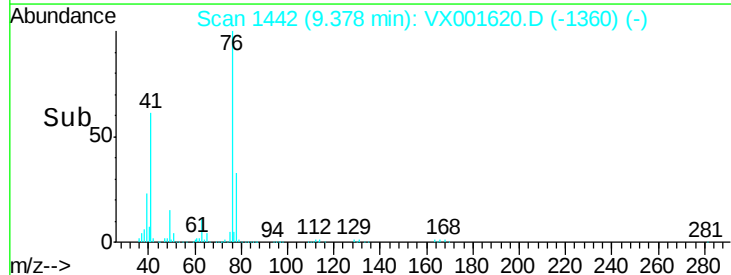
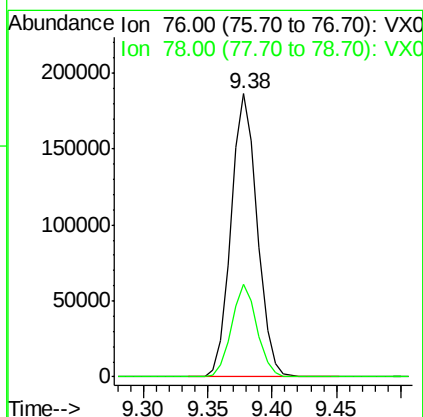
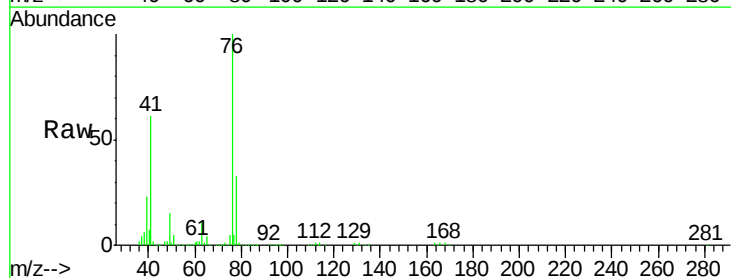
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

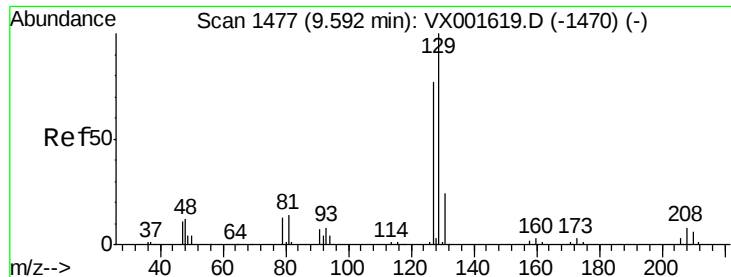
Tgt Ion: 69 Resp: 236489
Ion Ratio Lower Upper
69 100
41 70.0 33.9 101.6
39 36.9 18.4 55.2



#52
1,3-Dichloropropane
Concen: 48.74 ug/l
RT: 9.38 min Scan# 1442
Delta R.T. -0.00 min
Lab File: VX001620.D
Acq: 10 May 2018 23:55

Tgt Ion: 76 Resp: 265641
Ion Ratio Lower Upper
76 100
78 32.0 0.0 65.8





#53

Dibromochloromethane

Concen: 46.84 ug/l

RT: 9.59 min Scan# 1477

Delta R.T. -0.00 min

Lab File: VX001620.D

Acq: 10 May 2018 23:55

Instrument :

MSVOA_X

ClientSampleId :

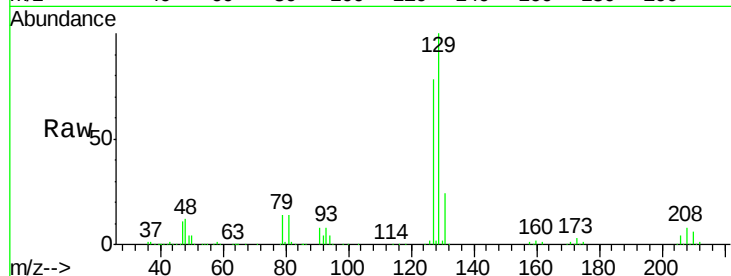
VSTDIC050

Tgt Ion:129 Resp: 172282

Ion Ratio Lower Upper

129 100

127 77.0 37.9 113.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

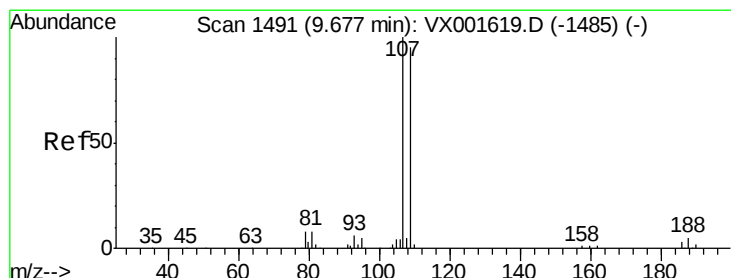
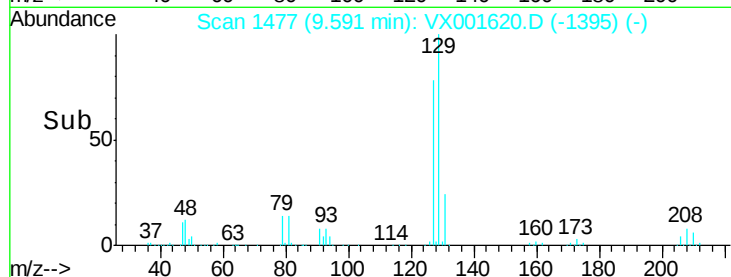
9.59

100000

50000

0

Time--> 9.50 9.55 9.60 9.65 9.70



#54

1,2-Dibromoethane

Concen: 47.30 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX001620.D

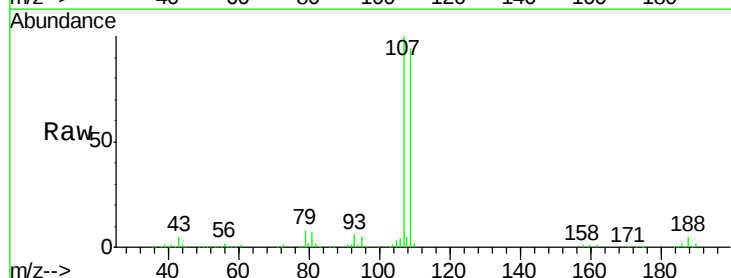
Acq: 10 May 2018 23:55

Tgt Ion:107 Resp: 170844

Ion Ratio Lower Upper

107 100

109 95.4 75.0 112.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

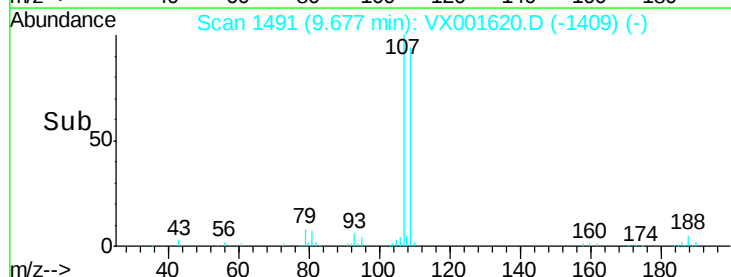
9.68

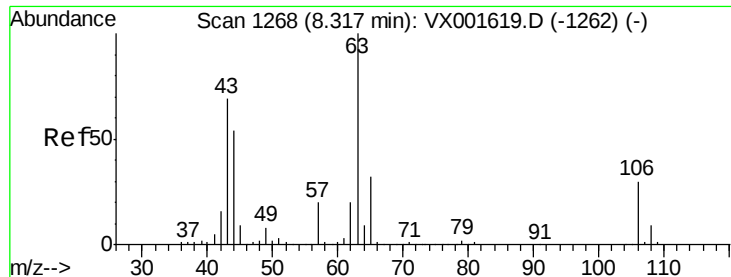
100000

50000

0

Time--> 9.60 9.65 9.70 9.75

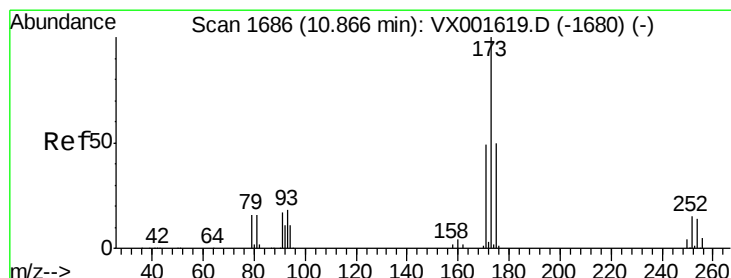
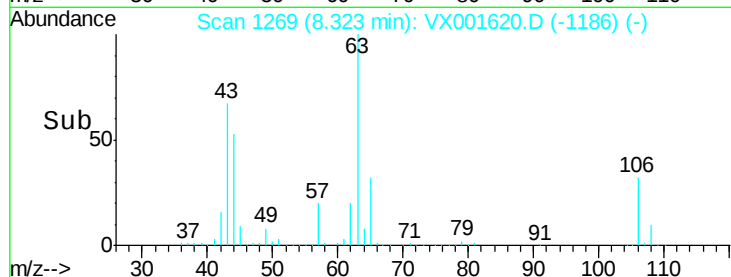
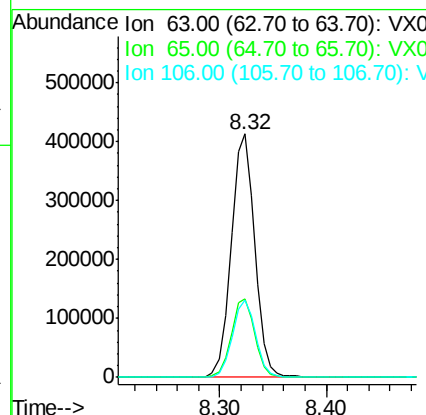
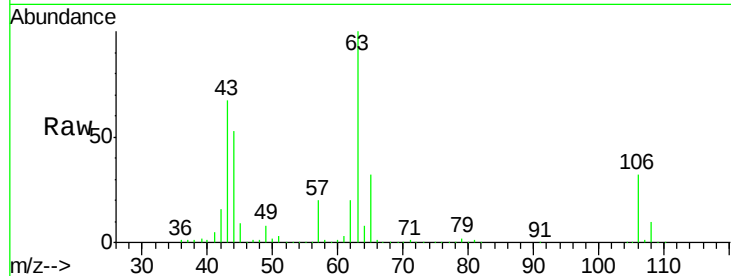




#55
 2-Chloroethyl vinyl ether
 Concen: 267.91 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. 0.01 min
 Lab File: VX001620.D
 Acq: 10 May 2018 23:55

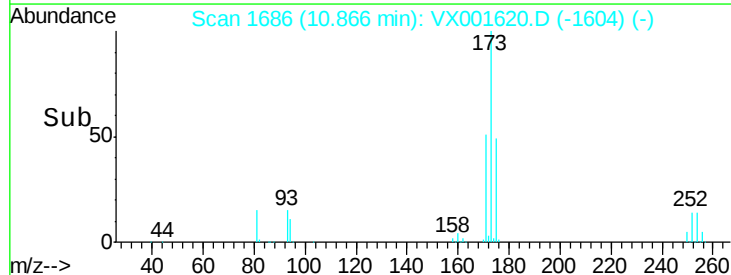
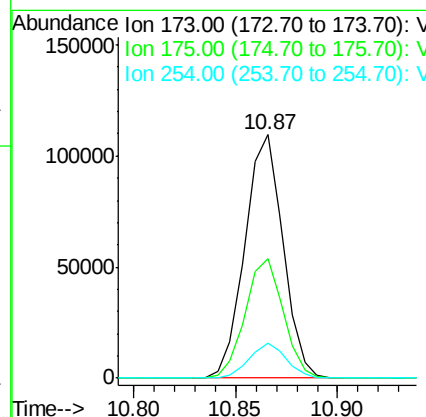
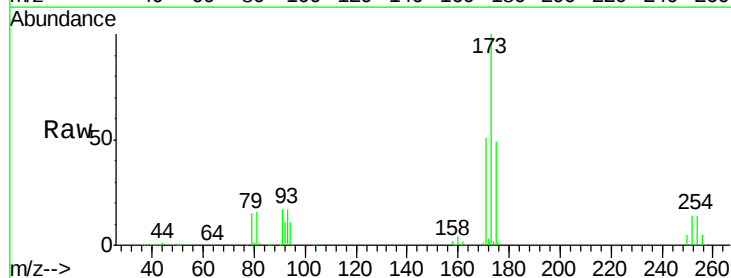
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

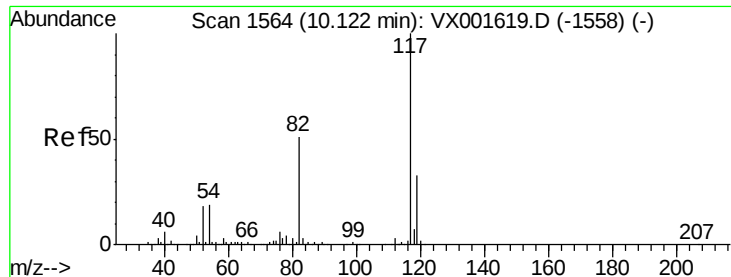
Tgt Ion: 63 Resp: 638725
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.8 38.8
 106 31.4 24.8 37.2



#56
 Bromoform
 Concen: 47.18 ug/l
 RT: 10.87 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VX001620.D
 Acq: 10 May 2018 23:55

Tgt Ion: 173 Resp: 142289
 Ion Ratio Lower Upper
 173 100
 175 49.1 39.8 59.8
 254 14.0 10.7 16.1

