

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102218\
 Data File : VX005490.D
 Acq On : 23 Oct 2018 00:33
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 23 03:34:41 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	205833	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	302084	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	271969	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	156544	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	123236	53.95	ug/l	0.00
Spiked Amount			Recovery	=	107.90%	
35) Dibromofluoromethane	5.51	113	108259	54.11	ug/l	0.00
Spiked Amount			Recovery	=	108.22%	
50) Toluene-d8	8.71	98	355155	51.71	ug/l	0.00
Spiked Amount			Recovery	=	103.42%	
62) 4-Bromofluorobenzene	11.14	95	135739	52.60	ug/l	0.00
Spiked Amount			Recovery	=	105.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	78052	48.499	ug/l	98
3) Chloromethane	1.32	50	106256	45.565	ug/l	99
4) Vinyl Chloride	1.40	62	107185	45.373	ug/l	100
5) Bromomethane	1.64	94	63777	47.829	ug/l	95
6) Chloroethane	1.71	64	69828	50.050	ug/l	89
7) Trichlorofluoromethane	1.92	101	164148	52.070	ug/l	93
8) Diethyl Ether	2.19	74	70502	52.372	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.38	101	91174	50.109	ug/l	94
10) Methyl Iodide	2.51	142	115826	57.655	ug/l	97
11) Tert butyl alcohol	3.07	59	171054	265.446	ug/l	99
12) 1,1-Dichloroethene	2.37	96	84898	47.093	ug/l	96
13) Acrolein	2.29	56	84788	205.811	ug/l	99
14) Allyl chloride	2.73	41	203781	51.486	ug/l	95
15) Acrylonitrile	3.15	53	390663	267.529	ug/l	98
16) Acetone	2.45	43	351902	266.425	ug/l #	85
17) Carbon Disulfide	2.56	76	238873	43.741	ug/l	96
18) Methyl Acetate	2.78	43	231482	61.601	ug/l	94
19) Methyl tert-butyl Ether	3.21	73	342872	54.002	ug/l #	88
20) Methylene Chloride	2.85	84	105556	54.977	ug/l	89
21) trans-1,2-Dichloroethene	3.17	96	98682	49.394	ug/l #	80
22) Diisopropyl ether	3.87	45	375439	56.474	ug/l	94
23) Vinyl Acetate	3.82	43	1563468	269.075	ug/l	95
24) 1,1-Dichloroethane	3.70	63	195069	51.199	ug/l	98
25) 2-Butanone	4.71	43	546483	282.781	ug/l #	86
26) 2,2-Dichloropropane	4.59	77	122272	42.911	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	109624	50.489	ug/l	97
28) Bromochloromethane	5.02	49	102580	59.060	ug/l	85
29) Tetrahydrofuran	5.15	42	346681	281.235	ug/l	92
30) Chloroform	5.21	83	197700	55.904	ug/l	84
31) Cyclohexane	5.56	56	163911	52.197	ug/l #	74
32) 1,1,1-Trichloroethane	5.50	97	170065	55.268	ug/l	98
36) 1,1-Dichloropropene	5.80	75	139024	47.519	ug/l	100
37) Ethyl Acetate	4.86	43	191212	50.820	ug/l	98
38) Carbon Tetrachloride	5.78	117	142135	48.351	ug/l	92

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 Data File : VX005490.D
 Acq On : 23 Oct 2018 00:33
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 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 23 03:34:41 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	140223	44.284	ug/l	96
40) Benzene	6.15	78	420684	47.933	ug/l	99
41) Methacrylonitrile	5.06	41	110267	54.666	ug/l	94
42) 1,2-Dichloroethane	6.20	62	153091	49.401	ug/l	97
43) Isopropyl Acetate	6.46	43	283023	56.469	ug/l	97
44) Trichloroethene	7.21	130	113155	50.501	ug/l	94
45) 1,2-Dichloropropane	7.52	63	106118	49.292	ug/l	100
46) Dibromomethane	7.66	93	69643	49.014	ug/l	98
47) Bromodichloromethane	7.90	83	137058	52.148	ug/l	100
48) Methyl methacrylate	7.77	41	140679	54.119	ug/l	93
49) 1,4-Dioxane	7.75	88	59519	992.709	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	979863	282.352	ug/l	93
52) Toluene	8.79	92	244234	50.866	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	148991	52.382	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	157799	51.202	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	104640	51.453	ug/l	98
56) Ethyl methacrylate	9.18	69	163525	55.157	ug/l	92
57) 1,3-Dichloropropane	9.37	76	176555	52.014	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	467560	281.209	ug/l	93
59) 2-Hexanone	9.50	43	782450	280.290	ug/l	92
60) Dibromochloromethane	9.59	129	111998	53.277	ug/l	99
61) 1,2-Dibromoethane	9.67	107	109519	51.314	ug/l	100
64) Tetrachloroethene	9.34	164	114612	52.346	ug/l	98
65) Chlorobenzene	10.14	112	280417	48.472	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	106637	51.726	ug/l	98
67) Ethyl Benzene	10.25	91	479560	50.992	ug/l	96
68) m/p-Xylenes	10.36	106	371905	101.884	ug/l	94
69) o-Xylene	10.70	106	178606	50.734	ug/l	96
70) Styrene	10.71	104	305930	52.833	ug/l	96
71) Bromoform	10.86	173	93775	50.901	ug/l #	99
73) Isopropylbenzene	11.02	105	490939	52.755	ug/l	99
74) N-amyl acetate	10.90	43	247444	55.129	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	177034	50.430	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	204852	67.463	ug/l	87
77) Bromobenzene	11.26	156	132125	49.655	ug/l	98
78) n-propylbenzene	11.36	91	564366	52.701	ug/l	99
79) 2-Chlorotoluene	11.42	91	342270	52.187	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	423445	53.135	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	49182	49.214	ug/l	100
82) 4-Chlorotoluene	11.51	91	403412	51.889	ug/l	98
83) tert-Butylbenzene	11.77	119	415711	51.513	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	434135	52.936	ug/l	97
85) sec-Butylbenzene	11.94	105	503336	52.704	ug/l	98
86) p-Isopropyltoluene	12.07	119	451159	52.266	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	245907	49.457	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	249152	48.983	ug/l	99
89) n-Butylbenzene	12.39	91	400213	51.064	ug/l	97
90) Hexachloroethane	12.60	117	72689	48.862	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	251071	49.483	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	44134	51.539	ug/l	96

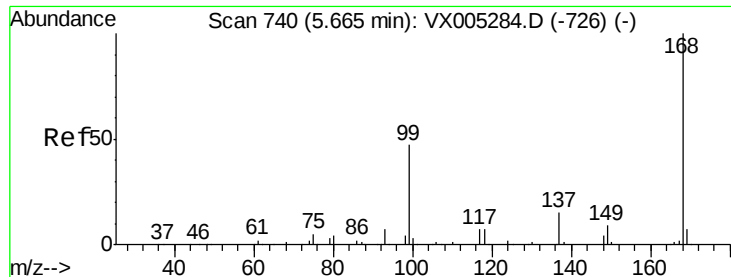
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102218\
Data File : VX005490.D
Acq On : 23 Oct 2018 00:33
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ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Oct 23 03:34:41 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	187769	50.440	ug/l	99
94) Hexachlorobutadiene	13.79	225	90956	46.262	ug/l	95
95) Naphthalene	13.83	128	593819	55.004	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	194795	51.141	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

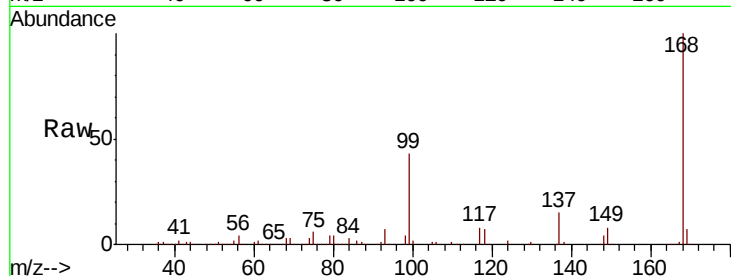
VSTDCCC050

Tot Ion:168 Resp: 205833

Ion Ratio Lower Upper

168 100

99 42.8 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

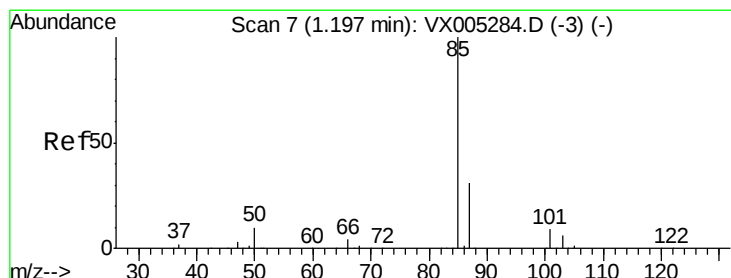
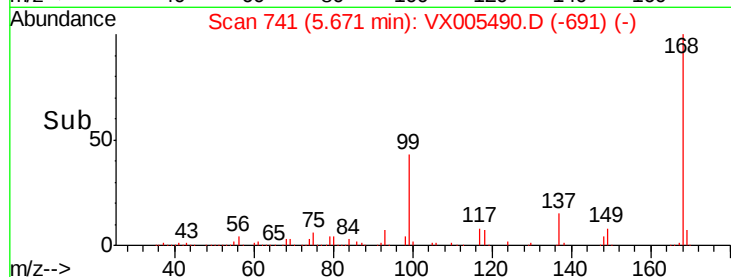
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 48.499 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005490.D

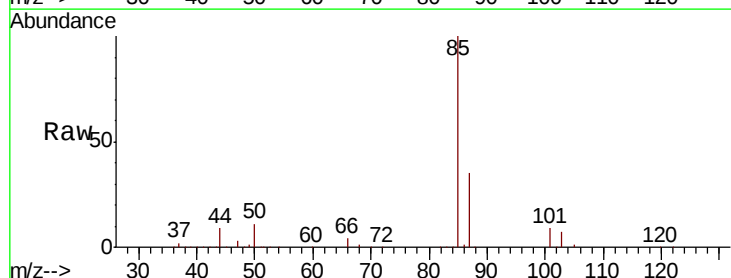
Acq: 23 Oct 2018 00:33

Tgt Ion: 85 Resp: 78052

Ion Ratio Lower Upper

85 100

87 34.9 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

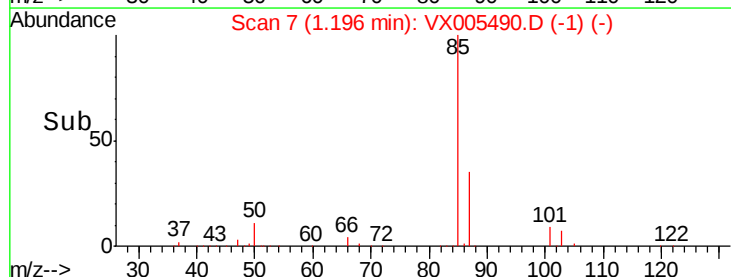
60000

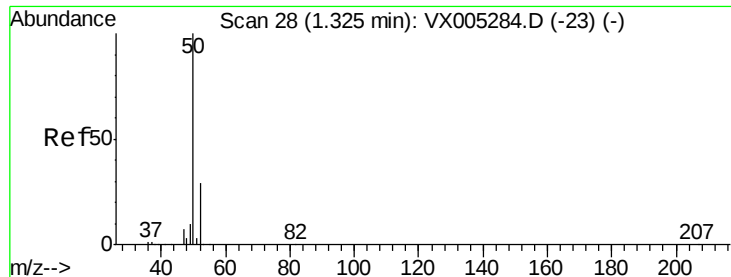
40000

20000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 45.565 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

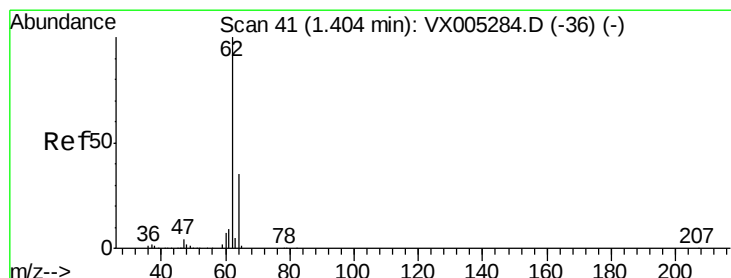
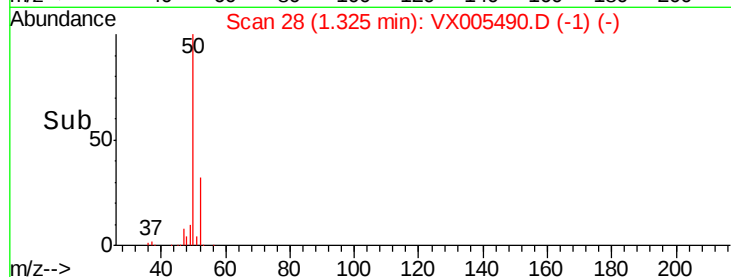
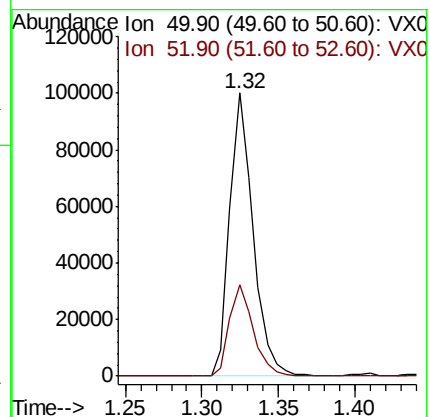
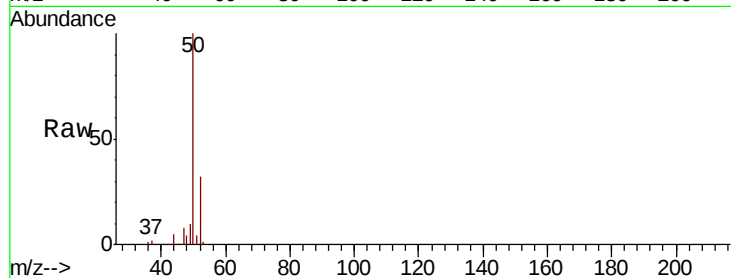
VSTDCCC050

Tot Ion: 50 Resp: 106256

Ion Ratio Lower Upper

50 100

52 32.4 26.2 39.2



#4

Vinyl Chloride

Concen: 45.373 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005490.D

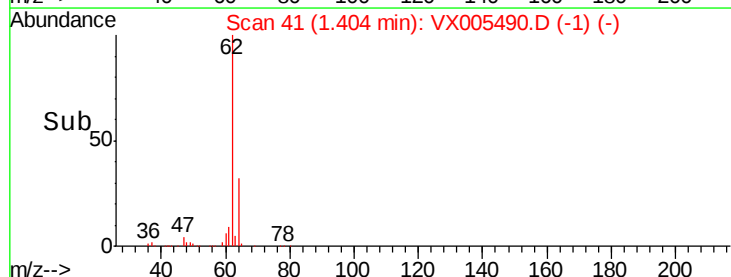
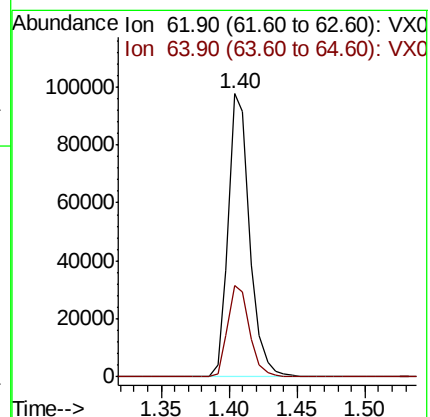
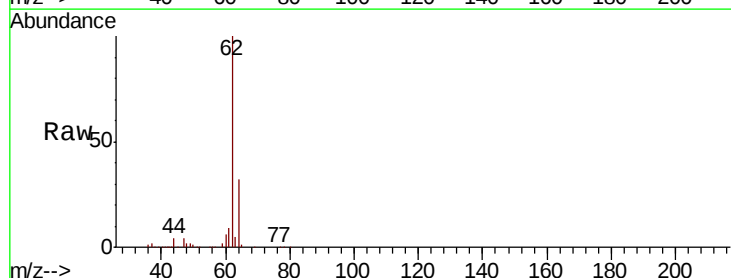
Acq: 23 Oct 2018 00:33

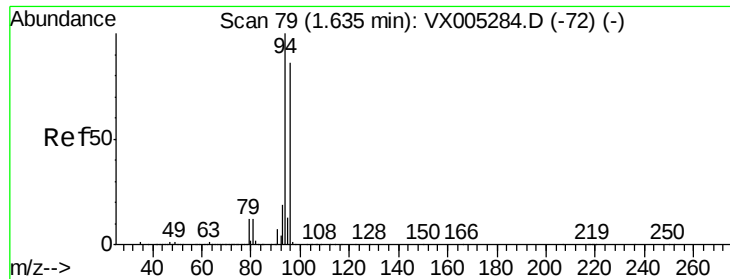
Tgt Ion: 62 Resp: 107185

Ion Ratio Lower Upper

62 100

64 32.1 25.8 38.8





#5

Bromomethane

Concen: 47.829 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

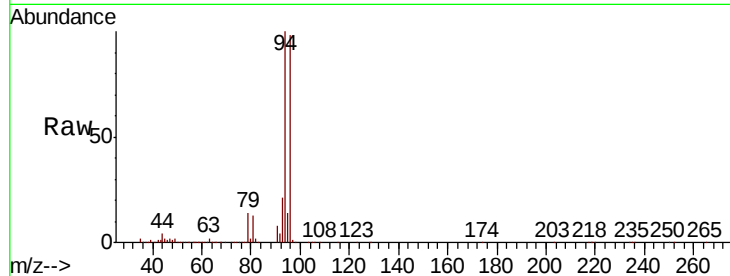
VSTDCCC050

Tot Ion: 94 Resp: 63777

Ion Ratio Lower Upper

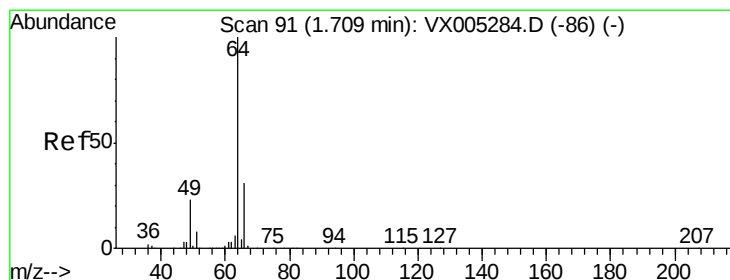
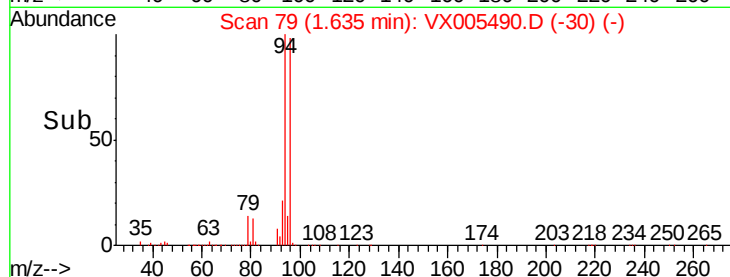
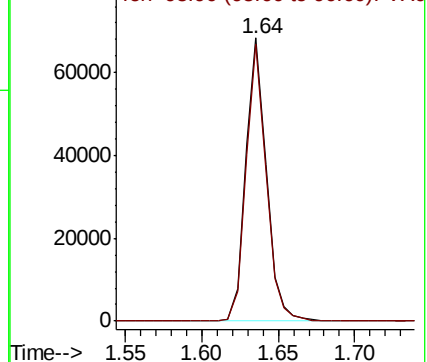
94 100

96 98.0 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: 50.050 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005490.D

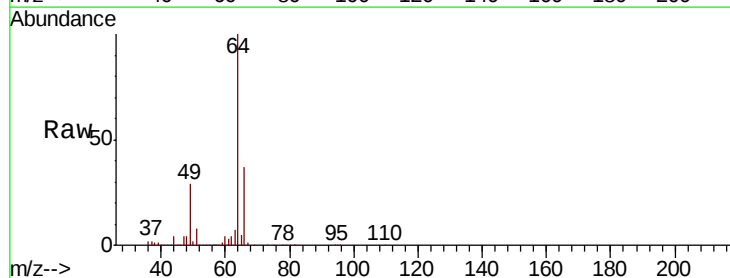
Acq: 23 Oct 2018 00:33

Tgt Ion: 64 Resp: 69828

Ion Ratio Lower Upper

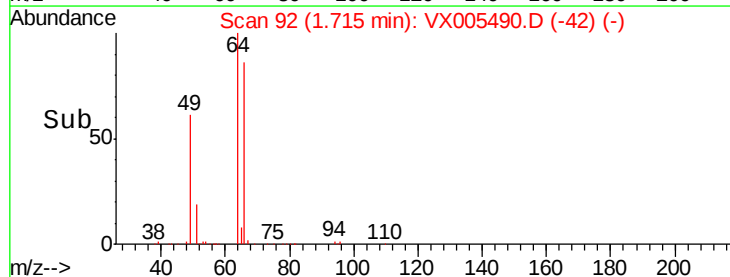
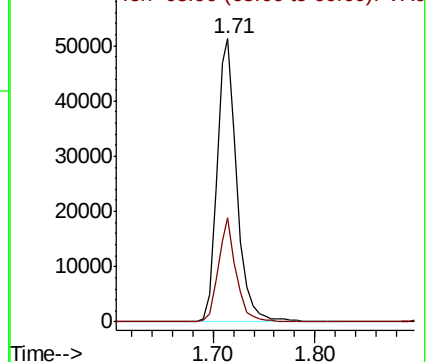
64 100

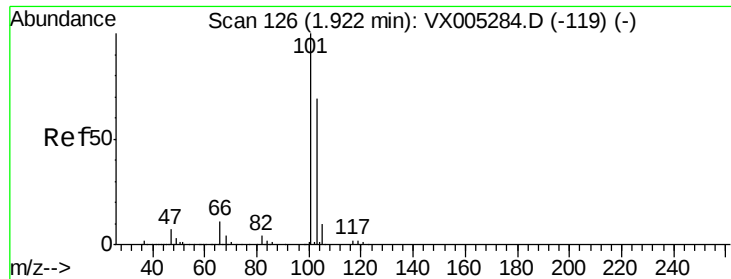
66 36.7 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



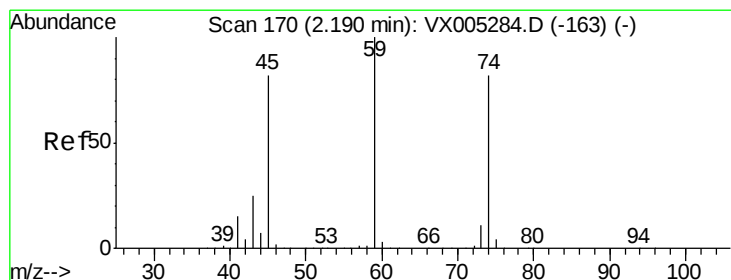
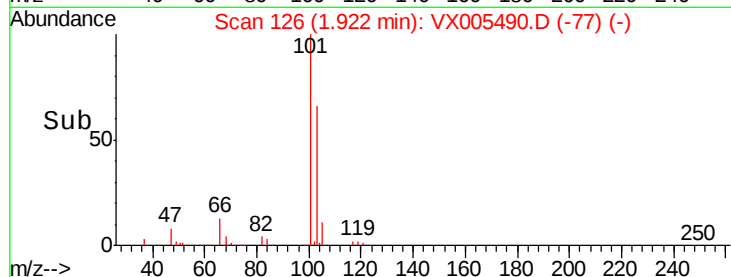
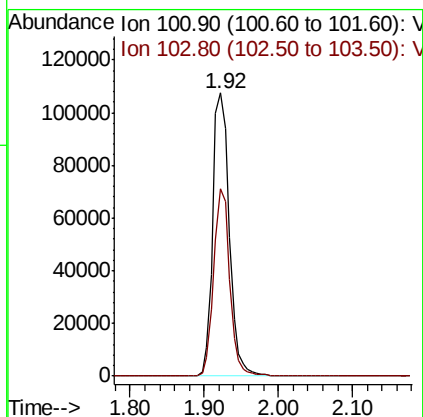
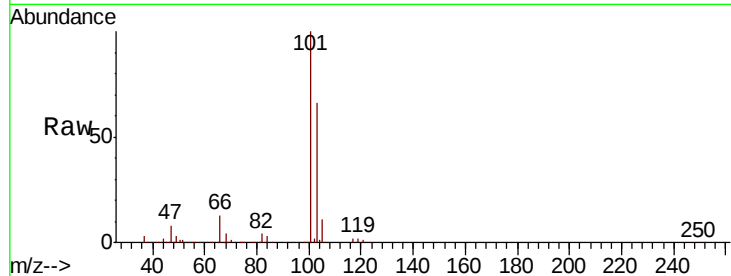


#7

Trichlorofluoromethane
Concen: 52.070 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

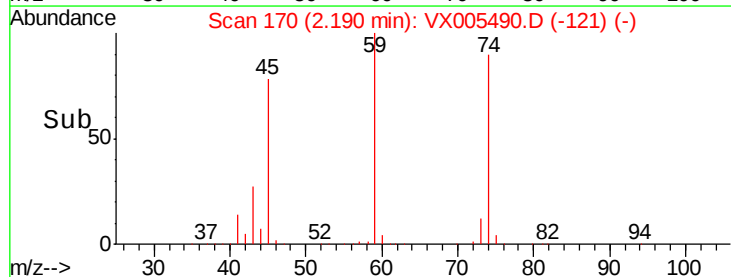
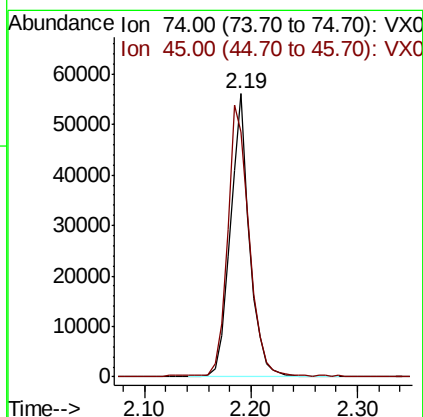
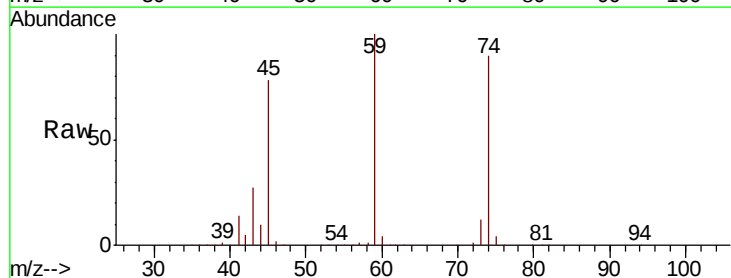
Tot Ion:101 Resp: 164148
Ion Ratio Lower Upper
101 100
103 66.1 48.9 73.3

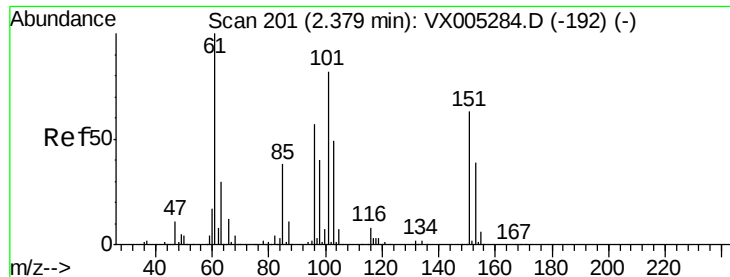


#8

Diethyl Ether
Concen: 52.372 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Tgt Ion: 74 Resp: 70502
Ion Ratio Lower Upper
74 100
45 107.5 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.109 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

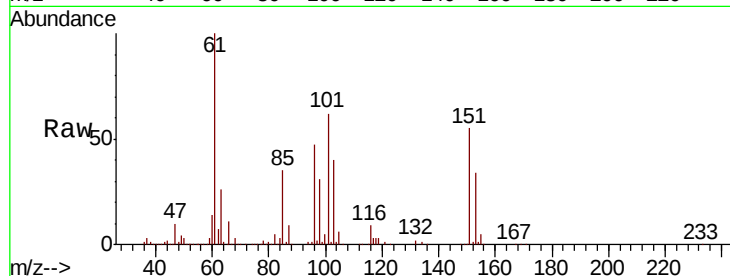
Tot Ion:101 Resp: 91174

Ion Ratio Lower Upper

101 100

85 47.9 34.2 51.4

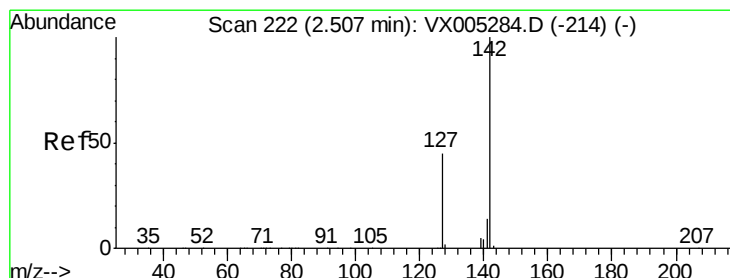
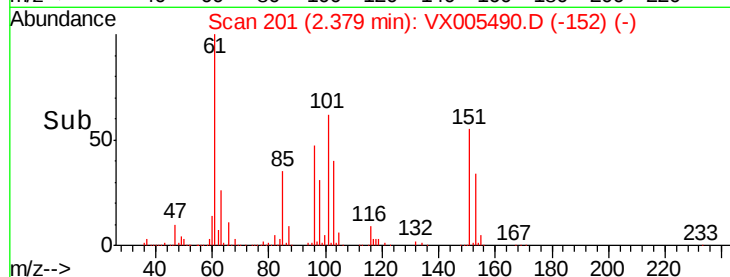
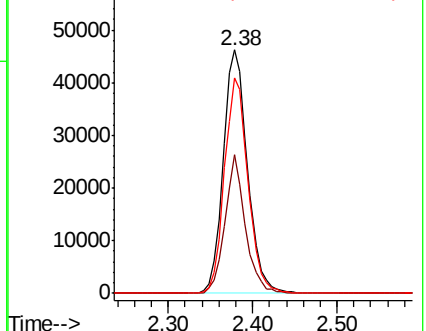
151 86.0 65.0 97.6



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: 57.655 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

