

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101818\
 Data File : VX005425.D
 Acq On : 18 Oct 2018 13:03
 Operator : JC/MD
 Sample : VX1018WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018WBS01

Quant Time: Oct 19 03:31:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	294603	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	427419	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	395124	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	217136	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	158100	48.35	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.70%	
35) Dibromofluoromethane	5.50	113	132862	46.93	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.86%	
50) Toluene-d8	8.71	98	499428	51.39	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.78%	
62) 4-Bromofluorobenzene	11.14	95	189228	51.83	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	42527	18.463	ug/l	99
3) Chloromethane	1.32	50	60237	18.048	ug/l	100
4) Vinyl Chloride	1.40	62	62483	18.480	ug/l	100
5) Bromomethane	1.64	94	37228	19.852	ug/l	98
6) Chloroethane	1.71	64	39526	18.821	ug/l	98
7) Trichlorofluoromethane	1.92	101	86501	19.171	ug/l	94
8) Diethyl Ether	2.19	74	38824	20.150	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	52916	20.319	ug/l	97
10) Methyl Iodide	2.51	142	55457	20.943	ug/l	99
11) Tert butyl alcohol	3.07	59	91056	98.725	ug/l	99
12) 1,1-Dichloroethene	2.37	96	50082	19.410	ug/l	98
13) Acrolein	2.29	56	39398	65.343	ug/l	96
14) Allyl chloride	2.73	41	109940	19.407	ug/l	94
15) Acrylonitrile	3.15	53	201851	96.578	ug/l	98
16) Acetone	2.45	43	178919	94.643	ug/l	97
17) Carbon Disulfide	2.57	76	129114	16.518	ug/l	99
18) Methyl Acetate	2.78	43	112586	20.933	ug/l	94
19) Methyl tert-butyl Ether	3.20	73	191963	21.124	ug/l	100
20) Methylene Chloride	2.85	84	58783	20.570	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	54116	18.925	ug/l	96
22) Diisopropyl ether	3.87	45	188726	19.835	ug/l	91
23) Vinyl Acetate	3.82	43	796928	95.825	ug/l	97
24) 1,1-Dichloroethane	3.69	63	105950	19.429	ug/l	98
25) 2-Butanone	4.70	43	266608	96.388	ug/l	94
26) 2,2-Dichloropropane	4.59	77	79382	19.464	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	59998	19.307	ug/l	95
28) Bromochloromethane	5.01	49	50589	20.350	ug/l	94
29) Tetrahydrofuran	5.15	42	168854	95.704	ug/l	94
30) Chloroform	5.21	83	98493	19.459	ug/l	99
31) Cyclohexane	5.57	56	87301	19.424	ug/l	90
32) 1,1,1-Trichloroethane	5.49	97	84267	19.133	ug/l	99
36) 1,1-Dichloropropene	5.80	75	71620	17.302	ug/l	99
37) Ethyl Acetate	4.85	43	96058	18.044	ug/l	99
38) Carbon Tetrachloride	5.78	117	72306	17.384	ug/l	96

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Quant Time: Oct 19 03:31:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	86589	19.327	ug/l	96
40) Benzene	6.14	78	220784	17.780	ug/l	100
41) Methacrylonitrile	5.06	41	52943	18.551	ug/l	98
42) 1,2-Dichloroethane	6.20	62	77707	17.722	ug/l	97
43) Isopropyl Acetate	6.46	43	141971	20.020	ug/l	98
44) Trichloroethene	7.21	130	62551	19.346	ug/l	98
45) 1,2-Dichloropropane	7.52	63	60732	19.938	ug/l	98
46) Dibromomethane	7.66	93	37638	18.721	ug/l	97
47) Bromodichloromethane	7.90	83	70226	18.885	ug/l	99
48) Methyl methacrylate	7.77	41	72912	19.824	ug/l	95
49) 1,4-Dioxane	7.76	88	33214	391.527	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	501228	102.078	ug/l	95
52) Toluene	8.79	92	140492	20.680	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	79336	19.714	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	89463	20.516	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	58710	20.403	ug/l	98
56) Ethyl methacrylate	9.18	69	90333	21.535	ug/l	97
57) 1,3-Dichloropropane	9.37	76	97831	20.370	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	256862	109.186	ug/l	95
59) 2-Hexanone	9.49	43	395596	100.156	ug/l	95
60) Dibromochloromethane	9.59	129	56960	19.150	ug/l	98
61) 1,2-Dibromoethane	9.67	107	61303	20.300	ug/l	99
64) Tetrachloroethene	9.34	164	64426	20.254	ug/l	97
65) Chlorobenzene	10.14	112	161314	19.193	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.22	131	57344	19.146	ug/l	98
67) Ethyl Benzene	10.25	91	270109	19.769	ug/l	98
68) m/p-Xylenes	10.36	106	210307	39.656	ug/l	96
69) o-Xylene	10.70	106	103649	20.265	ug/l	99
70) Styrene	10.71	104	167427	19.902	ug/l	97
71) Bromoform	10.86	173	46520	17.381	ug/l	99
73) Isopropylbenzene	11.02	105	278663	21.588	ug/l	99
74) N-amyl acetate	10.90	43	129023	20.724	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	94720	19.452	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	110760	26.297	ug/l	86
77) Bromobenzene	11.26	156	75713	20.514	ug/l	99
78) n-propylbenzene	11.36	91	317485	21.374	ug/l	100
79) 2-Chlorotoluene	11.42	91	190017	20.888	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	234242	21.191	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	26386	19.035	ug/l	98
82) 4-Chlorotoluene	11.51	91	219773	20.380	ug/l	99
83) tert-Butylbenzene	11.77	119	235456	21.035	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	244305	21.477	ug/l	98
85) sec-Butylbenzene	11.94	105	286576	21.634	ug/l	99
86) p-Isopropyltoluene	12.07	119	257185	21.480	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	138955	20.148	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	141978	20.124	ug/l	99
89) n-Butylbenzene	12.39	91	225239	20.719	ug/l	98
90) Hexachloroethane	12.60	117	37177	18.017	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	140330	19.939	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21897	18.435	ug/l	92

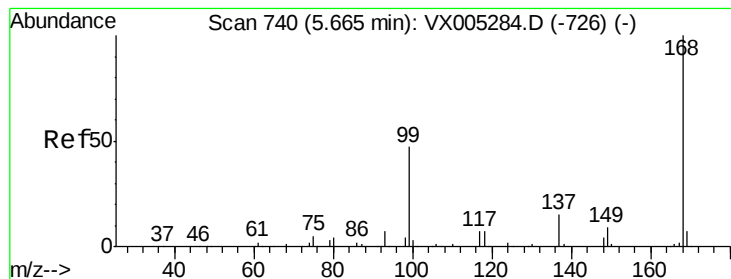
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX101818\
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Quant Time: Oct 19 03:31:19 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 12 11:28:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	109642	21.234	ug/l	99
94) Hexachlorobutadiene	13.79	225	53255	19.528	ug/l	96
95) Naphthalene	13.83	128	340247	22.721	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	111775	21.157	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

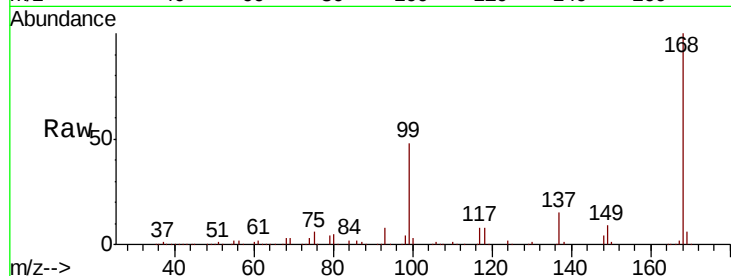
VX1018WBS01

Tot Ion:168 Resp: 294603

Ion Ratio Lower Upper

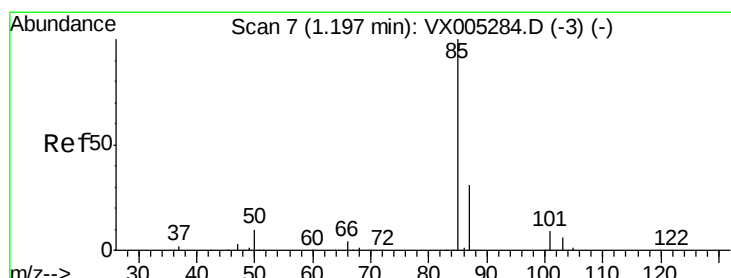
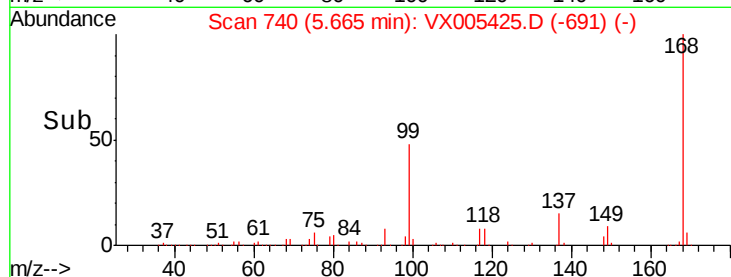
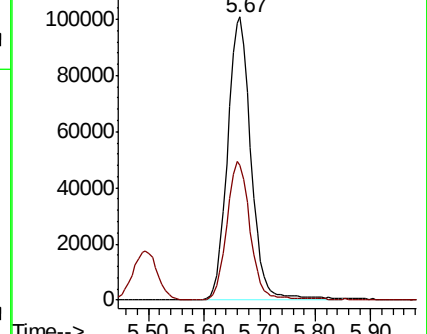
168 100

99 47.5 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 18.463 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005425.D

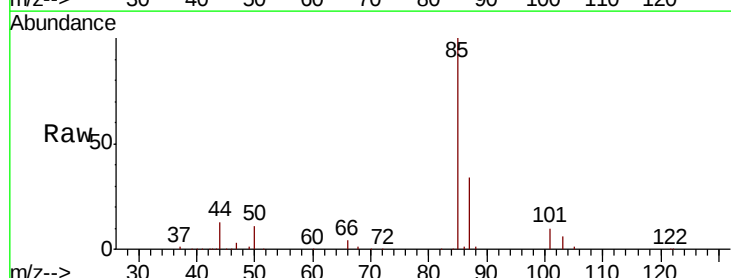
Acq: 18 Oct 2018 13:03

Tgt Ion: 85 Resp: 42527

Ion Ratio Lower Upper

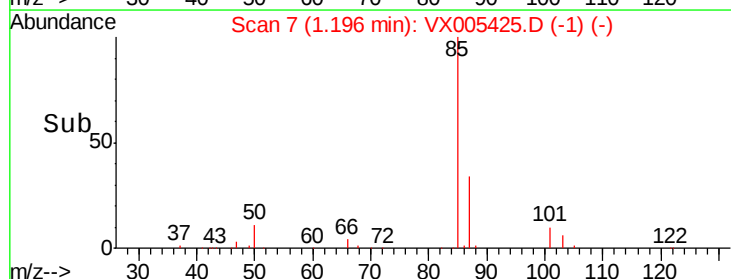
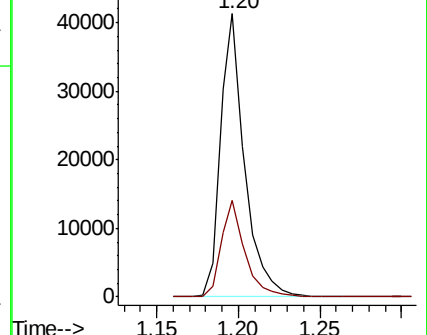
85 100

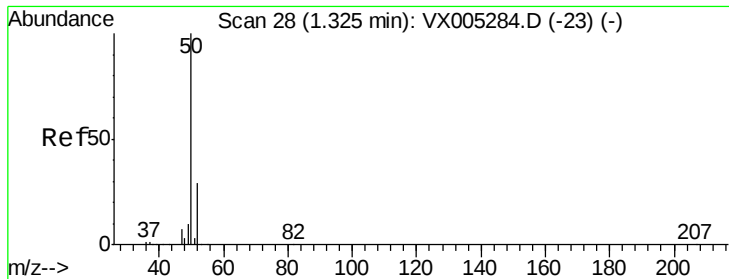
87 34.3 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 18.048 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

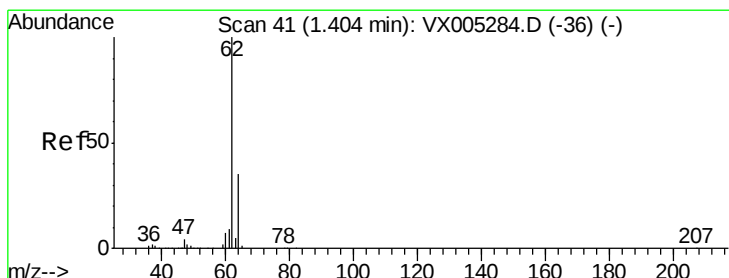
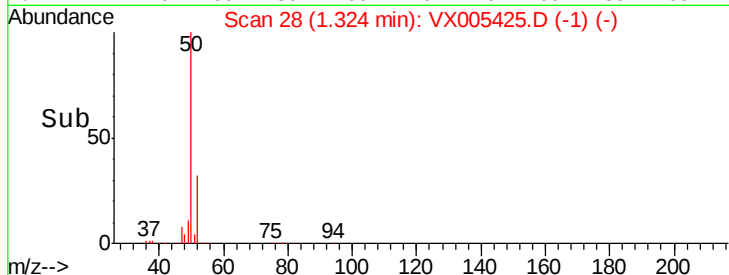
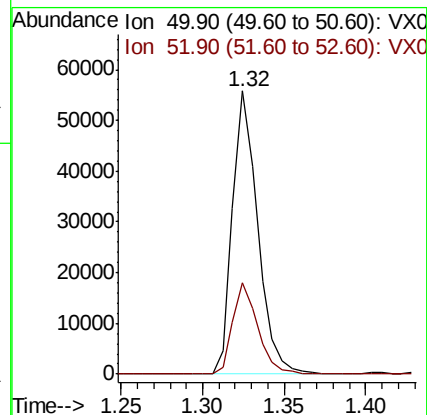
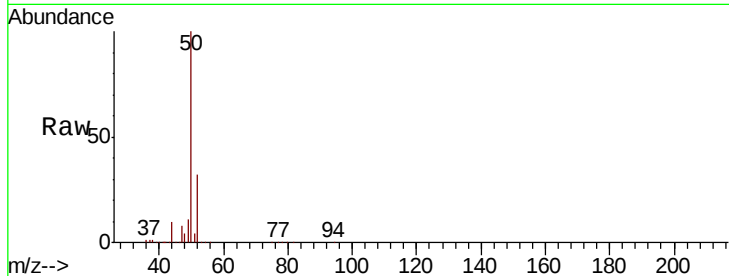
VX1018WBS01

Tot Ion: 50 Resp: 60237

Ion Ratio Lower Upper

50 100

52 32.4 26.2 39.2



#4

Vinyl Chloride

Concen: 18.480 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005425.D

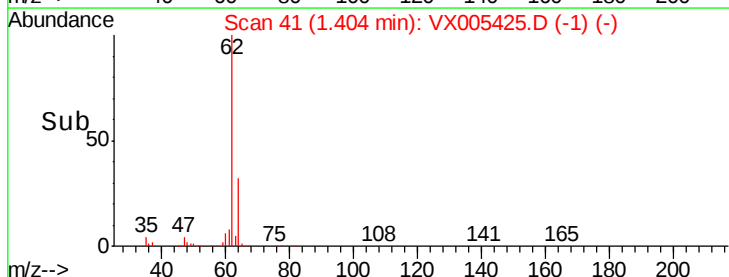
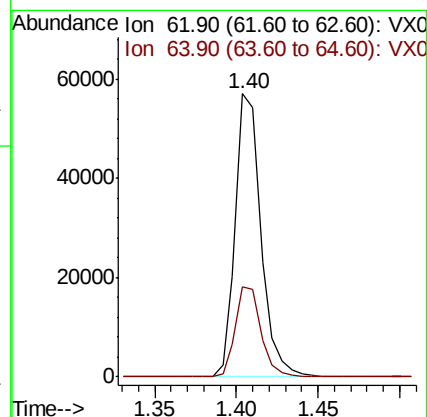
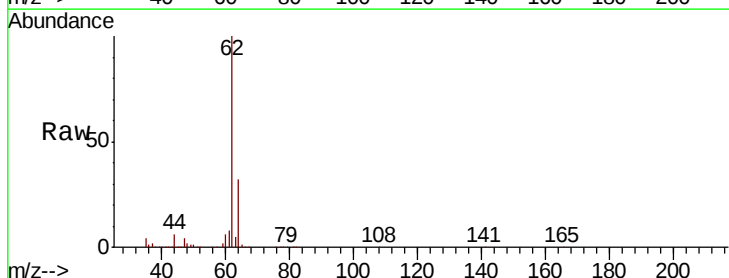
Acq: 18 Oct 2018 13:03

Tgt Ion: 62 Resp: 62483

Ion Ratio Lower Upper

62 100

64 32.0 25.8 38.8





#5

Bromomethane

Concen: 19.852 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

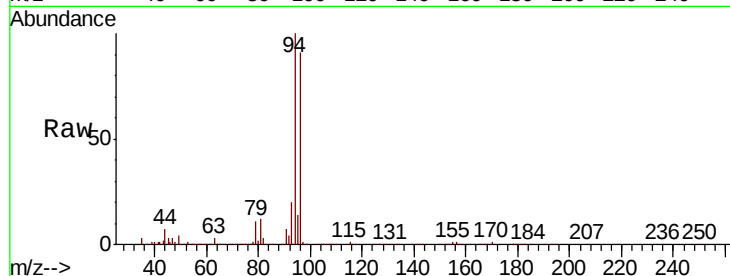
VX1018WBS01

Tot Ion: 94 Resp: 37228

Ion Ratio Lower Upper

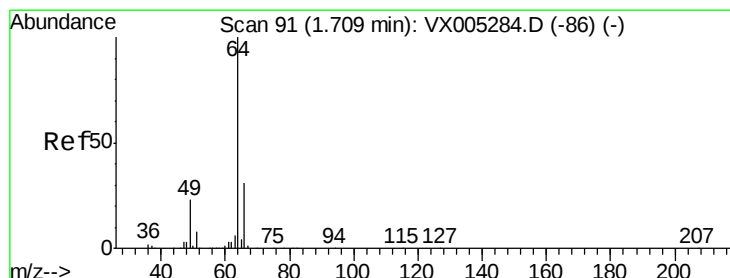
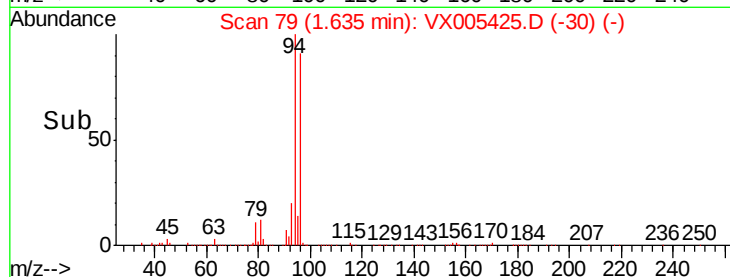
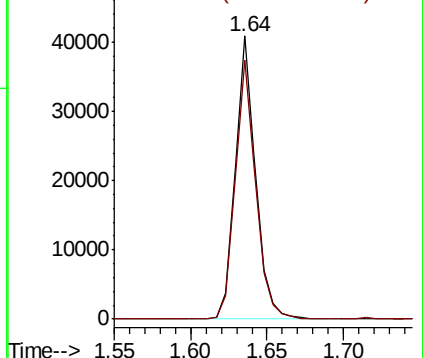
94 100

96 91.6 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.821 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005425.D

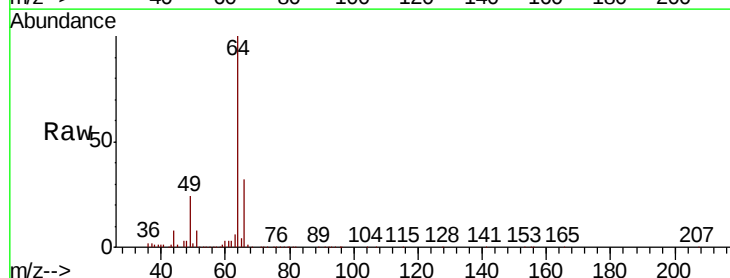
Acq: 18 Oct 2018 13:03

Tgt Ion: 64 Resp: 39526

Ion Ratio Lower Upper

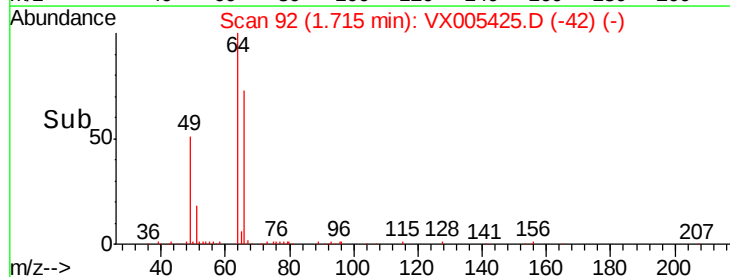
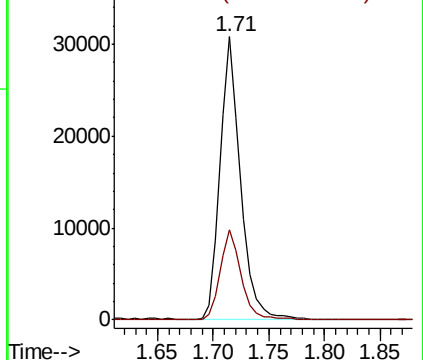
64 100

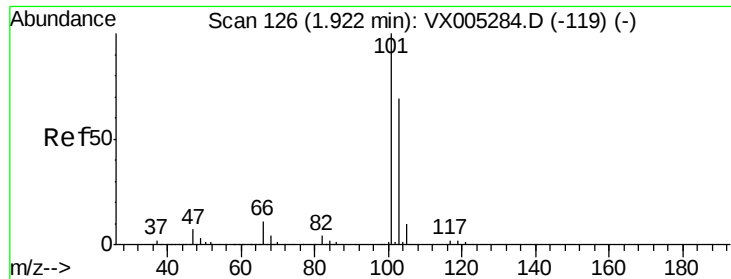
66 31.7 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



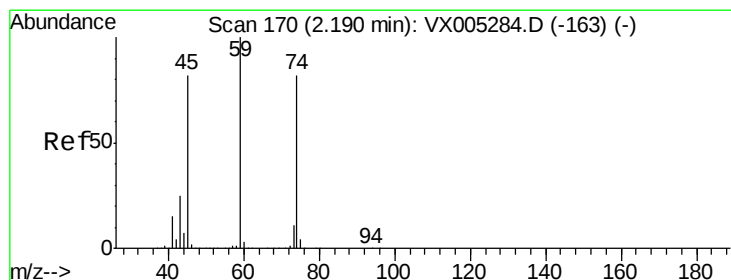
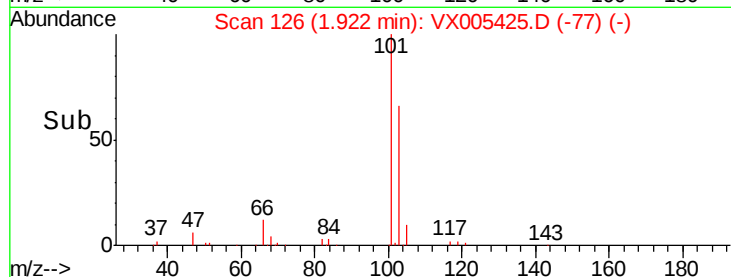
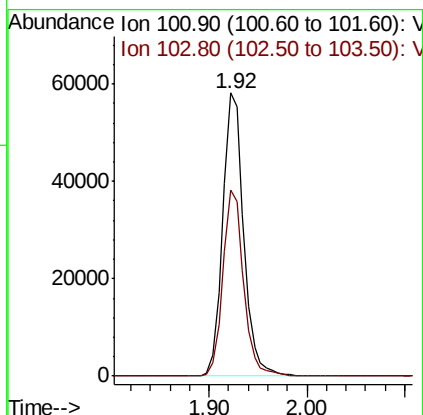
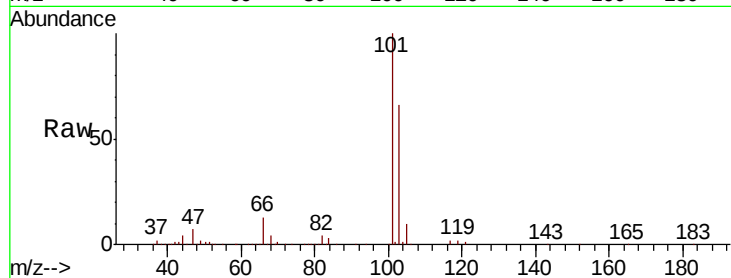


#7

Trichlorofluoromethane
 Concen: 19.171 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.00 min
 Lab File: VX005425.D
 Acq: 18 Oct 2018 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018WBS01

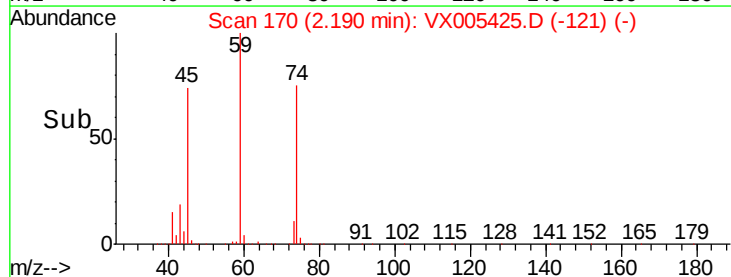
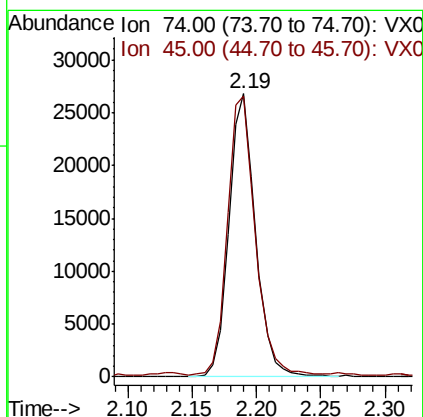
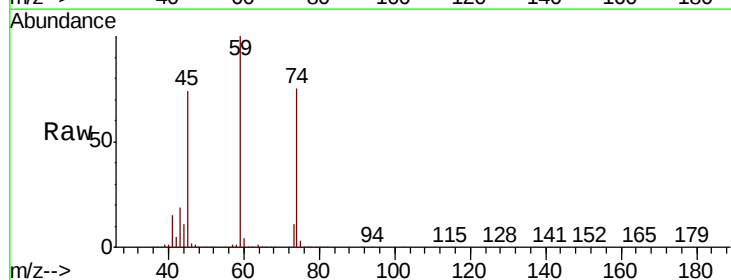
Tot Ion:101 Resp: 86501
 Ion Ratio Lower Upper
 101 100
 103 65.6 48.9 73.3

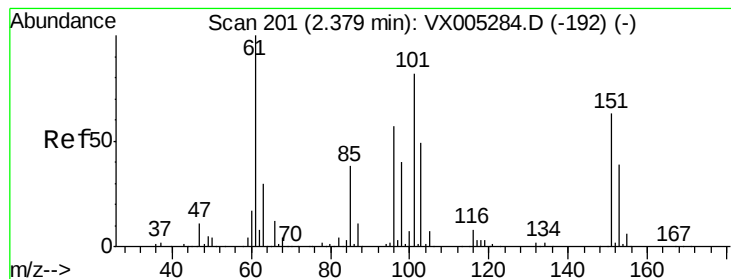


#8

Diethyl Ether
 Concen: 20.150 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005425.D
 Acq: 18 Oct 2018 13:03

Tgt Ion: 74 Resp: 38824
 Ion Ratio Lower Upper
 74 100
 45 102.0 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.319 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBS01

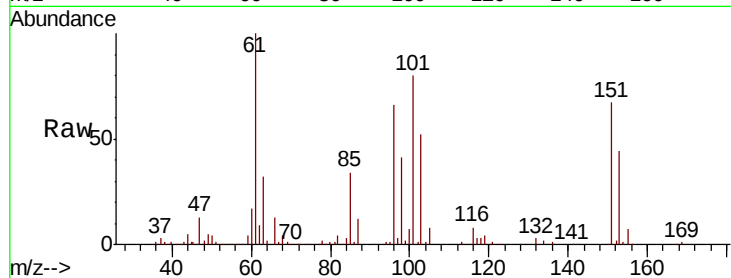
Tot Ion:101 Resp: 52916

Ion Ratio Lower Upper

101 100

85 43.0 34.2 51.4

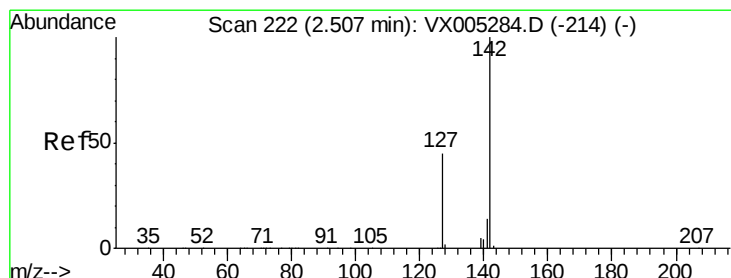
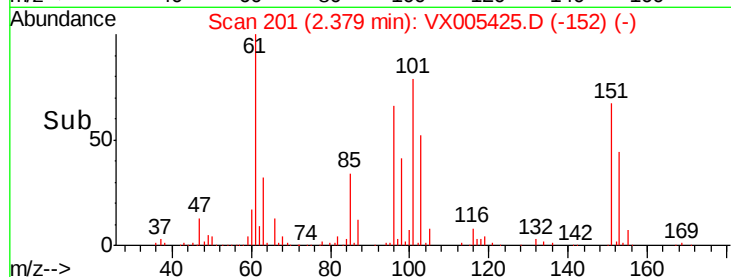
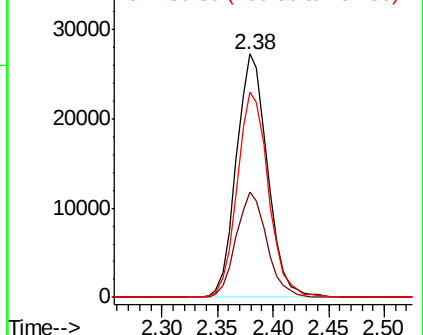
151 85.3 65.0 97.6



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: 20.943 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

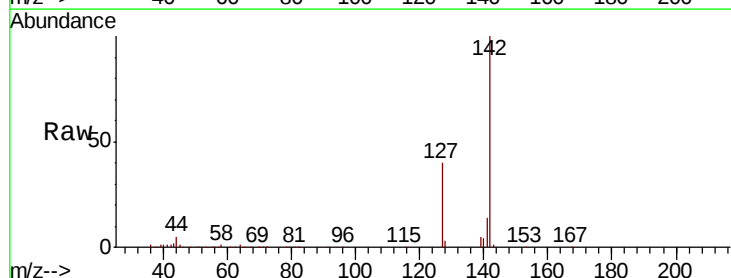
Tgt Ion:142 Resp: 55457

Ion Ratio Lower Upper

142 100

127 41.5 33.8 50.6

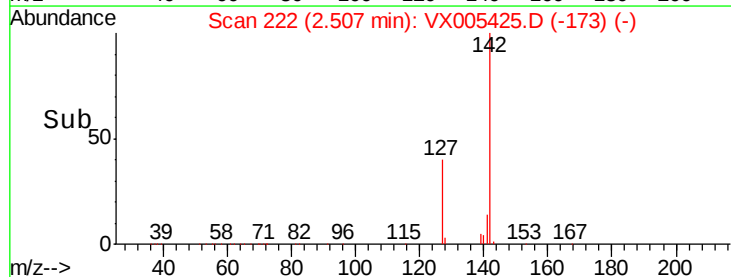
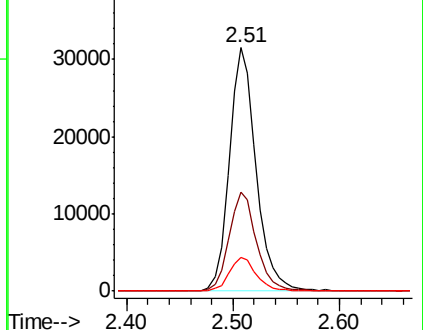
141 14.3 11.4 17.0