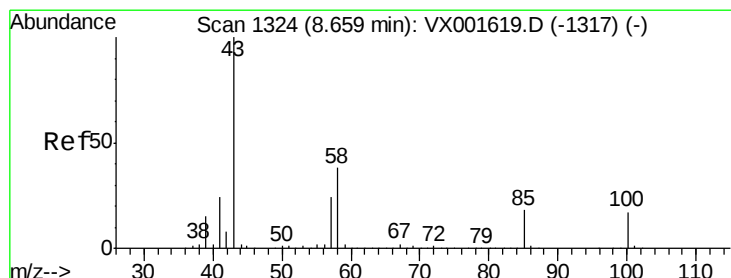
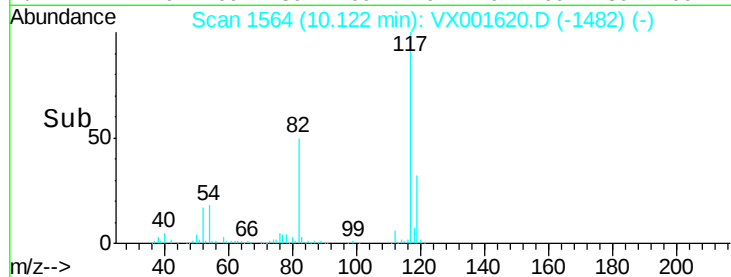
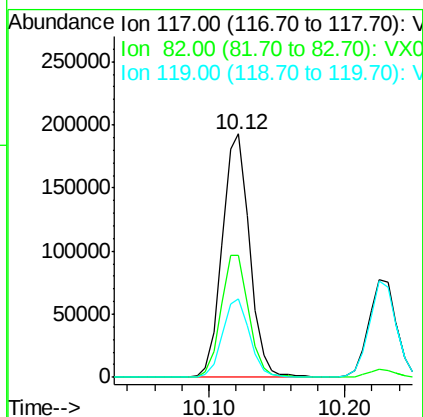
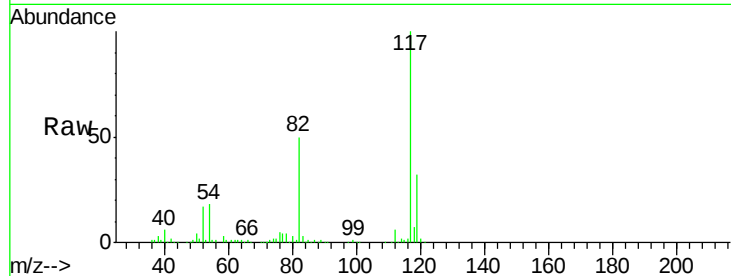




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX001620.D
Acq: 10 May 2018 23:55

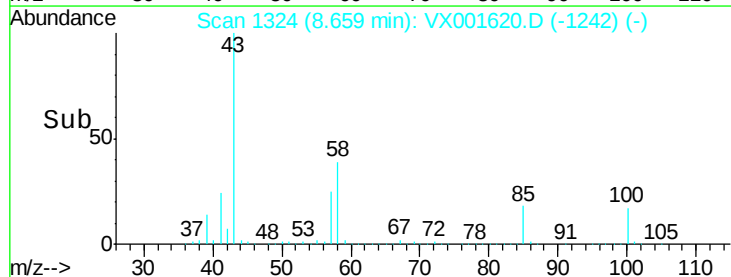
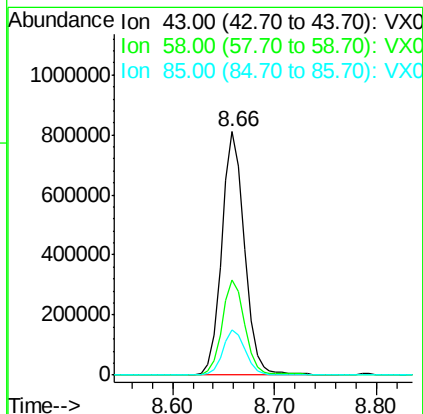
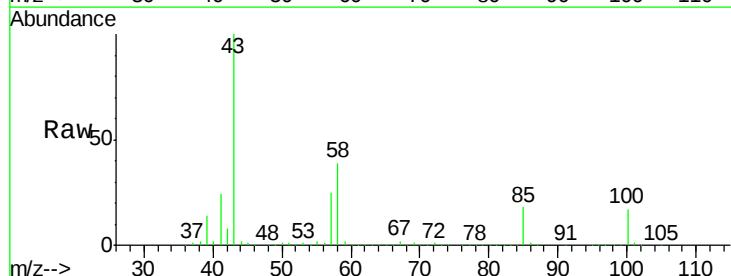
Instrument :
MSVOA_X
ClientSampled :
VSTDIC050

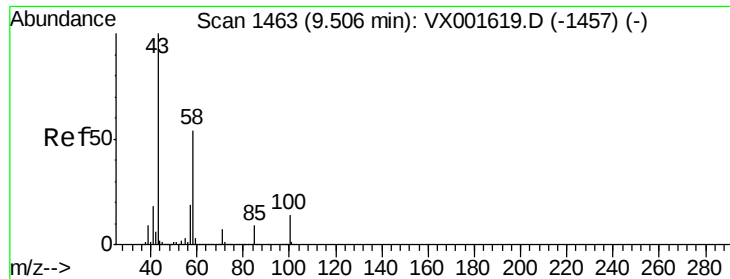
Tgt Ion: 117 Resp: 269490
Ion Ratio Lower Upper
117 100
82 51.2 42.2 63.2
119 32.0 26.3 39.5



#58
4-Methyl-2-Pentanone
Concen: 273.78 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VX001620.D
Acq: 10 May 2018 23:55

Tgt Ion: 43 Resp: 1263633
Ion Ratio Lower Upper
43 100
58 38.8 30.4 45.6
85 18.3 14.3 21.5

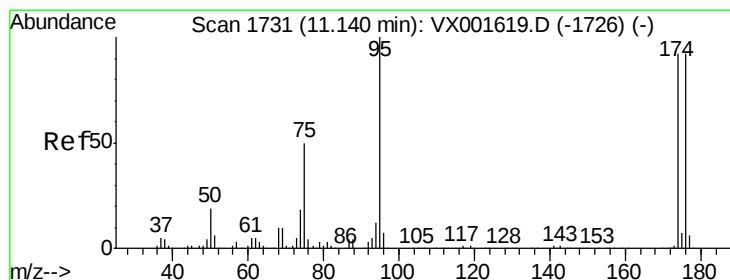
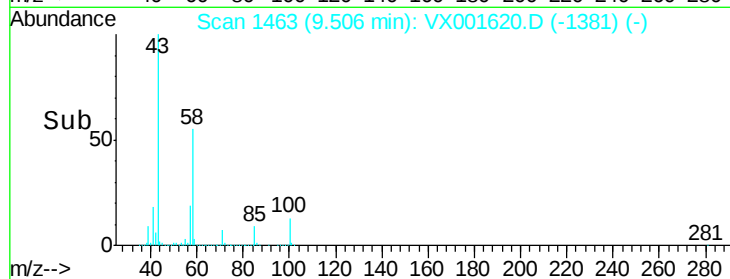
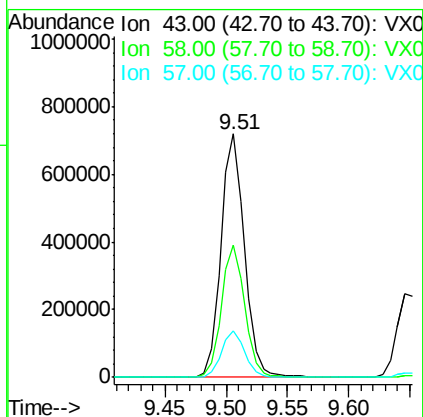
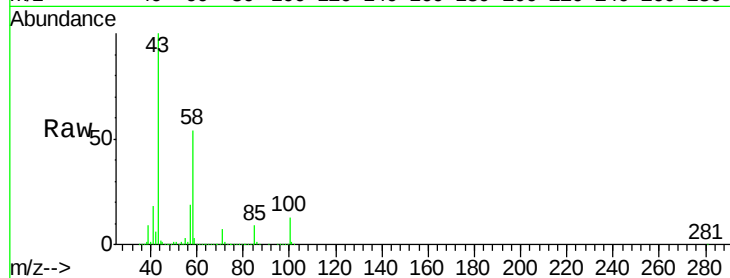




#59
2-Hexanone
Concen: 267.94 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX001620.D
Acq: 10 May 2018 23:55

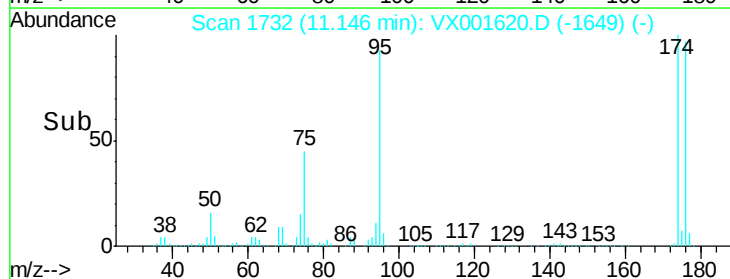
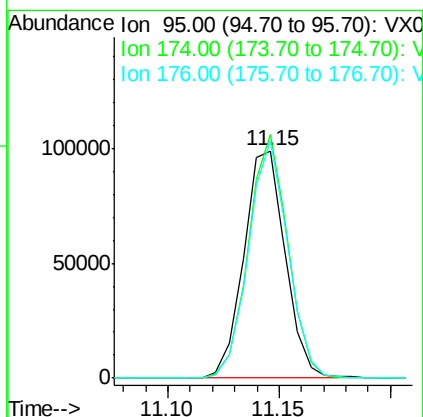
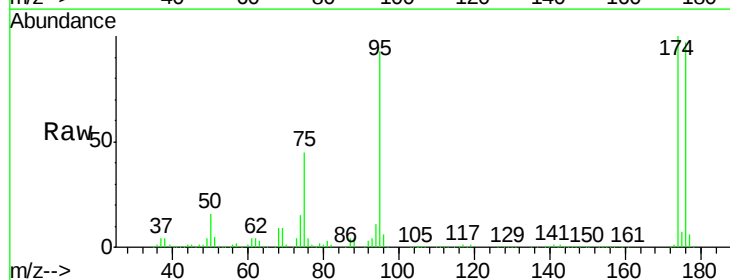
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

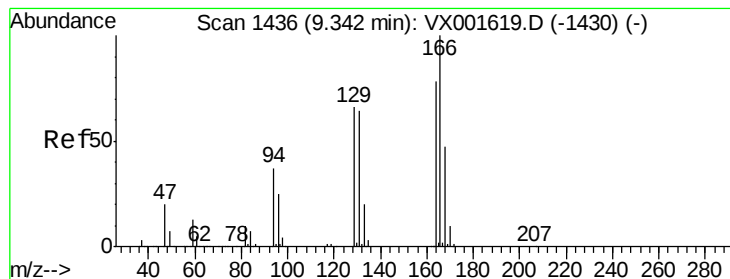
Tgt Ion: 43 Resp: 957161
Ion Ratio Lower Upper
43 100
58 54.2 43.0 64.4
57 19.0 15.4 23.0



#60
4-Bromofluorobenzene
Concen: 28.77 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.01 min
Lab File: VX001620.D
Acq: 10 May 2018 23:55

Tgt Ion: 95 Resp: 129140
Ion Ratio Lower Upper
95 100
174 101.2 80.2 120.2
176 98.7 79.2 118.8





#61

Tetrachloroethene

Concen: 50.54 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX001620.D

Acq: 10 May 2018 23:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tgt Ion:164 Resp: 207884

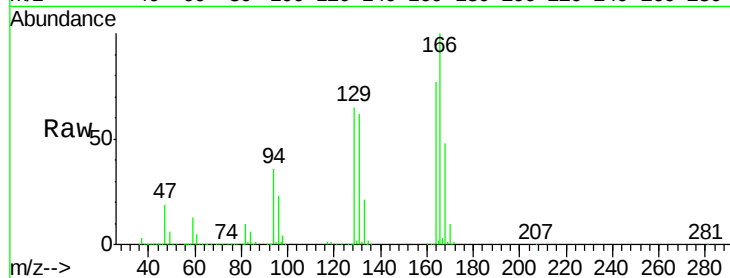
Ion Ratio Lower Upper

164 100

166 130.2 102.8 154.2

129 85.3 67.8 101.8

131 81.4 66.2 99.2

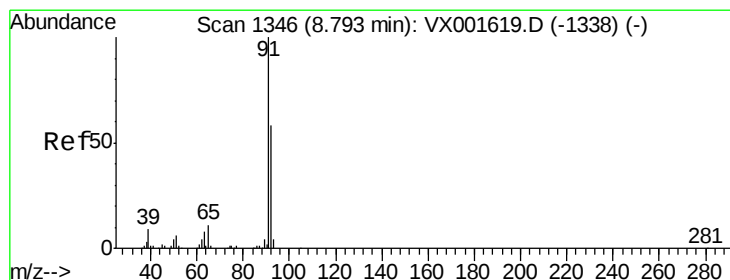
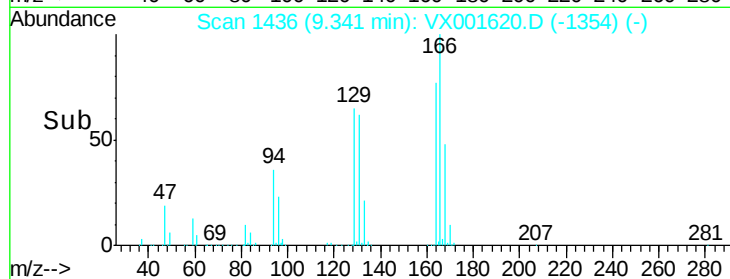
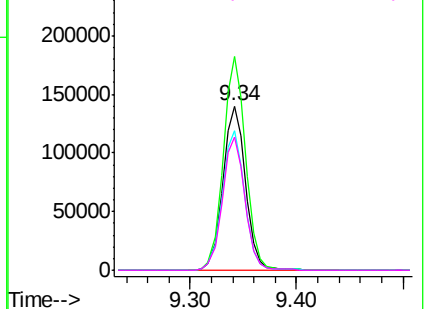


Abundance Ion 163.85 (163.55 to 164.55): V

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: 46.59 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX001620.D

