

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102418\
 Data File : VX005533.D
 Acq On : 24 Oct 2018 11:05
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Quant Time: Oct 25 01:48:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 01:45:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	207105	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	317220	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	288169	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	158860	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	14489	5.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.46%	
35) Dibromofluoromethane	5.50	113	11303	5.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.52%	
50) Toluene-d8	8.71	98	38279	4.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.92%	
62) 4-Bromofluorobenzene	11.14	95	12920	4.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.86%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.20	85	7805	3.818 ug/l	98
3) Chloromethane	1.32	50	12455	4.784 ug/l	94
4) Vinyl Chloride	1.41	62	11711	4.575 ug/l	97
5) Bromomethane	1.64	94	7786	4.888 ug/l	96
6) Chloroethane	1.71	64	8440	5.161 ug/l #	86
7) Trichlorofluoromethane	1.92	101	17276	4.857 ug/l	99
8) Diethyl Ether	2.19	74	6676	4.703 ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.37	101	10381	5.087 ug/l	97
10) Methyl Iodide	2.51	142	6641	3.444 ug/l	98
11) Tert butyl alcohol	3.07	59	16999	24.987 ug/l	98
12) 1,1-Dichloroethene	2.37	96	9618	4.947 ug/l	95
13) Acrolein	2.29	56	8676	25.001 ug/l	91
14) Allyl chloride	2.72	41	22233	5.124 ug/l	100
15) Acrylonitrile	3.15	53	39431	25.848 ug/l	97
16) Acetone	2.45	43	34249	25.638 ug/l	98
17) Carbon Disulfide	2.56	76	27930	4.713 ug/l	100
18) Methyl Acetate	2.78	43	21176	5.659 ug/l	98
19) Methyl tert-butyl Ether	3.20	73	35200	5.076 ug/l	99
20) Methylene Chloride	2.86	84	11746	5.250 ug/l	84
21) trans-1,2-Dichloroethene	3.17	96	11130	5.243 ug/l	90
22) Diisopropyl ether	3.87	45	37736	4.980 ug/l	96
23) Vinyl Acetate	3.82	43	156569	23.463 ug/l	98
24) 1,1-Dichloroethane	3.70	63	21046	5.109 ug/l	98
25) 2-Butanone	4.70	43	50528	24.838 ug/l	98
26) 2,2-Dichloropropane	4.59	77	16282	5.120 ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	11562	5.052 ug/l	97
28) Bromochloromethane	5.03	49	9873	4.955 ug/l	96
29) Tetrahydrofuran	5.15	42	33118	25.016 ug/l	97
30) Chloroform	5.21	83	19494	5.059 ug/l	97
31) Cyclohexane	5.57	56	15697	4.605 ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	16389	4.819 ug/l	97
36) 1,1-Dichloropropene	5.79	75	14333	4.656 ug/l	99
37) Ethyl Acetate	4.85	43	19177	4.882 ug/l	99
38) Carbon Tetrachloride	5.78	117	15121	4.664 ug/l	99

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 Data File : VX005533.D
 Acq On : 24 Oct 2018 11:05
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 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Quant Time: Oct 25 01:48:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 01:45:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	15133	4.452	ug/l	96
40) Benzene	6.14	78	41098	4.657	ug/l	96
41) Methacrylonitrile	5.06	41	10449	4.775	ug/l	97
42) 1,2-Dichloroethane	6.20	62	16011	4.776	ug/l	98
43) Isopropyl Acetate	6.46	43	25968	4.411	ug/l	99
44) Trichloroethene	7.21	130	11480	4.775	ug/l	100
45) 1,2-Dichloropropane	7.51	63	11422	4.814	ug/l	95
46) Dibromomethane	7.66	93	7381	4.817	ug/l	97
47) Bromodichloromethane	7.90	83	13463	4.527	ug/l	92
48) Methyl methacrylate	7.77	41	12997	4.532	ug/l	98
49) 1,4-Dioxane	7.76	88	5647	90.105	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	90218	22.804	ug/l	98
52) Toluene	8.79	92	25470	4.749	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	13686	4.258	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	15841	4.577	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	10684	4.725	ug/l	96
56) Ethyl methacrylate	9.18	69	14220	4.216	ug/l	97
57) 1,3-Dichloropropane	9.37	76	18361	4.799	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	40302	21.395	ug/l	99
59) 2-Hexanone	9.50	43	70167	22.494	ug/l	97
60) Dibromochloromethane	9.59	129	10632	4.507	ug/l	99
61) 1,2-Dibromoethane	9.67	107	10803	4.618	ug/l	96
64) Tetrachloroethene	9.34	164	11741	4.908	ug/l	95
65) Chlorobenzene	10.14	112	30127	4.910	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.22	131	10563	4.721	ug/l	96
67) Ethyl Benzene	10.25	91	46321	4.588	ug/l	95
68) m/p-Xylenes	10.36	106	35662	9.104	ug/l	100
69) o-Xylene	10.70	106	16622	4.510	ug/l	98
70) Styrene	10.71	104	26747	4.336	ug/l	99
71) Bromoform	10.86	173	8871	4.443	ug/l #	100
73) Isopropylbenzene	11.02	105	45393	4.674	ug/l	98
74) N-amyl acetate	10.90	43	21773	4.525	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	17815	4.973	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	20135	6.185	ug/l	87
77) Bromobenzene	11.26	156	12961	4.789	ug/l	99
78) n-propylbenzene	11.36	91	51812	4.666	ug/l	99
79) 2-Chlorotoluene	11.42	91	32758	4.758	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	38112	4.588	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	4478	4.347	ug/l #	84
82) 4-Chlorotoluene	11.51	91	38678	4.764	ug/l	99
83) tert-Butylbenzene	11.77	119	38424	4.640	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	38612	4.586	ug/l	98
85) sec-Butylbenzene	11.94	105	46806	4.737	ug/l	99
86) p-Isopropyltoluene	12.07	119	40994	4.641	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	24858	4.885	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	26337	4.948	ug/l	94
89) n-Butylbenzene	12.39	91	35148	4.408	ug/l	98
90) Hexachloroethane	12.60	117	6942	4.557	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	24676	4.793	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	3959	4.570	ug/l	98

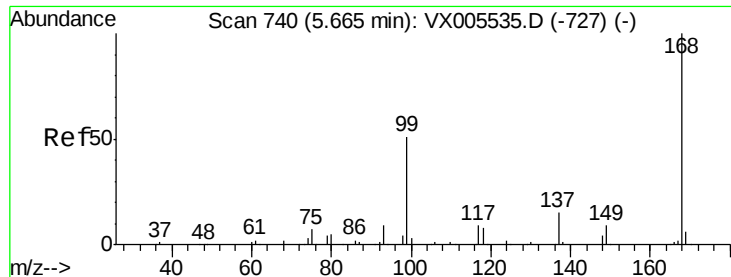
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX102418\
Data File : VX005533.D
Acq On : 24 Oct 2018 11:05
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Oct 25 01:48:53 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 25 01:45:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	16982	4.550	ug/l	99
94) Hexachlorobutadiene	13.78	225	8859	4.580	ug/l	98
95) Naphthalene	13.83	128	45432	4.188	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	17647	4.664	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005533.D

Acq: 24 Oct 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

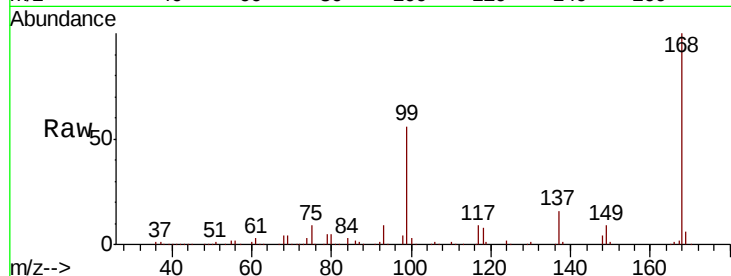
VSTDIC005

Tgt Ion: 168 Resp: 207105

Ion Ratio Lower Upper

168 100

99 55.9 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

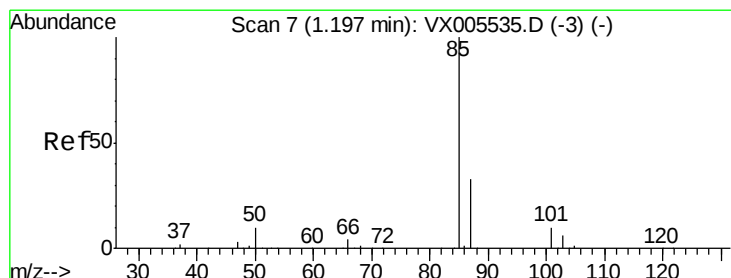
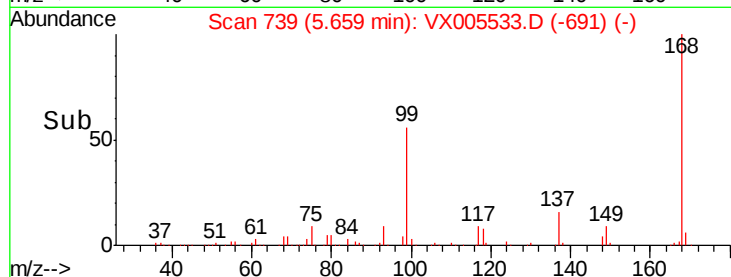
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 3.818 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005533.D

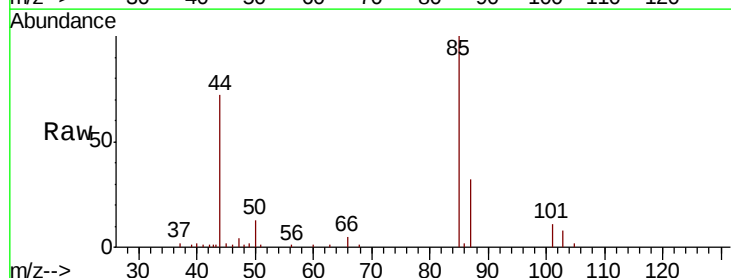
Acq: 24 Oct 2018 11:05

Tgt Ion: 85 Resp: 7805

Ion Ratio Lower Upper

85 100

87 31.7 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

8000

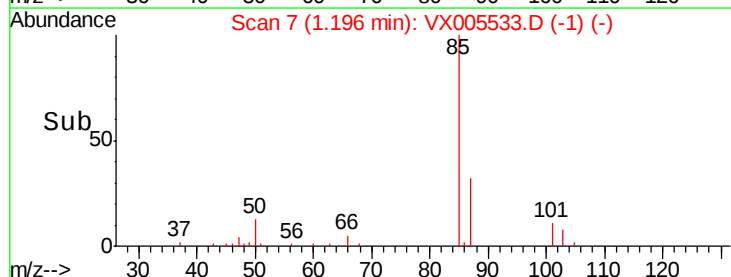
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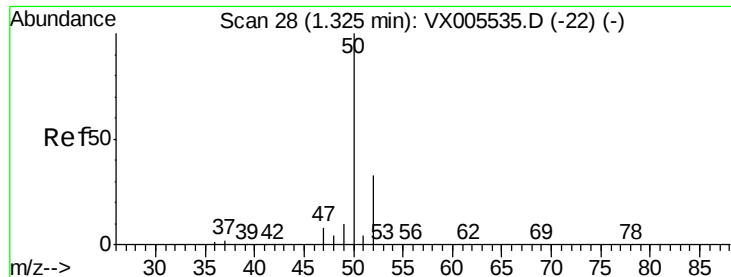
4000

2000

0

Time--> 1.15 1.20 1.25

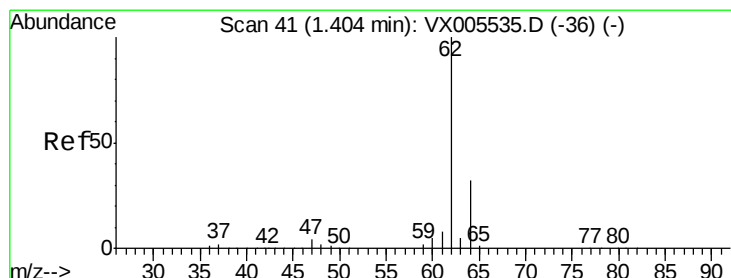
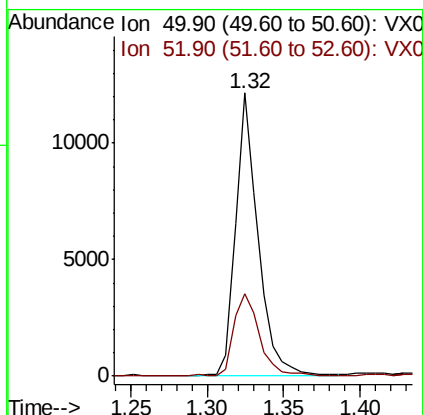
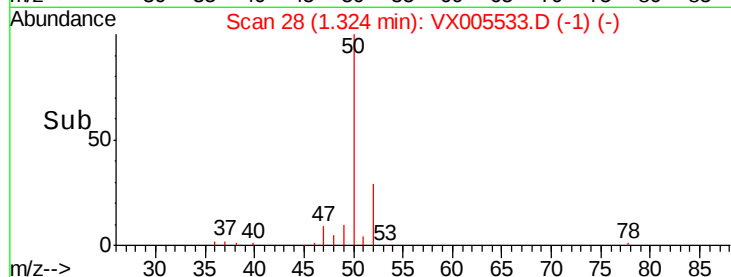
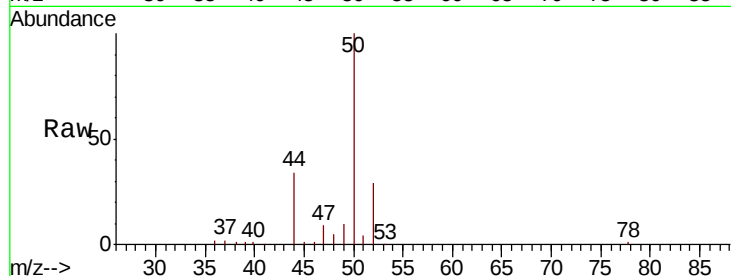




#3
Chloromethane
Concen: 4.784 ug/l
RT: 1.32 min Scan# 28
Delta R.T. -0.00 min
Lab File: VX005533.D
Acq: 24 Oct 2018 11:05

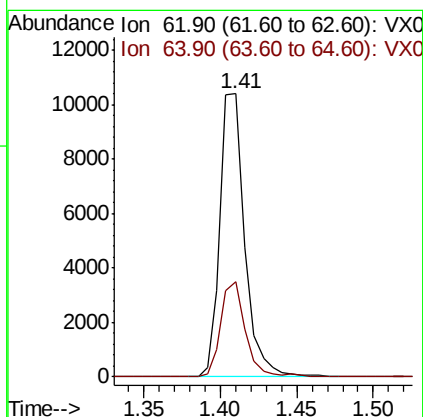
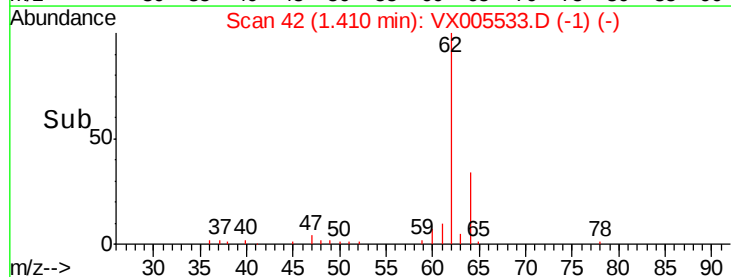
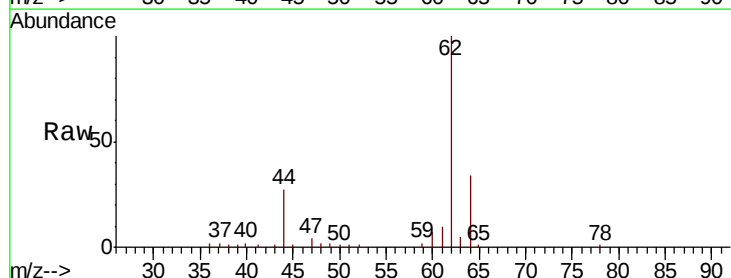
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

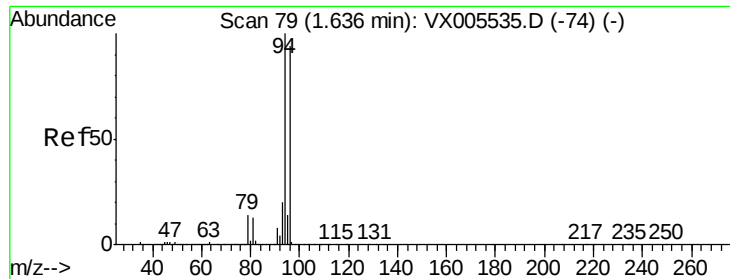
Tgt Ion: 50 Resp: 12455
Ion Ratio Lower Upper
50 100
52 29.1 26.2 39.2



#4
Vinyl Chloride
Concen: 4.575 ug/l
RT: 1.41 min Scan# 42
Delta R.T. 0.01 min
Lab File: VX005533.D
Acq: 24 Oct 2018 11:05

Tgt Ion: 62 Resp: 11711
Ion Ratio Lower Upper
62 100
64 33.5 25.3 37.9





#5

Bromomethane

Concen: 4.888 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005533.D

Acq: 24 Oct 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

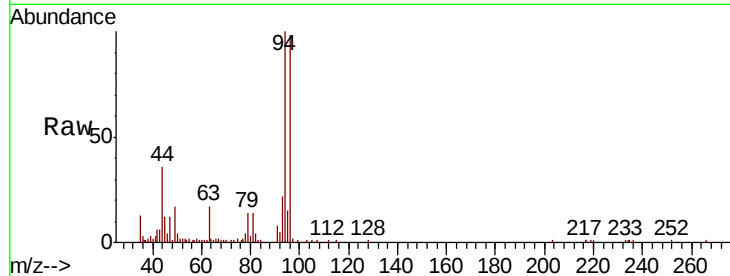
VSTDIC005

Tgt Ion: 94 Resp: 7786

Ion Ratio Lower Upper

94 100

96 98.3 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

8000

6000

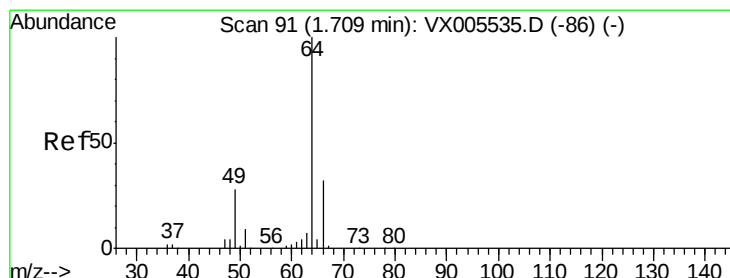
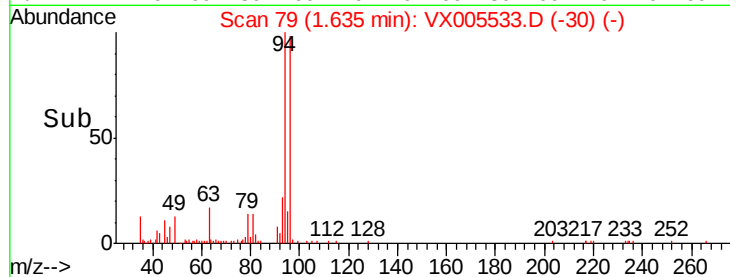
4000

2000

0

Time-->

1.55 1.60 1.65 1.70 1.75



#6

Chloroethane

Concen: 5.161 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.00 min

Lab File: VX005533.D

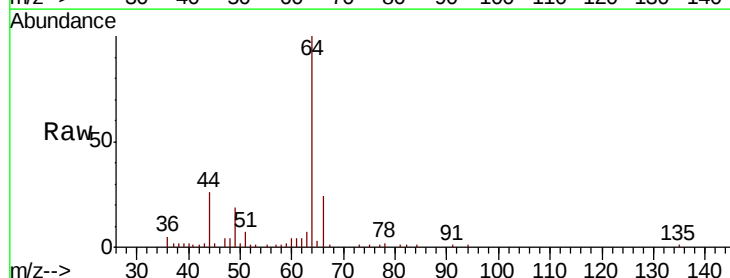
Acq: 24 Oct 2018 11:05

Tgt Ion: 64 Resp: 8440

Ion Ratio Lower Upper

64 100

66 24.3 25.8 38.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

8000

6000

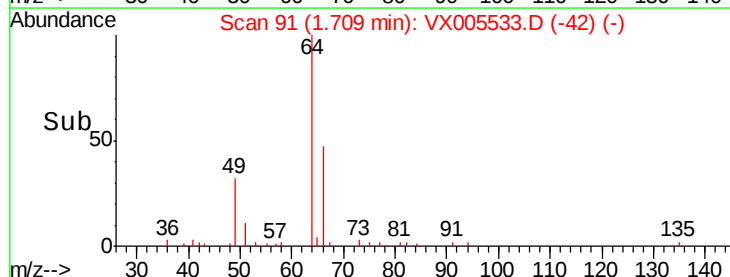
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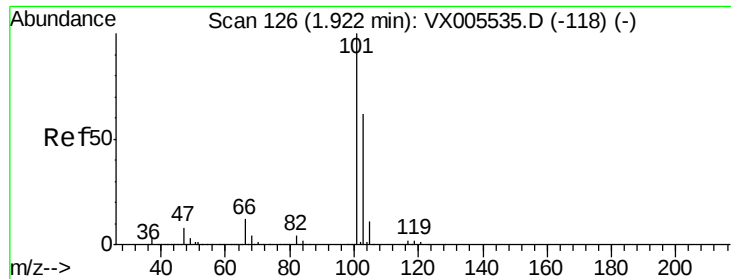
2000

0

Time-->

1.65 1.70 1.75 1.80 1.85



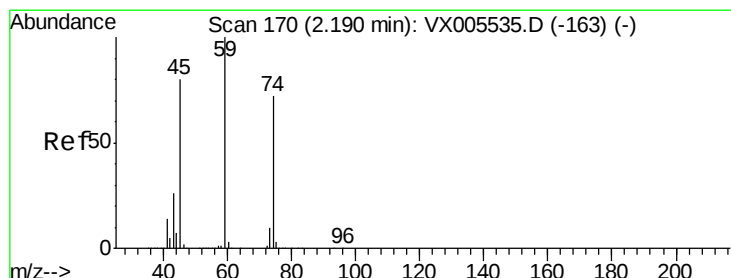
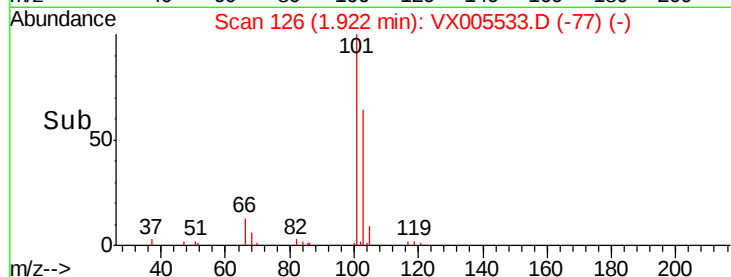
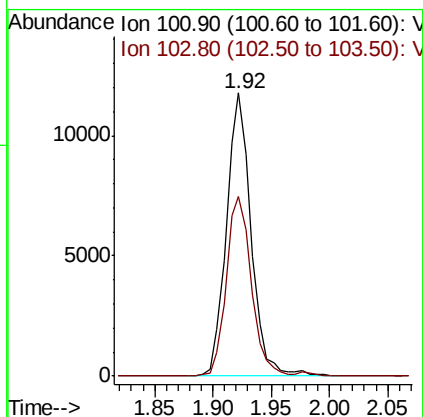
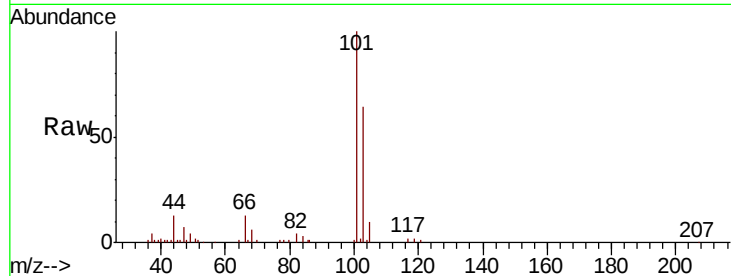


#7

Trichlorofluoromethane
 Concen: 4.857 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.00 min
 Lab File: VX005533.D
 Acq: 24 Oct 2018 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

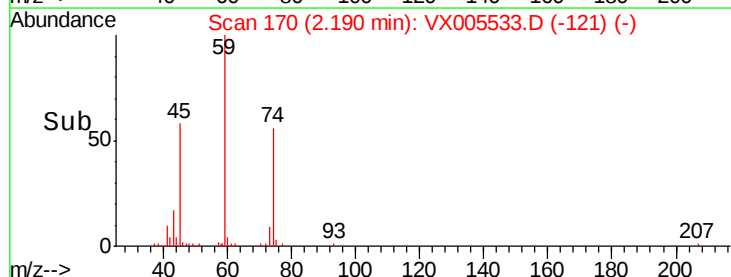
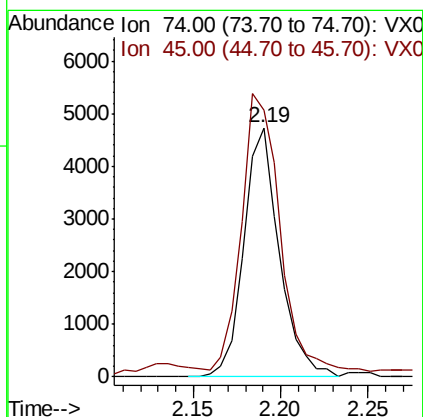
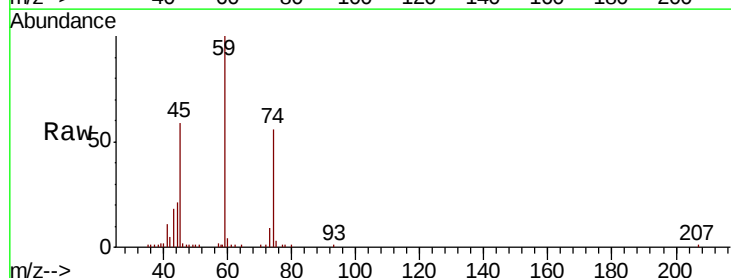
Tgt Ion:101 Resp: 17276
 Ion Ratio Lower Upper
 101 100
 103 63.6 50.0 75.0

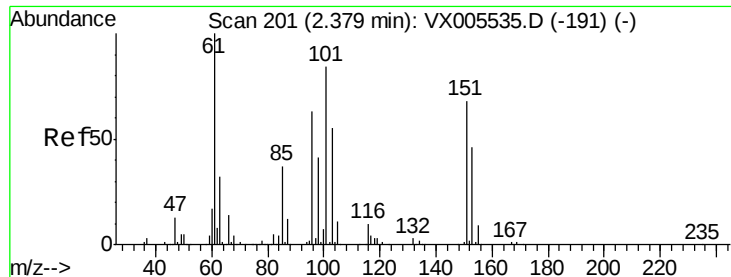


#8

Diethyl Ether
 Concen: 4.703 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005533.D
 Acq: 24 Oct 2018 11:05

Tgt Ion: 74 Resp: 6676
 Ion Ratio Lower Upper
 74 100
 45 120.0 54.1 162.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.087 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX005533.D

Acq: 24 Oct 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

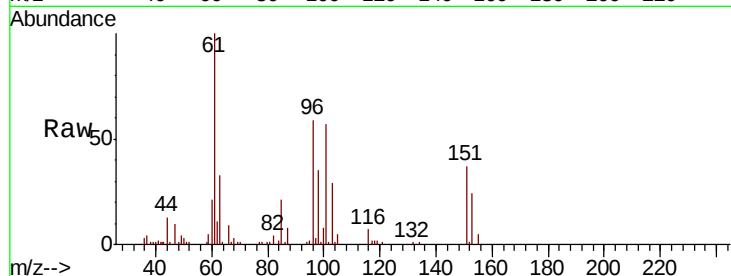
Tgt Ion:101 Resp: 10381

Ion Ratio Lower Upper

101 100

85 47.0 35.0 52.4

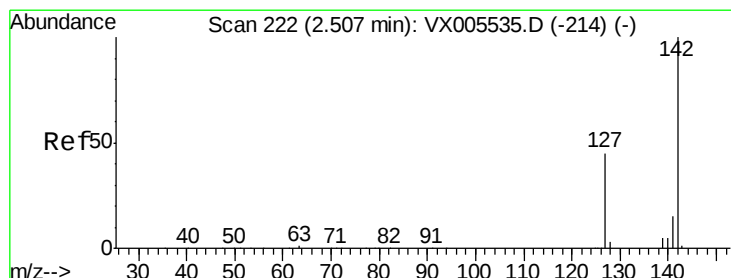
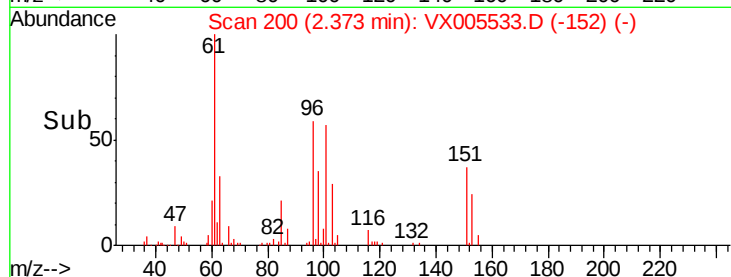
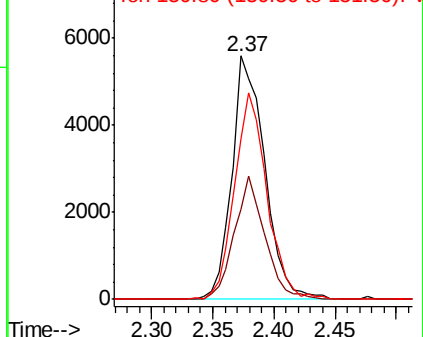
151 83.8 66.2 99.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 3.444 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX005533.D

Acq: 24 Oct 2018 11:05

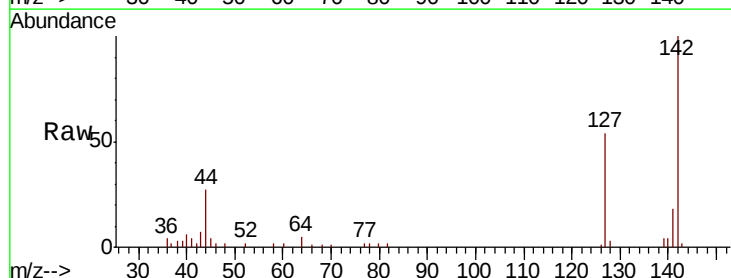
Tgt Ion:142 Resp: 6641

Ion Ratio Lower Upper

142 100

127 46.2 36.0 54.0

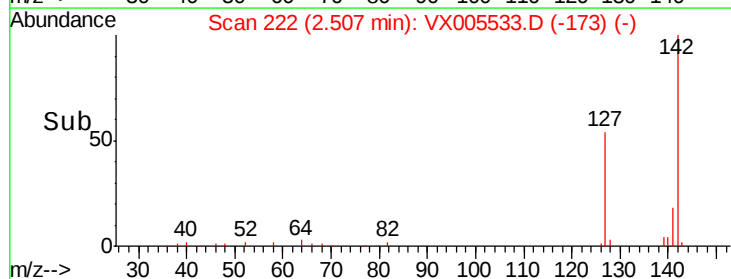
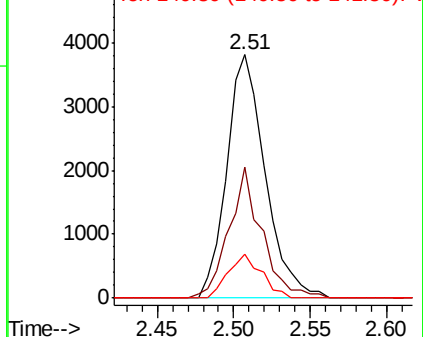
141 15.8 11.7 17.5