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



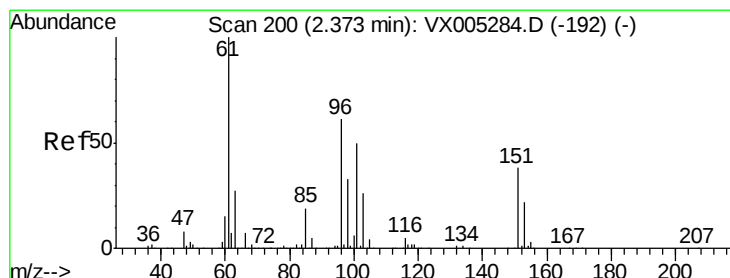
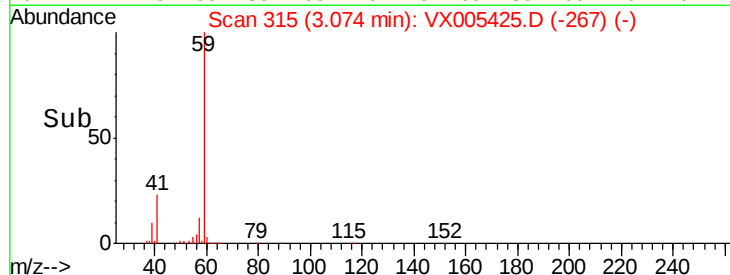
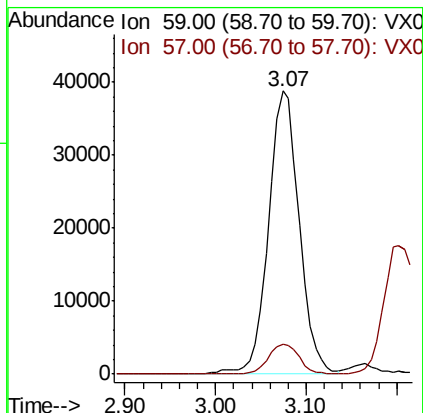
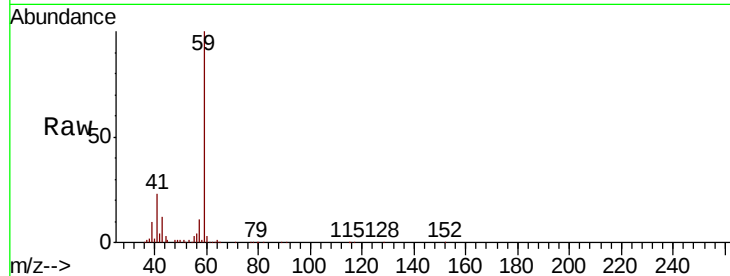


#11

Tert butyl alcohol
 Concen: 98.725 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX005425.D
 Acq: 18 Oct 2018 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018WBS01

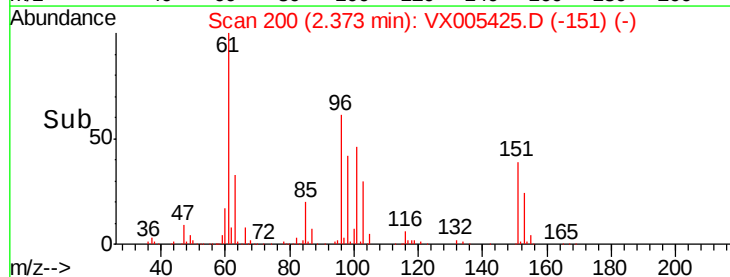
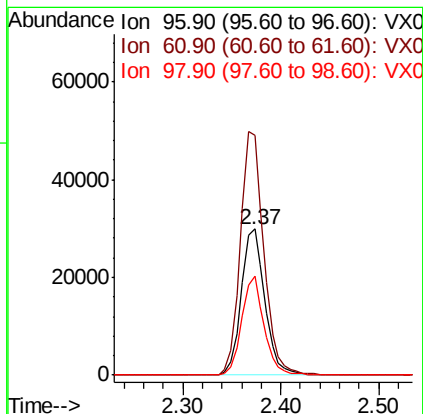
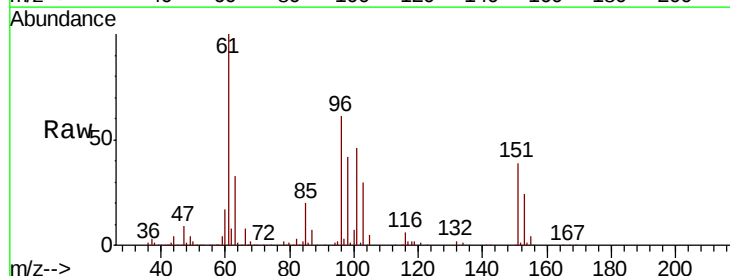
Tot Ion: 59 Resp: 91056
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.2 12.4

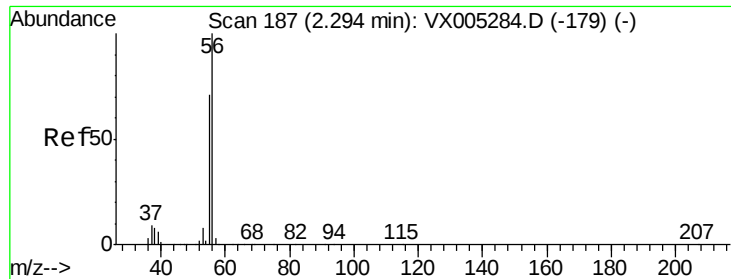


#12

1,1-Dichloroethene
 Concen: 19.410 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX005425.D
 Acq: 18 Oct 2018 13:03

Tgt Ion: 96 Resp: 50082
 Ion Ratio Lower Upper
 96 100
 61 163.7 128.8 193.2
 98 68.0 52.2 78.2





#13

Acrolein

Concen: 65.343 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

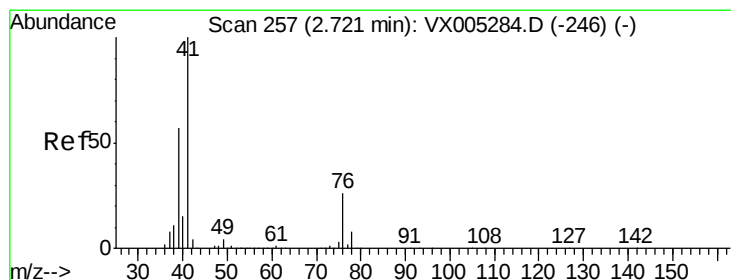
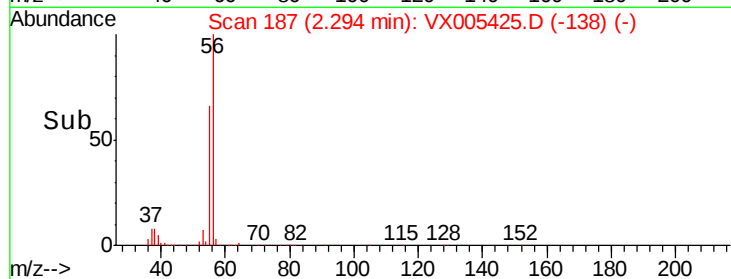
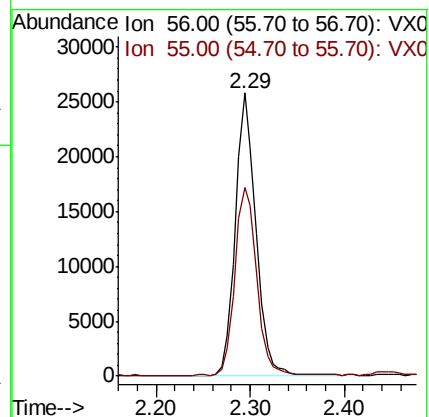
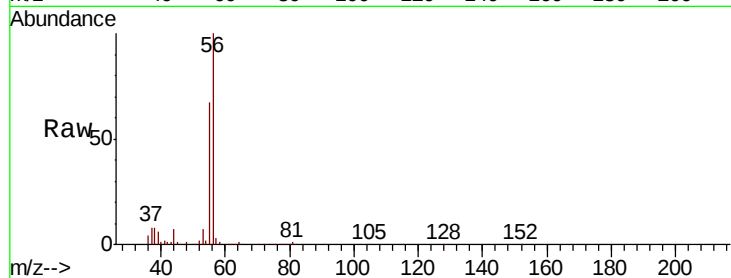
VX1018WBS01

Tot Ion: 56 Resp: 39398

Ion Ratio Lower Upper

56 100

55 71.4 54.7 82.1



#14

Allyl chloride

Concen: 19.407 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

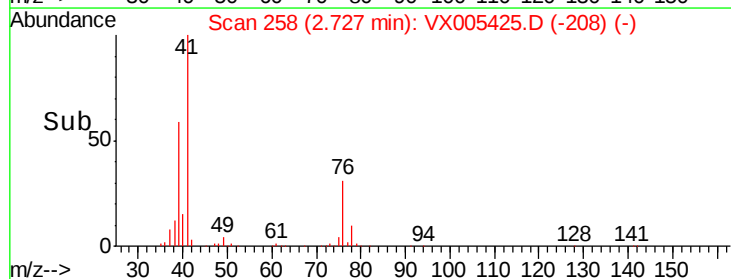
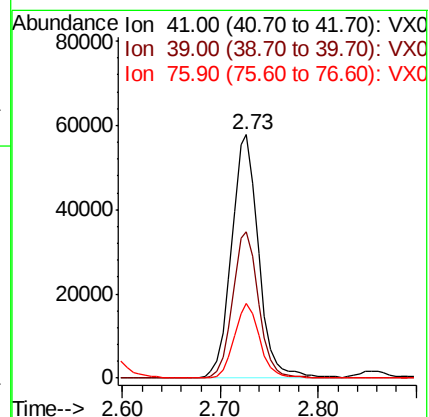
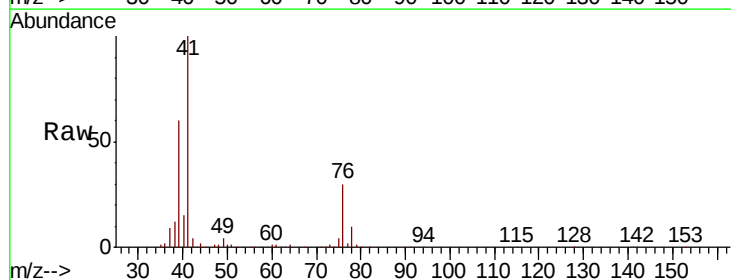
Tgt Ion: 41 Resp: 109940

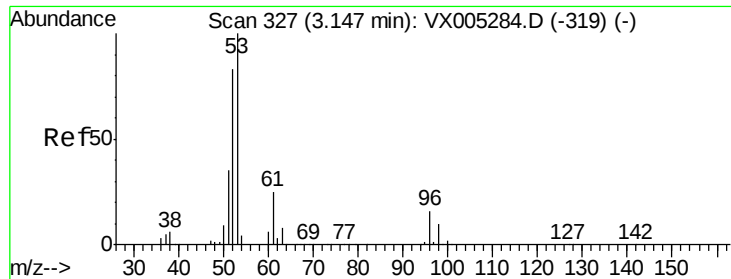
Ion Ratio Lower Upper

41 100

39 57.7 48.9 73.3

76 29.0 26.7 40.1





#15

Acrylonitrile

Concen: 96.578 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampled :

VX1018WBS01

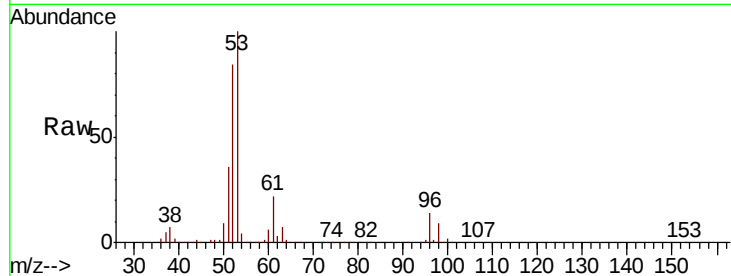
Tot Ion: 53 Resp: 201851

Ion Ratio Lower Upper

53 100

52 83.7 65.2 97.8

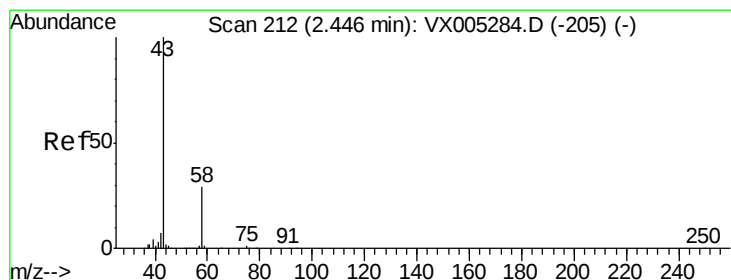
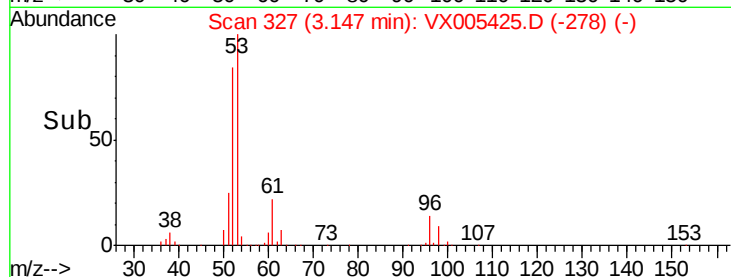
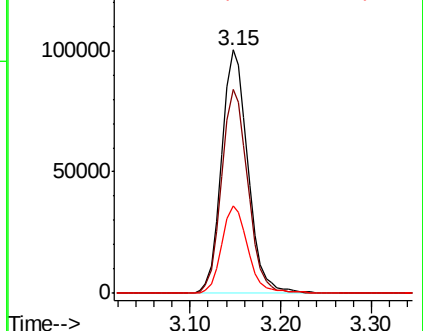
51 35.9 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 94.643 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005425.D

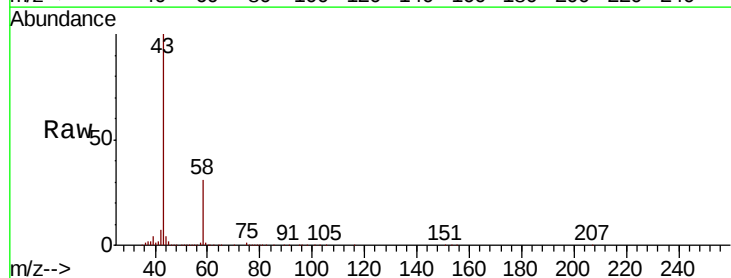
Acq: 18 Oct 2018 13:03

Tgt Ion: 43 Resp: 178919

Ion Ratio Lower Upper

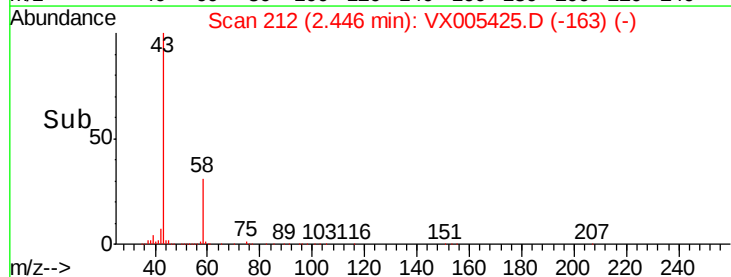
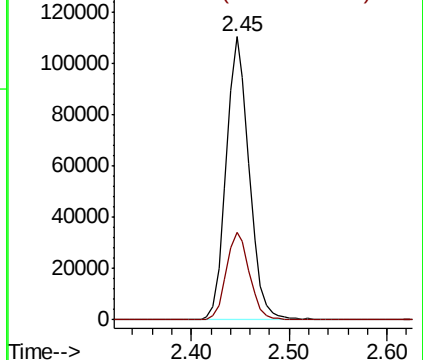
43 100

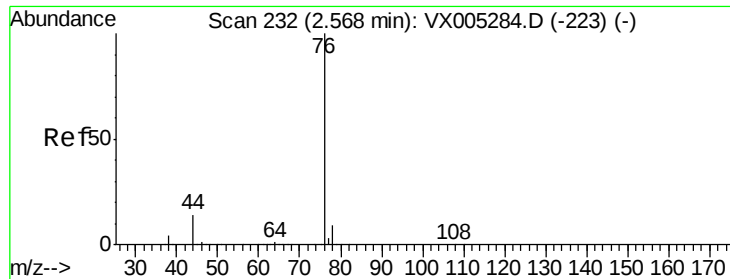
58 30.9 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

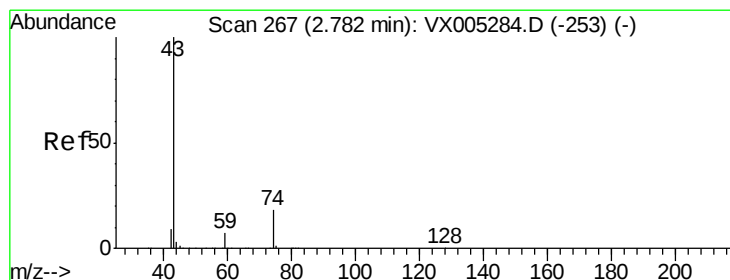
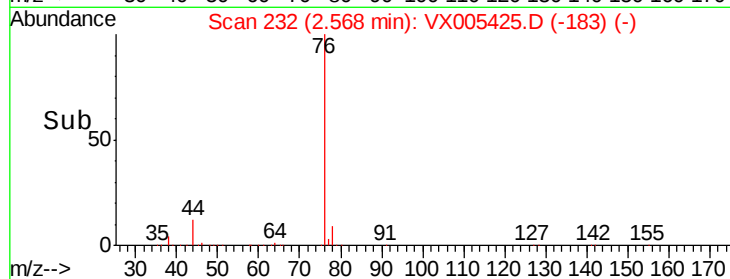
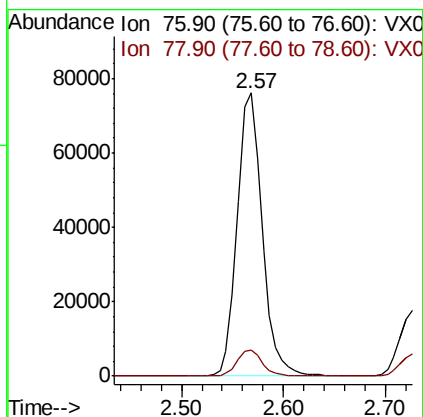
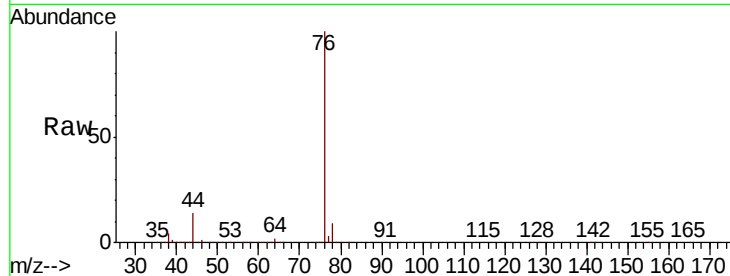




#17
Carbon Disulfide
Concen: 16.518 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

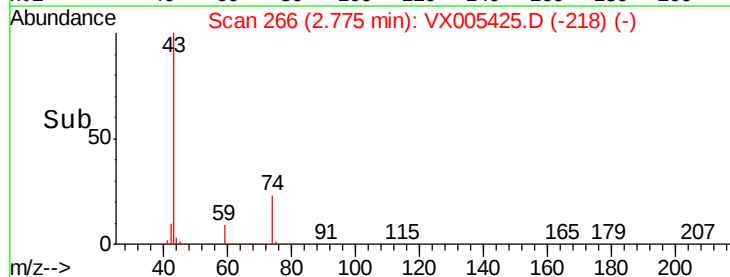
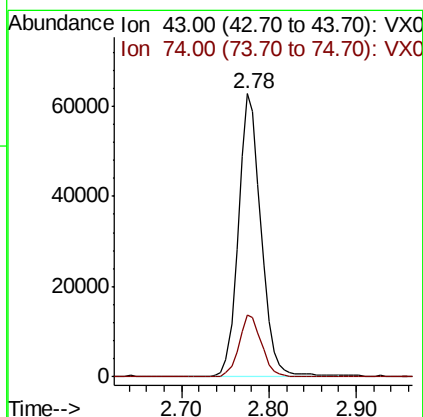
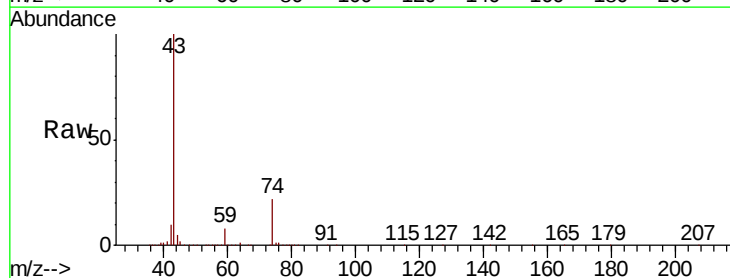
Instrument :
MSVOA_X
ClientSampleId :
VX1018WBS01

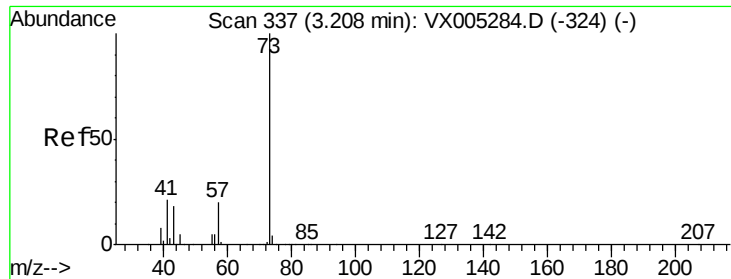
Tot Ion: 76 Resp: 129114
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.6



#18
Methyl Acetate
Concen: 20.933 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Tgt Ion: 43 Resp: 112586
Ion Ratio Lower Upper
43 100
74 21.5 19.4 29.2



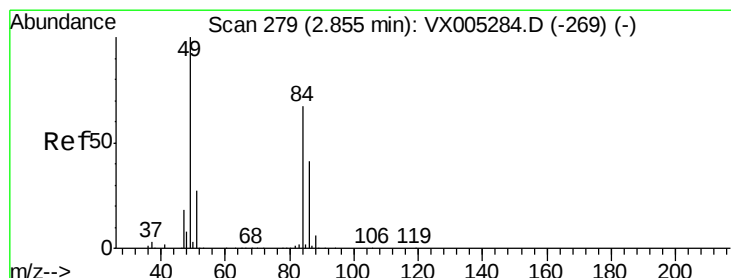
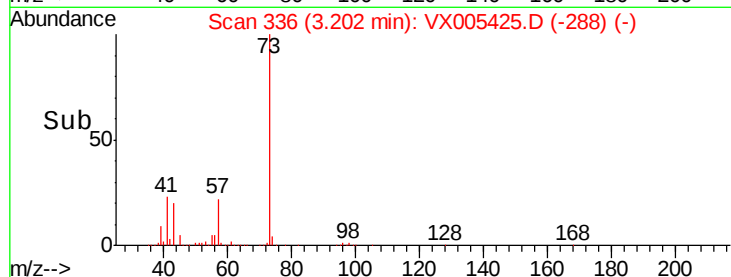
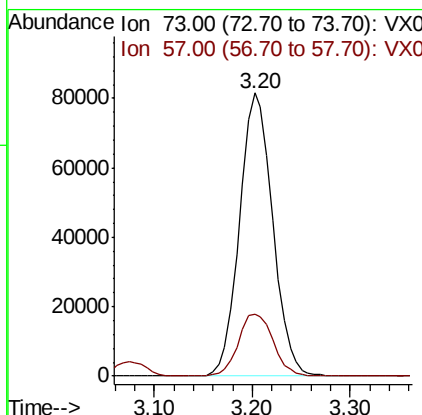
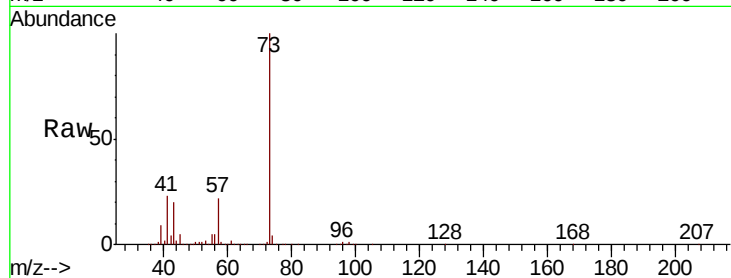


#19

Methyl tert-butyl Ether
 Concen: 21.124 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.01 min
 Lab File: VX005425.D
 Acq: 18 Oct 2018 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018WBS01

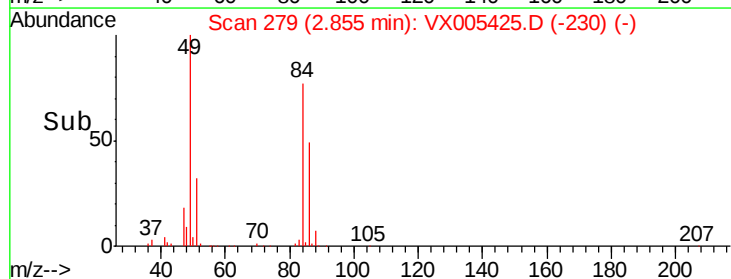
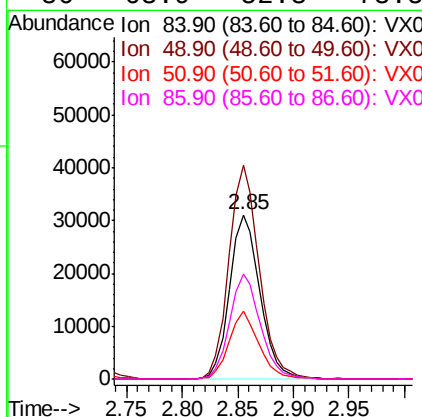
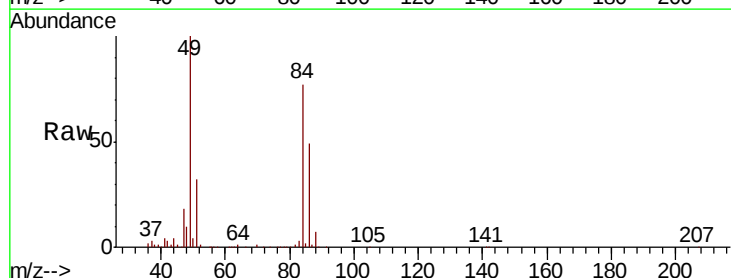
Tot Ion: 73 Resp: 191963
 Ion Ratio Lower Upper
 73 100
 57 21.6 17.1 25.7



#20

Methylene Chloride
 Concen: 20.570 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX005425.D
 Acq: 18 Oct 2018 13:03

Tgt Ion: 84 Resp: 58783
 Ion Ratio Lower Upper
 84 100
 49 130.3 101.2 151.8
 51 40.7 29.5 44.3
 86 63.9 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 18.925 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampled :

VX1018WBS01

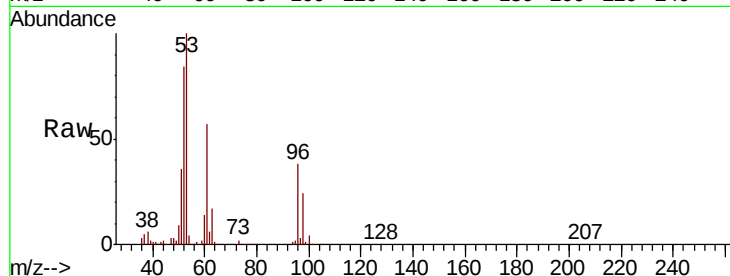
Tot Ion: 96 Resp: 54116

Ion Ratio Lower Upper

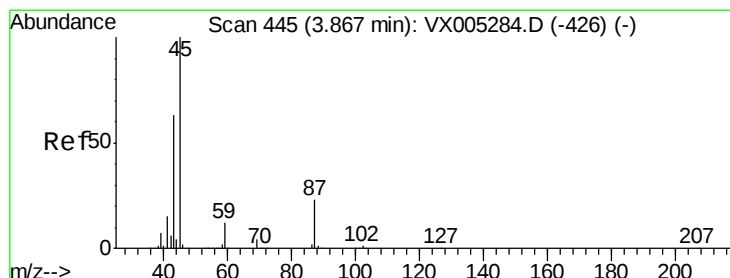
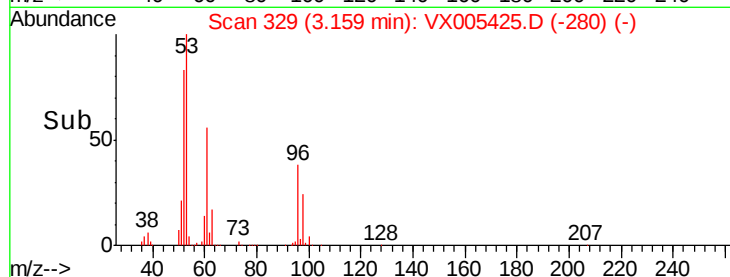
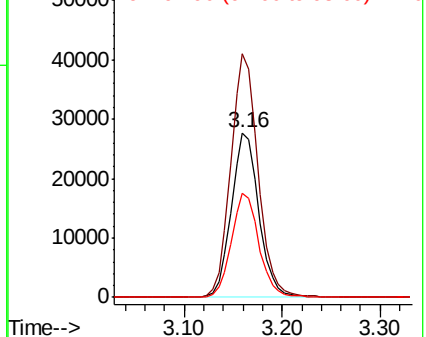
96 100

61 147.6 113.8 170.6

98 63.3 51.8 77.8



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: 19.835 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Tgt Ion: 45 Resp: 188726

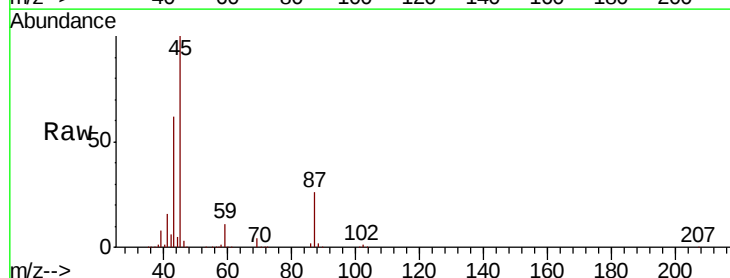
Ion Ratio Lower Upper

45 100

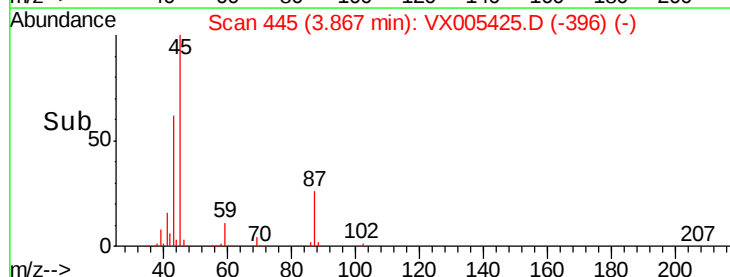
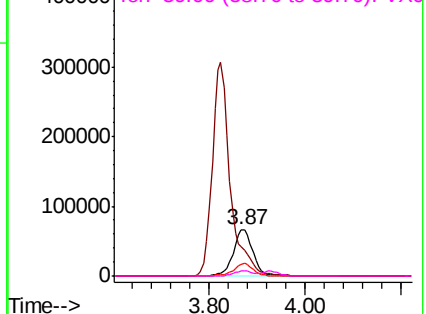
43 62.4 42.8 64.2

87 26.1 22.6 34.0

59 11.4 9.6 14.4



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: 95.825 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