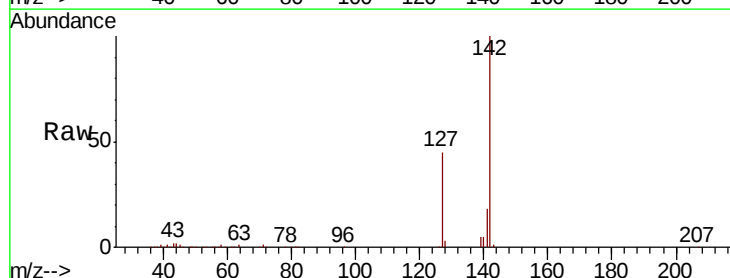
Tgt Ion:142 Resp: 115826

Ion Ratio Lower Upper

142 100

127 44.4 33.8 50.6

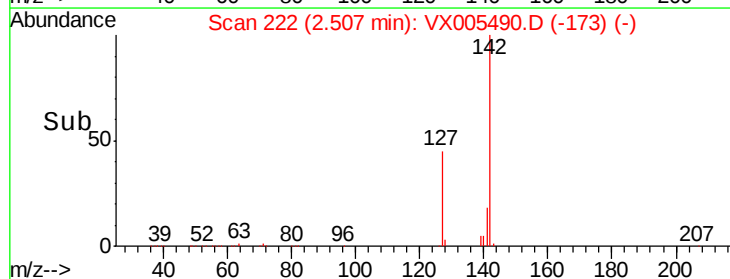
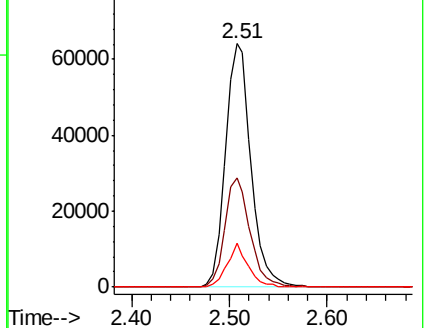
141 15.0 11.4 17.0

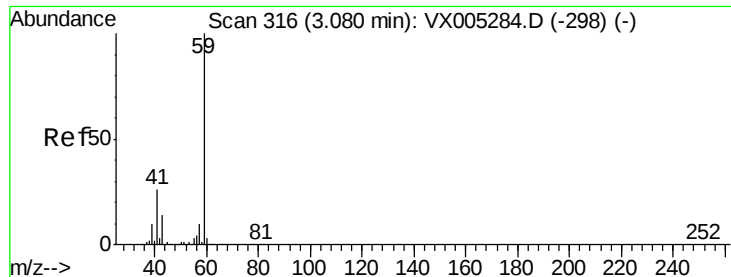


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

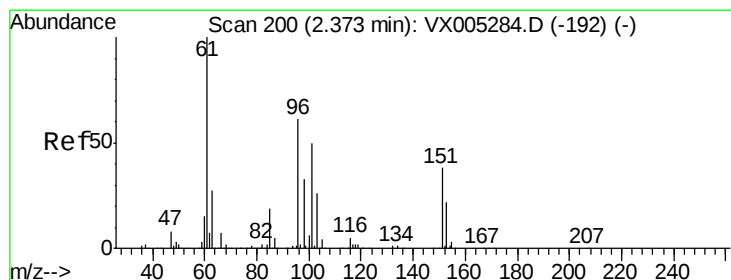
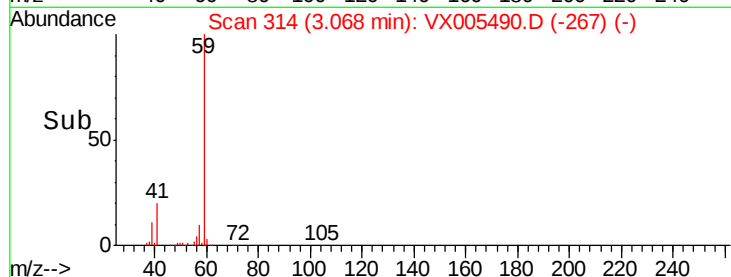
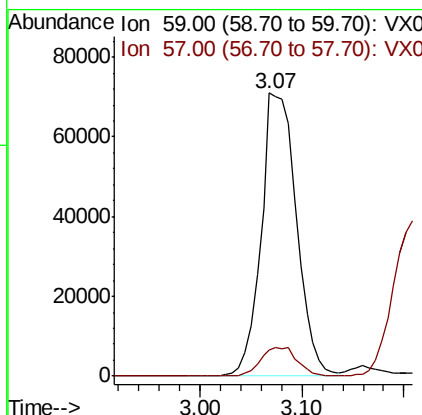
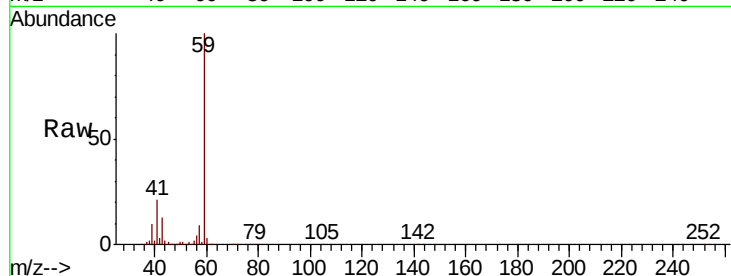




#11
Tert butyl alcohol
Concen: 265.446 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

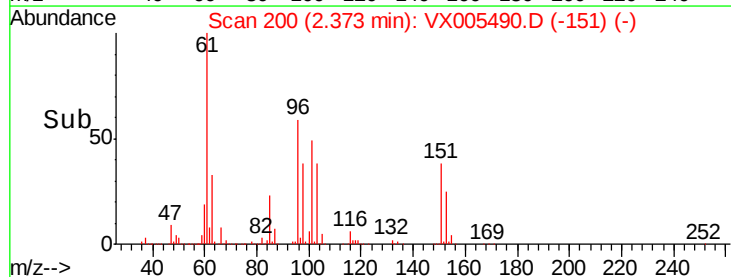
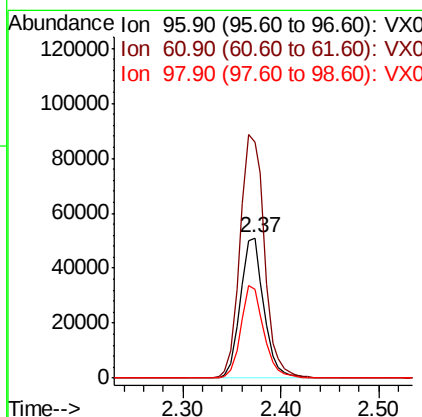
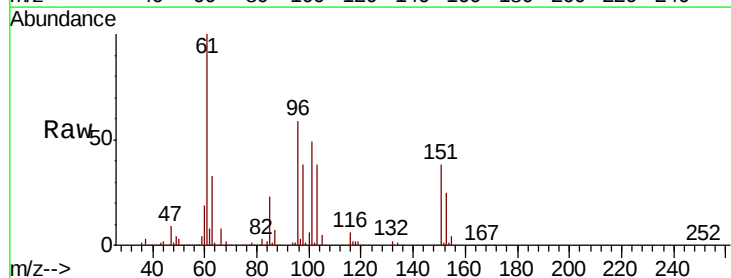
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

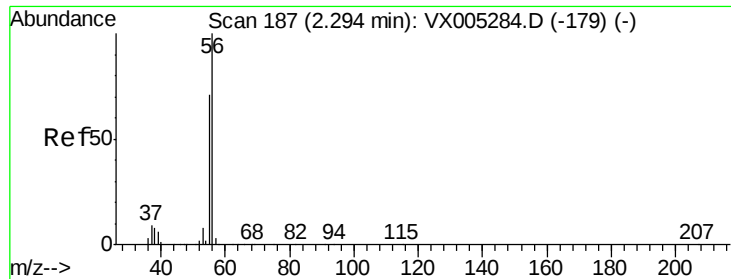
Tot Ion: 59 Resp: 171054
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.4



#12
1,1-Dichloroethene
Concen: 47.093 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Tgt Ion: 96 Resp: 84898
Ion Ratio Lower Upper
96 100
61 168.3 128.8 193.2
98 63.7 52.2 78.2

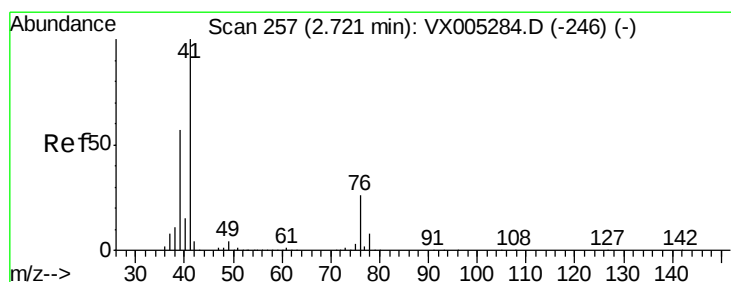
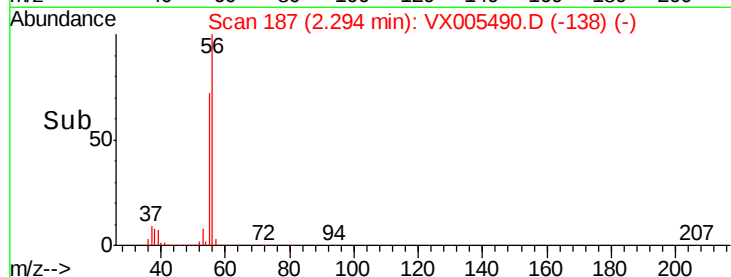
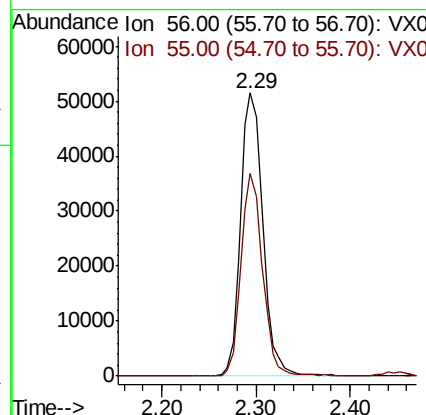
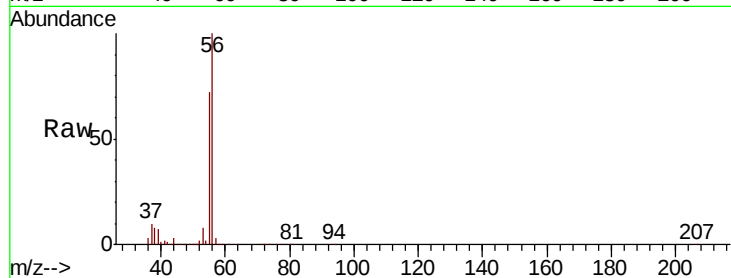




#13
Acrolein
Concen: 205.811 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

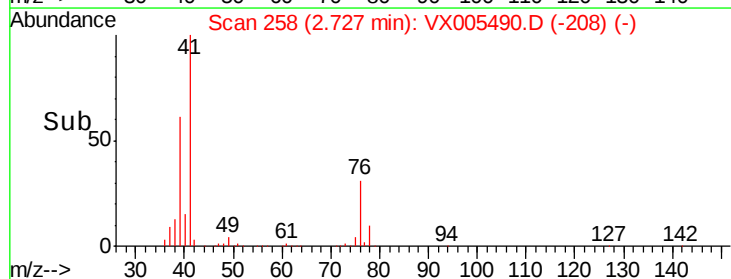
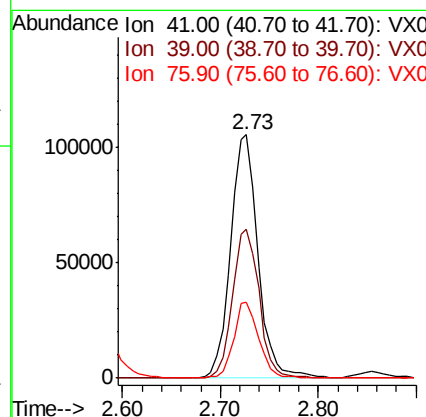
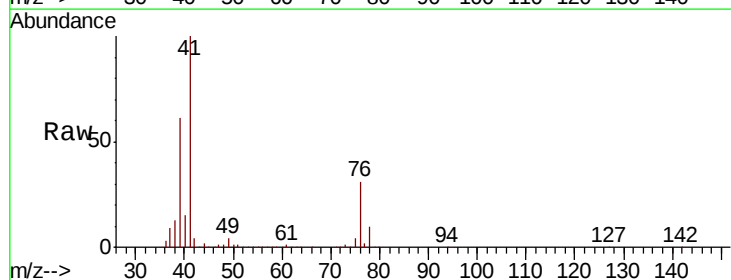
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 84788
Ion Ratio Lower Upper
56 100
55 69.2 54.7 82.1



#14
Allyl chloride
Concen: 51.486 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.01 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Tgt Ion: 41 Resp: 203781
Ion Ratio Lower Upper
41 100
39 59.2 48.9 73.3
76 28.7 26.7 40.1





#15

Acrylonitrile

Concen: 267.529 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

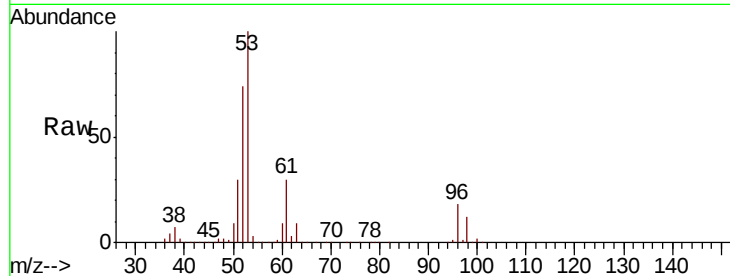
Tot Ion: 53 Resp: 390663

Ion Ratio Lower Upper

53 100

52 80.2 65.2 97.8

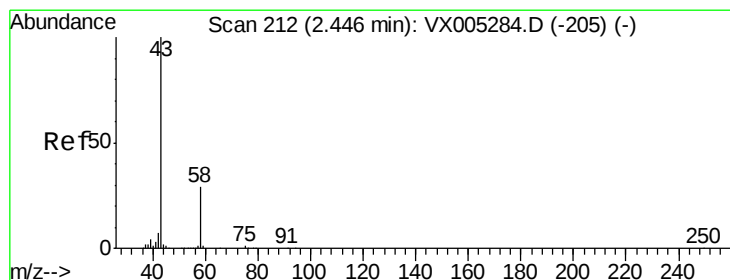
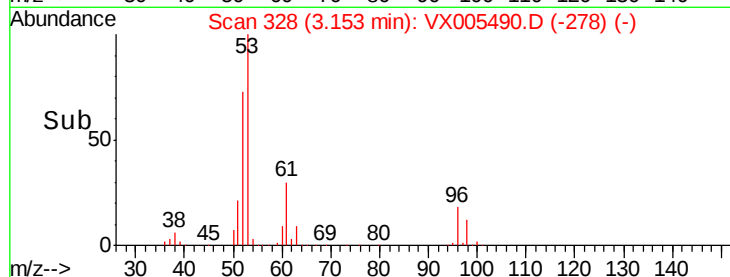
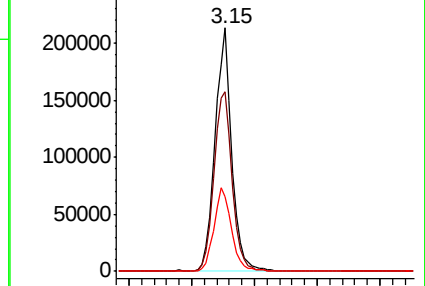
51 36.2 28.2 42.2



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: 266.425 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX005490.D

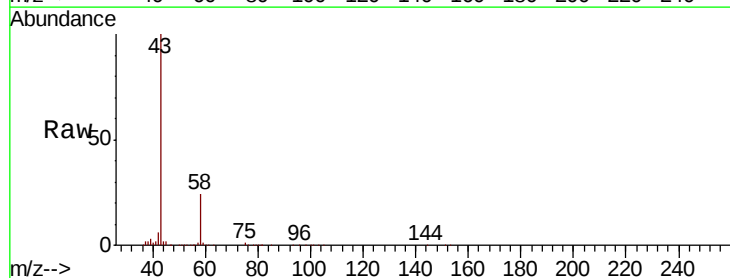
Acq: 23 Oct 2018 00:33

Tgt Ion: 43 Resp: 351902

Ion Ratio Lower Upper

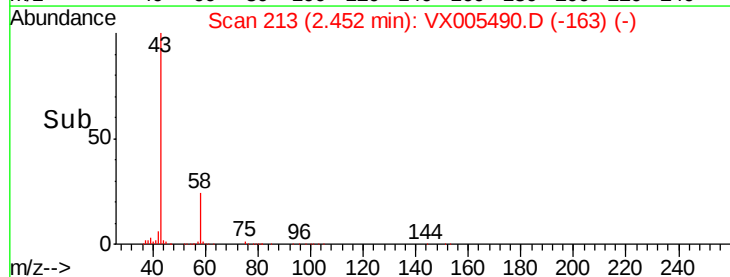
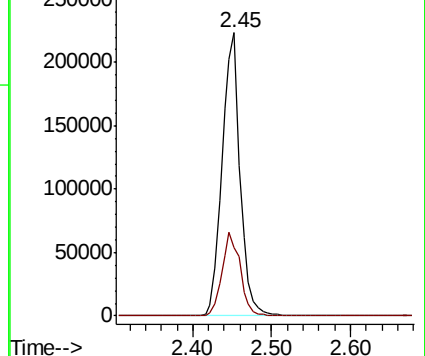
43 100

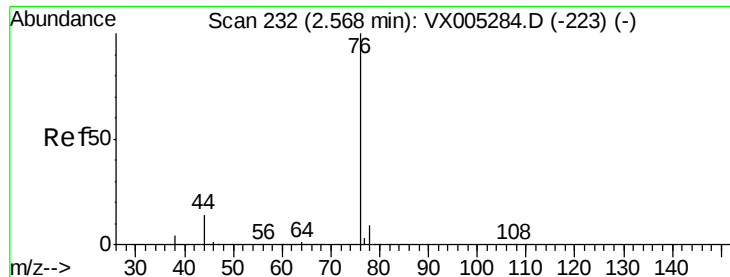
58 24.2 26.2 39.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

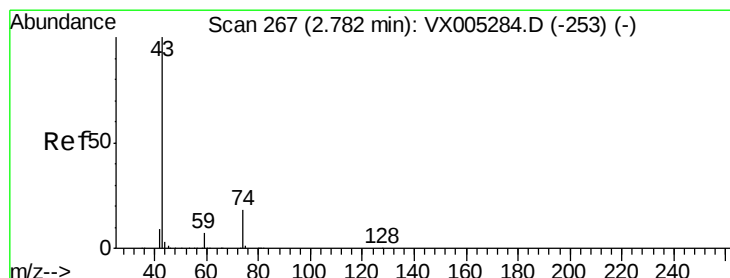
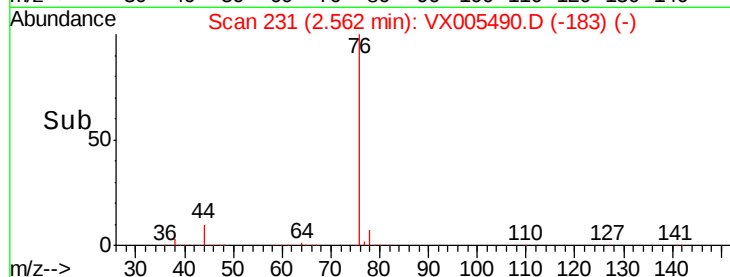
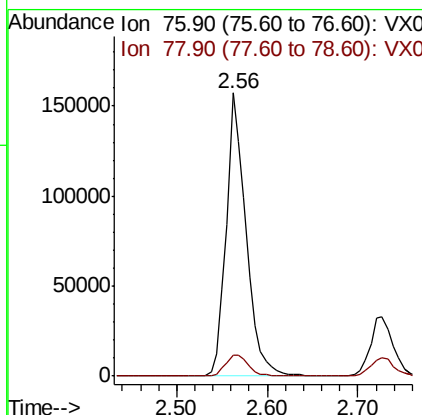
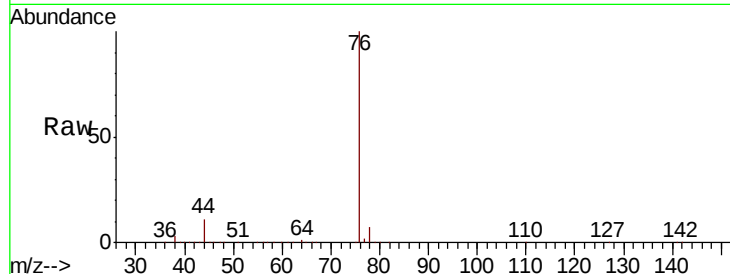




#17
Carbon Disulfide
Concen: 43.741 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

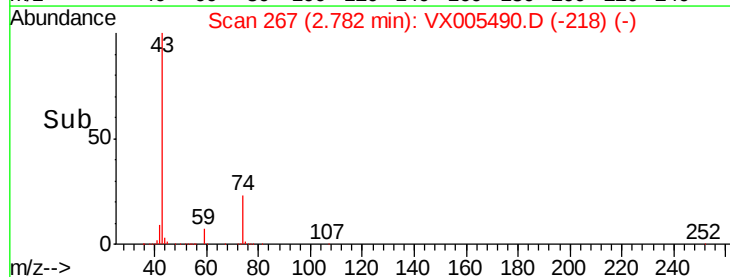
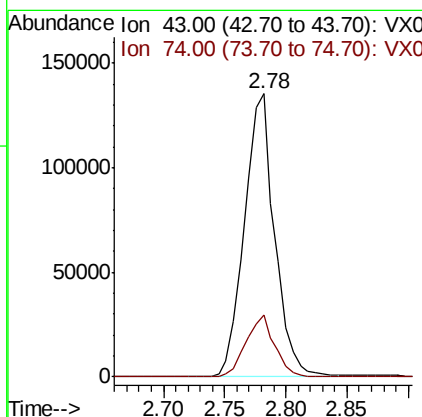
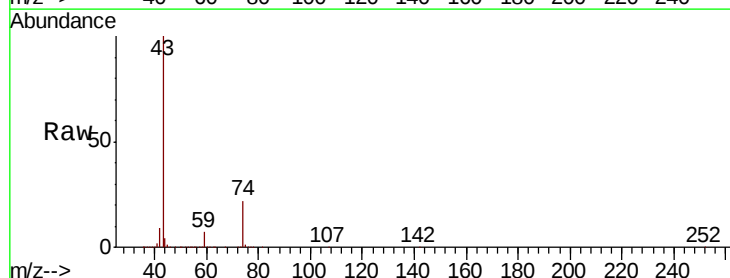
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

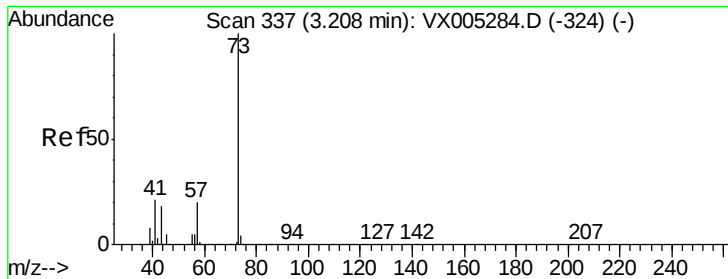
Tot Ion: 76 Resp: 238873
Ion Ratio Lower Upper
76 100
78 7.2 7.0 10.6



#18
Methyl Acetate
Concen: 61.601 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Tgt Ion: 43 Resp: 231482
Ion Ratio Lower Upper
43 100
74 21.4 19.4 29.2

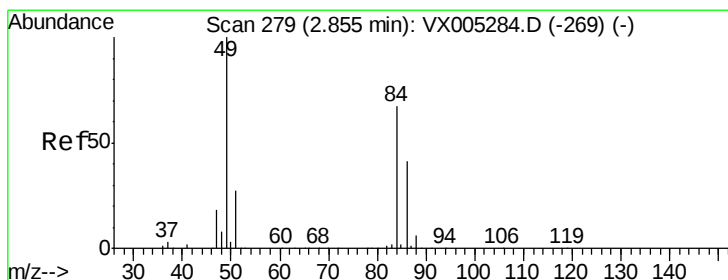
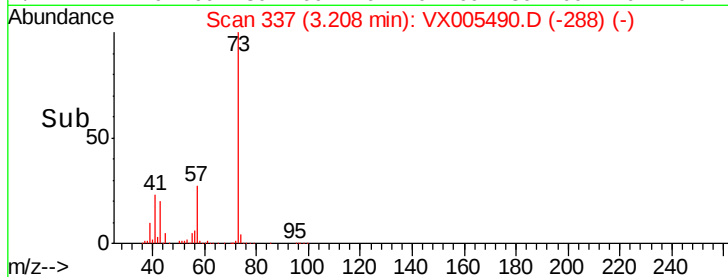
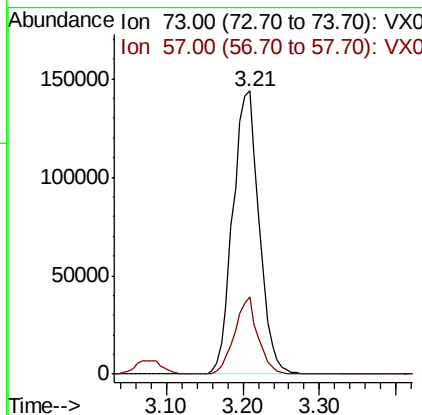
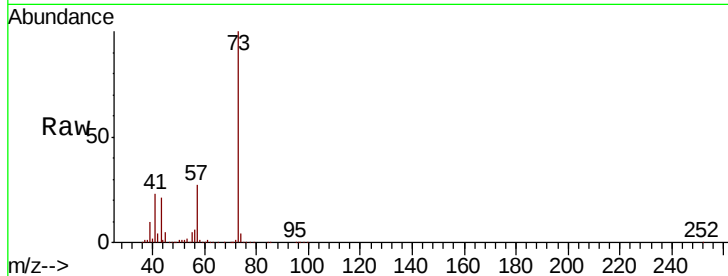




#19
Methvl tert-butvl Ether
Concen: 54.002 ug/l
RT: 3.21 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

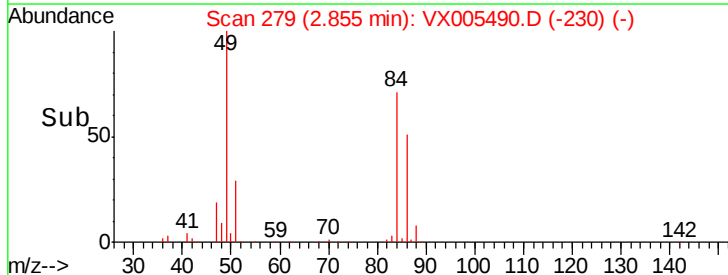
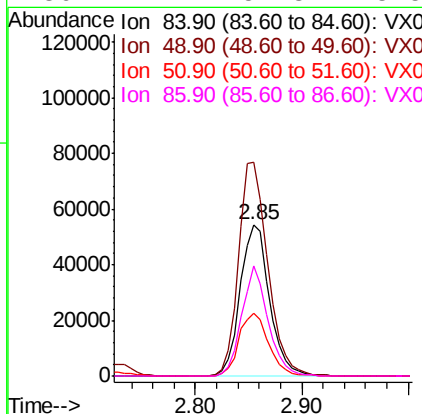
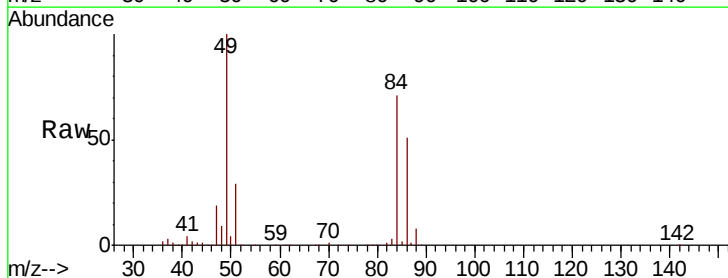
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 342872
Ion Ratio Lower Upper
73 100
57 27.2 17.1 25.7#



#20
Methylene Chloride
Concen: 54.977 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Tgt Ion: 84 Resp: 105556
Ion Ratio Lower Upper
84 100
49 141.1 101.2 151.8
51 41.0 29.5 44.3
86 72.4 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 49.394 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

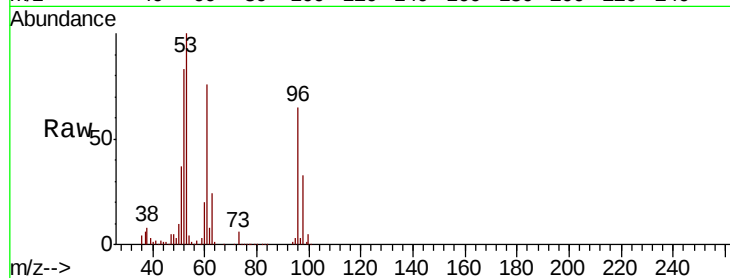
Tot Ion: 96 Resp: 98682

Ion Ratio Lower Upper

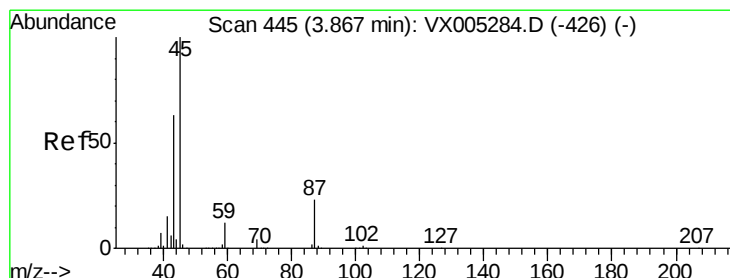
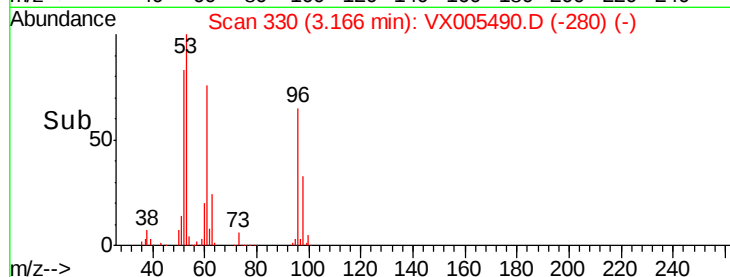
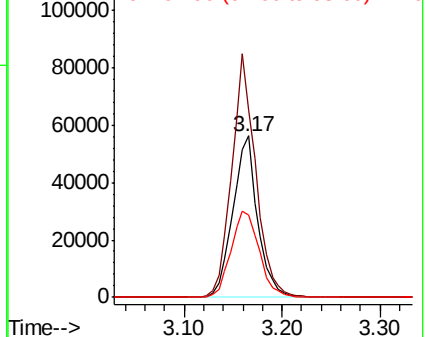
96 100