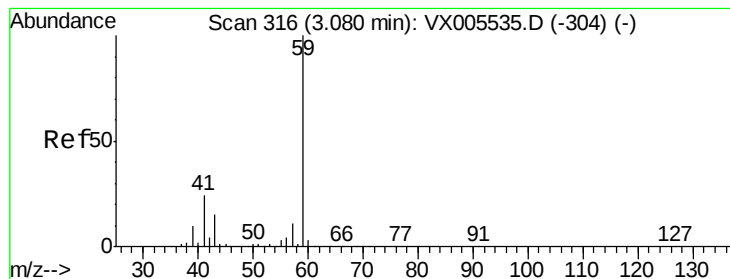


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 24.987 ug/l

RT: 3.07 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX005533.D

Acq: 24 Oct 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

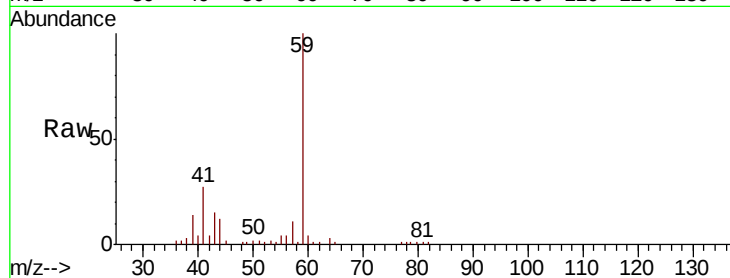
VSTDIC005

Tgt Ion: 59 Resp: 16999

Ion Ratio Lower Upper

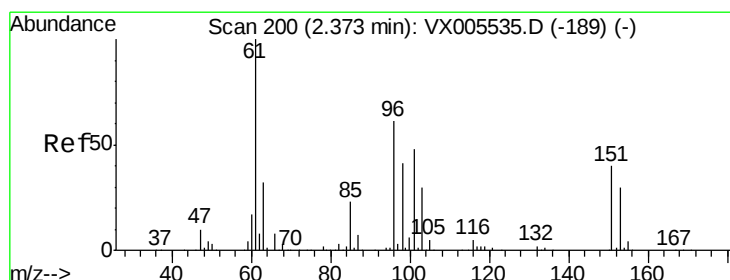
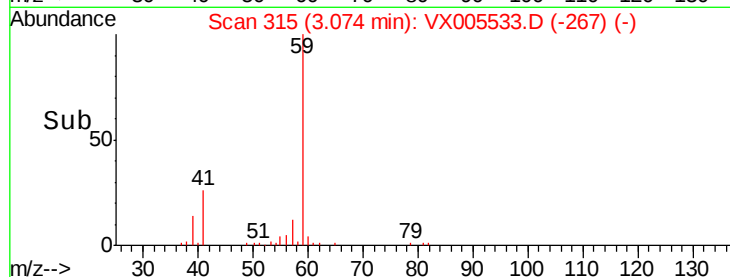
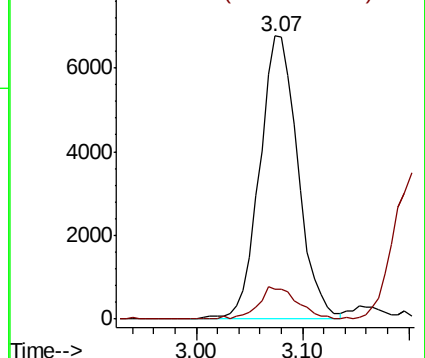
59 100

57 11.4 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#12

1,1-Dichloroethene

Concen: 4.947 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX005533.D

Acq: 24 Oct 2018 11:05

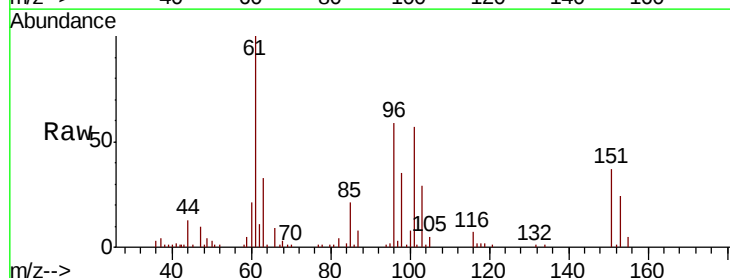
Tgt Ion: 96 Resp: 9618

Ion Ratio Lower Upper

96 100

61 169.8 131.8 197.8

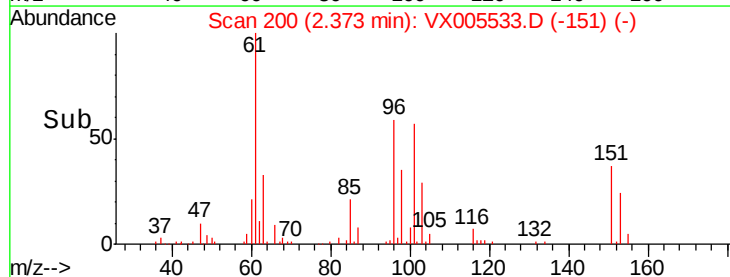
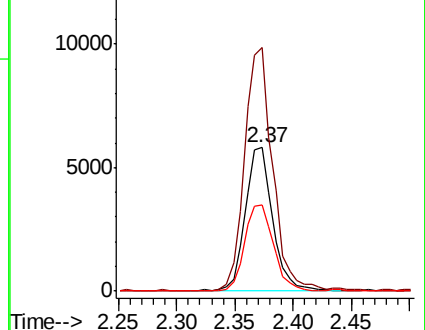
98 59.7 53.4 80.2

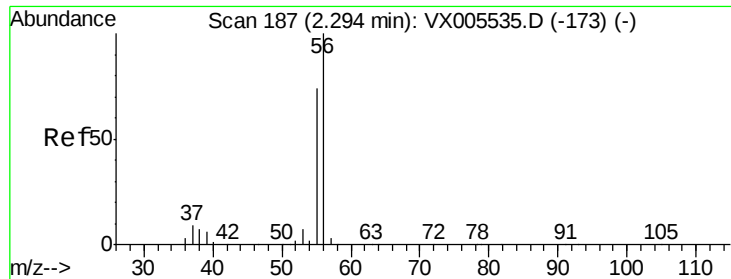


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#13

Acrolein

Concen: 25.001 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX005533.D

Acq: 24 Oct 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

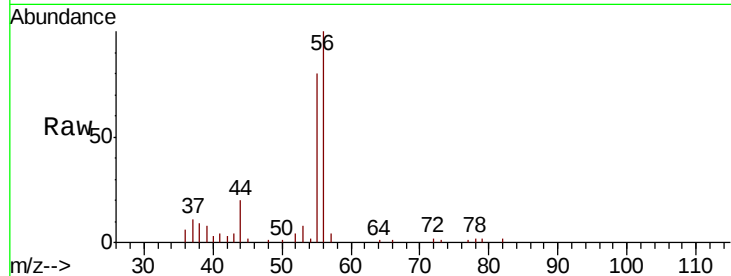
VSTDIC005

Tgt Ion: 56 Resp: 8676

Ion Ratio Lower Upper

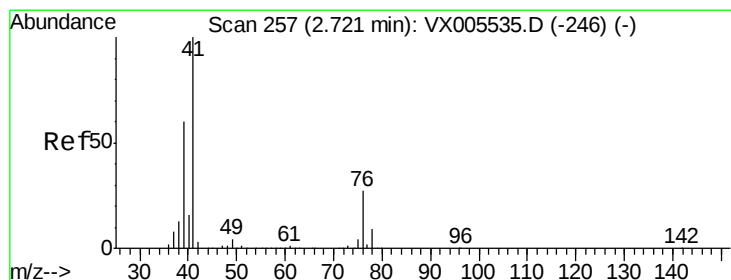
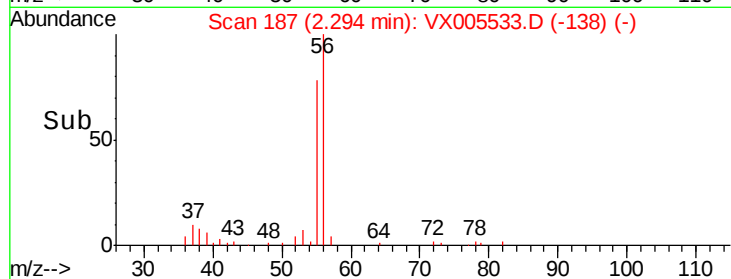
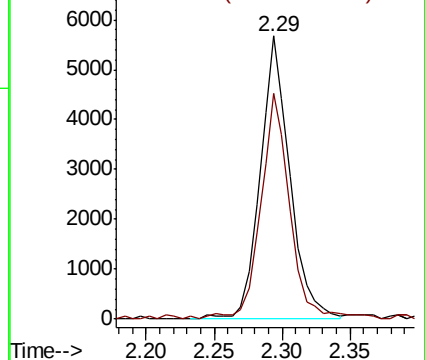
56 100

55 79.0 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 5.124 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.00 min

Lab File: VX005533.D

Acq: 24 Oct 2018 11:05

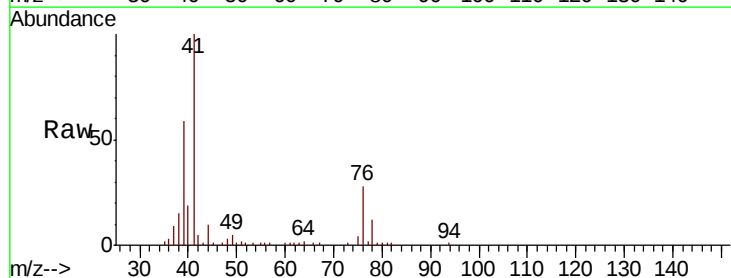
Tgt Ion: 41 Resp: 22233

Ion Ratio Lower Upper

41 100

39 60.2 48.2 72.4

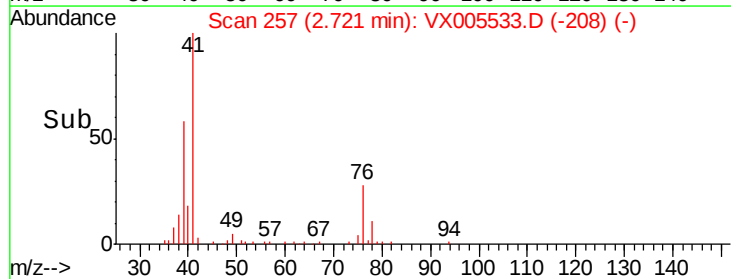
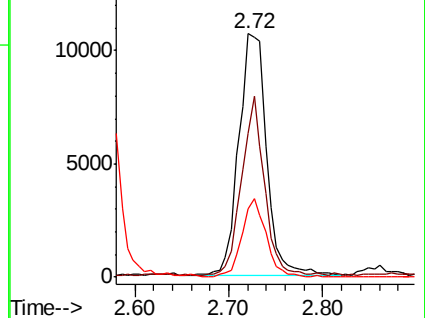
76 27.8 21.9 32.9

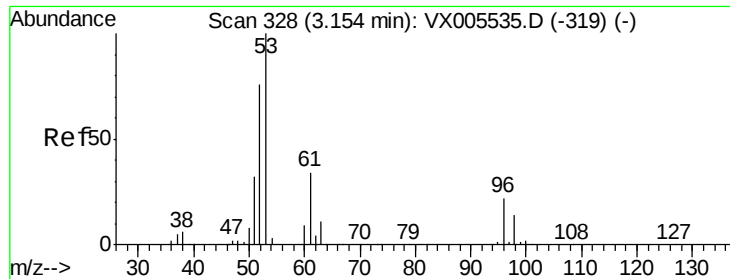


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

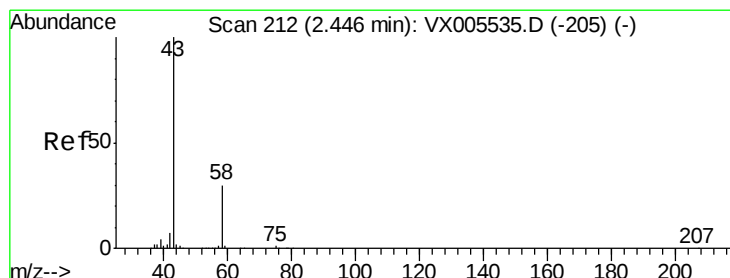
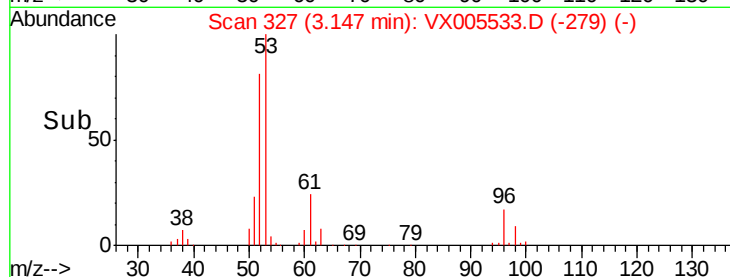
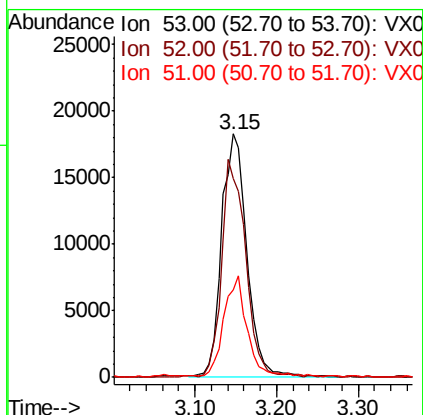
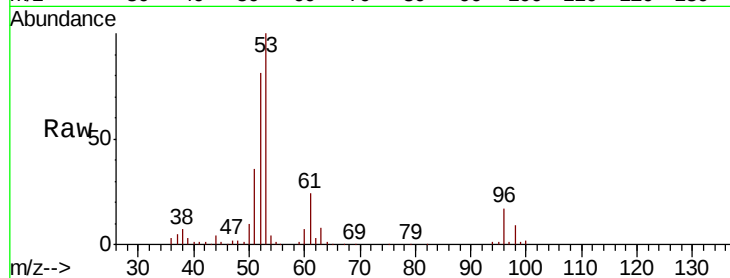




#15
Acrylonitrile
Concen: 25.848 ug/l
RT: 3.15 min Scan# 327
Delta R.T. -0.01 min
Lab File: VX005533.D
Acq: 24 Oct 2018 11:05

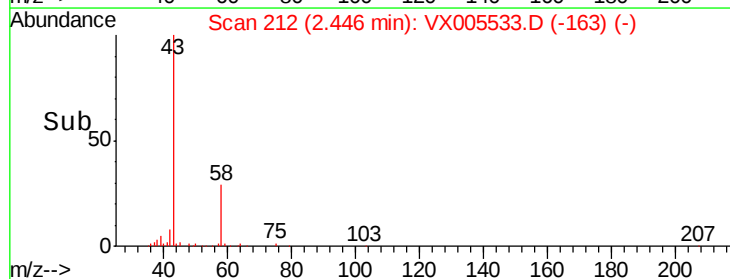
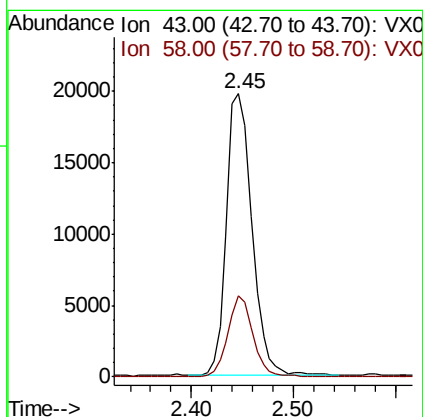
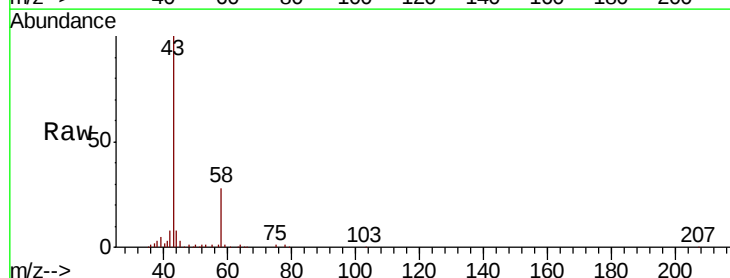
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

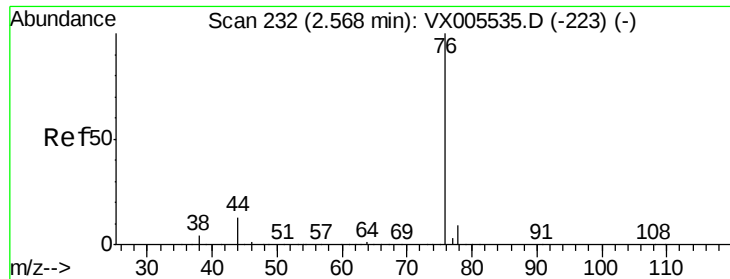
Tgt Ion: 53 Resp: 39431
Ion Ratio Lower Upper
53 100
52 82.3 66.6 99.8
51 39.1 28.4 42.6



#16
Acetone
Concen: 25.638 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX005533.D
Acq: 24 Oct 2018 11:05

Tgt Ion: 43 Resp: 34249
Ion Ratio Lower Upper
43 100
58 28.6 23.8 35.6





#17

Carbon Disulfide

Concen: 4.713 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX005533.D

Acq: 24 Oct 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

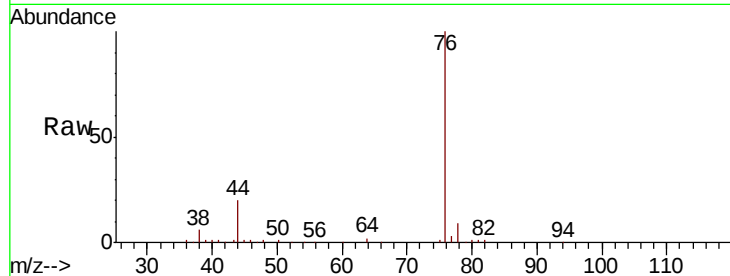
VSTDIC005

Tgt Ion: 76 Resp: 27930

Ion Ratio Lower Upper

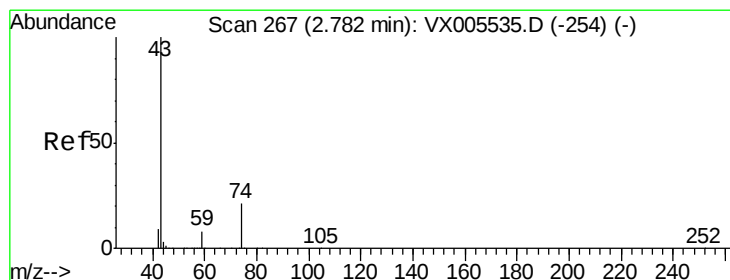
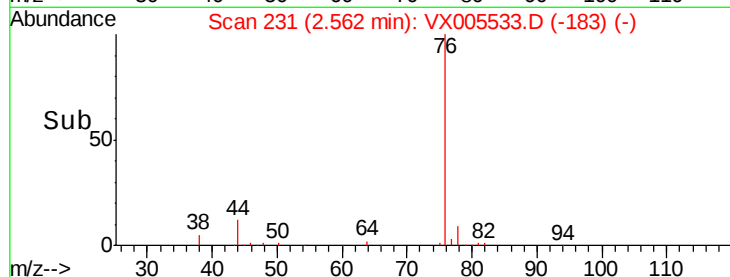
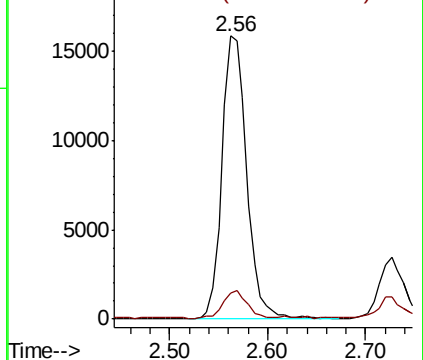
76 100

78 9.1 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 5.659 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005533.D

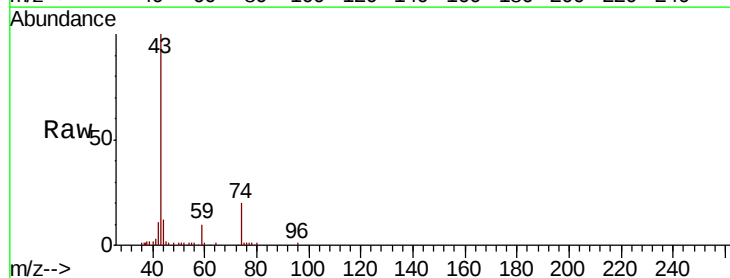
Acq: 24 Oct 2018 11:05

Tgt Ion: 43 Resp: 21176

Ion Ratio Lower Upper

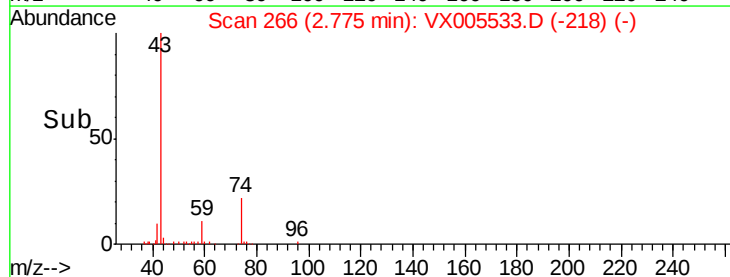
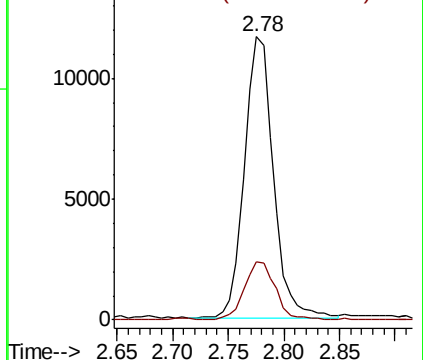
43 100

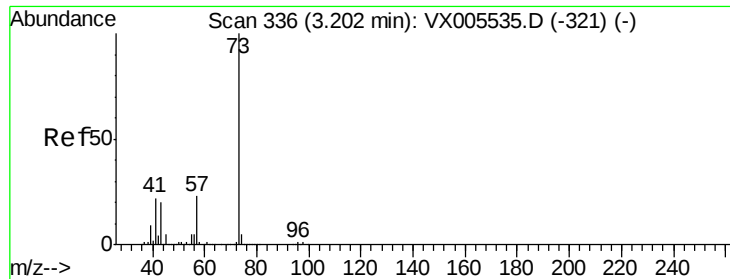
74 22.0 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

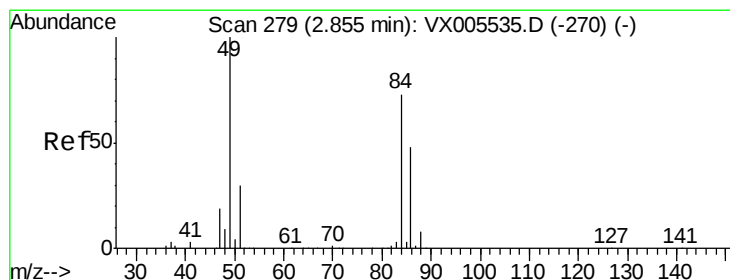
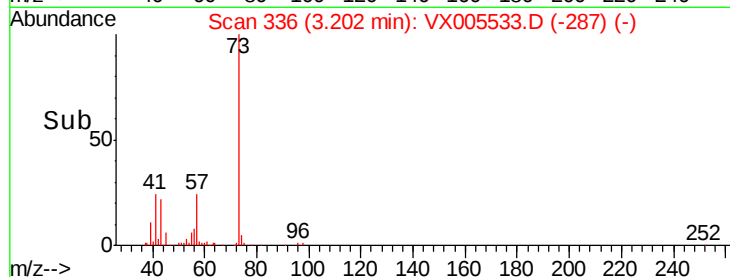
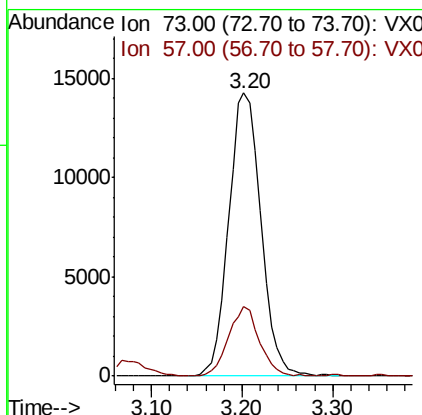
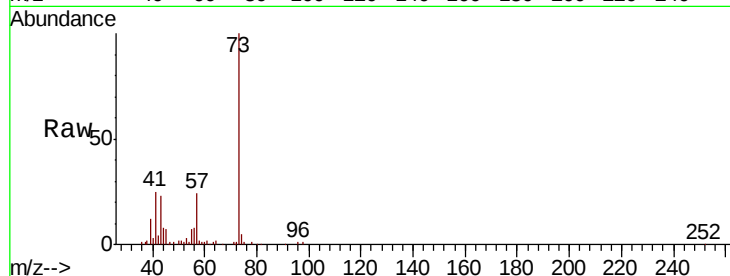




#19
Methyl tert-butyl Ether
Concen: 5.076 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX005533.D
Acq: 24 Oct 2018 11:05

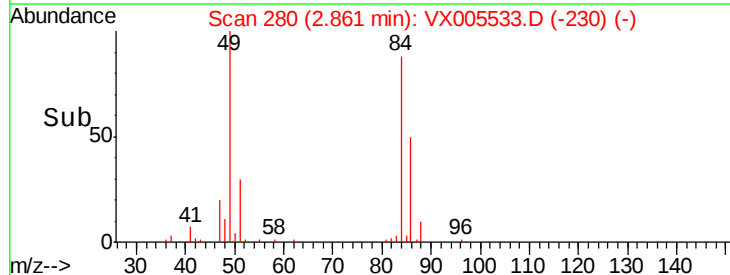
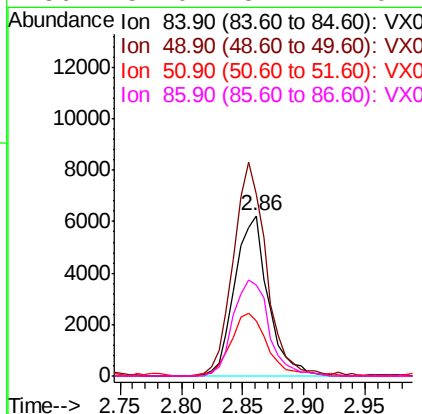
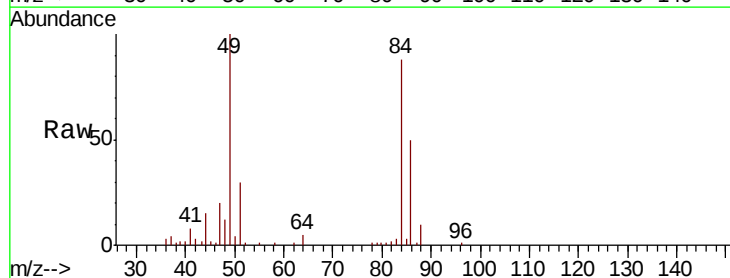
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

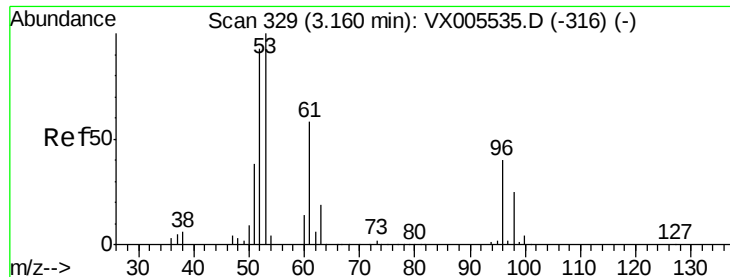
Tgt Ion: 73 Resp: 35200
Ion Ratio Lower Upper
73 100
57 24.1 18.8 28.2



#20
Methylene Chloride
Concen: 5.250 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005533.D
Acq: 24 Oct 2018 11:05

Tgt Ion: 84 Resp: 11746
Ion Ratio Lower Upper
84 100
49 113.5 109.5 164.3
51 34.3 33.3 49.9
86 57.0 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 5.243 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX005533.D

Acq: 24 Oct 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

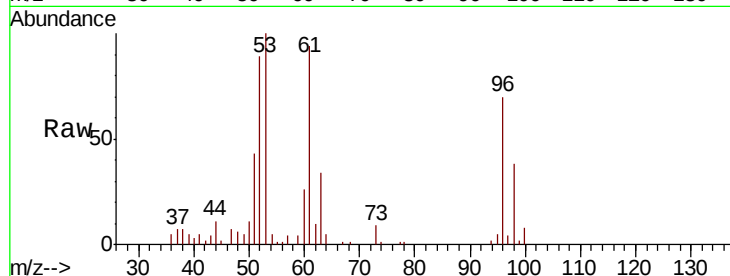
Tgt Ion: 96 Resp: 11130

Ion Ratio Lower Upper

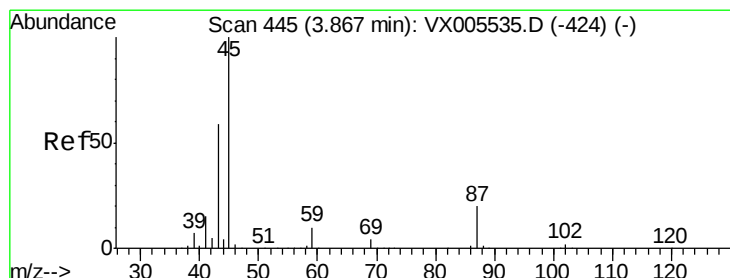
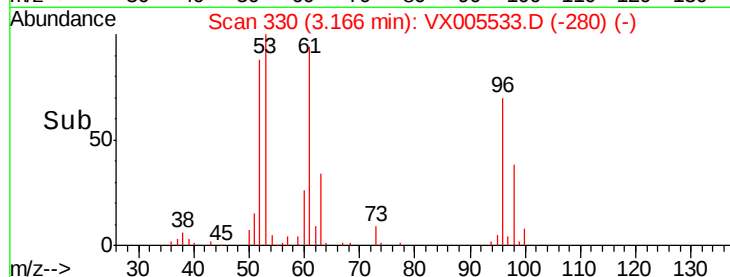
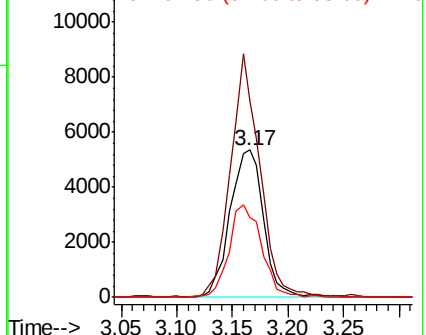
96 100

61 133.5 115.6 173.4

98 54.2 50.2 75.2



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 4.980 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX005533.D

Acq: 24 Oct 2018 11:05

Tgt Ion: 45 Resp: 37736

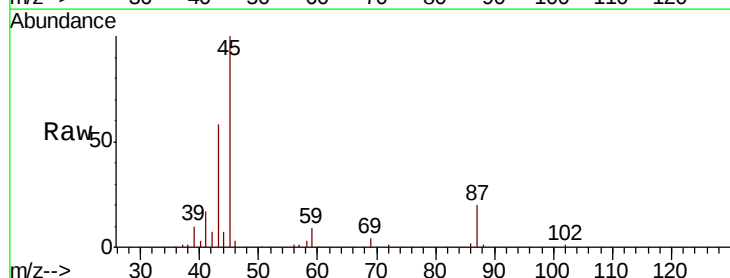
Ion Ratio Lower Upper

45 100

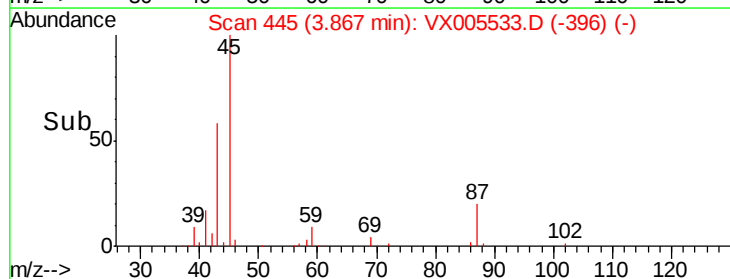
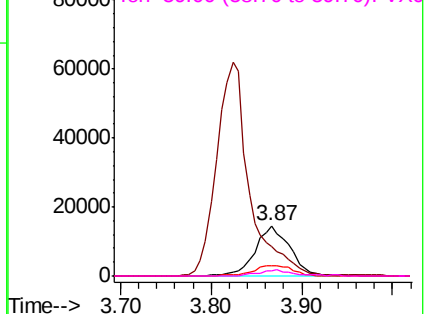
43 55.2 47.4 71.2

87 20.2 15.9 23.9

59 9.2 7.7 11.5



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 23.463 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX005533.D