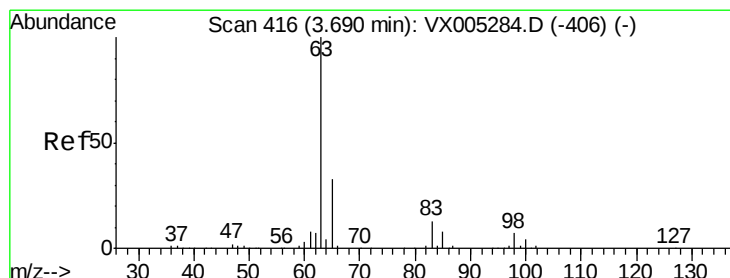
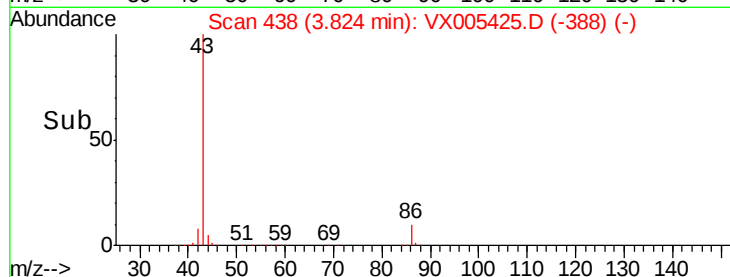
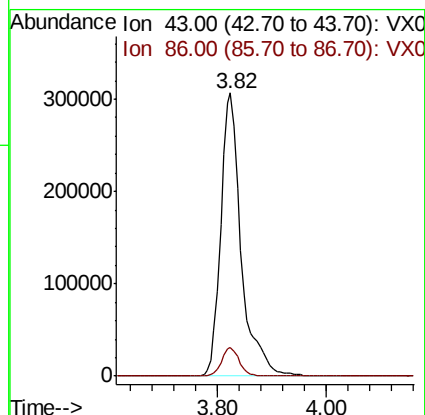
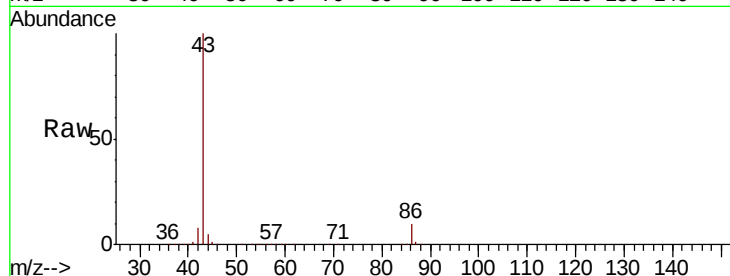
VX1018WBS01

Tot Ion: 43 Resp: 796928

Ion Ratio Lower Upper

43 100

86 9.9 8.9 13.3



#24

1,1-Dichloroethane

Concen: 19.429 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

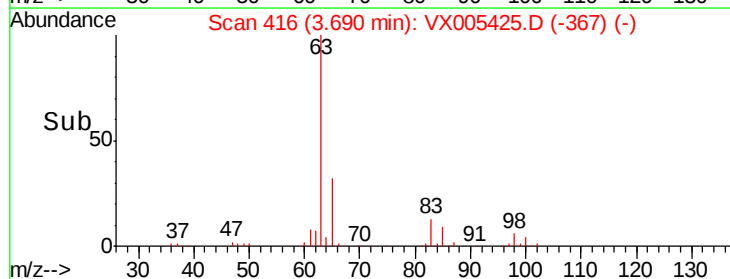
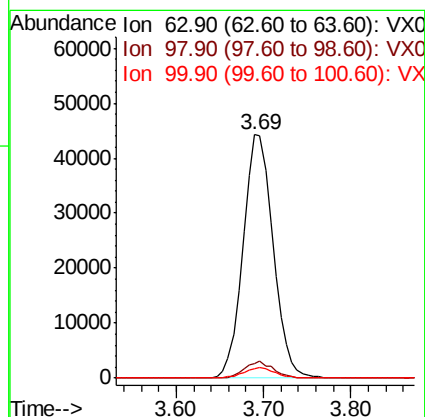
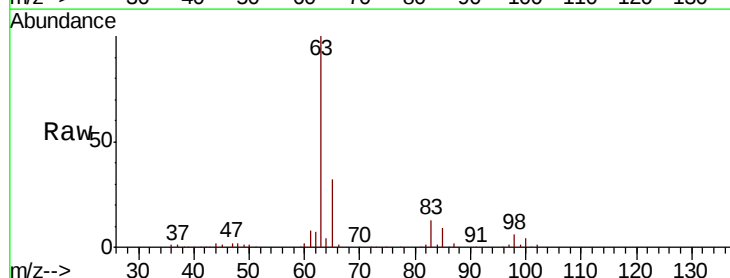
Tgt Ion: 63 Resp: 105950

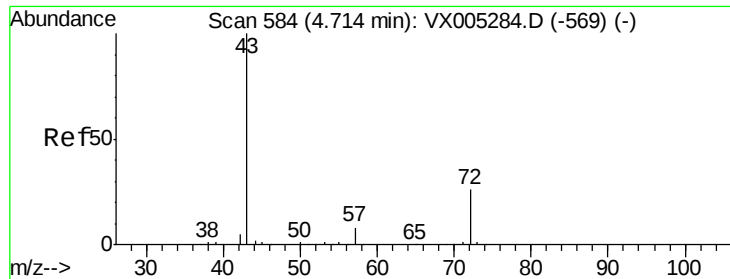
Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.4

100 3.9 2.4 7.1





#25

2-Butanone

Concen: 96.388 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

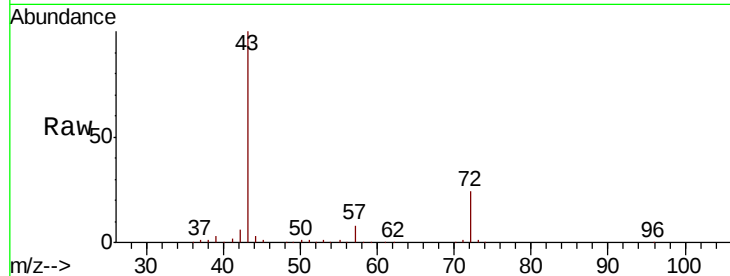
VX1018WBS01

Tot Ion: 43 Resp: 266608

Ion Ratio Lower Upper

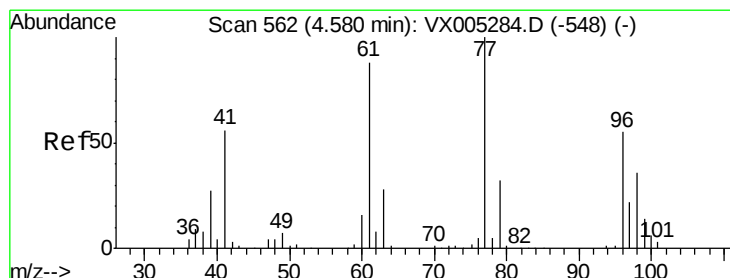
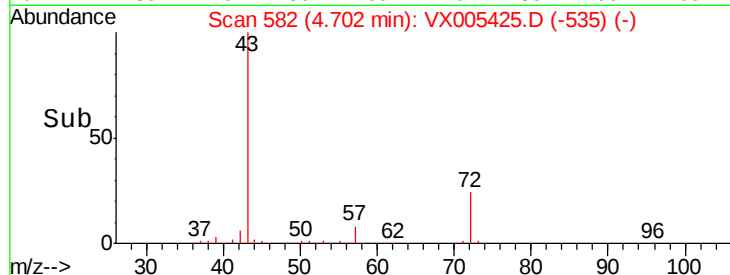
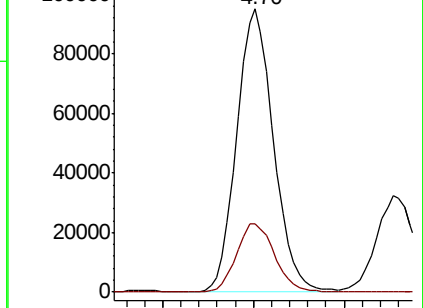
43 100

72 24.3 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 19.464 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005425.D

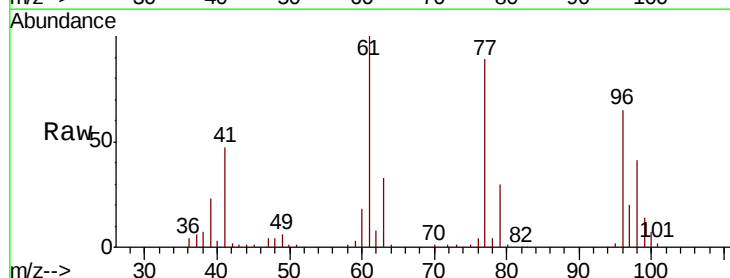
Acq: 18 Oct 2018 13:03

Tgt Ion: 77 Resp: 79382

Ion Ratio Lower Upper

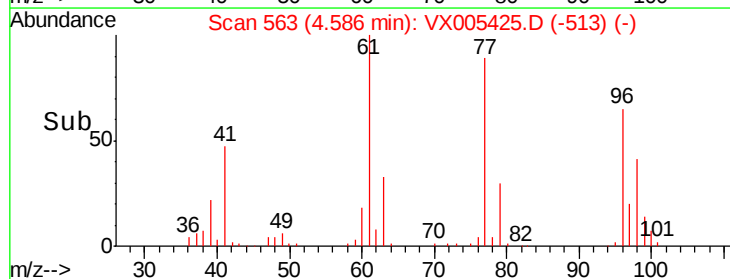
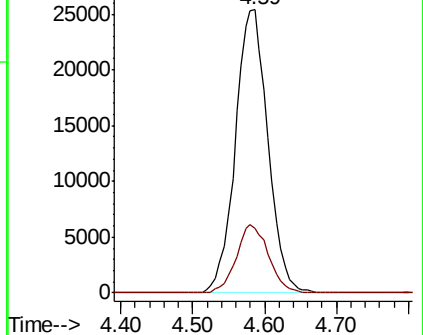
77 100

97 23.8 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



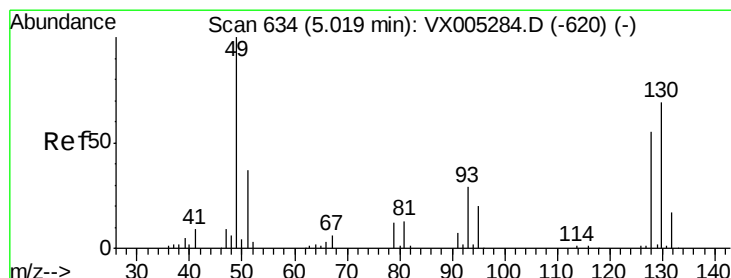
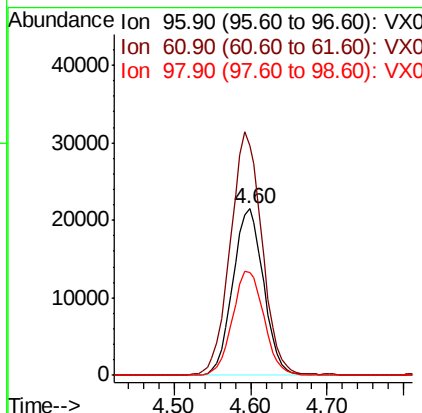
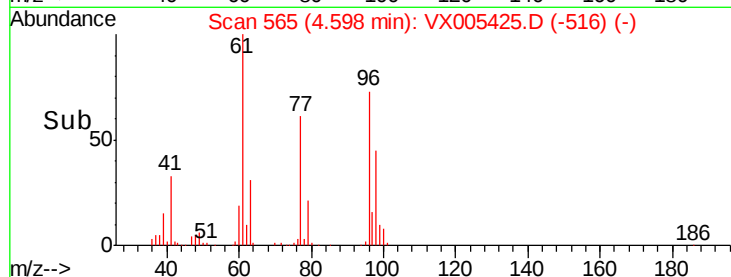
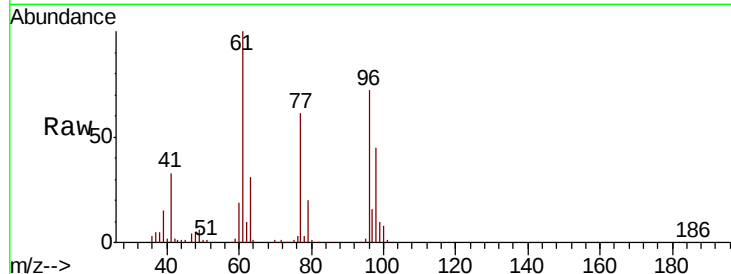


#27

cis-1,2-Dichloroethene
Concen: 19.307 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX1018WBS01

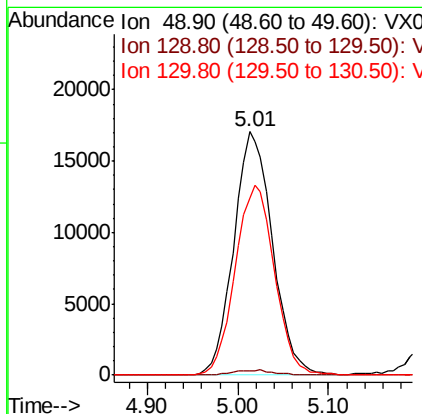
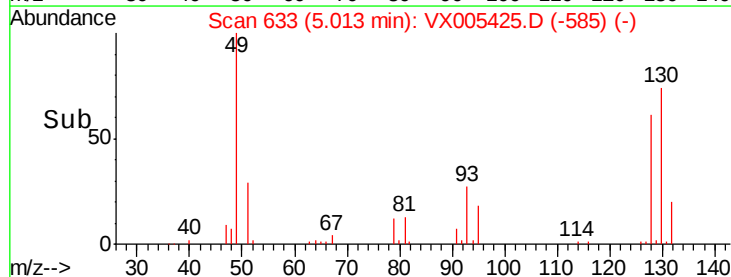
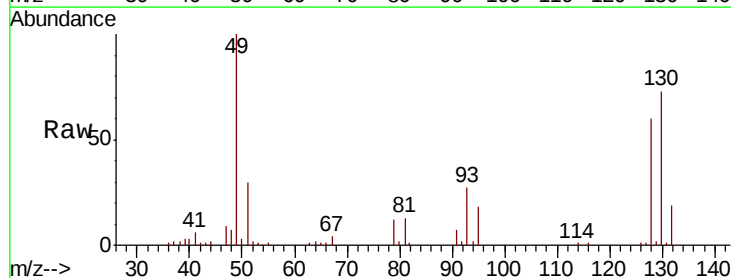
Tot Ion: 96 Resp: 59998
Ion Ratio Lower Upper
96 100
61 149.1 0.0 282.6
98 63.8 0.0 130.2

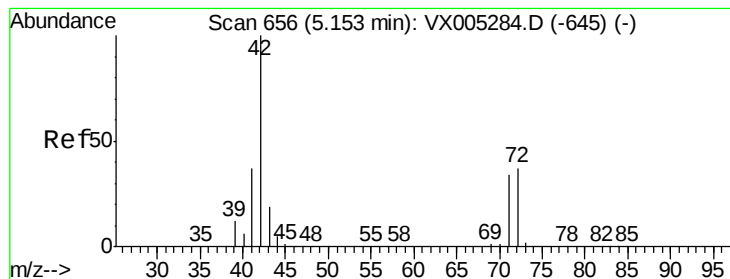


#28

Bromochloromethane
Concen: 20.350 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Tgt Ion: 49 Resp: 50589
Ion Ratio Lower Upper
49 100
129 2.1 0.0 4.2
130 78.9 67.5 101.3





#29

Tetrahydrofuran

Concen: 95.704 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBS01

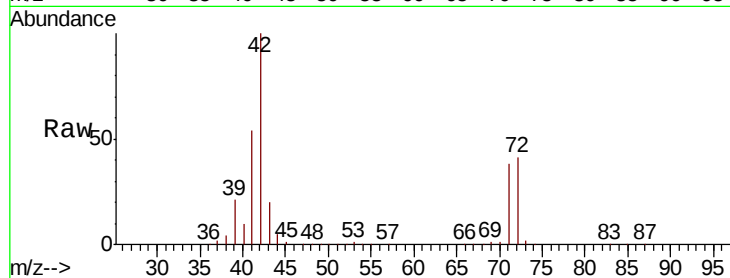
Tot Ion: 42 Resp: 168854

Ion Ratio Lower Upper

42 100

72 42.5 37.4 56.0

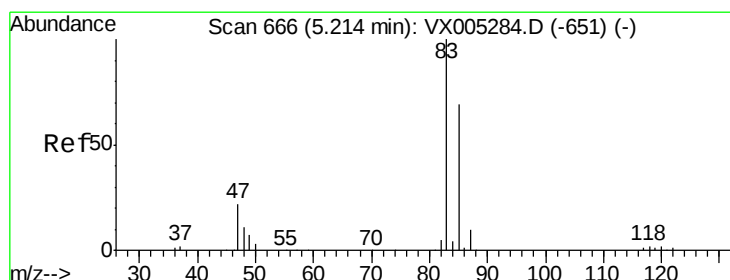
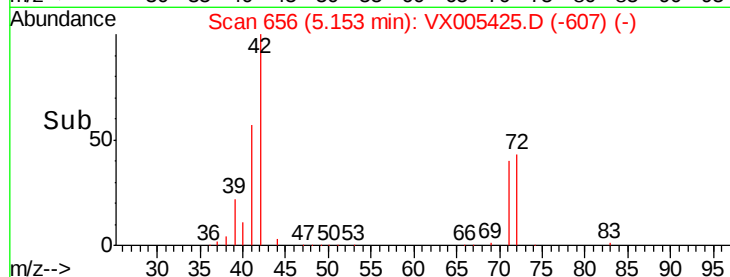
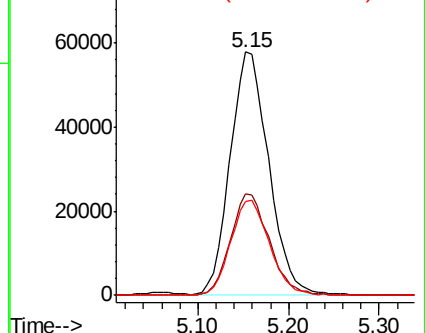
71 39.9 34.5 51.7



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 19.459 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX005425.D

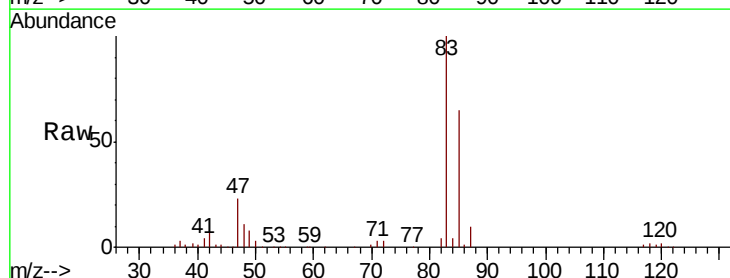
Acq: 18 Oct 2018 13:03

Tgt Ion: 83 Resp: 98493

Ion Ratio Lower Upper

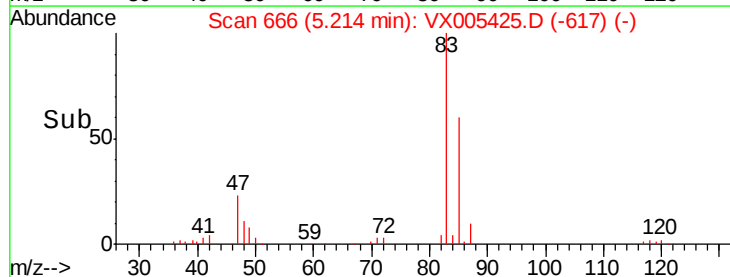
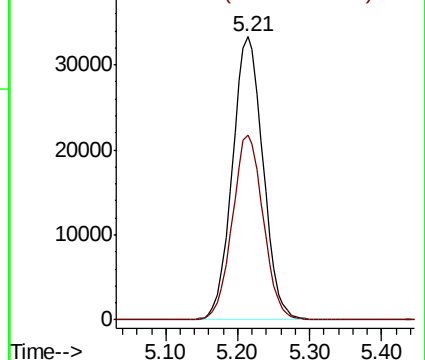
83 100

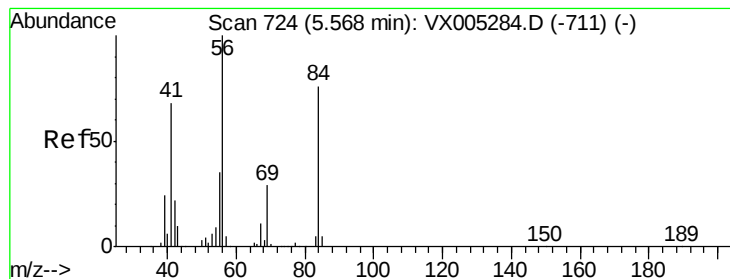
85 65.1 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cvclohexane

Concen: 19.424 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.01 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBS01

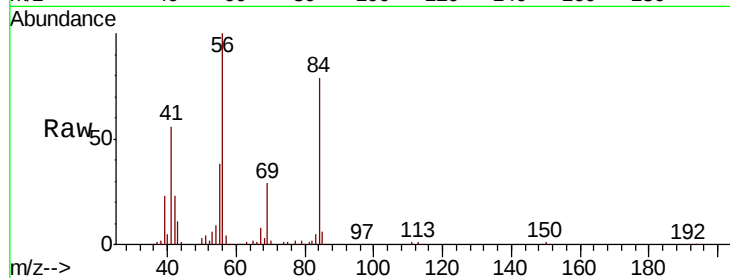
Tot Ion: 56 Resp: 87301

Ion Ratio Lower Upper

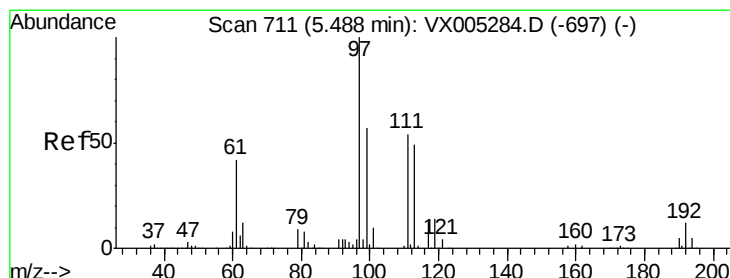
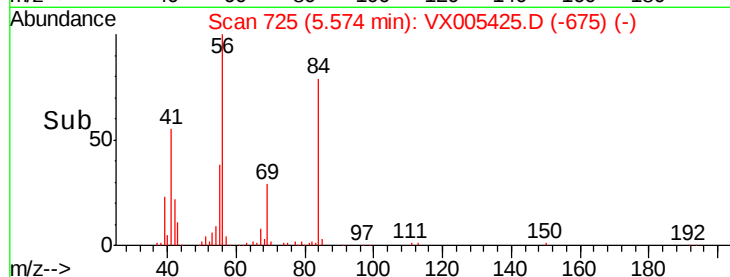
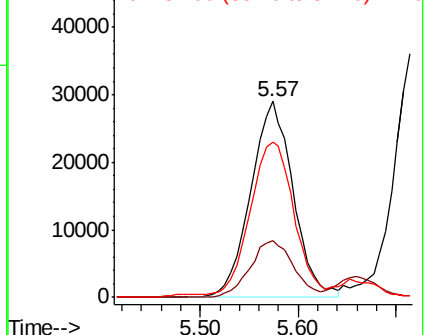
56 100

69 29.2 25.4 38.2

84 77.6 71.4 107.2



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 19.133 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

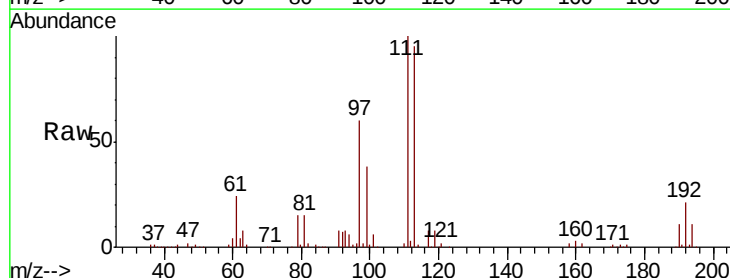
Tgt Ion: 97 Resp: 84267

Ion Ratio Lower Upper

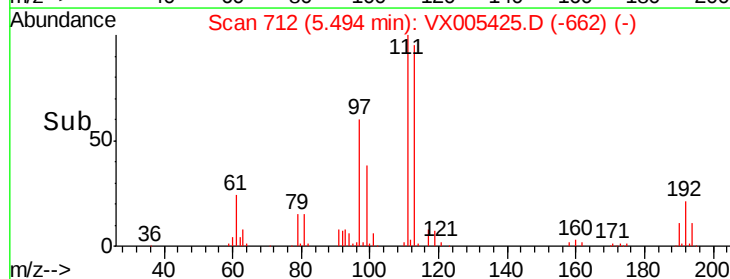
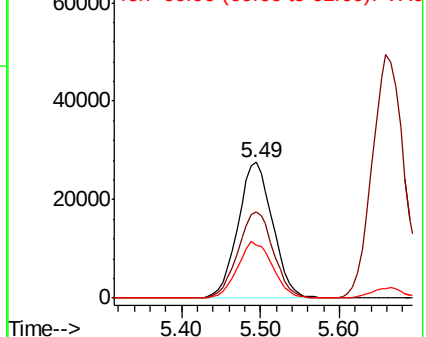
97 100

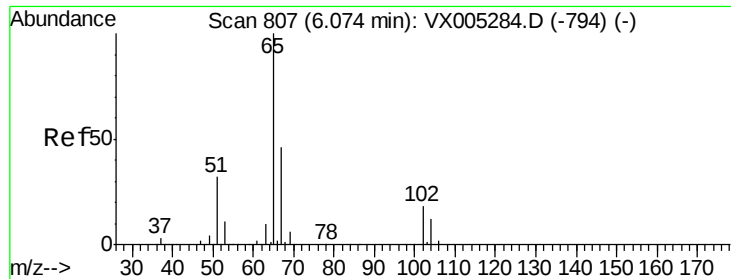
99 65.0 52.0 78.0

61 42.1 34.9 52.3



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.354 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

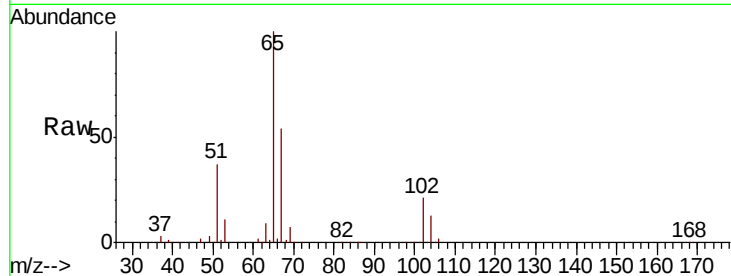
VX1018WBS01

Tot Ion: 65 Resp: 158100

Ion Ratio Lower Upper

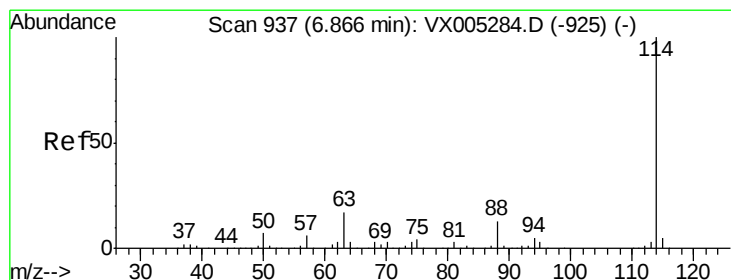
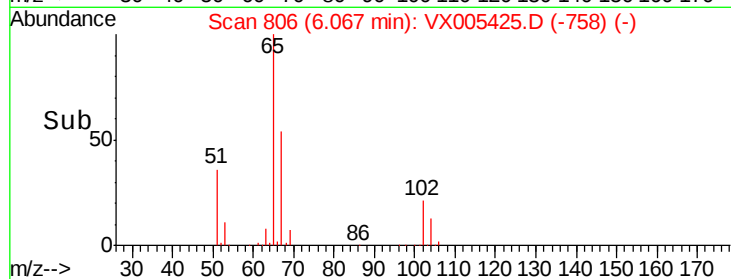
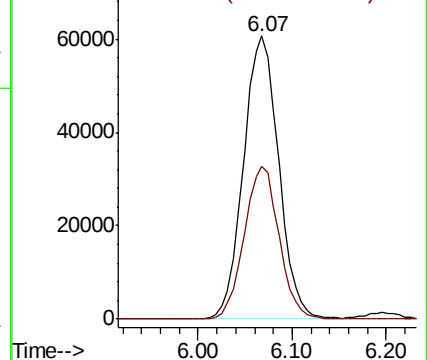
65 100

67 53.3 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.01 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

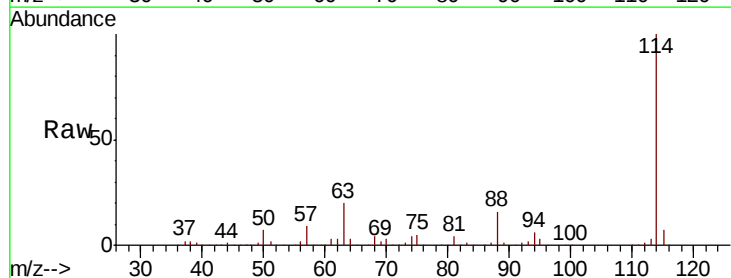
Tgt Ion: 114 Resp: 427419

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.0

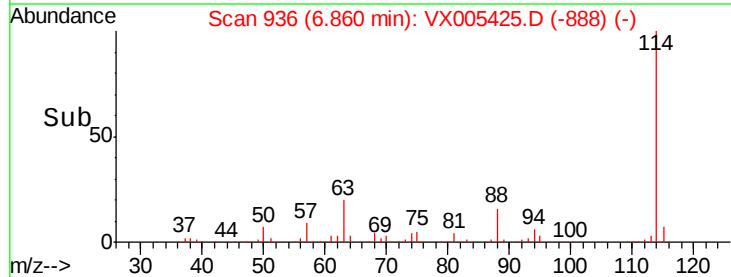
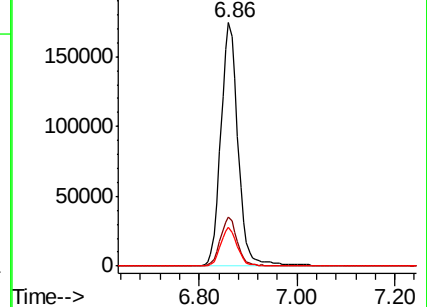
88 15.9 0.0 30.4

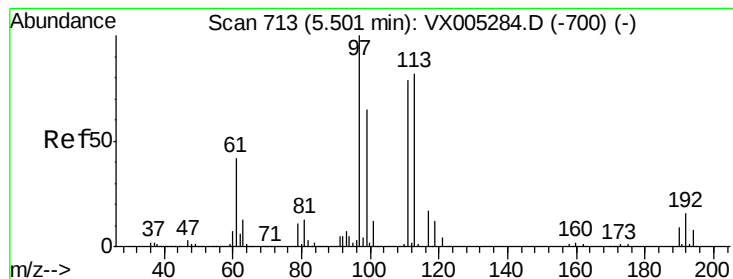


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.933 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBS01

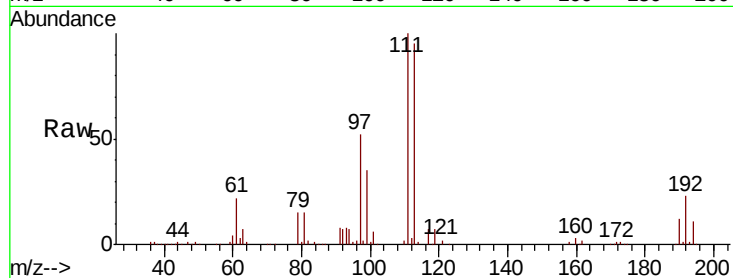
Tot Ion:113 Resp: 132862

Ion Ratio Lower Upper

113 100

111 102.2 82.4 123.6

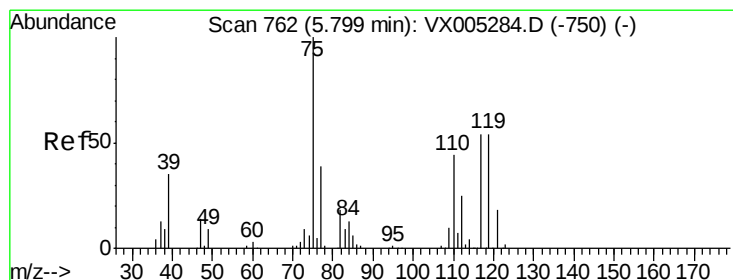
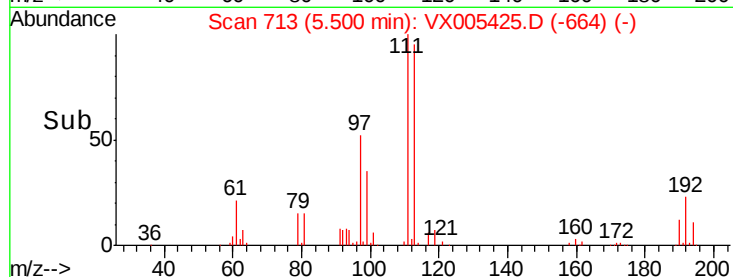
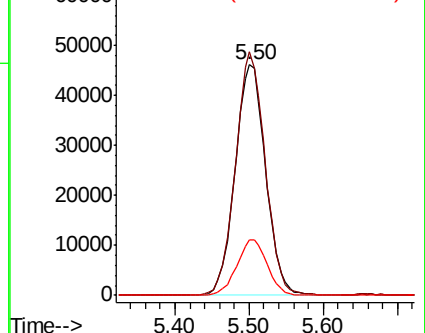
192 23.8 19.4 29.2