61 116.5 113.8 170.6

98 50.7 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: 56.474 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Tgt Ion: 45 Resp: 375439

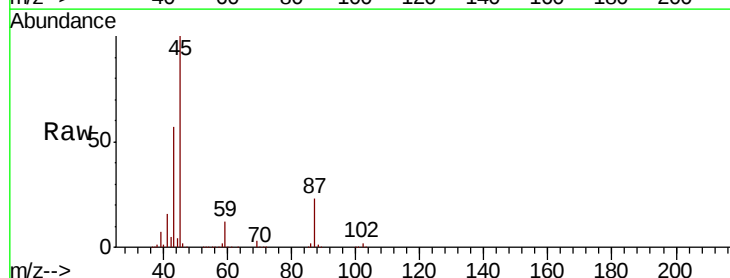
Ion Ratio Lower Upper

45 100

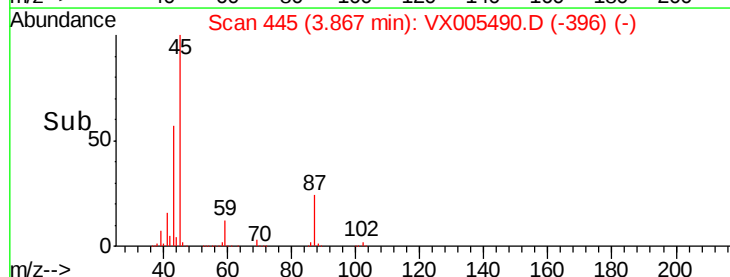
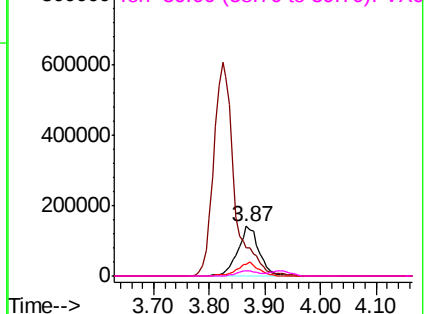
43 57.0 42.8 64.2

87 23.5 22.6 34.0

59 11.6 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: 269.075 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

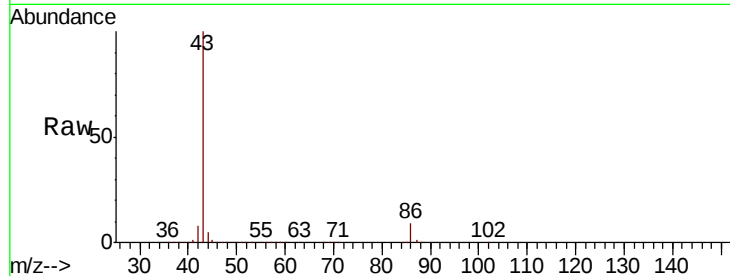
VSTDCCC050

Tot Ion: 43 Resp: 1563468

Ion Ratio Lower Upper

43 100

86 9.3 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

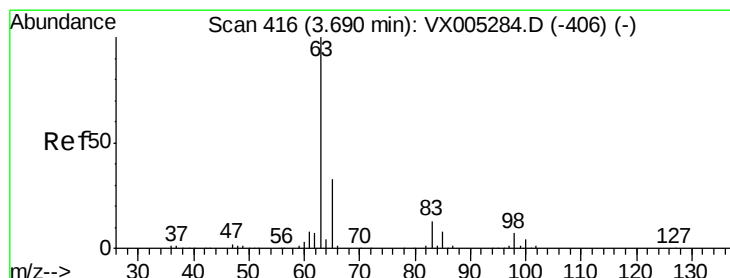
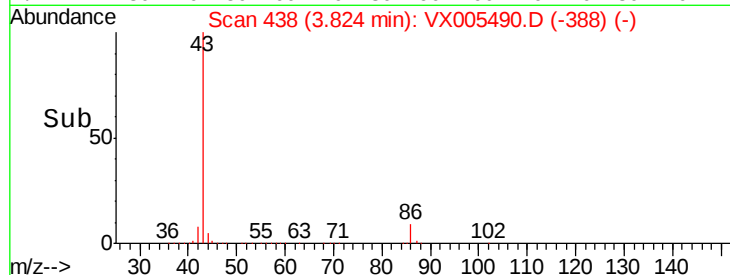
600000

400000

200000

0

Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 51.199 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

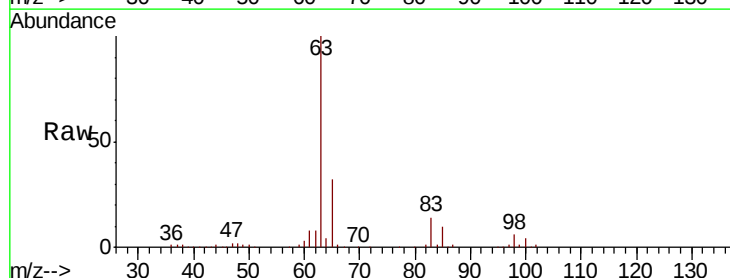
Tgt Ion: 63 Resp: 195069

Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.4

100 4.2 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

100000

80000

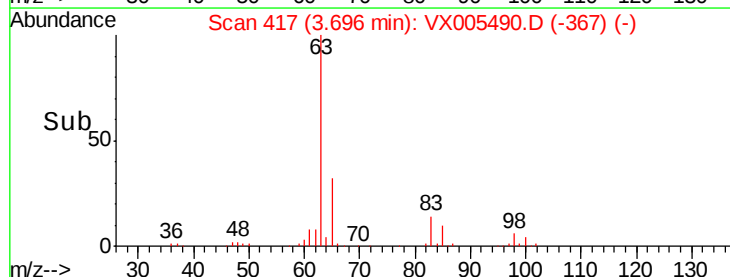
60000

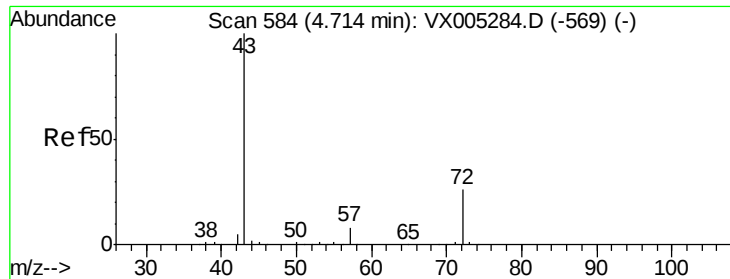
40000

20000

0

Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 282.781 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.01 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

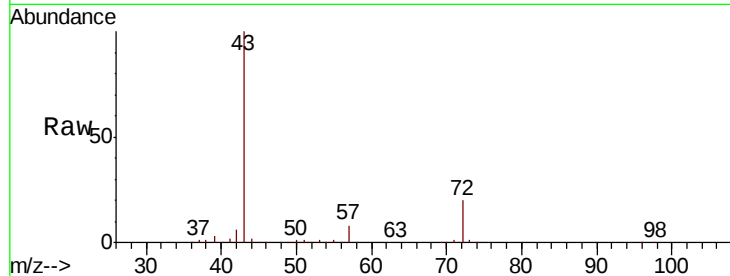
VSTDCCC050

Tot Ion: 43 Resp: 546483

Ion Ratio Lower Upper

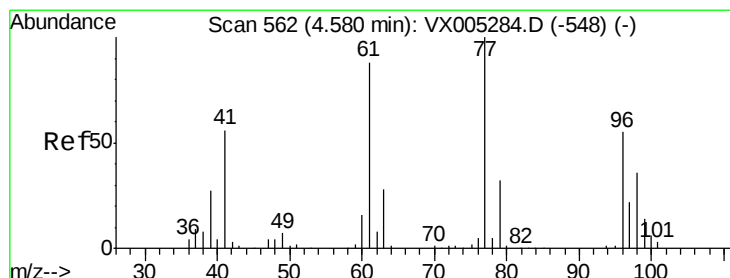
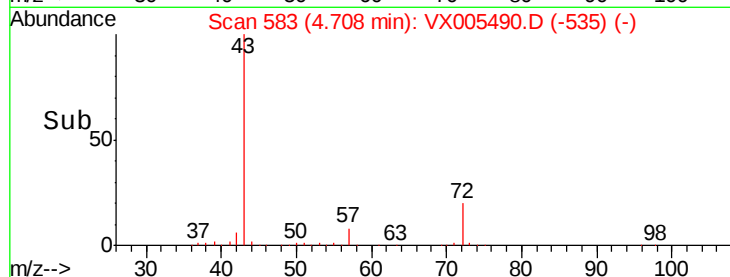
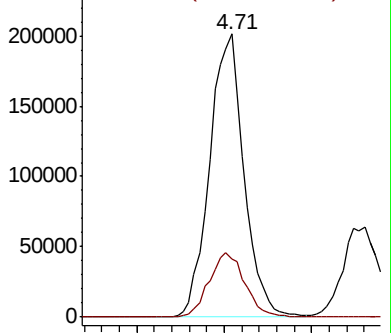
43 100

72 20.3 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: 42.911 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005490.D

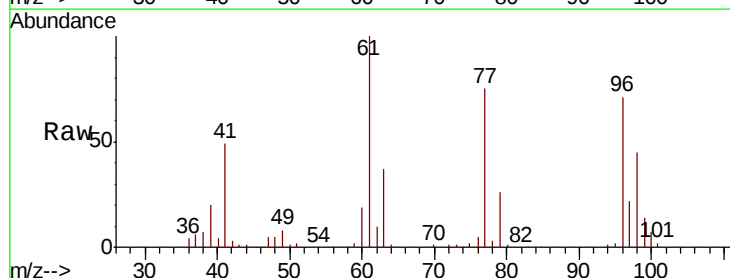
Acq: 23 Oct 2018 00:33

Tgt Ion: 77 Resp: 122272

Ion Ratio Lower Upper

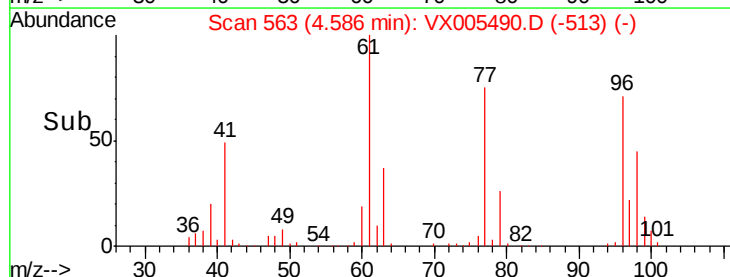
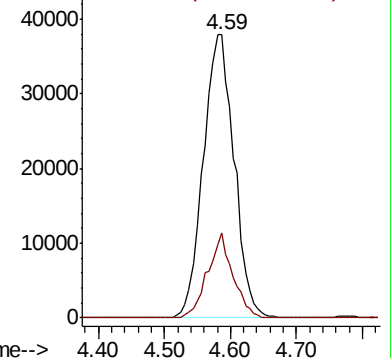
77 100

97 24.8 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



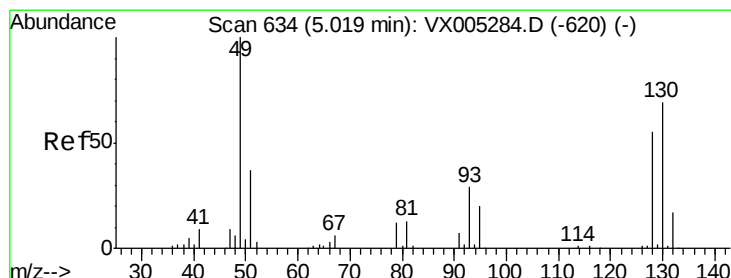
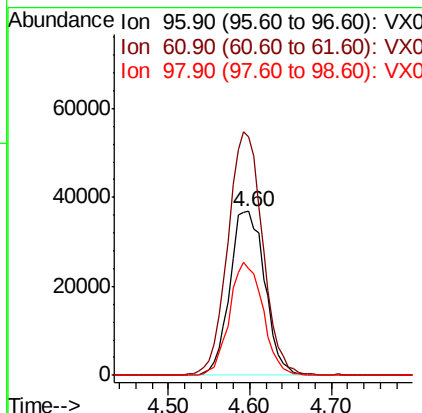
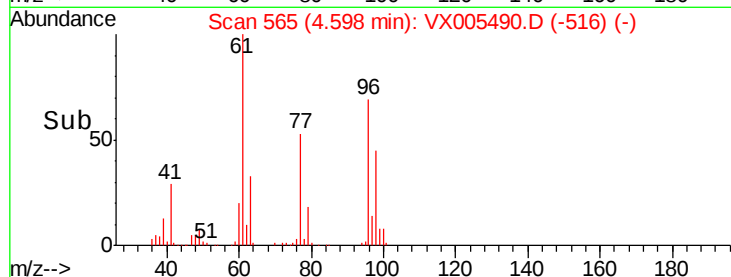
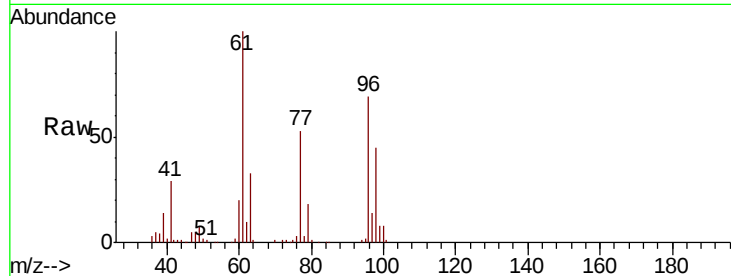


#27

cis-1,2-Dichloroethene
Concen: 50.489 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

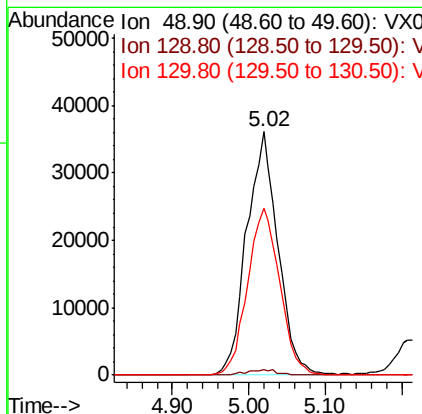
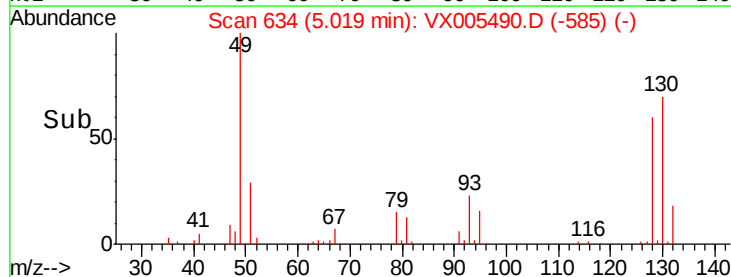
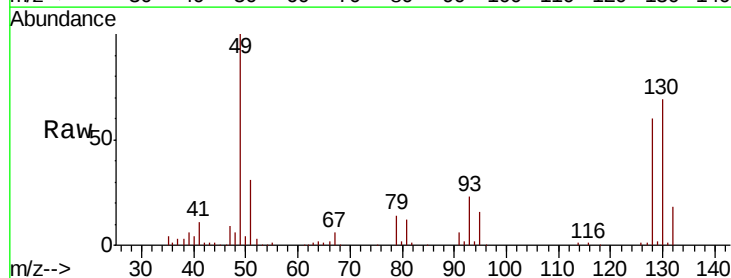
Tot Ion	Ratio	Lower	Upper
96	100		
61	146.4	0.0	282.6
98	65.8	0.0	130.2

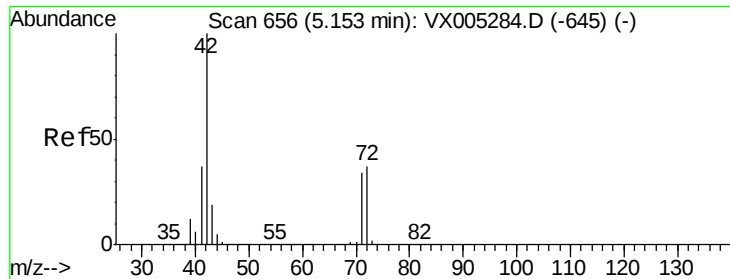


#28

Bromochloromethane
Concen: 59.060 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	70.7	67.5	101.3





#29

Tetrahydrofuran

Concen: 281.235 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

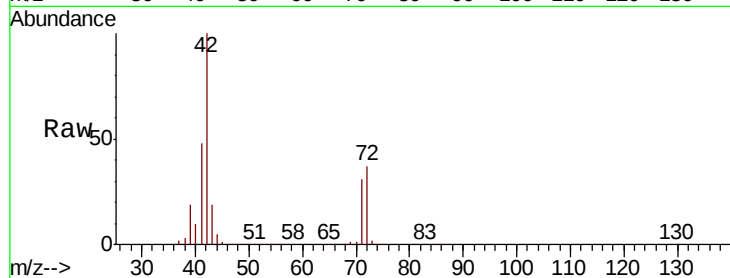
Tot Ion: 42 Resp: 346681

Ion Ratio Lower Upper

42 100

72 40.7 37.4 56.0

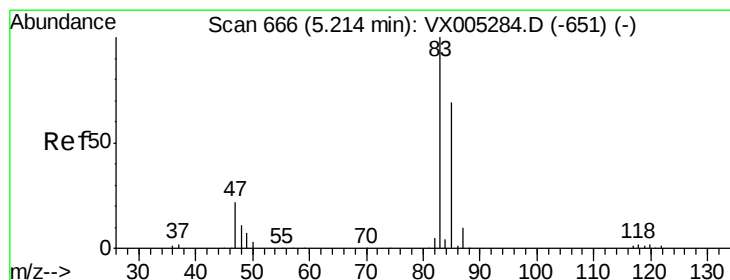
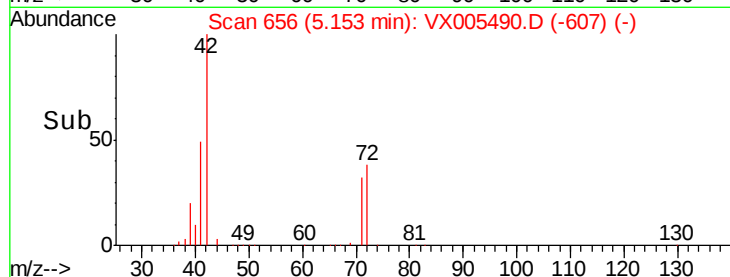
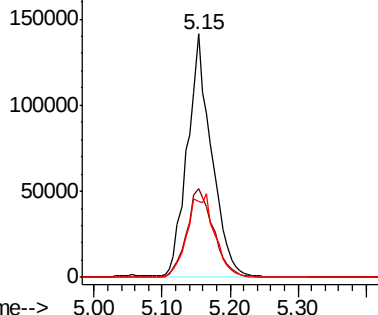
71 39.2 34.5 51.7



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: 55.904 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX005490.D

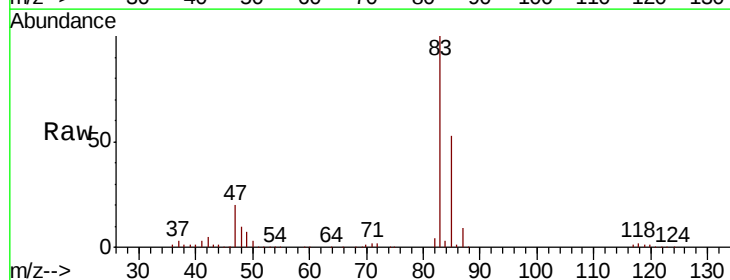
Acq: 23 Oct 2018 00:33

Tgt Ion: 83 Resp: 197700

Ion Ratio Lower Upper

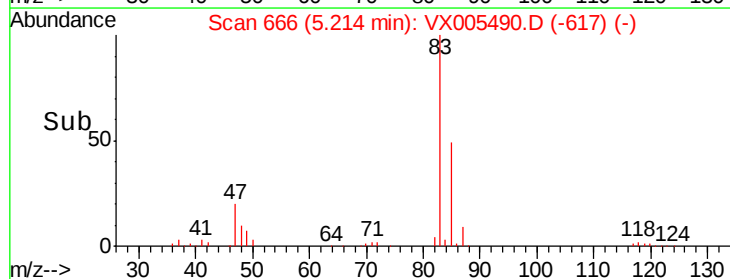
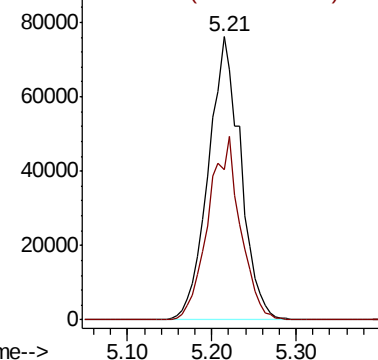
83 100

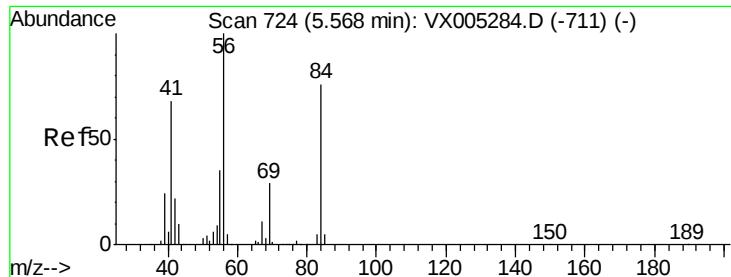
85 53.1 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

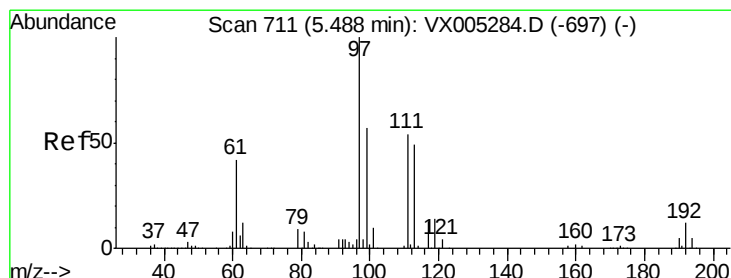
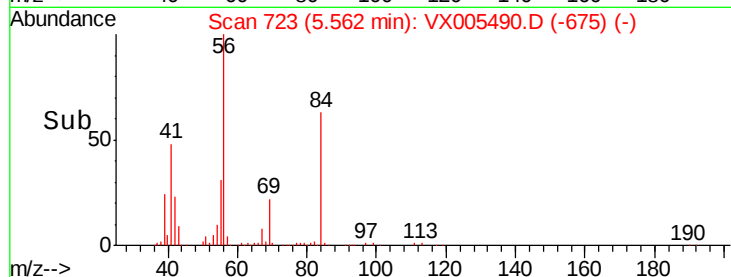
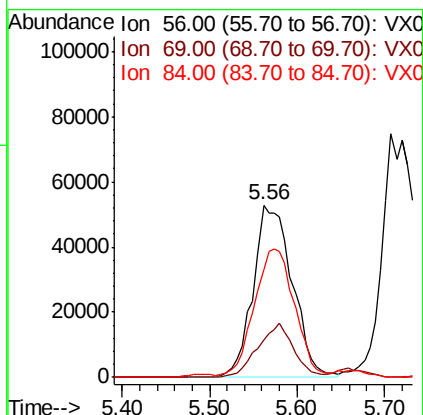
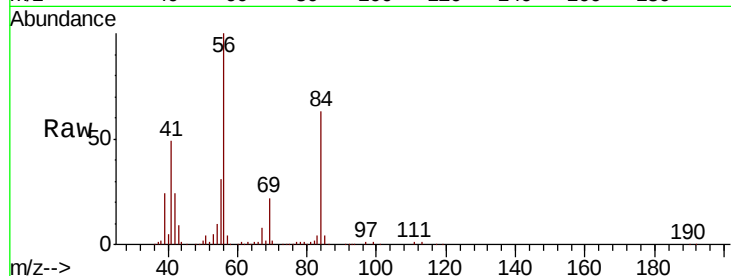




#31
Cyclohexane
Concen: 52.197 ug/l
RT: 5.56 min Scan# 723
Delta R.T. -0.01 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

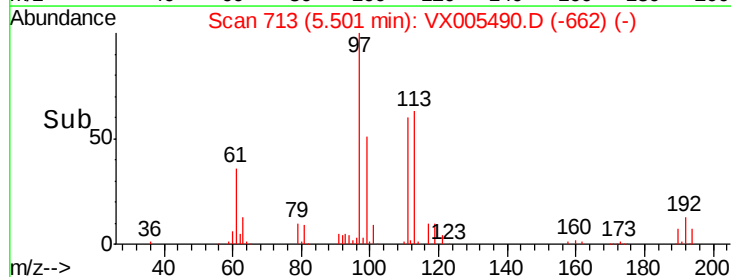
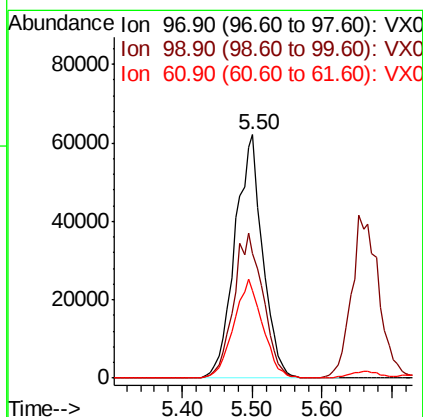
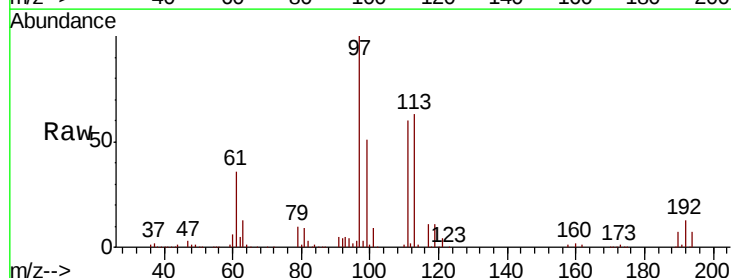
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

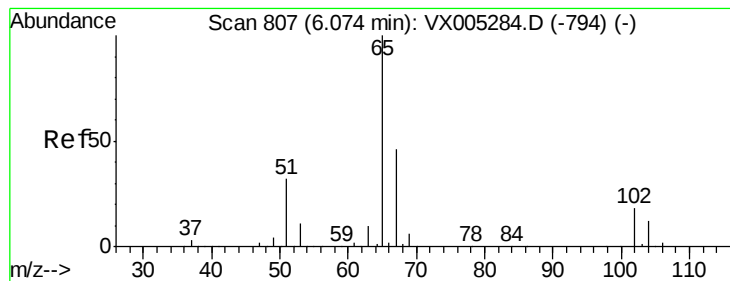
Tot Ion: 56 Resp: 163911
Ion Ratio Lower Upper
56 100
69 21.8 25.4 38.2#
84 61.9 71.4 107.2#



#32
1,1,1-Trichloroethane
Concen: 55.268 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Tgt Ion: 97 Resp: 170065
Ion Ratio Lower Upper
97 100
99 63.2 52.0 78.0
61 42.7 34.9 52.3





#33

1,2-Dichloroethane-d4

Concen: 53.946 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

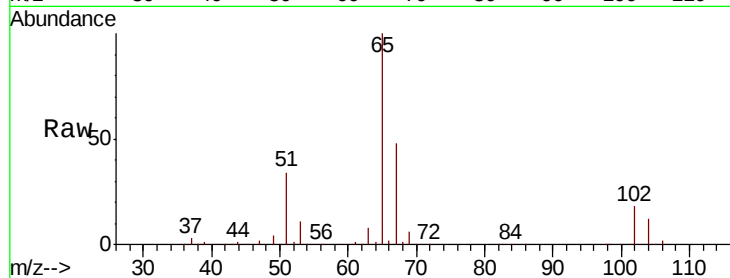
VSTDCCC050

Tot Ion: 65 Resp: 123236

Ion Ratio Lower Upper

65 100

67 52.9 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

50000

40000

30000

20000

10000

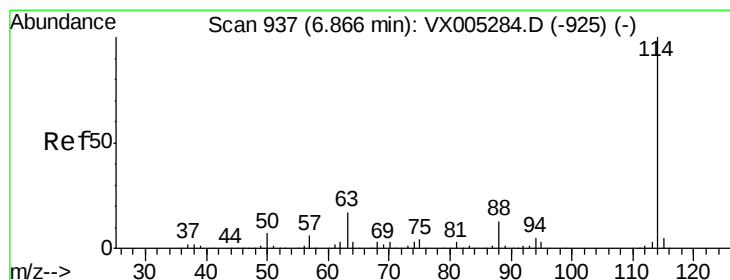
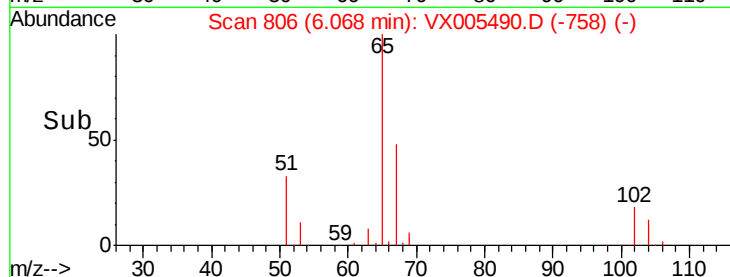
0

Time-->

6.00

6.10

6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.01 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