Acq: 24 Oct 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

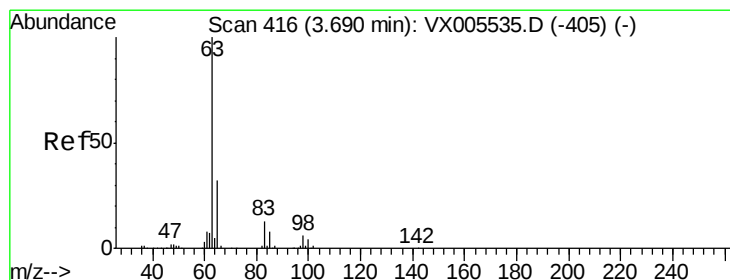
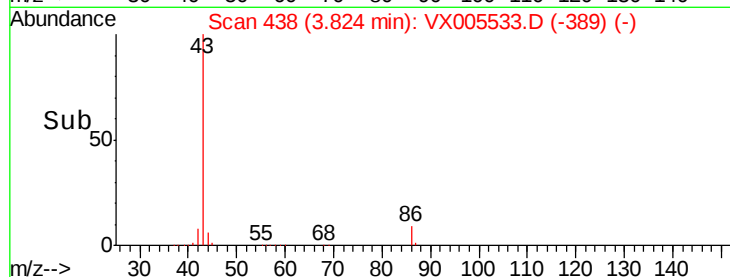
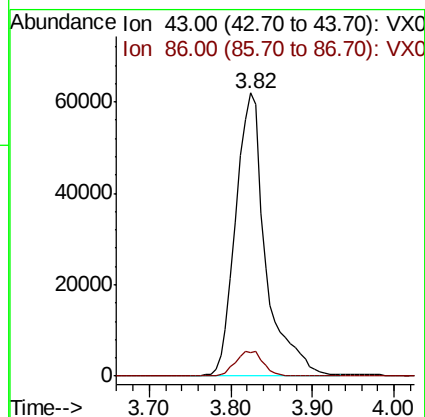
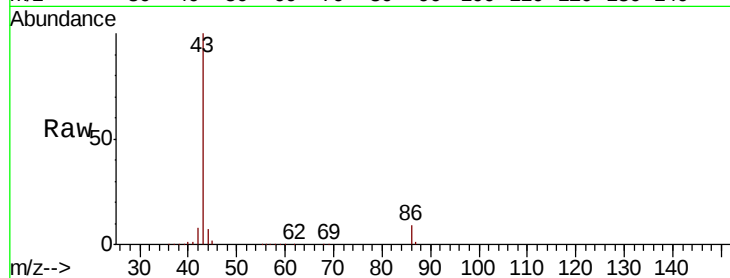
VSTDIC005

Tgt Ion: 43 Resp: 156569

Ion Ratio Lower Upper

43 100

86 8.6 7.4 11.2



#24

1,1-Dichloroethane

Concen: 5.109 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005533.D

Acq: 24 Oct 2018 11:05

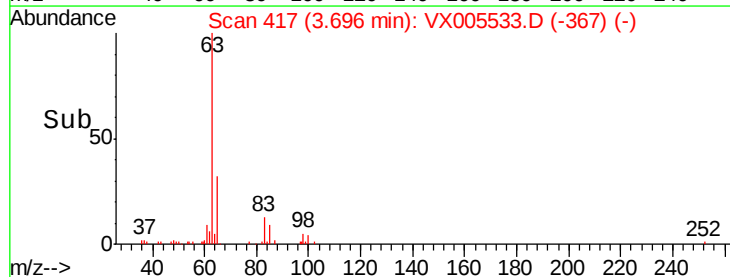
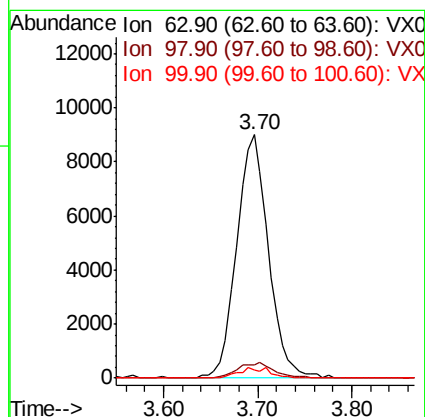
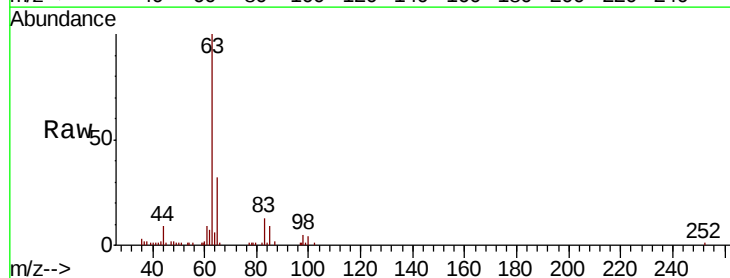
Tgt Ion: 63 Resp: 21046

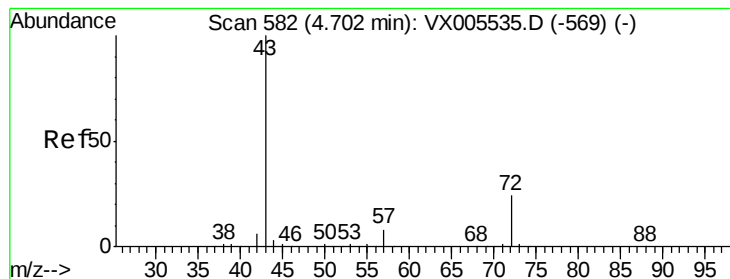
Ion Ratio Lower Upper

63 100

98 5.4 3.2 9.6

100 3.6 2.1 6.2





#25

2-Butanone

Concen: 24.838 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX005533.D

Acq: 24 Oct 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

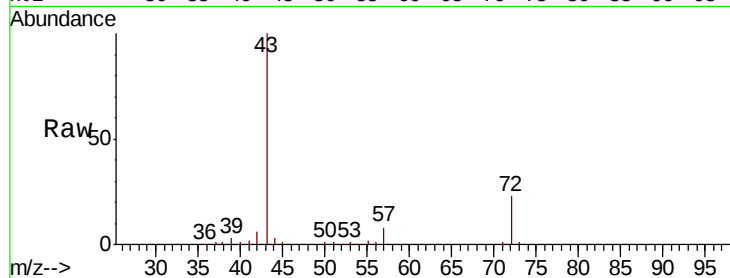
VSTDIC005

Tgt Ion: 43 Resp: 50528

Ion Ratio Lower Upper

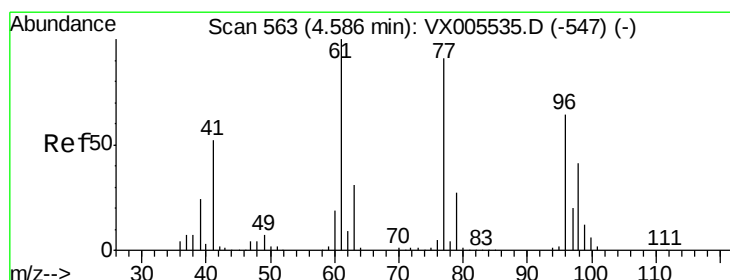
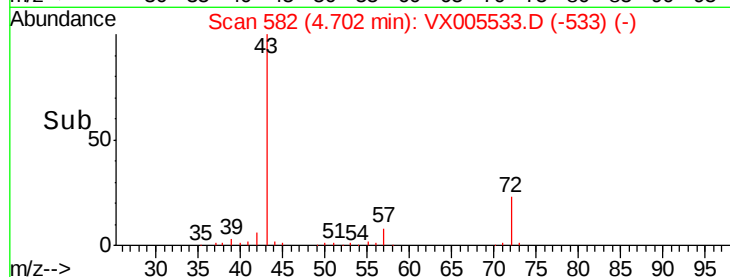
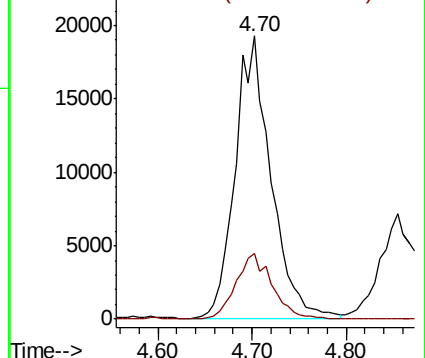
43 100

72 23.2 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 5.120 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX005533.D

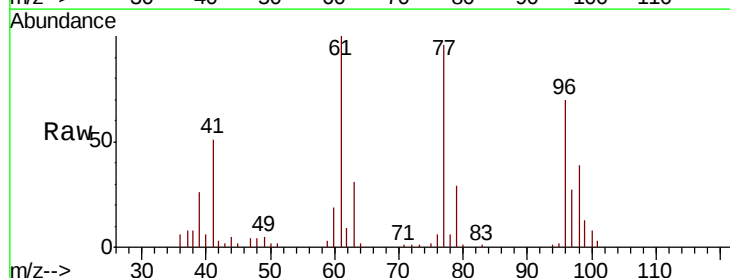
Acq: 24 Oct 2018 11:05

Tgt Ion: 77 Resp: 16282

Ion Ratio Lower Upper

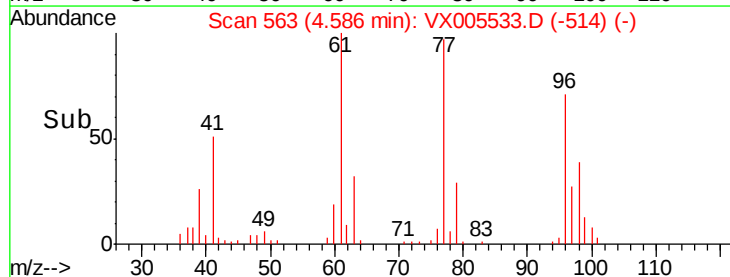
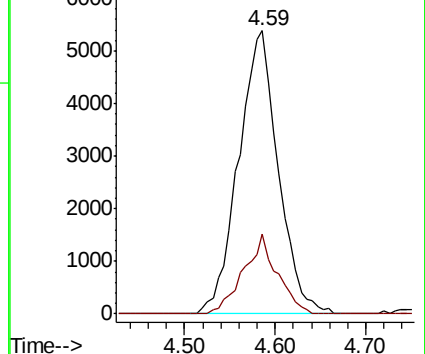
77 100

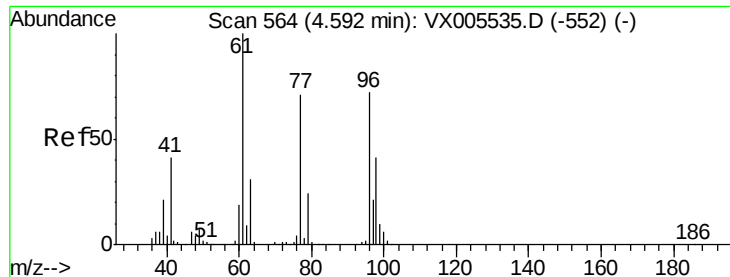
97 23.7 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 5.052 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.00 min

Lab File: VX005533.D

Acq: 24 Oct 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

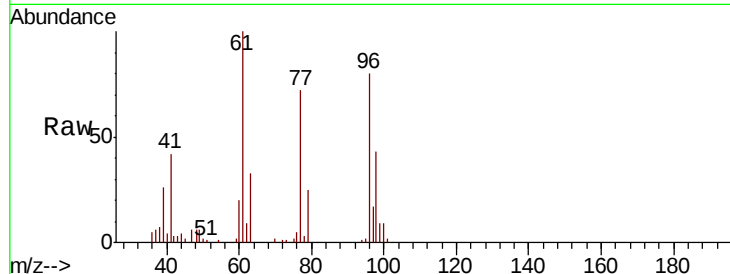
Tgt Ion: 96 Resp: 11562

Ion Ratio Lower Upper

96 100

61 158.0 0.0 304.6

98 62.9 0.0 127.4

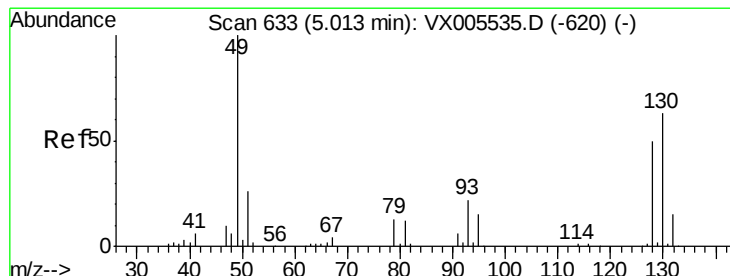
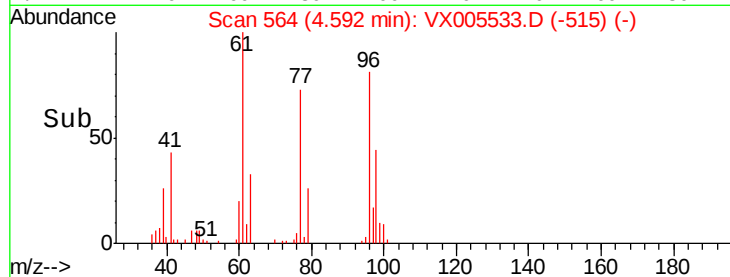
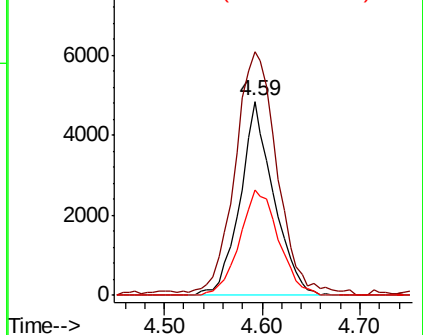


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 4.955 ug/l

RT: 5.03 min Scan# 635

Delta R.T. 0.01 min

Lab File: VX005533.D

Acq: 24 Oct 2018 11:05

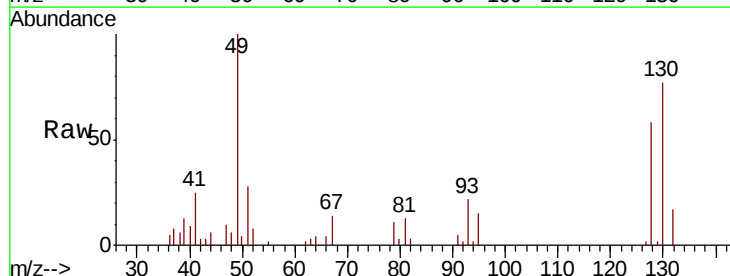
Tgt Ion: 49 Resp: 9873

Ion Ratio Lower Upper

49 100

129 1.3 0.0 4.0

130 76.9 58.9 88.3

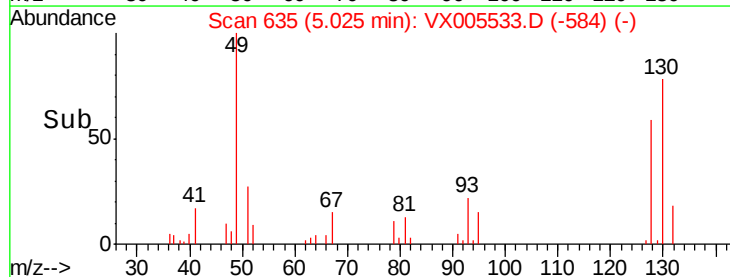
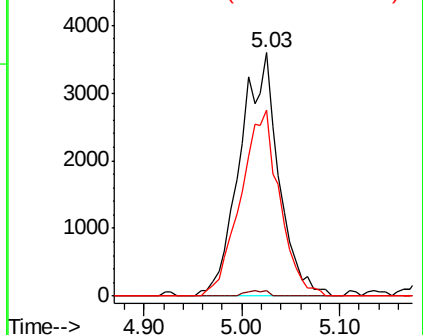


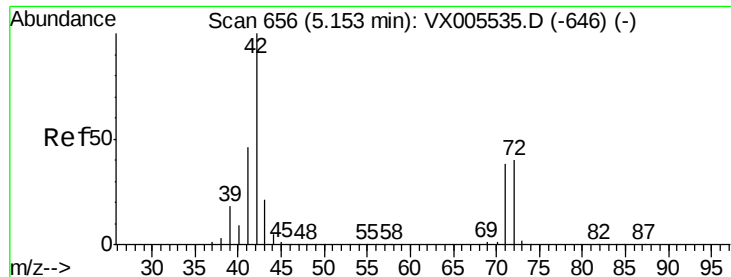
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

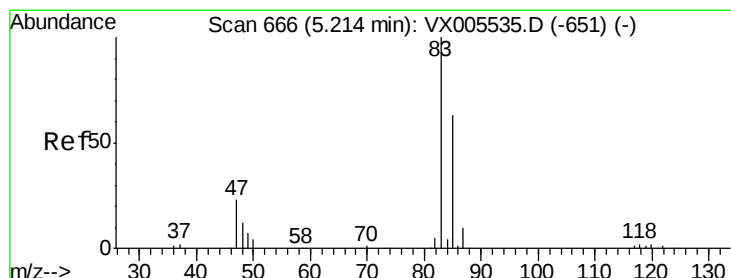
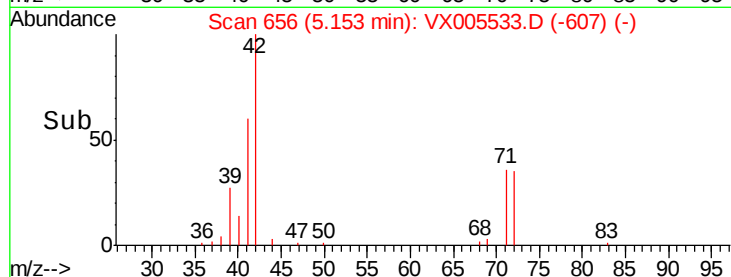
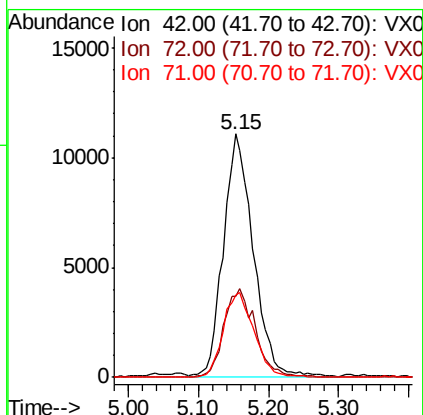
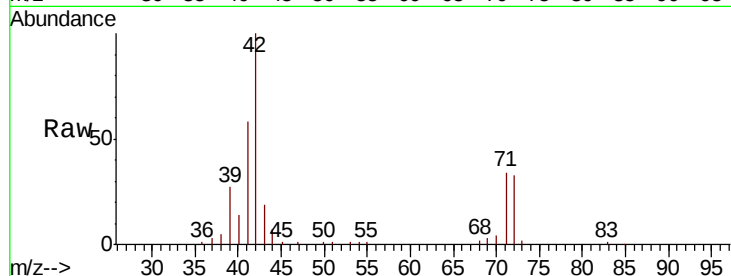




#29
Tetrahydrofuran
Concen: 25.016 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX005533.D
Acq: 24 Oct 2018 11:05

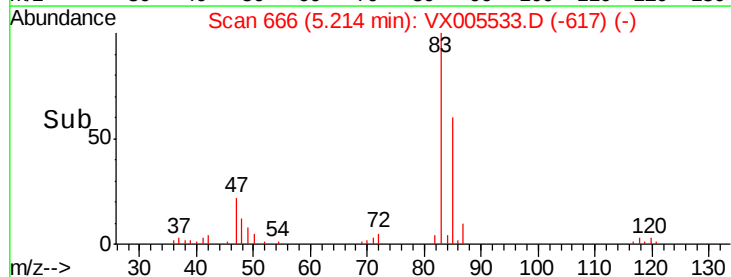
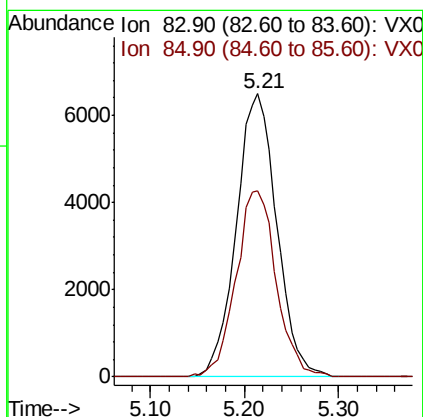
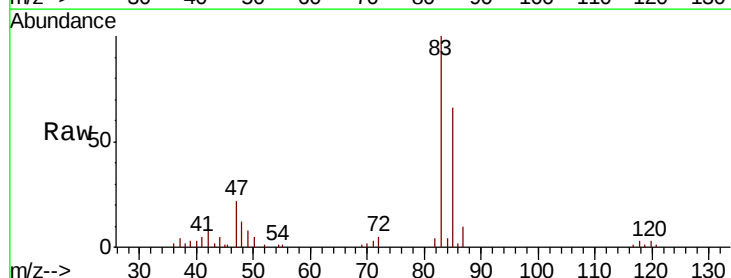
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

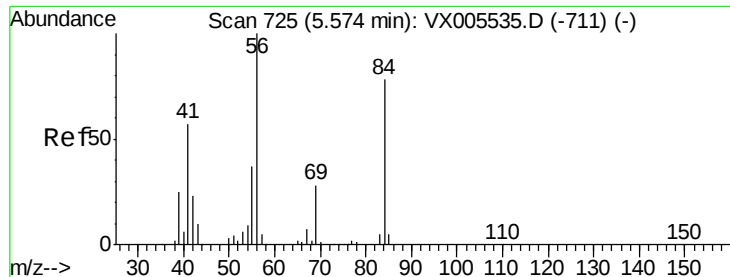
Tgt Ion: 42 Resp: 33118
Ion Ratio Lower Upper
42 100
72 37.9 32.0 48.0
71 35.6 29.8 44.8



#30
Chloroform
Concen: 5.059 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005533.D
Acq: 24 Oct 2018 11:05

Tgt Ion: 83 Resp: 19494
Ion Ratio Lower Upper
83 100
85 65.6 50.6 76.0

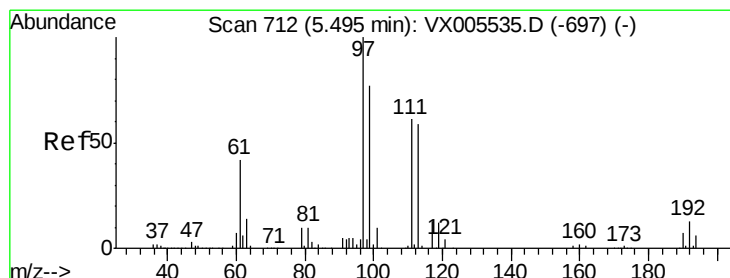
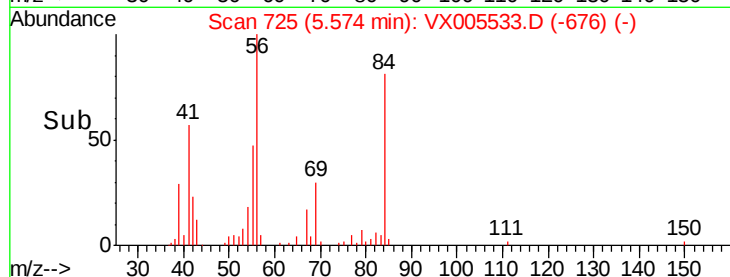
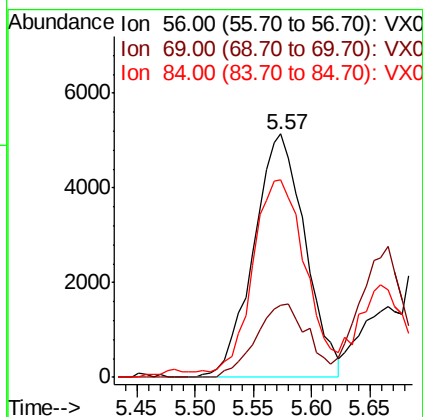
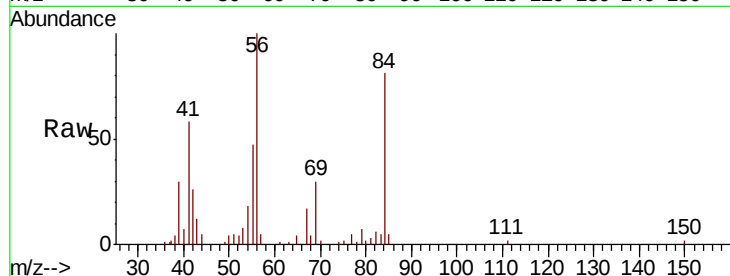




#31
Cyclohexane
Concen: 4.605 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX005533.D
Acq: 24 Oct 2018 11:05

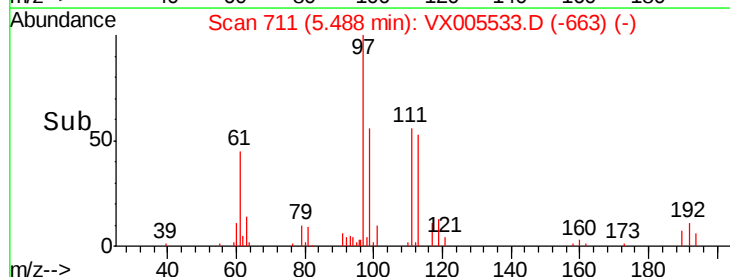
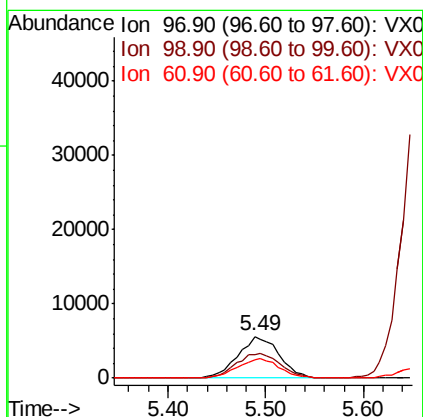
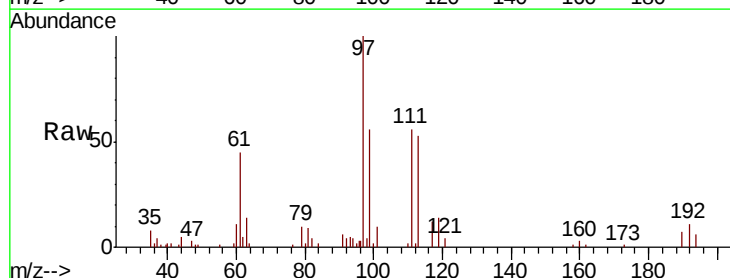
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

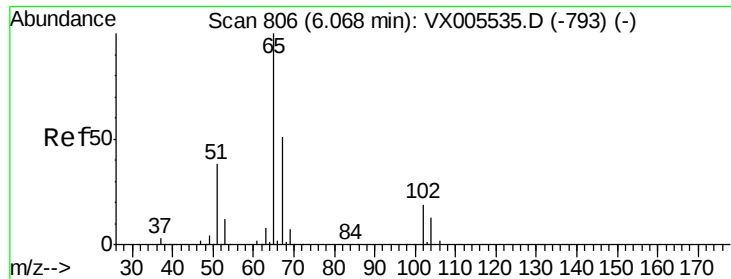
Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.6	22.6	34.0
84	79.2	62.7	94.1



#32
1,1,1-Trichloroethane
Concen: 4.819 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX005533.D
Acq: 24 Oct 2018 11:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.3	78.5
61	47.6	35.2	52.8

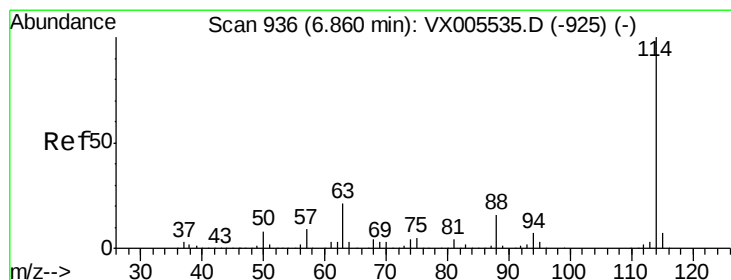
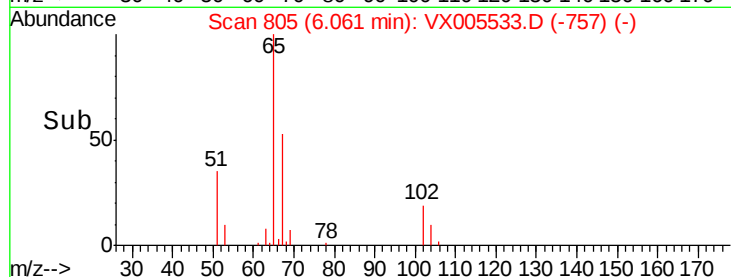
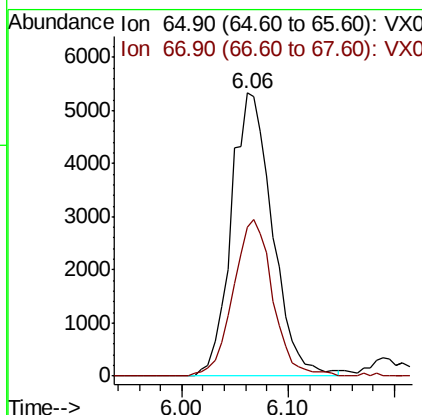
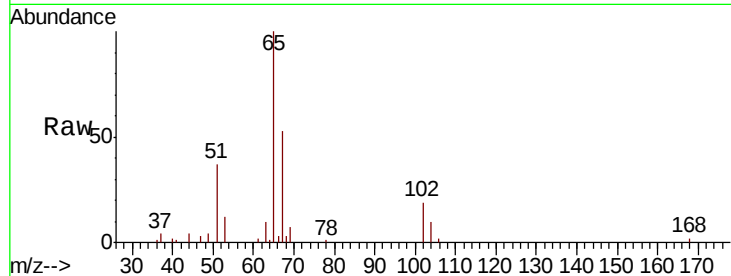




#33
 1,2-Dichloroethane-d4
 Concen: 5.731 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX005533.D
 Acq: 24 Oct 2018 11:05

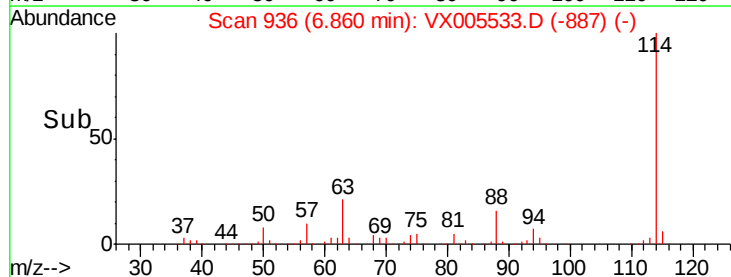
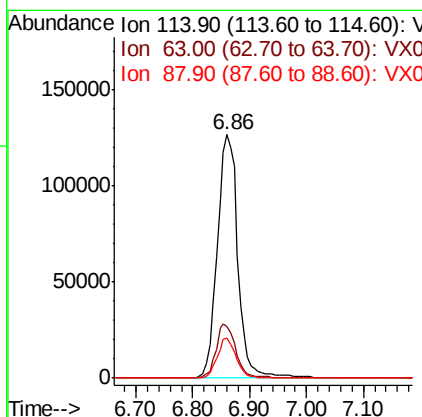
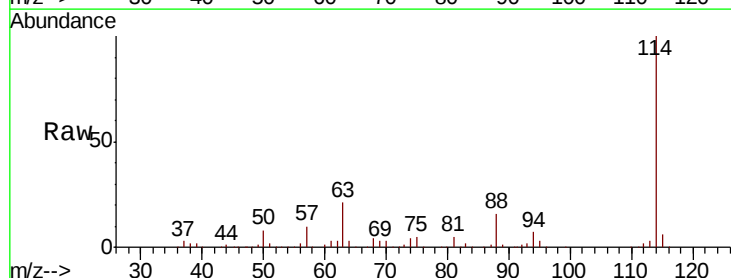
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

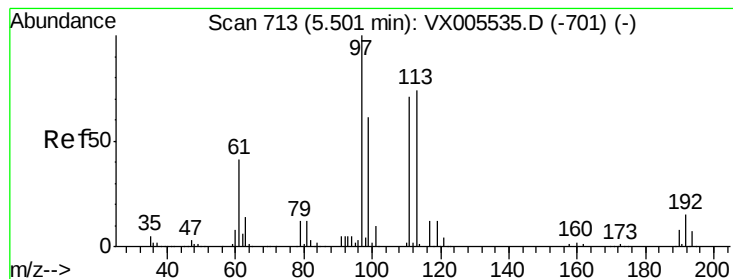
Tgt Ion: 65 Resp: 14489
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005533.D
 Acq: 24 Oct 2018 11:05

Tgt Ion: 114 Resp: 317220
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 42.8
 88 16.4 0.0 31.2