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: 17.302 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

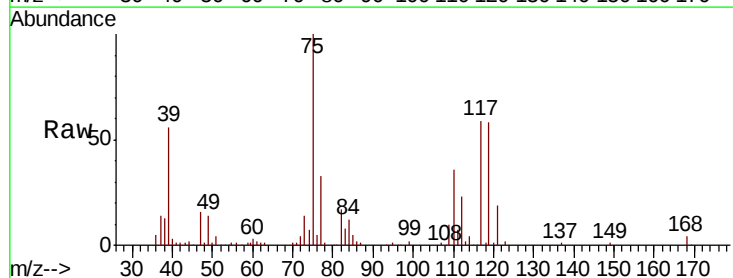
Tgt Ion: 75 Resp: 71620

Ion Ratio Lower Upper

75 100

110 36.9 18.0 54.0

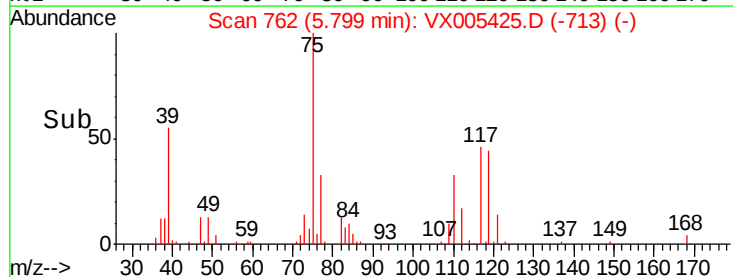
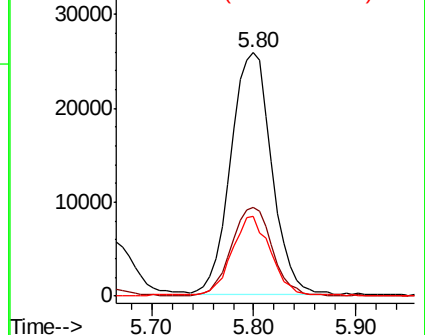
77 30.5 24.6 36.8

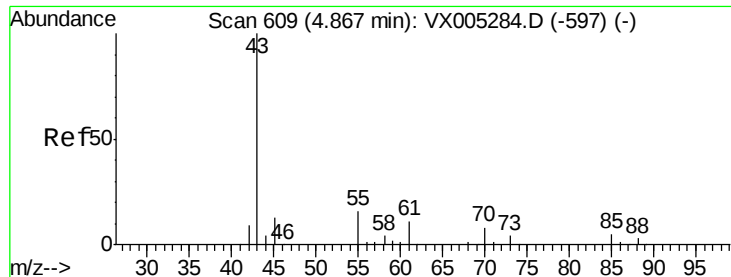


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

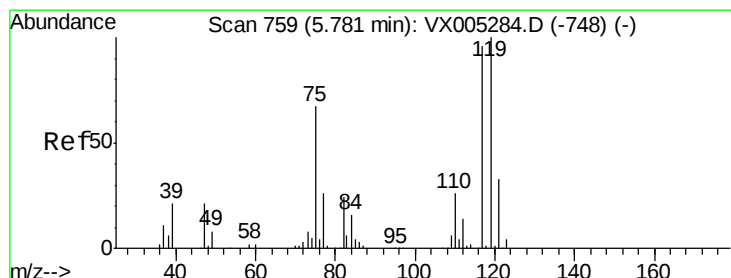
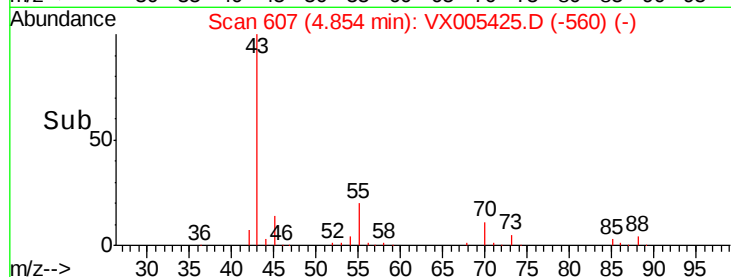
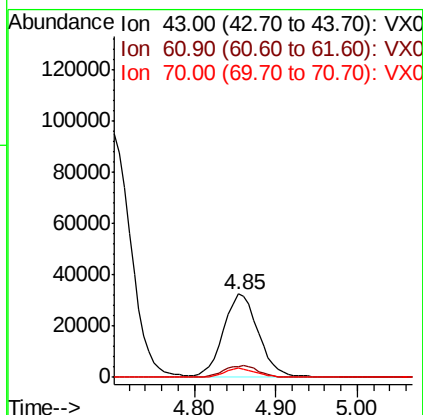
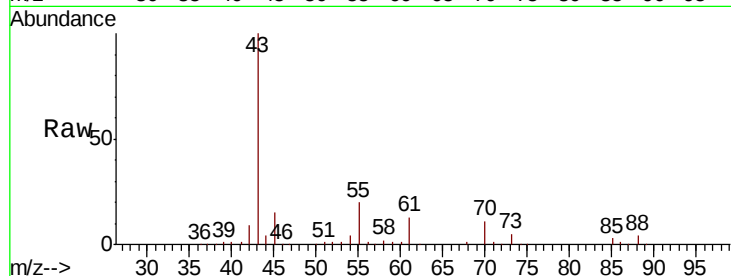




#37
Ethyl Acetate
Concen: 18.044 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

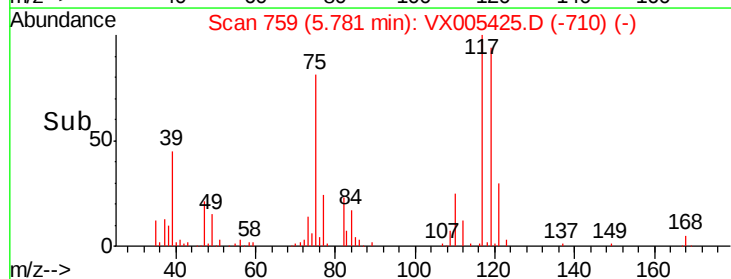
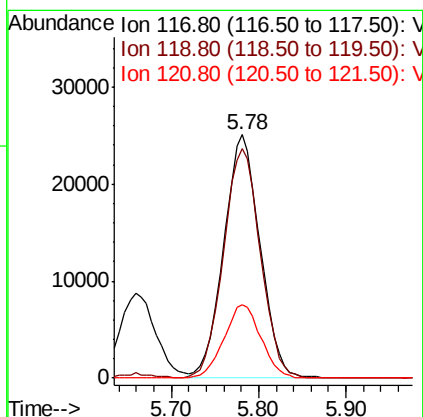
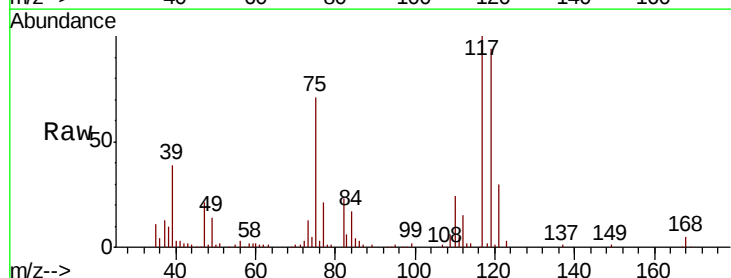
Instrument :
MSVOA_X
ClientSampleId :
VX1018WBS01

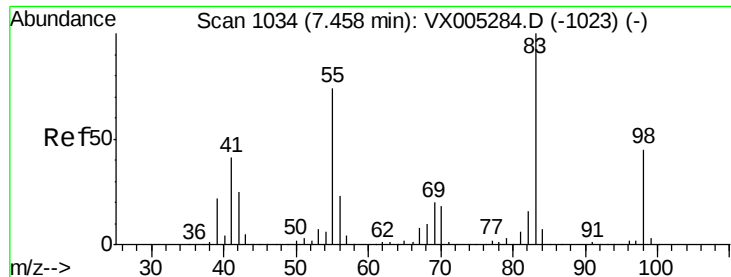
Tot Ion: 43 Resp: 96058
Ion Ratio Lower Upper
43 100
61 14.4 11.5 17.3
70 10.4 9.0 13.6



#38
Carbon Tetrachloride
Concen: 17.384 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Tgt Ion: 117 Resp: 72306
Ion Ratio Lower Upper
117 100
119 94.1 78.8 118.2
121 30.3 24.9 37.3

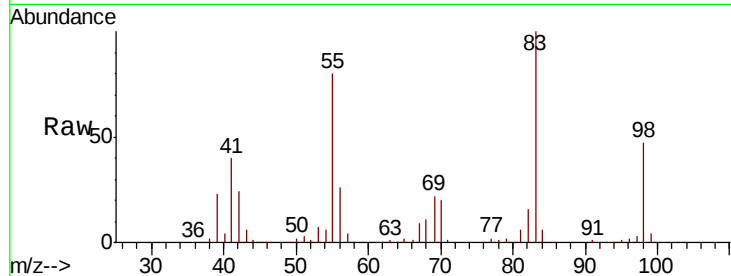




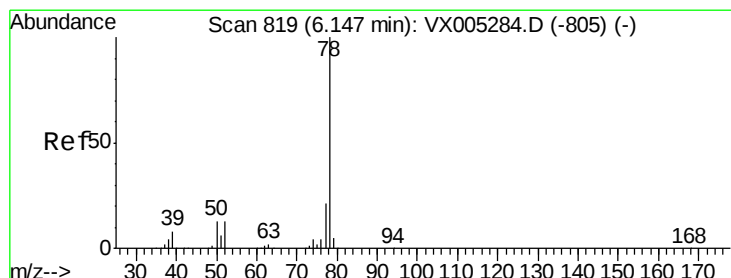
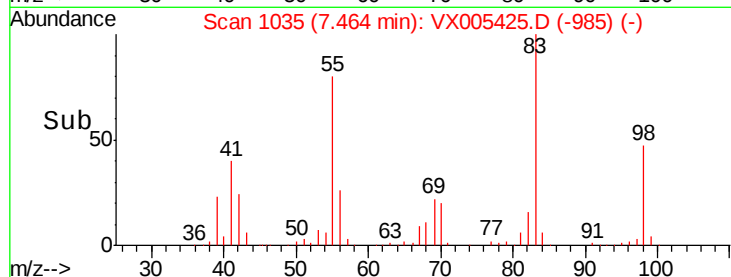
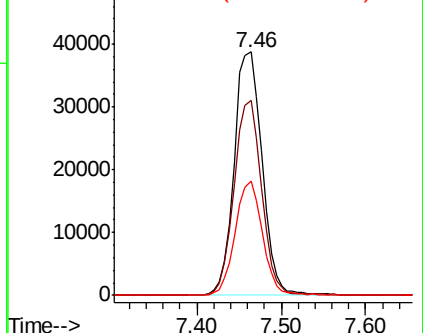
#39
Methvlcvclohexane
Concen: 19.327 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Instrument :
MSVOA_X
ClientSampled :
VX1018WBS01

Tot Ion: 83 Resp: 86589
Ion Ratio Lower Upper
83 100
55 79.9 61.0 91.4
98 46.7 39.6 59.4

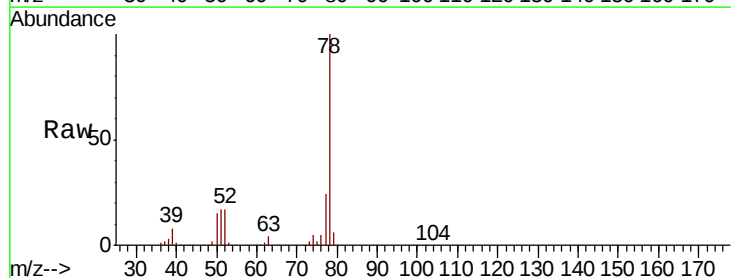


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

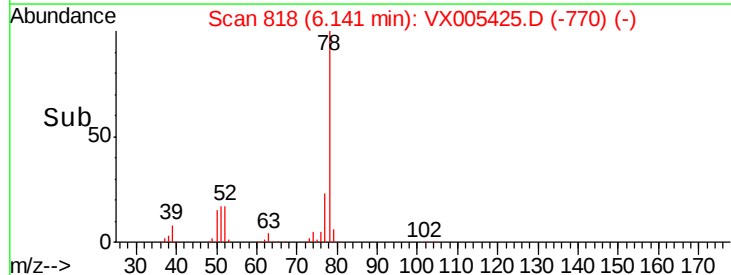
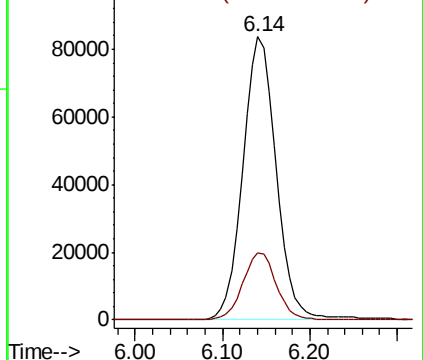


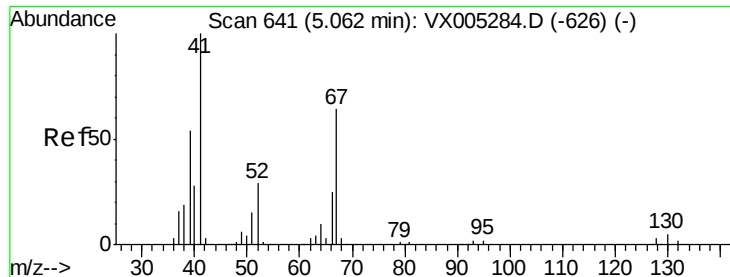
#40
Benzene
Concen: 17.780 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Tgt Ion: 78 Resp: 220784
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

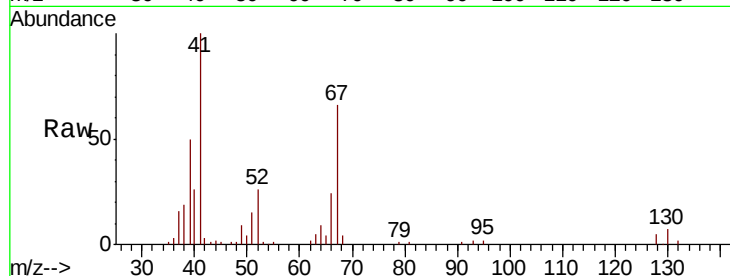




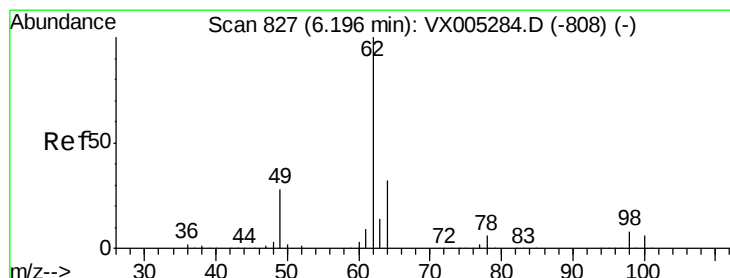
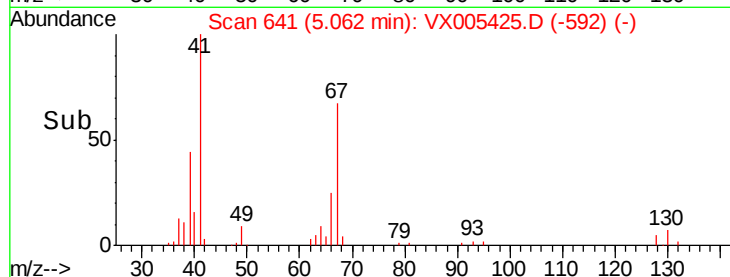
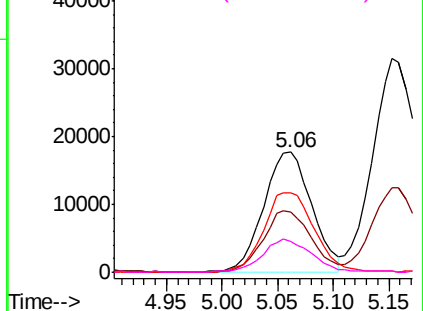
#41
Methacrylonitrile
Concen: 18.551 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Instrument :
MSVOA_X
ClientSampleID :
VX1018WBS01

Tot Ion:	41	Resp:	52943
Ion	Ratio	Lower	Upper
41	100		
39	52.5	42.4	63.6
67	70.5	59.2	88.8
52	28.5	23.0	34.4

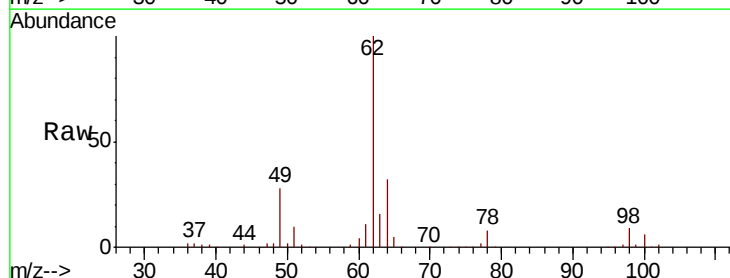


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

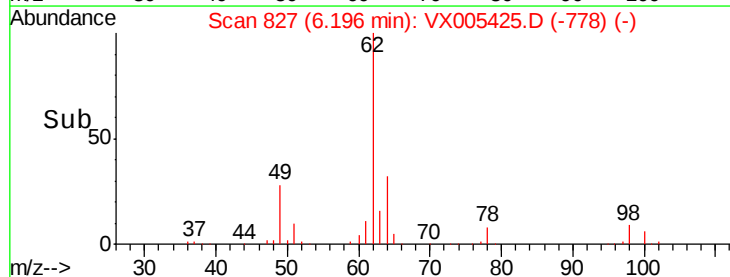
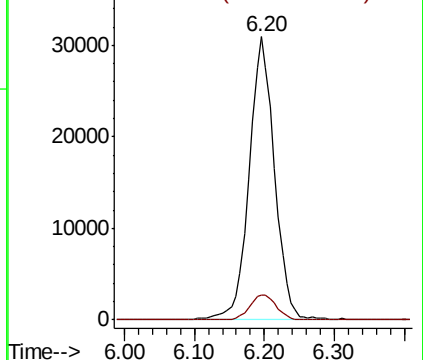


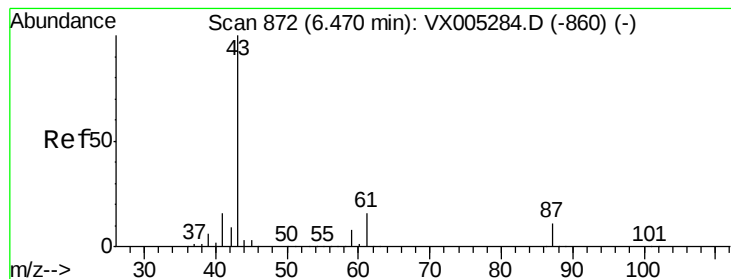
#42
1,2-Dichloroethane
Concen: 17.722 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Tgt Ion:	62	Resp:	77707
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	20.6



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



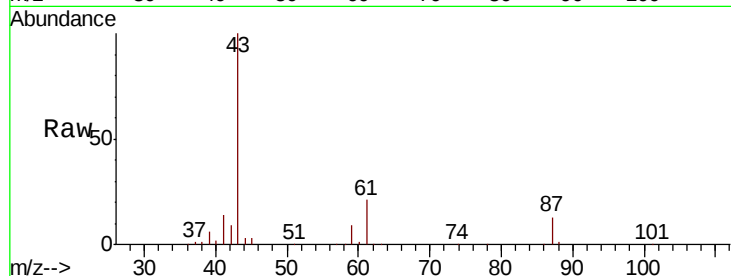


#43

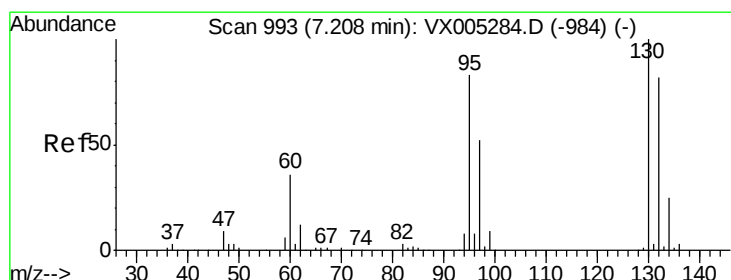
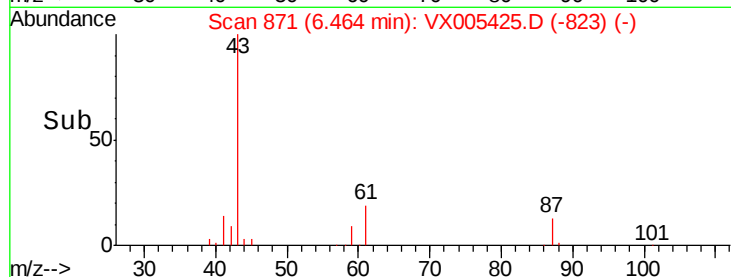
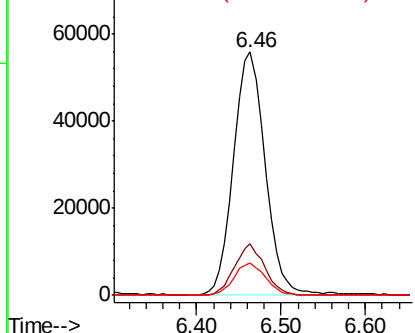
Isopropyl Acetate
 Concen: 20.020 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. -0.01 min
 Lab File: VX005425.D
 Acq: 18 Oct 2018 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018WBS01

Tot Ion: 43 Resp: 141971
 Ion Ratio Lower Upper
 43 100
 61 20.2 17.0 25.4
 87 13.4 11.4 17.2



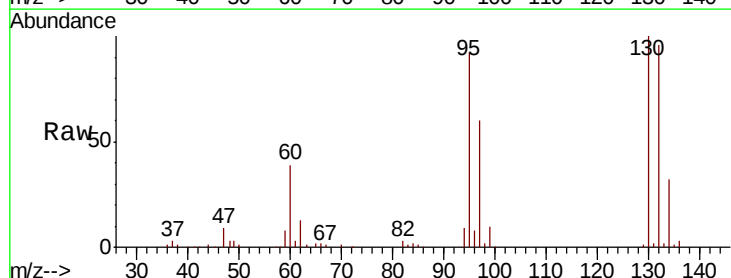
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



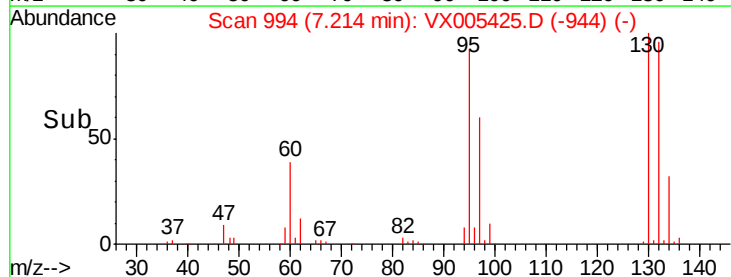
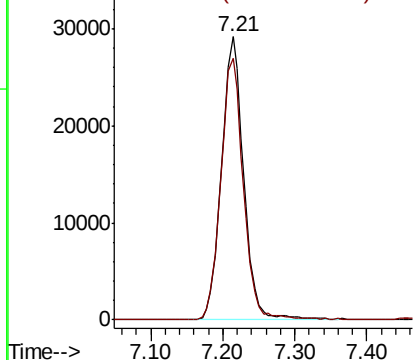
#44

Trichloroethene
 Concen: 19.346 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX005425.D
 Acq: 18 Oct 2018 13:03

Tgt Ion: 130 Resp: 62551
 Ion Ratio Lower Upper
 130 100
 95 92.5 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 19.938 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampled :

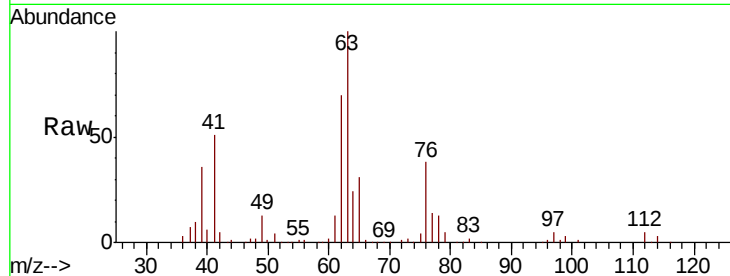
VX1018WBS01

Tot Ion: 63 Resp: 60732

Ion Ratio Lower Upper

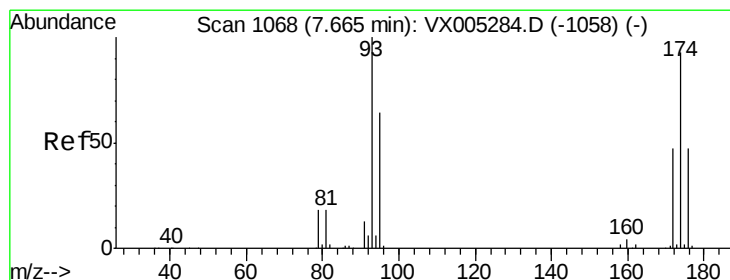
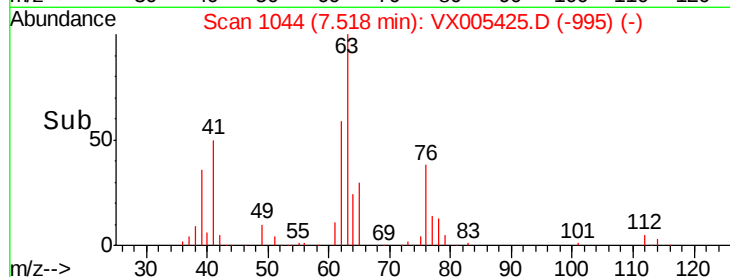
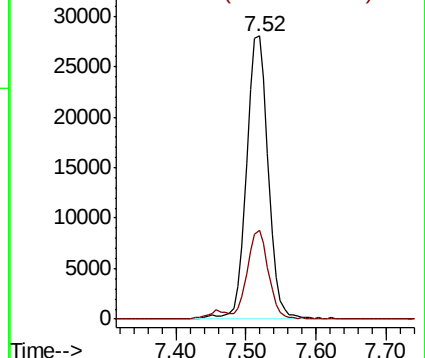
63 100

65 31.4 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 18.721 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

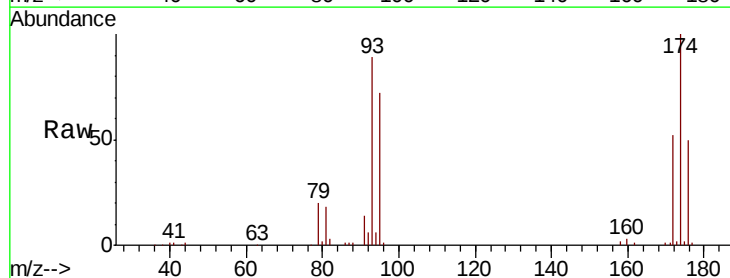
Tgt Ion: 93 Resp: 37638

Ion Ratio Lower Upper

93 100

95 84.9 65.5 98.3

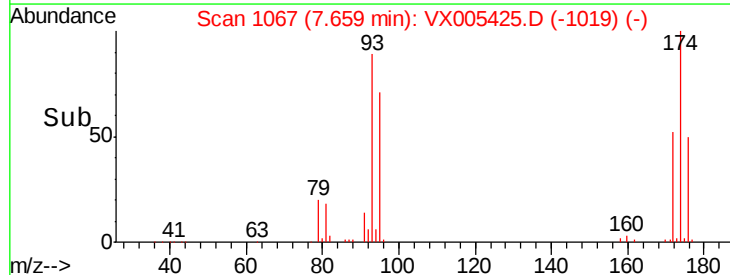
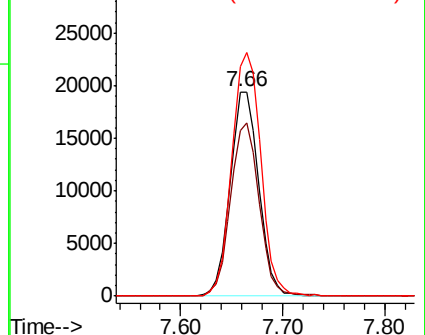
174 120.6 94.2 141.4

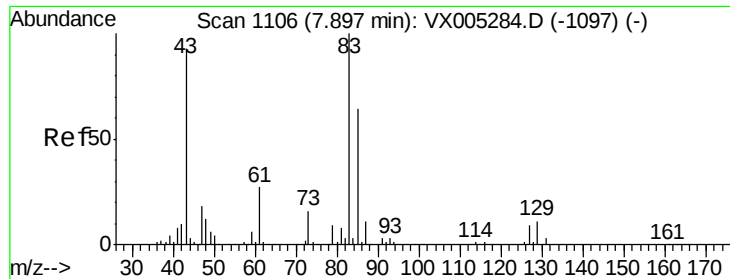


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.885 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBS01

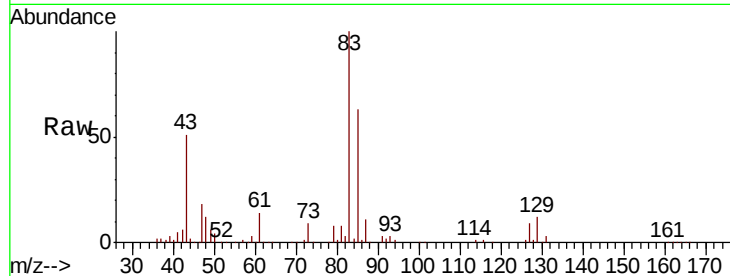
Tot Ion: 83 Resp: 70226

Ion Ratio Lower Upper

83 100

85 63.1 50.9 76.3

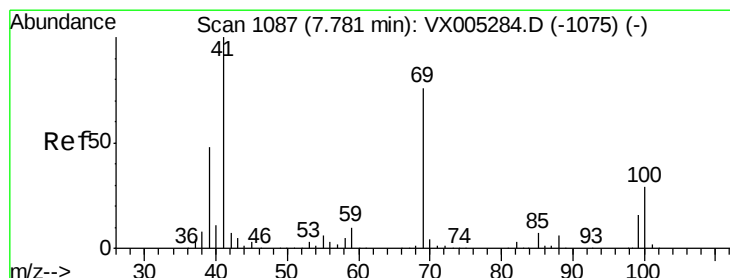
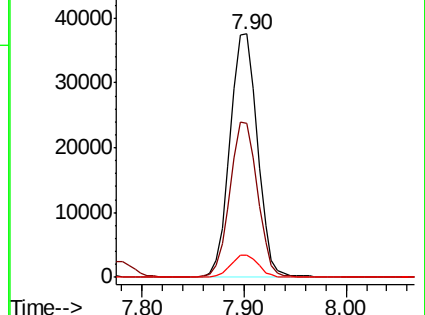
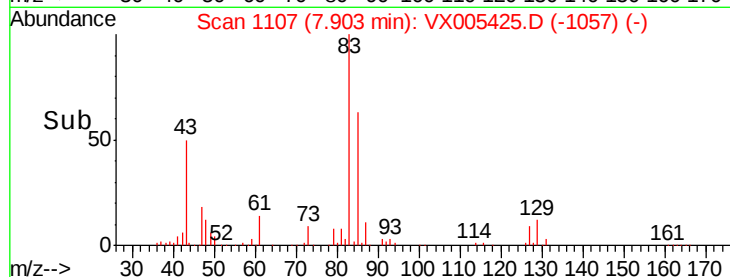
127 8.9 7.3 10.9