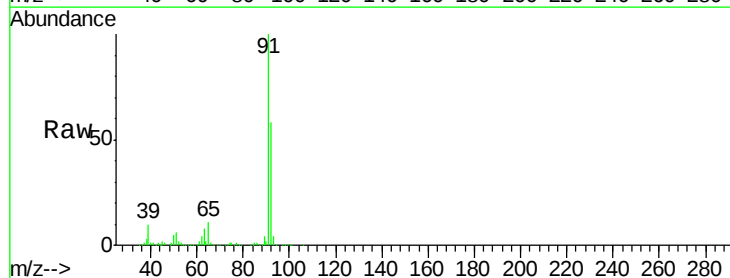
Acq: 10 May 2018 23:55

Tgt Ion: 91 Resp: 669880

Ion Ratio Lower Upper

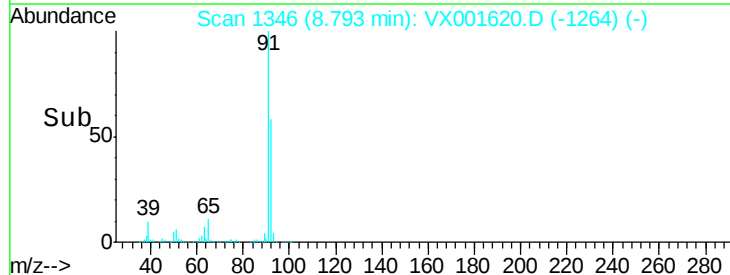
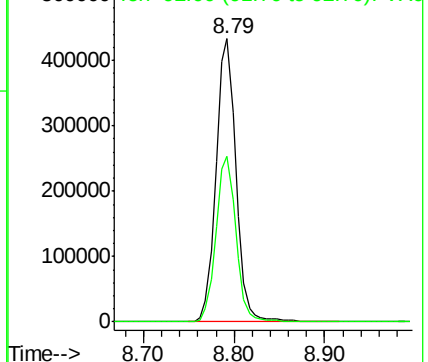
91 100

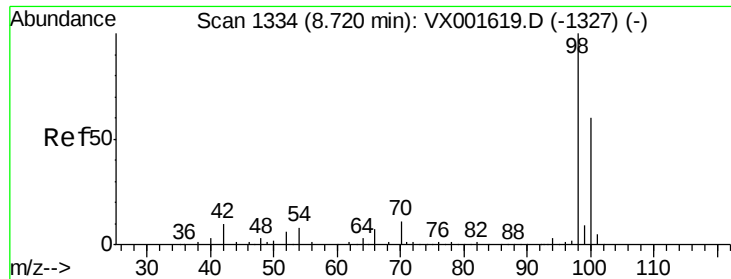
92 58.7 47.4 71.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.44 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001620.D

Acq: 10 May 2018 23:55

Instrument :

MSVOA_X

ClientSampleId :

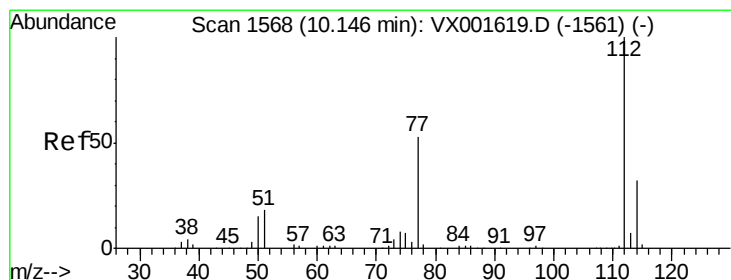
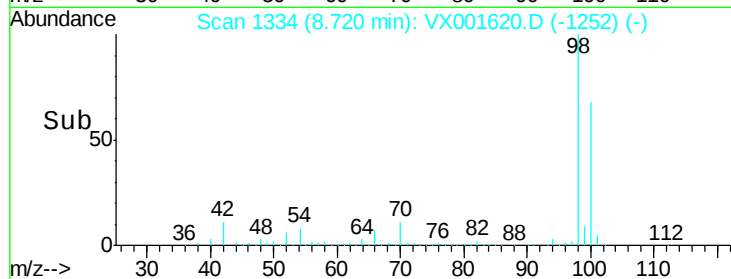
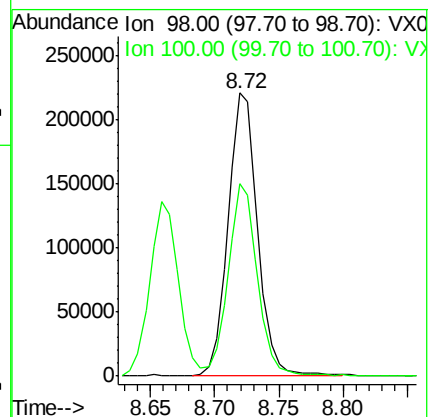
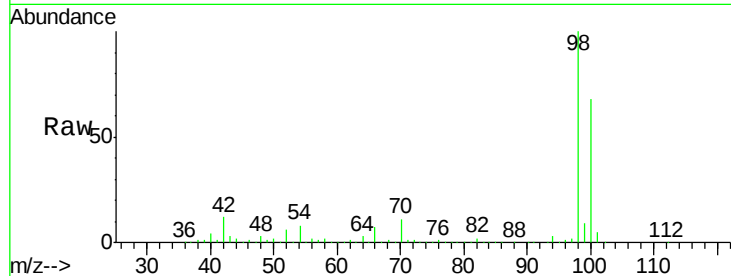
VSTDIC050

Tgt Ion: 98 Resp: 355374

Ion Ratio Lower Upper

98 100

100 66.5 52.2 78.2



#64

Chlorobenzene

Concen: 45.13 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX001620.D

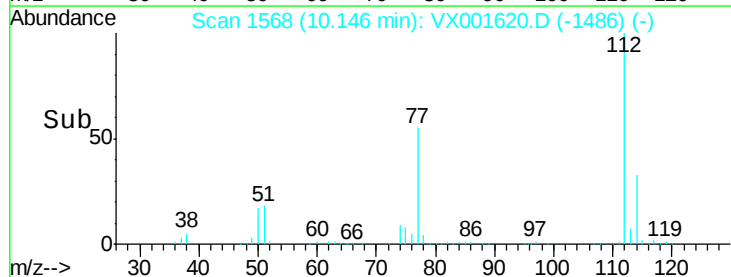
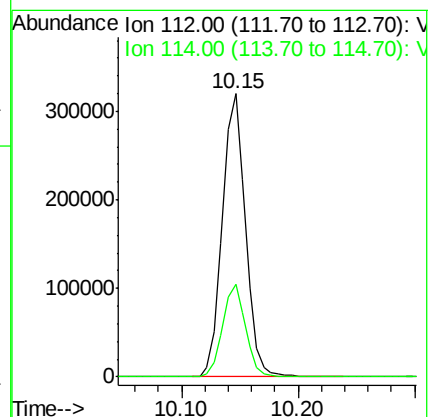
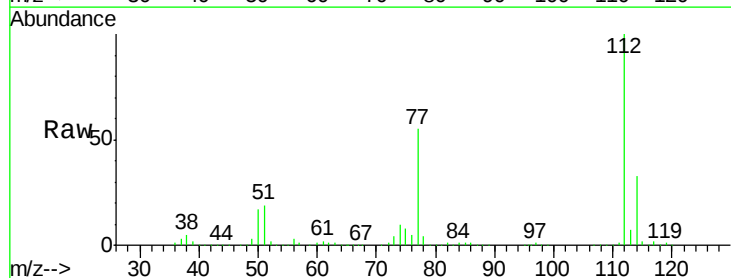
Acq: 10 May 2018 23:55

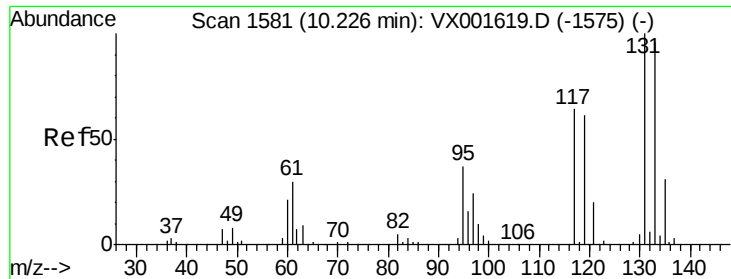
Tgt Ion: 112 Resp: 436869

Ion Ratio Lower Upper

112 100

114 32.6 25.3 37.9





#65

1,1,1,2-Tetrachloroethane

Concen: 47.31 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX001620.D

Acq: 10 May 2018 23:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

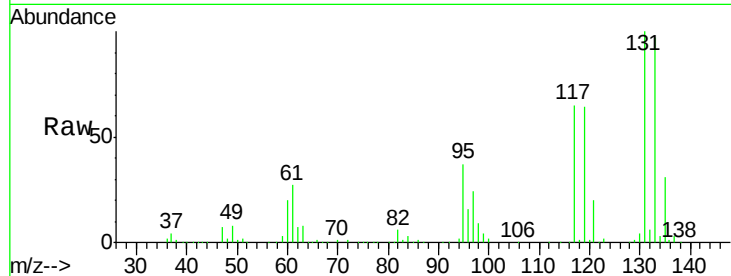
Tgt Ion: 131 Resp: 167329

Ion Ratio Lower Upper

131 100

133 96.5 0.0 191.4

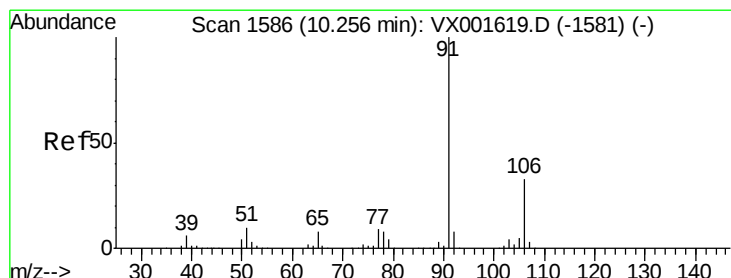
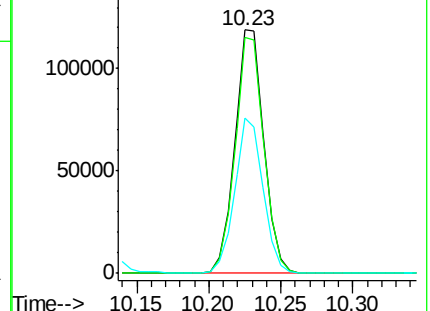
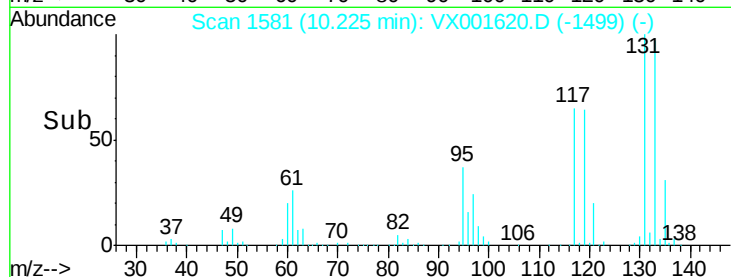
119 62.4 0.0 124.2



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: 45.21 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX001620.D

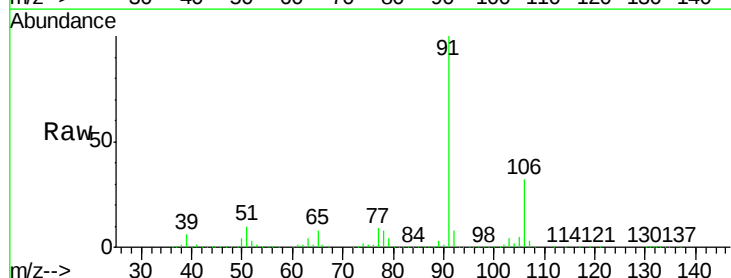
Acq: 10 May 2018 23:55

Tgt Ion: 91 Resp: 716822

Ion Ratio Lower Upper

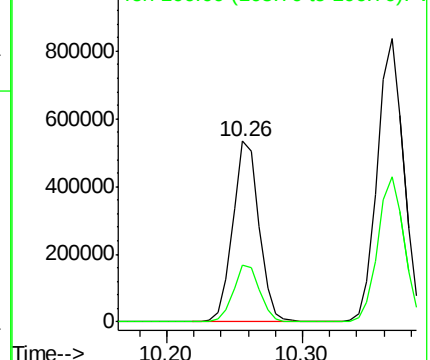
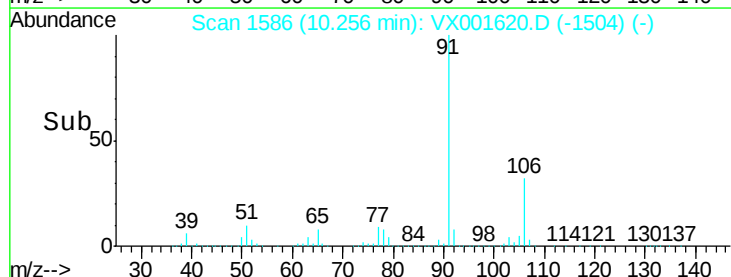
91 100

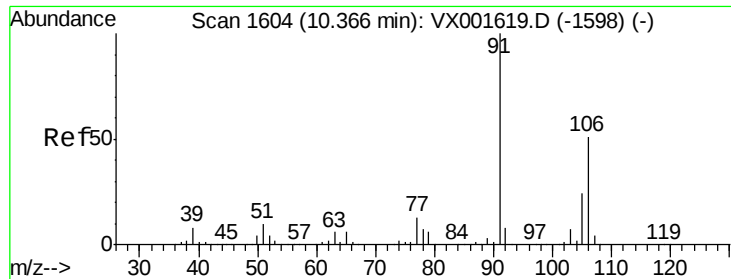
106 31.8 26.2 39.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