#35

Dibromofluoromethane

Concen: 5.262 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005533.D

Acq: 24 Oct 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

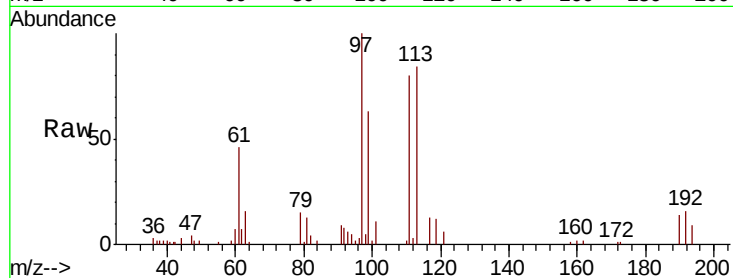
Tgt Ion:113 Resp: 11303

Ion Ratio Lower Upper

113 100

111 99.2 82.3 123.5

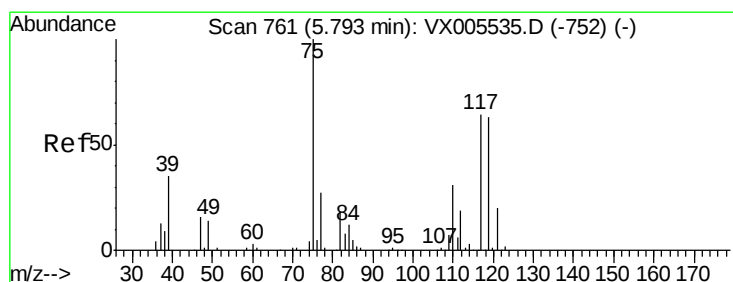
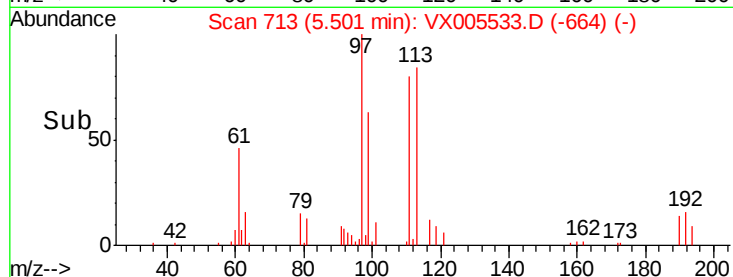
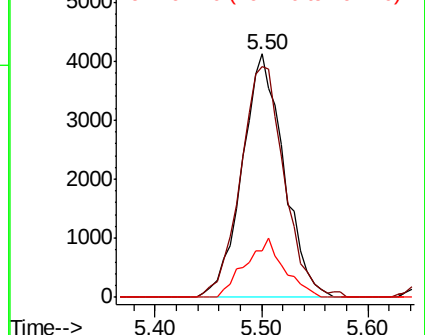
192 22.4 17.9 26.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.656 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.00 min

Lab File: VX005533.D

Acq: 24 Oct 2018 11:05

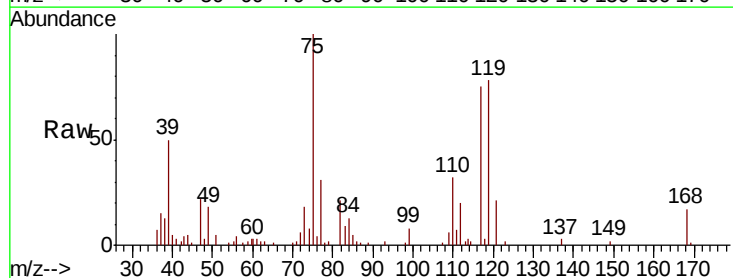
Tgt Ion: 75 Resp: 14333

Ion Ratio Lower Upper

75 100

110 34.9 17.4 52.2

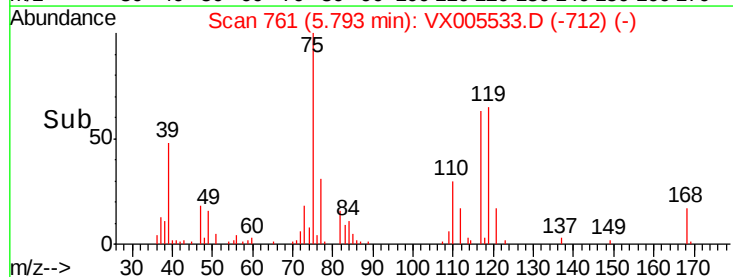
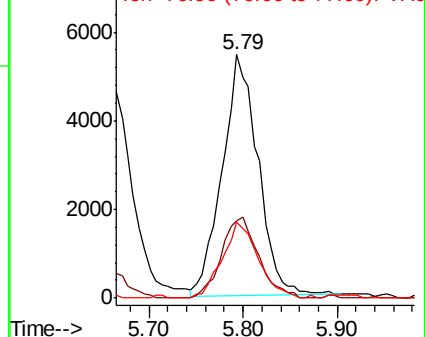
77 31.7 25.8 38.6

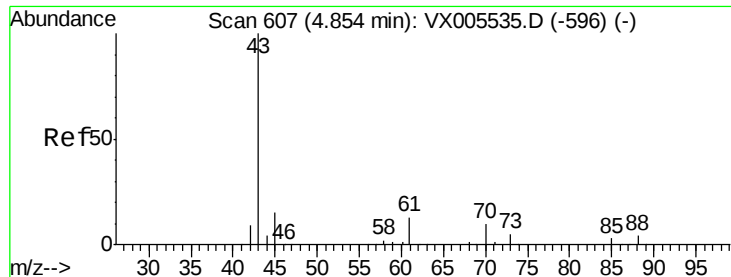


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

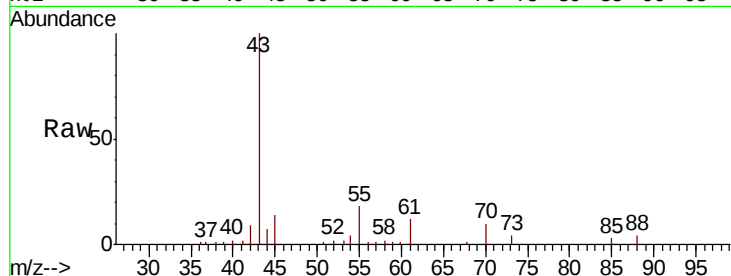




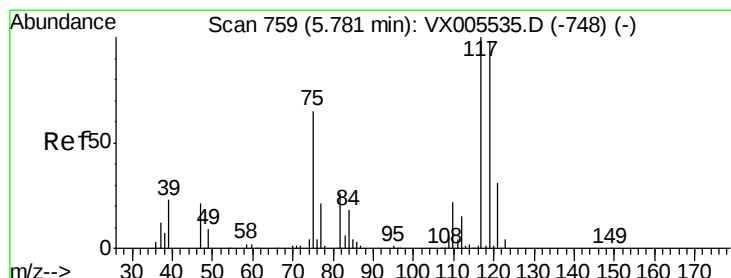
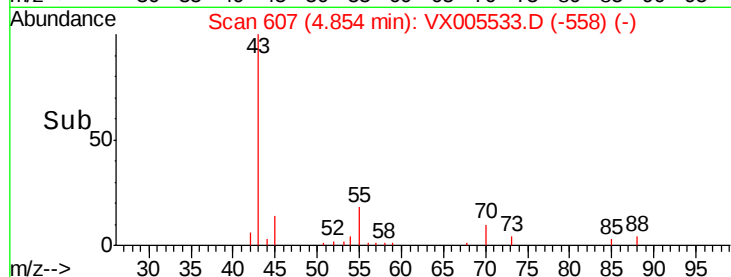
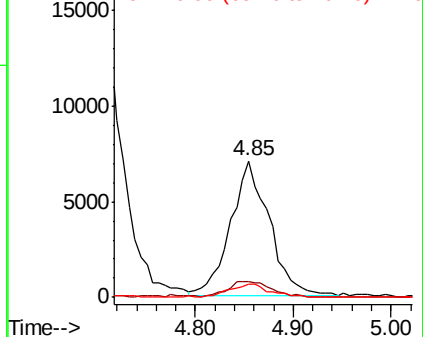
#37
Ethyl Acetate
Concen: 4.882 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX005533.D
Acq: 24 Oct 2018 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 19177
Ion Ratio Lower Upper
43 100
61 13.7 10.8 16.2
70 10.4 7.8 11.8

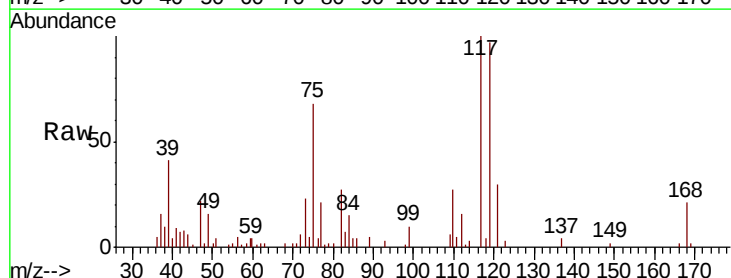


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

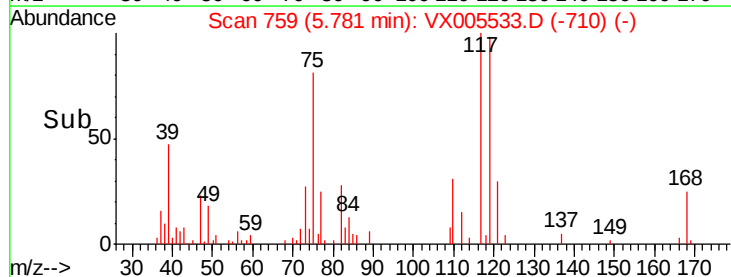
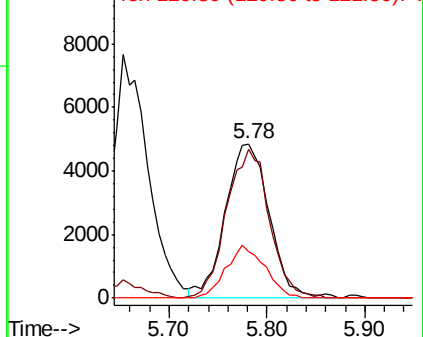


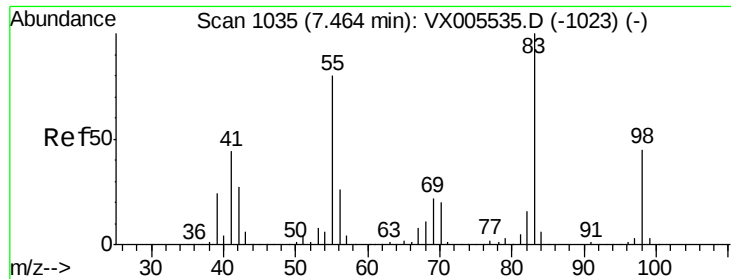
#38
Carbon Tetrachloride
Concen: 4.664 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005533.D
Acq: 24 Oct 2018 11:05

Tgt Ion: 117 Resp: 15121
Ion Ratio Lower Upper
117 100
119 96.6 78.1 117.1
121 29.9 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

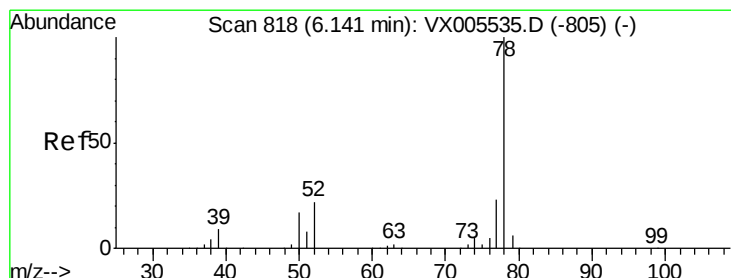
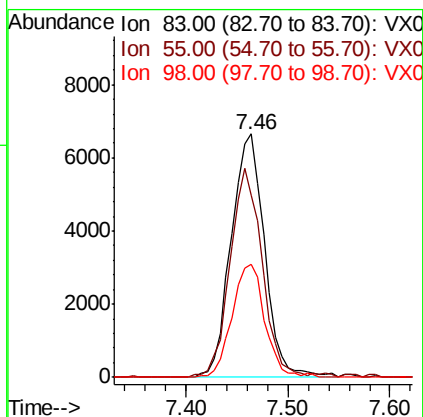
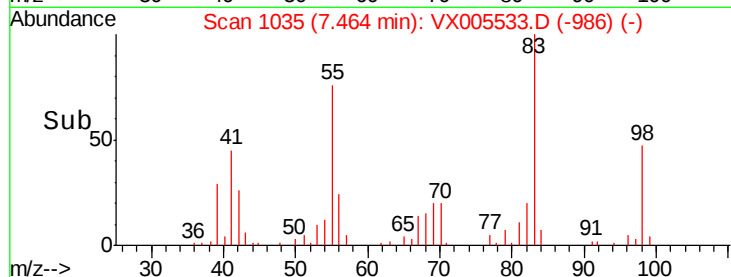
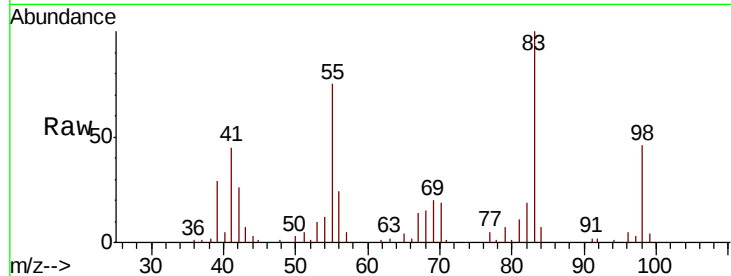




#39
Methylcyclohexane
Concen: 4.452 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX005533.D
Acq: 24 Oct 2018 11:05

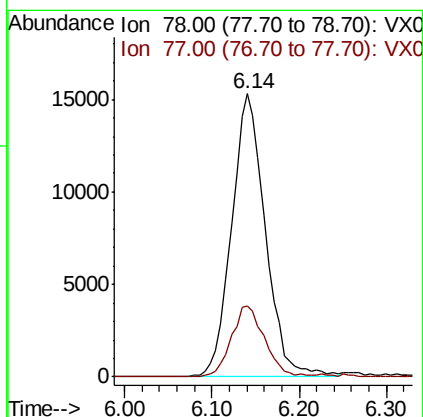
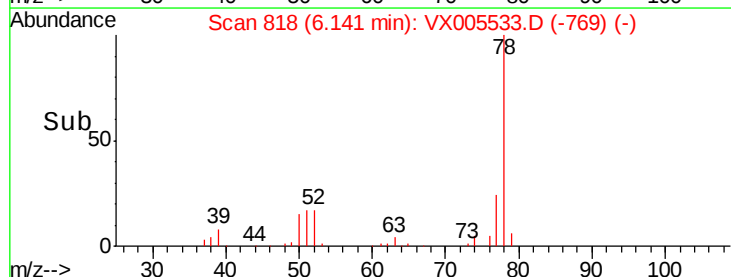
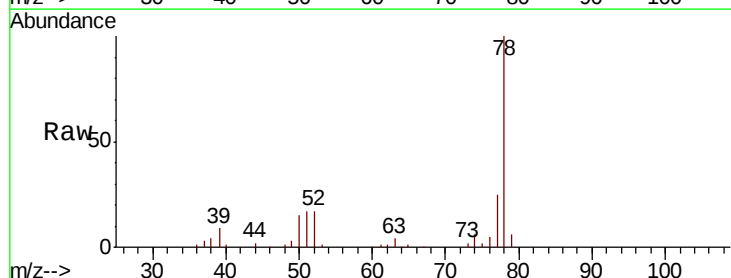
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

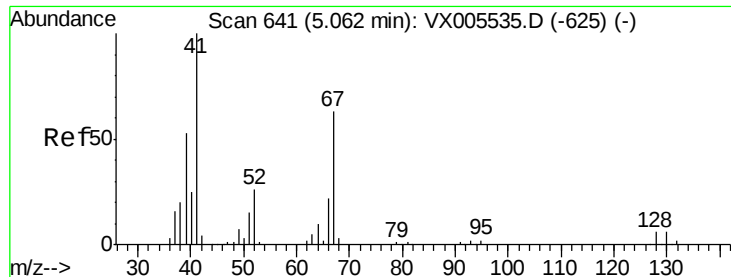
Tgt Ion: 83 Resp: 15133
Ion Ratio Lower Upper
83 100
55 74.9 63.7 95.5
98 46.4 36.2 54.2



#40
Benzene
Concen: 4.657 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX005533.D
Acq: 24 Oct 2018 11:05

Tgt Ion: 78 Resp: 41098
Ion Ratio Lower Upper
78 100
77 25.0 18.4 27.6

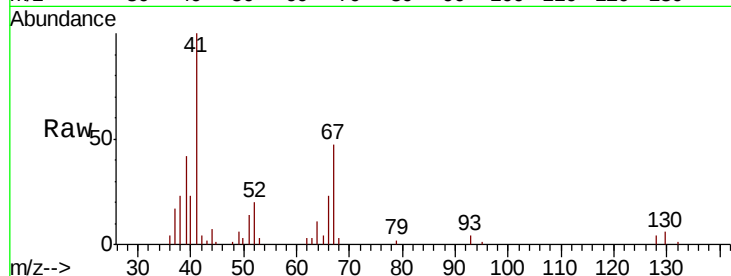




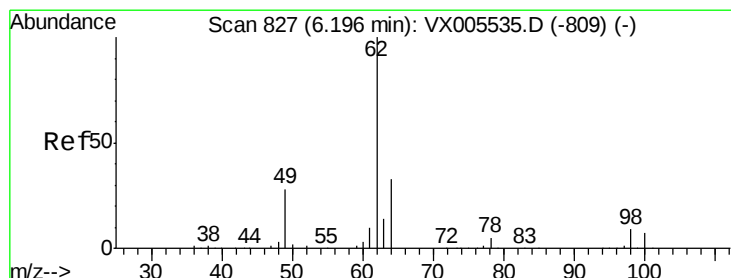
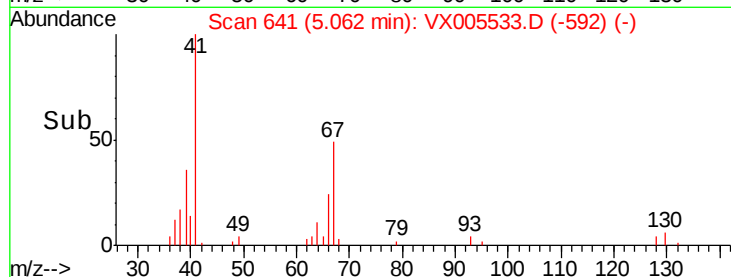
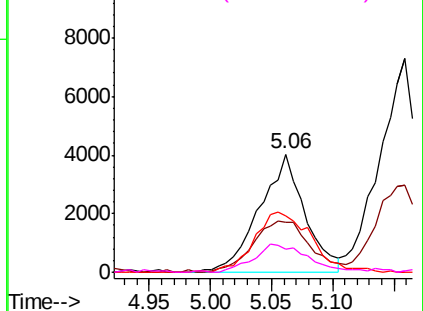
#41
Methacrylonitrile
Concen: 4.775 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX005533.D
Acq: 24 Oct 2018 11:05

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tgt Ion:	41	Resp:	10449
Ion	Ratio	Lower	Upper
41	100		
39	54.8	42.2	63.2
67	63.7	53.4	80.0
52	28.3	23.4	35.2

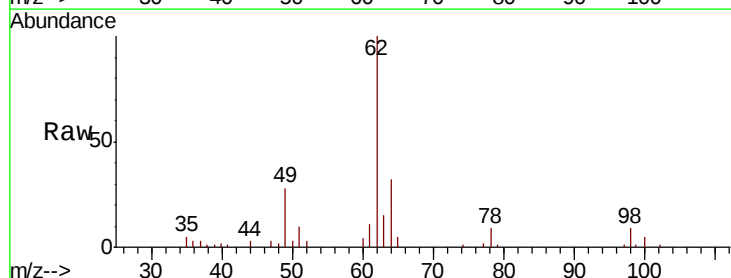


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

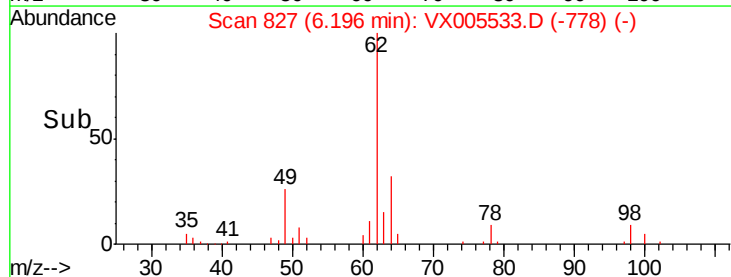
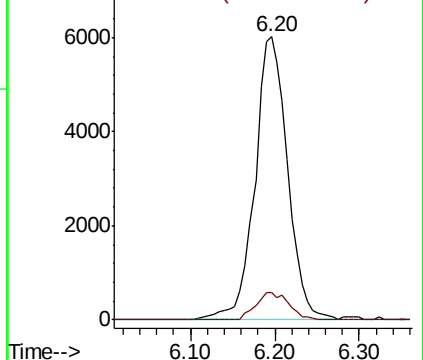


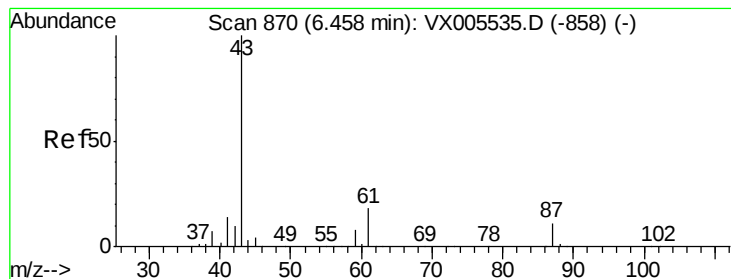
#42
1,2-Dichloroethane
Concen: 4.776 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005533.D
Acq: 24 Oct 2018 11:05

Tgt Ion:	62	Resp:	16011
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 4.411 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX005533.D

Acq: 24 Oct 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

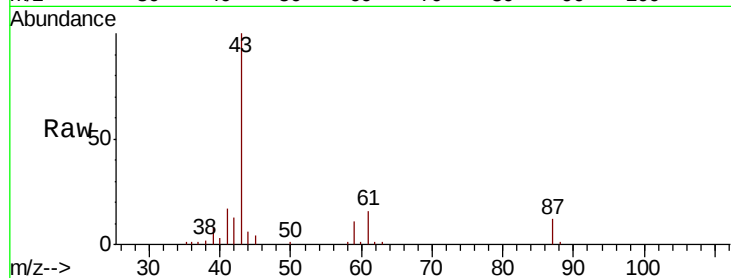
Tgt Ion: 43 Resp: 25968

Ion Ratio Lower Upper

43 100

61 19.2 14.6 22.0

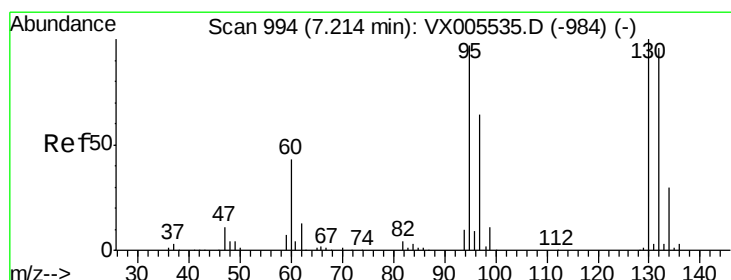
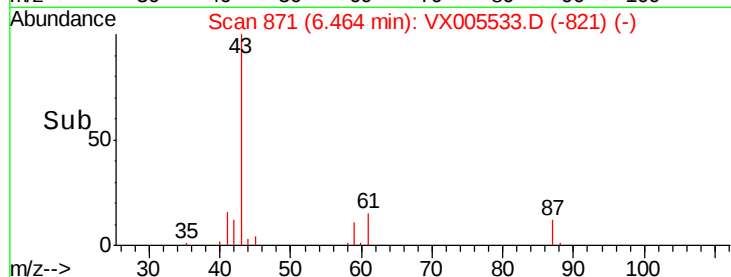
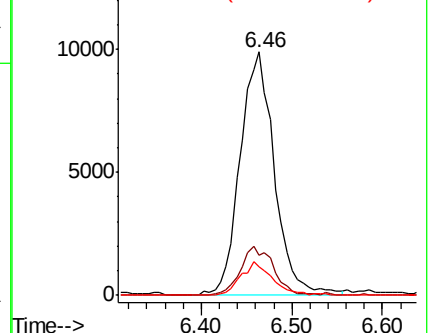
87 12.2 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 4.775 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX005533.D

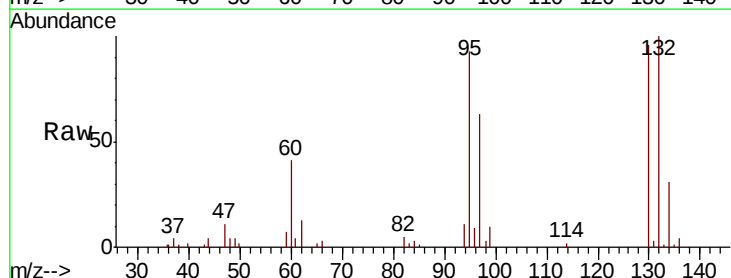
Acq: 24 Oct 2018 11:05

Tgt Ion: 130 Resp: 11480

Ion Ratio Lower Upper

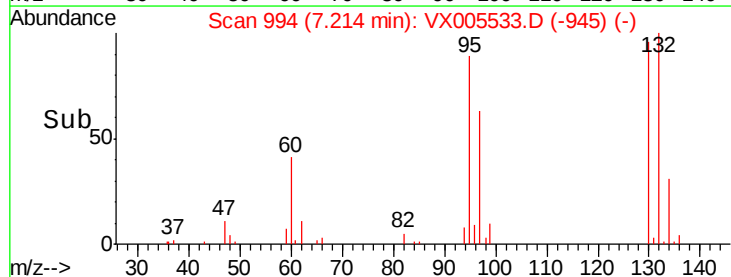
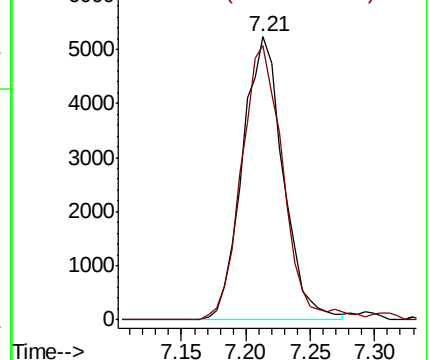
130 100

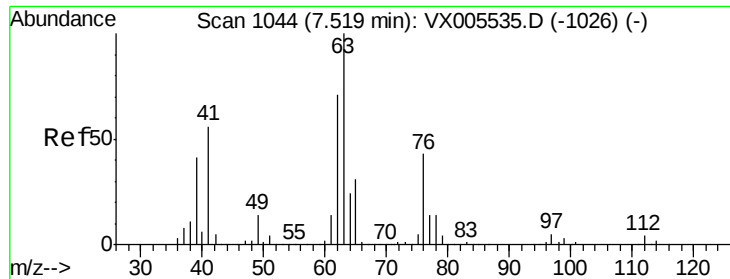
95 97.0 0.0 194.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 4.814 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX005533.D

Acq: 24 Oct 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

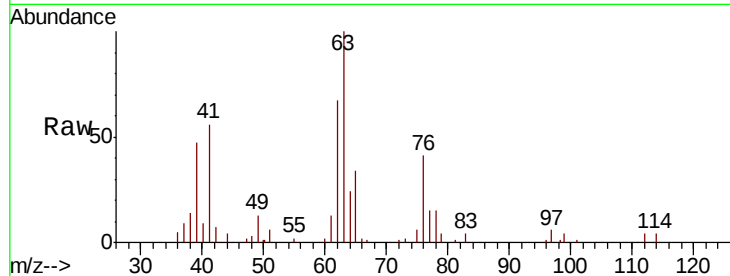
VSTDIC005

Tgt Ion: 63 Resp: 11422

Ion Ratio Lower Upper

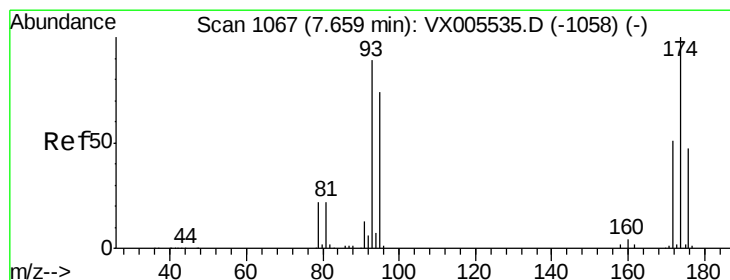
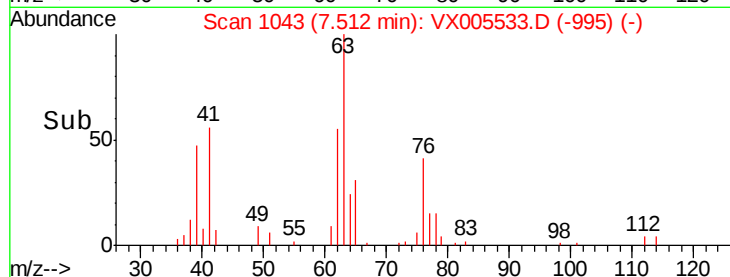
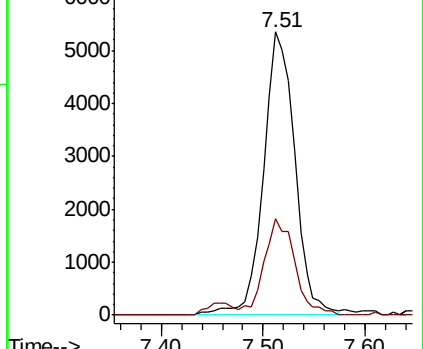
63 100

65 34.0 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 4.817 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX005533.D

Acq: 24 Oct 2018 11:05

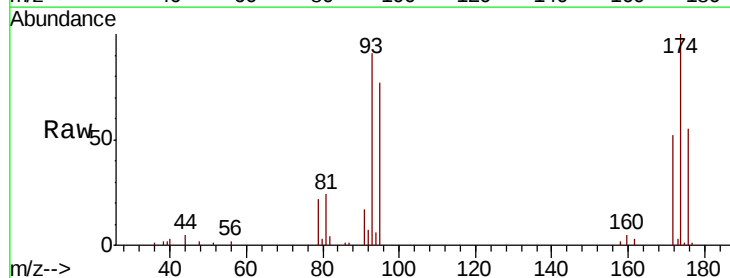
Tgt Ion: 93 Resp: 7381

Ion Ratio Lower Upper

93 100

95 82.4 67.4 101.0

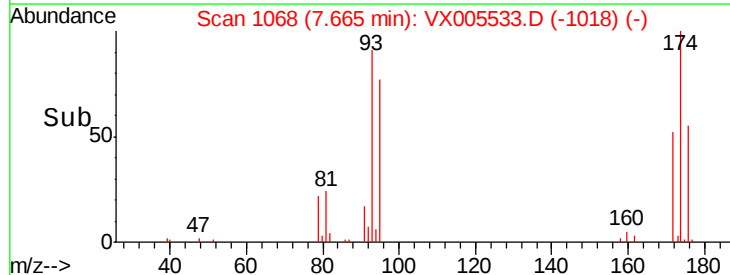
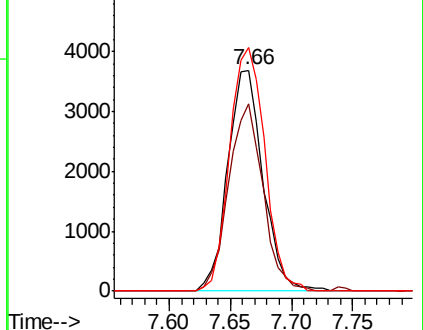
174 109.9 91.5 137.3

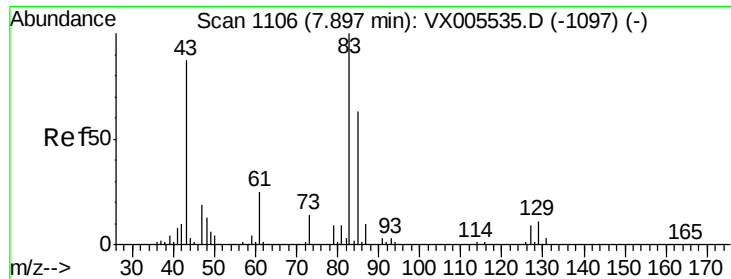


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 4.527 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX005533.D

Acq: 24 Oct 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

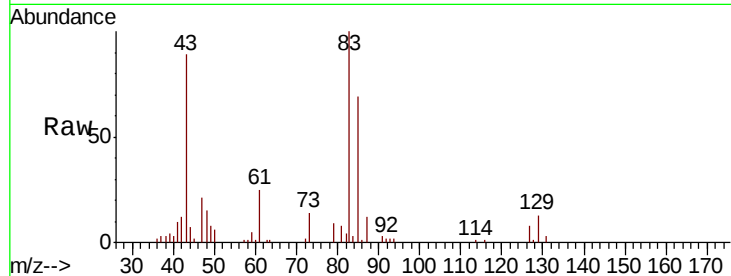
Tgt Ion: 83 Resp: 13463

Ion Ratio Lower Upper

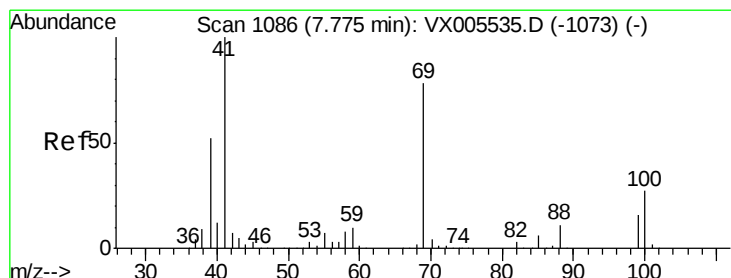
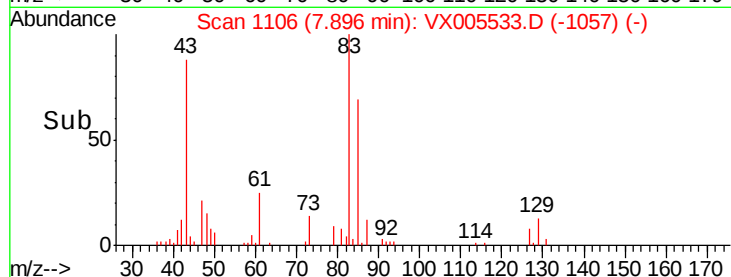
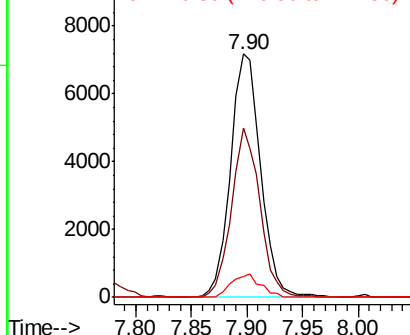
83 100