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: 19.824 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

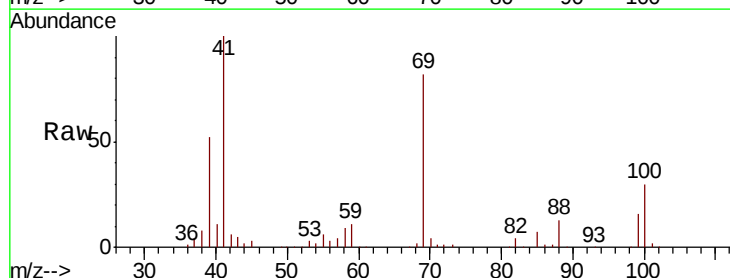
Tgt Ion: 41 Resp: 72912

Ion Ratio Lower Upper

41 100

69 83.0 70.2 105.4

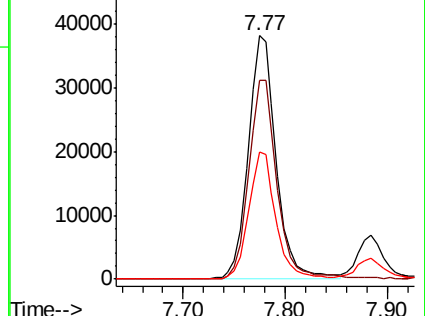
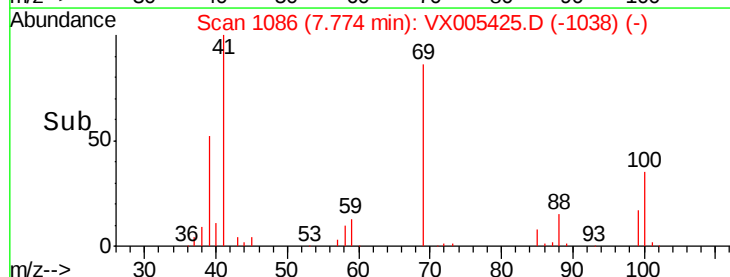
39 50.2 42.7 64.1

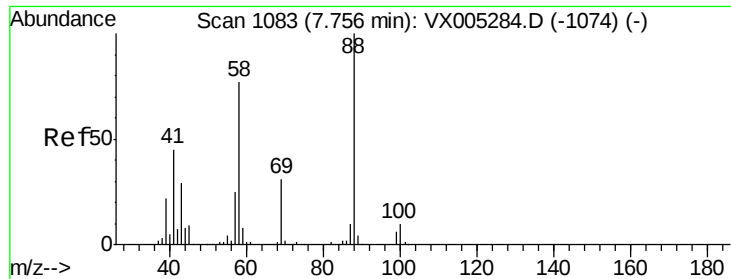


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

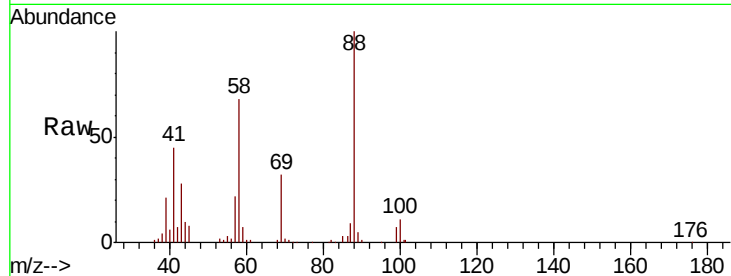




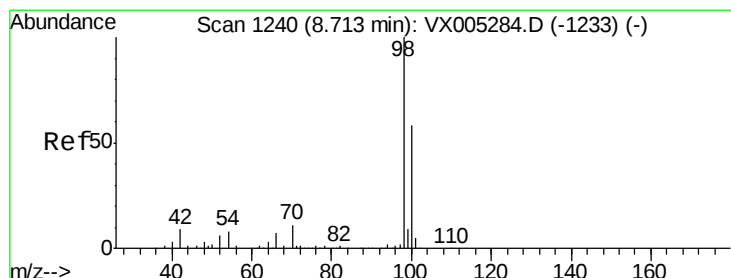
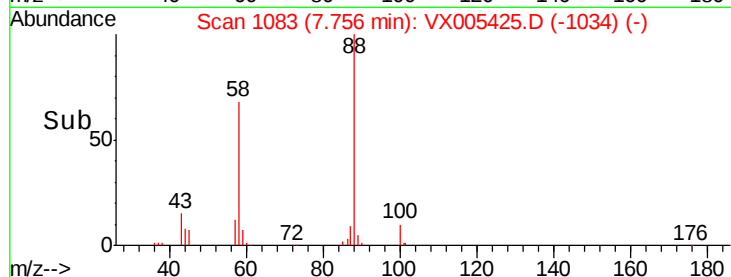
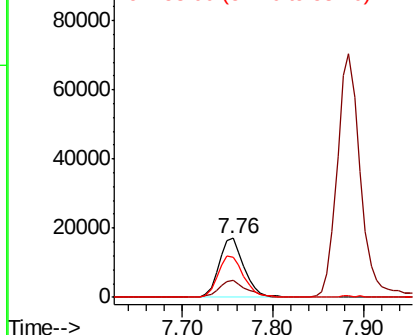
#49
1,4-Dioxane
Concen: 391.527 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX1018WBS01

Tot Ion: 88 Resp: 33214
Ion Ratio Lower Upper
88 100
43 31.8 24.7 37.1
58 71.8 55.3 82.9

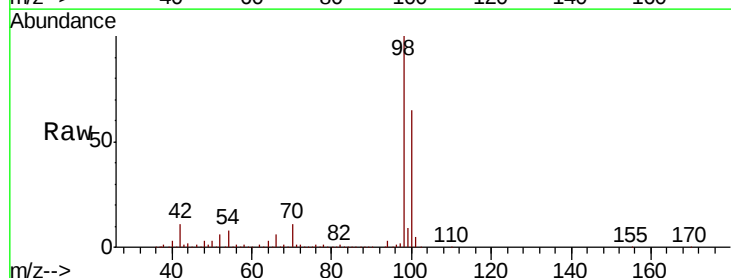


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

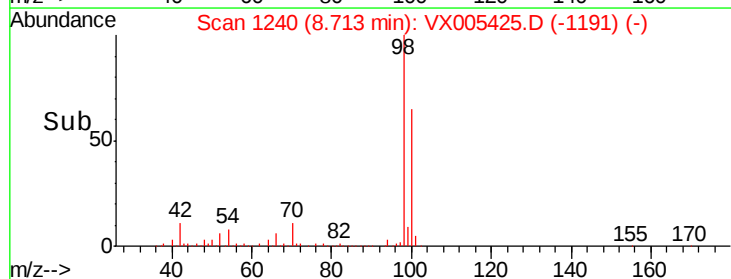
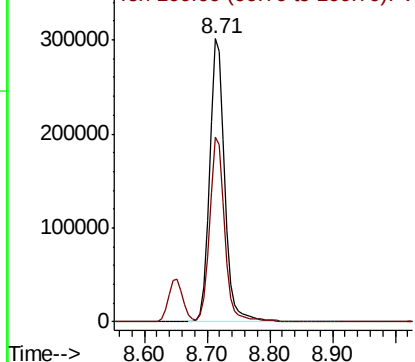


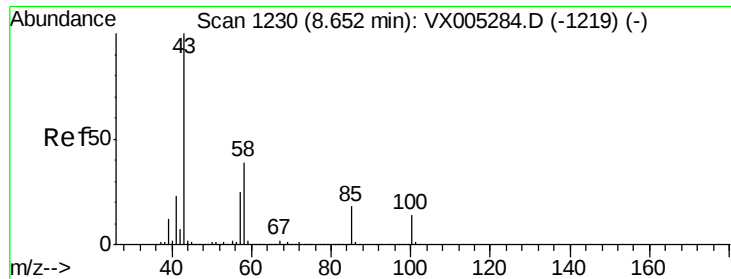
#50
Toluene-d8
Concen: 51.388 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Tgt Ion: 98 Resp: 499428
Ion Ratio Lower Upper
98 100
100 65.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 102.078 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampled :

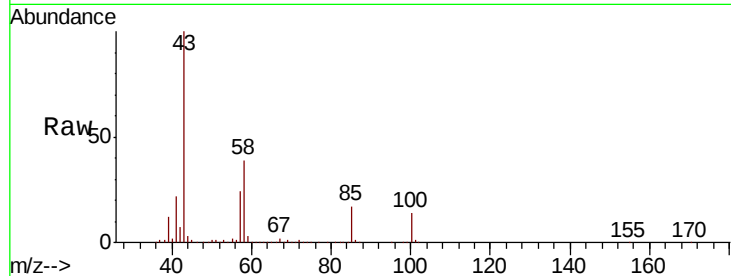
VX1018WBS01

Tot Ion: 43 Resp: 501228

Ion Ratio Lower Upper

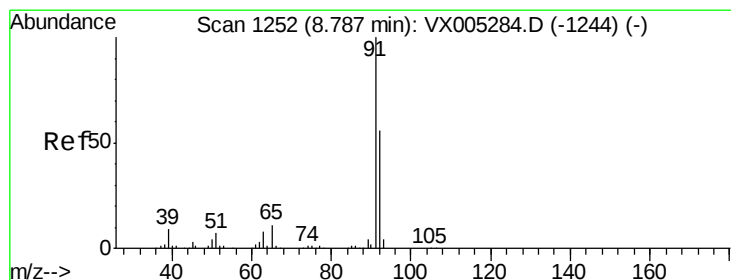
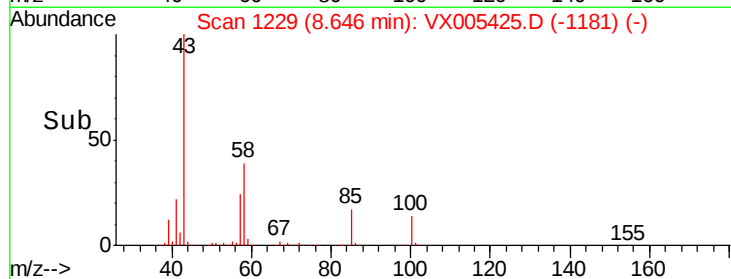
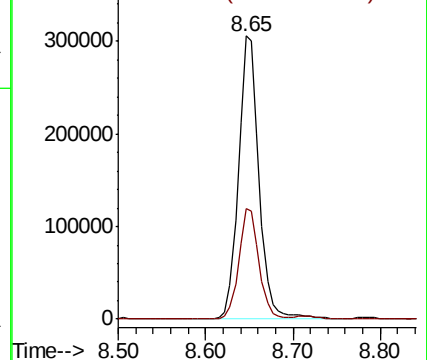
43 100

58 38.4 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.680 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005425.D

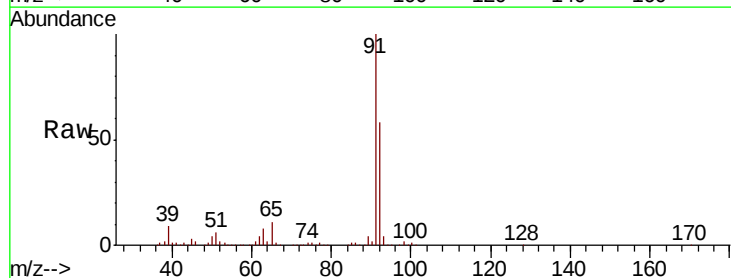
Acq: 18 Oct 2018 13:03

Tgt Ion: 92 Resp: 140492

Ion Ratio Lower Upper

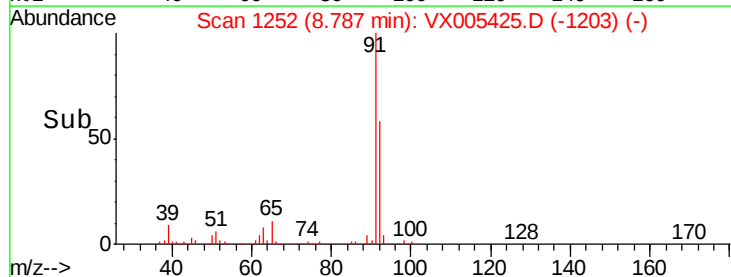
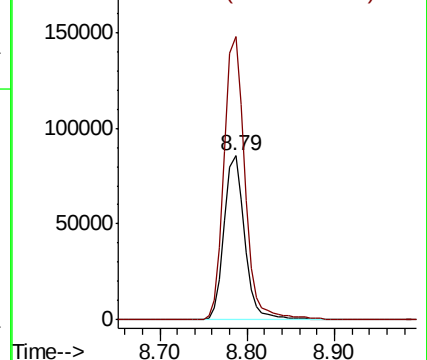
92 100

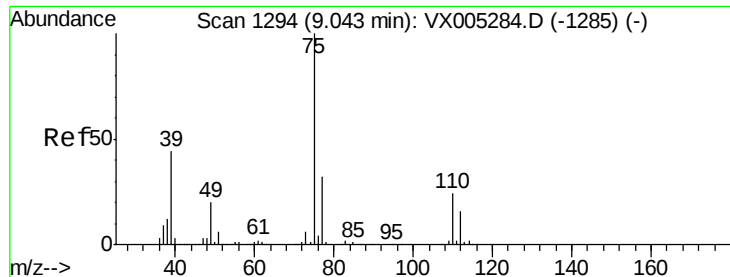
91 174.8 136.4 204.6



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: 19.714 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

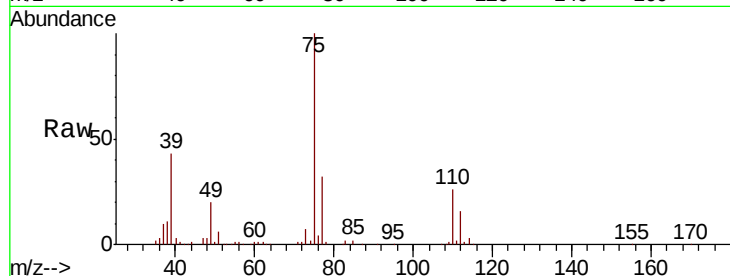
VX1018WBS01

Tot Ion: 75 Resp: 79336

Ion Ratio Lower Upper

75 100

77 32.1 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

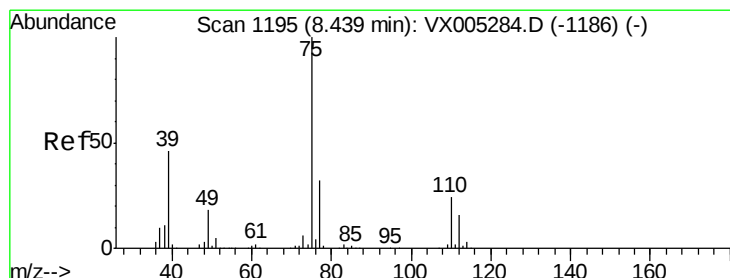
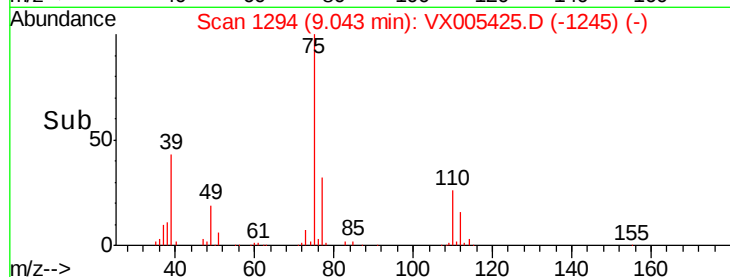
60000

40000

20000

0

Time--> 8.95 9.00 9.05 9.10



#54

cis-1,3-Dichloropropene

Concen: 20.516 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.01 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

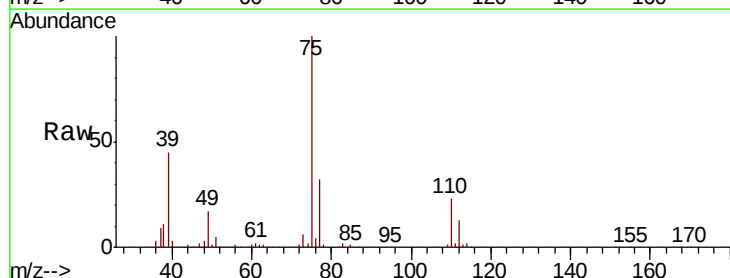
Tgt Ion: 75 Resp: 89463

Ion Ratio Lower Upper

75 100

77 31.8 26.2 39.2

39 45.0 36.4 54.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

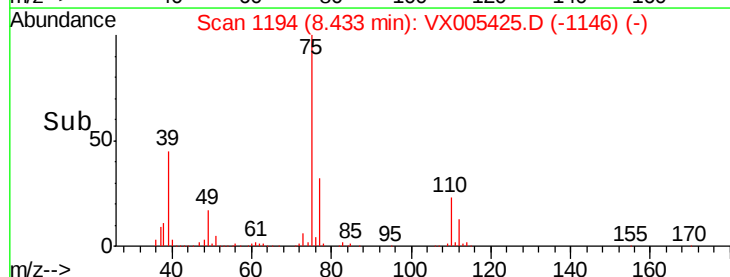
60000

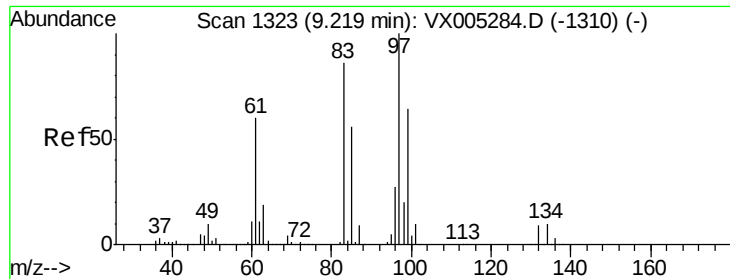
40000

20000

0

Time--> 8.40 8.50 8.60

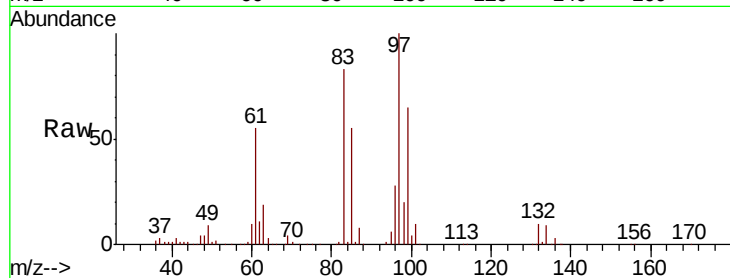




#55
 1,1,2-Trichloroethane
 Concen: 20.403 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX005425.D
 Acq: 18 Oct 2018 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018WBS01

Tot Ion:	97	Resp:	58710
Ion	Ratio	Lower	Upper
97	100		
83	82.7	66.4	99.6
85	55.2	43.3	64.9
99	64.8	49.0	73.4



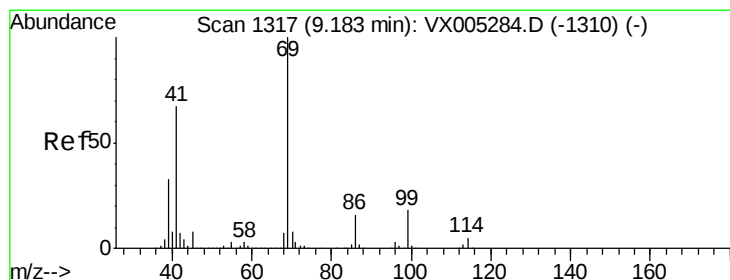
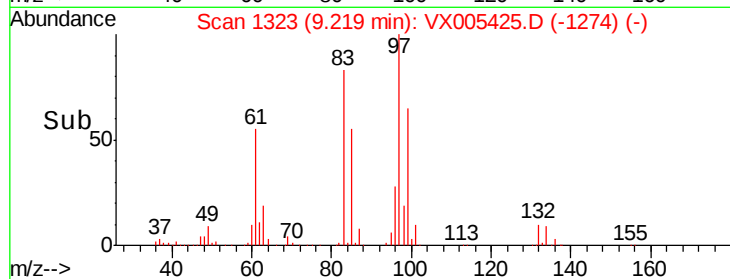
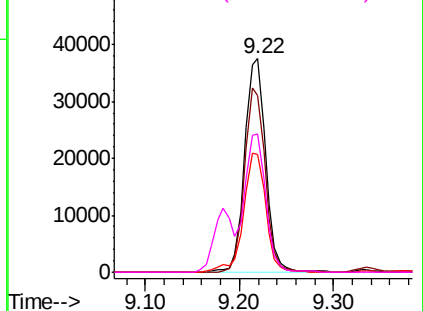
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

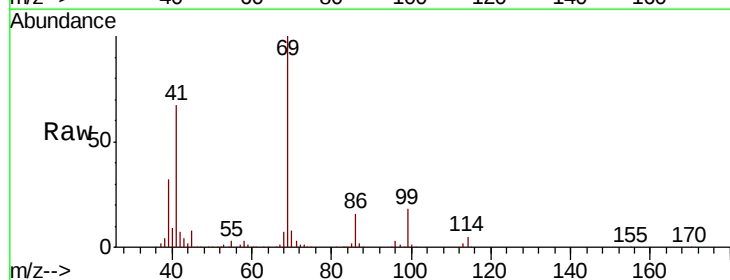
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 21.535 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005425.D
 Acq: 18 Oct 2018 13:03

Tgt Ion:	69	Resp:	90333
Ion	Ratio	Lower	Upper
69	100		
41	66.7	51.0	76.4
39	31.6	26.1	39.1

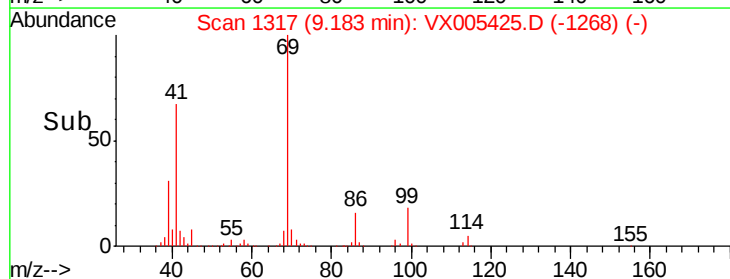
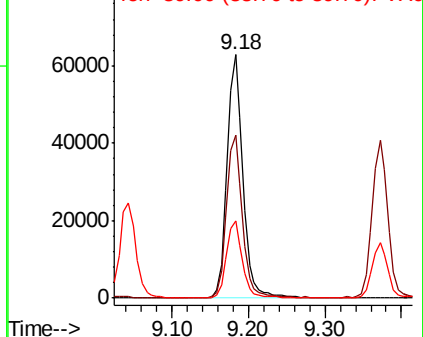


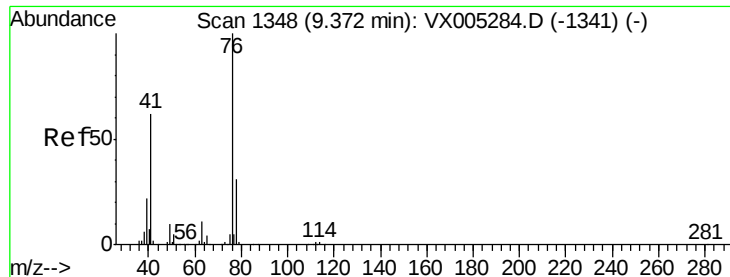
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 20.370 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

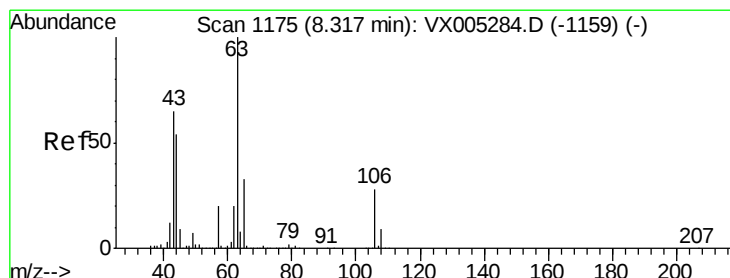
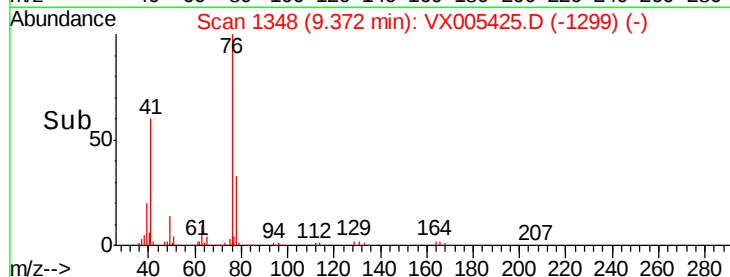
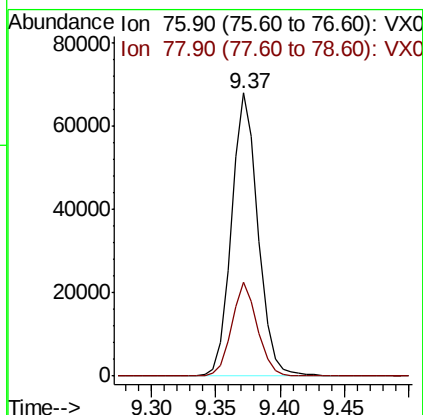
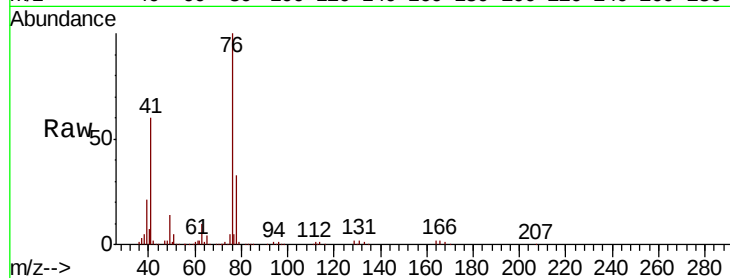
VX1018WBS01

Tot Ion: 76 Resp: 97831

Ion Ratio Lower Upper

76 100

78 32.3 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 109.186 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VX005425.D

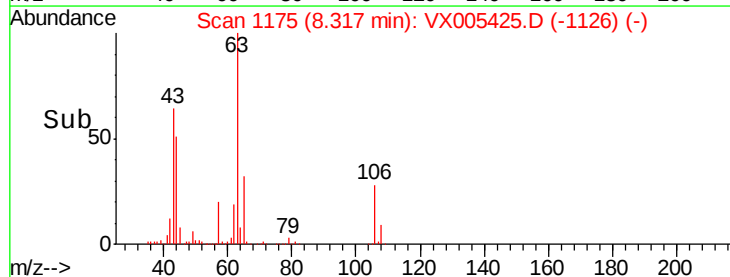
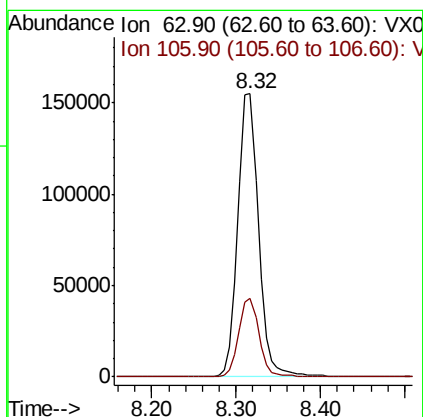
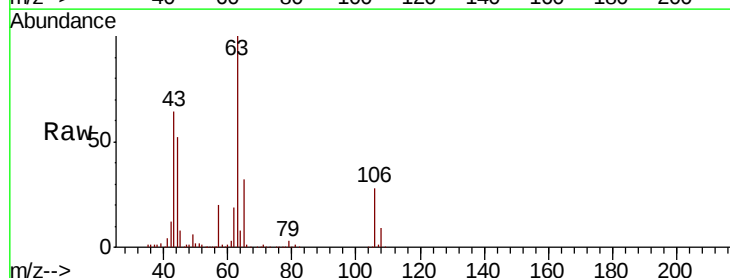
Acq: 18 Oct 2018 13:03

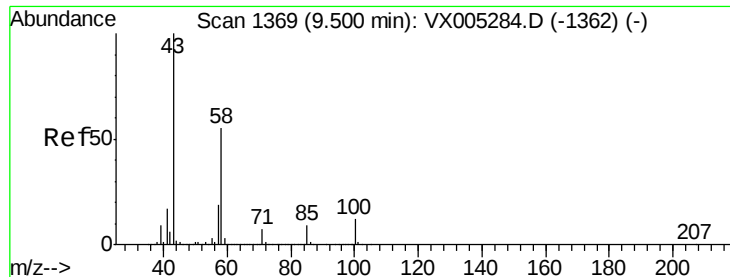
Tgt Ion: 63 Resp: 256862

Ion Ratio Lower Upper

63 100

106 27.3 23.9 35.9

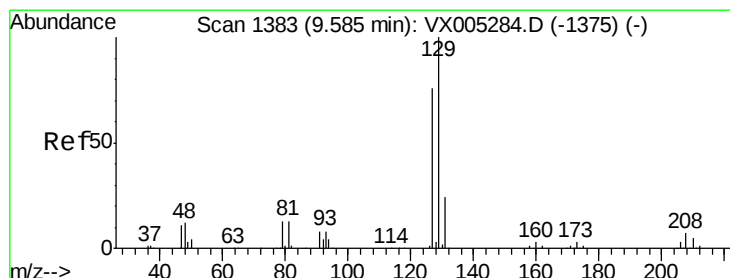
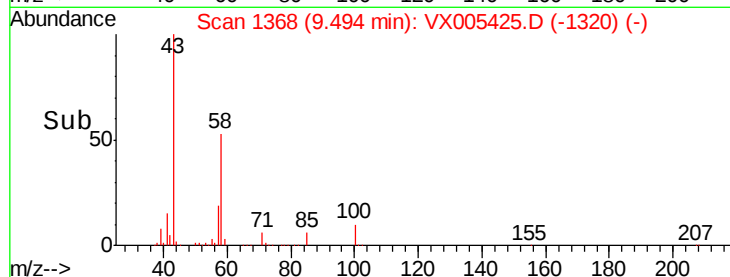
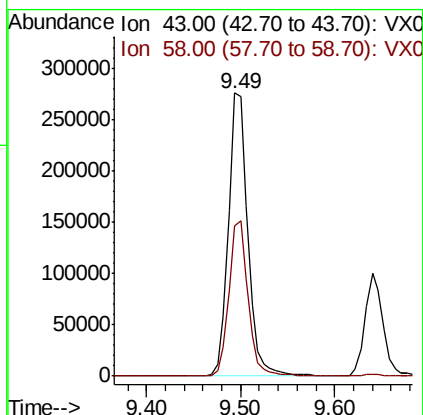
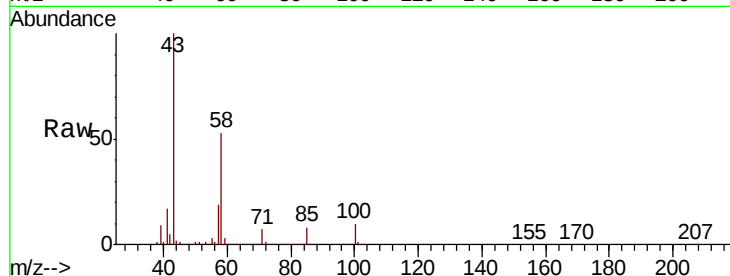




#59
2-Hexanone
Concen: 100.156 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