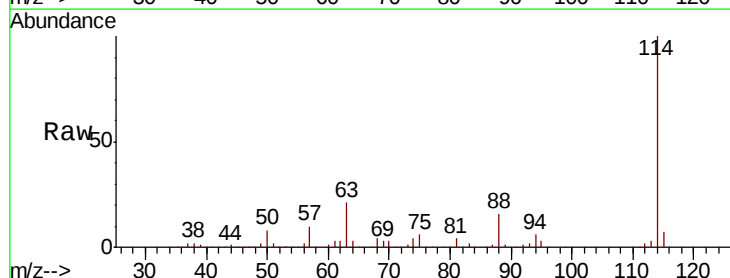
Tgt Ion: 114 Resp: 302084

Ion Ratio Lower Upper

114 100

63 21.3 0.0 39.0

88 15.7 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

6.86

150000

100000

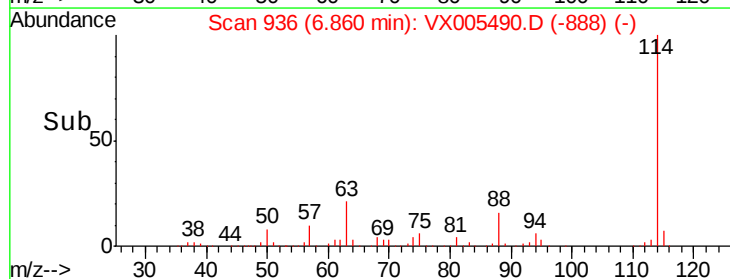
50000

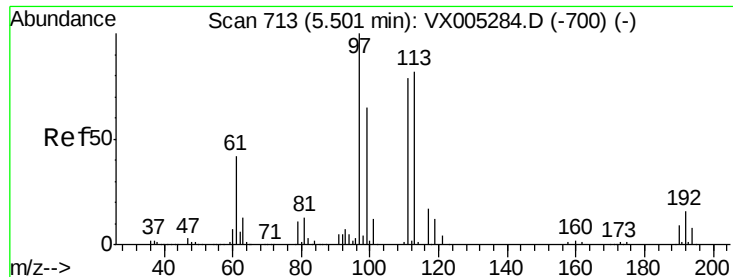
0

Time-->

6.80

7.00

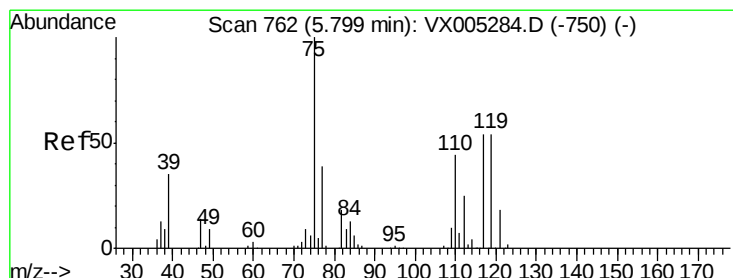
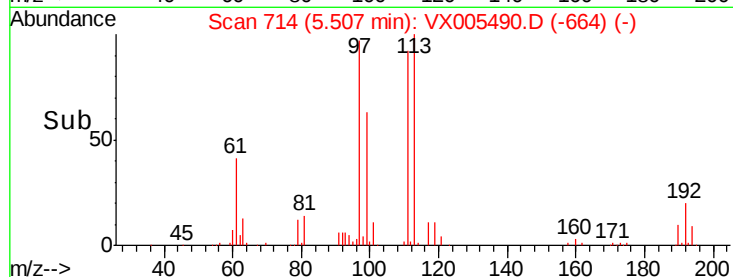
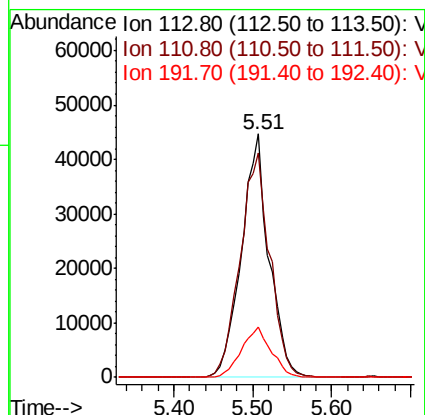
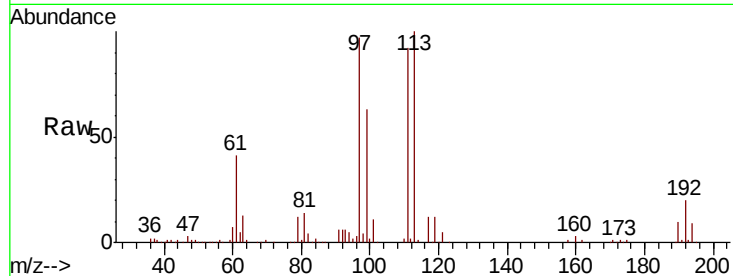




#35
 Dibromofluoromethane
 Concen: 54.108 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX005490.D
 Acq: 23 Oct 2018 00:33

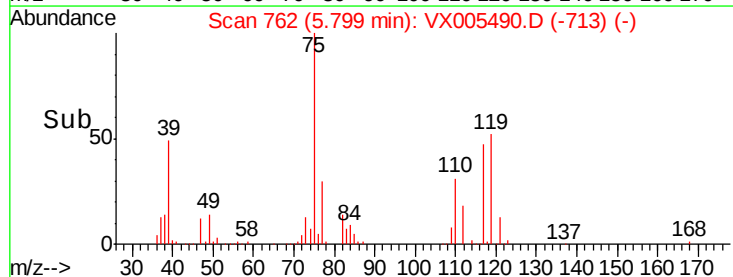
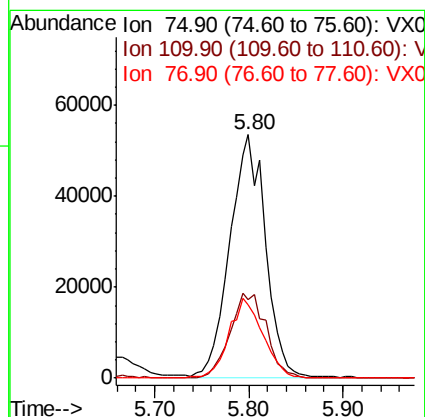
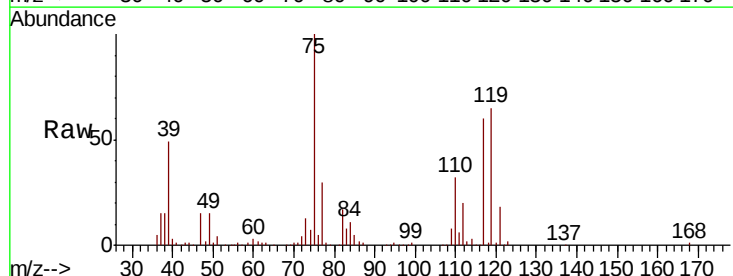
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

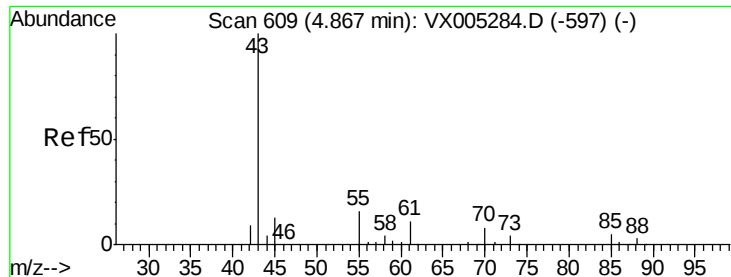
Tot Ion:113 Resp: 108259
 Ion Ratio Lower Upper
 113 100
 111 99.7 82.4 123.6
 192 22.2 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 47.519 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX005490.D
 Acq: 23 Oct 2018 00:33

Tgt Ion: 75 Resp: 139024
 Ion Ratio Lower Upper
 75 100
 110 36.0 18.0 54.0
 77 31.1 24.6 36.8

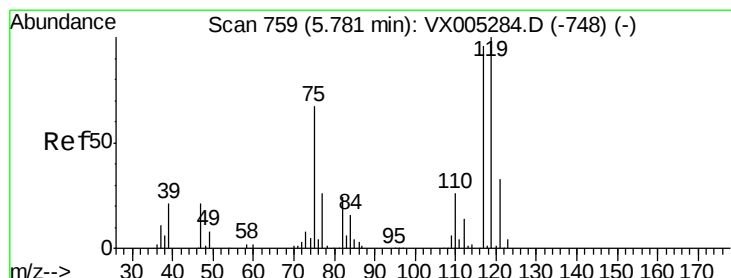
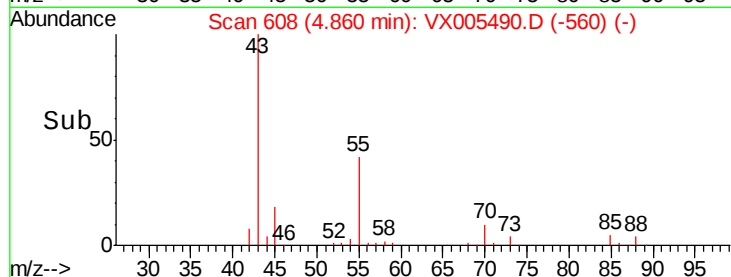
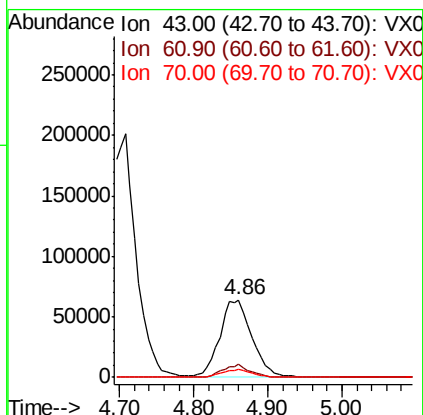
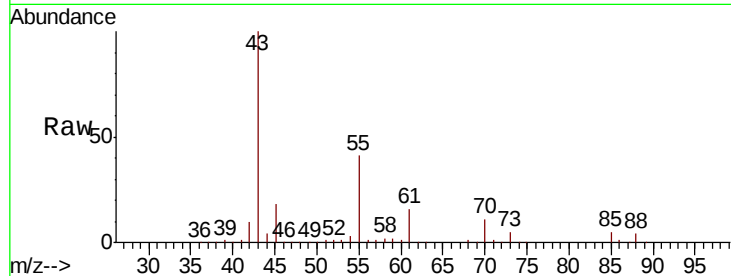




#37
Ethyl Acetate
Concen: 50.820 ug/l
RT: 4.86 min Scan# 608
Delta R.T. -0.01 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

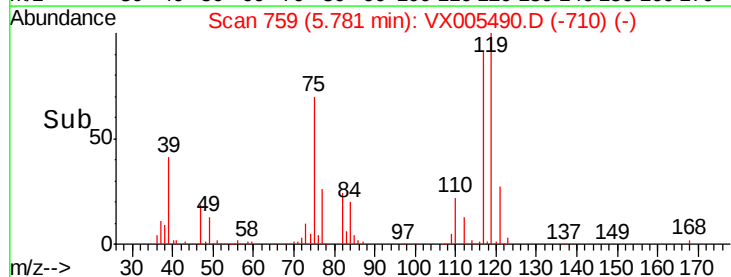
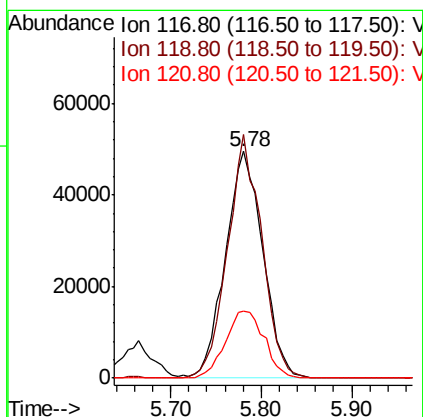
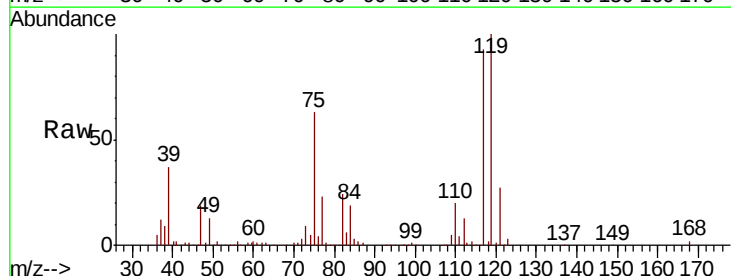
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

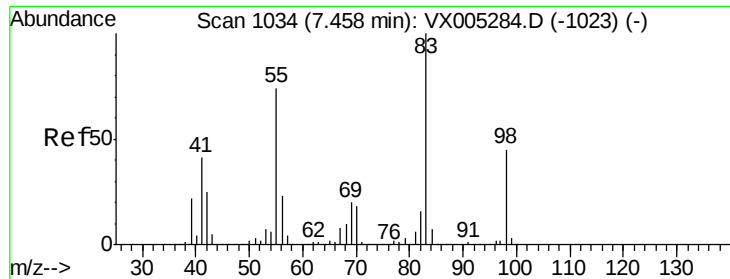
Tot Ion: 43 Resp: 191212
Ion Ratio Lower Upper
43 100
61 14.2 11.5 17.3
70 9.9 9.0 13.6



#38
Carbon Tetrachloride
Concen: 48.351 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Tgt Ion: 117 Resp: 142135
Ion Ratio Lower Upper
117 100
119 107.3 78.8 118.2
121 29.3 24.9 37.3

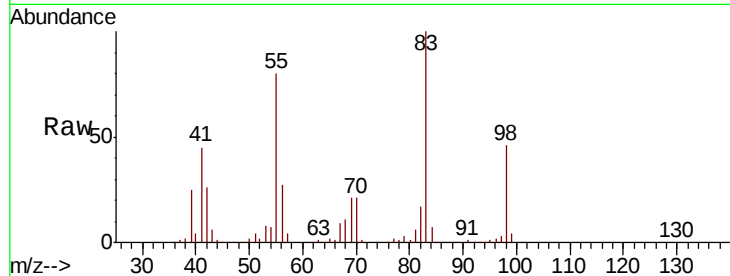




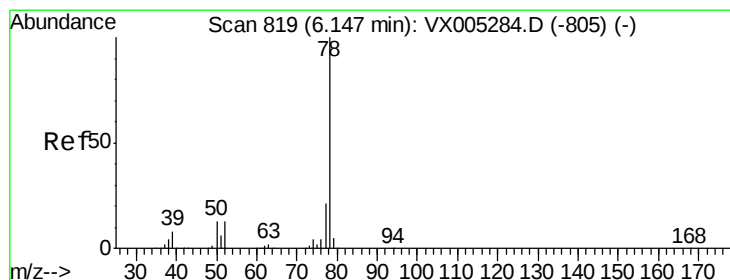
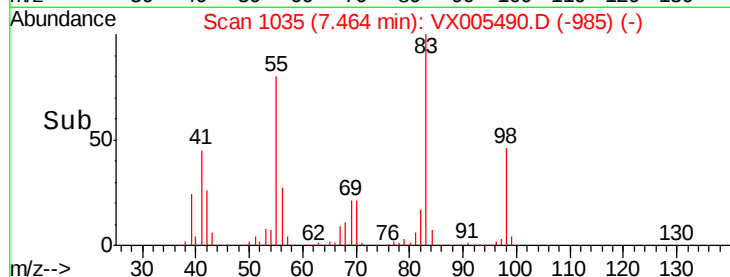
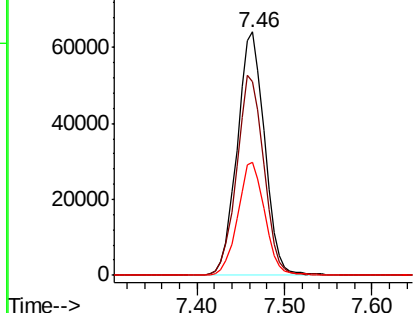
#39
Methvlcvclohexane
Concen: 44.284 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 140223
Ion Ratio Lower Upper
83 100
55 79.8 61.0 91.4
98 46.4 39.6 59.4

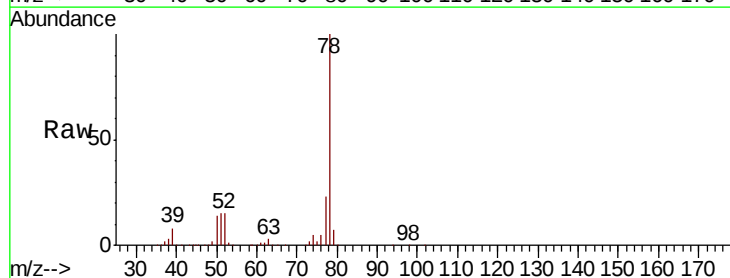


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

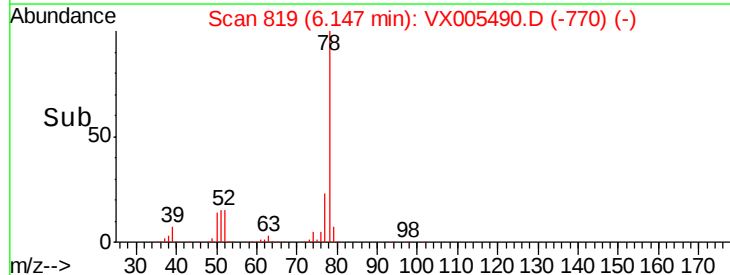
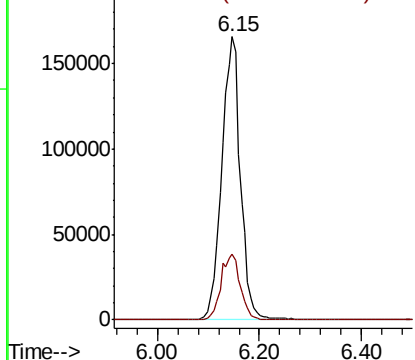


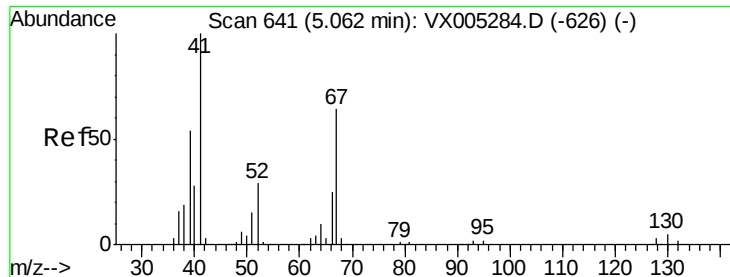
#40
Benzene
Concen: 47.933 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Tgt Ion: 78 Resp: 420684
Ion Ratio Lower Upper
78 100
77 23.1 19.0 28.4



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

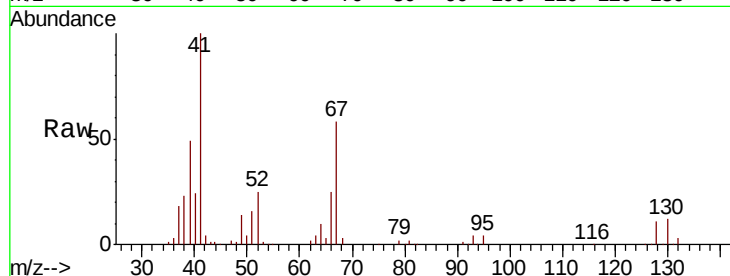




#41
Methacrylonitrile
Concen: 54.666 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	110267
Ion	Ratio	Lower	Upper
41	100		
39	52.1	42.4	63.6
67	65.3	59.2	88.8
52	27.3	23.0	34.4



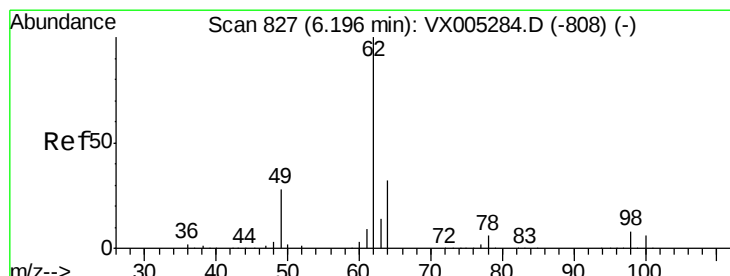
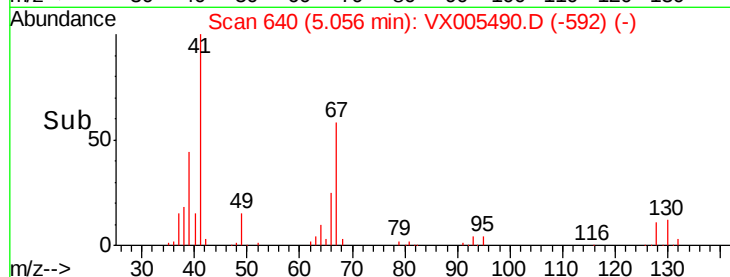
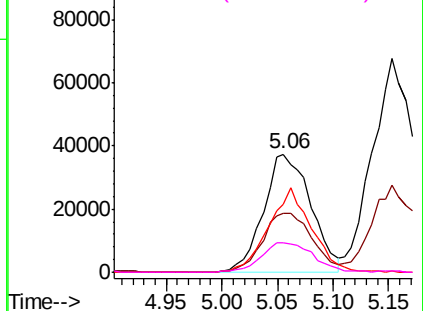
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

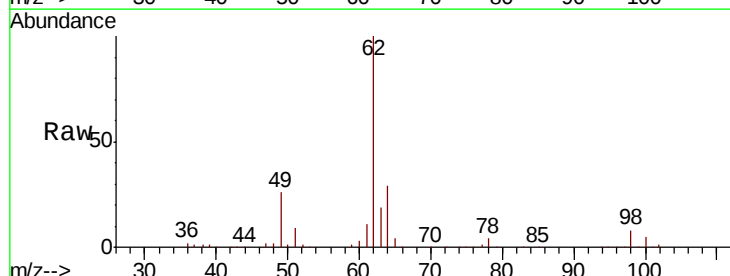
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42
1,2-Dichloroethane
Concen: 49.401 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

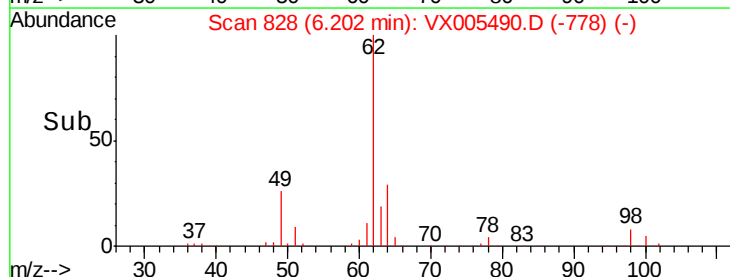
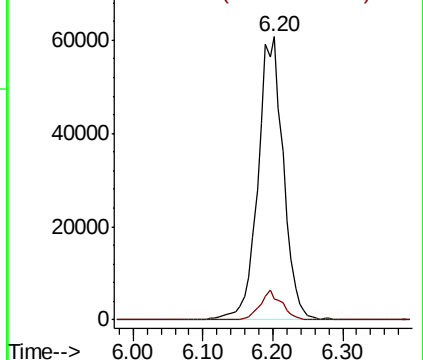
Tgt Ion:	62	Resp:	153091
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	20.6

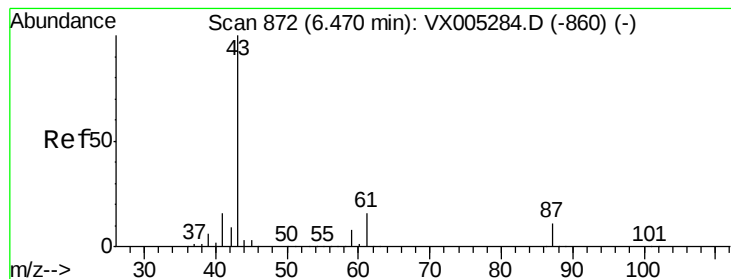


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



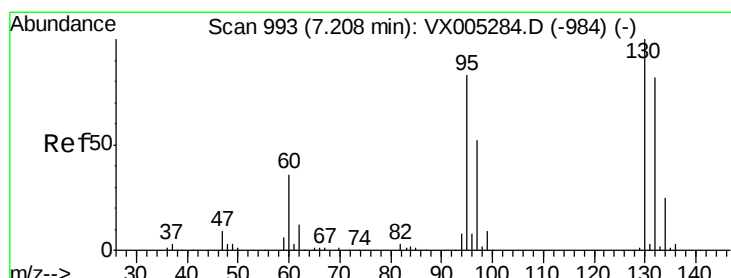
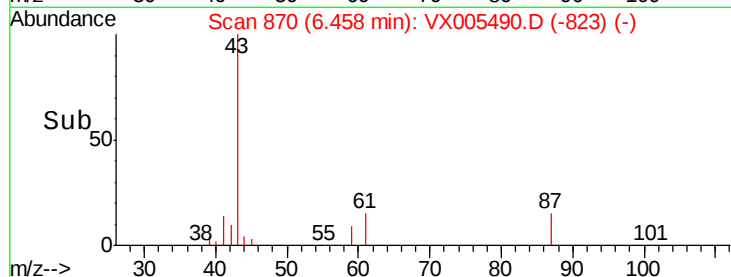
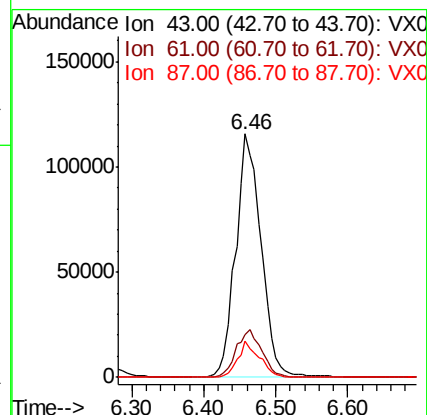
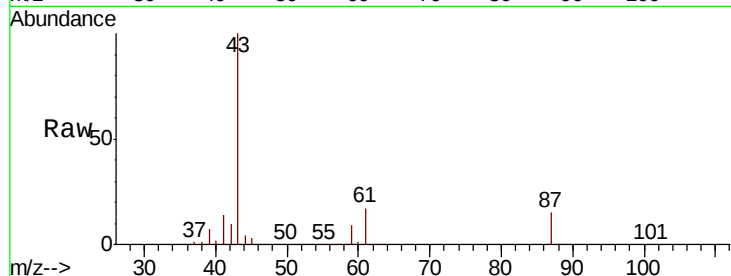


#43

Isopropyl Acetate
 Concen: 56.469 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.01 min
 Lab File: VX005490.D
 Acq: 23 Oct 2018 00:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

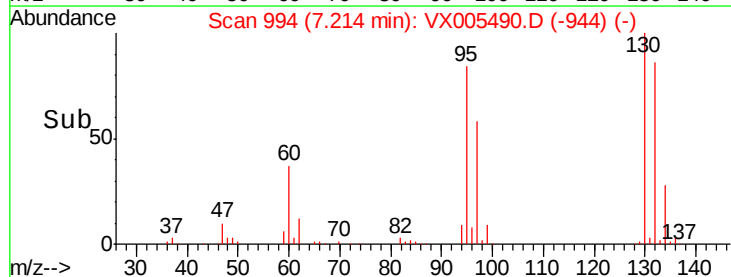
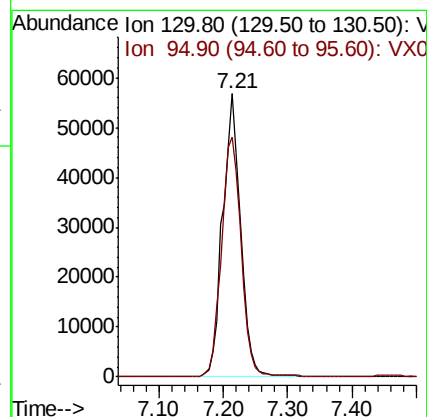
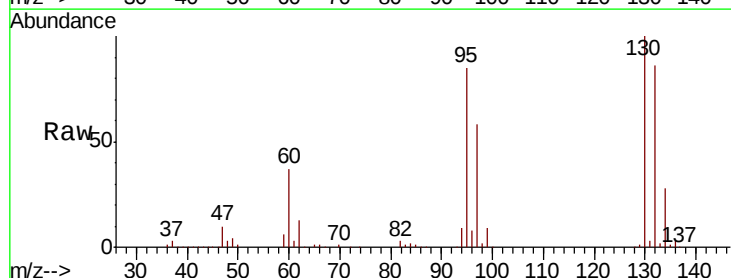
Tot Ion: 43 Resp: 283023
 Ion Ratio Lower Upper
 43 100
 61 19.8 17.0 25.4
 87 12.8 11.4 17.2



#44

Trichloroethene
 Concen: 50.501 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX005490.D
 Acq: 23 Oct 2018 00:33

Tgt Ion: 130 Resp: 113155
 Ion Ratio Lower Upper
 130 100
 95 84.7 0.0 181.6





#45

1,2-Dichloropropane

Concen: 49.292 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

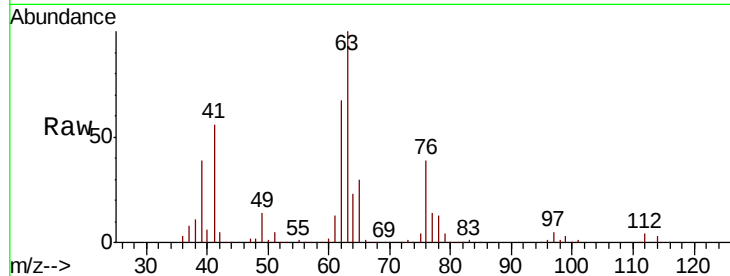
VSTDCCC050

Tot Ion: 63 Resp: 106118

Ion Ratio Lower Upper

63 100

65 30.3 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

60000

50000

40000

30000

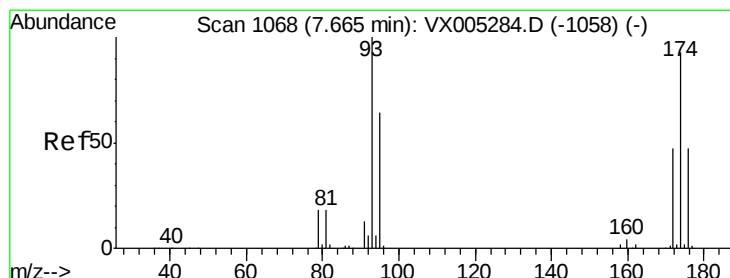
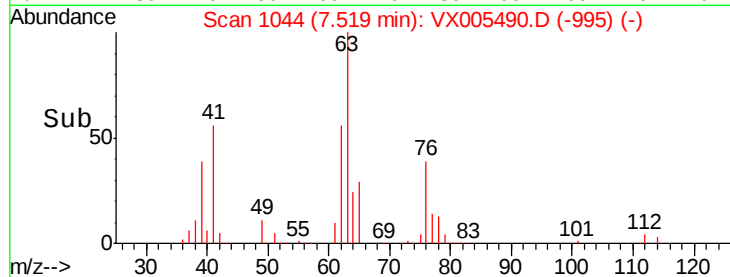
20000