85 69.4 50.2 75.4

127 8.4 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 4.532 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX005533.D

Acq: 24 Oct 2018 11:05

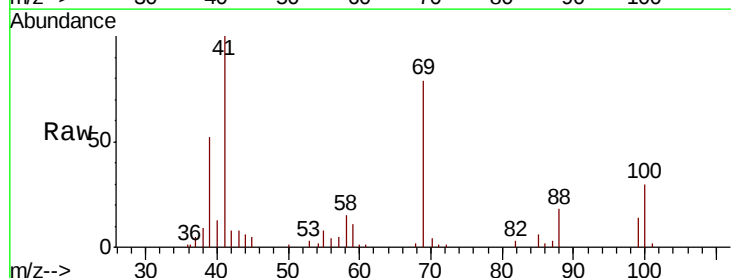
Tgt Ion: 41 Resp: 12997

Ion Ratio Lower Upper

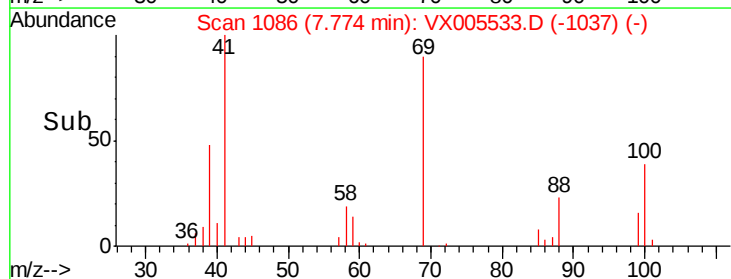
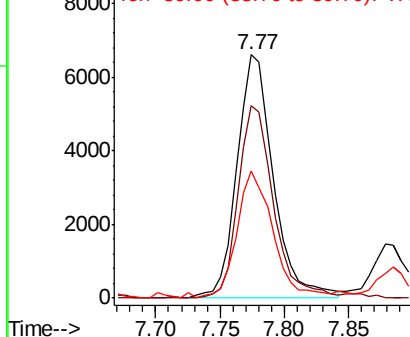
41 100

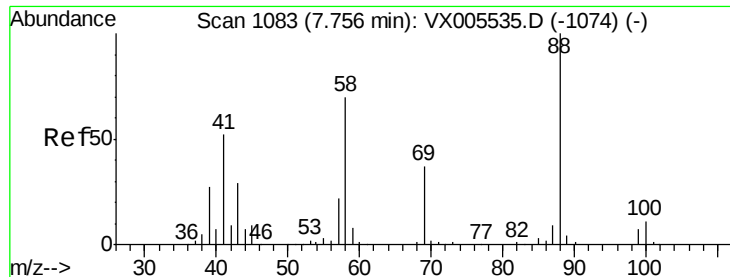
69 76.3 63.2 94.8

39 51.7 42.2 63.2



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

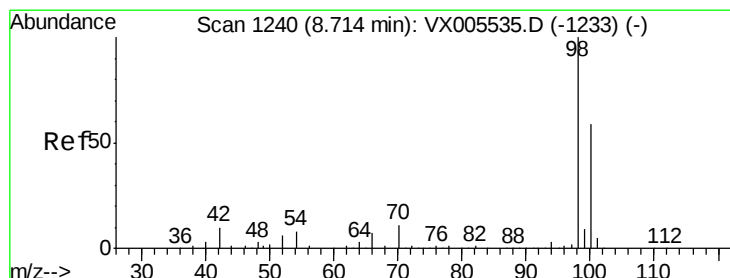
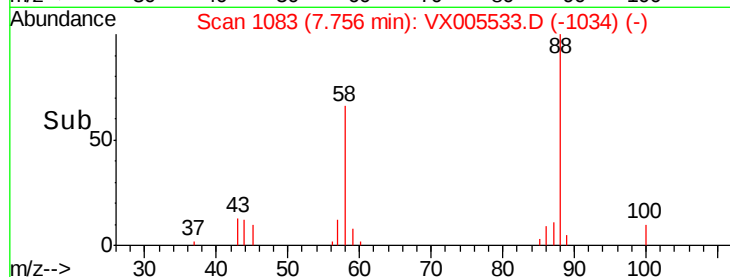
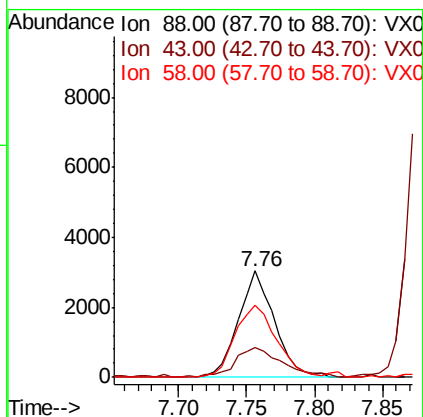
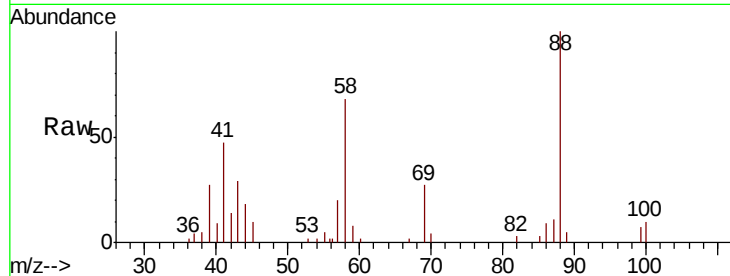




#49
1,4-Dioxane
Concen: 90.105 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005533.D
Acq: 24 Oct 2018 11:05

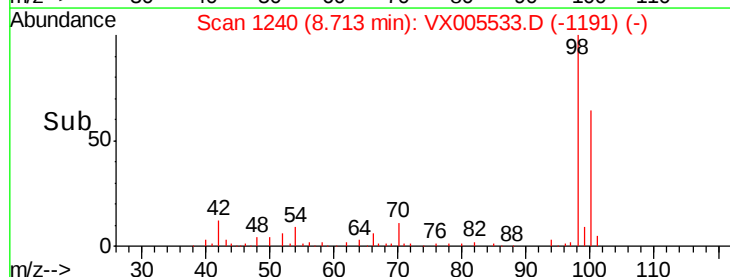
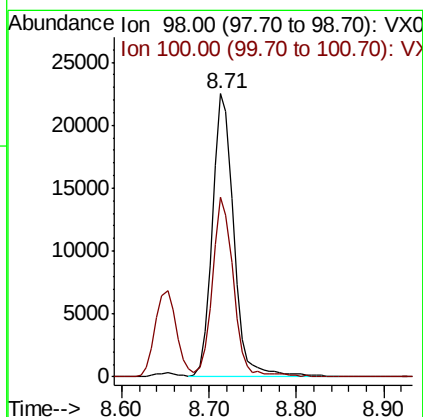
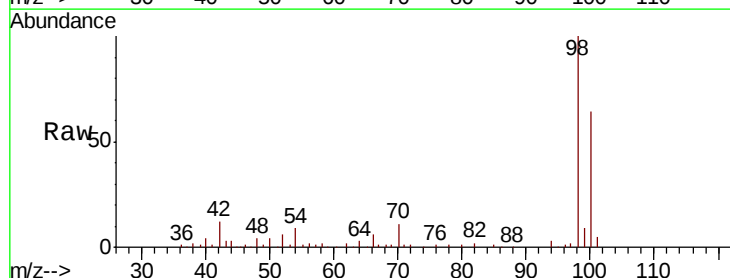
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

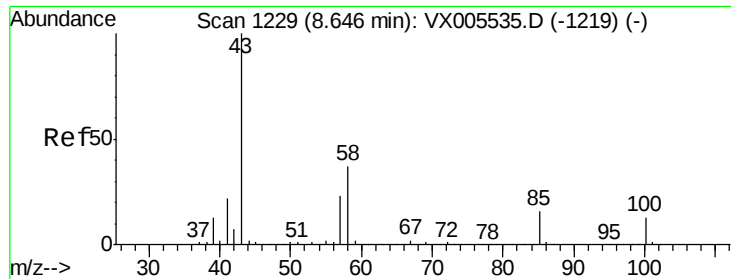
Tgt Ion: 88 Resp: 5647
Ion Ratio Lower Upper
88 100
43 37.1 27.4 41.0
58 77.9 59.4 89.2



#50
Toluene-d8
Concen: 4.960 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005533.D
Acq: 24 Oct 2018 11:05

Tgt Ion: 98 Resp: 38279
Ion Ratio Lower Upper
98 100
100 61.2 51.3 76.9





#51

4-Methyl-2-Pentanone

Concen: 22.804 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX005533.D

Acq: 24 Oct 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

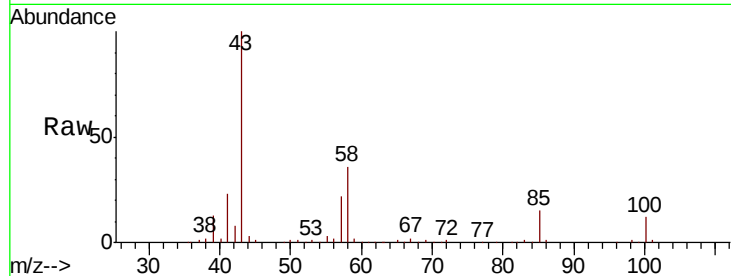
VSTDIC005

Tgt Ion: 43 Resp: 90218

Ion Ratio Lower Upper

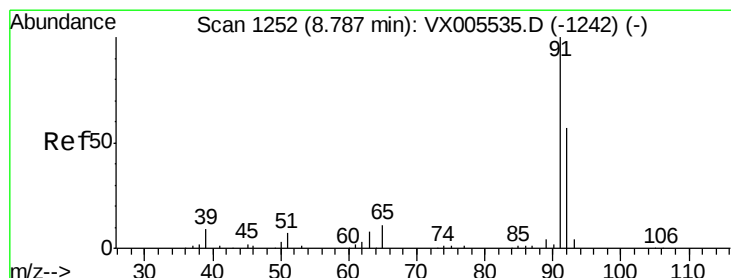
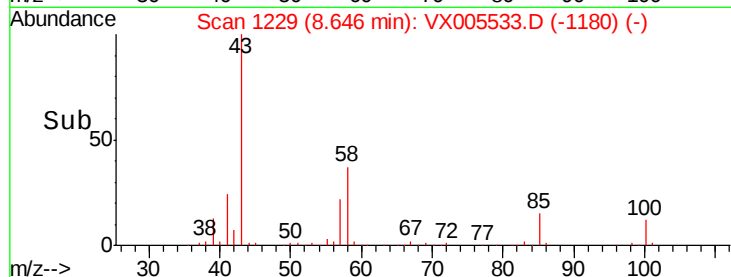
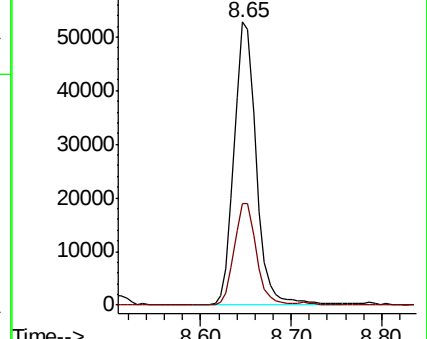
43 100

58 36.0 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 4.749 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005533.D

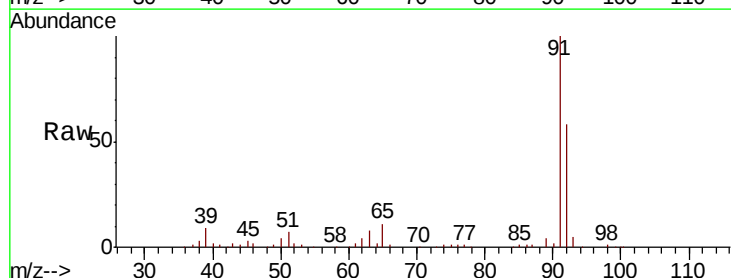
Acq: 24 Oct 2018 11:05

Tgt Ion: 92 Resp: 25470

Ion Ratio Lower Upper

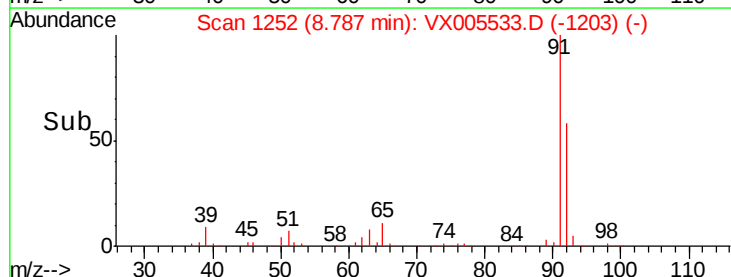
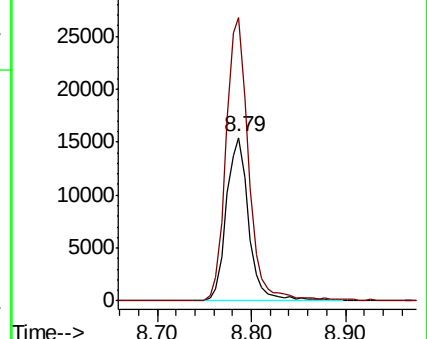
92 100

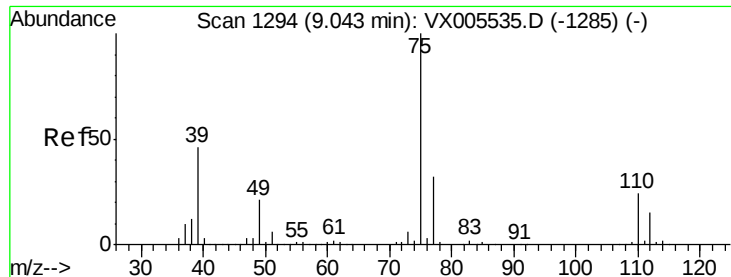
91 174.9 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

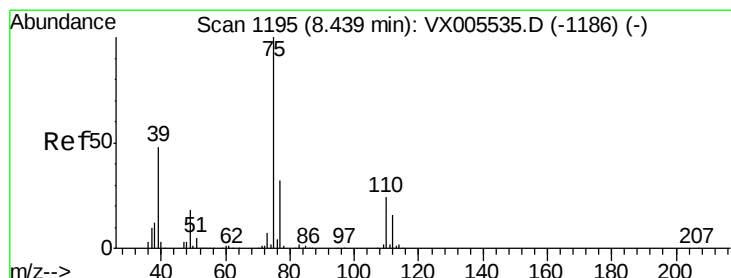
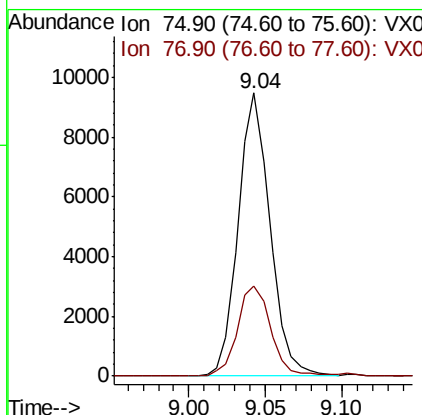
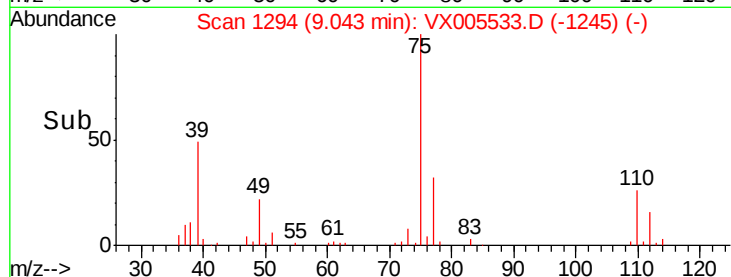
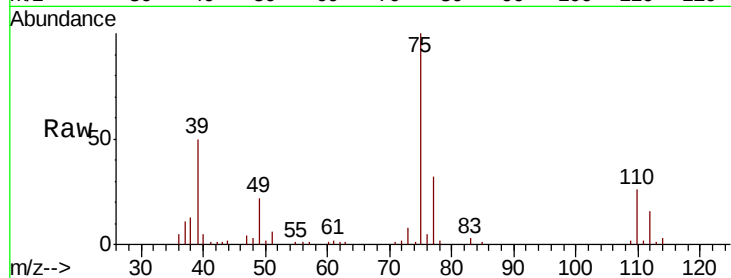




#53
 t-1,3-Dichloropropene
 Concen: 4.258 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX005533.D
 Acq: 24 Oct 2018 11:05

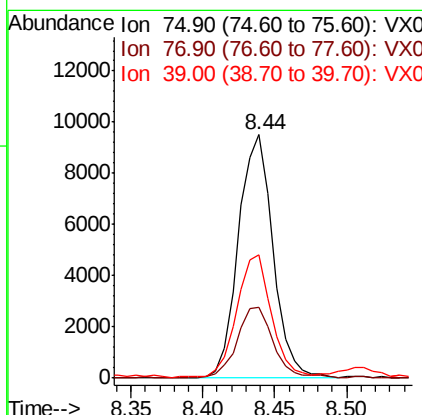
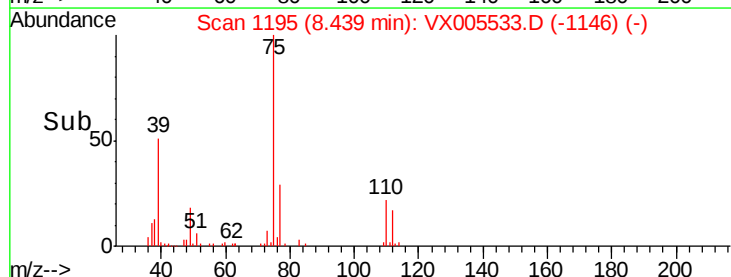
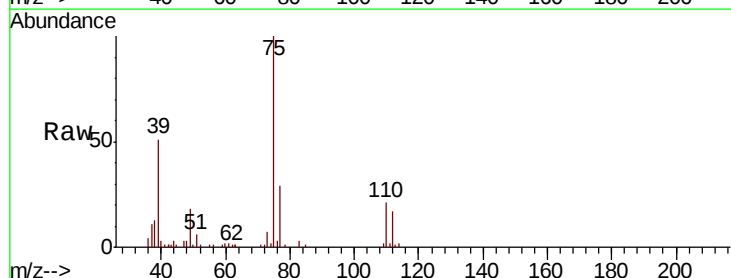
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

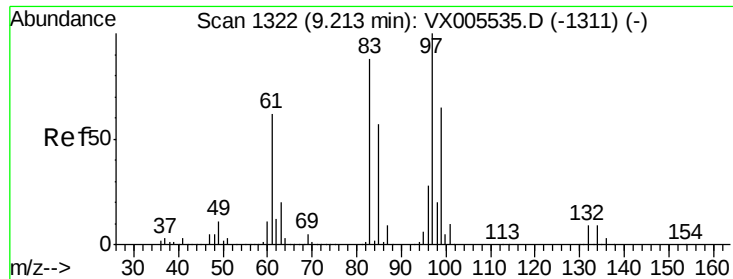
Tgt Ion: 75 Resp: 13686
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 4.577 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. -0.00 min
 Lab File: VX005533.D
 Acq: 24 Oct 2018 11:05

Tgt Ion: 75 Resp: 15841
 Ion Ratio Lower Upper
 75 100
 77 29.0 25.2 37.8
 39 49.9 38.2 57.2

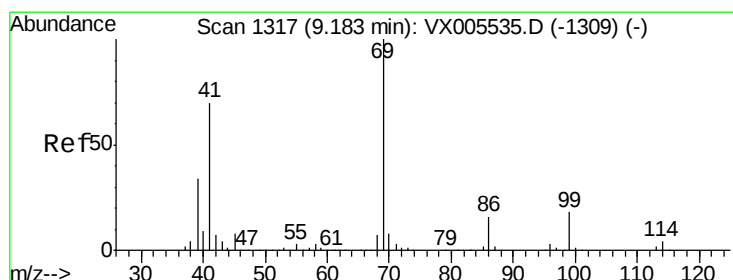
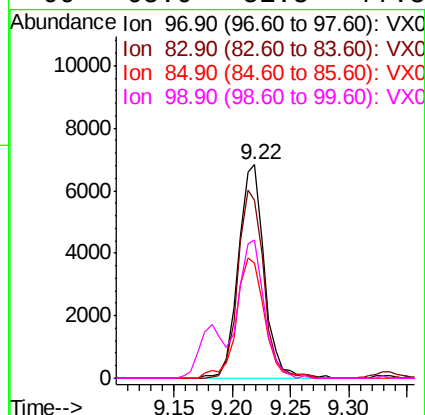
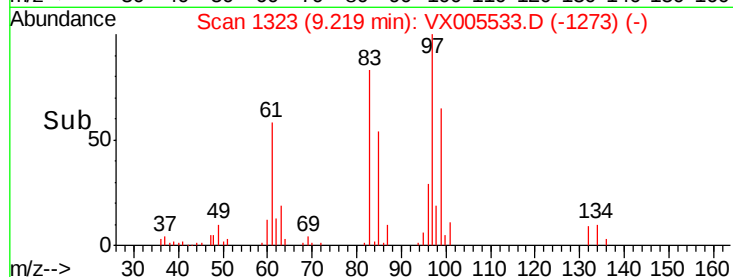
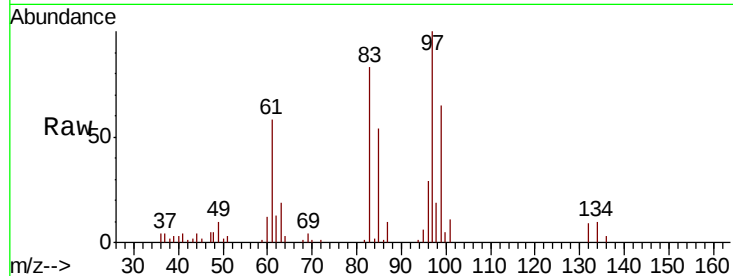




#55
 1,1,2-Trichloroethane
 Concen: 4.725 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VX005533.D
 Acq: 24 Oct 2018 11:05

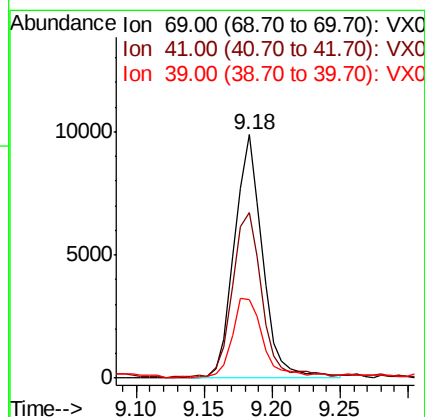
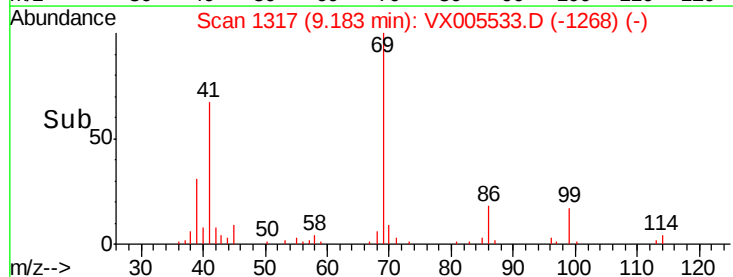
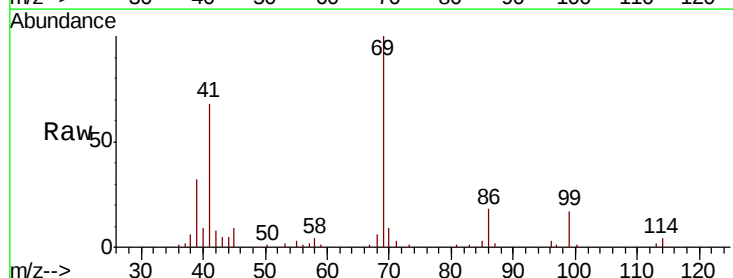
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

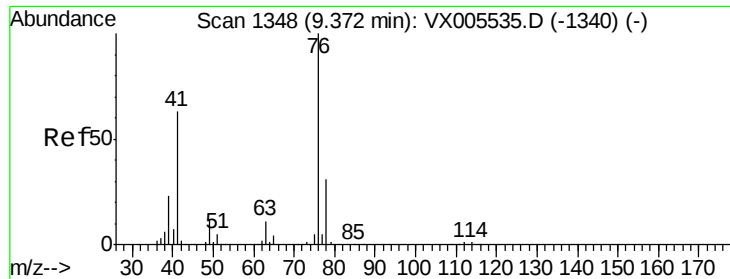
Tgt Ion: 97 Resp: 10684
 Ion Ratio Lower Upper
 97 100
 83 83.3 70.7 106.1
 85 54.0 45.8 68.6
 99 65.0 51.8 77.8



#56
 Ethyl methacrylate
 Concen: 4.216 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005533.D
 Acq: 24 Oct 2018 11:05

Tgt Ion: 69 Resp: 14220
 Ion Ratio Lower Upper
 69 100
 41 74.2 57.0 85.6
 39 37.3 28.3 42.5

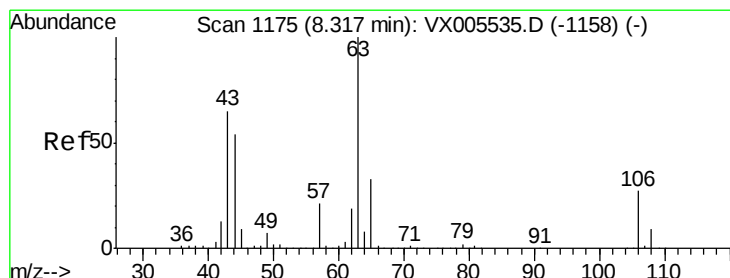
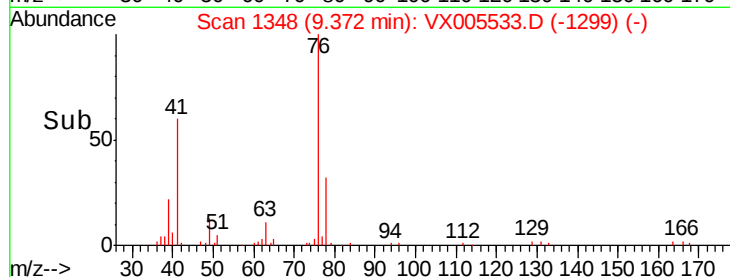
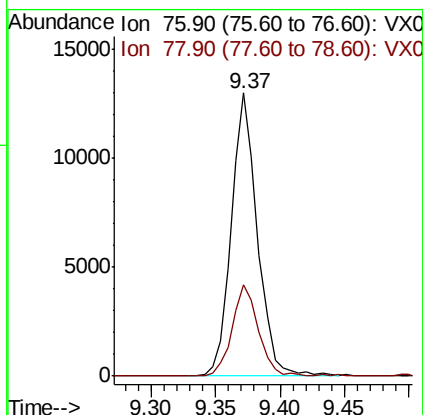
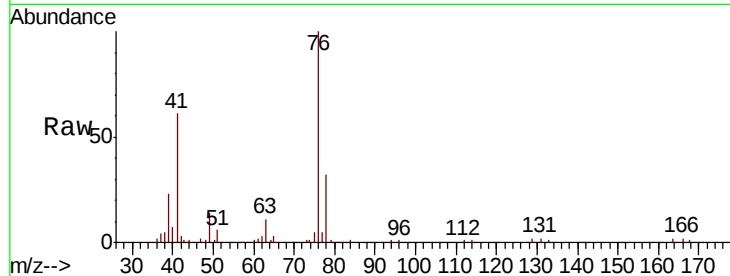




#57
 1,3-Dichloropropane
 Concen: 4.799 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX005533.D
 Acq: 24 Oct 2018 11:05

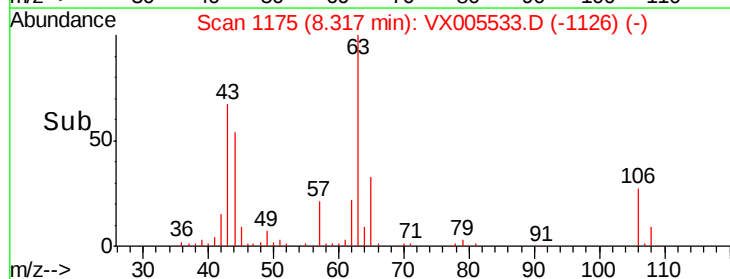
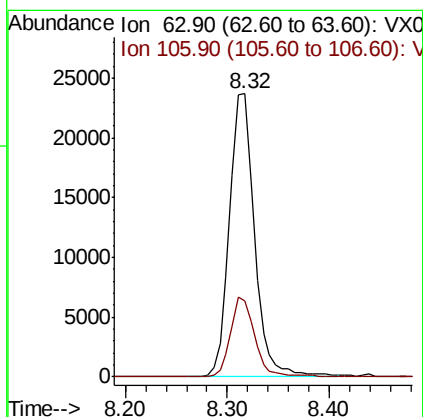
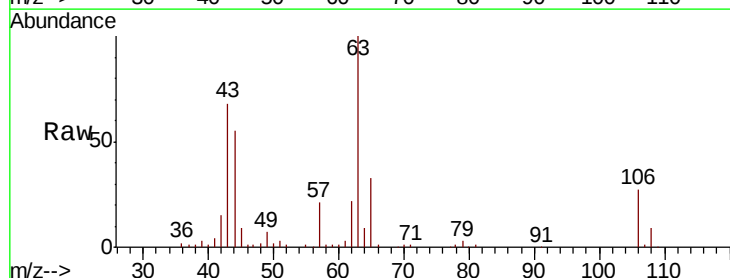
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

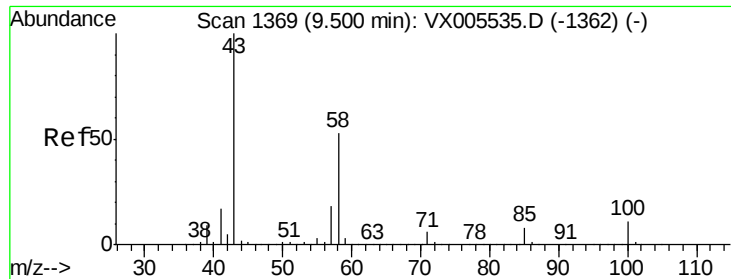
Tgt Ion: 76 Resp: 18361
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.3 37.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 21.395 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VX005533.D
 Acq: 24 Oct 2018 11:05

Tgt Ion: 63 Resp: 40302
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.3 31.9

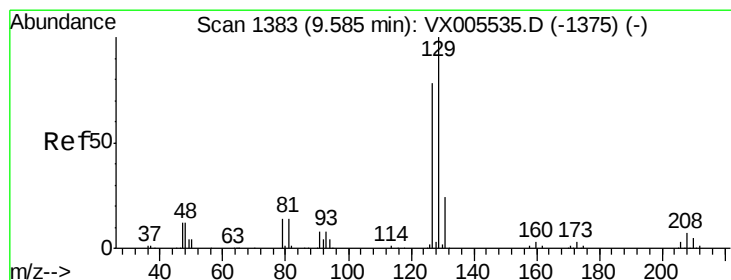
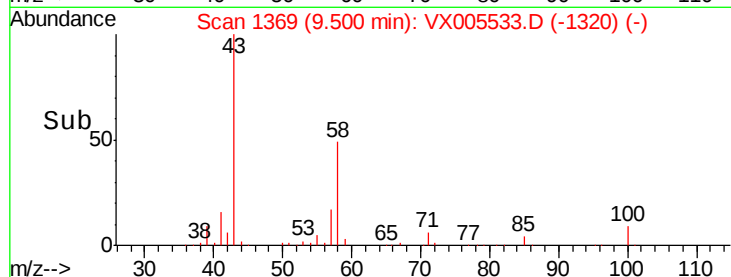
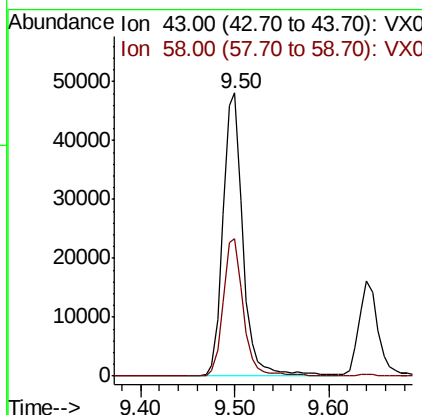
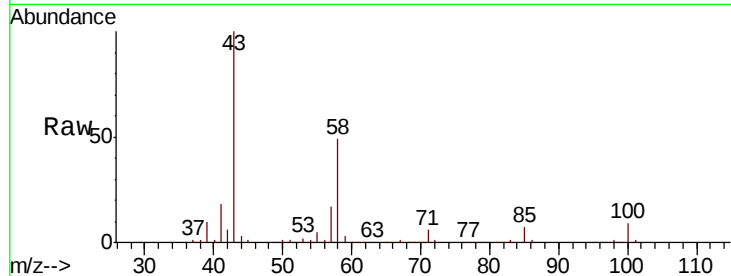