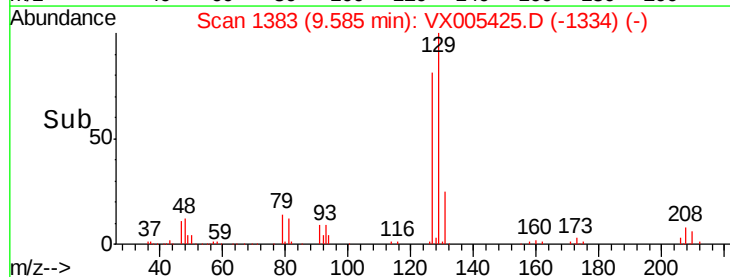
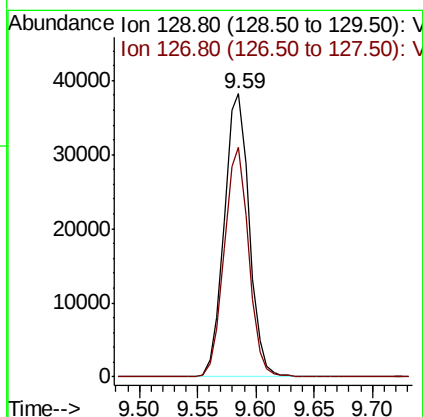
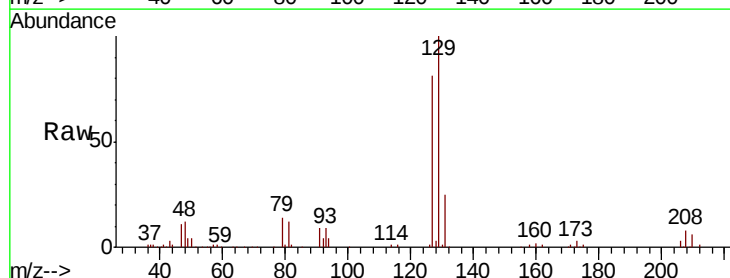
Instrument :
MSVOA_X
ClientSampleId :
VX1018WBS01

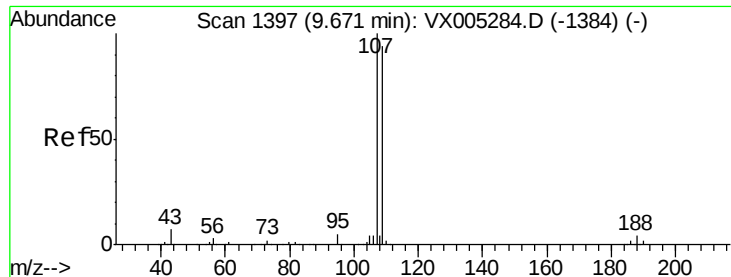
Tot Ion: 43 Resp: 395596
Ion Ratio Lower Upper
43 100
58 54.3 29.0 87.0



#60
Dibromochloromethane
Concen: 19.150 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Tgt Ion: 129 Resp: 56960
Ion Ratio Lower Upper
129 100
127 78.8 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.300 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

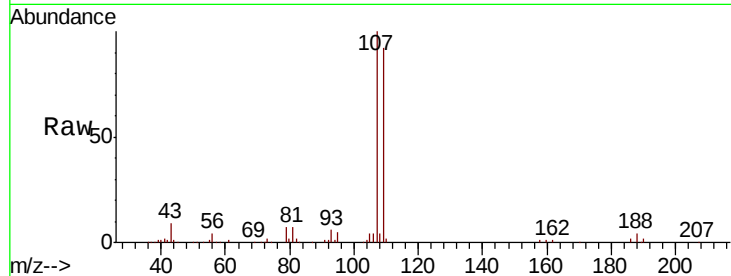
VX1018WBS01

Tot Ion:107 Resp: 61303

Ion Ratio Lower Upper

107 100

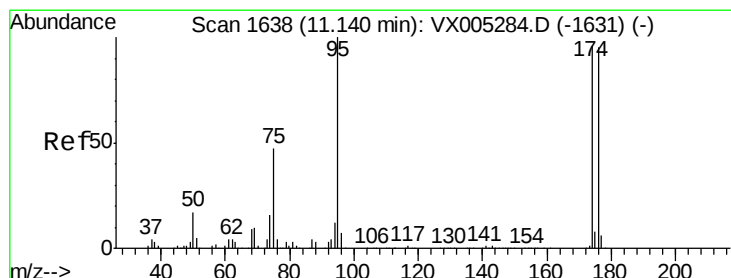
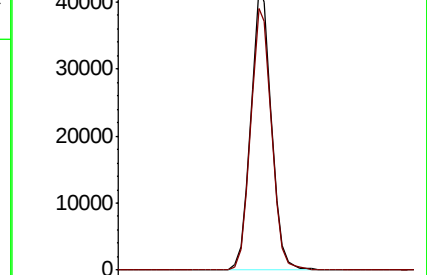
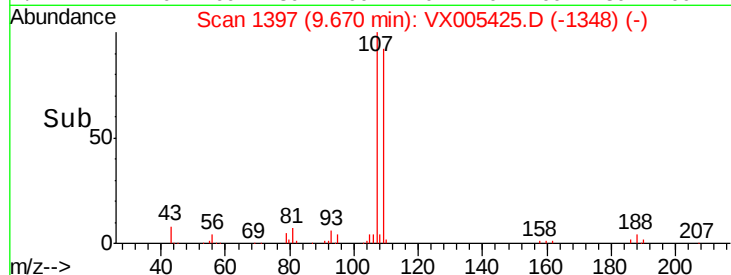
109 94.3 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67



#62

4-Bromofluorobenzene

Concen: 51.830 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

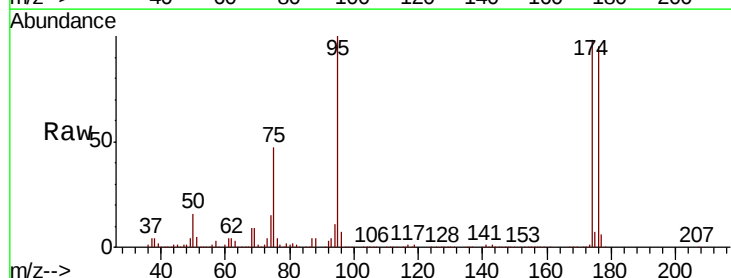
Tgt Ion: 95 Resp: 189228

Ion Ratio Lower Upper

95 100

174 93.6 0.0 185.2

176 90.8 0.0 178.6

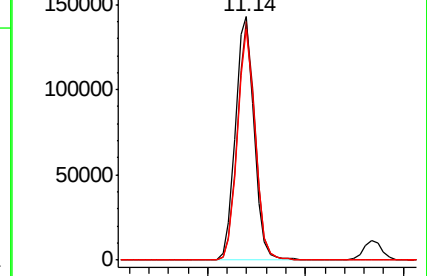
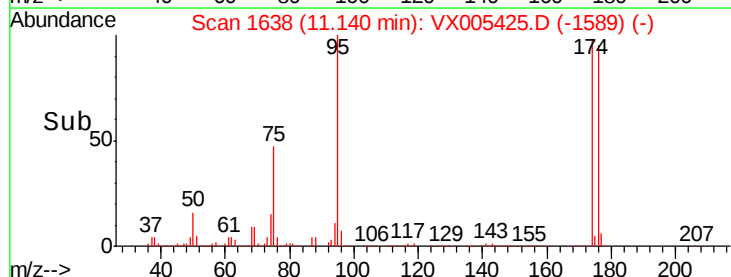


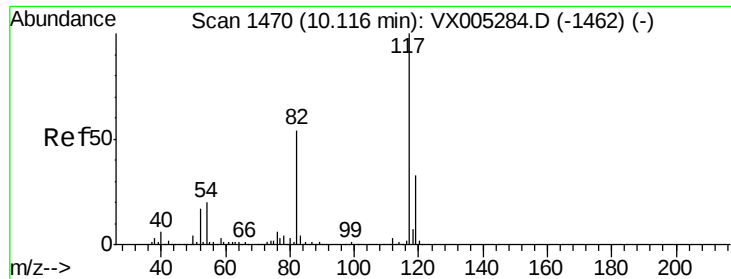
Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

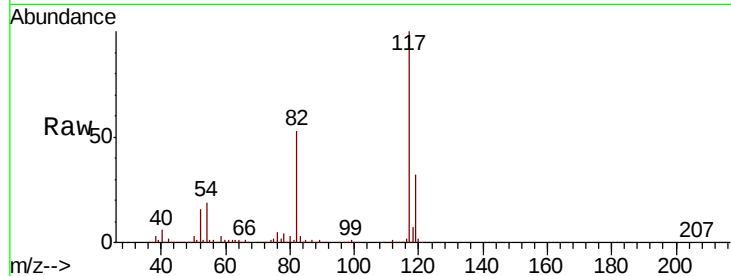




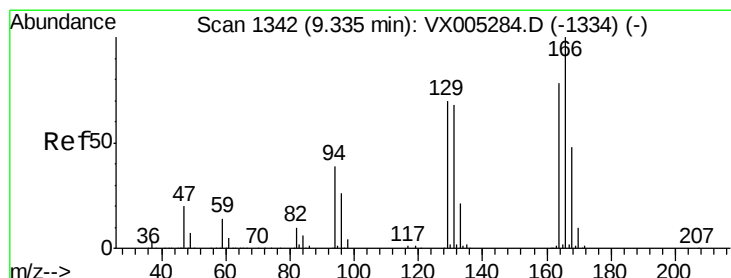
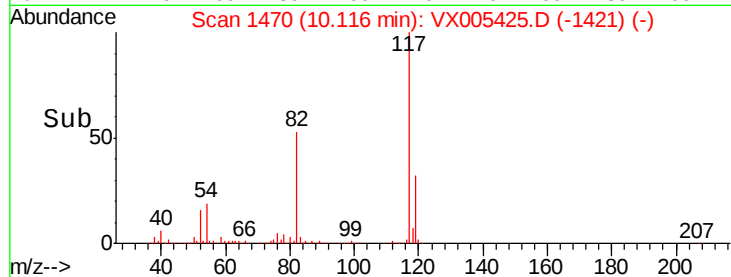
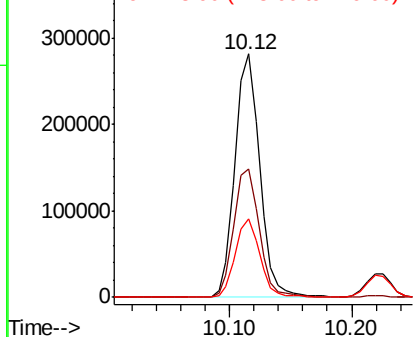
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX1018WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	47.8	71.6
119	32.1	29.3	43.9



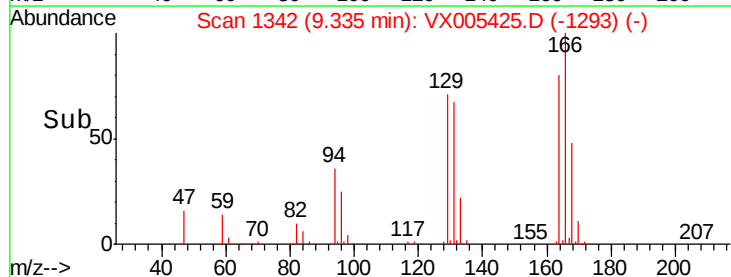
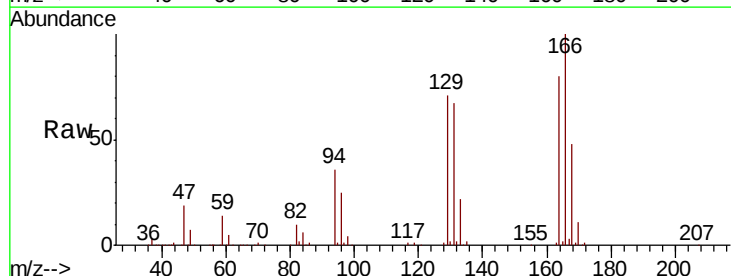
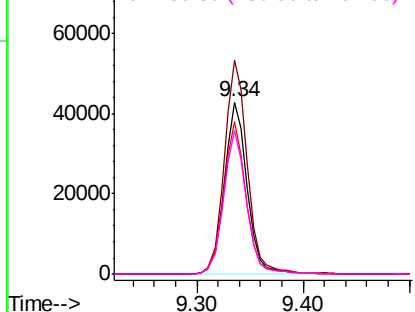
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

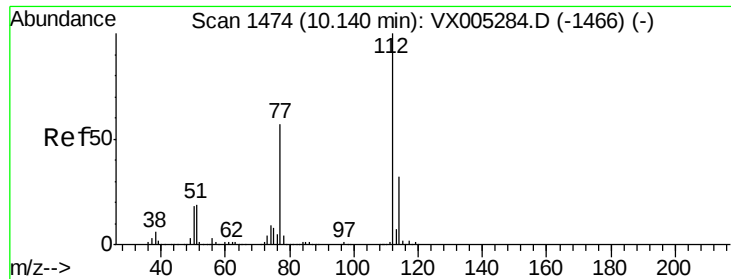


#64
Tetrachloroethene
Concen: 20.254 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.4	102.8	154.2
129	88.4	69.4	104.0
131	83.2	67.9	101.9

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

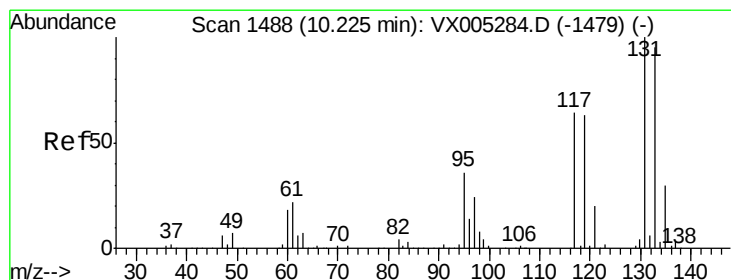
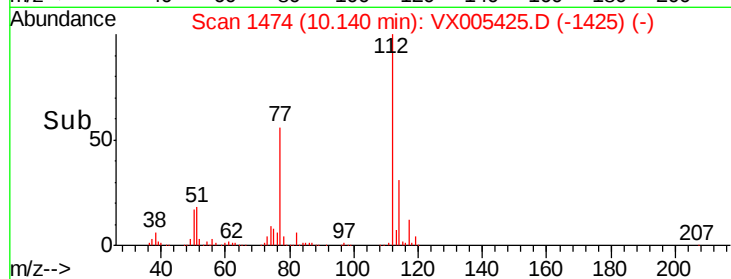
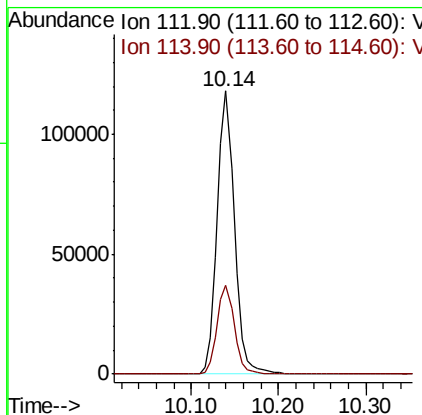
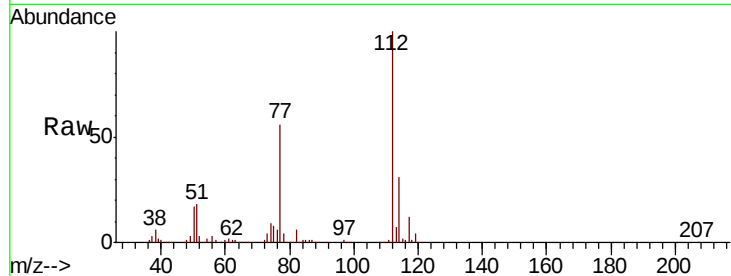




#65
Chlorobenzene
Concen: 19.193 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

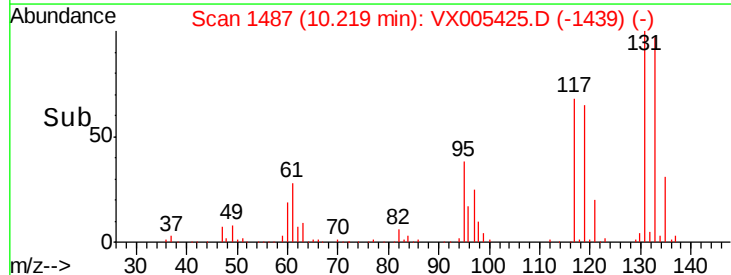
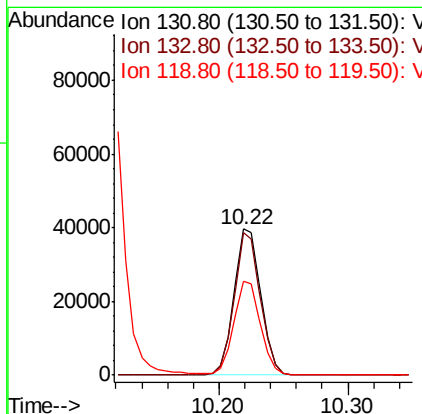
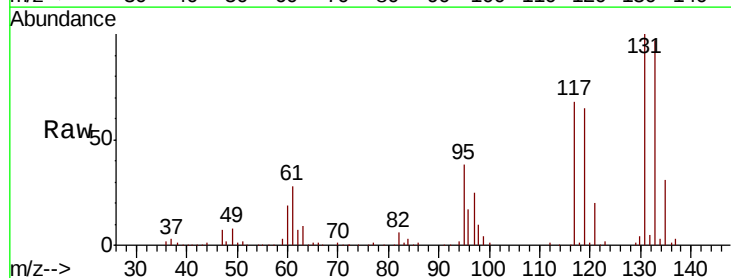
Instrument :
MSVOA_X
ClientSampled :
VX1018WBS01

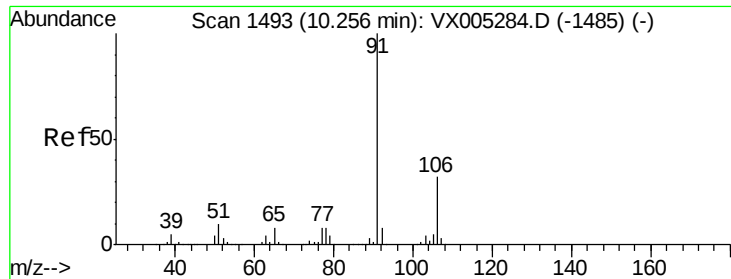
Tot Ion:112 Resp: 161314
Ion Ratio Lower Upper
112 100
114 31.3 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.146 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Tgt Ion:131 Resp: 57344
Ion Ratio Lower Upper
131 100
133 95.2 48.1 144.4
119 64.0 32.9 98.6





#67

Ethyl Benzene

Concen: 19.769 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

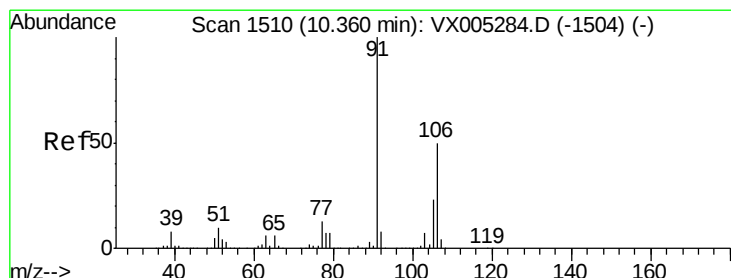
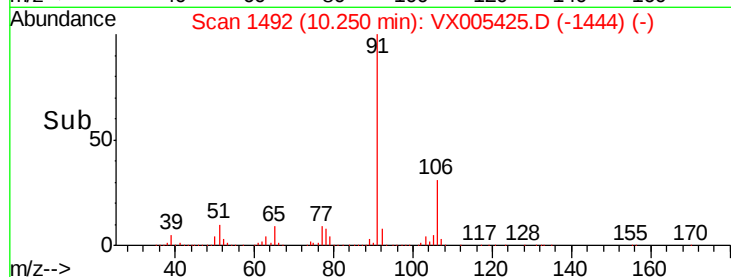
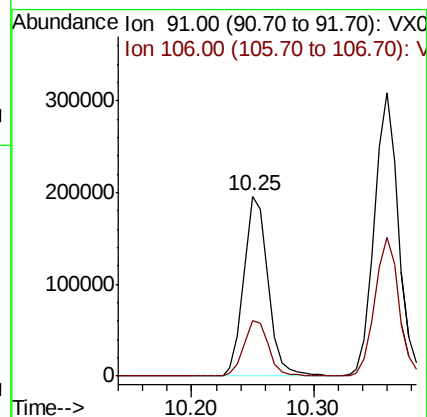
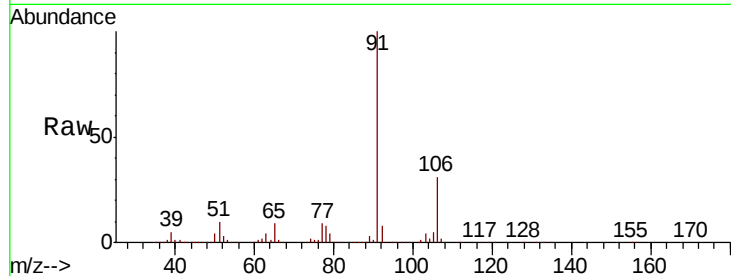
VX1018WBS01

Tot Ion: 91 Resp: 270109

Ion Ratio Lower Upper

91 100

106 31.2 25.9 38.9



#68

m/p-Xylenes

Concen: 39.656 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005425.D

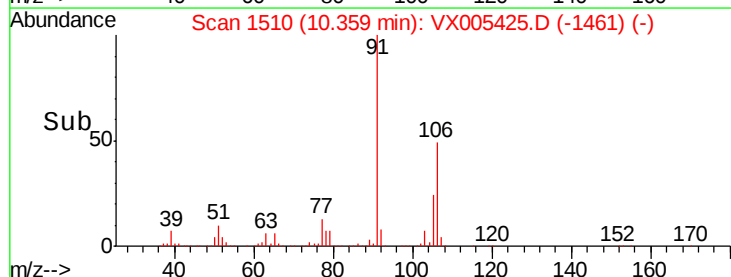
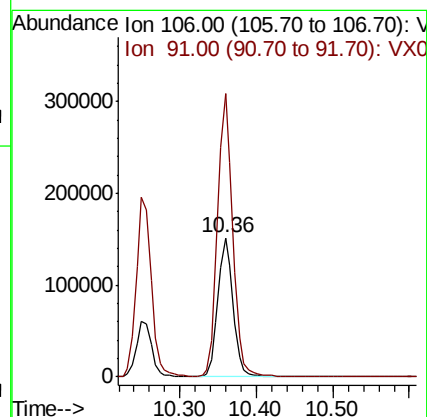
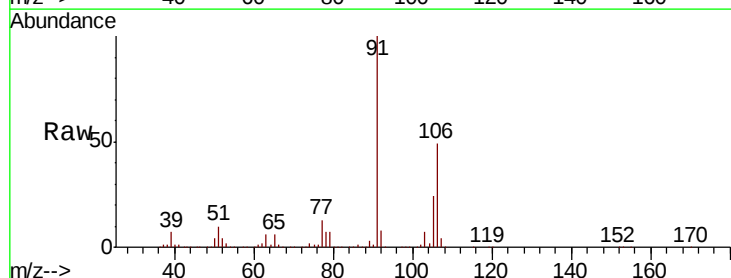
Acq: 18 Oct 2018 13:03

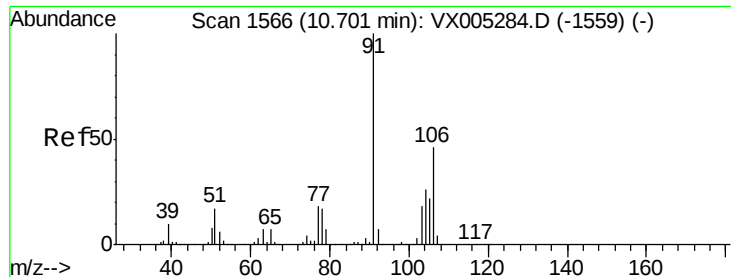
Tgt Ion: 106 Resp: 210307

Ion Ratio Lower Upper

106 100

91 202.6 157.1 235.7

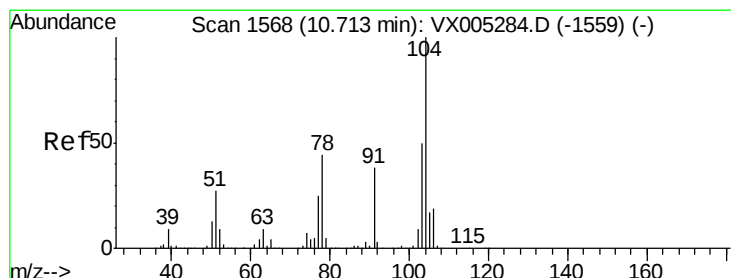
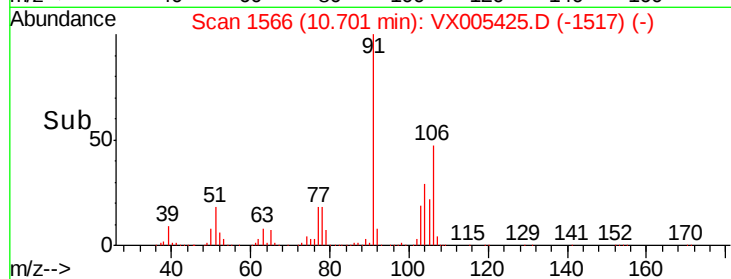
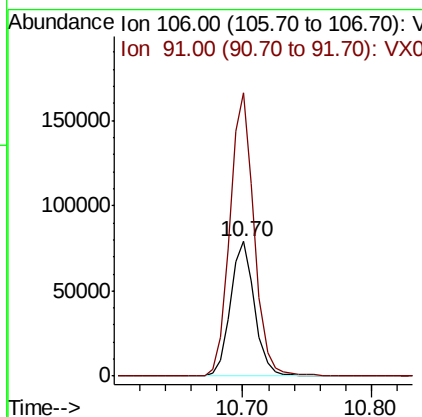
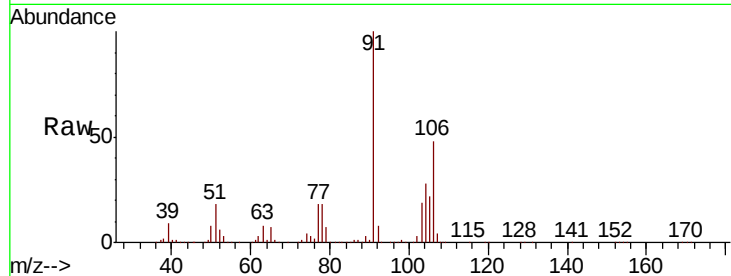




#69
o-Xylene
Concen: 20.265 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

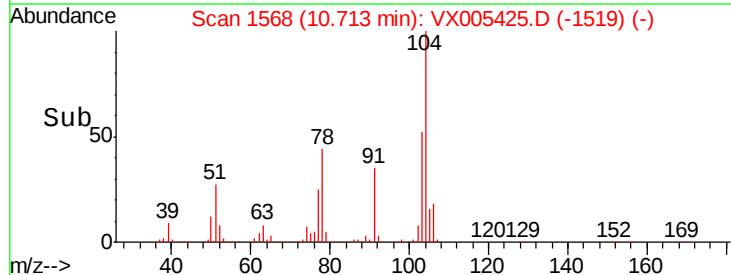
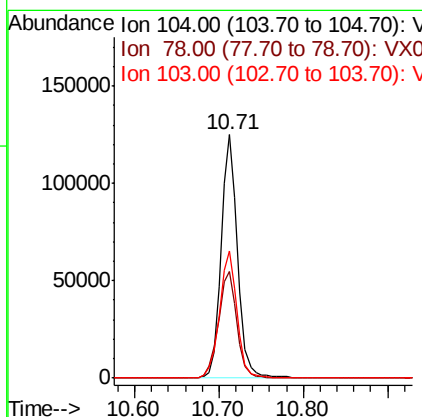
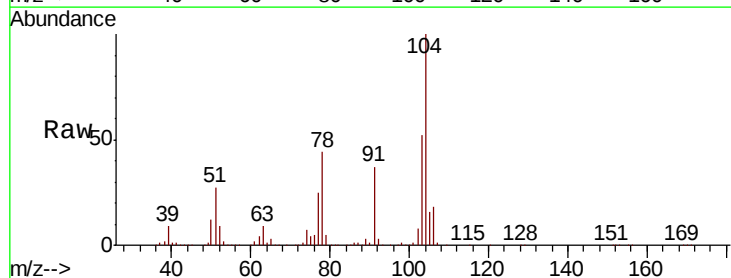
Instrument :
MSVOA_X
ClientSampleId :
VX1018WBS01

Tot Ion:106 Resp: 103649
Ion Ratio Lower Upper
106 100
91 211.0 105.1 315.1



#70
Styrene
Concen: 19.902 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Tgt Ion:104 Resp: 167427
Ion Ratio Lower Upper
104 100
78 49.7 37.4 56.0
103 56.1 43.8 65.6





#71

Bromoform

Concen: 17.381 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBS01

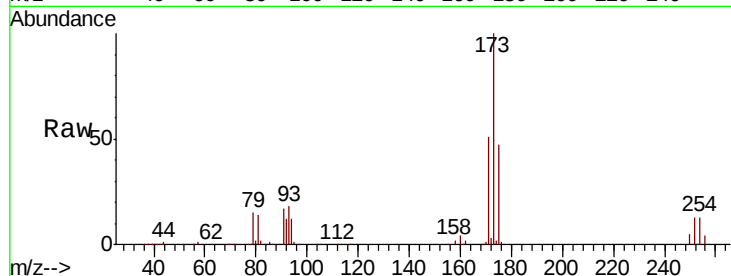
Tot Ion:173 Resp: 46520

Ion Ratio Lower Upper

173 100

175 48.7 24.1 72.3

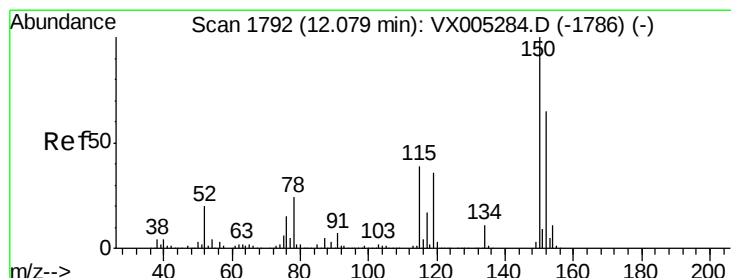
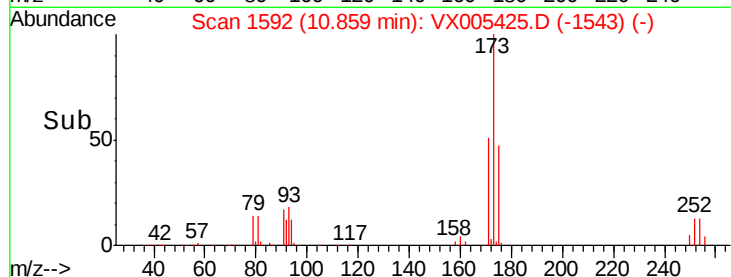
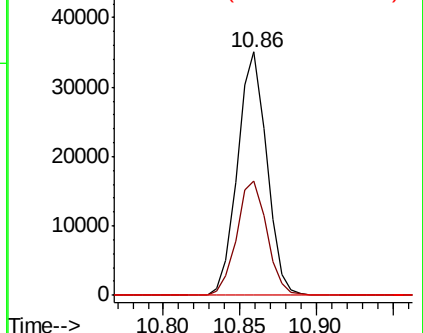
254 0.2 0.2 0.2



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: VX005425.D

Acq: 18 Oct 2018 13:03

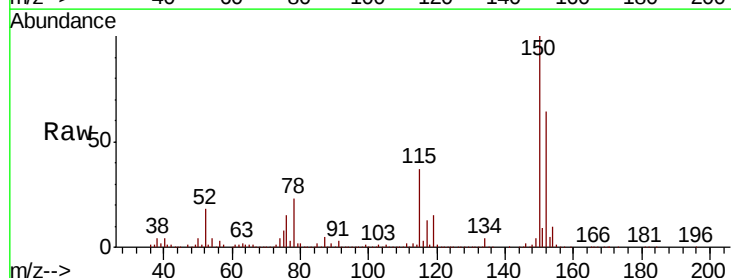
Tgt Ion:152 Resp: 217136

Ion Ratio Lower Upper

152 100

115 64.1 39.0 117.0

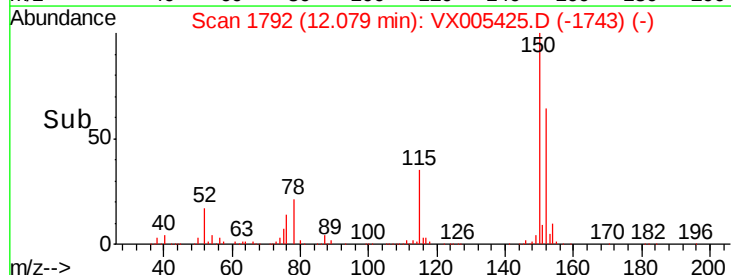
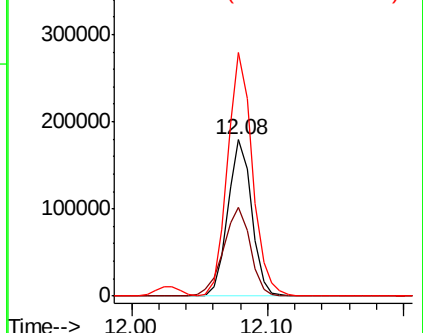
150 163.5 0.0 351.0