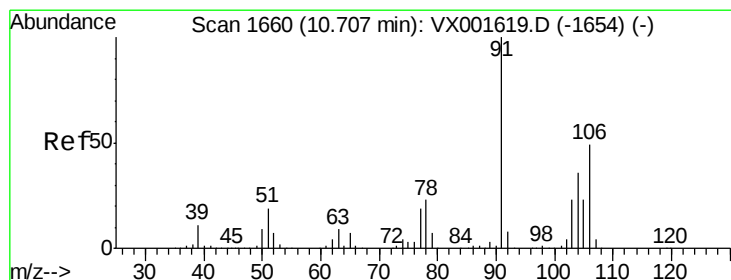
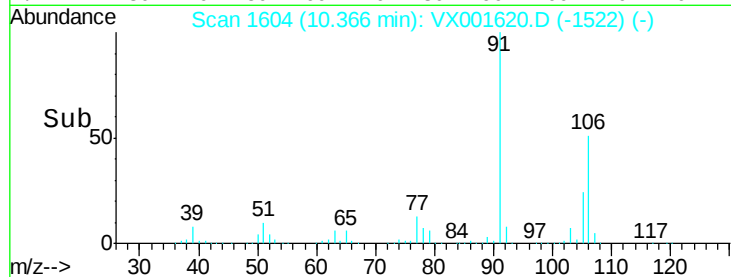
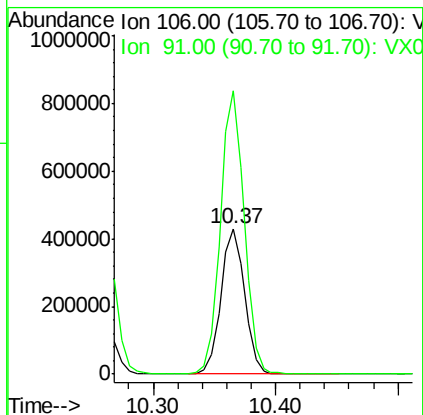
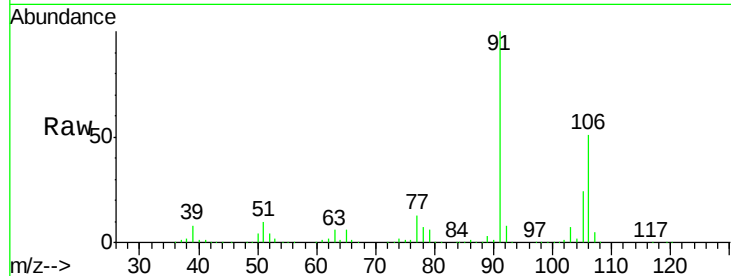




#67
m/p-Xylenes
Concen: 91.00 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX001620.D
Acq: 10 May 2018 23:55

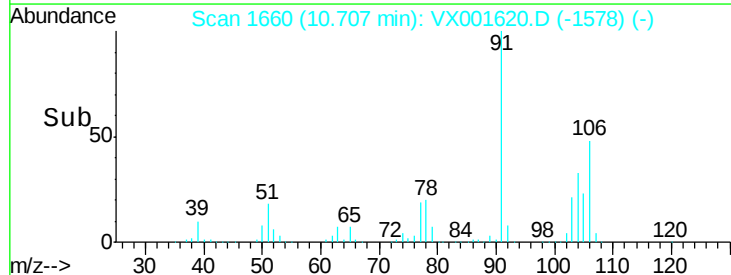
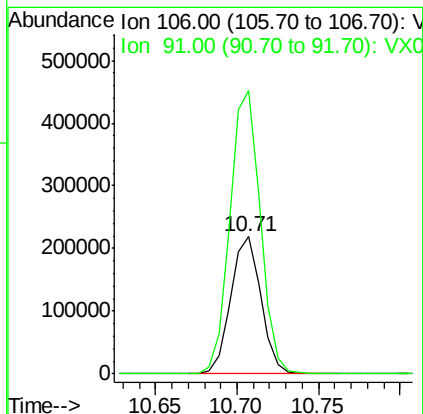
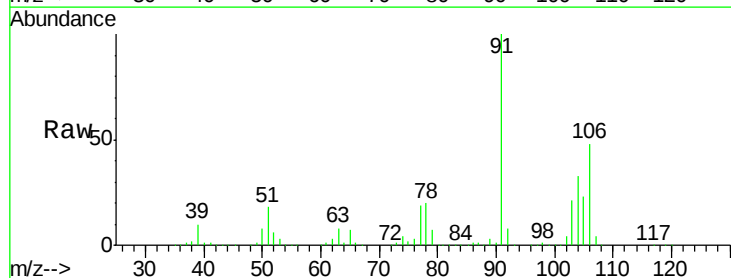
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

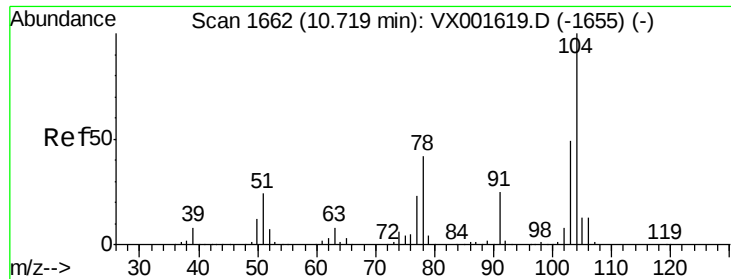
Tgt Ion:106 Resp: 576477
Ion Ratio Lower Upper
106 100
91 194.6 157.8 236.8



#68
o-Xylene
Concen: 45.98 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX001620.D
Acq: 10 May 2018 23:55

Tgt Ion:106 Resp: 281123
Ion Ratio Lower Upper
106 100
91 207.6 104.3 312.8

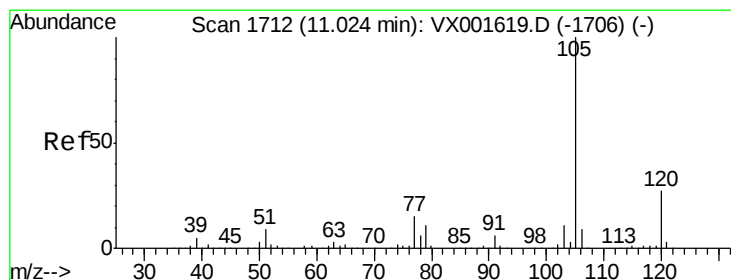
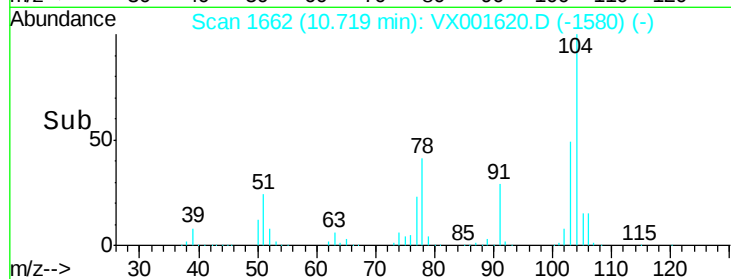
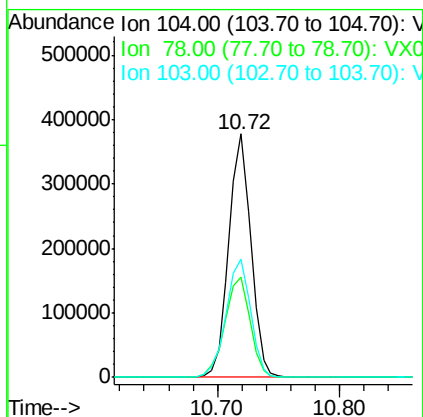
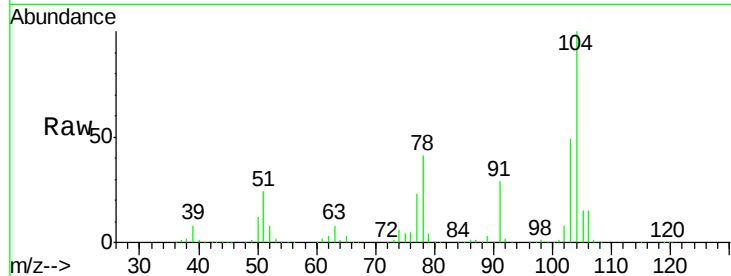




#69
Styrene
Concen: 46.56 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001620.D
Acq: 10 May 2018 23:55

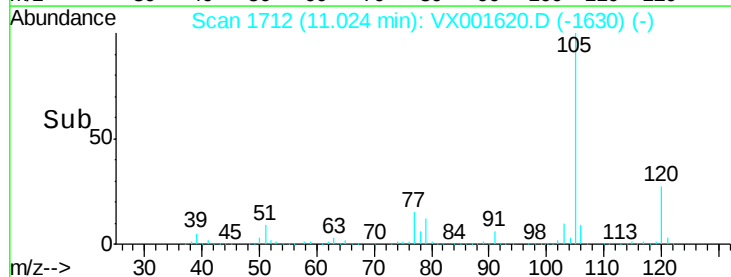
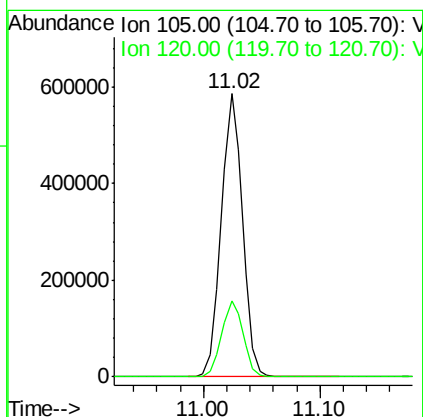
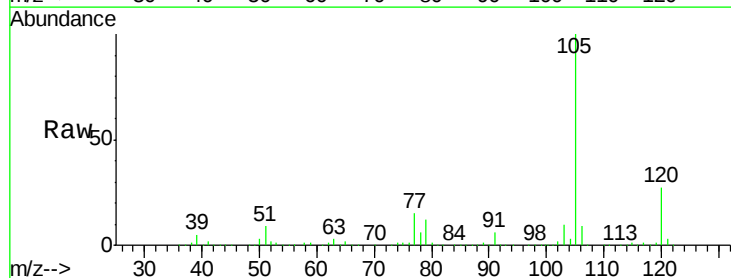
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

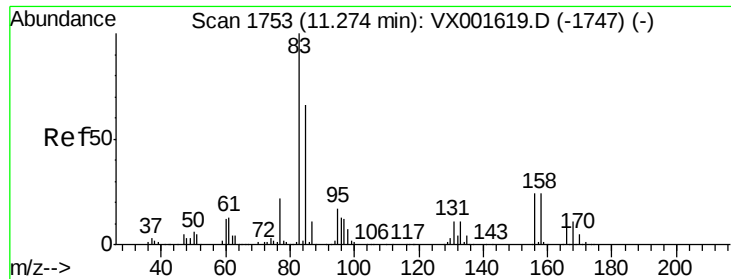
Tgt Ion:104 Resp: 473919
Ion Ratio Lower Upper
104 100
78 46.9 39.3 58.9
103 53.7 43.7 65.5



#70
Isopropylbenzene
Concen: 44.53 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VX001620.D
Acq: 10 May 2018 23:55

Tgt Ion:105 Resp: 735910
Ion Ratio Lower Upper
105 100
120 27.3 19.1 35.5

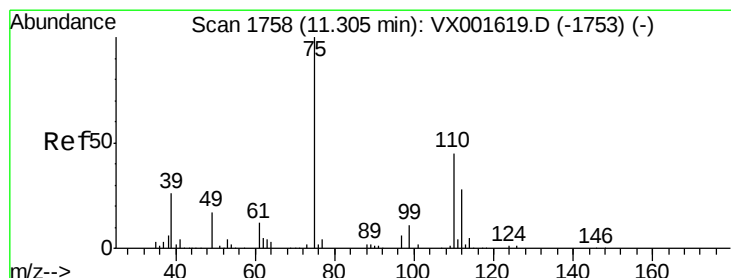
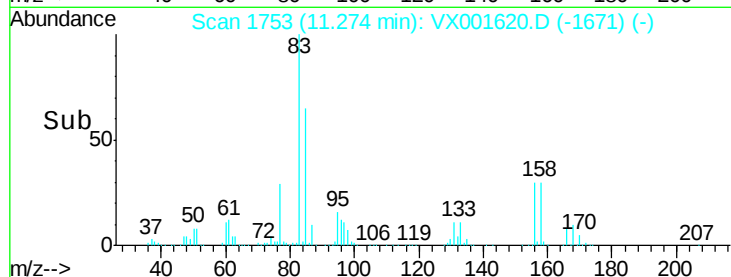
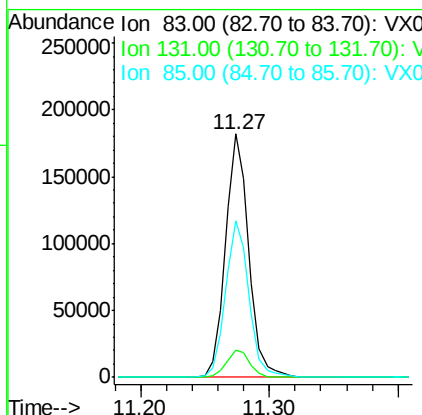
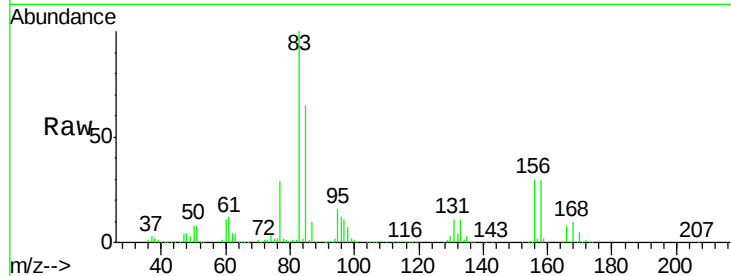




#71
 1,1,2,2-Tetrachloroethane
 Concen: 46.71 ug/l
 RT: 11.27 min Scan# 1753
 Delta R.T. -0.00 min
 Lab File: VX001620.D
 Acq: 10 May 2018 23:55