10000

0

Time-->

7.45 7.50 7.55 7.60 7.65



#46

Dibromomethane

Concen: 49.014 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

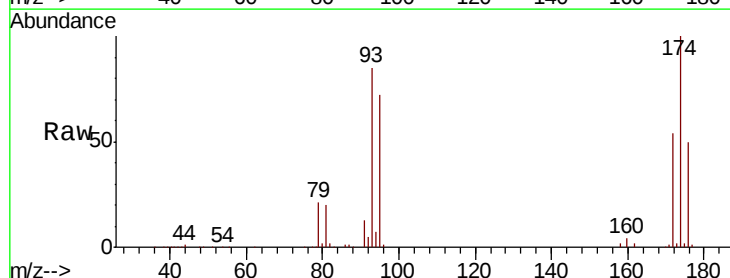
Tgt Ion: 93 Resp: 69643

Ion Ratio Lower Upper

93 100

95 82.6 65.5 98.3

174 114.8 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

50000

40000

30000

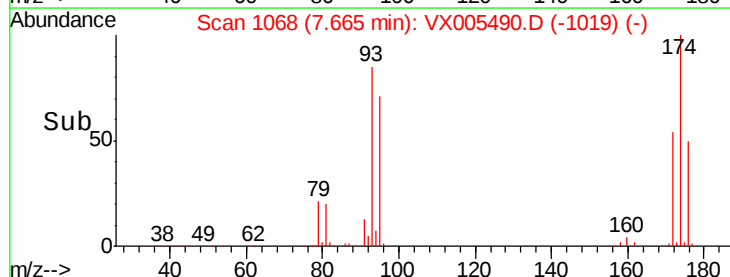
20000

10000

0

Time-->

7.60 7.70 7.80





#47

Bromodichloromethane

Concen: 52.148 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

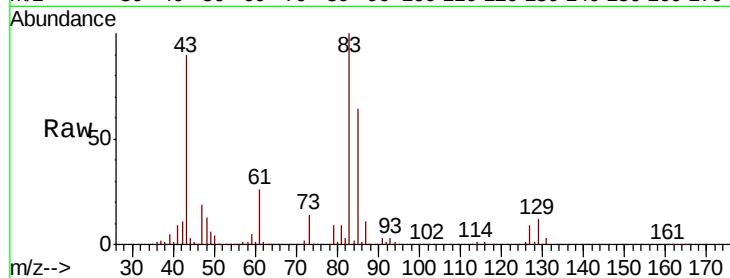
Tot Ion: 83 Resp: 137058

Ion Ratio Lower Upper

83 100

85 63.6 50.9 76.3

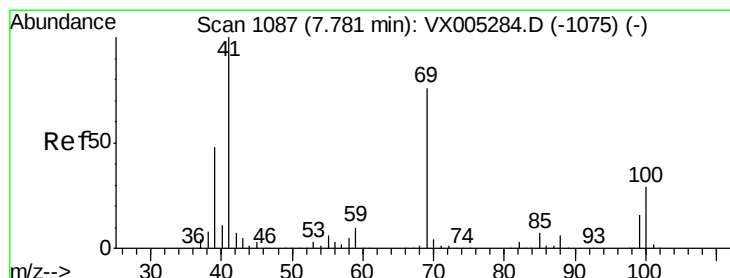
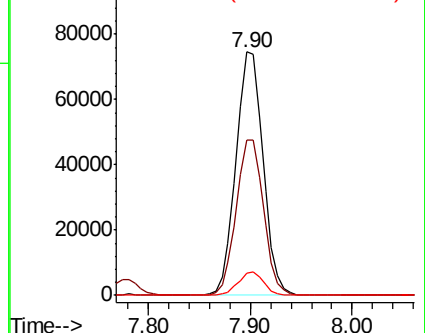
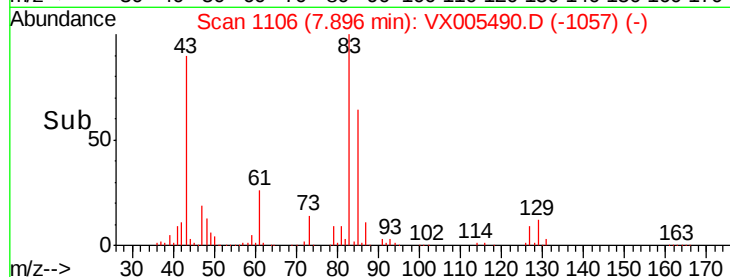
127 9.3 7.3 10.9



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: 54.119 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

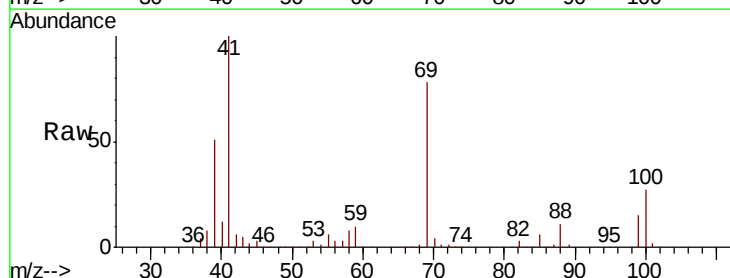
Tgt Ion: 41 Resp: 140679

Ion Ratio Lower Upper

41 100

69 79.1 70.2 105.4

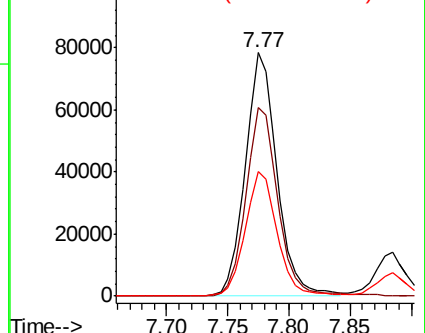
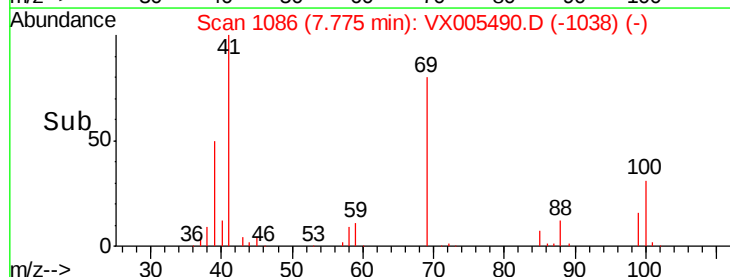
39 51.7 42.7 64.1

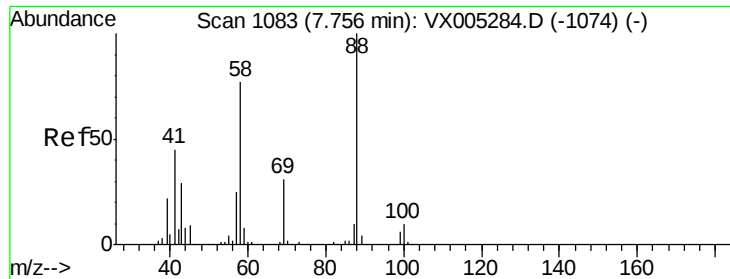


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

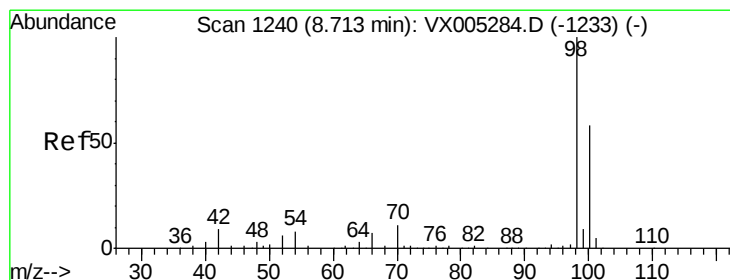
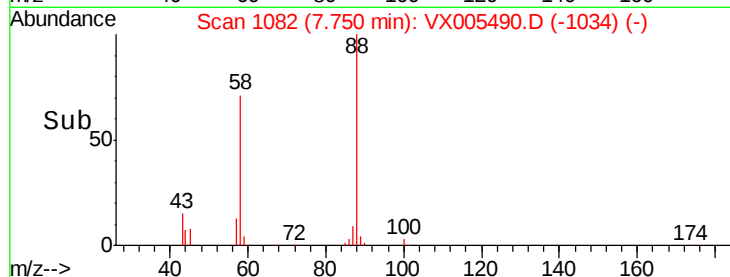
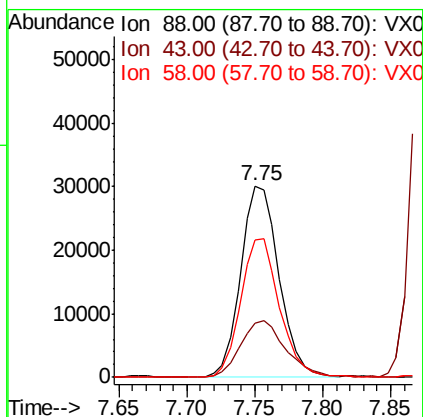
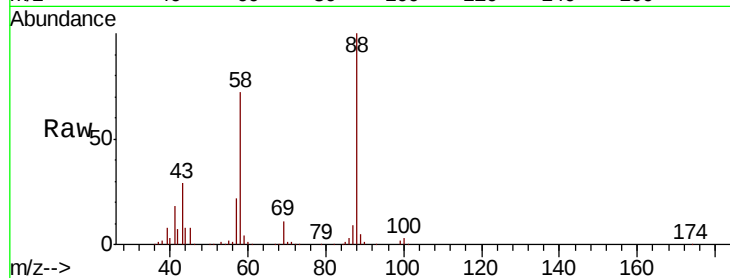




#49
1,4-Dioxane
Concen: 992.709 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

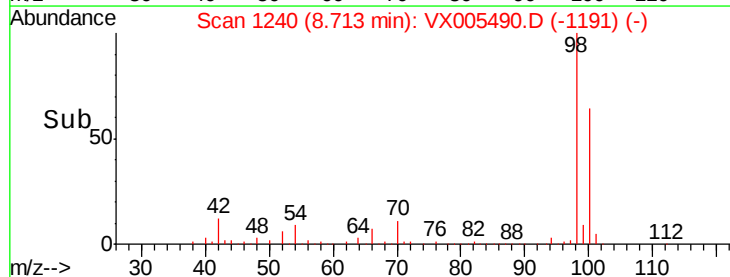
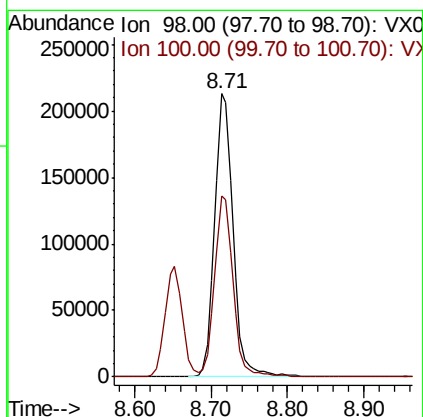
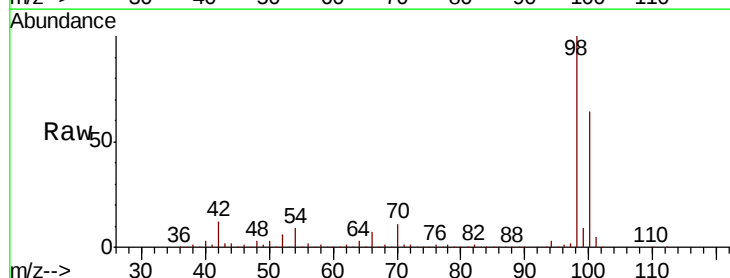
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

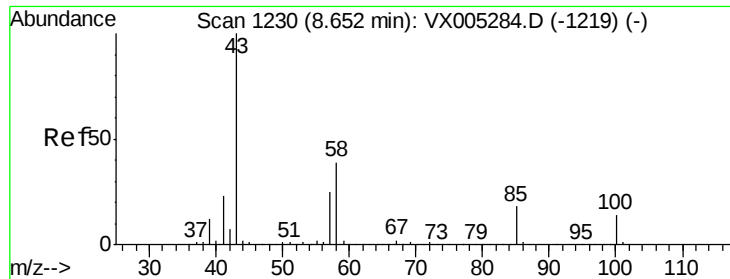
Tot Ion: 88 Resp: 59519
Ion Ratio Lower Upper
88 100
43 34.1 24.7 37.1
58 73.6 55.3 82.9



#50
Toluene-d8
Concen: 51.705 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Tgt Ion: 98 Resp: 355155
Ion Ratio Lower Upper
98 100
100 64.7 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 282.352 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

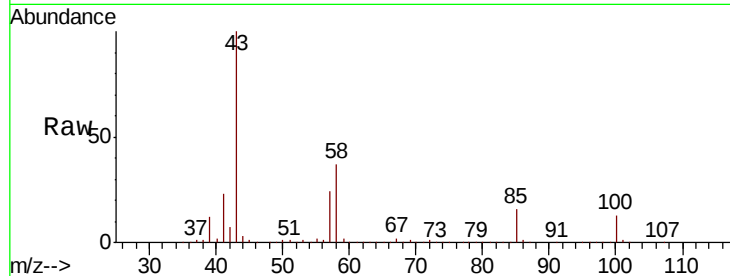
VSTDCCC050

Tot Ion: 43 Resp: 979863

Ion Ratio Lower Upper

43 100

58 37.3 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VX005284.D (-1219) (-)

Ion 58.00 (57.70 to 58.70): VX005284.D (-1219) (-)

8.65

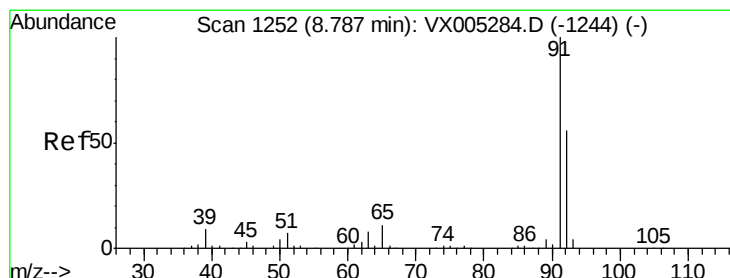
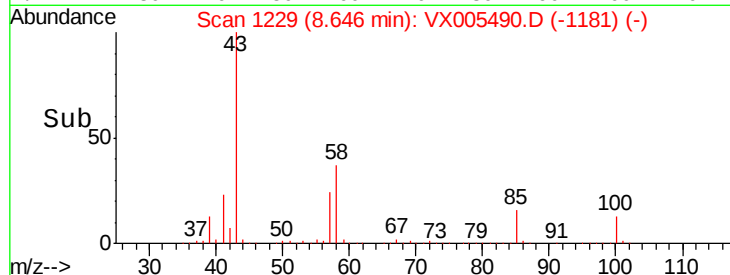
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.866 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005490.D

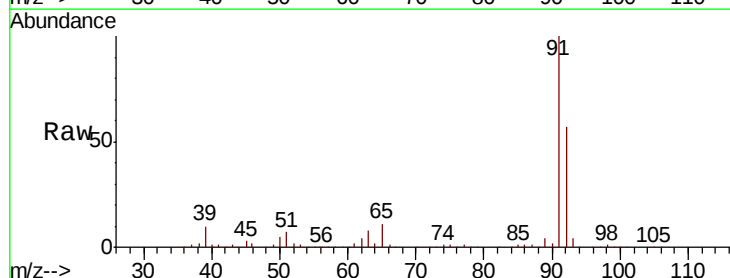
Acq: 23 Oct 2018 00:33

Tgt Ion: 92 Resp: 244234

Ion Ratio Lower Upper

92 100

91 175.8 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX005284.D (-1244) (-)

Ion 91.00 (90.70 to 91.70): VX005284.D (-1244) (-)

8.79

300000

250000

200000

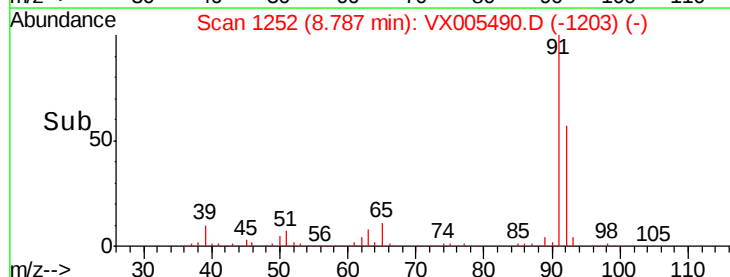
150000

100000

50000

0

Time-->

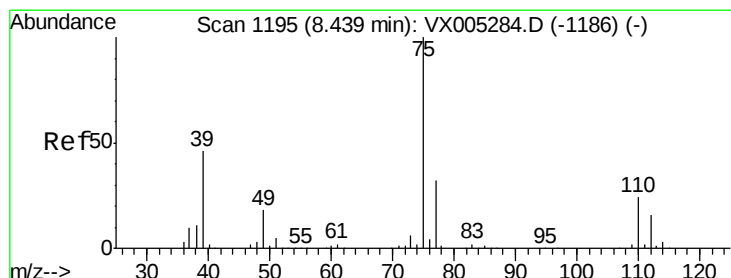
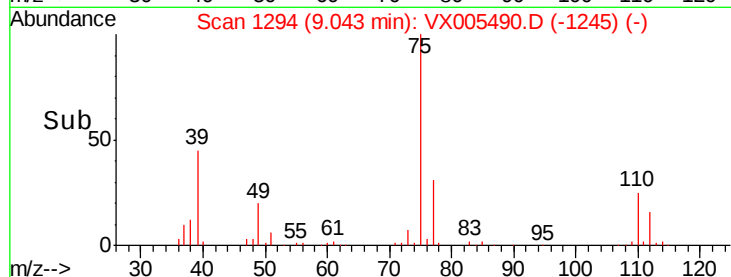
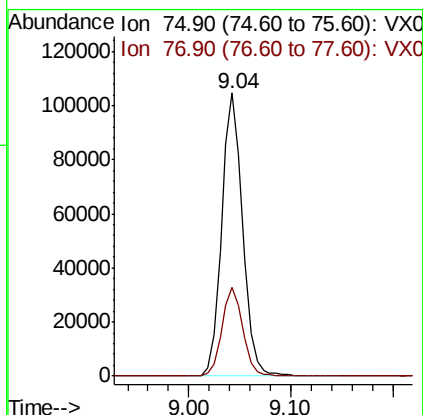
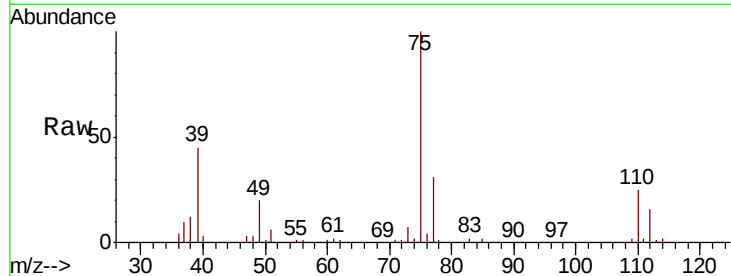




#53
 t-1,3-Dichloropropene
 Concen: 52.382 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX005490.D
 Acq: 23 Oct 2018 00:33

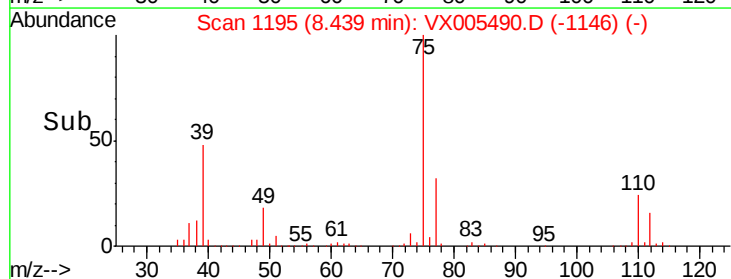
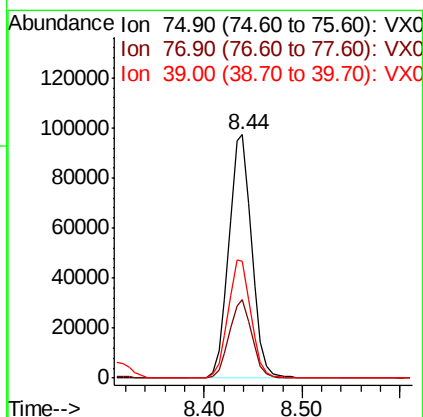
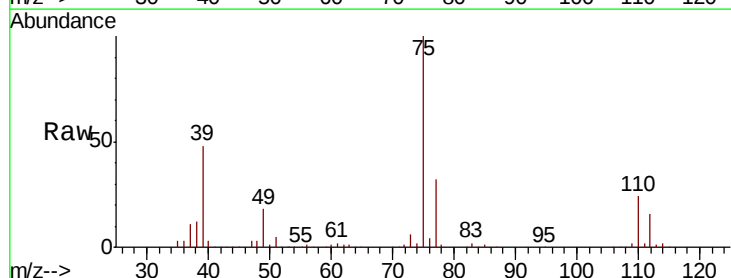
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 148991
 Ion Ratio Lower Upper
 75 100
 77 31.3 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 51.202 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. -0.00 min
 Lab File: VX005490.D
 Acq: 23 Oct 2018 00:33

Tgt Ion: 75 Resp: 157799
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.2 39.2
 39 48.0 36.4 54.6

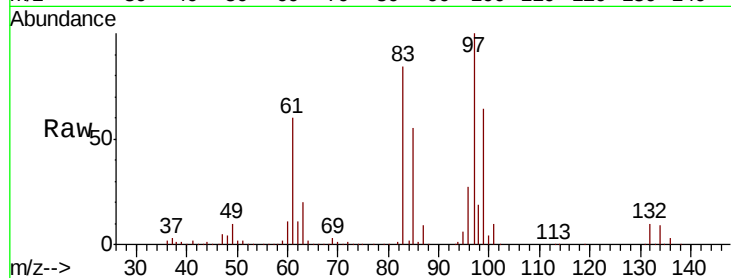




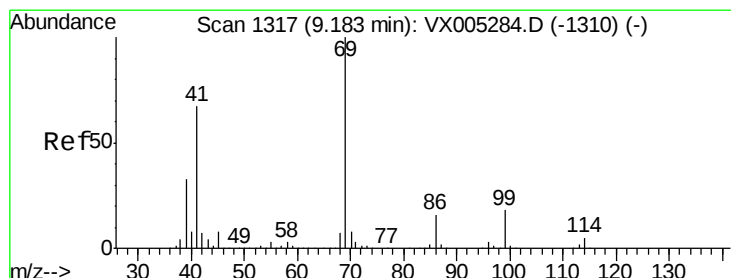
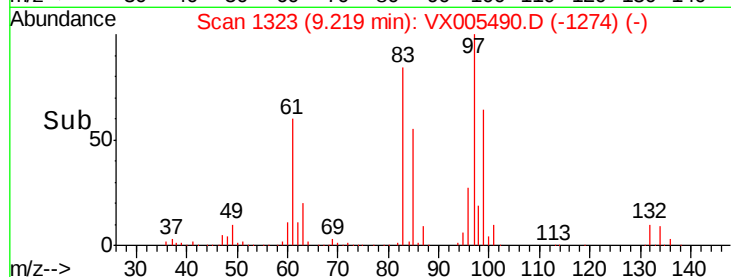
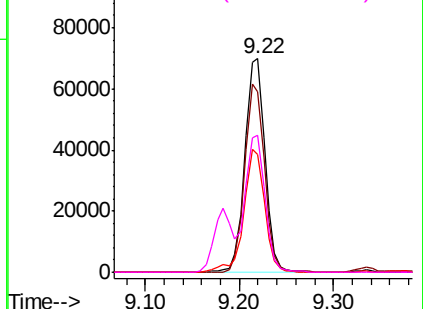
#55
 1,1,2-Trichloroethane
 Concen: 51.453 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX005490.D
 Acq: 23 Oct 2018 00:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	104640
Ion	Ratio	Lower	Upper
97	100		
83	84.4	66.4	99.6
85	55.4	43.3	64.9
99	64.3	49.0	73.4

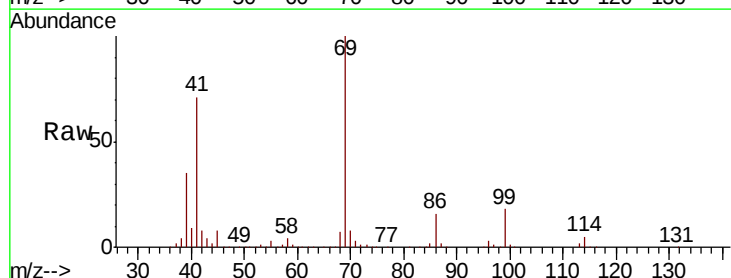


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

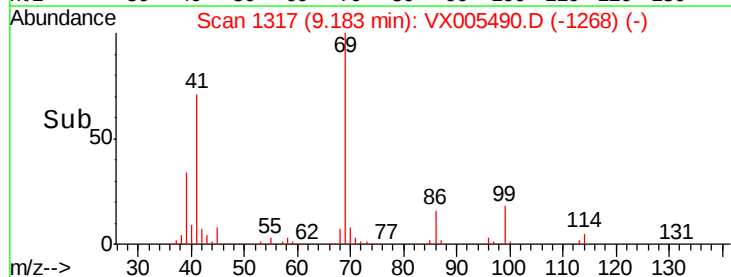
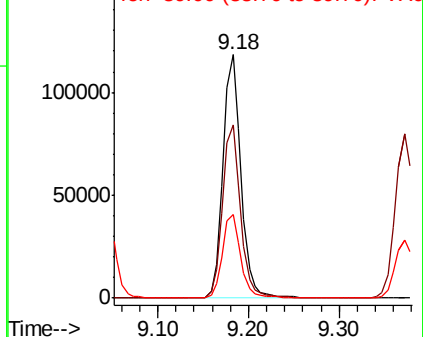


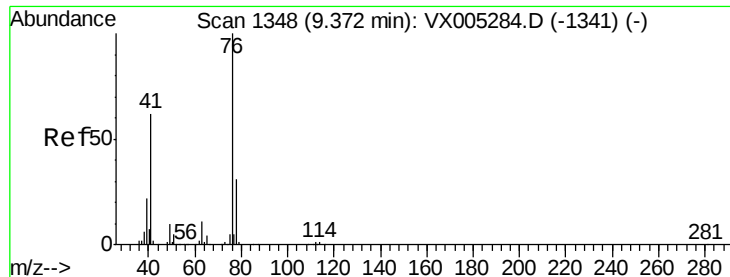
#56
 Ethyl methacrylate
 Concen: 55.157 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005490.D
 Acq: 23 Oct 2018 00:33

Tgt Ion:	69	Resp:	163525
Ion	Ratio	Lower	Upper
69	100		
41	71.3	51.0	76.4
39	35.0	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: 52.014 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

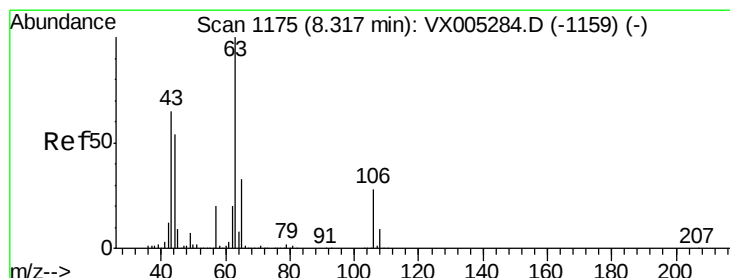
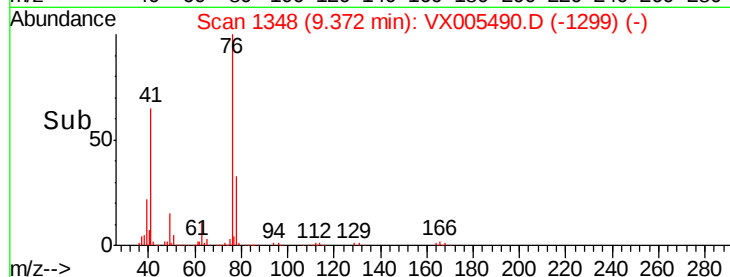
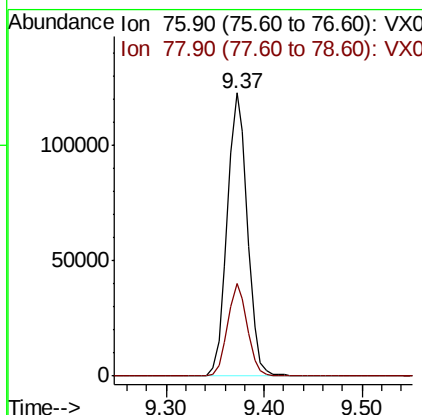
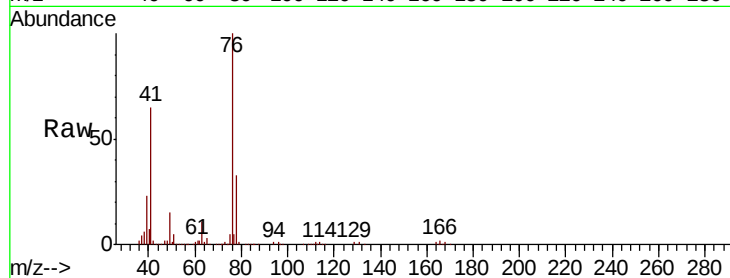
VSTDCCC050

Tot Ion: 76 Resp: 176555

Ion Ratio Lower Upper

76 100

78 32.0 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 281.209 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VX005490.D

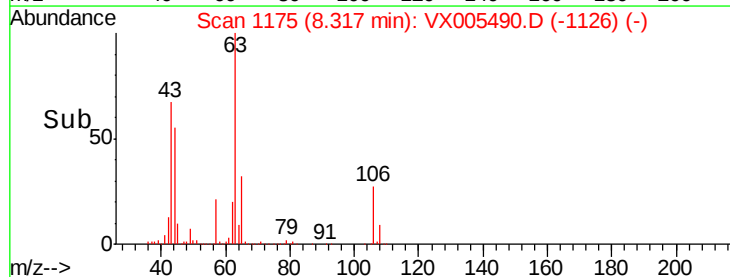
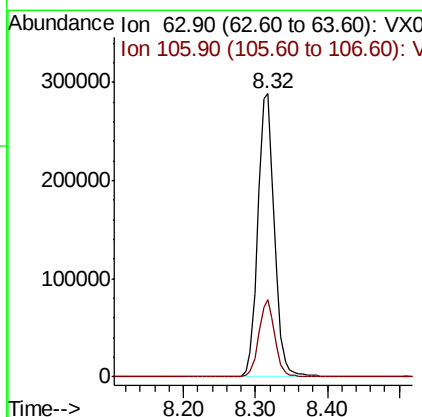
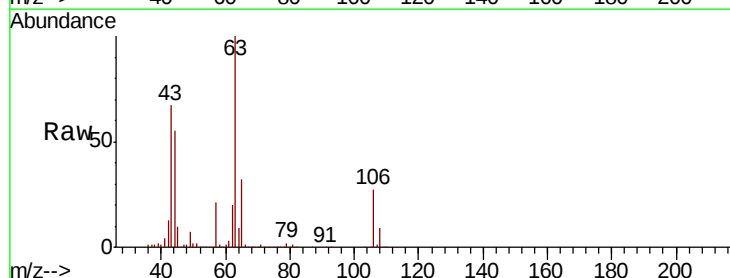
Acq: 23 Oct 2018 00:33