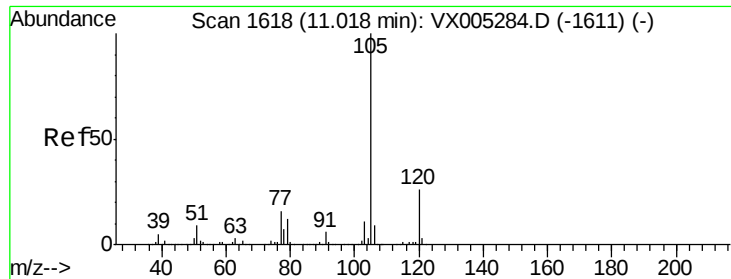


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.588 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

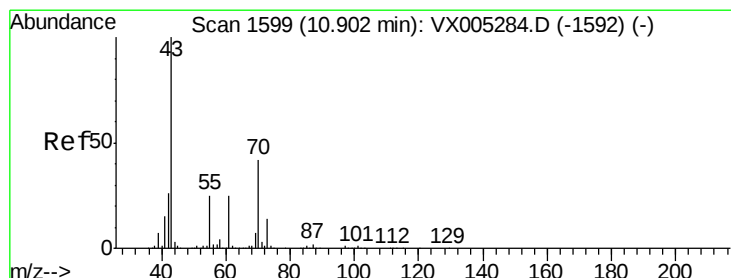
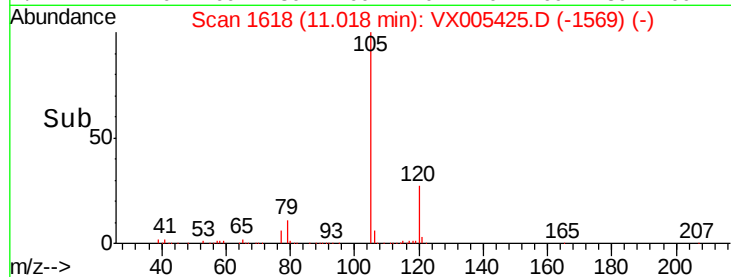
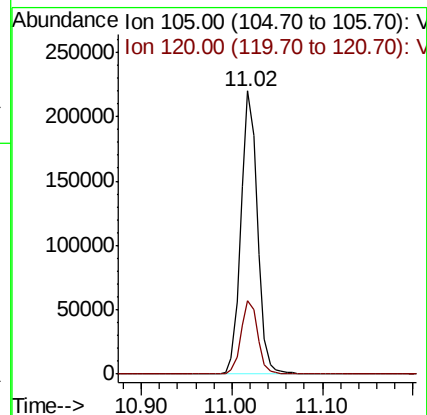
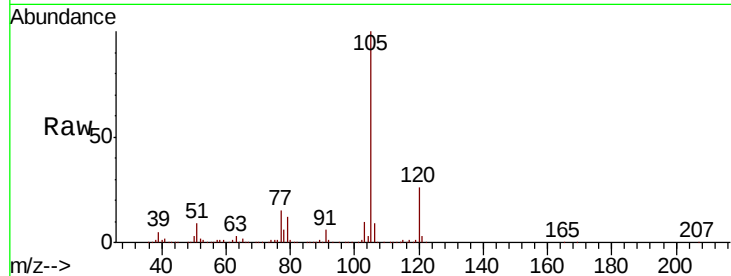
VX1018WBS01

Tot Ion:105 Resp: 278663

Ion Ratio Lower Upper

105 100

120 26.4 13.5 40.4



#74

N-ethyl acetate

Concen: 20.724 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Tgt Ion: 43 Resp: 129023

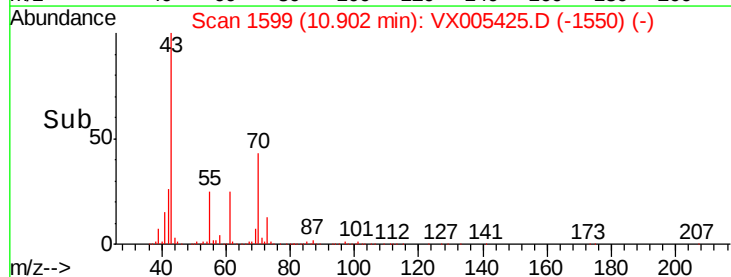
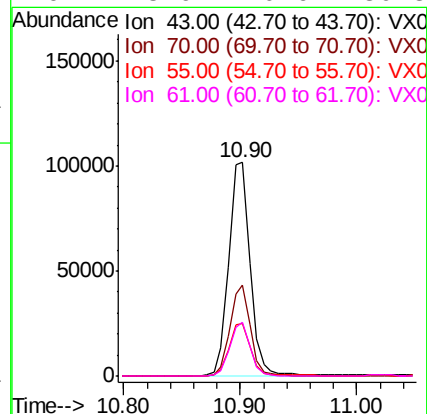
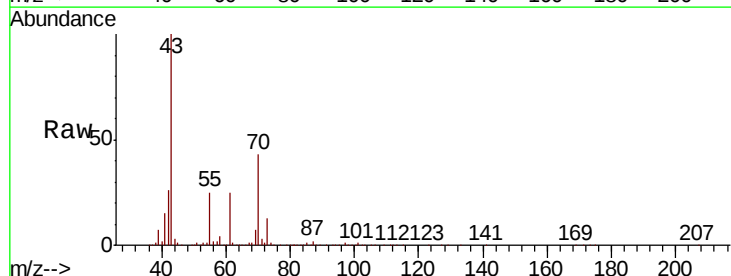
Ion Ratio Lower Upper

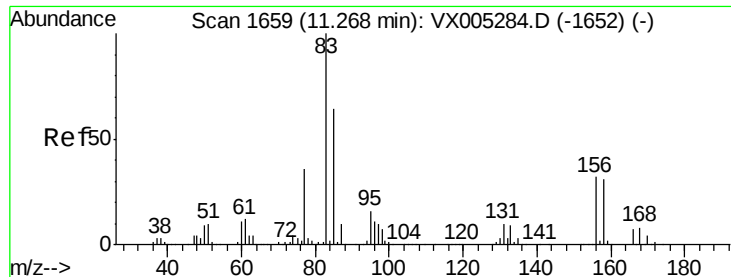
43 100

70 40.7 37.4 56.0

55 24.9 21.8 32.8

61 23.9 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.452 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBS01

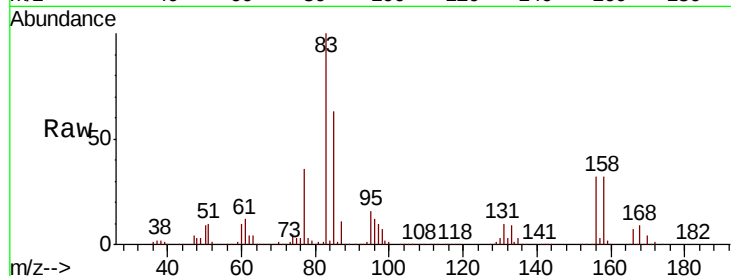
Tot Ion: 83 Resp: 94720

Ion Ratio Lower Upper

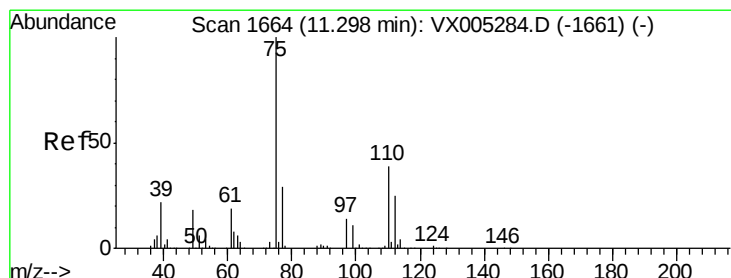
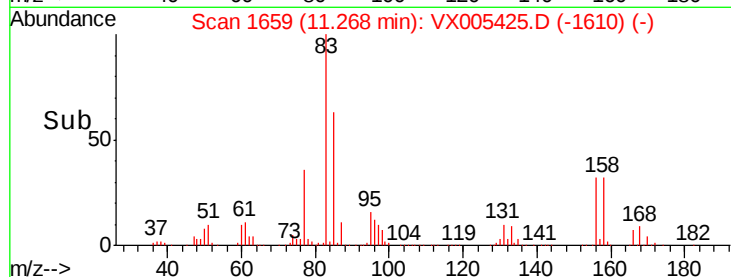
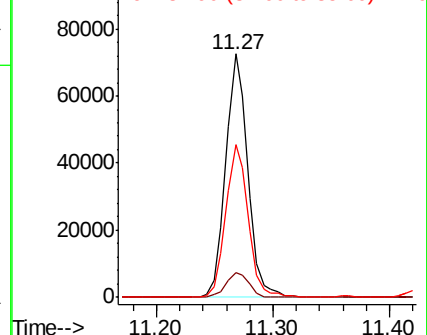
83 100

131 10.7 5.2 15.6

85 64.1 32.3 96.8



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: 26.297 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX005425.D

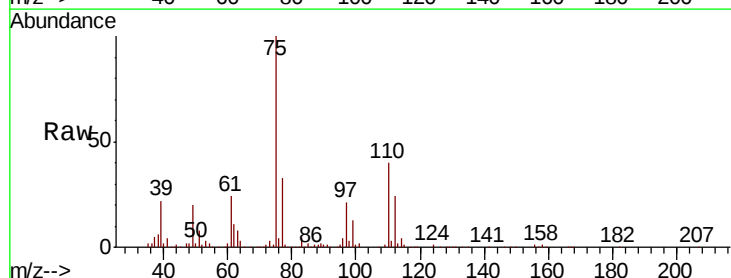
Acq: 18 Oct 2018 13:03

Tgt Ion: 75 Resp: 110760

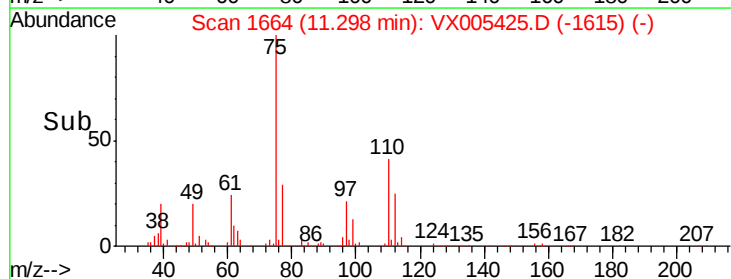
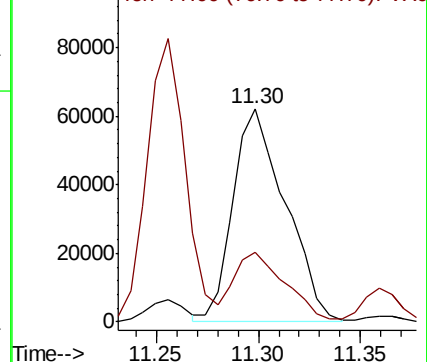
Ion Ratio Lower Upper

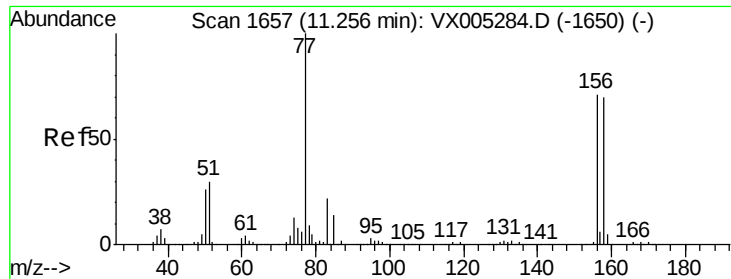
75 100

77 31.8 20.2 60.6



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





#77

Bromobenzene

Concen: 20.514 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBS01

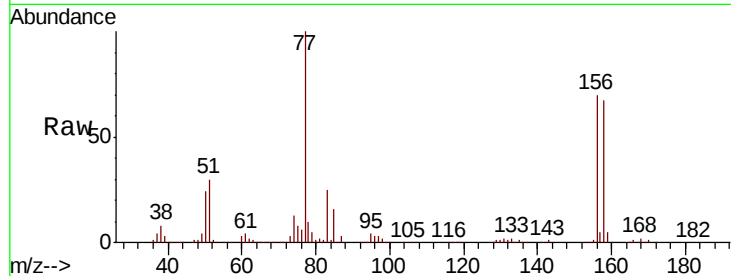
Tot Ion:156 Resp: 75713

Ion Ratio Lower Upper

156 100

77 142.8 71.5 214.3

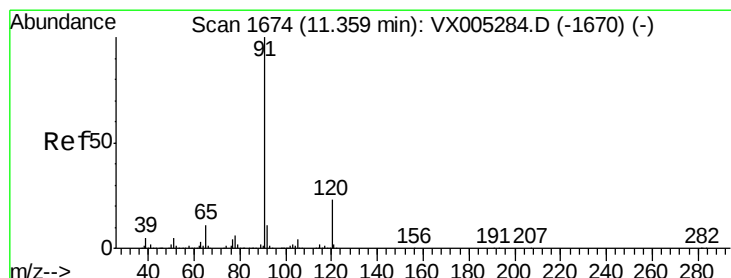
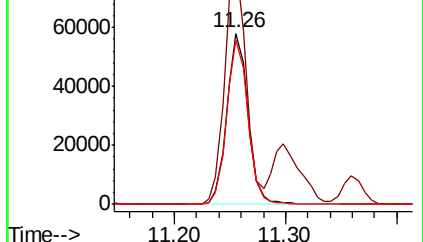
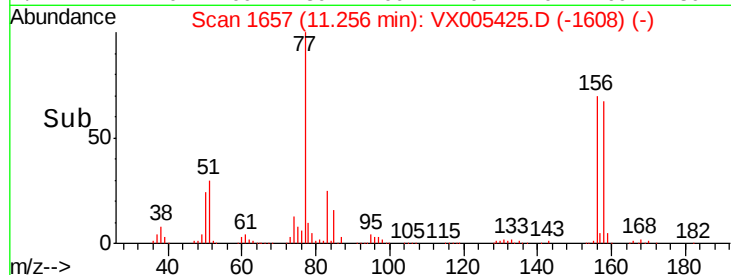
158 96.8 48.9 146.8



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: 21.374 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005425.D

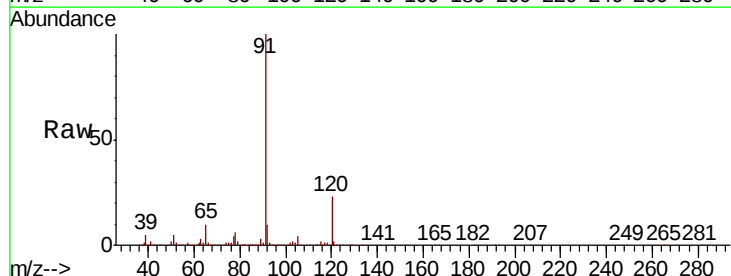
Acq: 18 Oct 2018 13:03

Tgt Ion: 91 Resp: 317485

Ion Ratio Lower Upper

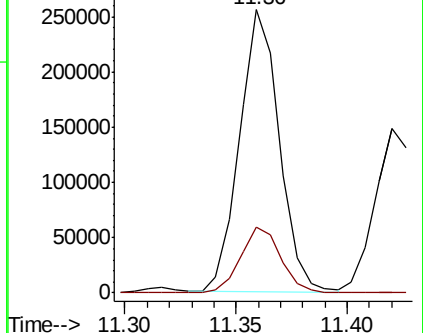
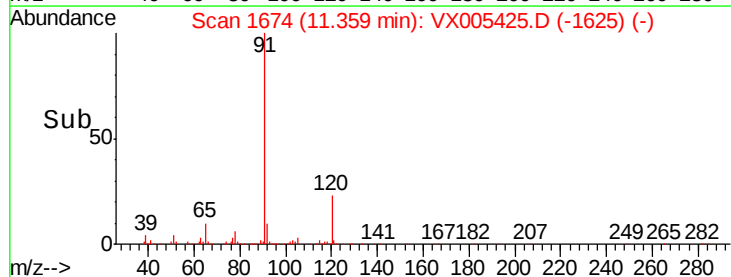
91 100

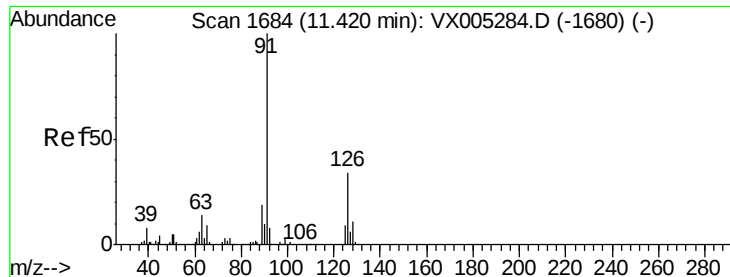
120 23.8 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.888 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

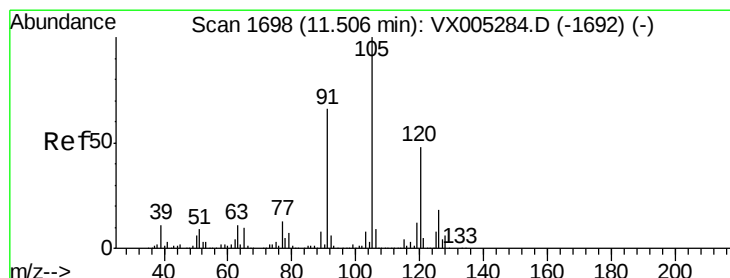
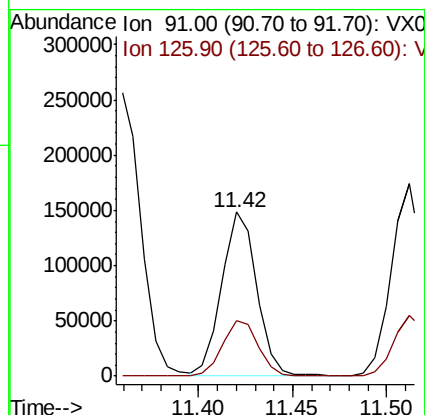
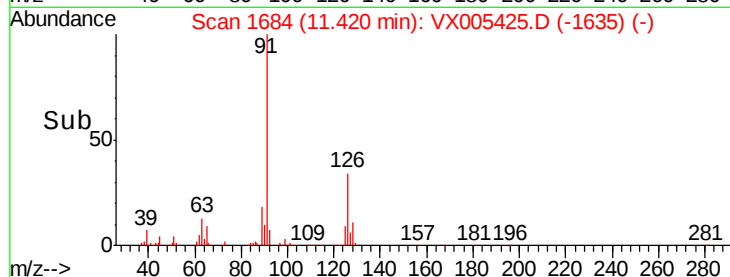
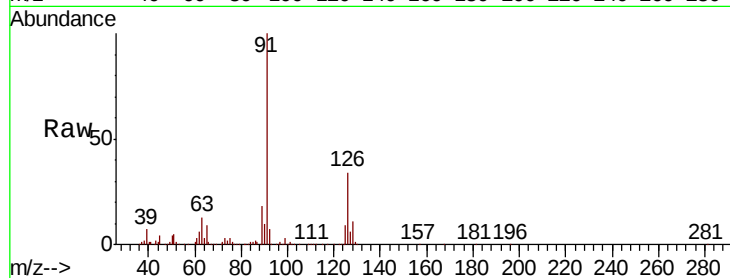
VX1018WBS01

Tot Ion: 91 Resp: 190017

Ion Ratio Lower Upper

91 100

126 35.2 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 21.191 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005425.D

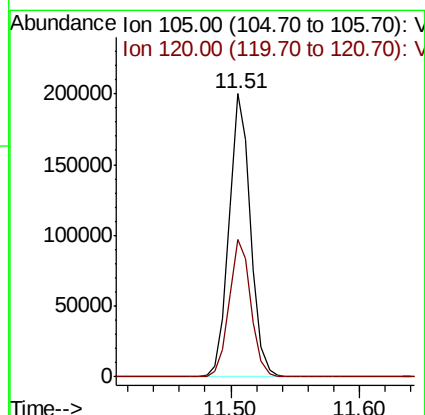
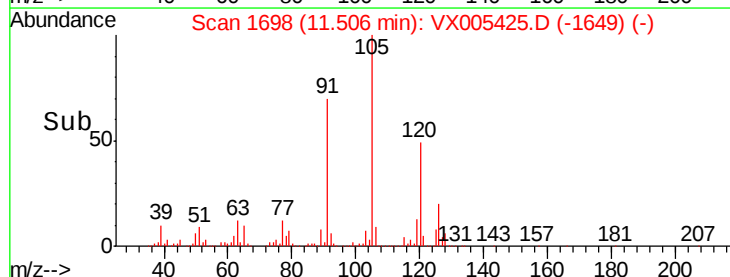
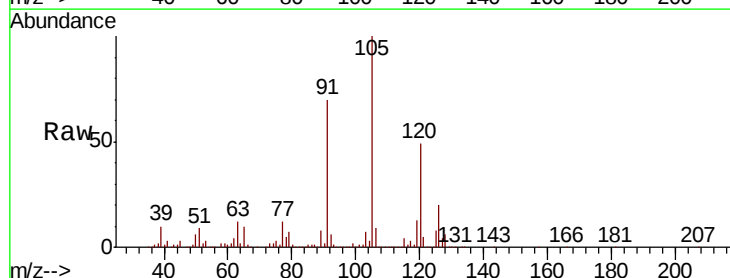
Acq: 18 Oct 2018 13:03

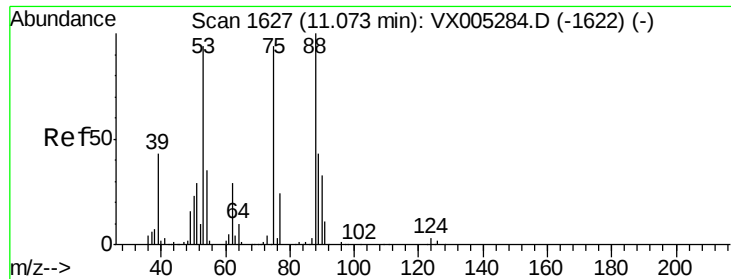
Tgt Ion: 105 Resp: 234242

Ion Ratio Lower Upper

105 100

120 49.4 25.6 76.8

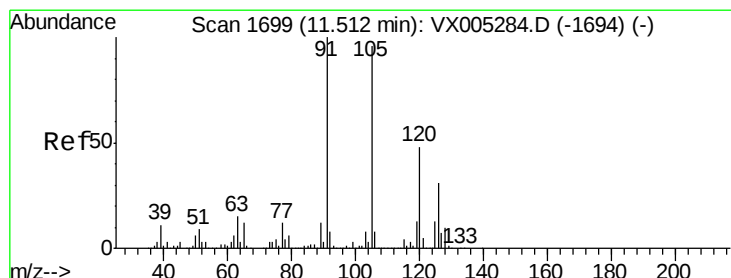
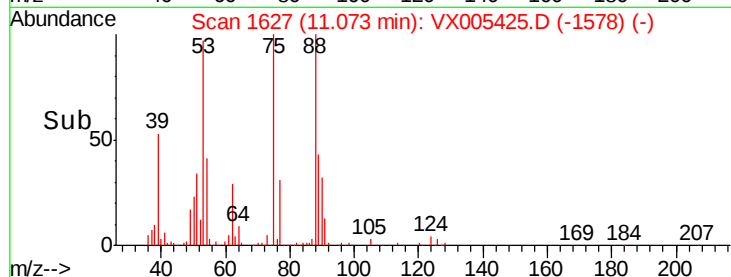
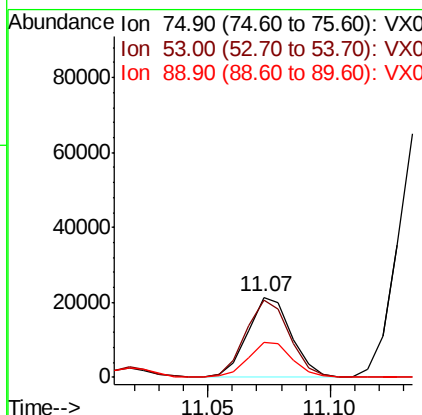
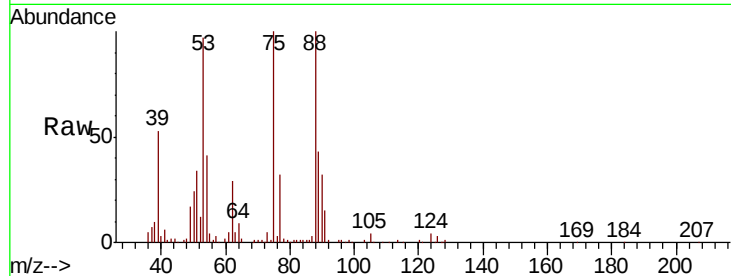




#81
trans-1,4-Dichloro-2-butene
Concen: 19.035 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

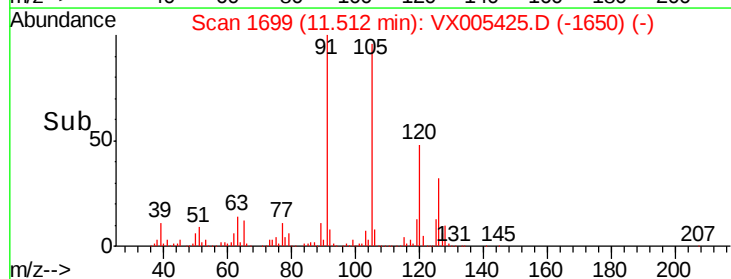
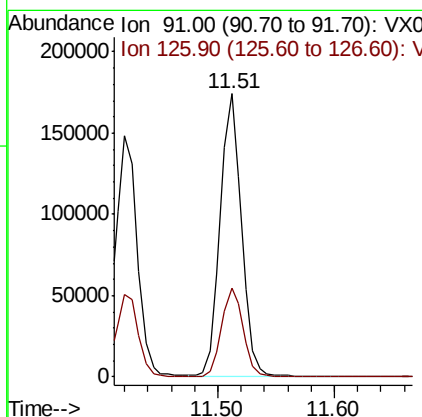
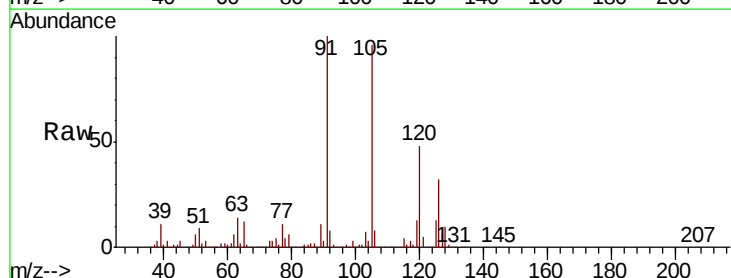
Instrument :
MSVOA_X
ClientSampleId :
VX1018WBS01

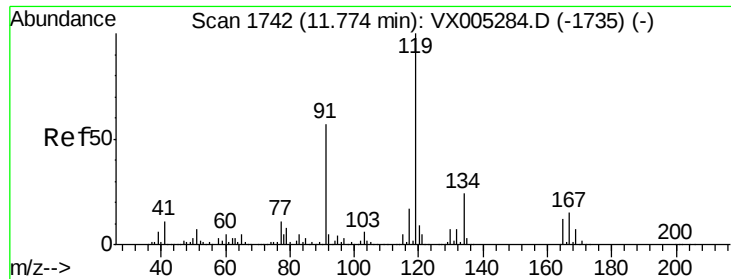
Tot Ion: 75 Resp: 26386
Ion Ratio Lower Upper
75 100
53 97.7 80.1 120.1
89 45.1 37.2 55.8



#82
4-Chlorotoluene
Concen: 20.380 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Tgt Ion: 91 Resp: 219773
Ion Ratio Lower Upper
91 100
126 31.8 15.5 46.5

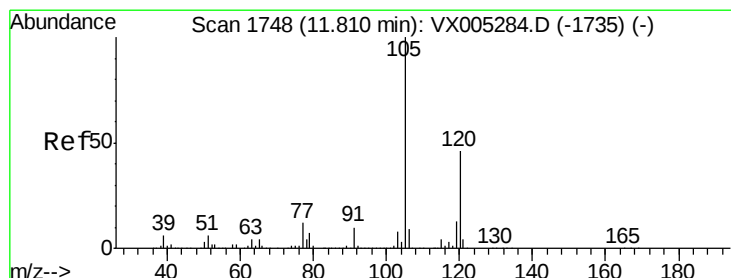
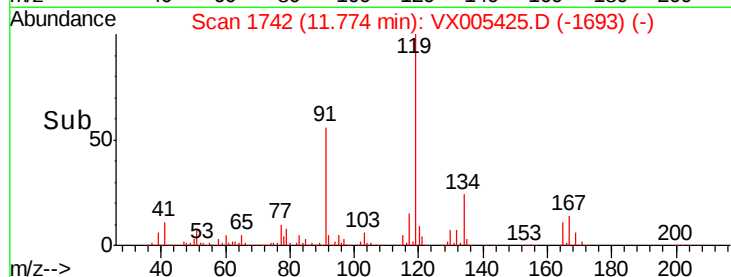
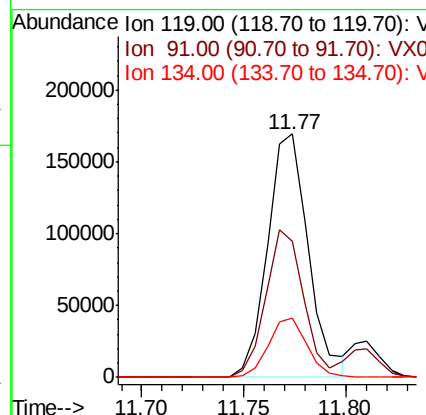
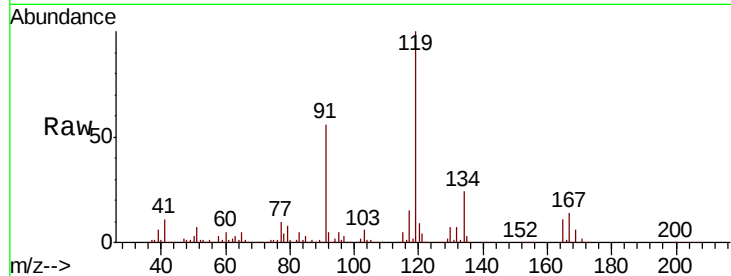




#83
 tert-Butylbenzene
 Concen: 21.035 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX005425.D
 Acq: 18 Oct 2018 13:03

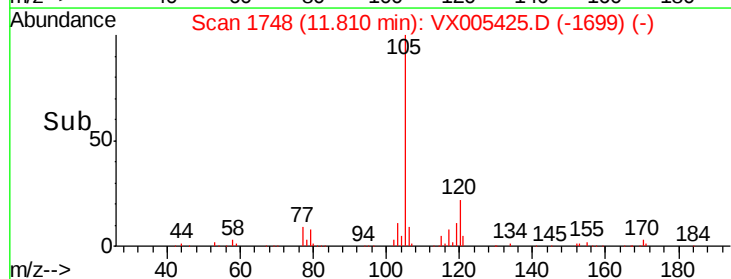
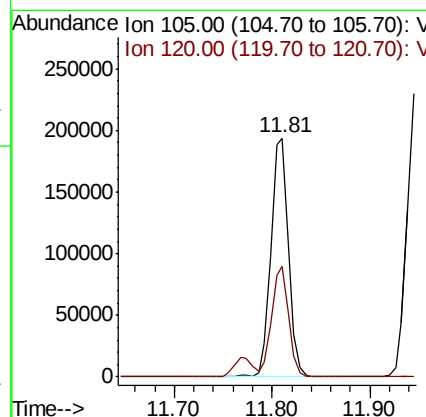
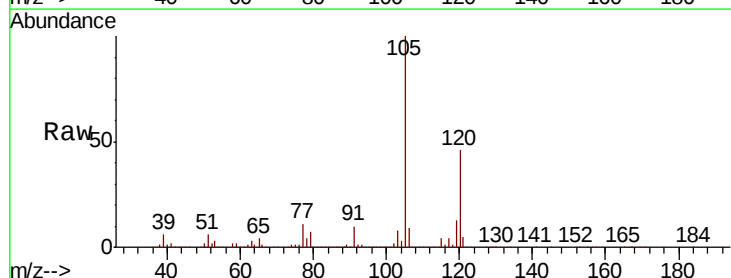
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018WBS01