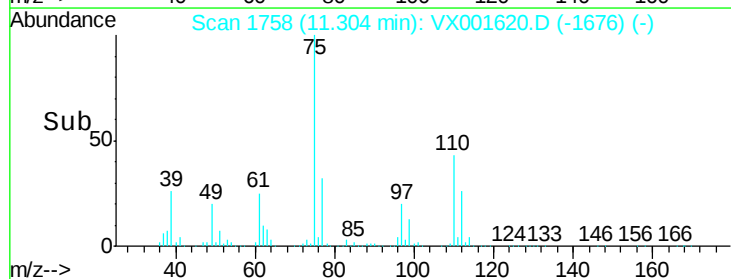
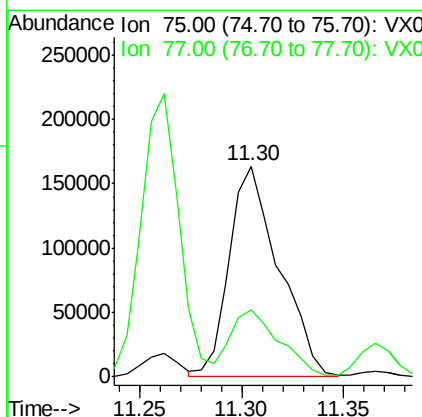
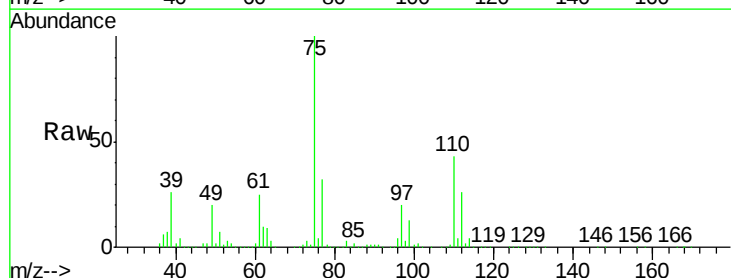
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

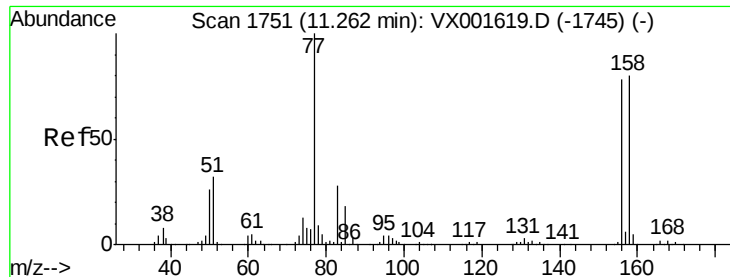
Tgt Ion: 83 Resp: 231598
 Ion Ratio Lower Upper
 83 100
 131 11.4 5.8 17.4
 85 64.8 32.4 97.2



#72
 1,2,3-Trichloropropane
 Concen: 61.88 ug/l
 RT: 11.30 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VX001620.D
 Acq: 10 May 2018 23:55

Tgt Ion: 75 Resp: 276679
 Ion Ratio Lower Upper
 75 100
 77 29.6 0.0 73.2





#73

Bromobenzene

Concen: 44.67 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001620.D

Acq: 10 May 2018 23:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

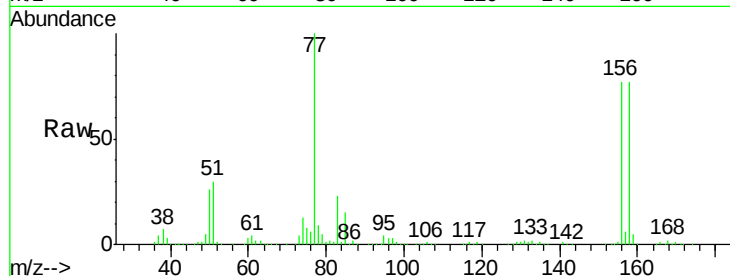
Tgt Ion:156 Resp: 215679

Ion Ratio Lower Upper

156 100

77 132.1 0.0 266.4

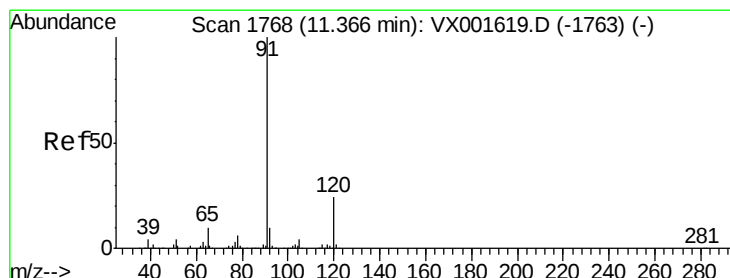
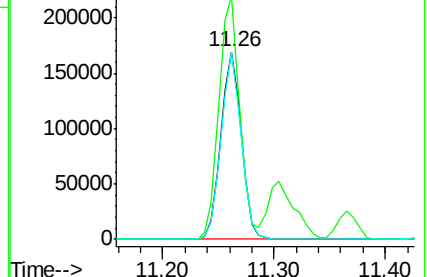
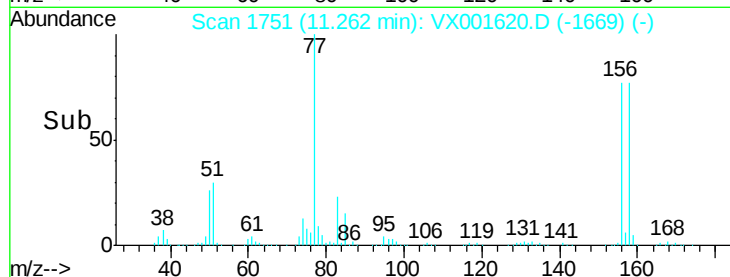
158 97.5 0.0 194.4



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: 43.73 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX001620.D

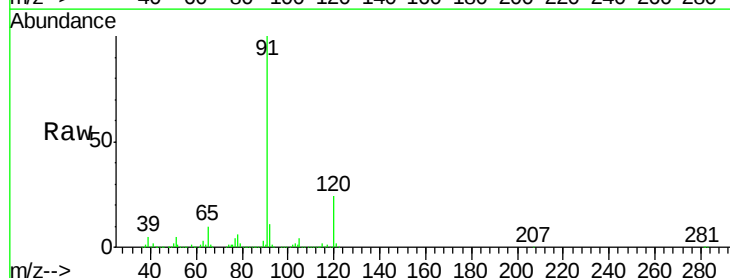
Acq: 10 May 2018 23:55

Tgt Ion: 91 Resp: 814269

Ion Ratio Lower Upper

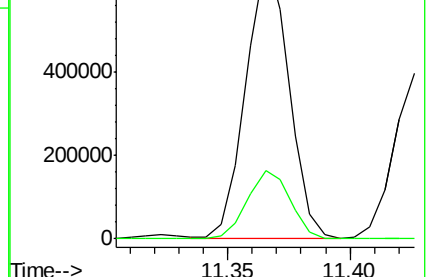
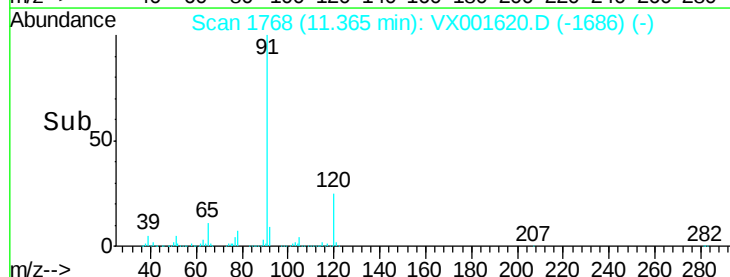
91 100

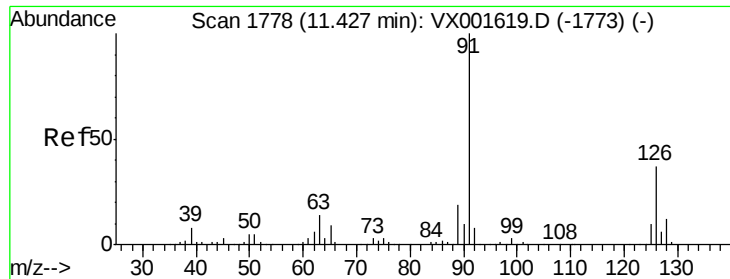
120 24.6 0.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 44.16 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX001620.D

Acq: 10 May 2018 23:55

Instrument :

MSVOA_X

ClientSampleId :

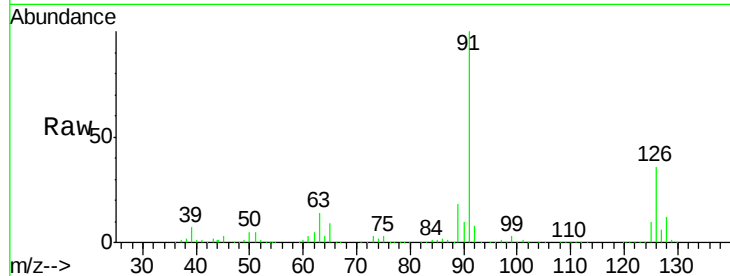
VSTDIC050

Tgt Ion: 91 Resp: 500004

Ion Ratio Lower Upper

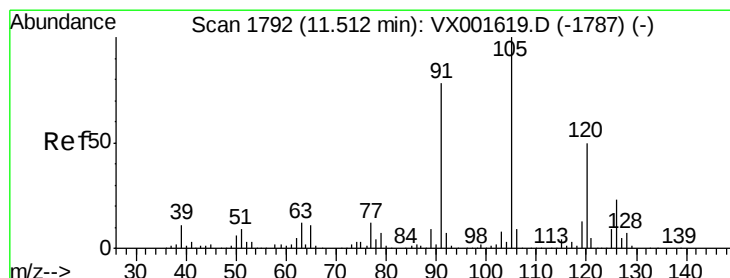
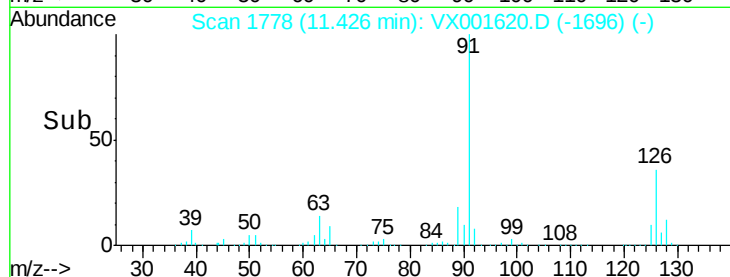
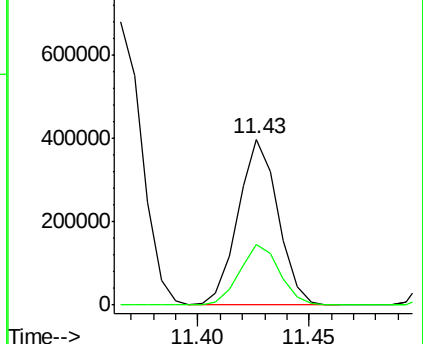
91 100

126 36.6 0.0 72.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 44.08 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001620.D

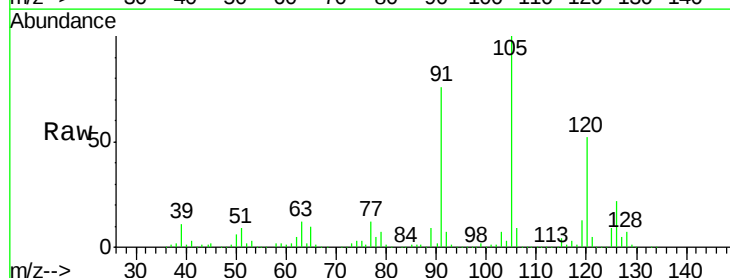
Acq: 10 May 2018 23:55

Tgt Ion: 105 Resp: 620689

Ion Ratio Lower Upper

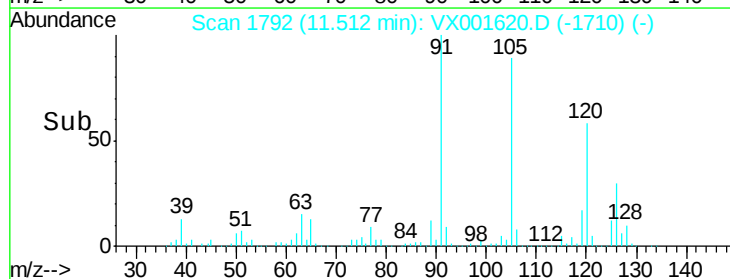
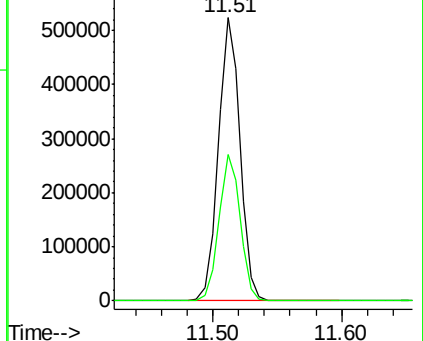
105 100

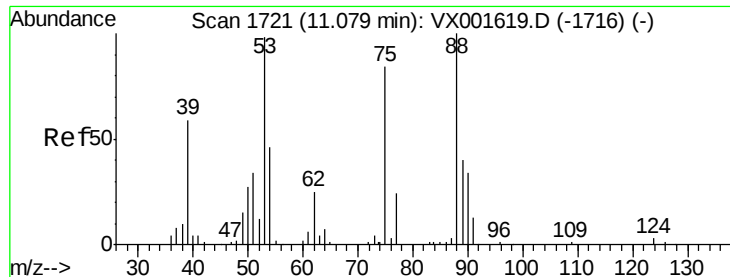
120 51.1 0.0 101.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 46.04 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX001620.D