#59
2-Hexanone
Concen: 22.494 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005533.D
Acq: 24 Oct 2018 11:05

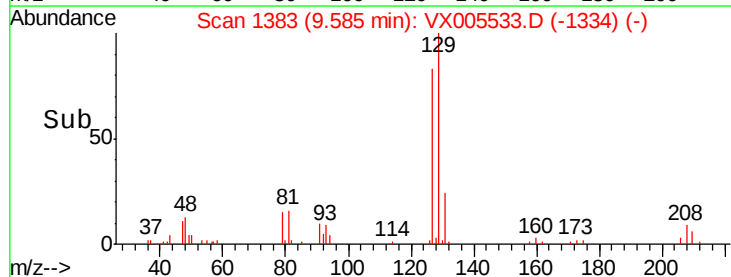
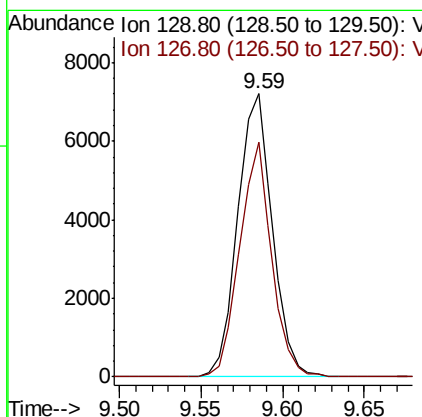
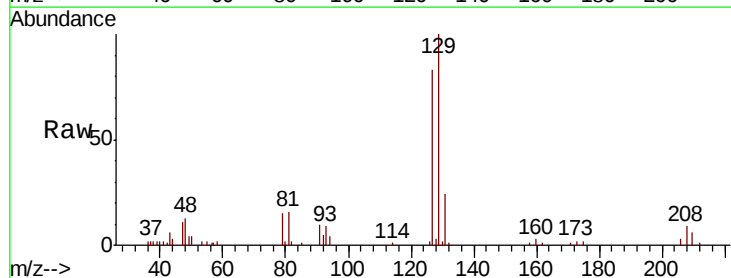
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

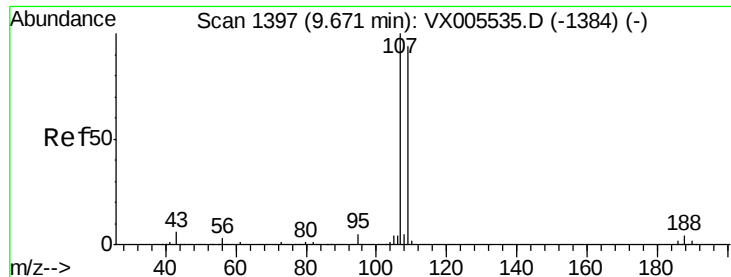
Tgt Ion: 43 Resp: 70167
Ion Ratio Lower Upper
43 100
58 49.5 25.9 77.8



#60
Dibromochloromethane
Concen: 4.507 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005533.D
Acq: 24 Oct 2018 11:05

Tgt Ion: 129 Resp: 10632
Ion Ratio Lower Upper
129 100
127 76.7 38.9 116.7





#61

1,2-Dibromoethane

Concen: 4.618 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005533.D

Acq: 24 Oct 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

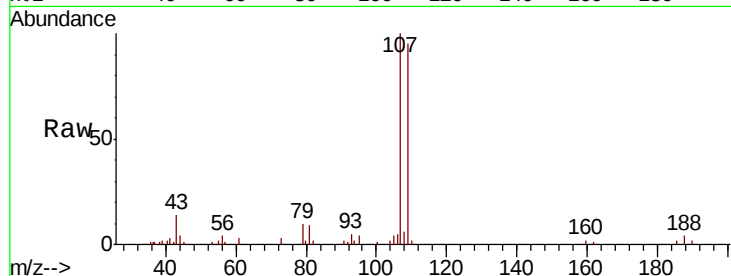
VSTDIC005

Tgt Ion: 107 Resp: 10803

Ion Ratio Lower Upper

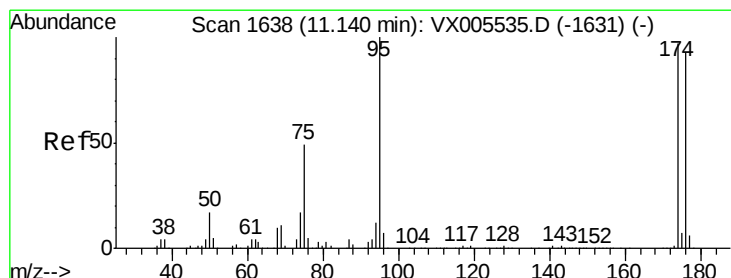
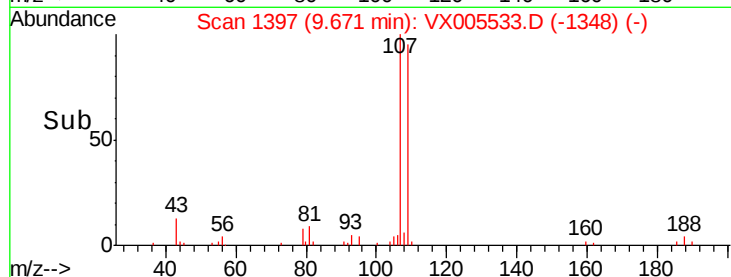
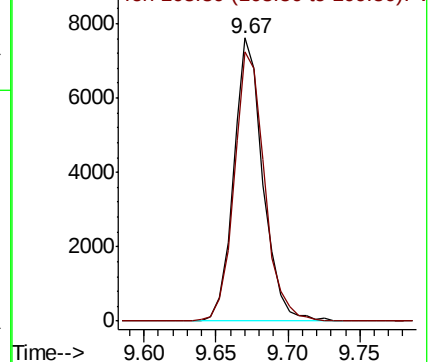
107 100

109 98.8 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 4.433 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005533.D

Acq: 24 Oct 2018 11:05

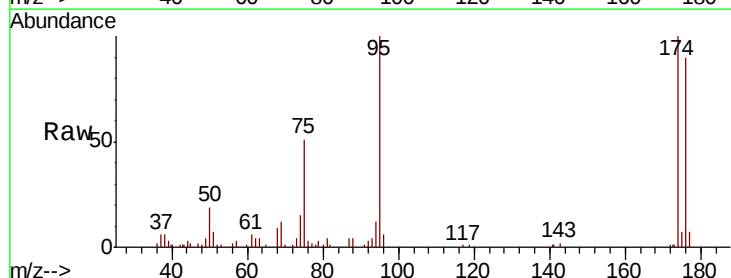
Tgt Ion: 95 Resp: 12920

Ion Ratio Lower Upper

95 100

174 92.6 0.0 184.4

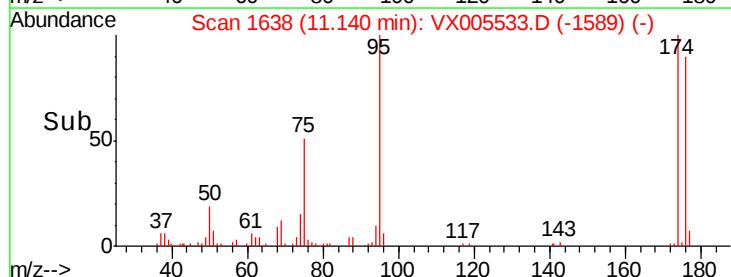
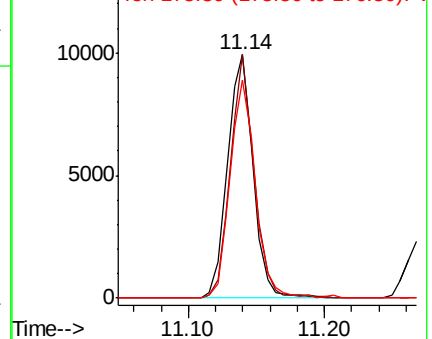
176 88.5 0.0 177.4

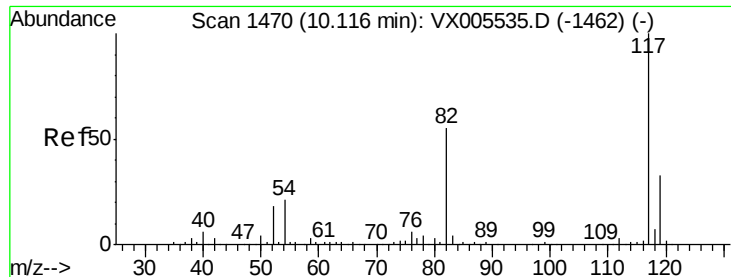


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

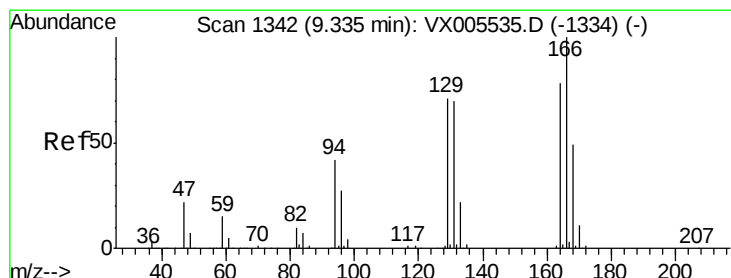
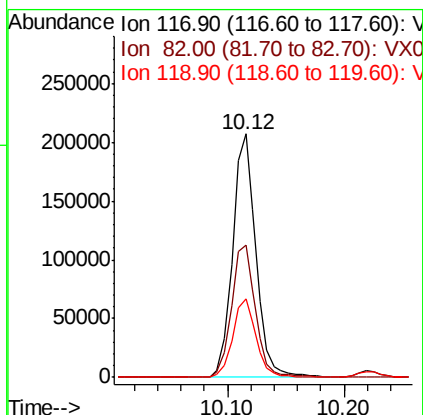
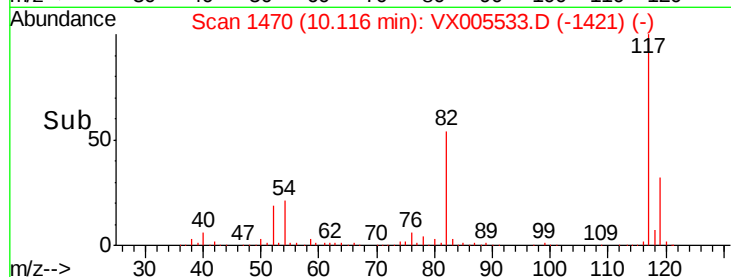
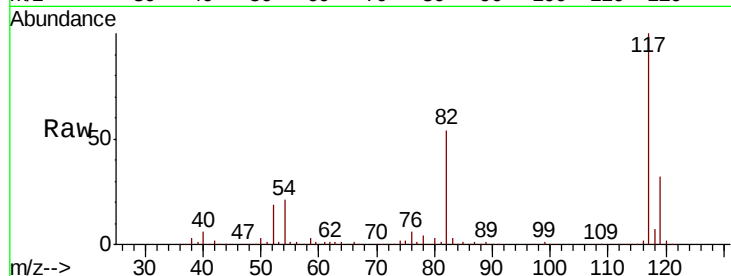




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005533.D
Acq: 24 Oct 2018 11:05

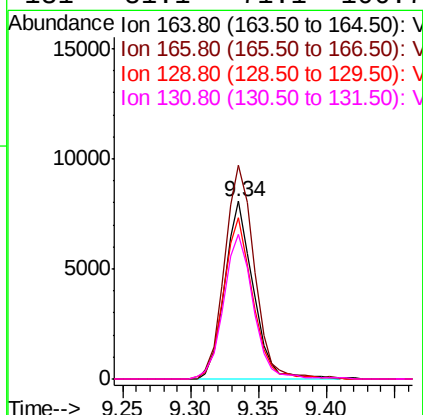
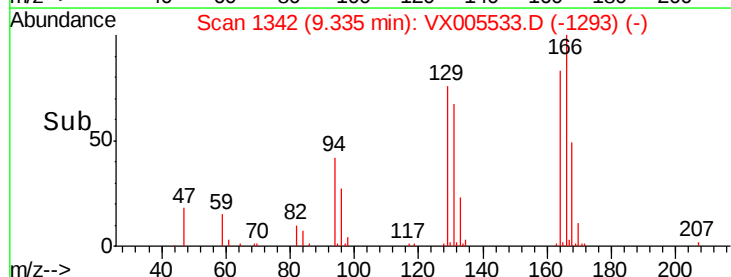
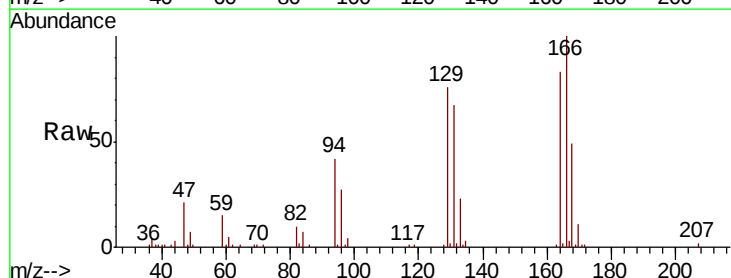
Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

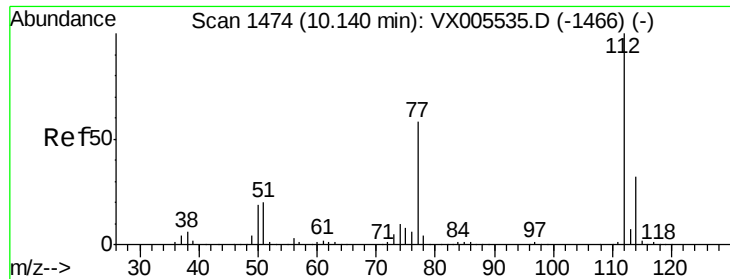
Tgt Ion:117 Resp: 288169
Ion Ratio Lower Upper
117 100
82 54.1 44.1 66.1
119 32.3 26.2 39.2



#64
Tetrachloroethene
Concen: 4.908 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005533.D
Acq: 24 Oct 2018 11:05

Tgt Ion:164 Resp: 11741
Ion Ratio Lower Upper
164 100
166 120.1 101.9 152.9
129 90.9 72.6 109.0
131 81.1 71.1 106.7

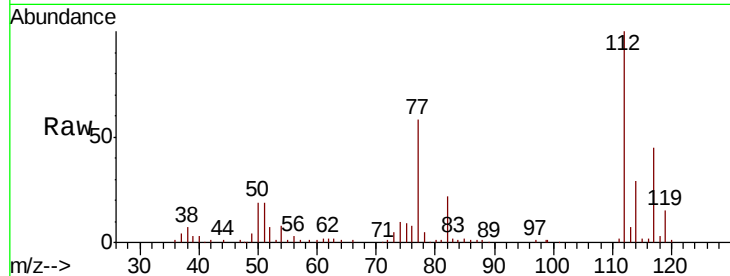




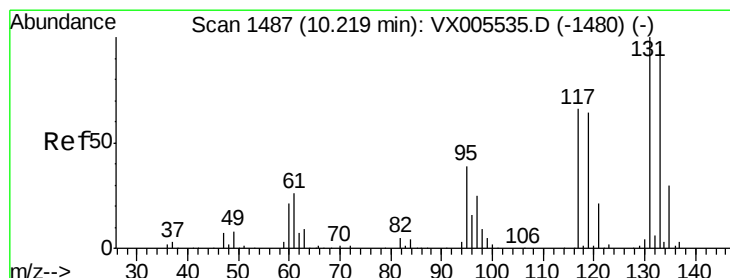
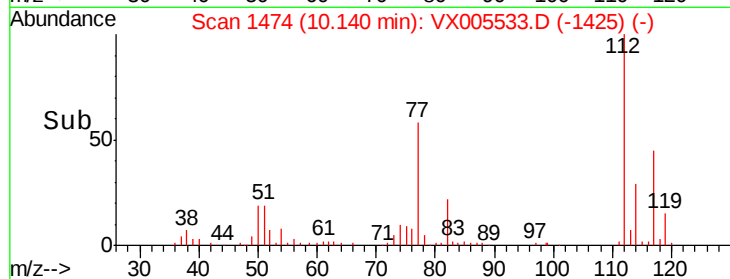
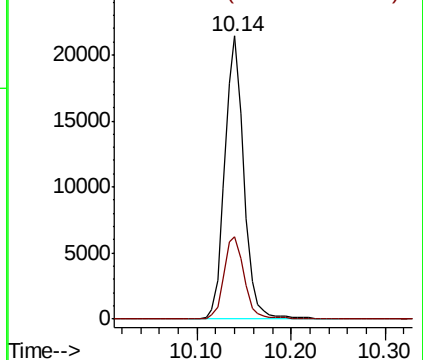
#65
Chlorobenzene
Concen: 4.910 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005533.D
Acq: 24 Oct 2018 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion:112 Resp: 30127
Ion Ratio Lower Upper
112 100
114 29.1 25.8 38.6

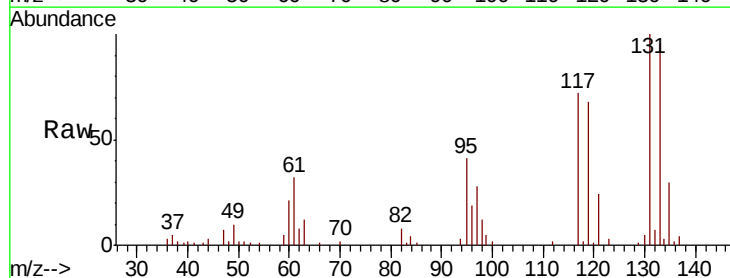


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

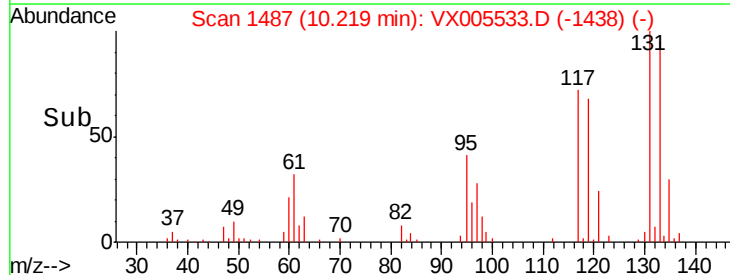
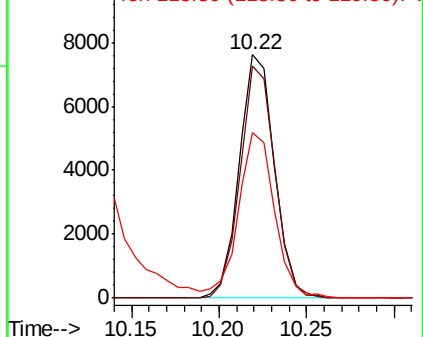


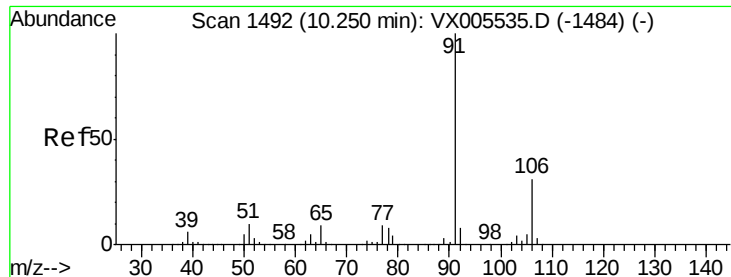
#66
1,1,1,2-Tetrachloroethane
Concen: 4.721 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX005533.D
Acq: 24 Oct 2018 11:05

Tgt Ion:131 Resp: 10563
Ion Ratio Lower Upper
131 100
133 94.8 47.5 142.5
119 70.5 31.8 95.3



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 4.588 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX005533.D

Acq: 24 Oct 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

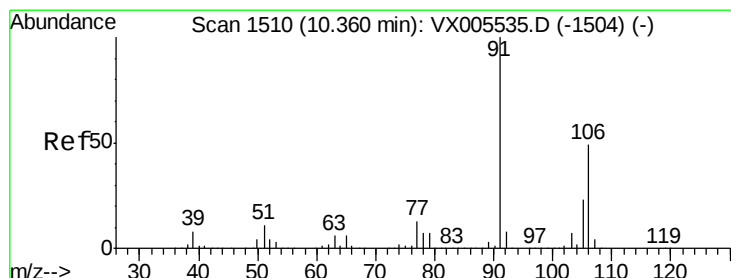
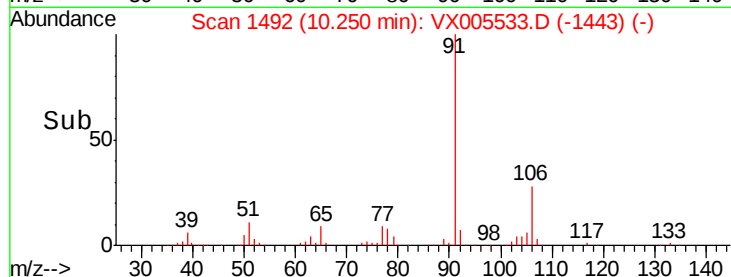
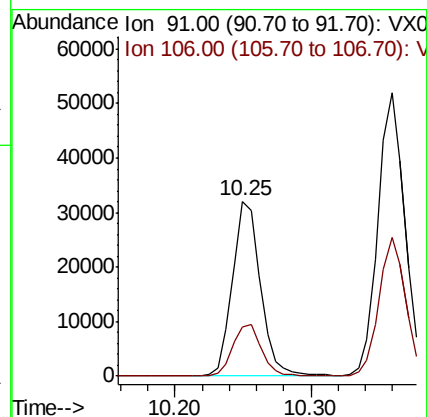
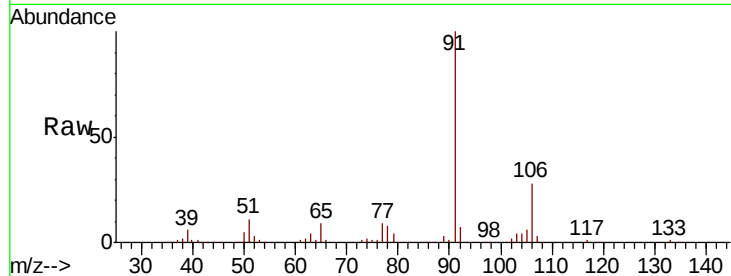
VSTDIC005

Tgt Ion: 91 Resp: 46321

Ion Ratio Lower Upper

91 100

106 28.0 24.4 36.6



#68

m/p-Xylenes

Concen: 9.104 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005533.D

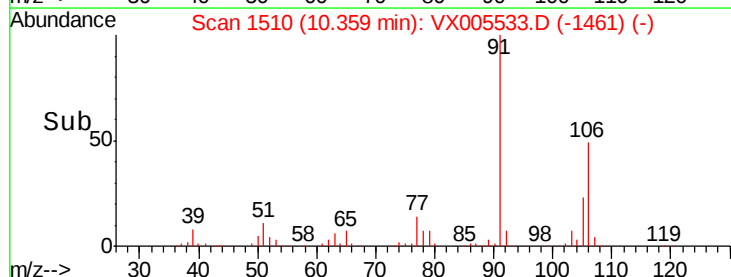
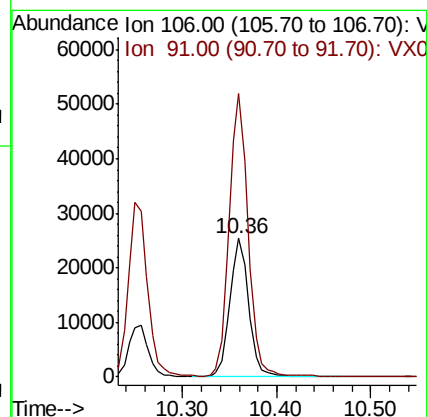
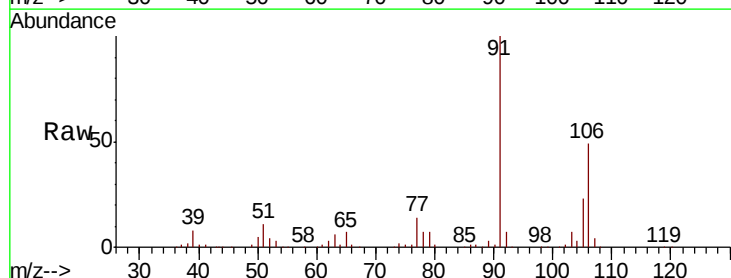
Acq: 24 Oct 2018 11:05

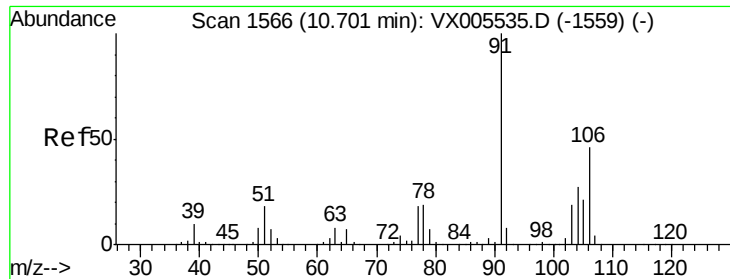
Tgt Ion: 106 Resp: 35662

Ion Ratio Lower Upper

106 100

91 205.3 164.2 246.4

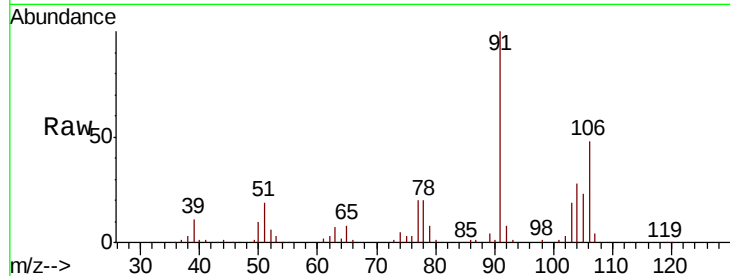




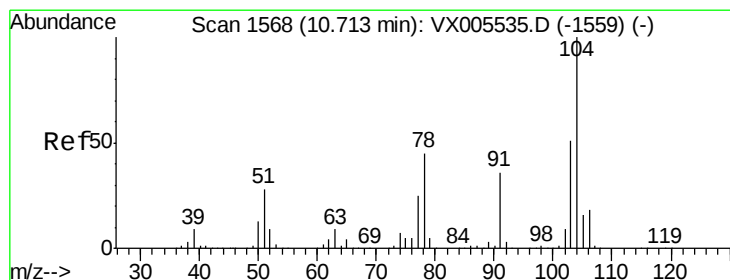
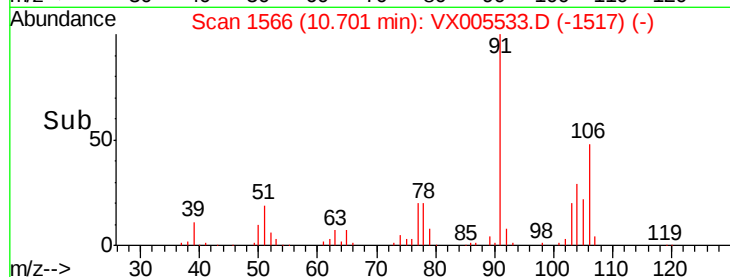
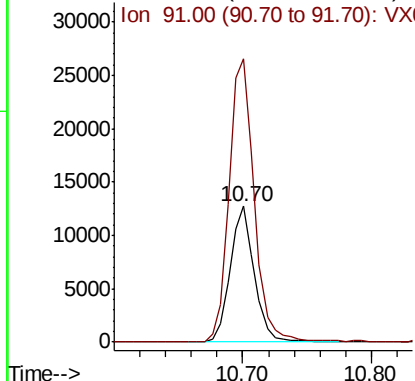
#69
o-Xylene
Concen: 4.510 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005533.D
Acq: 24 Oct 2018 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 16622
Ion Ratio Lower Upper
106 100
91 219.8 108.5 325.5

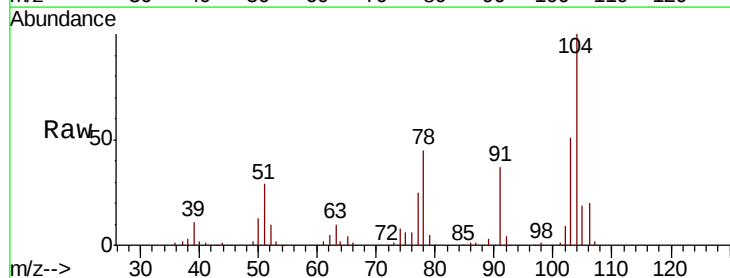


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

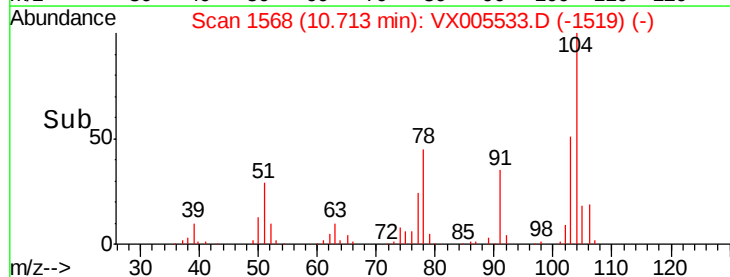
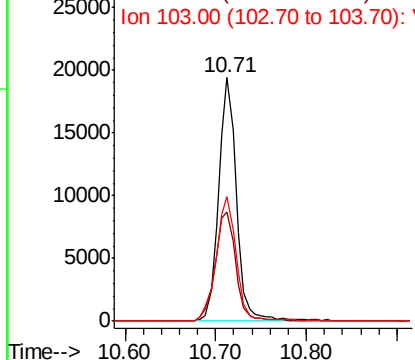


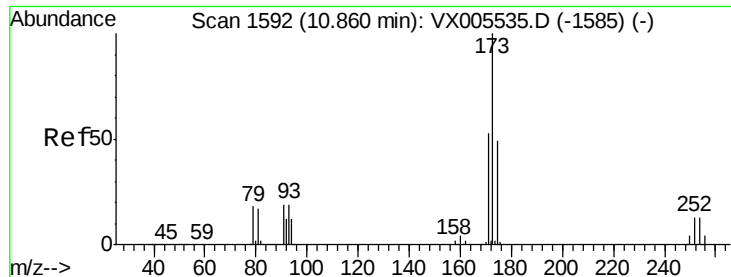
#70
Styrene
Concen: 4.336 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005533.D
Acq: 24 Oct 2018 11:05

Tgt Ion:104 Resp: 26747
Ion Ratio Lower Upper
104 100
78 51.5 40.2 60.4
103 56.6 44.9 67.3



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





#71

Bromoform

Concen: 4.443 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005533.D

Acq: 24 Oct 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

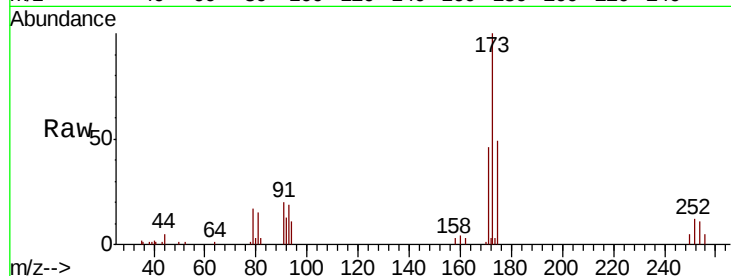
Tgt Ion:173 Resp: 8871

Ion Ratio Lower Upper

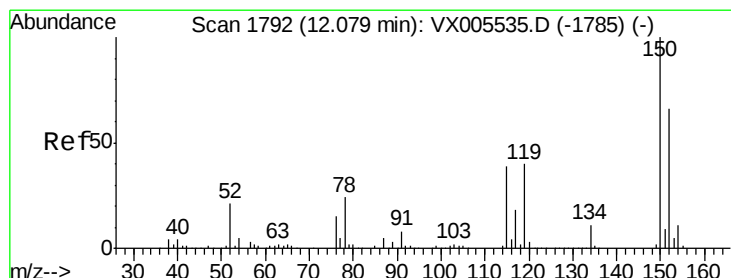
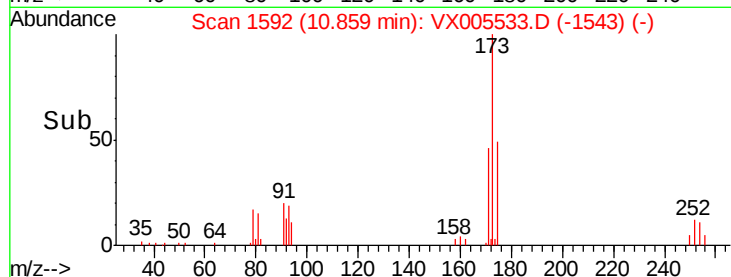
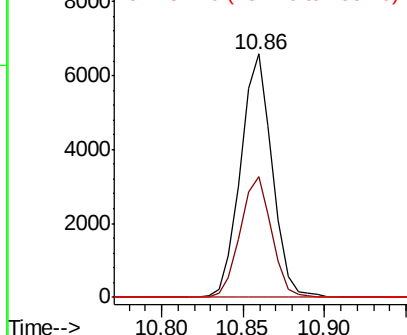
173 100