Tgt Ion: 63 Resp: 467560

Ion Ratio Lower Upper

63 100

106 26.4 23.9 35.9

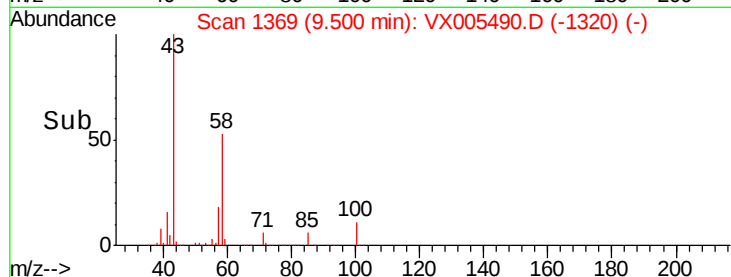
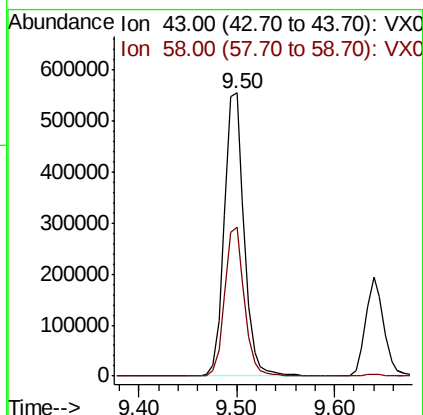
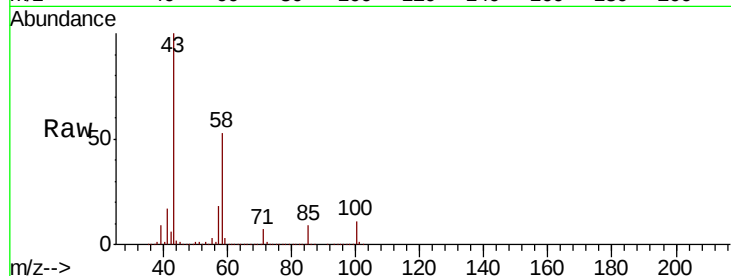




#59
2-Hexanone
Concen: 280.290 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

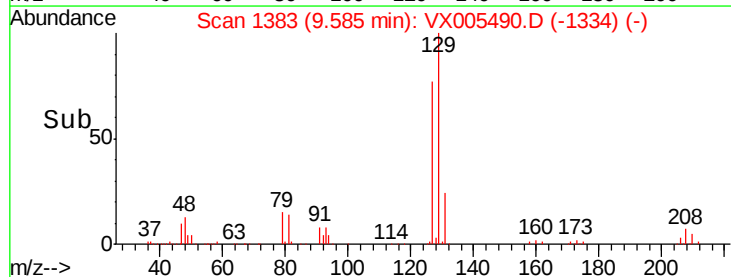
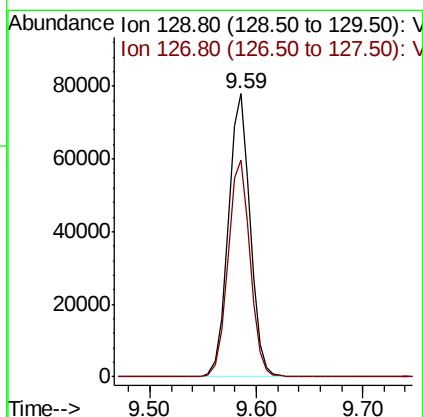
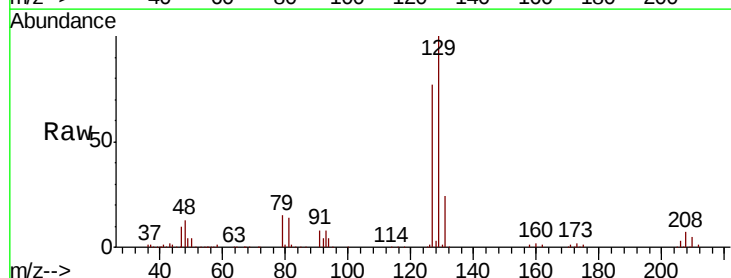
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

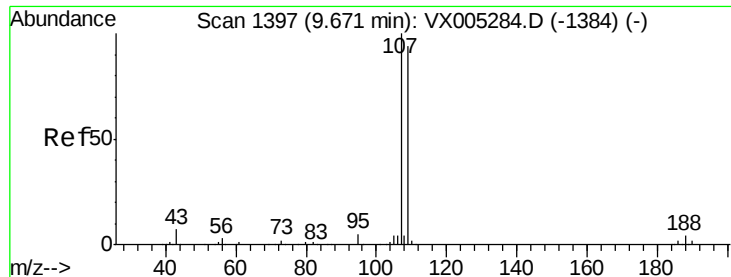
Tot Ion: 43 Resp: 782450
Ion Ratio Lower Upper
43 100
58 52.0 29.0 87.0



#60
Dibromochloromethane
Concen: 53.277 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Tgt Ion:129 Resp: 111998
Ion Ratio Lower Upper
129 100
127 77.7 38.5 115.5





#61

1,2-Dibromoethane

Concen: 51.314 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

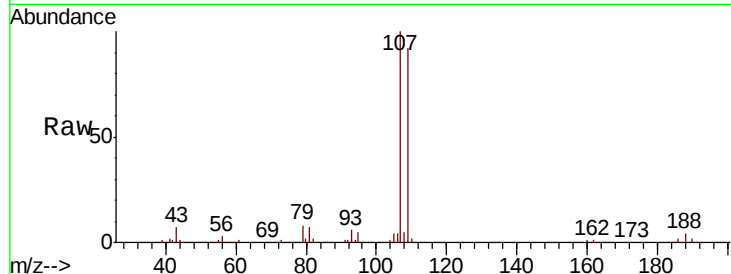
VSTDCCC050

Tot Ion:107 Resp: 109519

Ion Ratio Lower Upper

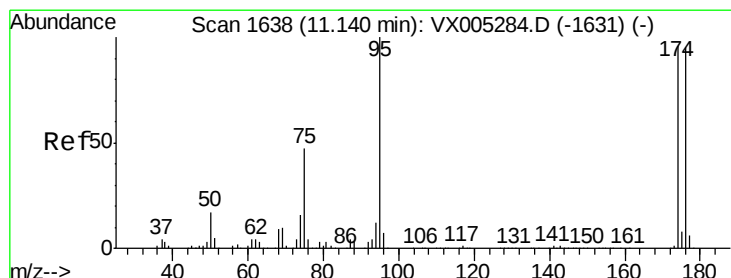
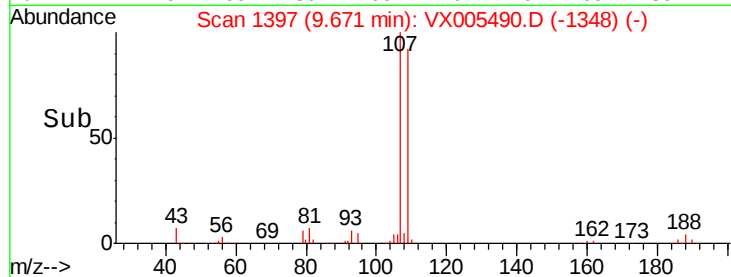
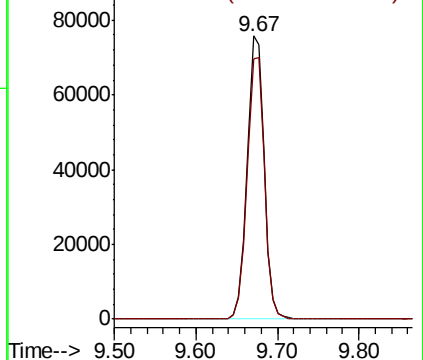
107 100

109 94.8 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.605 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

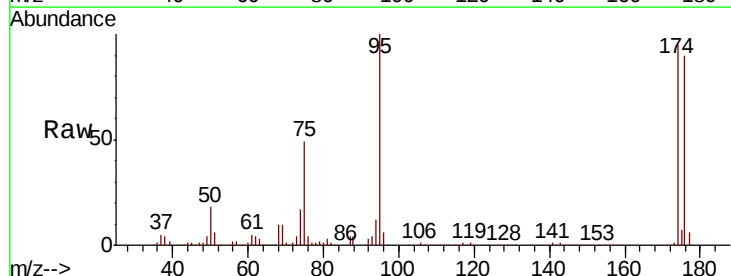
Tgt Ion: 95 Resp: 135739

Ion Ratio Lower Upper

95 100

174 91.7 0.0 185.2

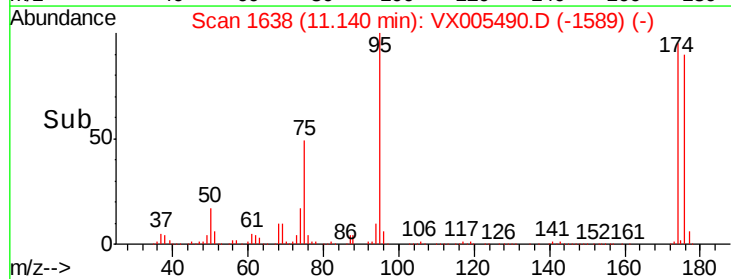
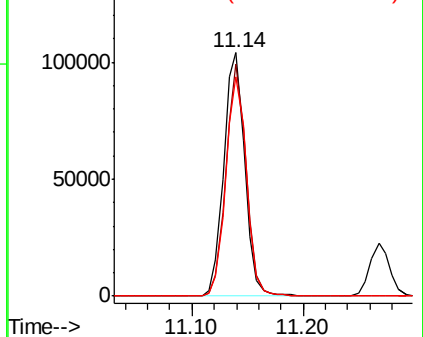
176 89.1 0.0 178.6



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

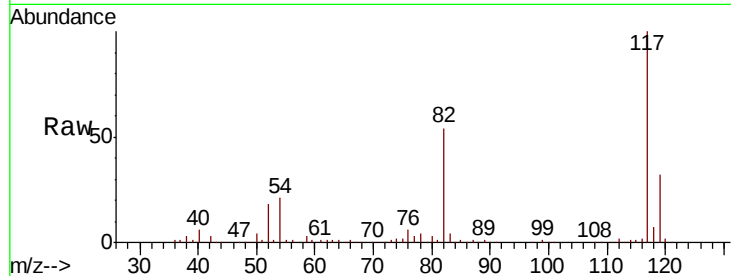




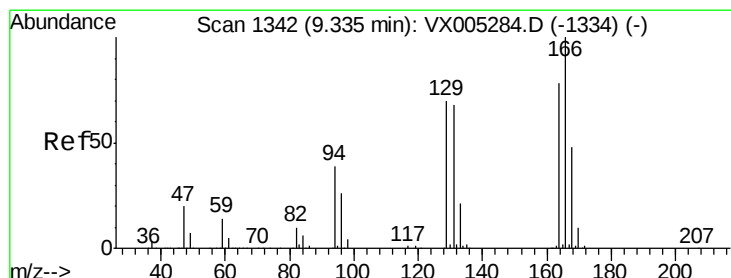
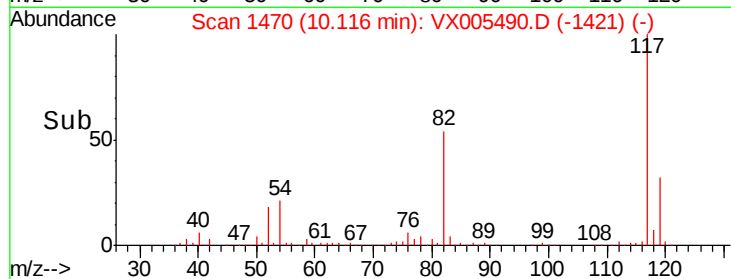
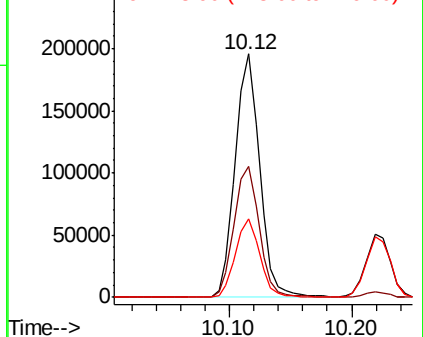
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 271969
Ion Ratio Lower Upper
117 100
82 53.9 47.8 71.6
119 32.3 29.3 43.9

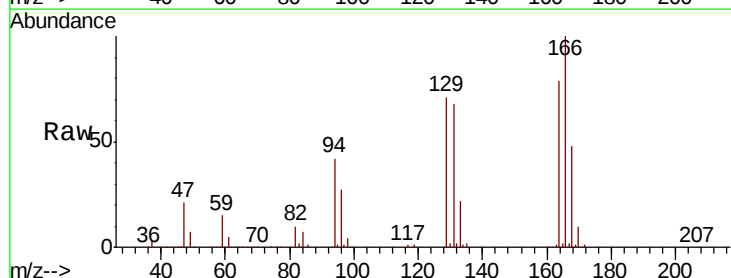


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

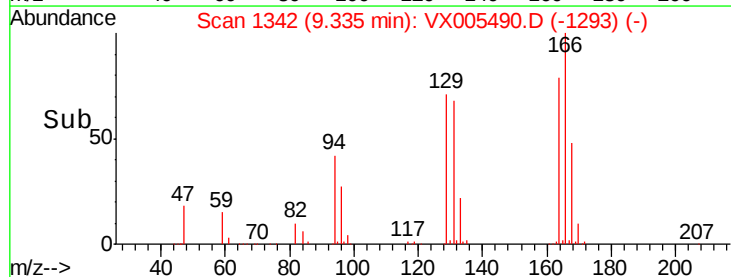
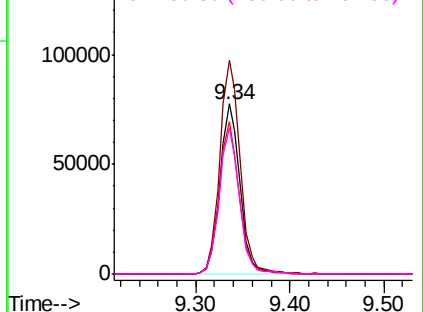


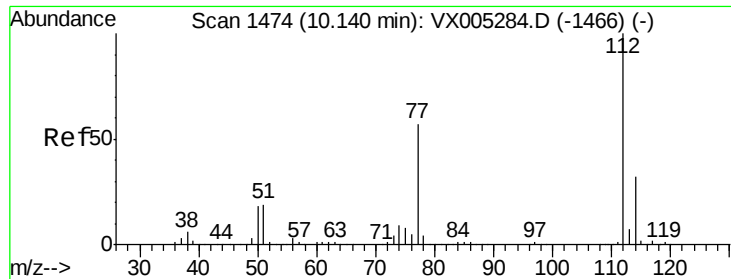
#64
Tetrachloroethene
Concen: 52.346 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Tgt Ion:164 Resp: 114612
Ion Ratio Lower Upper
164 100
166 125.8 102.8 154.2
129 89.7 69.4 104.0
131 86.1 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: 48.472 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

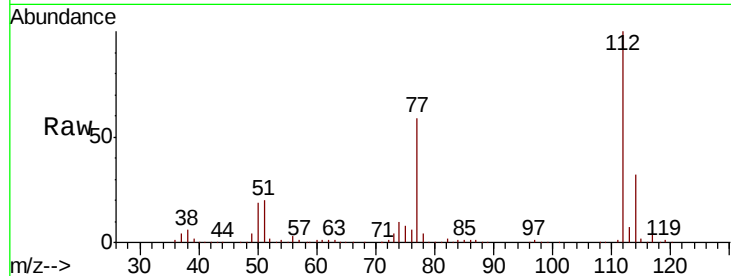
VSTDCCC050

Tot Ion:112 Resp: 280417

Ion Ratio Lower Upper

112 100

114 32.1 27.8 41.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

200000

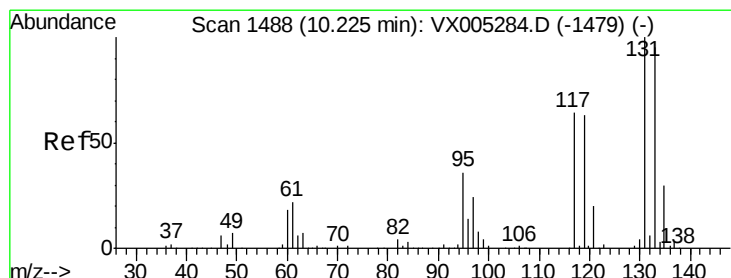
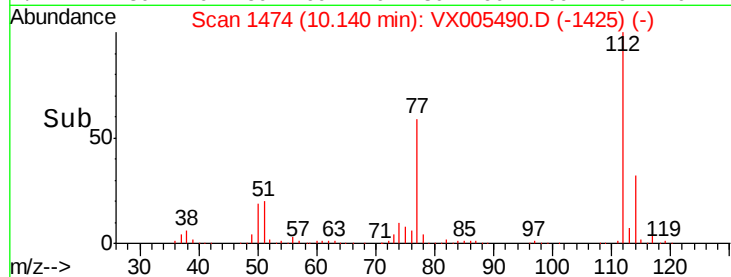
150000

100000

50000

0

Time--> 10.00 10.10 10.20 10.30



#66

1,1,1,2-Tetrachloroethane

Concen: 51.726 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.01 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

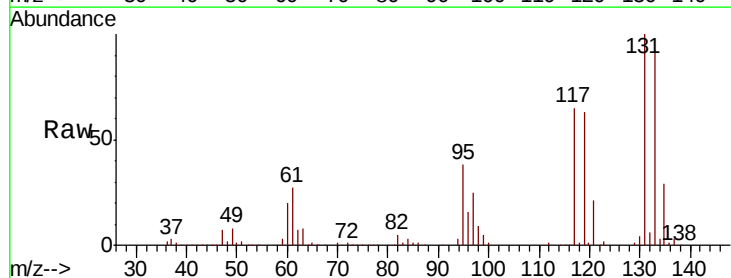
Tgt Ion:131 Resp: 106637

Ion Ratio Lower Upper

131 100

133 94.6 48.1 144.4

119 63.5 32.9 98.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.22

100000

80000

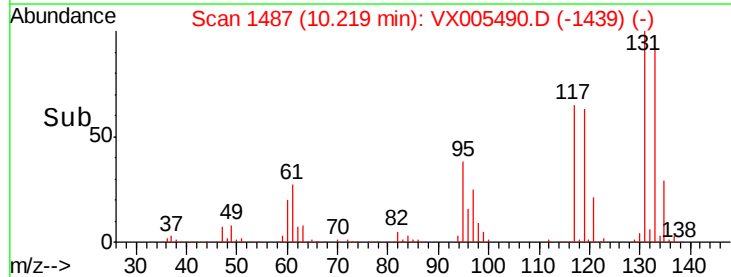
60000

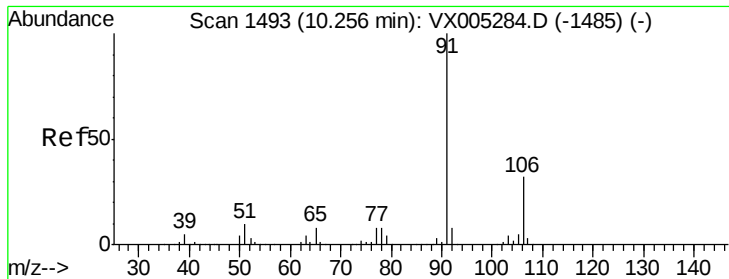
40000

20000

0

Time--> 10.15 10.20 10.25 10.30

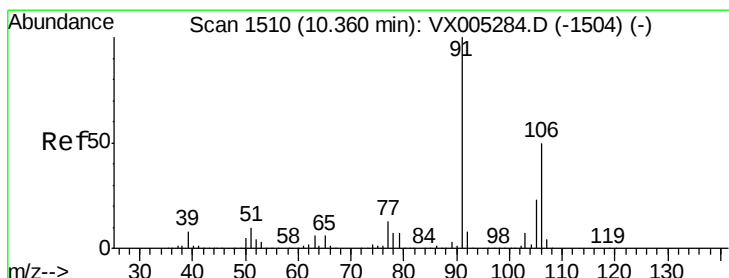
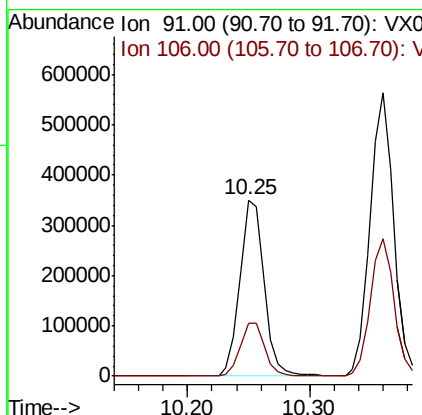
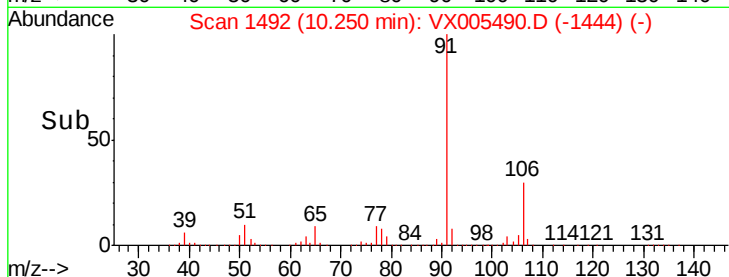
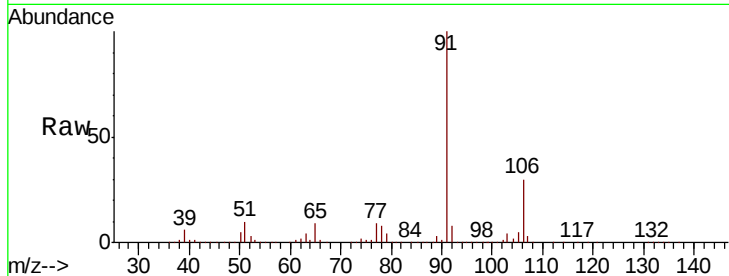




#67
Ethyl Benzene
Concen: 50.992 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

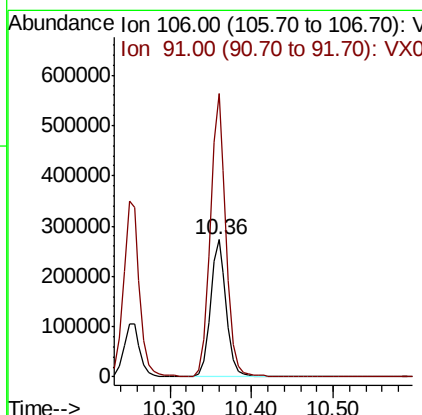
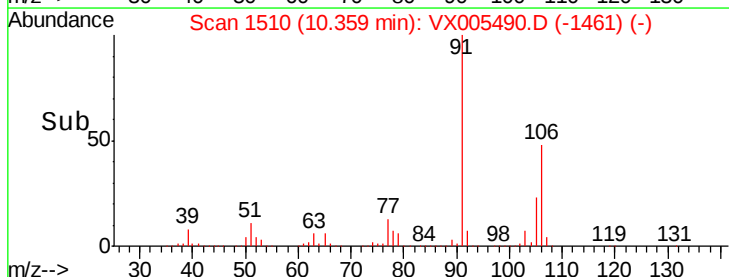
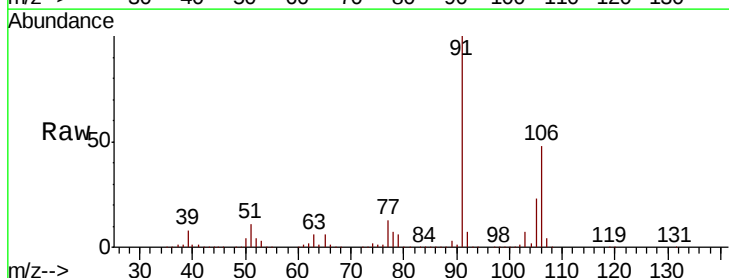
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 479560
Ion Ratio Lower Upper
91 100
106 30.3 25.9 38.9



#68
m/p-Xylenes
Concen: 101.884 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Tgt Ion: 106 Resp: 371905
Ion Ratio Lower Upper
106 100
91 204.8 157.1 235.7

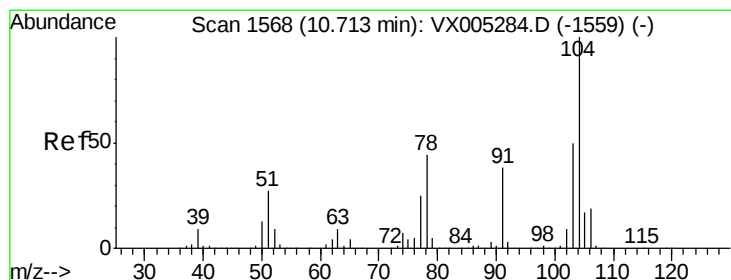
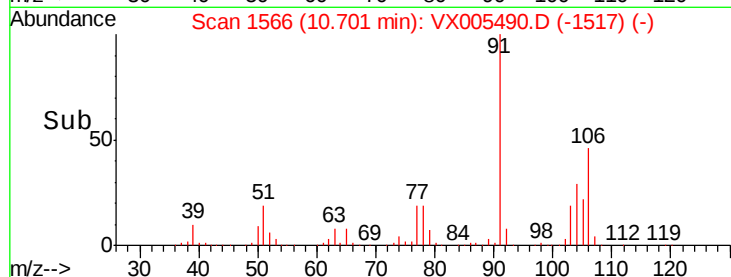
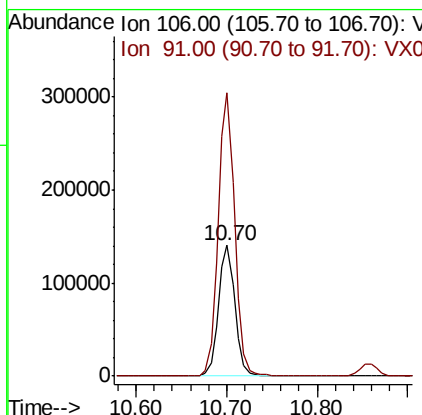
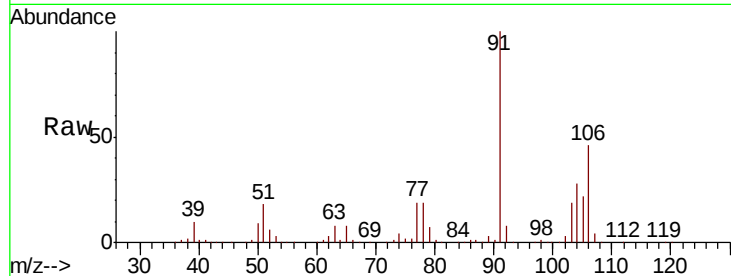




#69
o-Xylene
Concen: 50.734 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

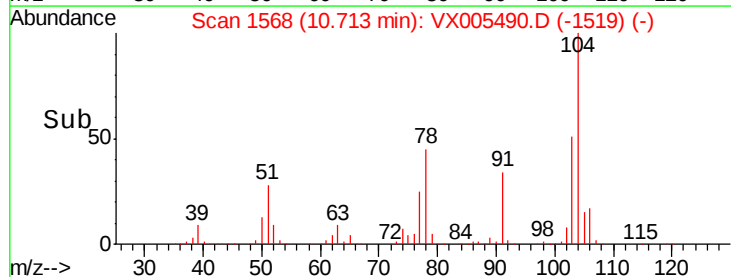
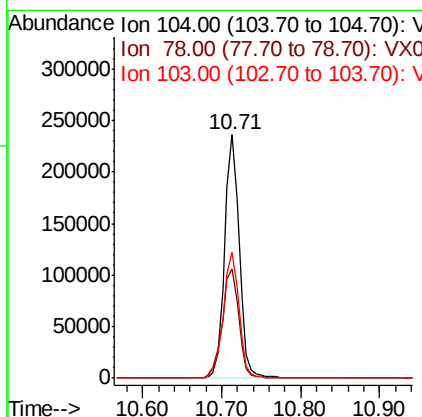
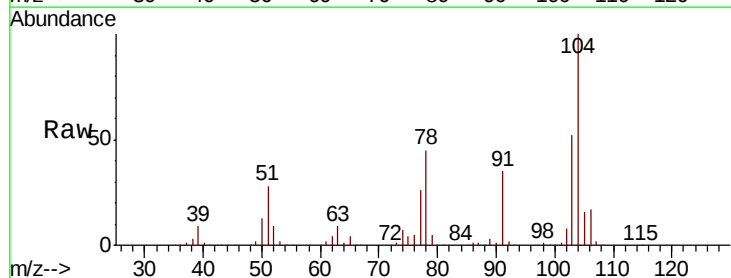
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 178606
Ion Ratio Lower Upper
106 100
91 216.8 105.1 315.1



#70
Styrene
Concen: 52.833 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005490.D
Acq: 23 Oct 2018 00:33

Tgt Ion:104 Resp: 305930
Ion Ratio Lower Upper
104 100
78 50.7 37.4 56.0
103 55.9 43.8 65.6





#71

Bromoform

Concen: 50.901 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

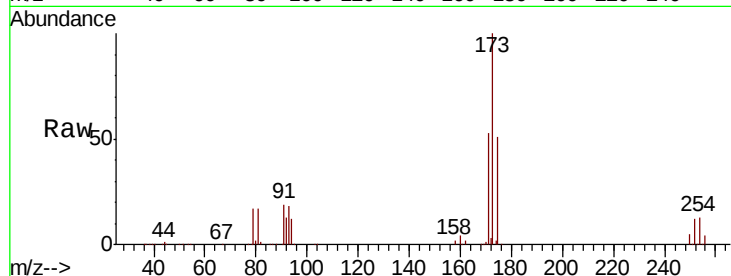
Tot Ion:173 Resp: 93775

Ion Ratio Lower Upper

173 100

175 49.0 24.1 72.3

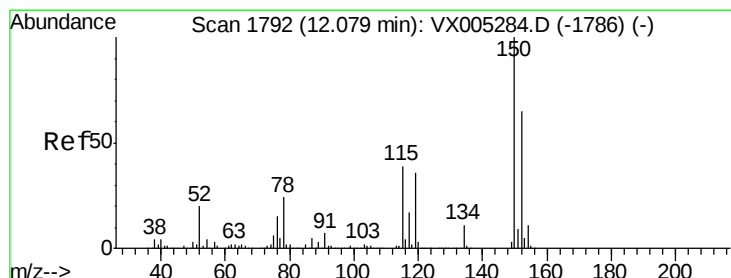
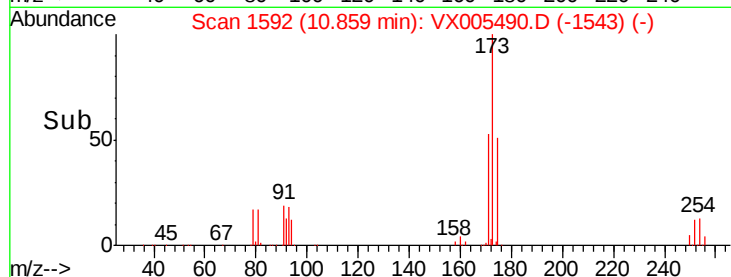
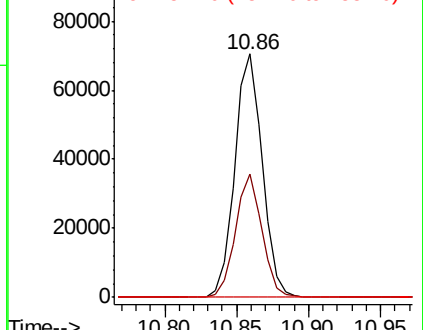
254 0.2 0.2 0.2#