Acq: 10 May 2018 23:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

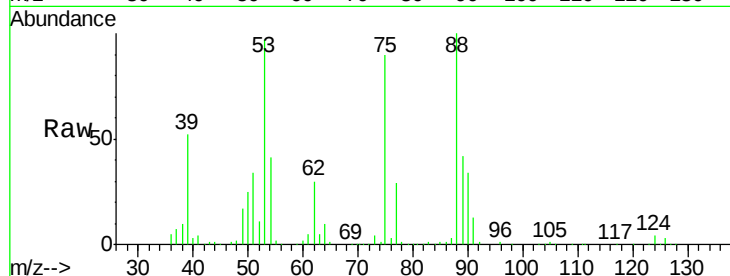
Tgt Ion: 75 Resp: 60639

Ion Ratio Lower Upper

75 100

53 107.2 58.3 174.8

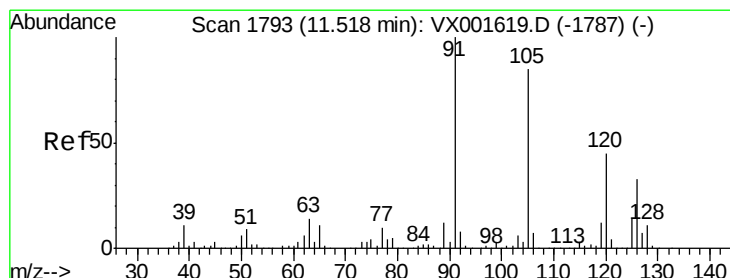
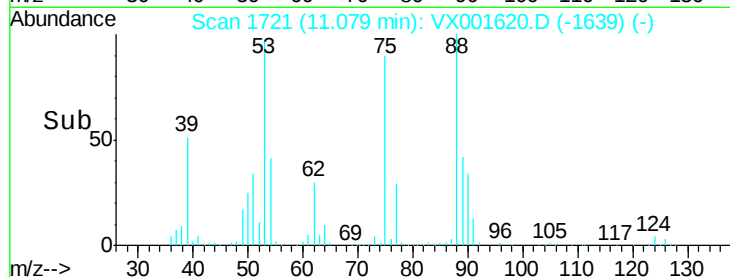
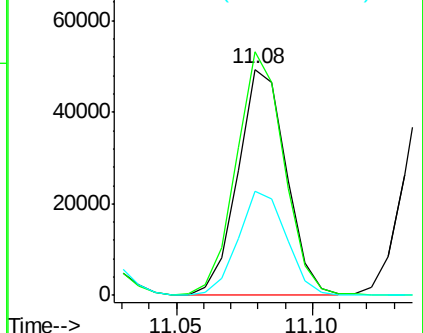
89 46.1 23.9 71.8



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: 43.12 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VX001620.D

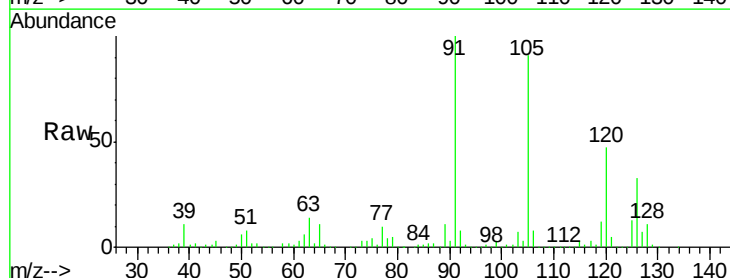
Acq: 10 May 2018 23:55

Tgt Ion: 91 Resp: 576438

Ion Ratio Lower Upper

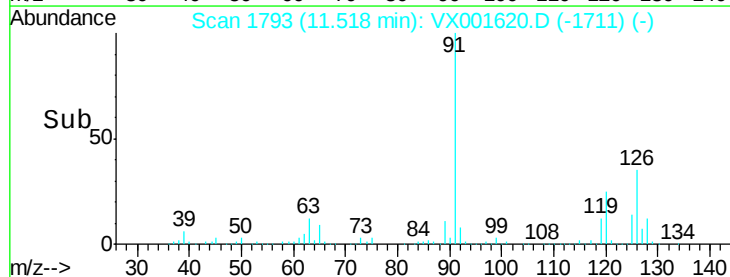
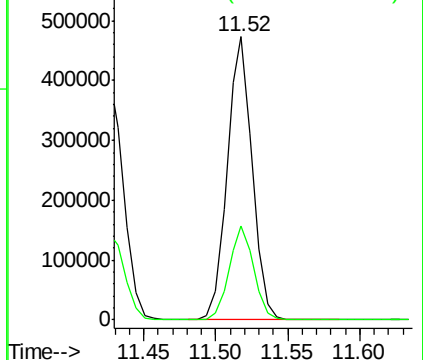
91 100

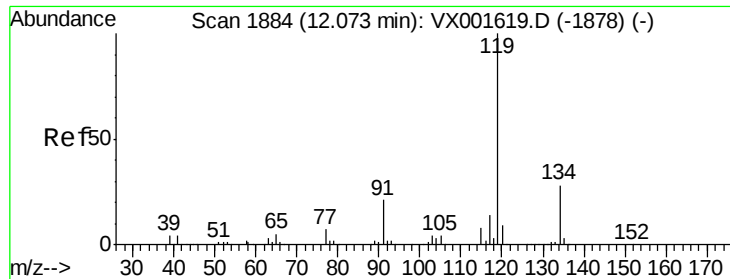
126 32.5 0.0 64.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 44.22 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX001620.D

Acq: 10 May 2018 23:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

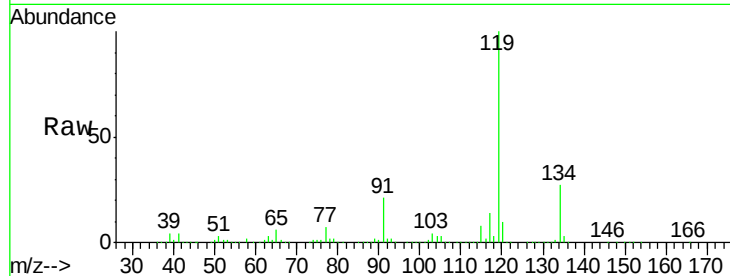
Tgt Ion:119 Resp: 665296

Ion Ratio Lower Upper

119 100

91 21.6 0.0 44.0

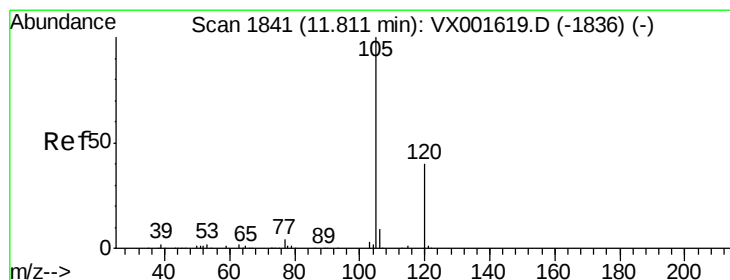
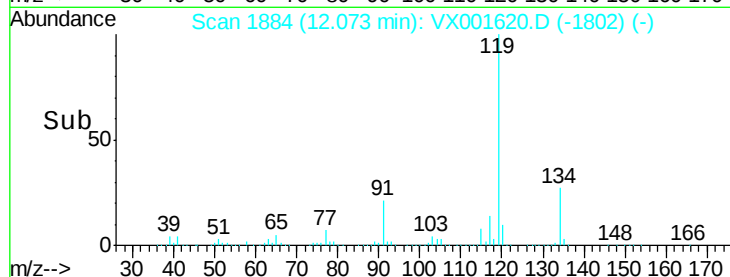
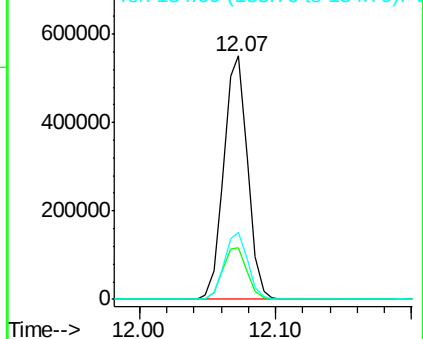
134 27.0 0.0 53.8



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: 44.75 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX001620.D

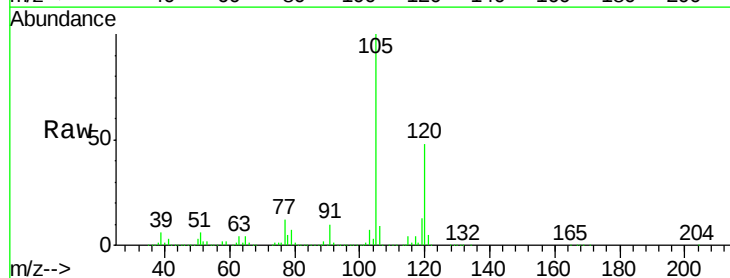
Acq: 10 May 2018 23:55

Tgt Ion:105 Resp: 639720

Ion Ratio Lower Upper

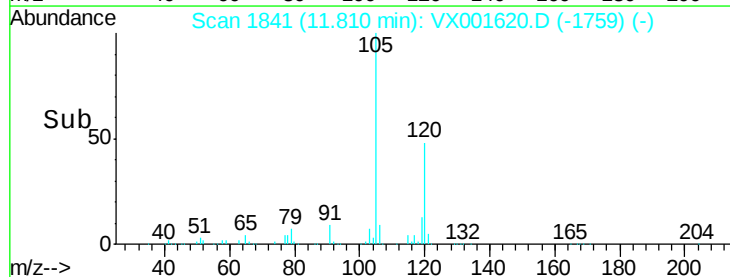
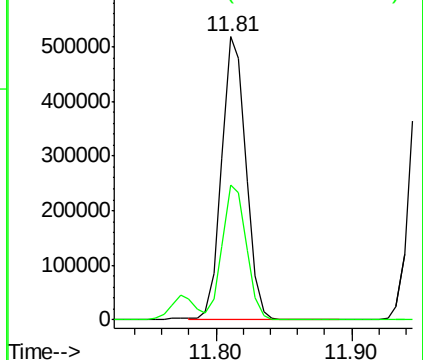
105 100

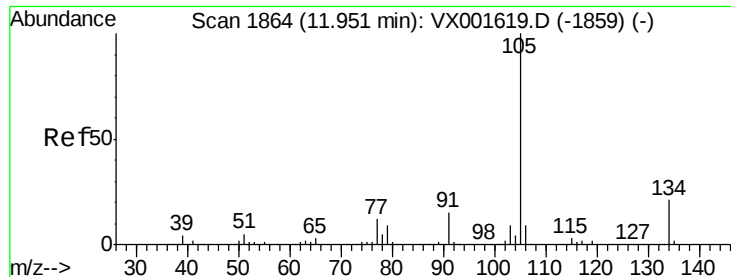
120 47.3 0.0 94.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

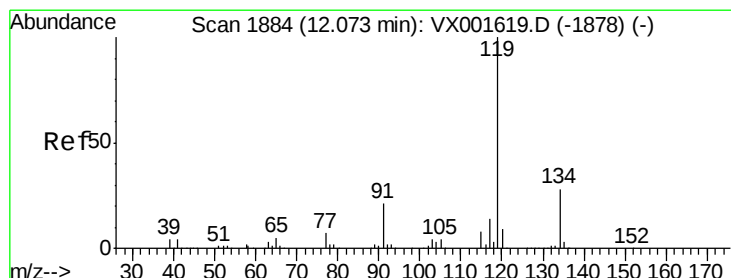
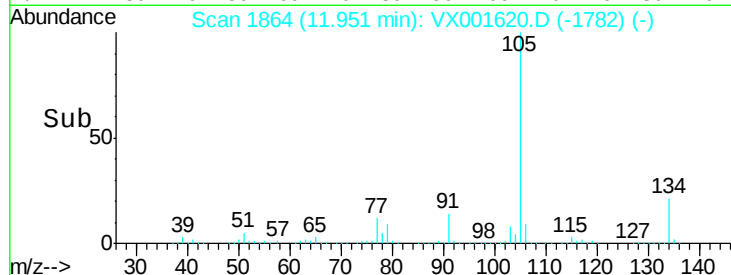
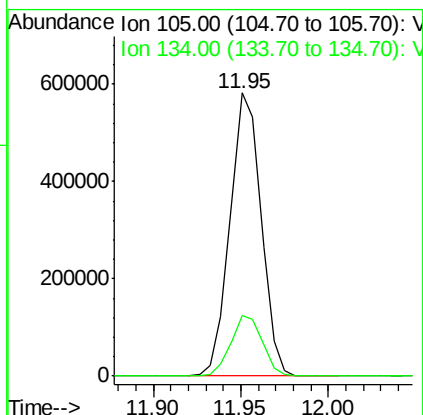
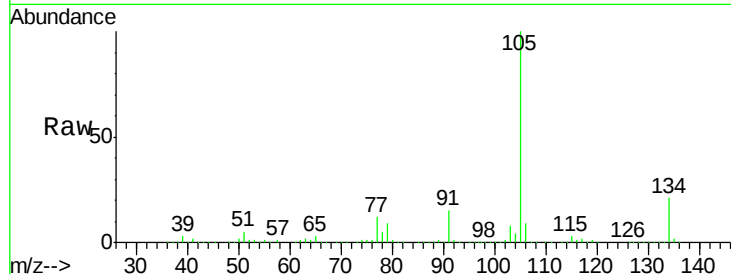




#81
 sec-Butylbenzene
 Concen: 44.35 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX001620.D
 Acq: 10 May 2018 23:55