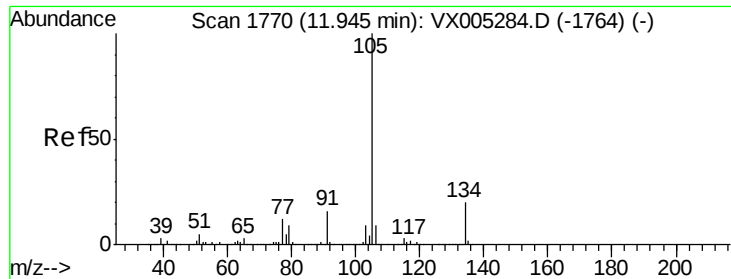
Tot Ion	Ratio	Lower	Upper
119	100		
91	56.3	27.0	81.0
134	23.2	11.7	35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 21.477 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX005425.D
 Acq: 18 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	23.2	69.6





#85

sec-Butylbenzene

Concen: 21.634 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

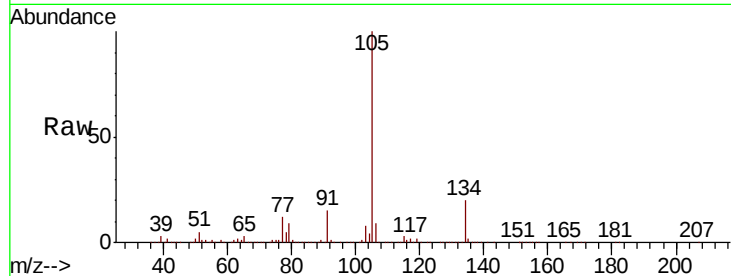
VX1018WBS01

Tot Ion:105 Resp: 286576

Ion Ratio Lower Upper

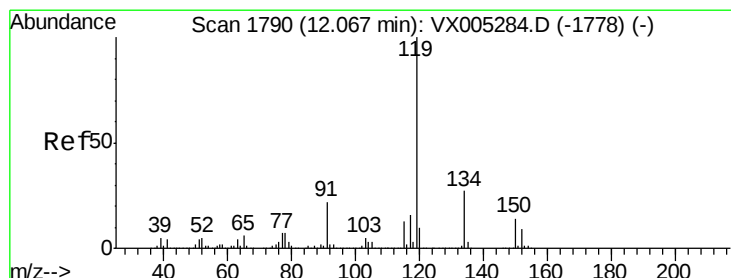
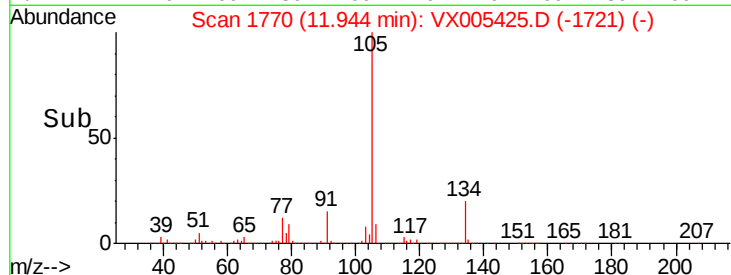
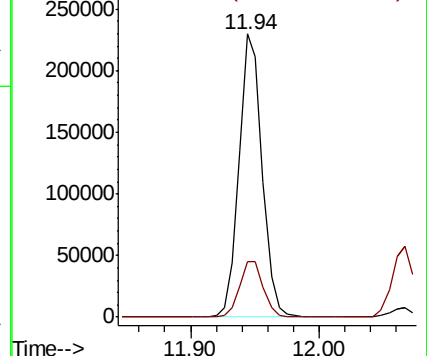
105 100

134 20.3 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.480 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

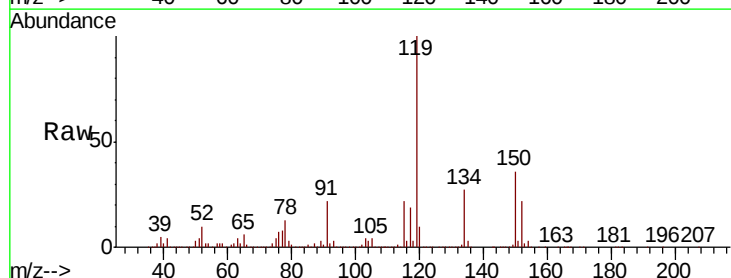
Tgt Ion:119 Resp: 257185

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

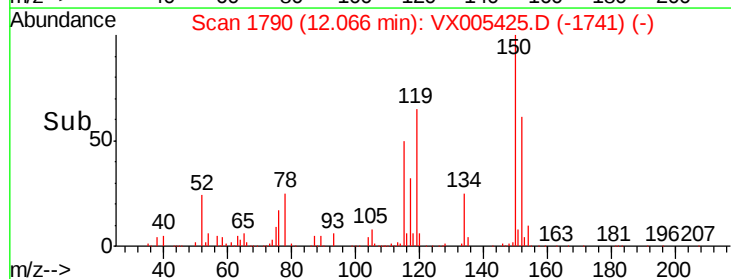
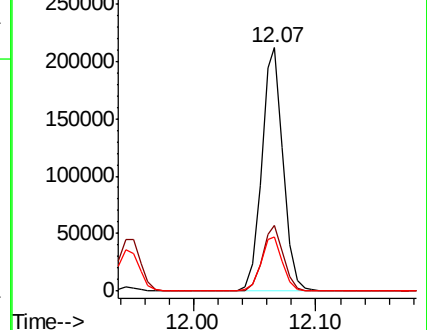
91 22.4 10.9 32.7

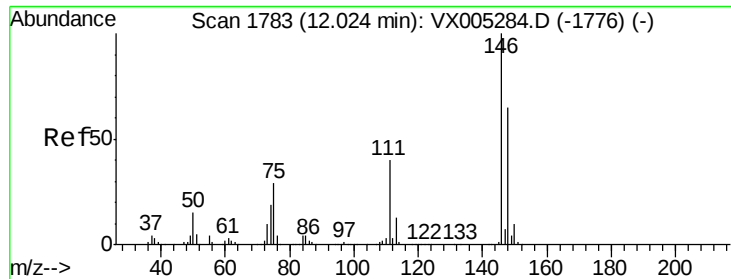


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 20.148 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBS01

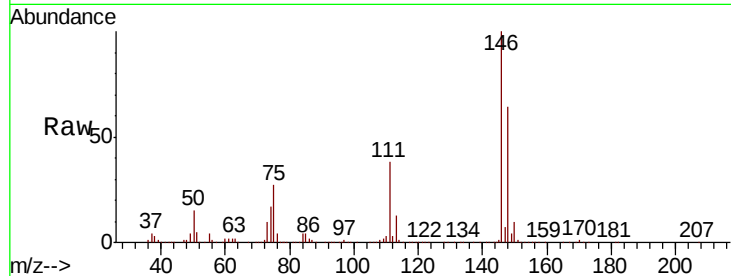
Tot Ion:146 Resp: 138955

Ion Ratio Lower Upper

146 100

111 37.7 18.7 56.1

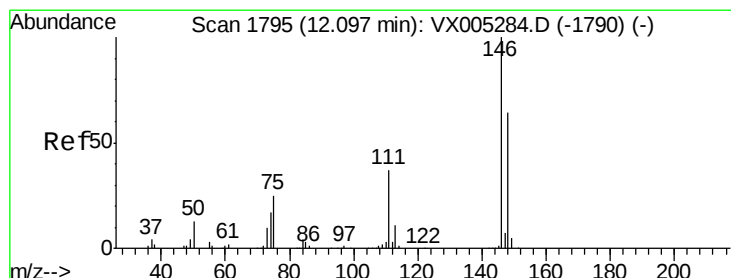
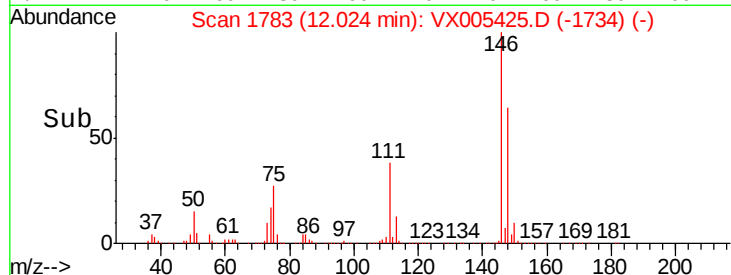
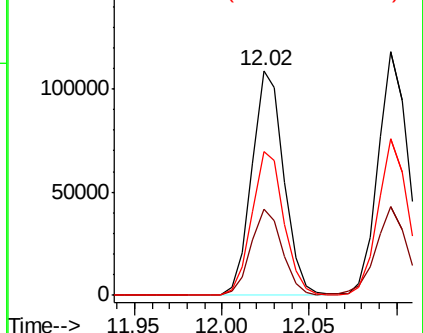
148 64.1 32.1 96.5



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: 20.124 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

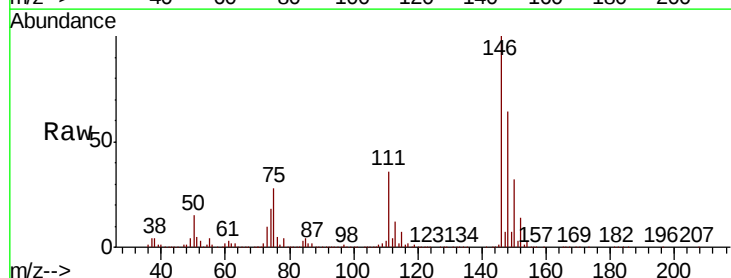
Tgt Ion:146 Resp: 141978

Ion Ratio Lower Upper

146 100

111 37.5 18.1 54.1

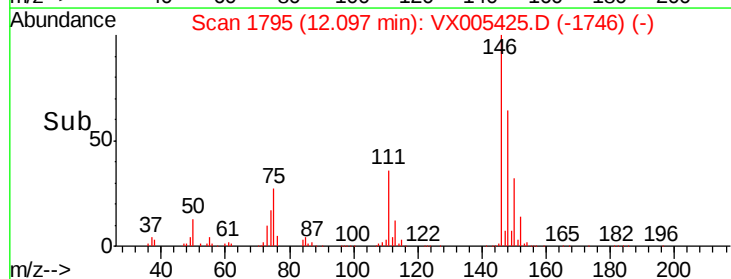
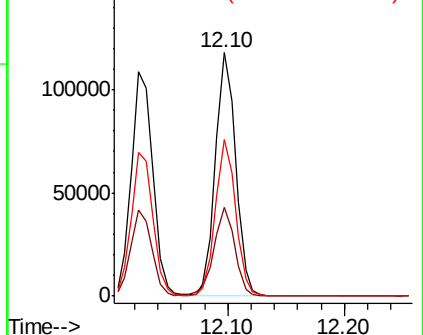
148 64.2 32.0 96.0

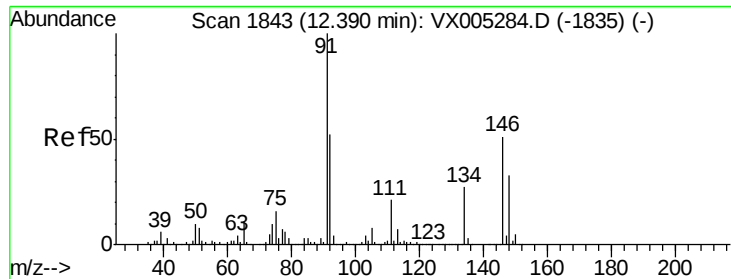


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

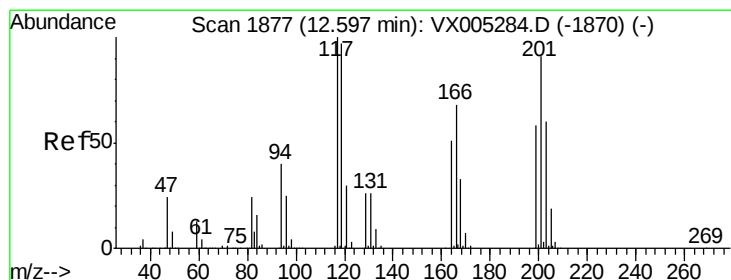
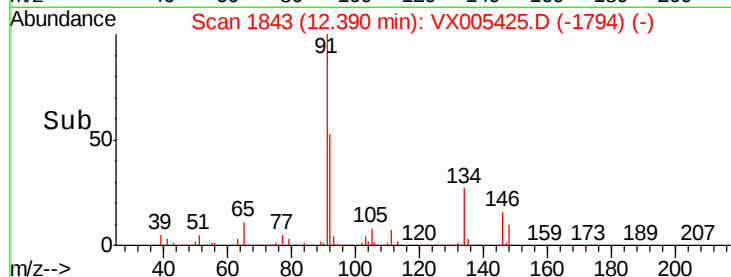
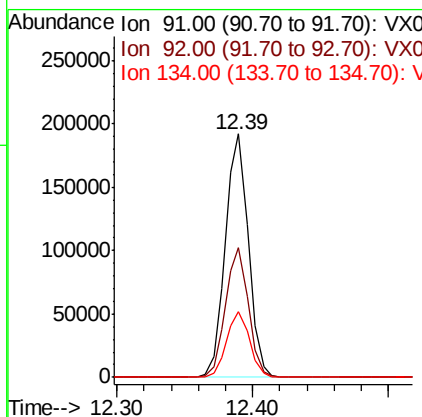
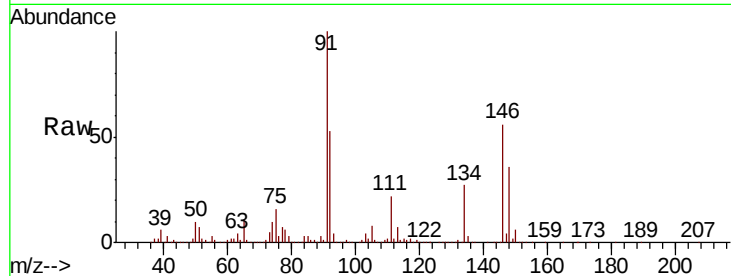




#89
n-Butylbenzene
Concen: 20.719 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

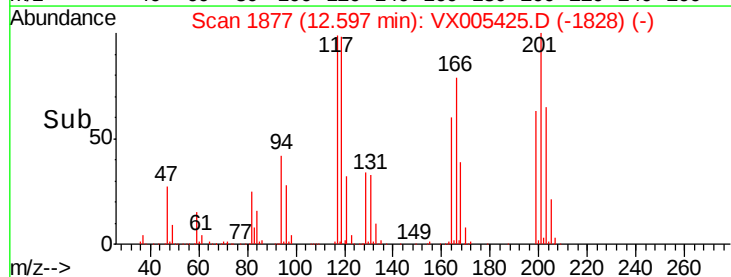
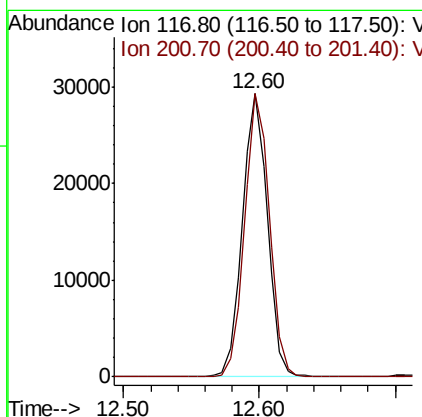
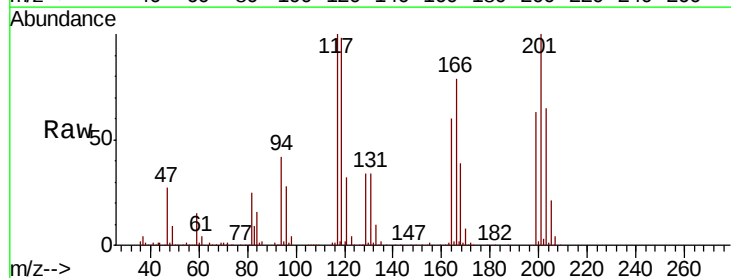
Instrument :
MSVOA_X
ClientSampled :
VX1018WBS01

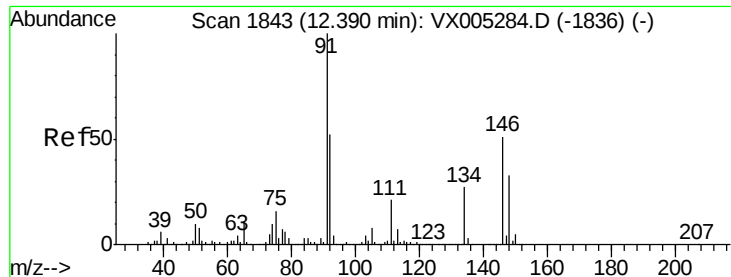
Tot Ion: 91 Resp: 225239
Ion Ratio Lower Upper
91 100
92 52.8 27.3 81.9
134 27.0 13.6 40.7



#90
Hexachloroethane
Concen: 18.017 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Tgt Ion: 117 Resp: 37177
Ion Ratio Lower Upper
117 100
201 100.1 46.9 140.6





#91

1,2-Dichlorobenzene

Concen: 19.939 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBS01

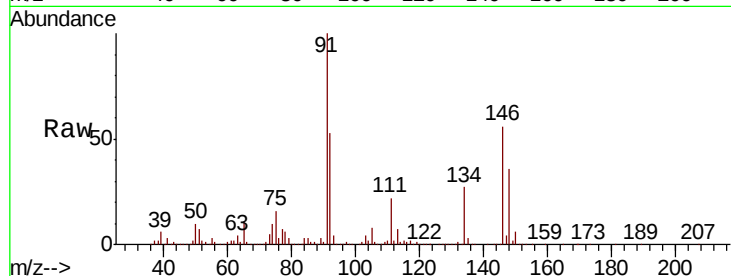
Tot Ion:146 Resp: 140330

Ion Ratio Lower Upper

146 100

111 38.7 19.4 58.1

148 64.5 32.8 98.3

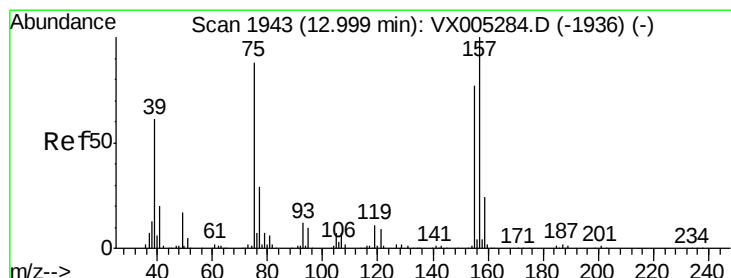
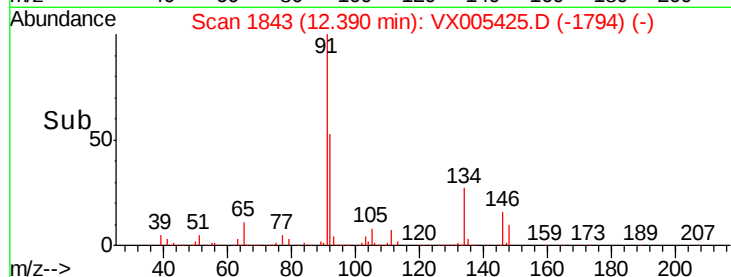
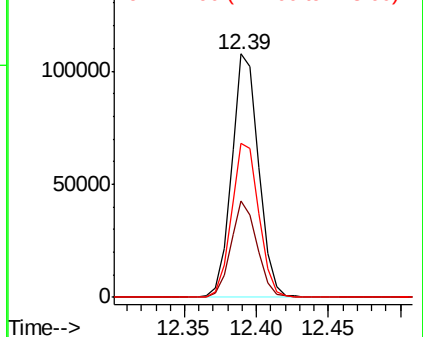


Abundance

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



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.435 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

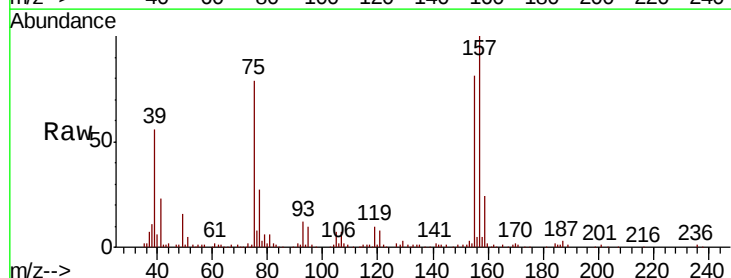
Tgt Ion: 75 Resp: 21897

Ion Ratio Lower Upper

75 100

155 112.0 48.0 144.2

157 124.5 61.4 184.1

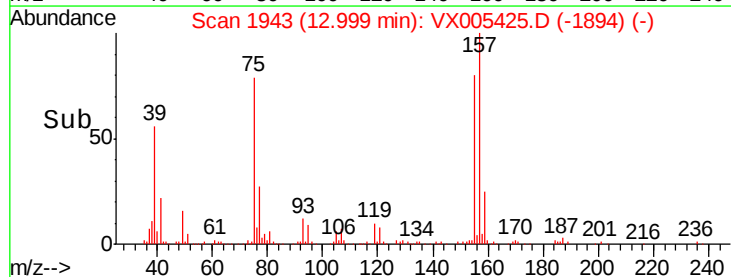
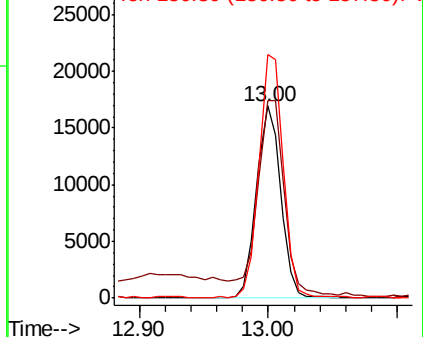


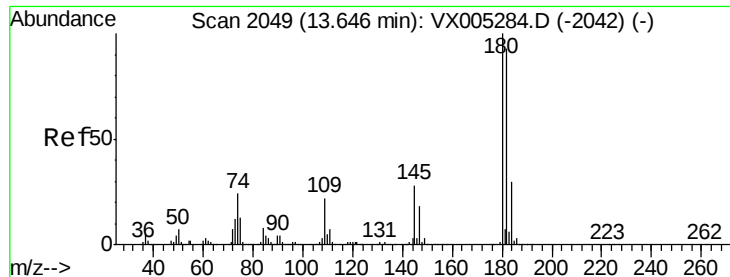
Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

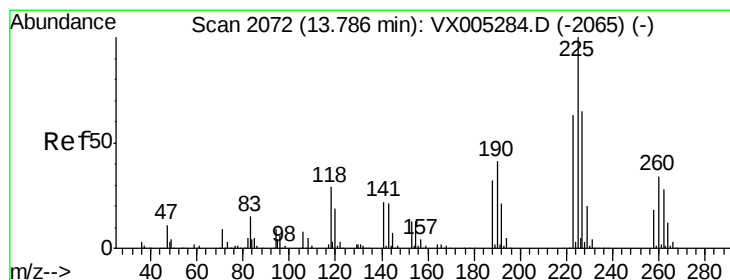
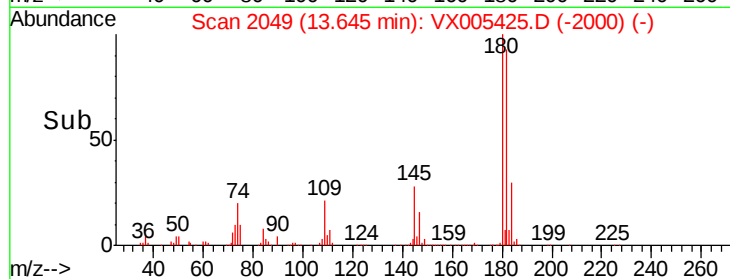
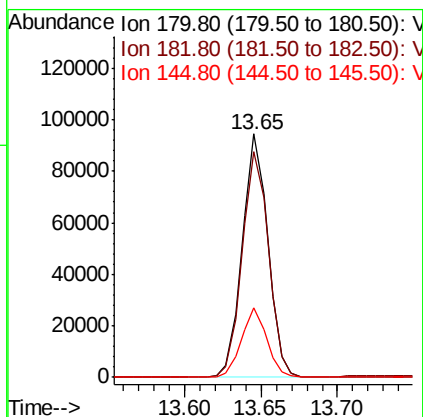
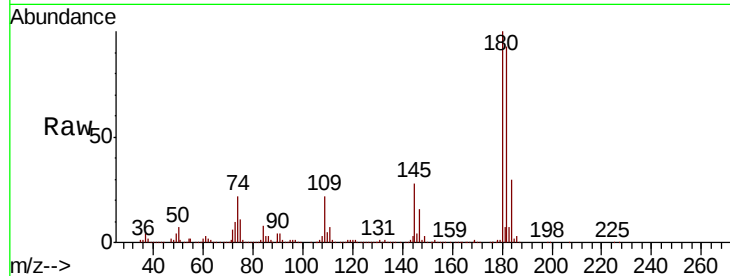




#93
 1,2,4-Trichlorobenzene
 Concen: 21.234 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005425.D
 Acq: 18 Oct 2018 13:03

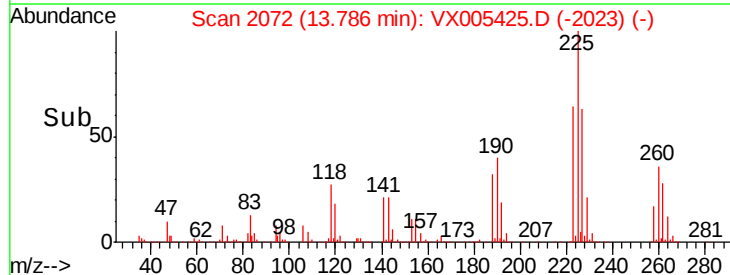
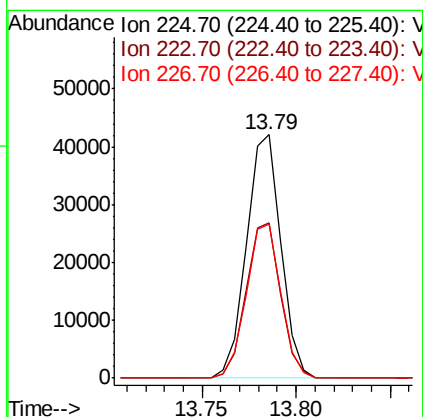
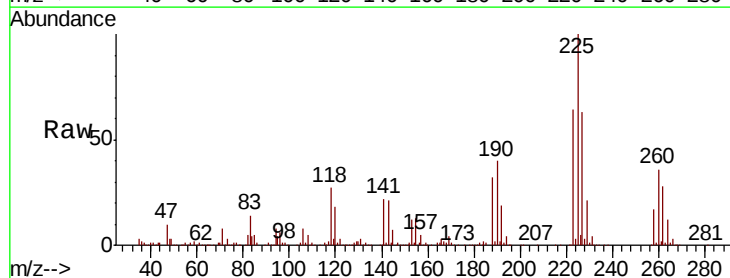
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018WBS01

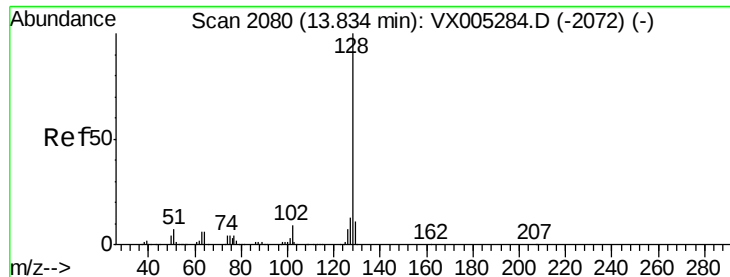
Tot Ion:180 Resp: 109642
 Ion Ratio Lower Upper
 180 100
 182 95.7 48.4 145.0
 145 27.9 14.3 42.9



#94
 Hexachlorobutadiene
 Concen: 19.528 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005425.D
 Acq: 18 Oct 2018 13:03

Tgt Ion:225 Resp: 53255
 Ion Ratio Lower Upper
 225 100
 223 64.0 30.1 90.5
 227 63.6 30.8 92.4





#95

Naphthalene

Concen: 22.721 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBS01

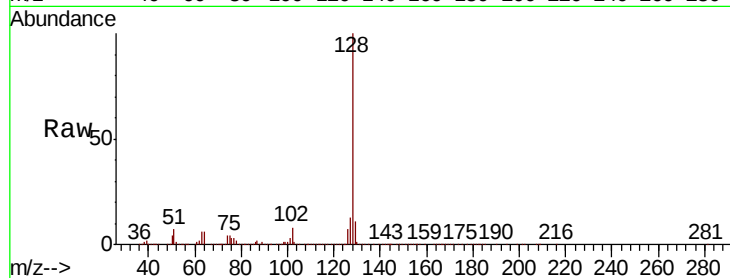
Tot Ion:128 Resp: 340247

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

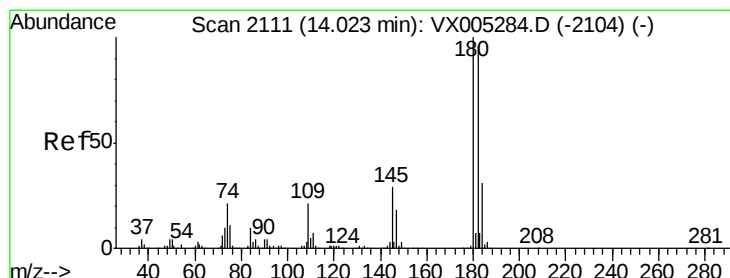
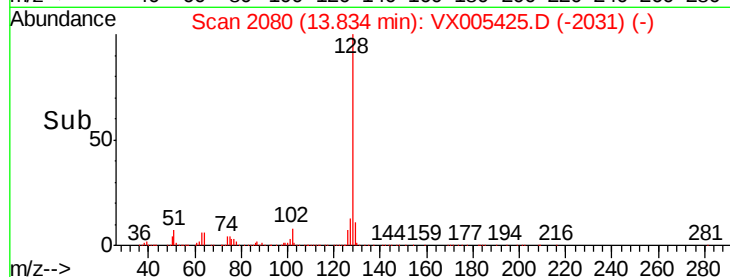
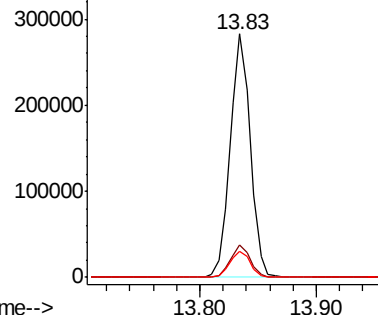
129 10.8 8.6 12.8



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: 21.157 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

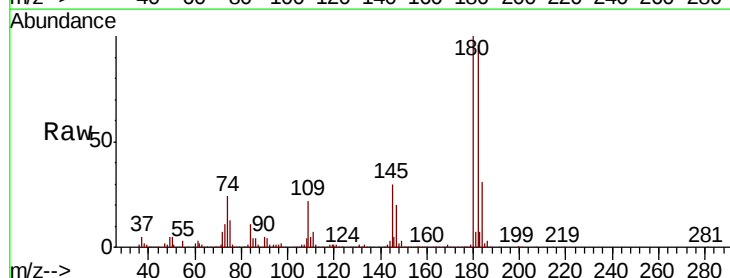
Tgt Ion:180 Resp: 111775

Ion Ratio Lower Upper

180 100

182 95.8 48.5 145.6

145 29.5 14.9 44.9



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