175 49.2 24.8 74.3

254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005533.D

Acq: 24 Oct 2018 11:05

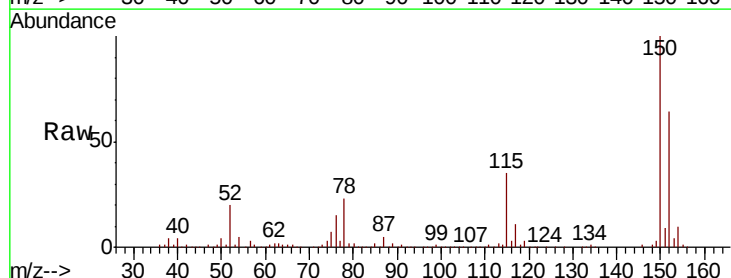
Tgt Ion:152 Resp: 158860

Ion Ratio Lower Upper

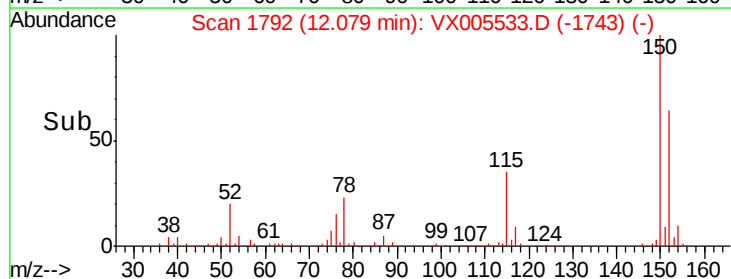
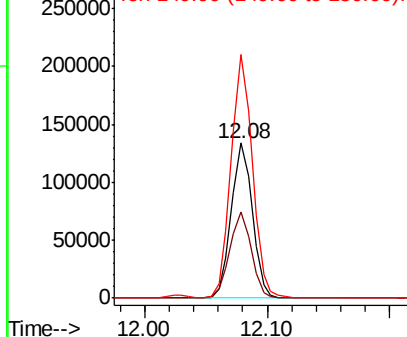
152 100

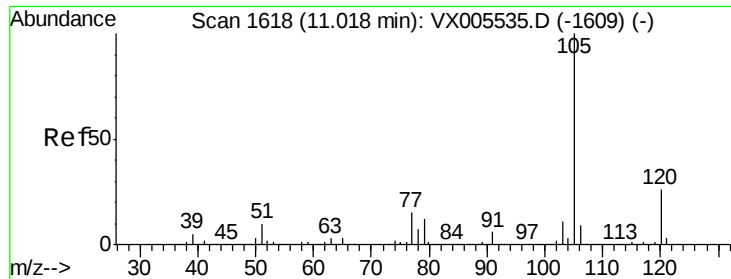
115 57.4 39.4 118.1

150 158.7 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.674 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005533.D

Acq: 24 Oct 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

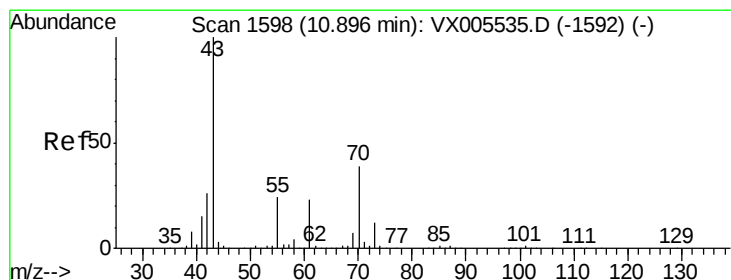
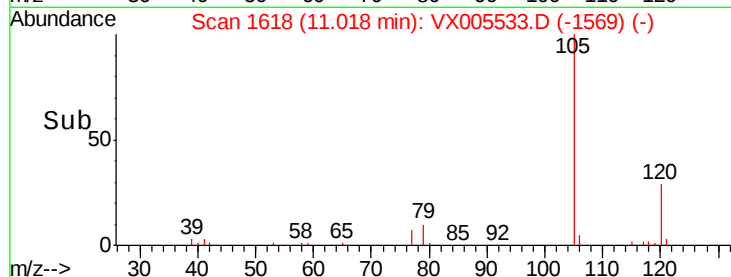
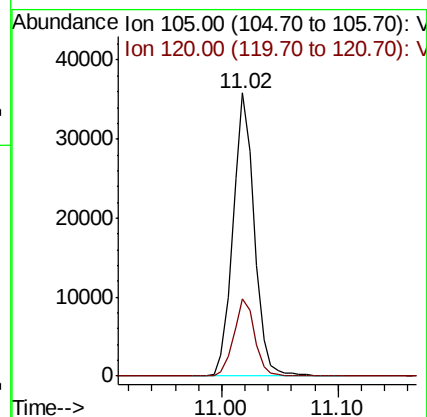
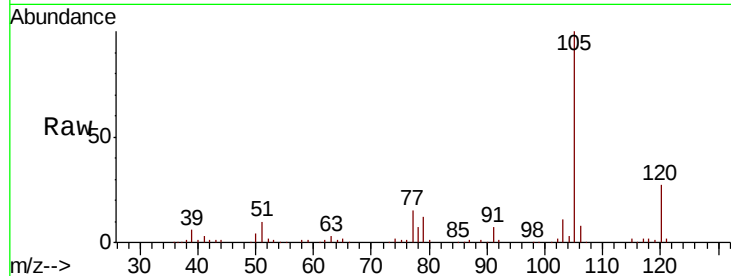
VSTDIC005

Tgt Ion: 105 Resp: 45393

Ion Ratio Lower Upper

105 100

120 27.0 13.1 39.3



#74

N-ethyl acetate

Concen: 4.525 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.01 min

Lab File: VX005533.D

Acq: 24 Oct 2018 11:05

Tgt Ion: 43 Resp: 21773

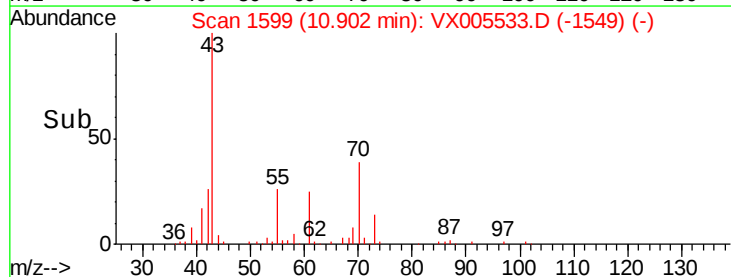
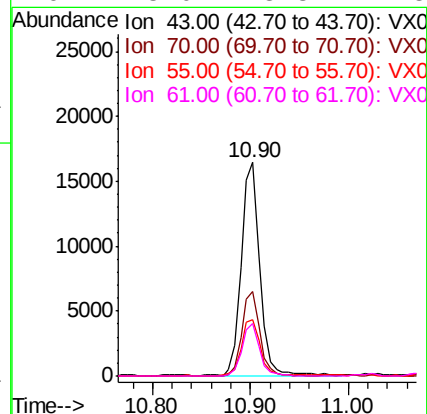
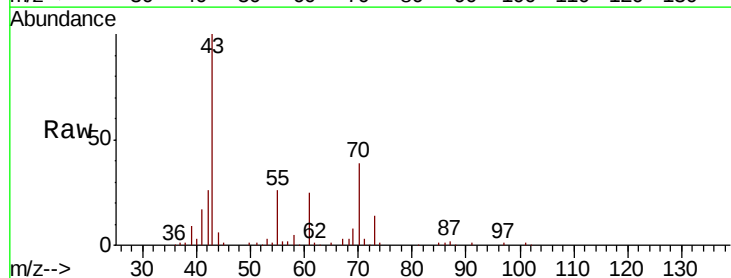
Ion Ratio Lower Upper

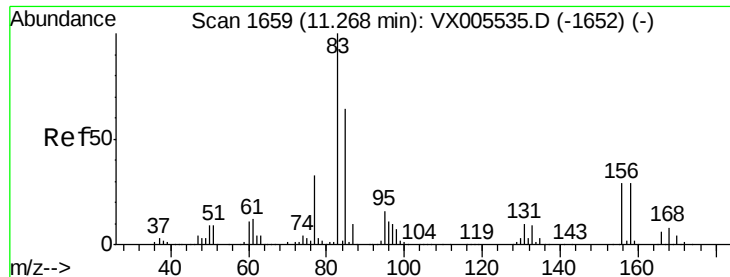
43 100

70 37.9 31.6 47.4

55 26.8 19.7 29.5

61 23.0 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 4.973 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005533.D

Acq: 24 Oct 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

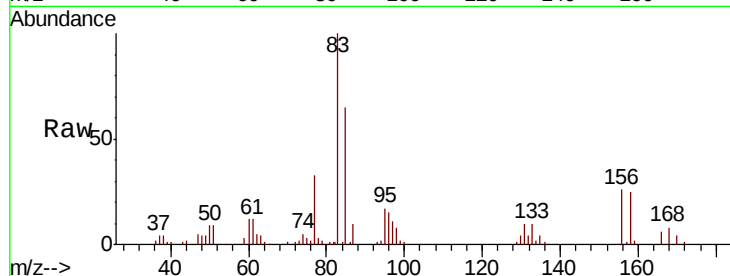
Tgt Ion: 83 Resp: 17815

Ion Ratio Lower Upper

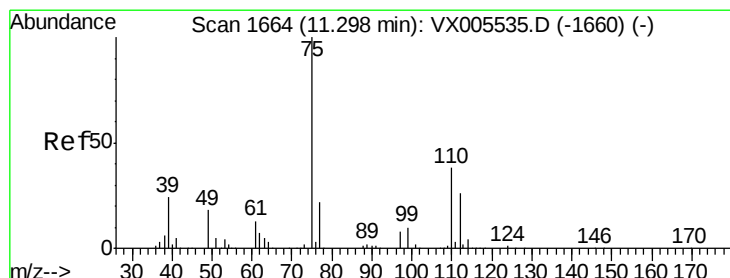
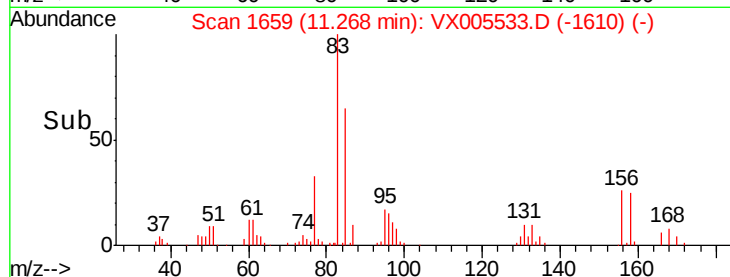
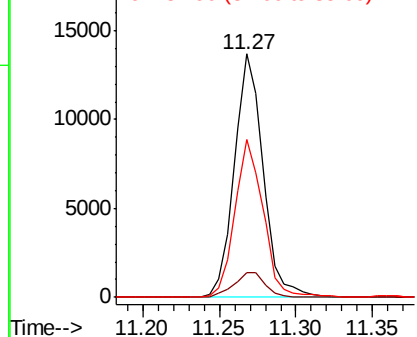
83 100

131 10.9 5.3 15.9

85 64.2 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 6.185 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX005533.D

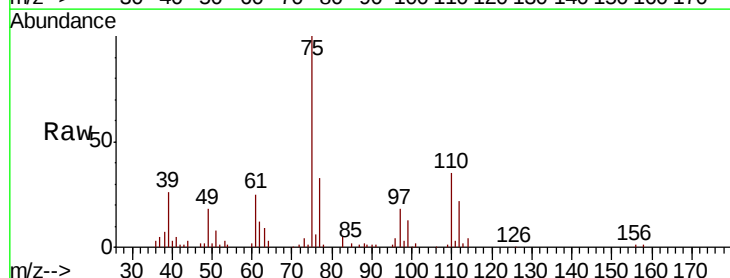
Acq: 24 Oct 2018 11:05

Tgt Ion: 75 Resp: 20135

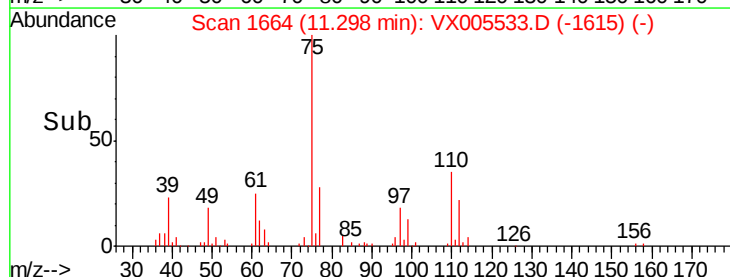
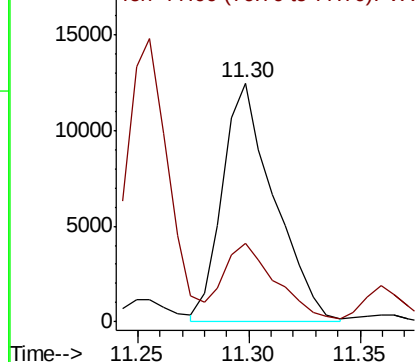
Ion Ratio Lower Upper

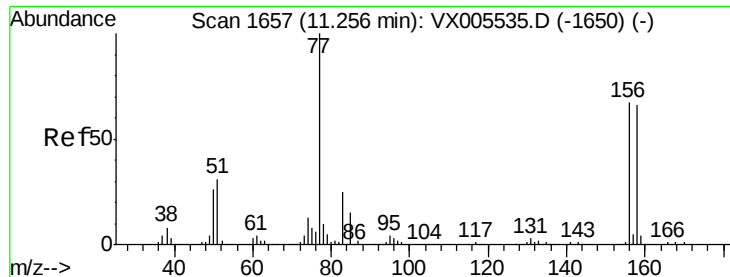
75 100

77 33.1 20.5 61.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0

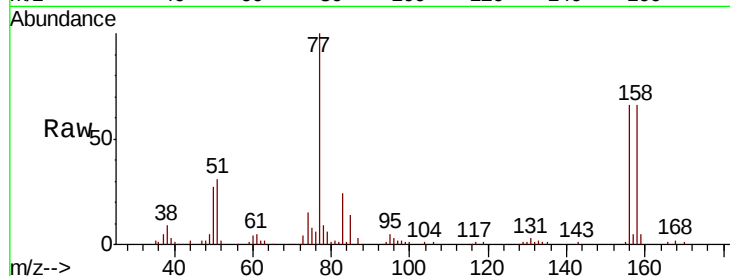




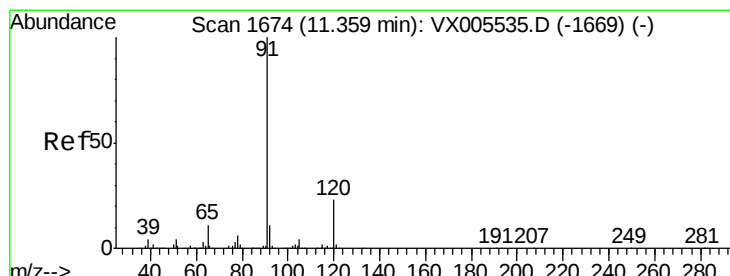
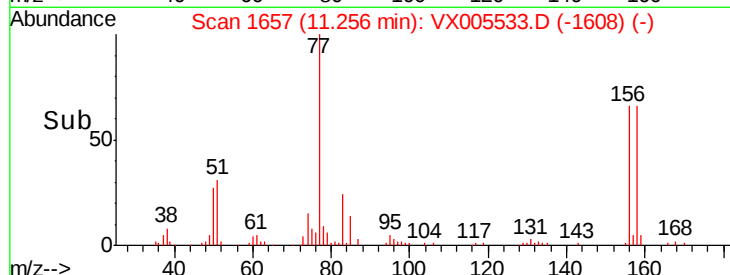
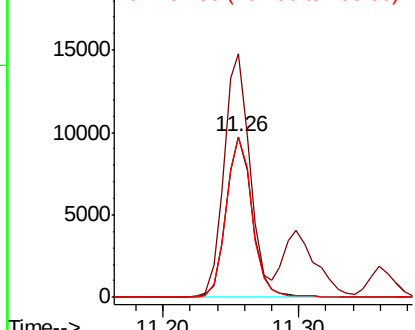
#77
Bromobenzene
Concen: 4.789 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX005533.D
Acq: 24 Oct 2018 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 156 Resp: 12961
Ion Ratio Lower Upper
156 100
77 150.8 74.8 224.4
158 98.3 49.1 147.3

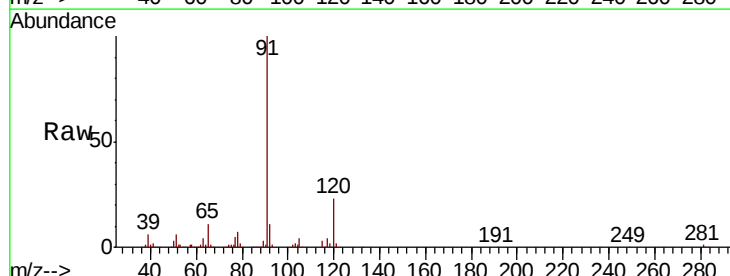


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V

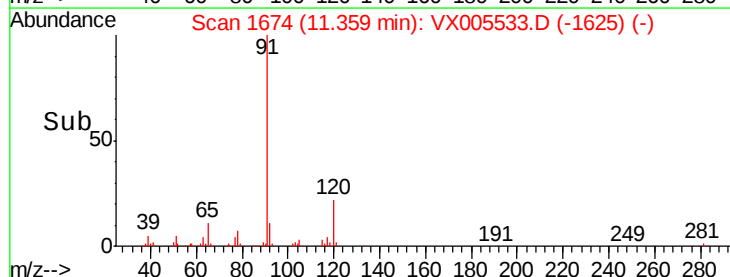
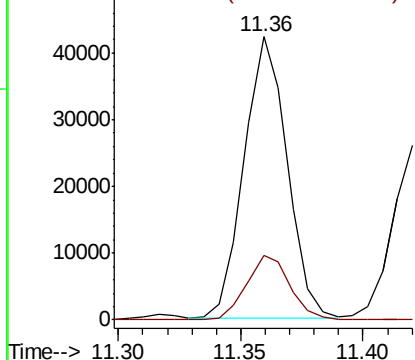


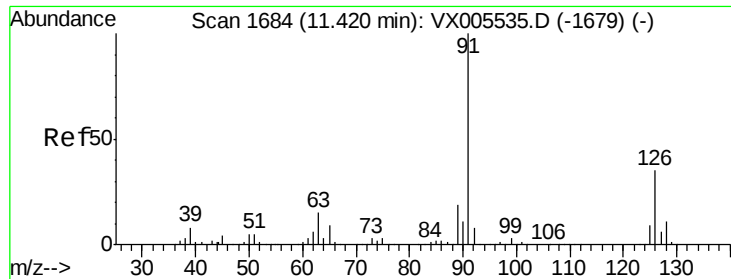
#78
n-propylbenzene
Concen: 4.666 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX005533.D
Acq: 24 Oct 2018 11:05

Tgt Ion: 91 Resp: 51812
Ion Ratio Lower Upper
91 100
120 23.3 11.9 35.5



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

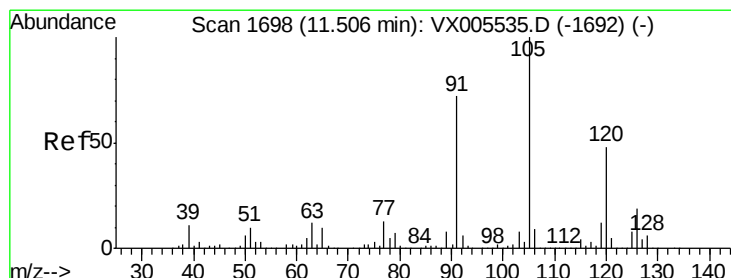
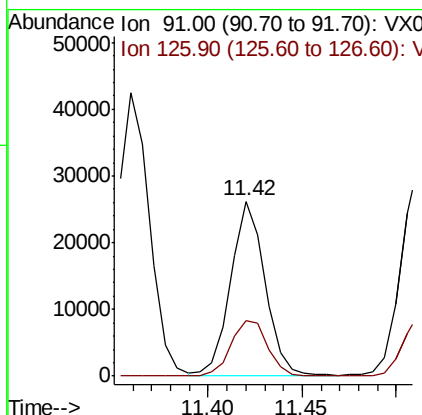
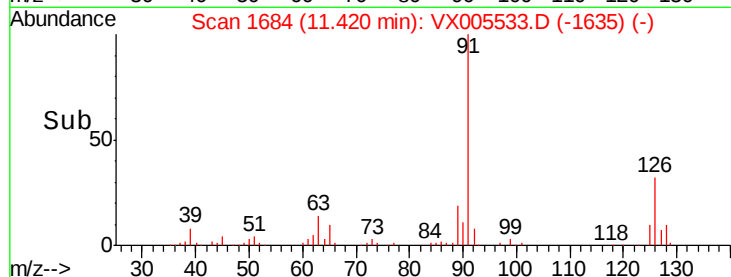
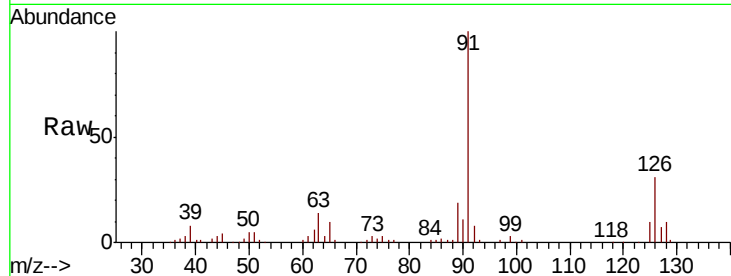




#79
 2-Chlorotoluene
 Concen: 4.758 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX005533.D
 Acq: 24 Oct 2018 11:05

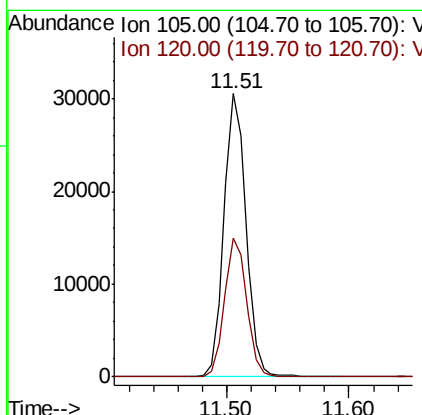
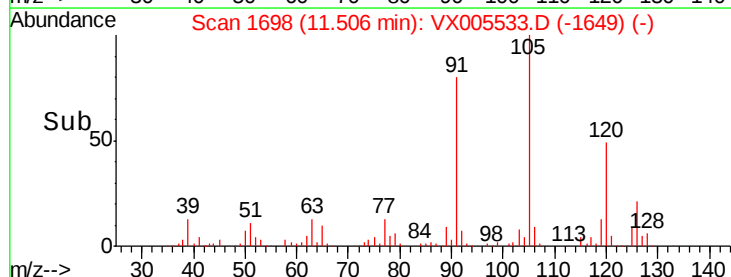
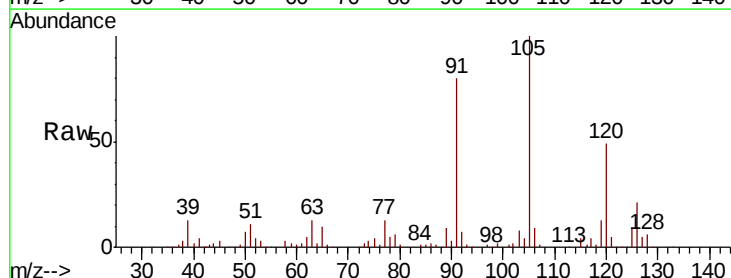
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

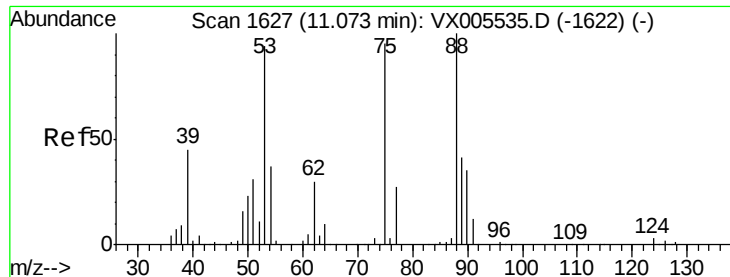
Tgt Ion: 91 Resp: 32758
 Ion Ratio Lower Upper
 91 100
 126 34.5 17.3 52.0



#80
 1,3,5-Trimethylbenzene
 Concen: 4.588 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005533.D
 Acq: 24 Oct 2018 11:05

Tgt Ion: 105 Resp: 38112
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 4.347 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005533.D

Acq: 24 Oct 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

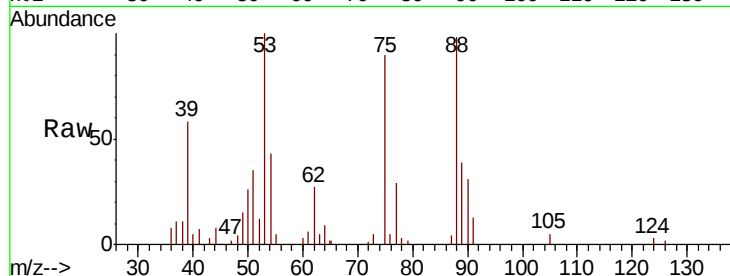
Tgt Ion: 75 Resp: 4478

Ion Ratio Lower Upper

75 100

53 109.2 80.2 120.2

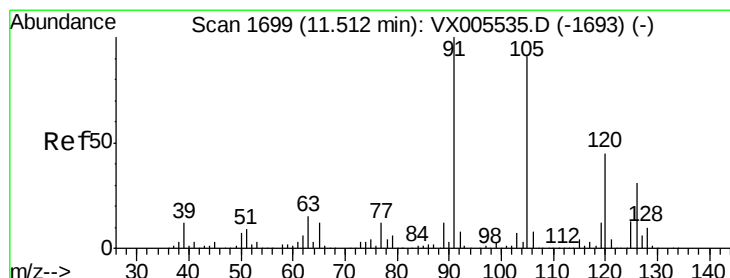
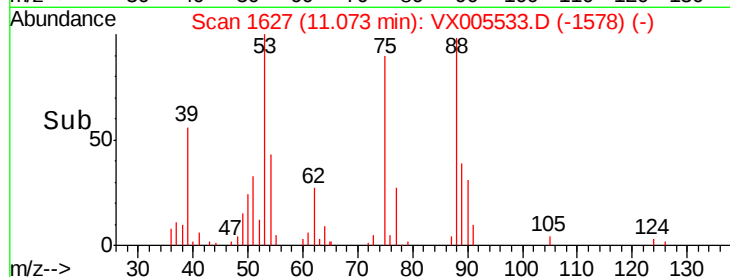
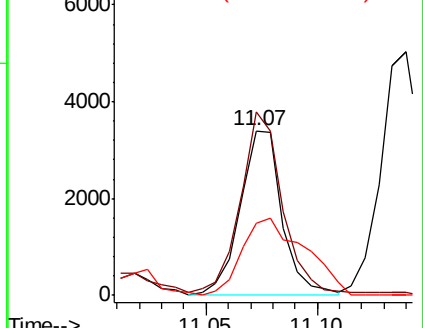
89 69.9 39.8 59.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 4.764 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005533.D

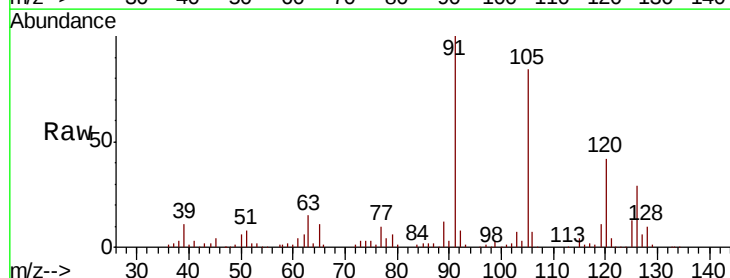
Acq: 24 Oct 2018 11:05

Tgt Ion: 91 Resp: 38678

Ion Ratio Lower Upper

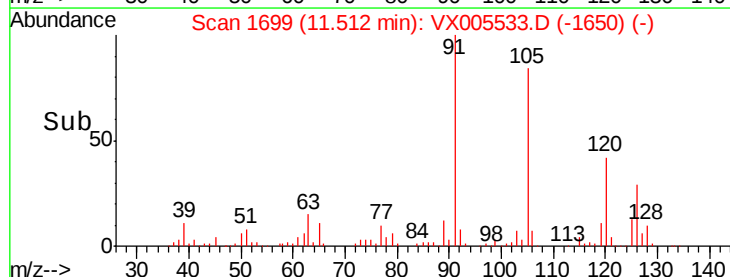
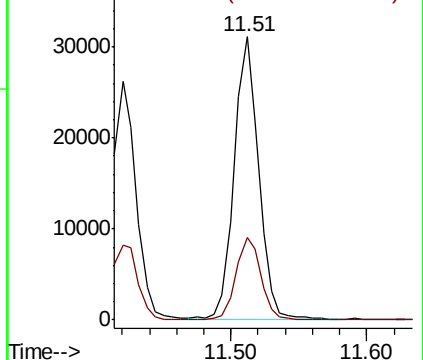
91 100

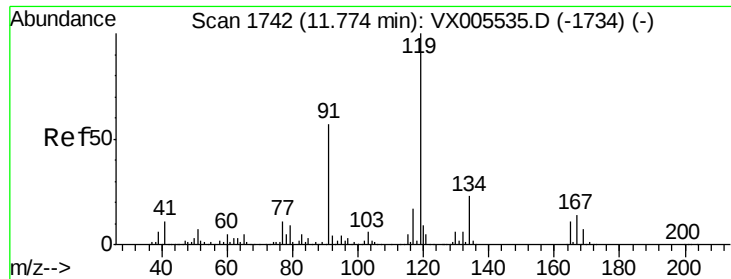
126 29.8 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

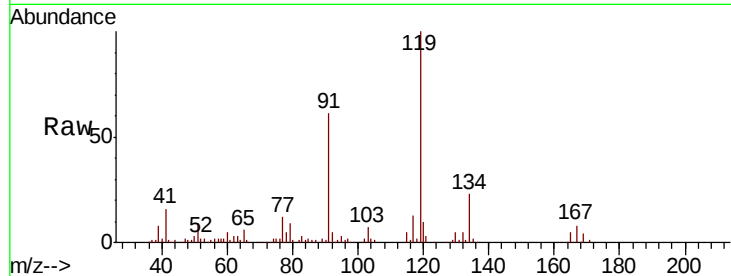




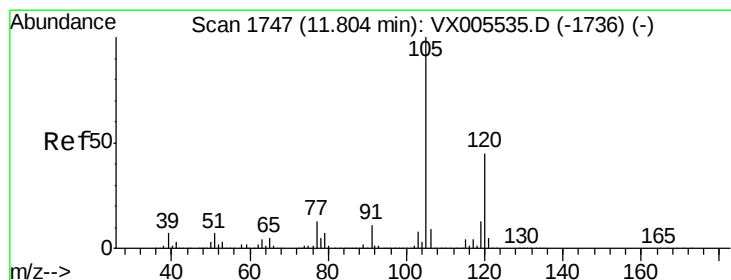
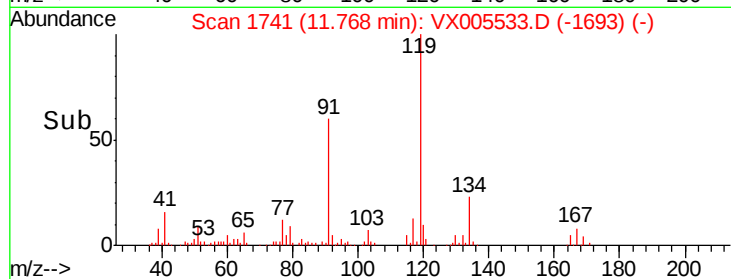
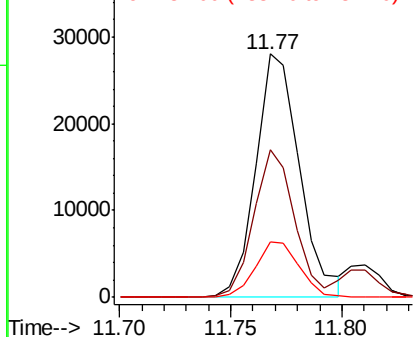
#83
 tert-Butylbenzene
 Concen: 4.640 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.01 min
 Lab File: VX005533.D
 Acq: 24 Oct 2018 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tgt Ion:119 Resp: 38424
 Ion Ratio Lower Upper
 119 100
 91 56.2 28.5 85.5
 134 23.0 11.3 33.8