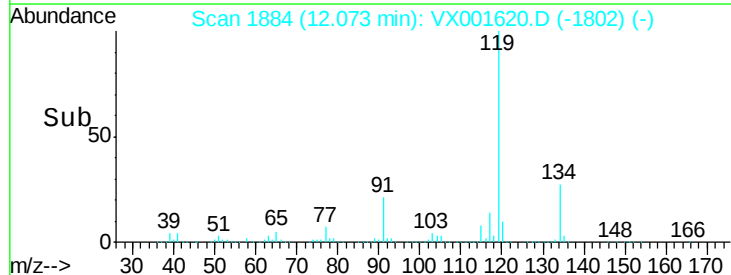
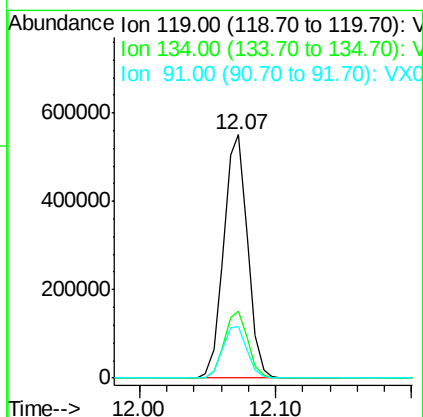
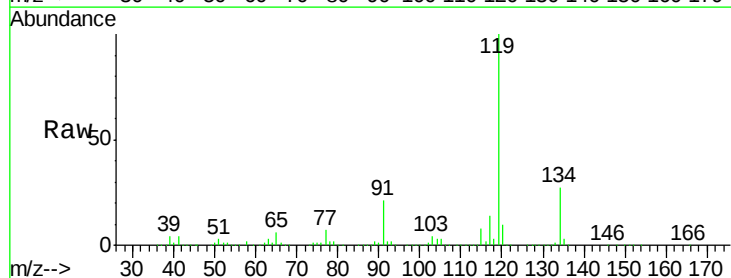
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

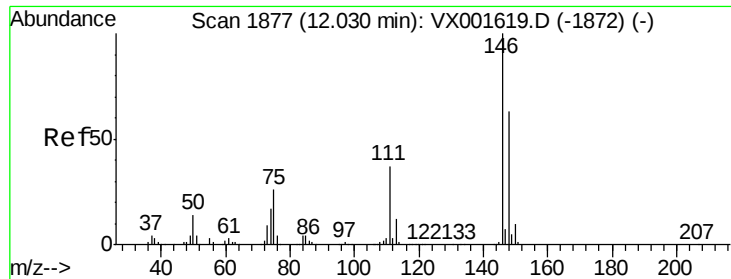
Tgt Ion:105 Resp: 724086
 Ion Ratio Lower Upper
 105 100
 134 21.6 0.0 43.4



#82
 p-Isopropyltoluene
 Concen: 44.22 ug/l
 RT: 12.07 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VX001620.D
 Acq: 10 May 2018 23:55

Tgt Ion:119 Resp: 665296
 Ion Ratio Lower Upper
 119 100
 134 27.0 0.0 53.8
 91 21.6 0.0 44.0

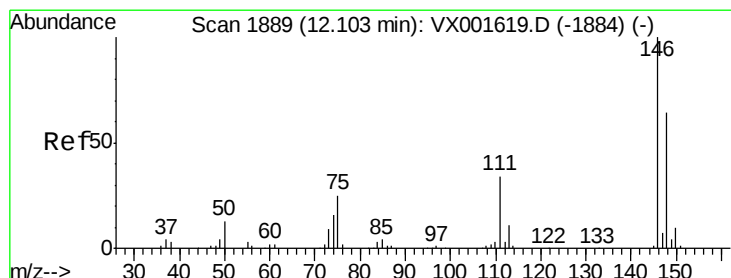
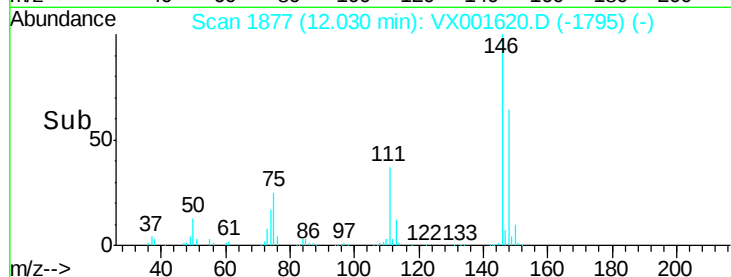
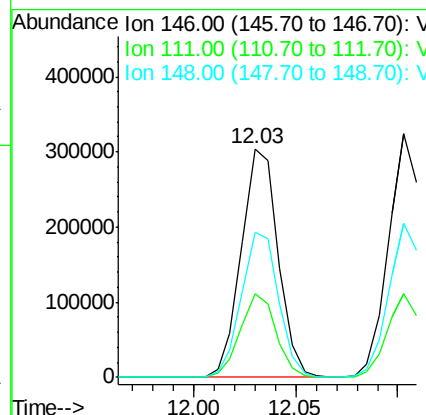
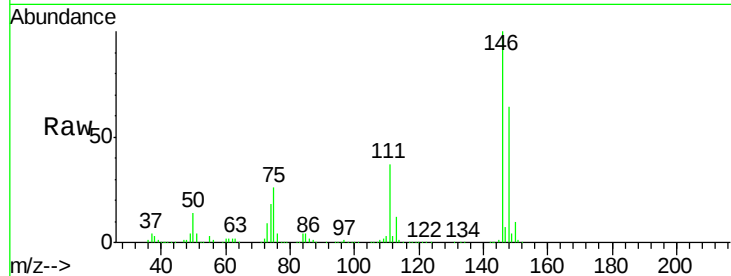




#83
 1,3-Dichlorobenzene
 Concen: 43.63 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX001620.D
 Acq: 10 May 2018 23:55

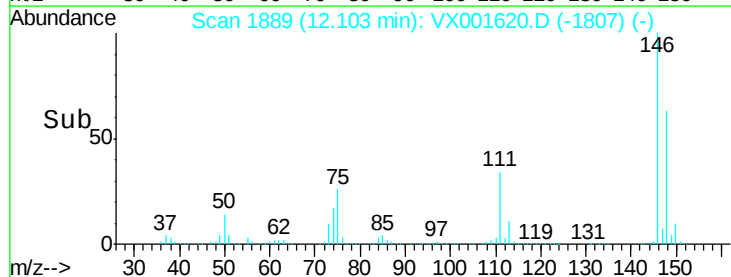
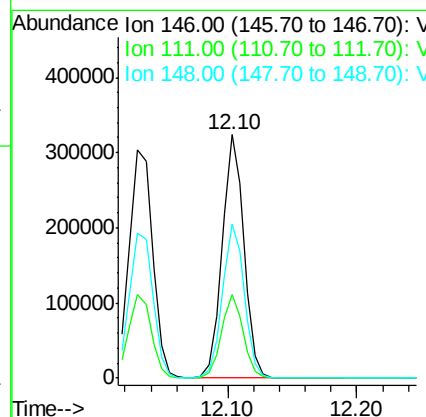
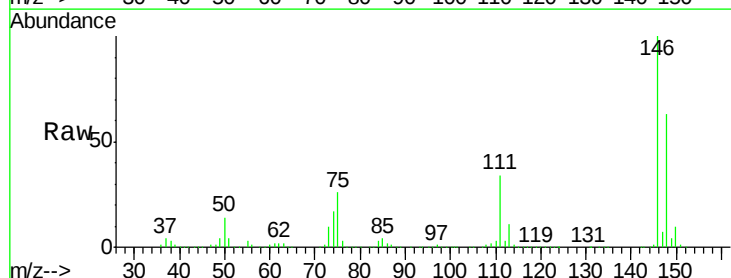
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

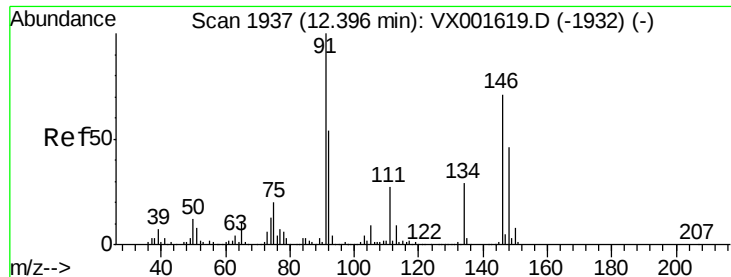
Tgt Ion:146 Resp: 381408
 Ion Ratio Lower Upper
 146 100
 111 35.6 18.1 54.1
 148 63.9 32.2 96.6



#84
 1,4-Dichlorobenzene
 Concen: 43.48 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001620.D
 Acq: 10 May 2018 23:55

Tgt Ion:146 Resp: 385853
 Ion Ratio Lower Upper
 146 100
 111 34.1 17.4 52.3
 148 63.5 32.5 97.4

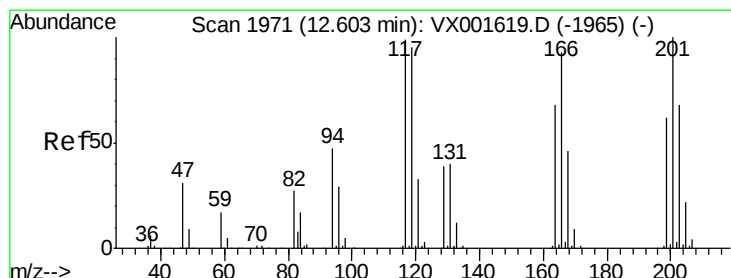
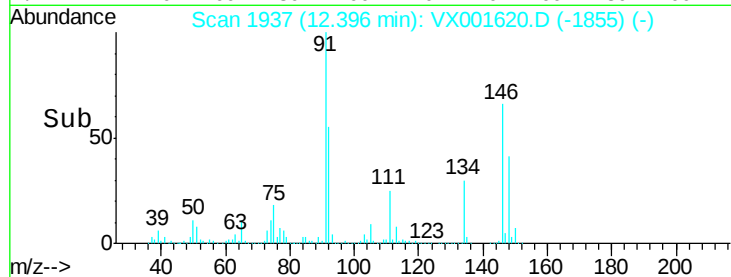
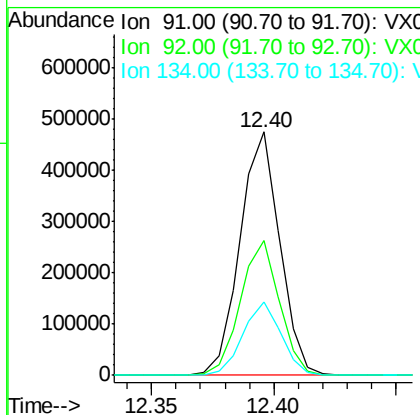
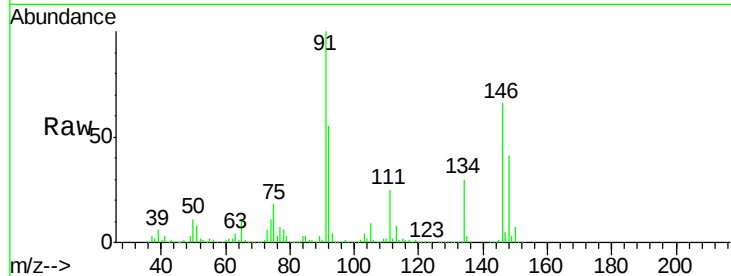




#85
n-Butylbenzene
Concen: 41.55 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX001620.D
Acq: 10 May 2018 23:55

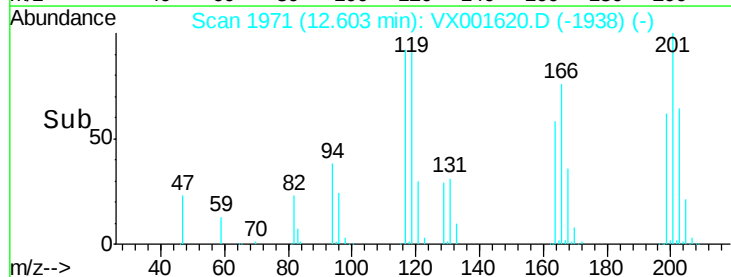
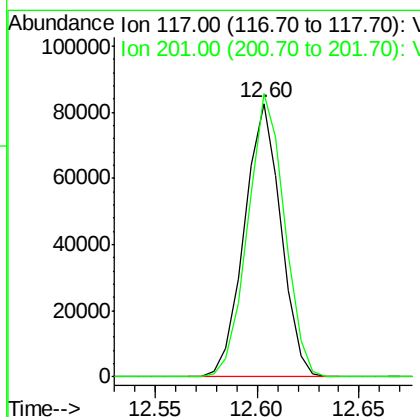
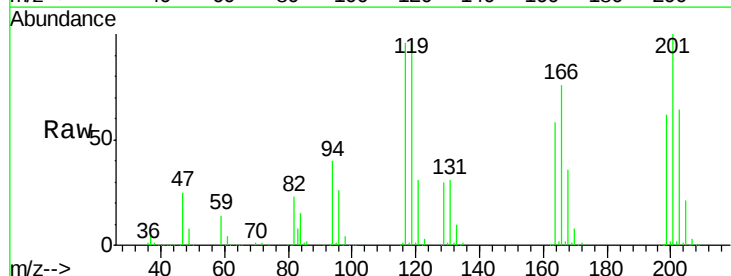
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

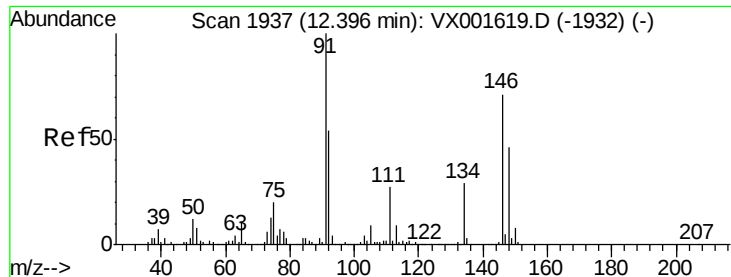
Tgt Ion: 91 Resp: 533431
Ion Ratio Lower Upper
91 100
92 54.7 0.0 107.8
134 29.4 0.0 56.8



#86
Hexachloroethane
Concen: 44.45 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX001620.D
Acq: 10 May 2018 23:55