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: VX005490.D

Acq: 23 Oct 2018 00:33

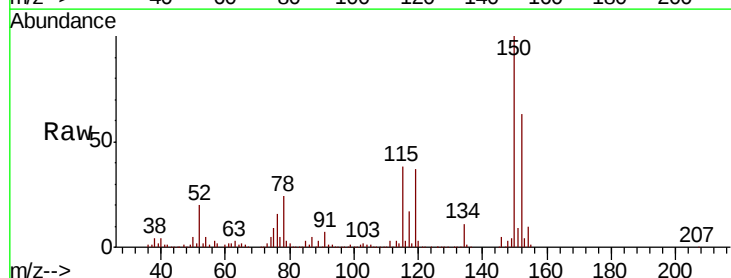
Tgt Ion:152 Resp: 156544

Ion Ratio Lower Upper

152 100

115 78.2 39.0 117.0

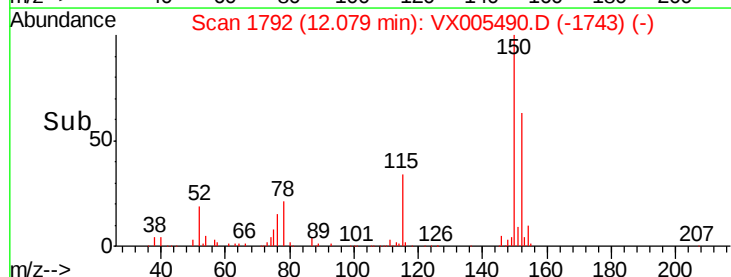
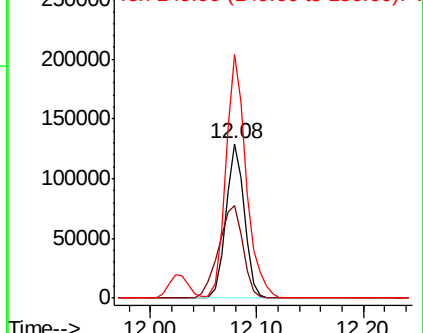
150 174.3 0.0 351.0

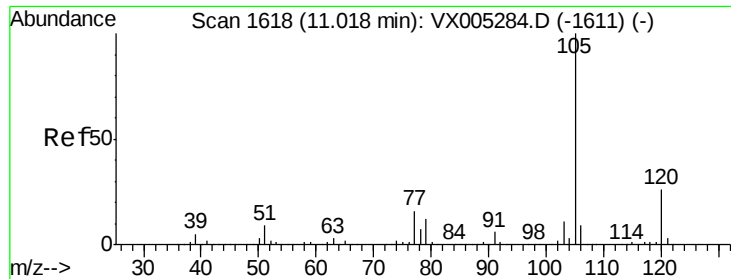


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.755 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

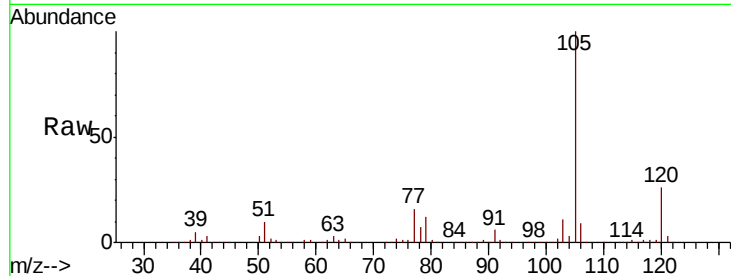
VSTDCCC050

Tot Ion:105 Resp: 490939

Ion Ratio Lower Upper

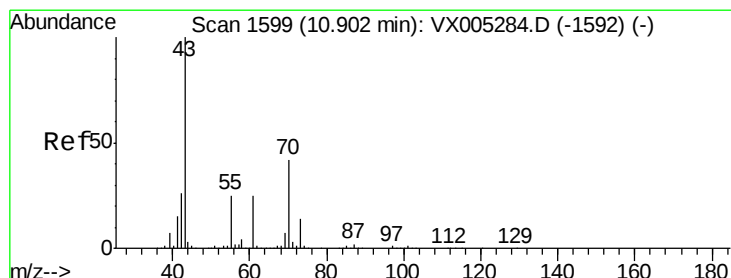
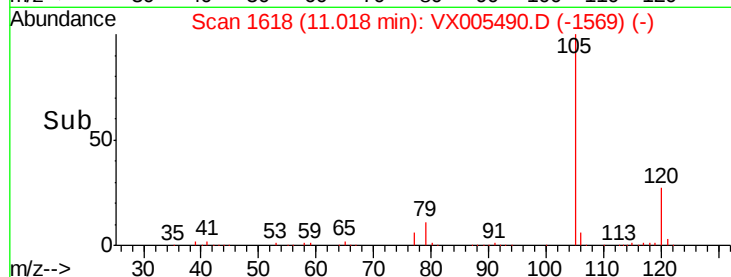
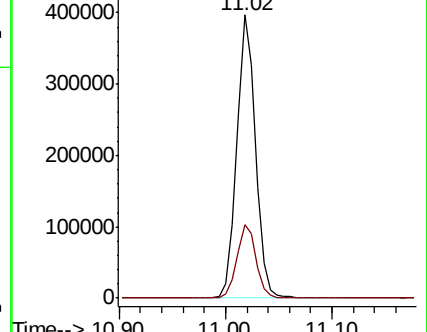
105 100

120 26.5 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 55.129 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Tgt Ion: 43 Resp: 247444

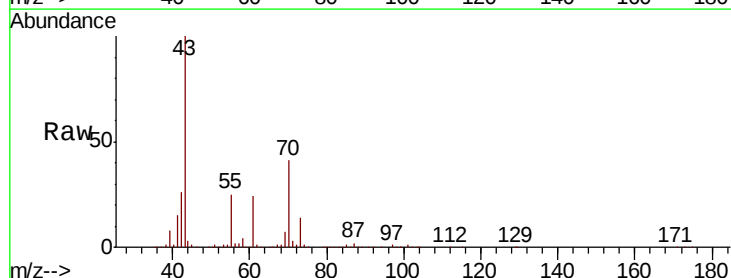
Ion Ratio Lower Upper

43 100

70 39.7 37.4 56.0

55 25.3 21.8 32.8

61 23.2 20.6 30.8

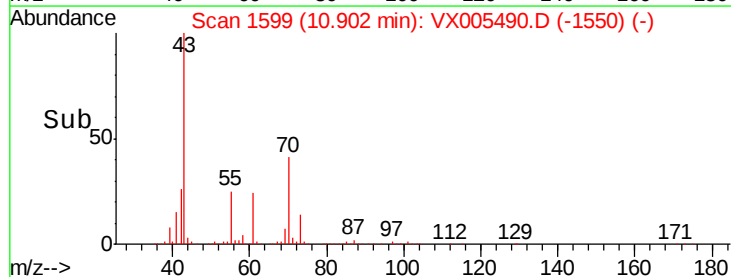
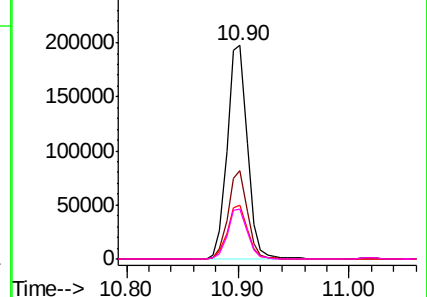


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.430 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

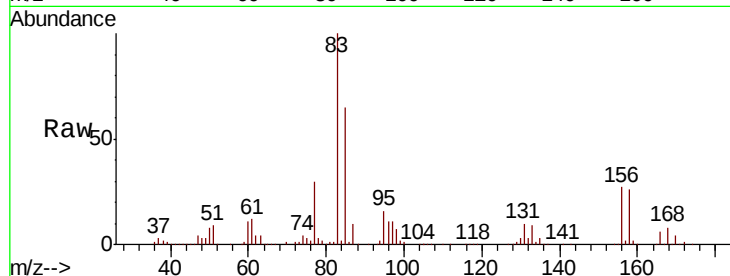
Tot Ion: 83 Resp: 177034

Ion Ratio Lower Upper

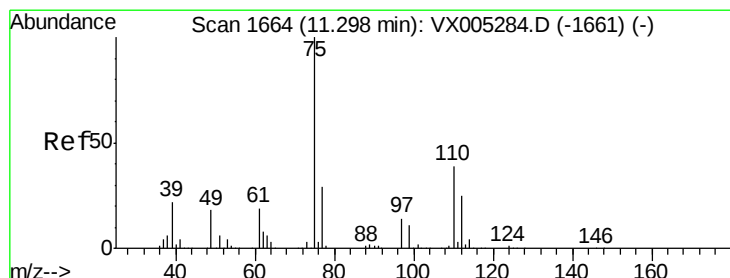
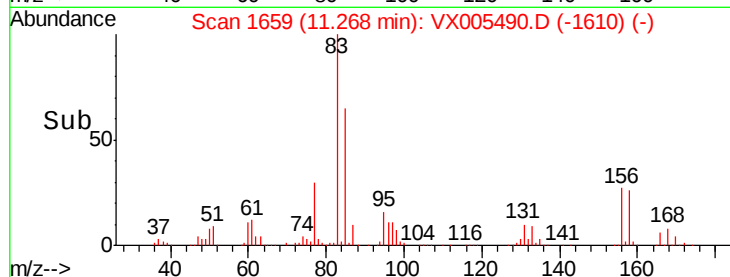
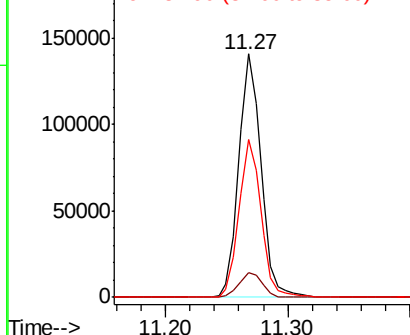
83 100

131 10.5 5.2 15.6

85 64.2 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: 67.463 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX005490.D

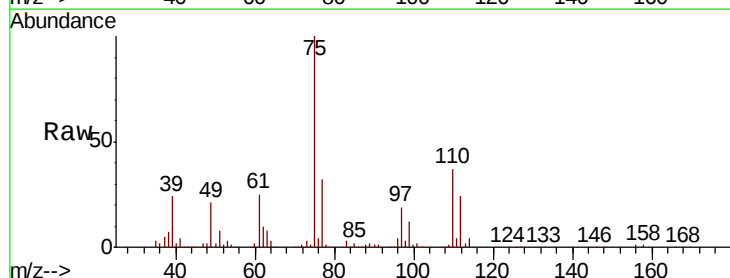
Acq: 23 Oct 2018 00:33

Tgt Ion: 75 Resp: 204852

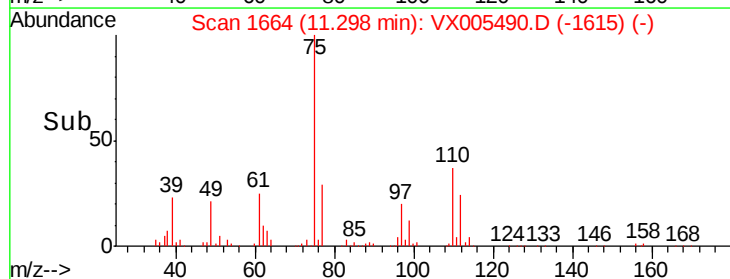
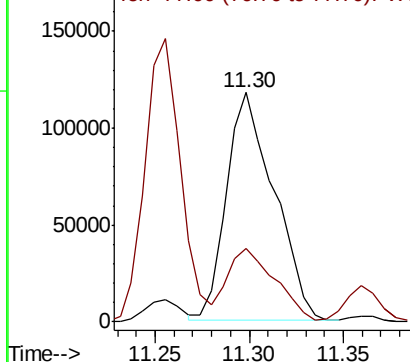
Ion Ratio Lower Upper

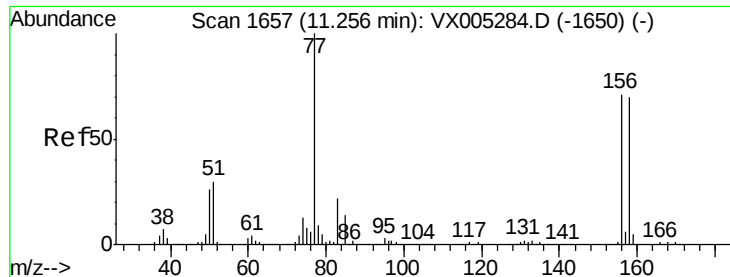
75 100

77 32.4 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: 49.655 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

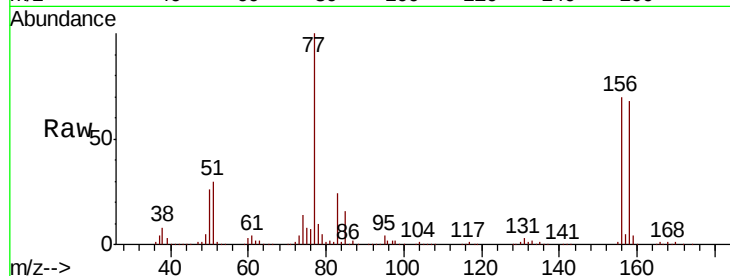
Tot Ion:156 Resp: 132125

Ion Ratio Lower Upper

156 100

77 146.9 71.5 214.3

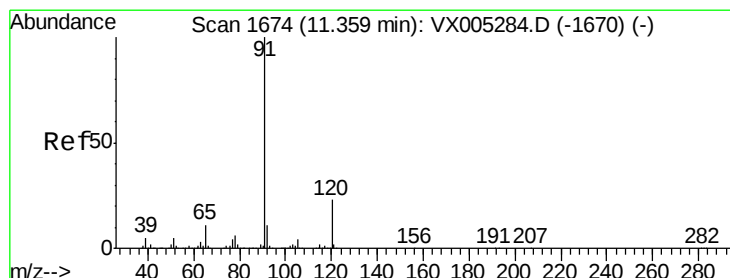
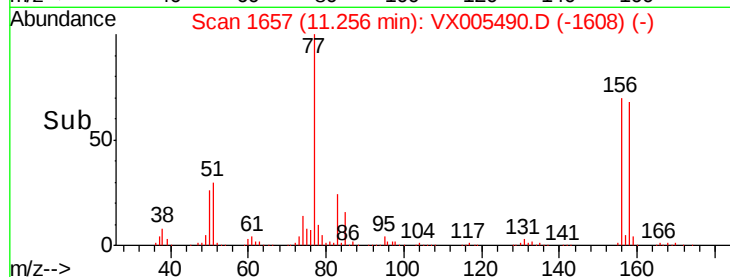
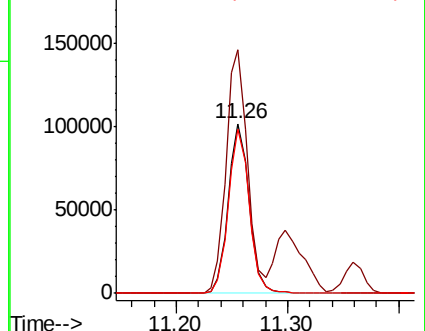
158 96.8 48.9 146.8



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: 52.701 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005490.D

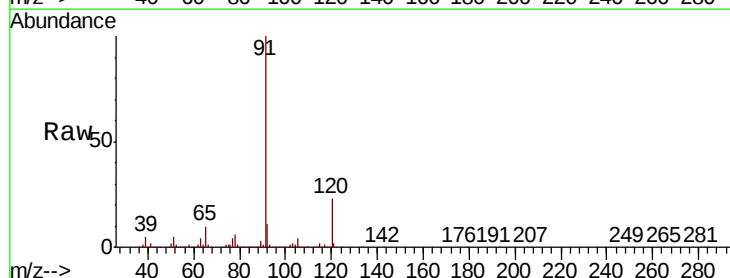
Acq: 23 Oct 2018 00:33

Tgt Ion: 91 Resp: 564366

Ion Ratio Lower Upper

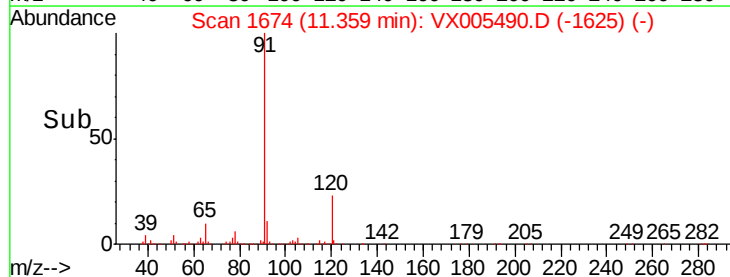
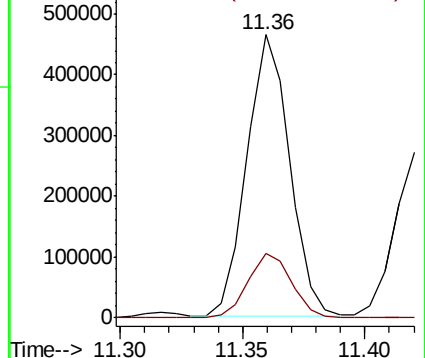
91 100

120 23.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

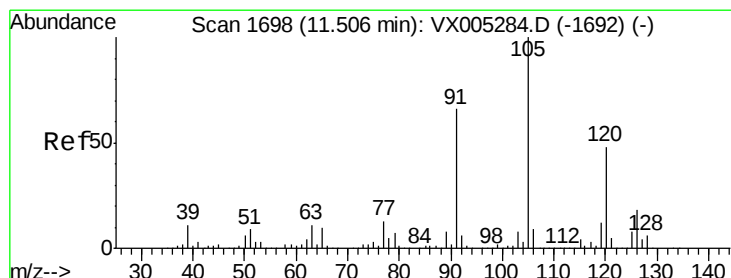
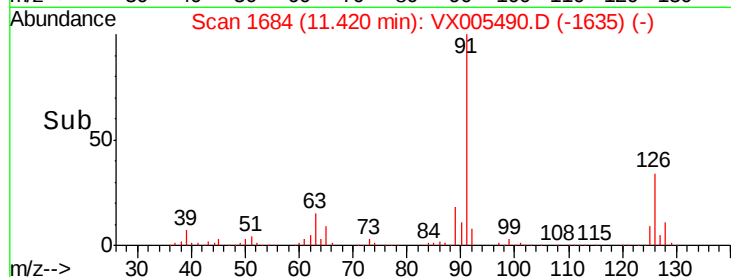
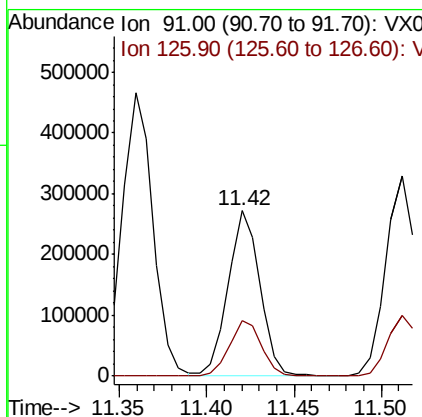
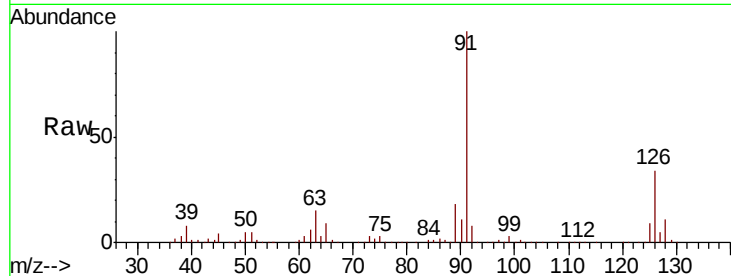




#79
 2-Chlorotoluene
 Concen: 52.187 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX005490.D
 Acq: 23 Oct 2018 00:33

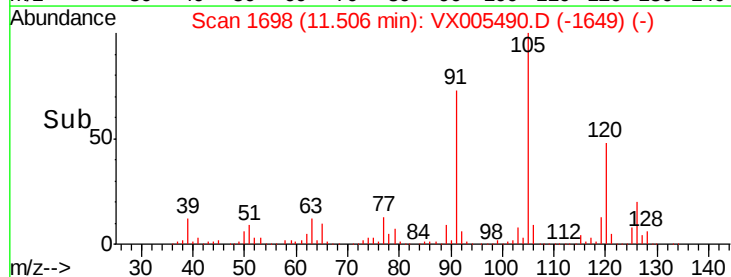
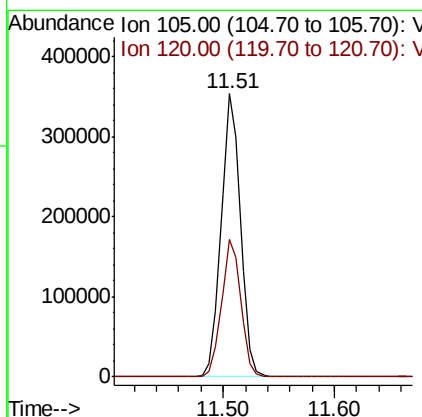
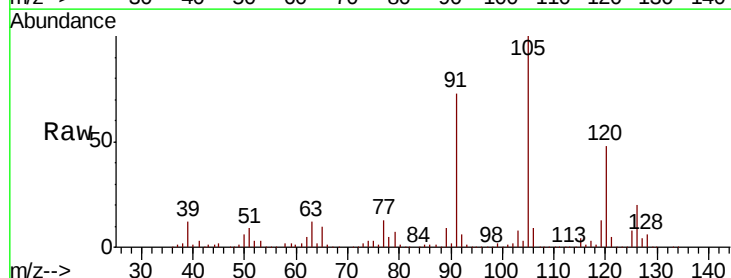
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

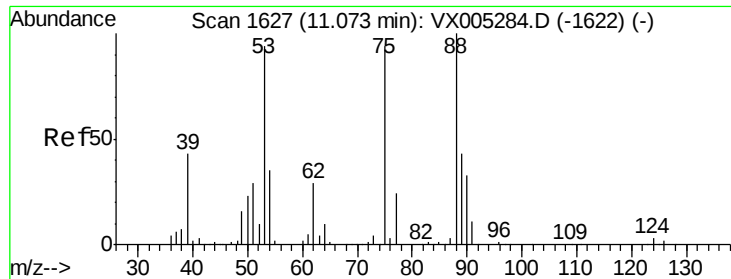
Tot Ion: 91 Resp: 342270
 Ion Ratio Lower Upper
 91 100
 126 34.3 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 53.135 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005490.D
 Acq: 23 Oct 2018 00:33

Tgt Ion: 105 Resp: 423445
 Ion Ratio Lower Upper
 105 100
 120 48.5 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 49.214 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

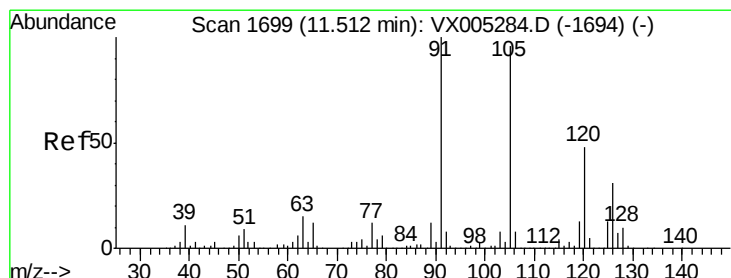
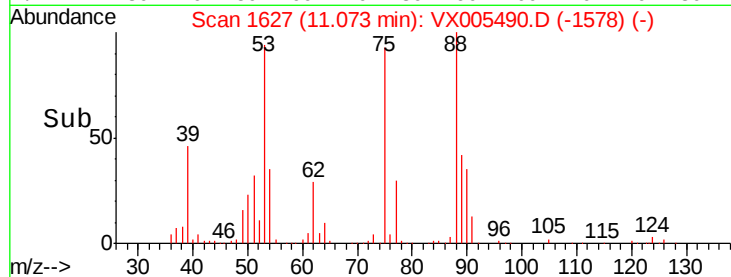
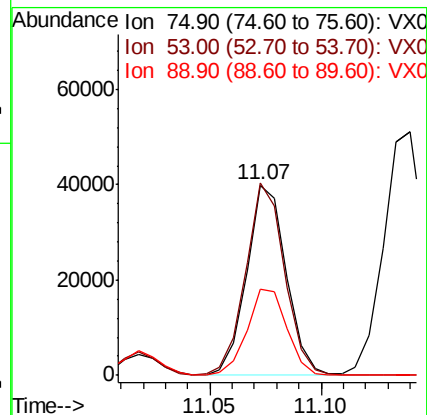
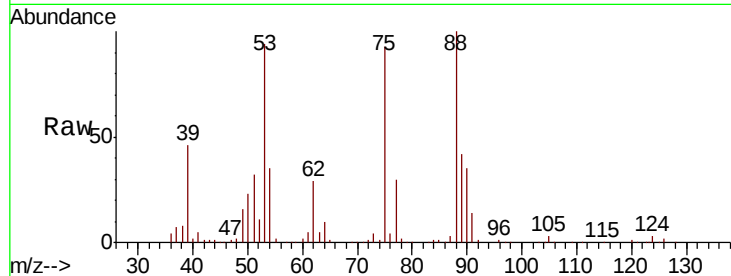
Tot Ion: 75 Resp: 49182

Ion Ratio Lower Upper

75 100

53 100.1 80.1 120.1

89 46.4 37.2 55.8



#82

4-Chlorotoluene

Concen: 51.889 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005490.D

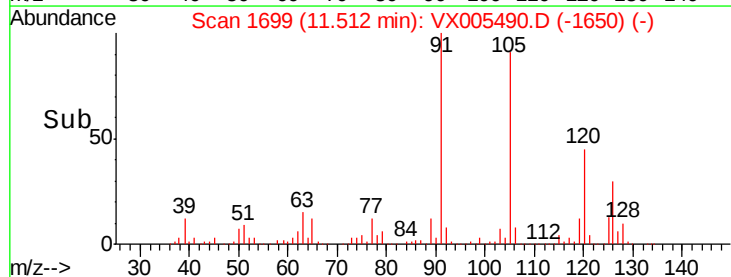
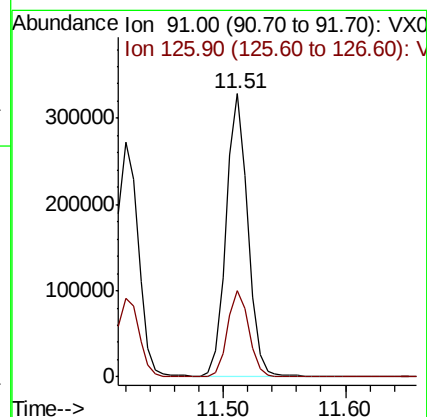
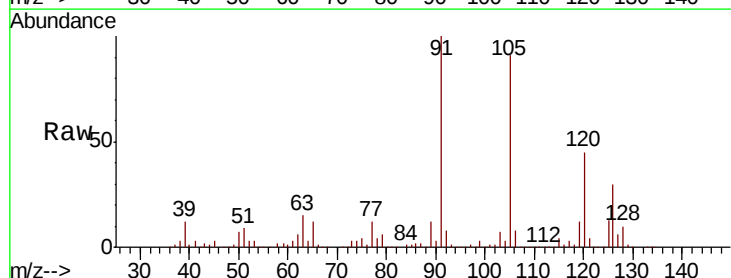
Acq: 23 Oct 2018 00:33

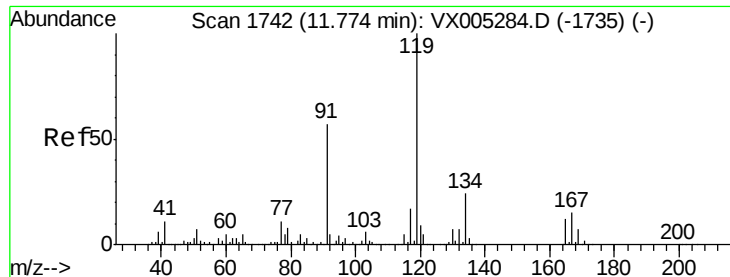
Tgt Ion: 91 Resp: 403412

Ion Ratio Lower Upper

91 100

126 30.1 15.5 46.5

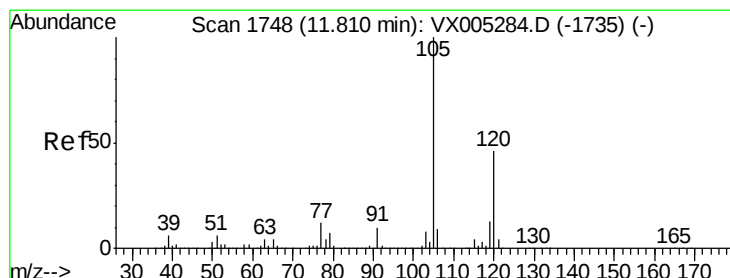
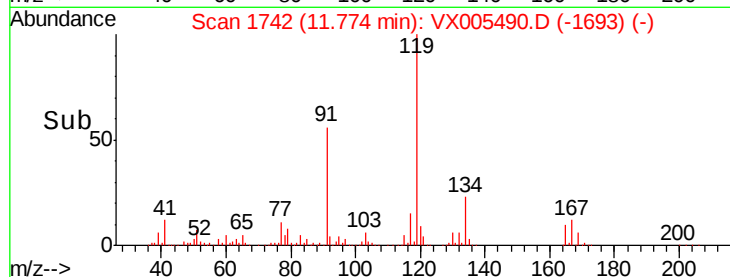
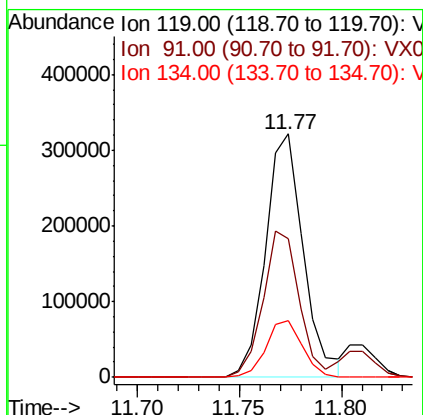
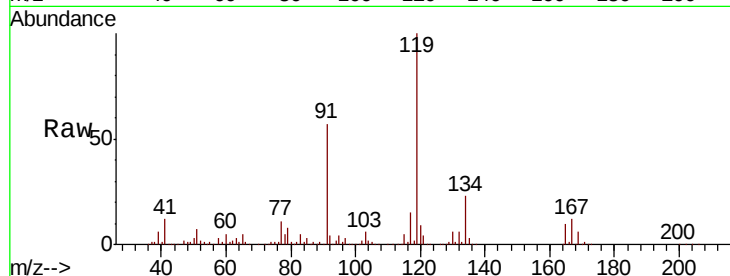