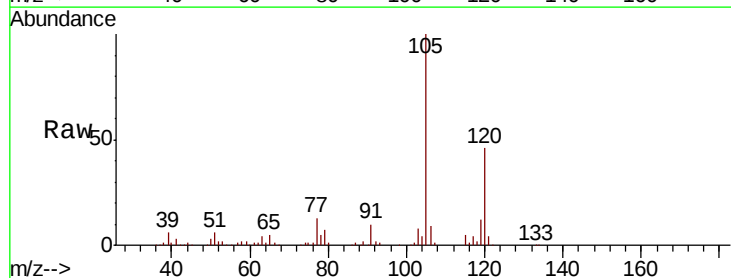


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VX0
 Ion 134.00 (133.70 to 134.70): V

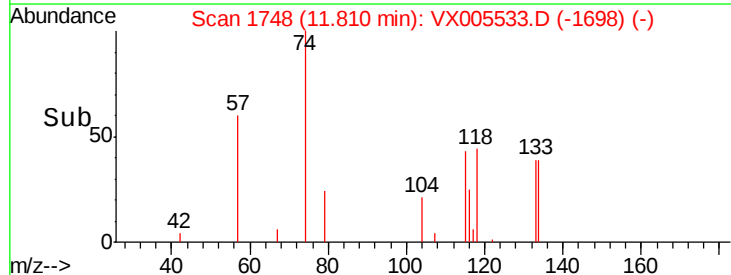
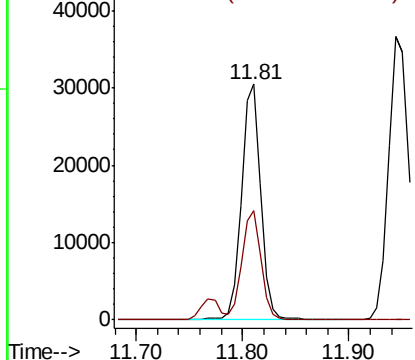


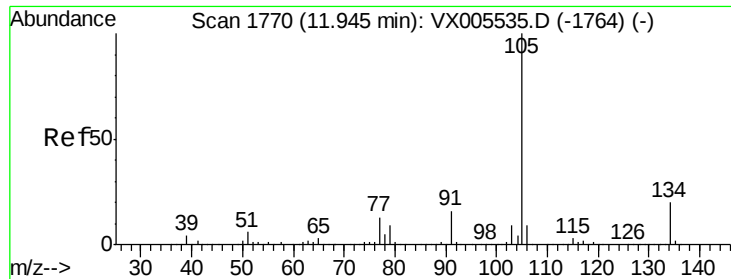
#84
 1,2,4-Trimethylbenzene
 Concen: 4.586 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: VX005533.D
 Acq: 24 Oct 2018 11:05

Tgt Ion:105 Resp: 38612
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.4 67.0



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





#85

sec-Butylbenzene

Concen: 4.737 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005533.D

Acq: 24 Oct 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

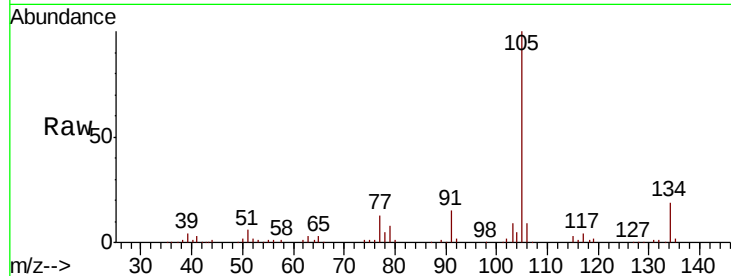
VSTDIC005

Tgt Ion:105 Resp: 46806

Ion Ratio Lower Upper

105 100

134 19.7 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

40000

30000

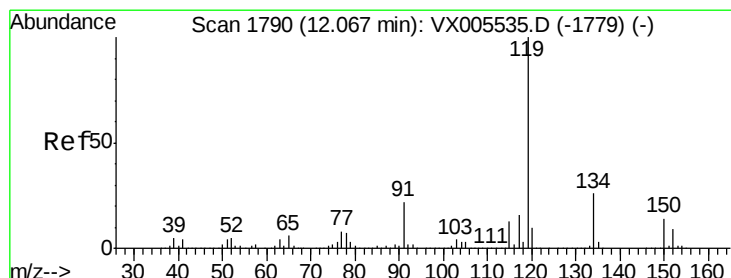
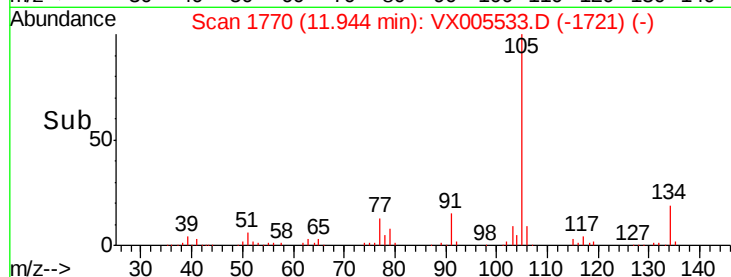
20000

10000

0

11.90 11.95 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 4.641 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005533.D

Acq: 24 Oct 2018 11:05

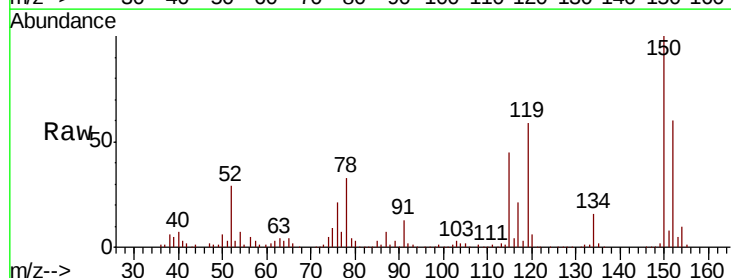
Tgt Ion:119 Resp: 40994

Ion Ratio Lower Upper

119 100

134 26.4 13.0 39.0

91 24.2 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.07

40000

30000

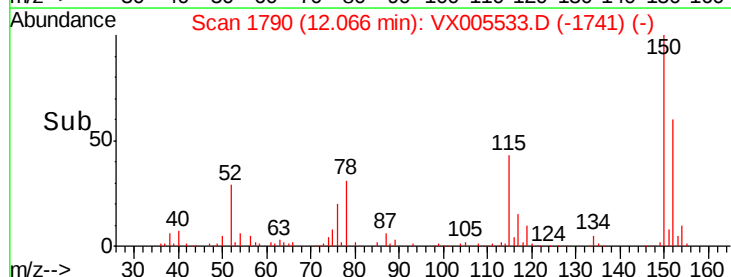
20000

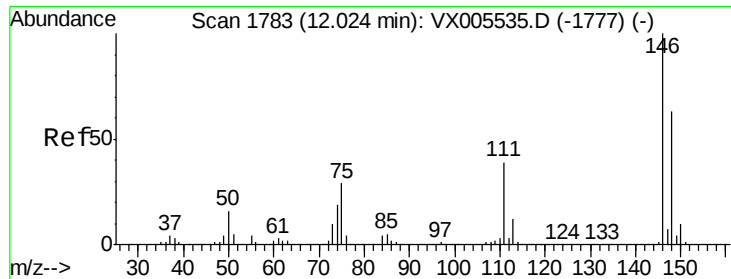
10000

0

12.00 12.05 12.10

Time-->

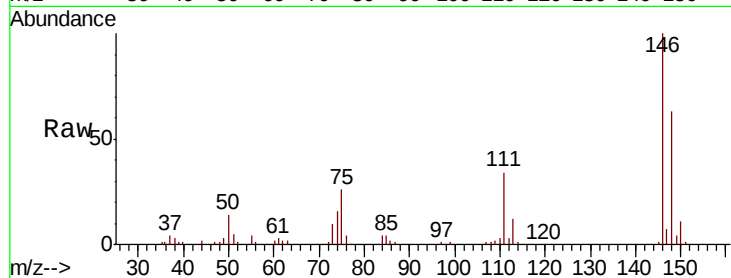




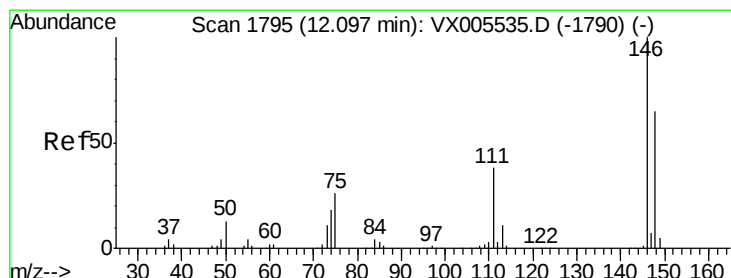
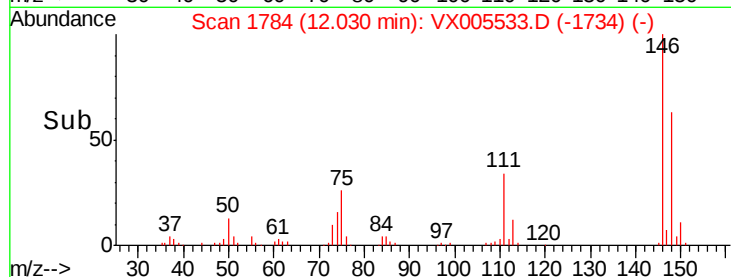
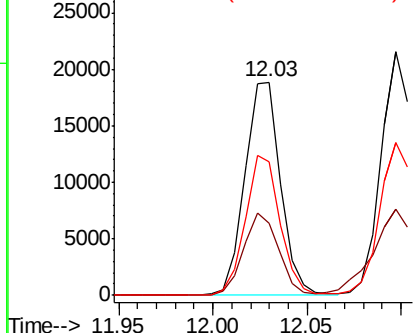
#87
 1,3-Dichlorobenzene
 Concen: 4.885 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. 0.01 min
 Lab File: VX005533.D
 Acq: 24 Oct 2018 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tgt Ion:146 Resp: 24858
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.0 57.0
 148 63.9 31.9 95.9

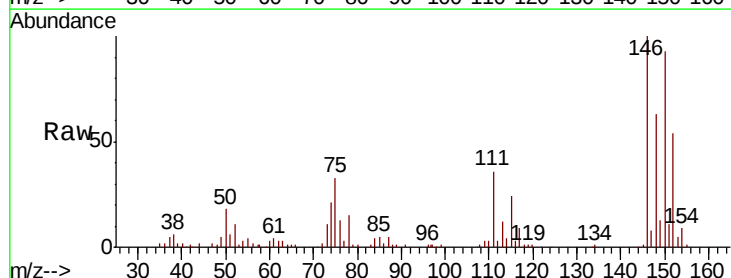


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

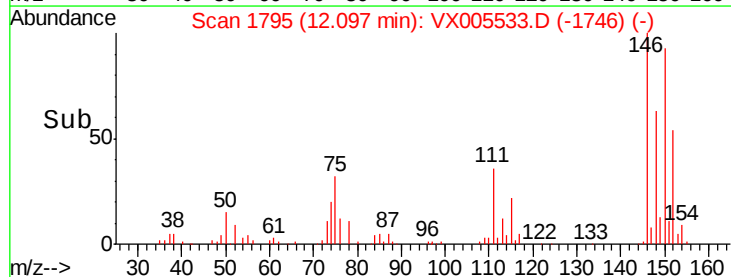
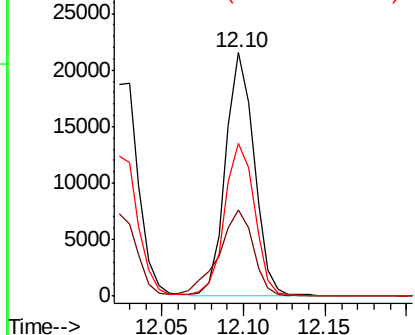


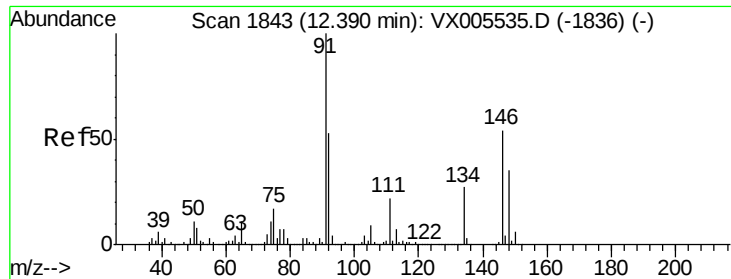
#88
 1,4-Dichlorobenzene
 Concen: 4.948 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005533.D
 Acq: 24 Oct 2018 11:05

Tgt Ion:146 Resp: 26337
 Ion Ratio Lower Upper
 146 100
 111 43.3 18.6 55.8
 148 66.4 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

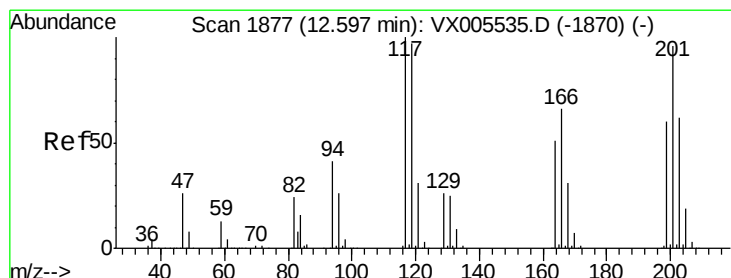
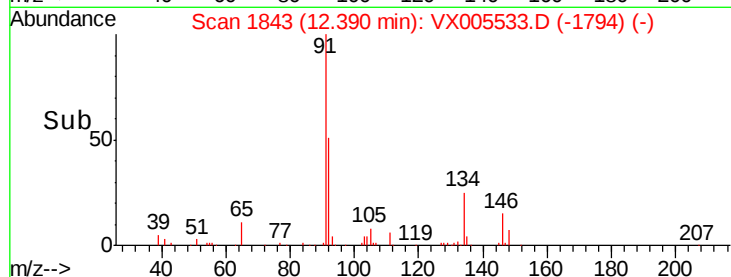
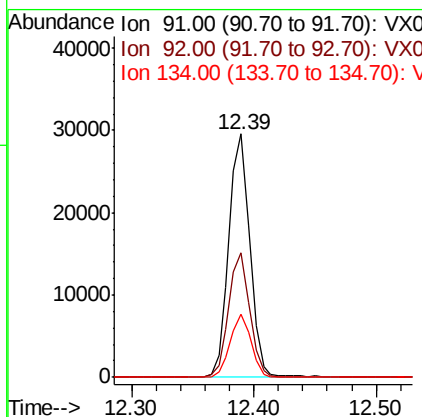
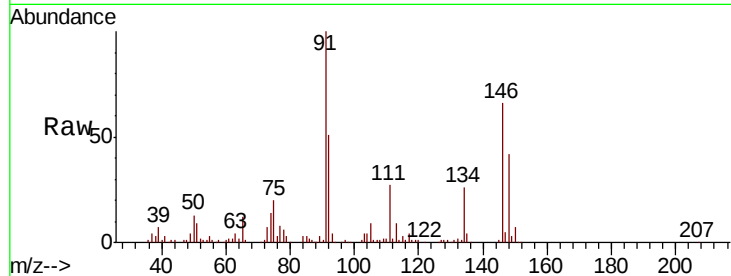




#89
n-Butylbenzene
Concen: 4.408 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005533.D
Acq: 24 Oct 2018 11:05

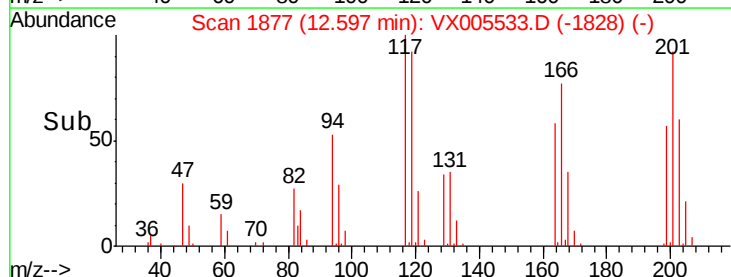
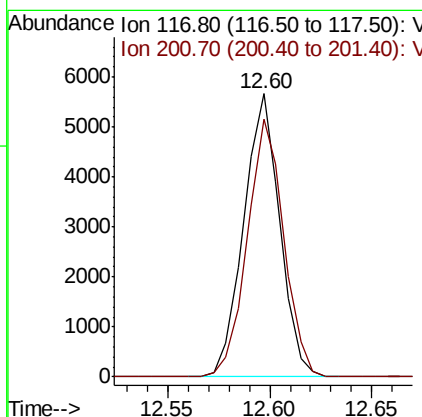
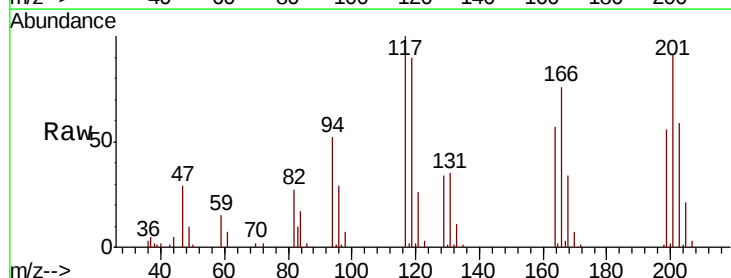
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

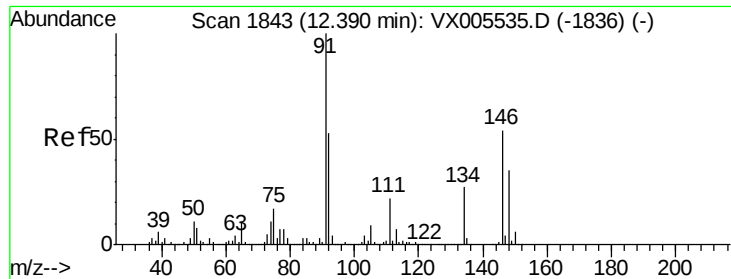
Tgt Ion: 91 Resp: 35148
Ion Ratio Lower Upper
91 100
92 50.6 26.1 78.2
134 25.4 13.1 39.3



#90
Hexachloroethane
Concen: 4.557 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005533.D
Acq: 24 Oct 2018 11:05

Tgt Ion: 117 Resp: 6942
Ion Ratio Lower Upper
117 100
201 92.4 47.9 143.6

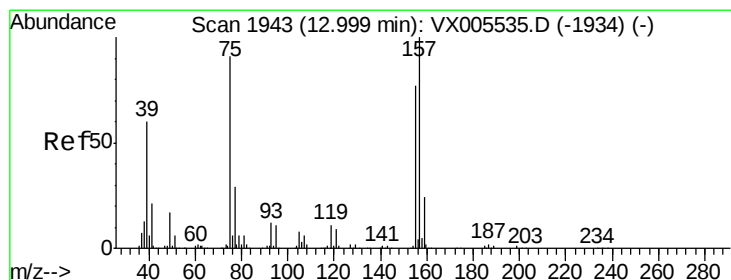
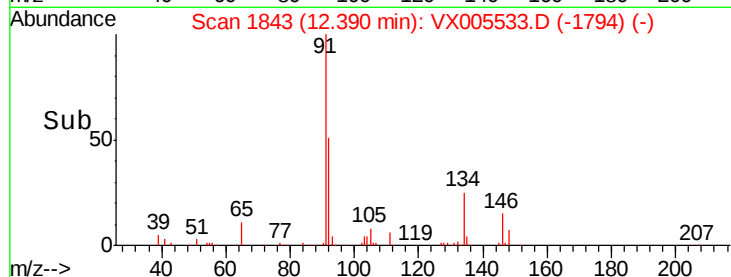
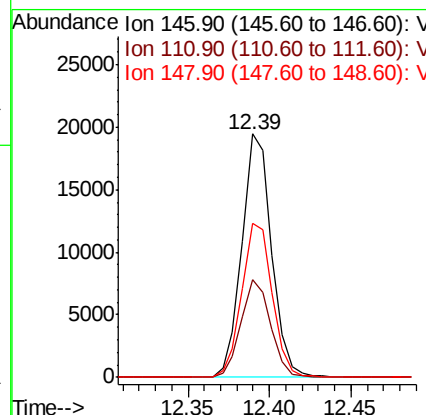
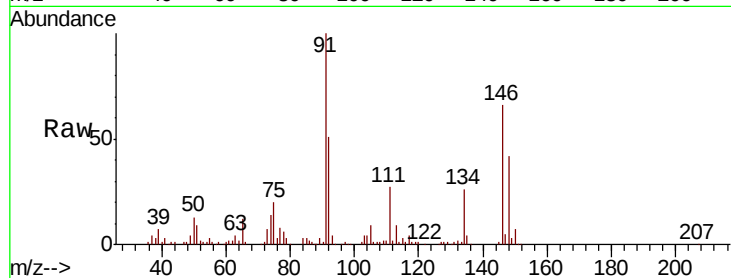




#91
 1,2-Dichlorobenzene
 Concen: 4.793 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005533.D
 Acq: 24 Oct 2018 11:05

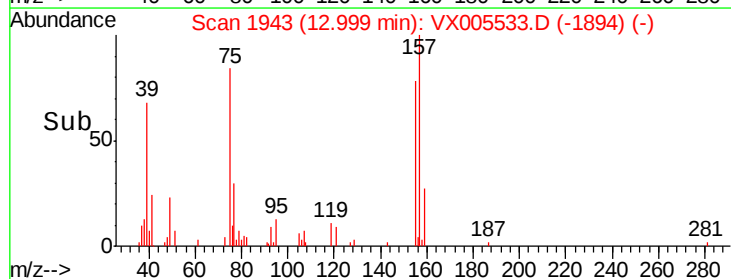
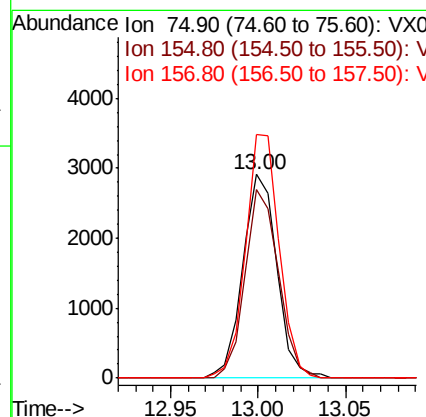
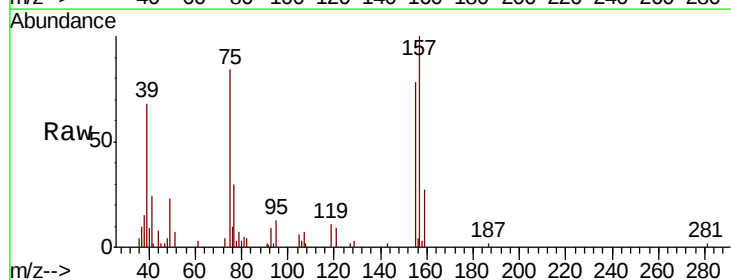
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

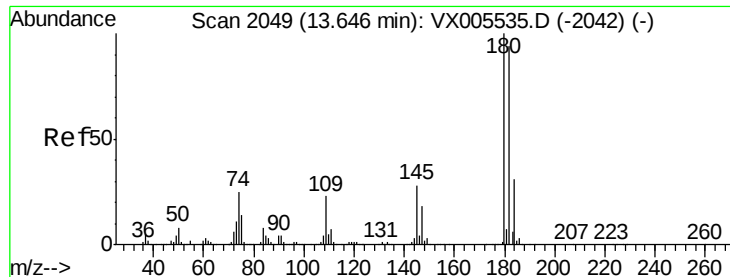
Tgt Ion:146 Resp: 24676
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.0 59.9
 148 65.0 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.570 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005533.D
 Acq: 24 Oct 2018 11:05

Tgt Ion: 75 Resp: 3959
 Ion Ratio Lower Upper
 75 100
 155 90.6 45.4 136.1
 157 118.1 57.4 172.0

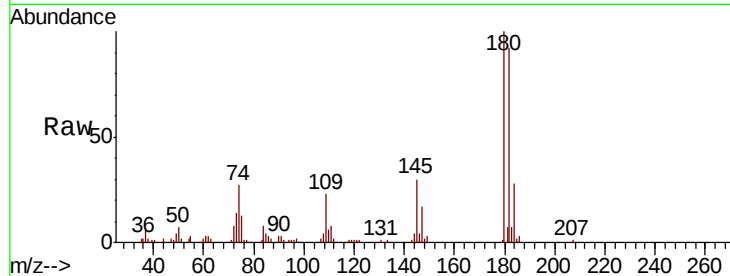




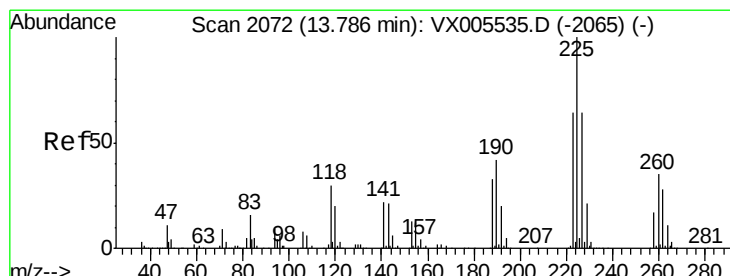
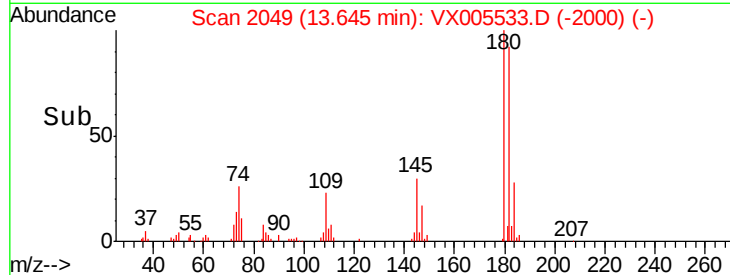
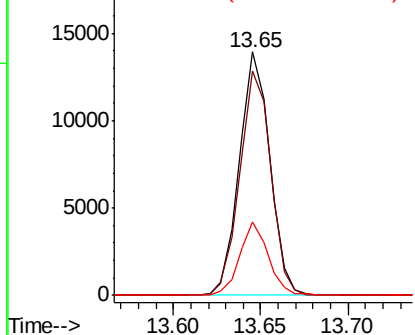
#93
 1,2,4-Trichlorobenzene
 Concen: 4.550 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005533.D
 Acq: 24 Oct 2018 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tgt Ion:180 Resp: 16982
 Ion Ratio Lower Upper
 180 100
 182 93.6 47.6 142.8
 145 28.0 14.1 42.2

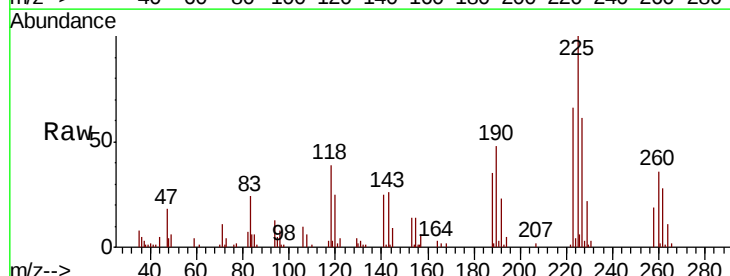


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

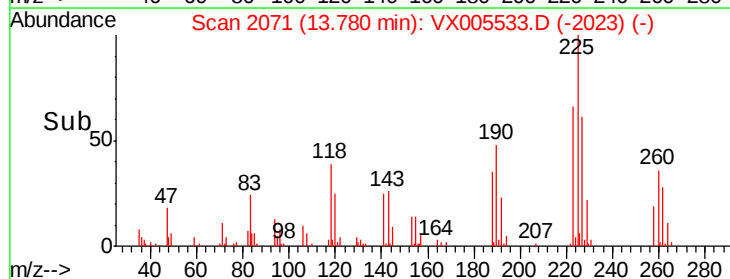
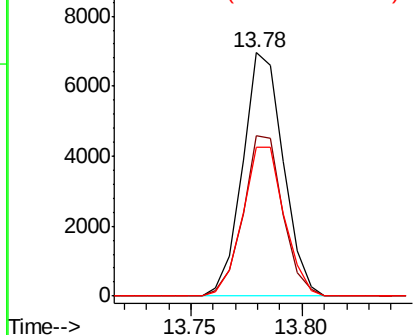


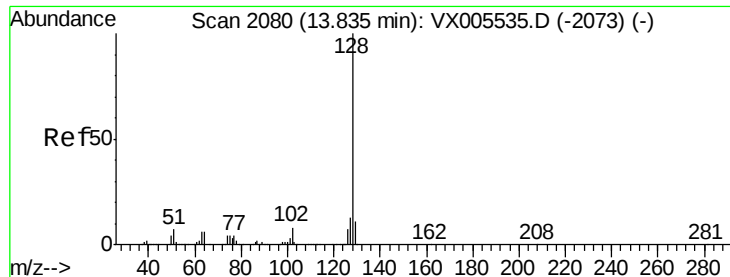
#94
 Hexachlorobutadiene
 Concen: 4.580 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX005533.D
 Acq: 24 Oct 2018 11:05

Tgt Ion:225 Resp: 8859
 Ion Ratio Lower Upper
 225 100
 223 64.2 31.7 95.1
 227 62.8 32.3 96.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 4.188 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005533.D

Acq: 24 Oct 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

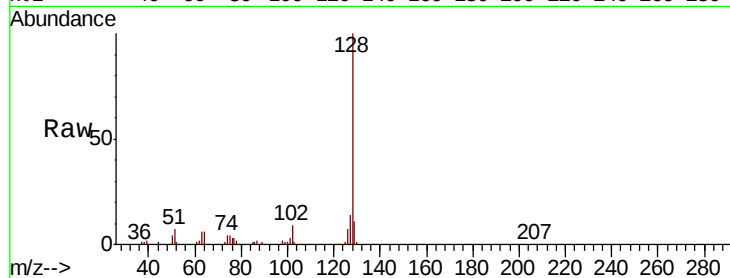
Tgt Ion:128 Resp: 45432

Ion Ratio Lower Upper

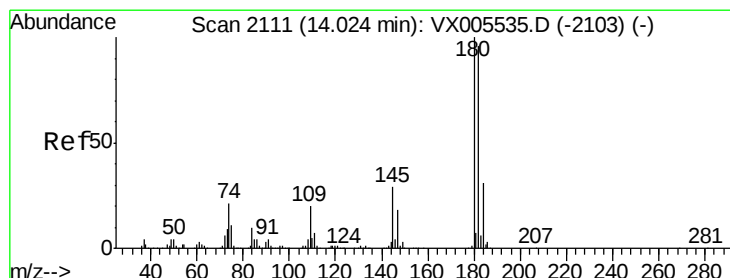
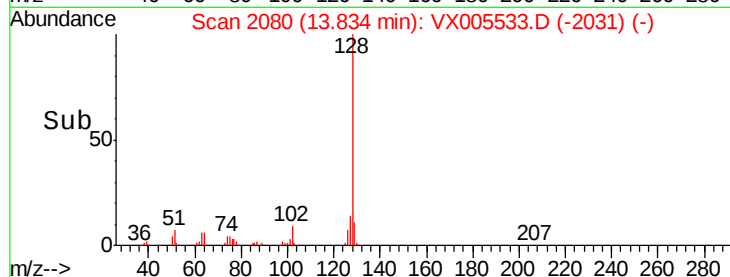
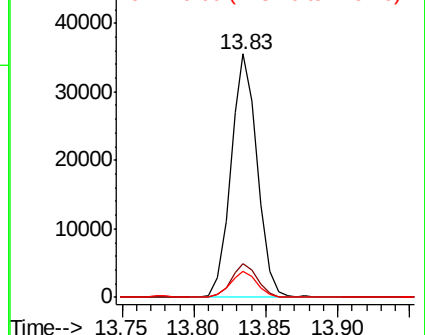
128 100

127 13.6 10.4 15.6

129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 4.664 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX005533.D

Acq: 24 Oct 2018 11:05

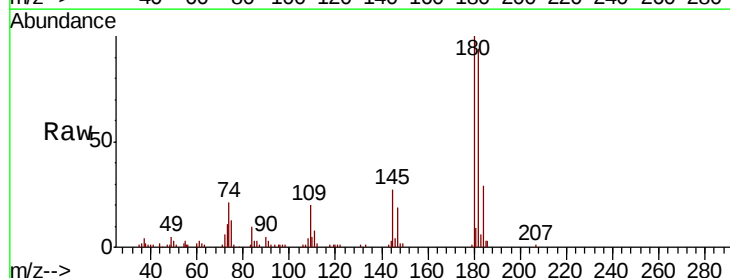
Tgt Ion:180 Resp: 17647

Ion Ratio Lower Upper

180 100

182 95.0 48.0 144.2

145 29.9 15.1 45.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