Tgt Ion: 117 Resp: 102910
Ion Ratio Lower Upper
117 100
201 103.9 50.1 150.3

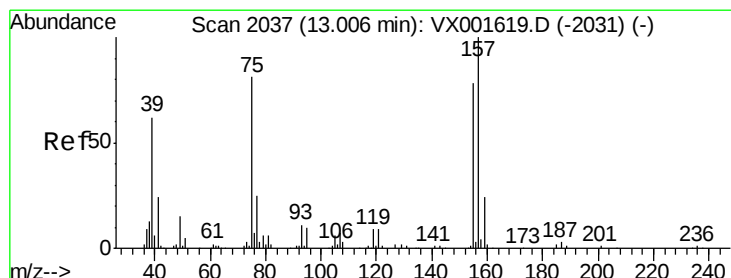
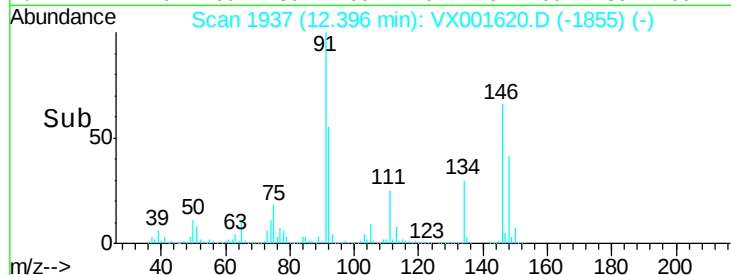
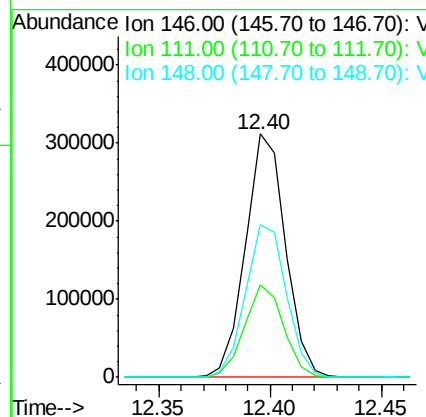
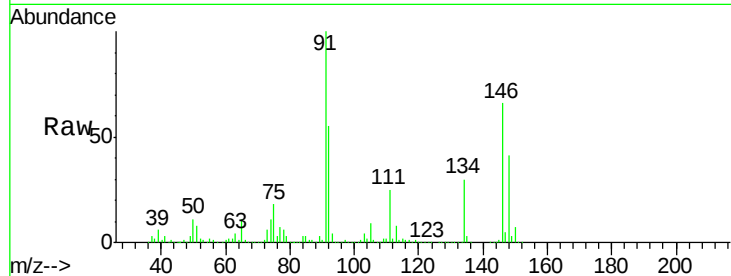




#87
 1,2-Dichlorobenzene
 Concen: 44.74 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX001620.D
 Acq: 10 May 2018 23:55

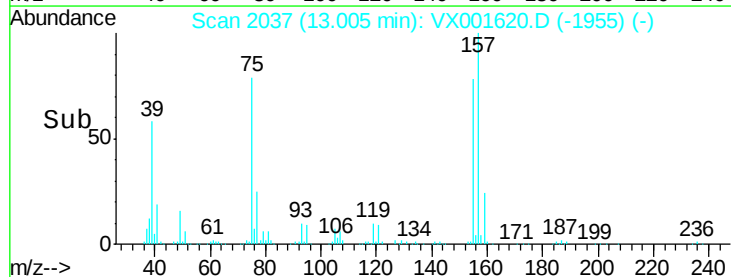
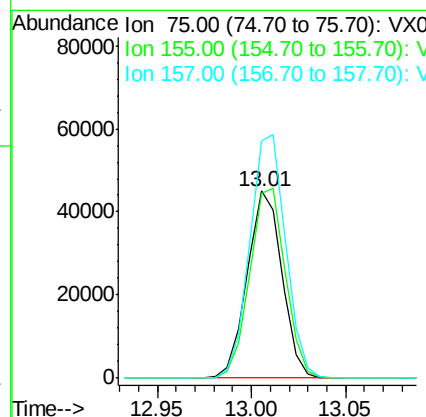
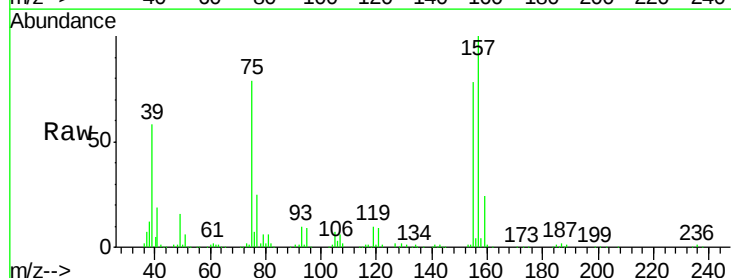
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

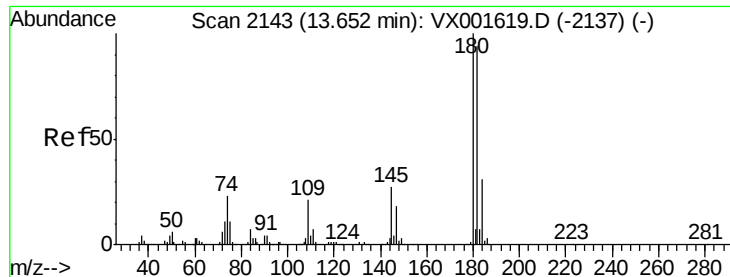
Tgt Ion:146 Resp: 391399
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.7 56.1
 148 64.4 32.1 96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 54.40 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX001620.D
 Acq: 10 May 2018 23:55

Tgt Ion: 75 Resp: 57533
 Ion Ratio Lower Upper
 75 100
 155 104.0 79.8 119.8
 157 134.3 105.4 158.2





#89

1,2,4-Trichlorobenzene

Concen: 43.88 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VX001620.D

Acq: 10 May 2018 23:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

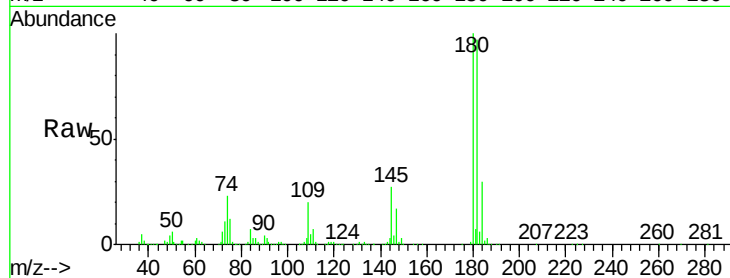
Tgt Ion:180 Resp: 286413

Ion Ratio Lower Upper

180 100

182 96.1 76.6 115.0

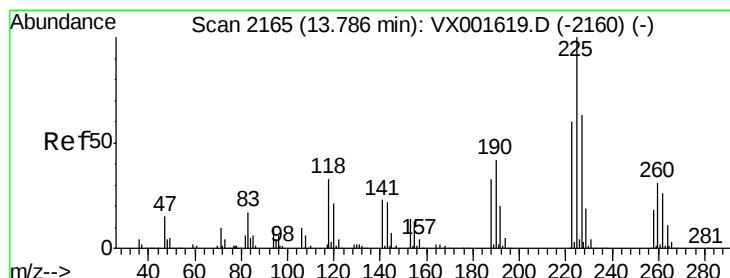
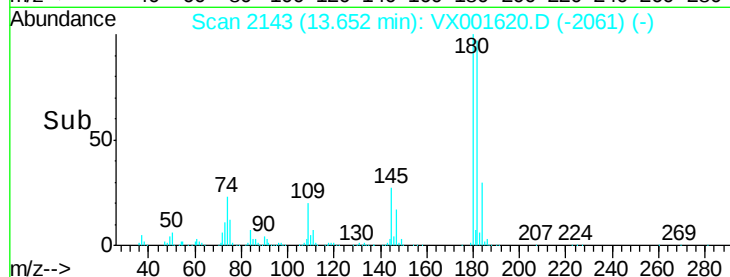
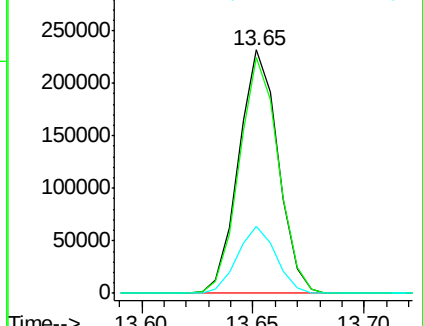
145 26.9 21.5 32.3



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90

Hexachlorobutadiene

Concen: 46.19 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX001620.D

Acq: 10 May 2018 23:55

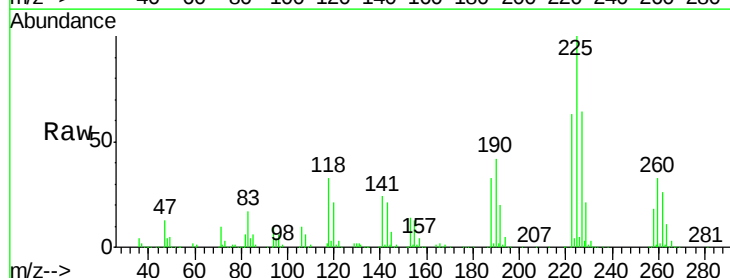
Tgt Ion:225 Resp: 144663

Ion Ratio Lower Upper

225 100

223 62.6 0.0 120.2

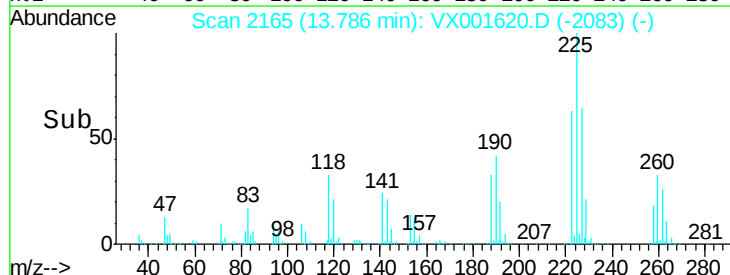
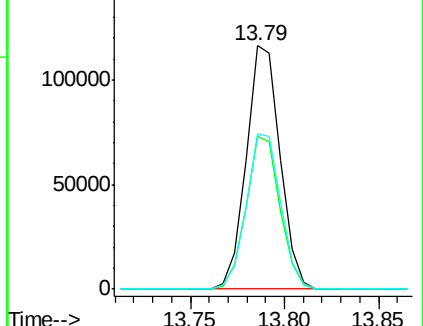
227 64.9 0.0 126.6

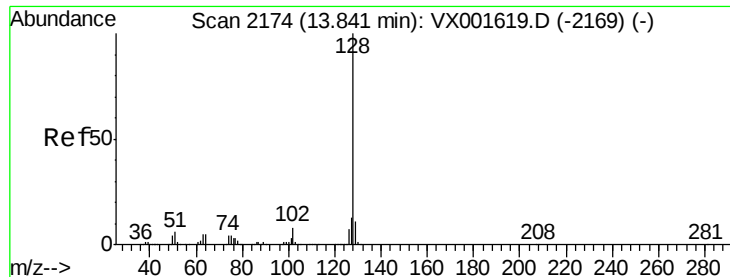


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

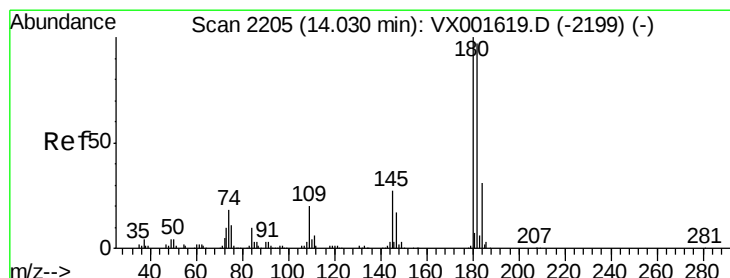
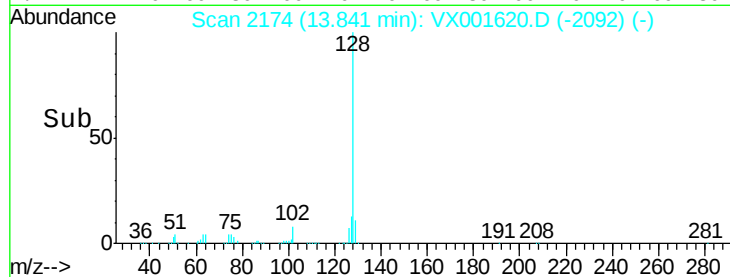
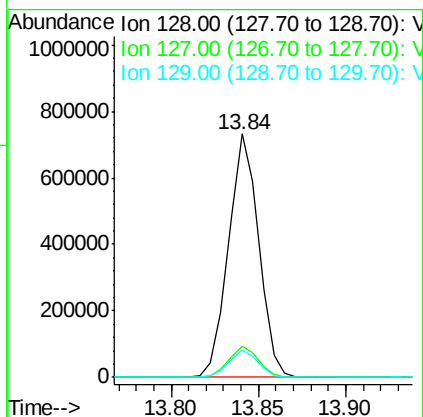
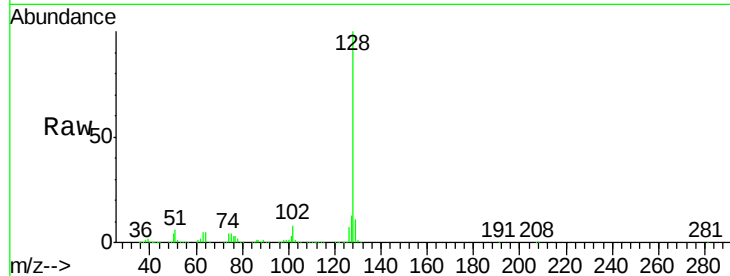




#91
Naphthalene
Concen: 50.47 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX001620.D
Acq: 10 May 2018 23:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tgt Ion:128 Resp: 877055
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 11.1 8.8 13.2



#92
1,2,3-Trichlorobenzene
Concen: 46.00 ug/l
RT: 14.03 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VX001620.D
Acq: 10 May 2018 23:55

Tgt Ion:180 Resp: 300936
Ion Ratio Lower Upper
180 100
182 96.4 0.0 192.2
145 28.3 0.0 56.0