#83
 tert-Butylbenzene
 Concen: 51.513 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX005490.D
 Acq: 23 Oct 2018 00:33

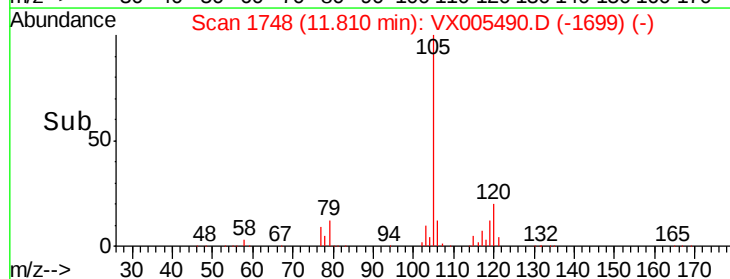
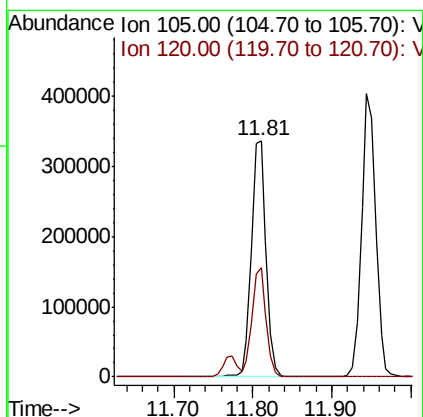
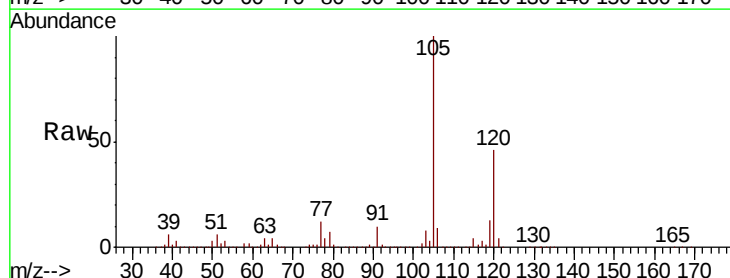
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

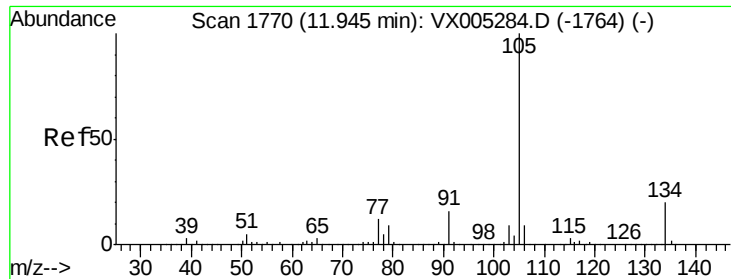
Tot Ion:119 Resp: 415711
 Ion Ratio Lower Upper
 119 100
 91 57.4 27.0 81.0
 134 22.7 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 52.936 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX005490.D
 Acq: 23 Oct 2018 00:33

Tgt Ion:105 Resp: 434135
 Ion Ratio Lower Upper
 105 100
 120 44.6 23.2 69.6





#85

sec-Butylbenzene

Concen: 52.704 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

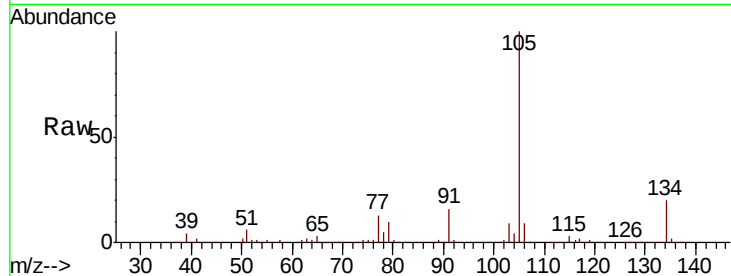
VSTDCCC050

Tot Ion:105 Resp: 503336

Ion Ratio Lower Upper

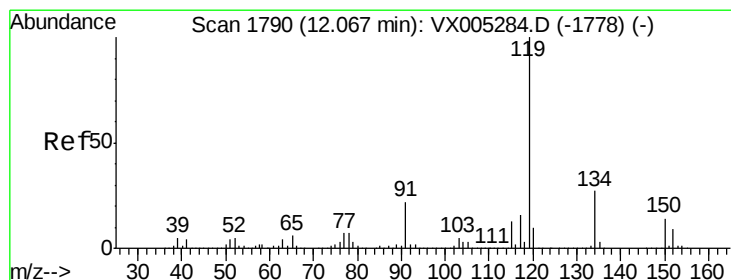
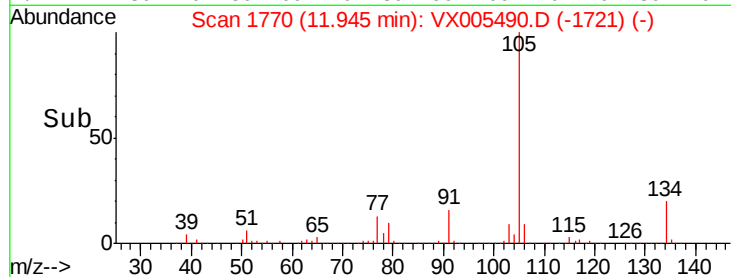
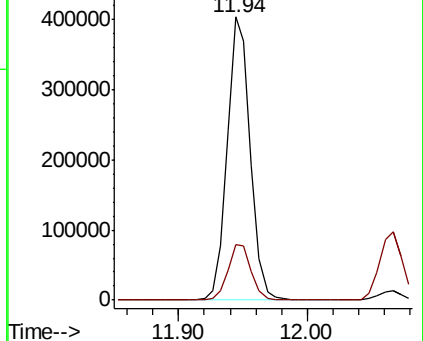
105 100

134 20.1 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: 52.266 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

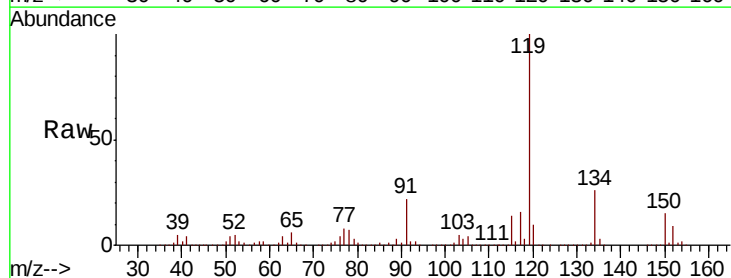
Tgt Ion:119 Resp: 451159

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

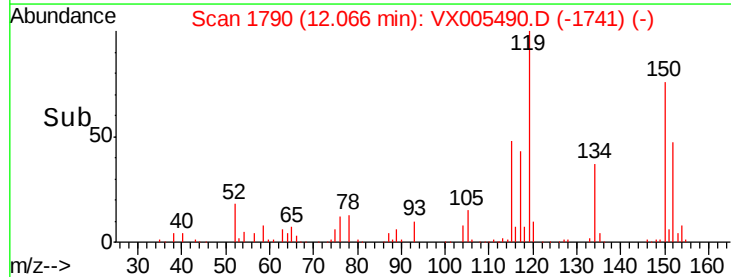
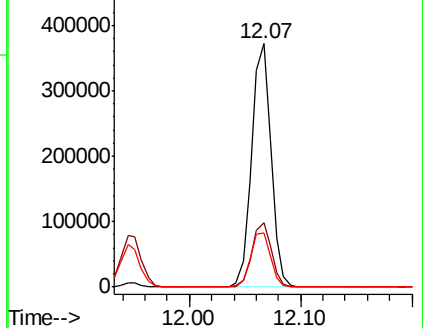
91 23.1 10.9 32.7

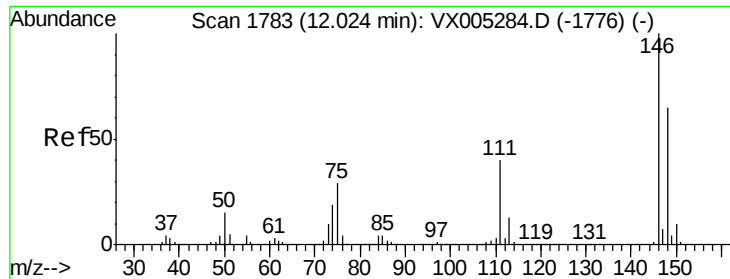


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

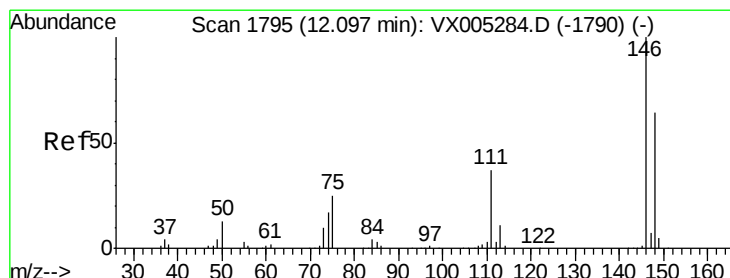
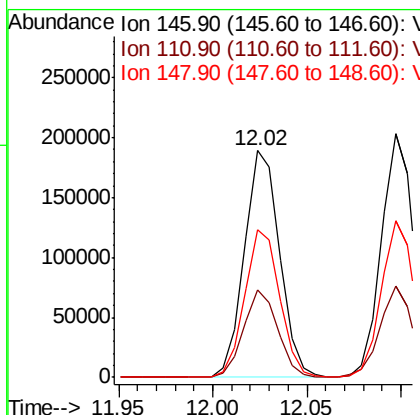
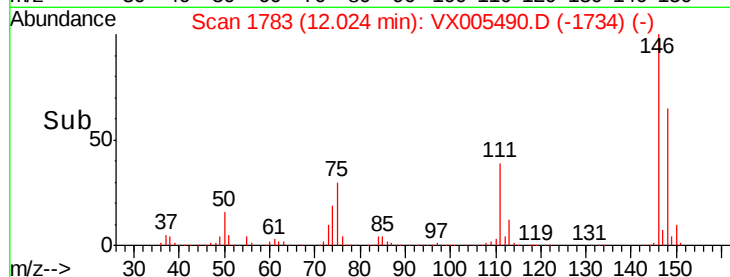
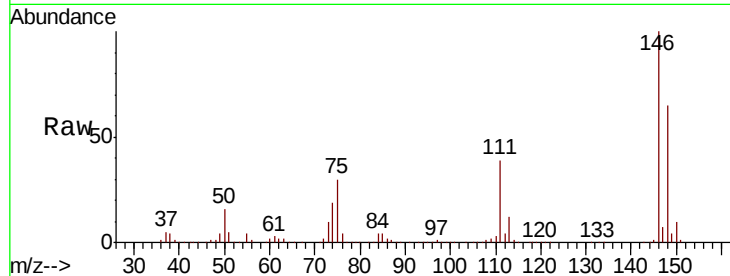




#87
 1,3-Dichlorobenzene
 Concen: 49.457 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005490.D
 Acq: 23 Oct 2018 00:33

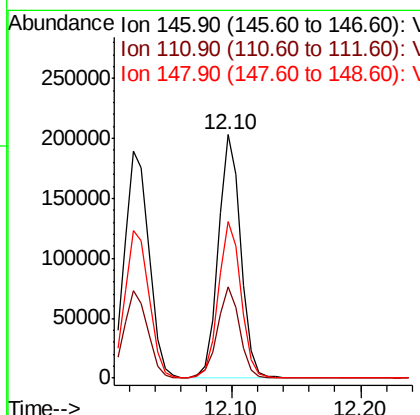
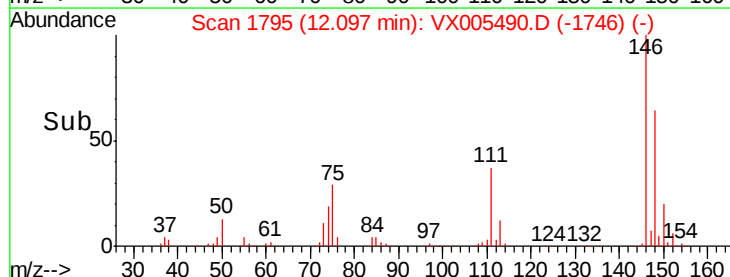
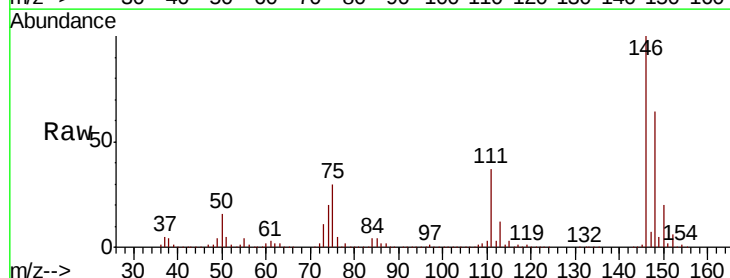
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 245907
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.7 56.1
 148 64.6 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 48.983 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005490.D
 Acq: 23 Oct 2018 00:33

Tgt Ion:146 Resp: 249152
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.1 54.1
 148 64.9 32.0 96.0





#89

n-Butylbenzene

Concen: 51.064 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

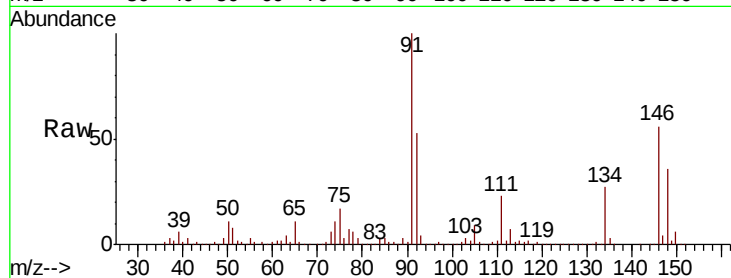
Tot Ion: 91 Resp: 400213

Ion Ratio Lower Upper

91 100

92 52.2 27.3 81.9

134 26.3 13.6 40.7

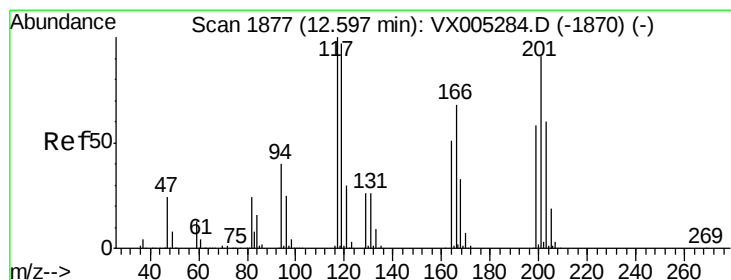
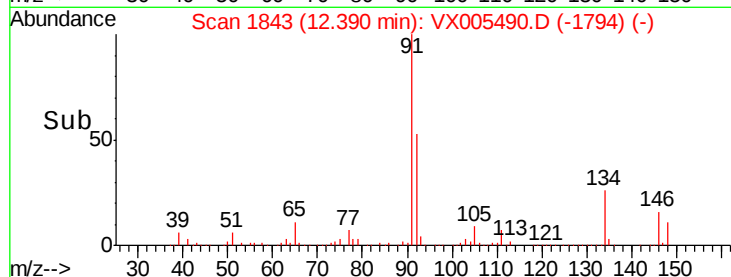


Abundance Ion 91.00 (90.70 to 91.70): VX005284.D (-1835) (-)

Ion 92.00 (91.70 to 92.70): VX005284.D (-1835) (-)

Ion 134.00 (133.70 to 134.70): VX005284.D (-1835) (-)

Time--> 12.30 12.40 12.50



#90

Hexachloroethane

Concen: 48.862 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX005490.D

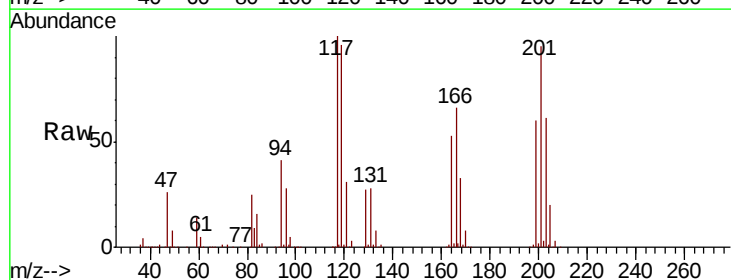
Acq: 23 Oct 2018 00:33

Tgt Ion: 117 Resp: 72689

Ion Ratio Lower Upper

117 100

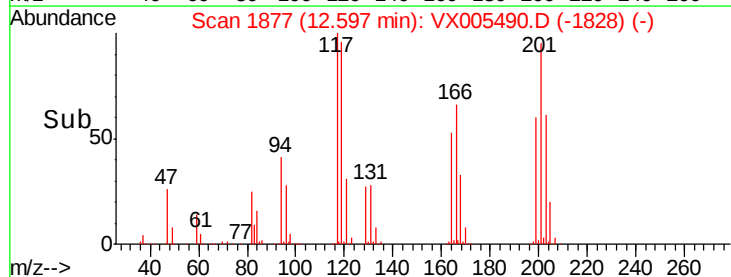
201 95.5 46.9 140.6



Abundance Ion 116.80 (116.50 to 117.50): VX005284.D (-1870) (-)

Ion 200.70 (200.40 to 201.40): VX005284.D (-1870) (-)

Time--> 12.55 12.60 12.65





#91

1,2-Dichlorobenzene

Concen: 49.483 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

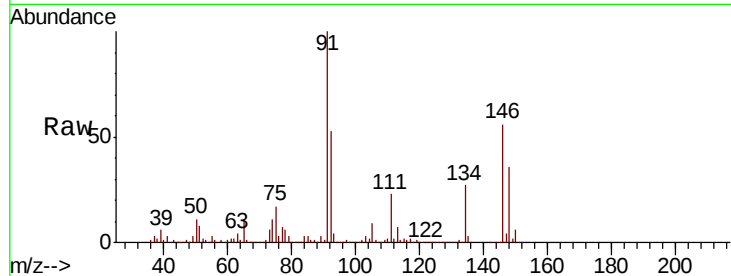
Tot Ion:146 Resp: 251071

Ion Ratio Lower Upper

146 100

111 39.2 19.4 58.1

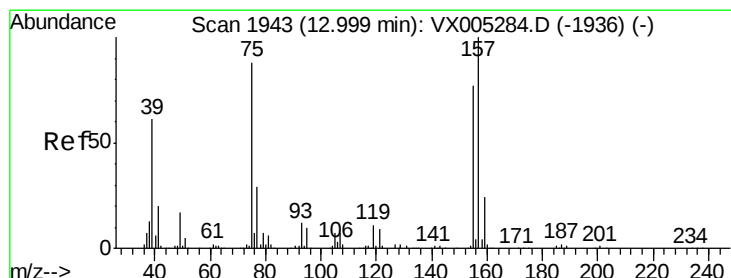
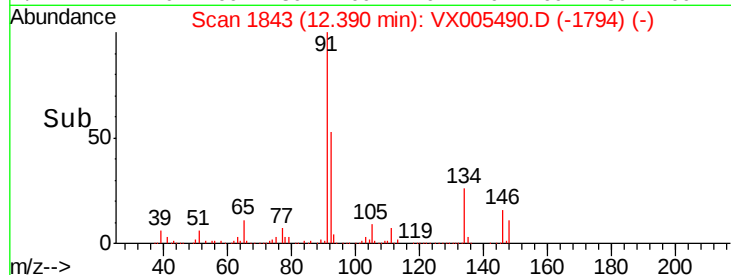
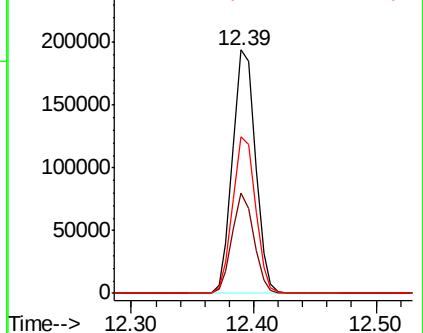
148 64.2 32.8 98.3



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: 51.539 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

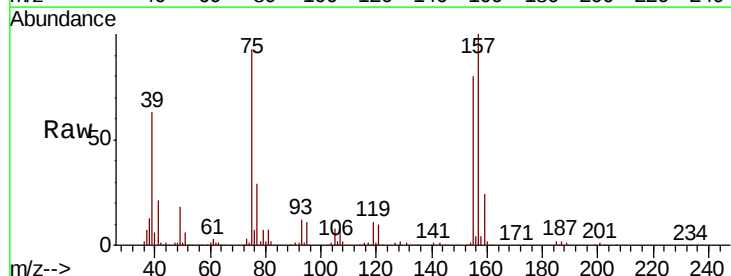
Tgt Ion: 75 Resp: 44134

Ion Ratio Lower Upper

75 100

155 91.7 48.0 144.2

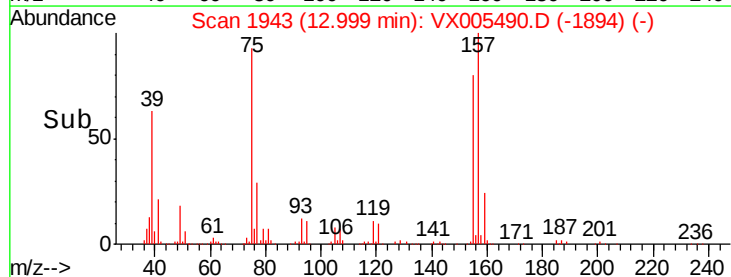
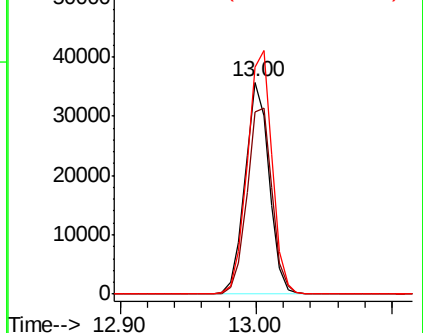
157 118.6 61.4 184.1

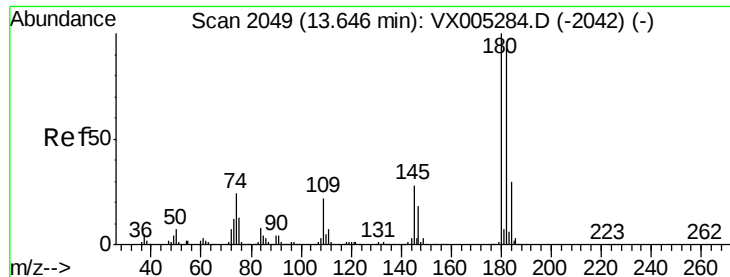


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

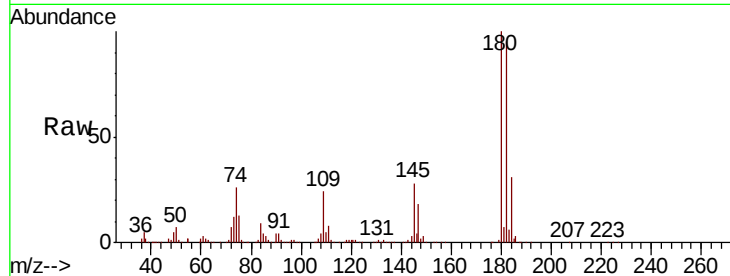




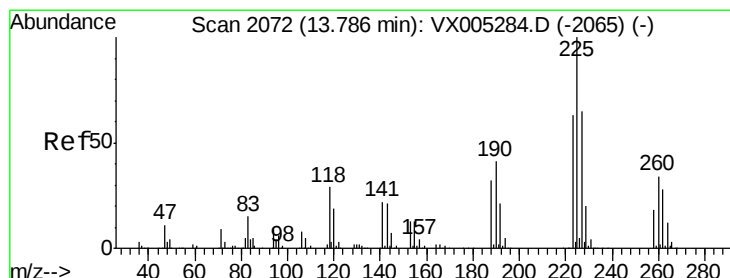
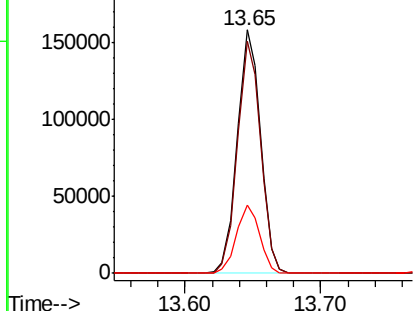
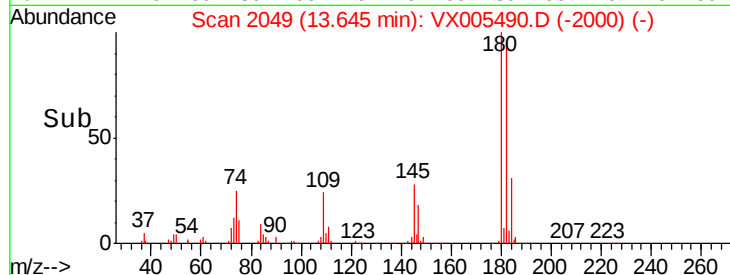
#93
 1,2,4-Trichlorobenzene
 Concen: 50.440 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005490.D
 Acq: 23 Oct 2018 00:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 187769
 Ion Ratio Lower Upper
 180 100
 182 95.3 48.4 145.0
 145 28.1 14.3 42.9

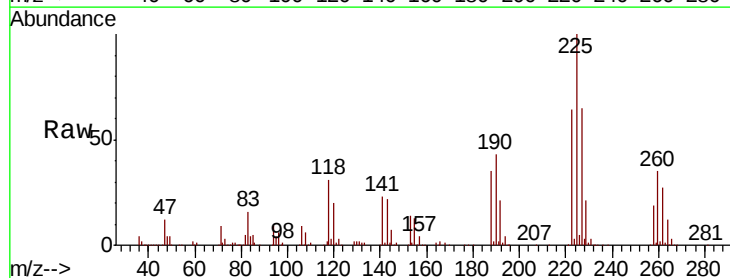


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

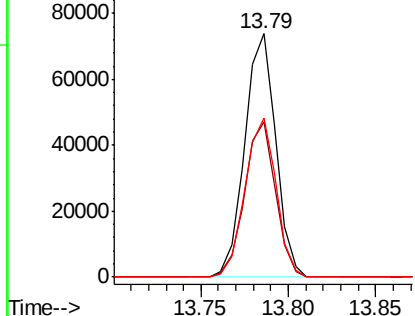
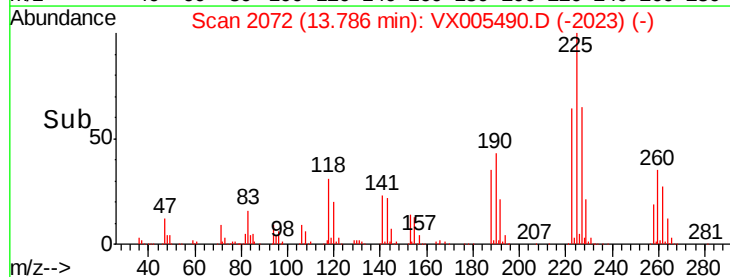


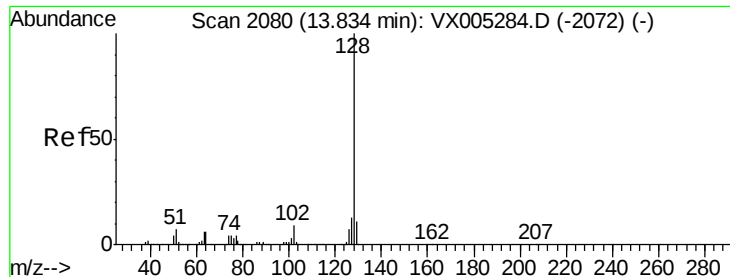
#94
 Hexachlorobutadiene
 Concen: 46.262 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005490.D
 Acq: 23 Oct 2018 00:33

Tgt Ion:225 Resp: 90956
 Ion Ratio Lower Upper
 225 100
 223 63.5 30.1 90.5
 227 65.6 30.8 92.4



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





#95

Naphthalene

Concen: 55.004 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

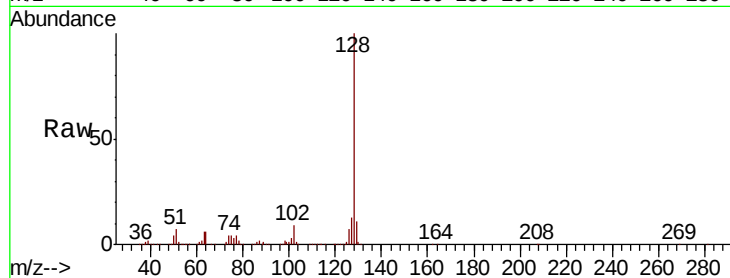
Tot Ion:128 Resp: 593819

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

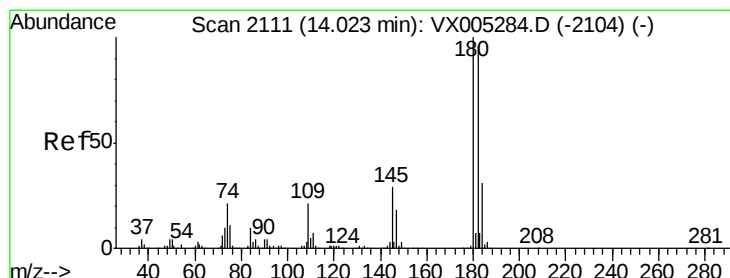
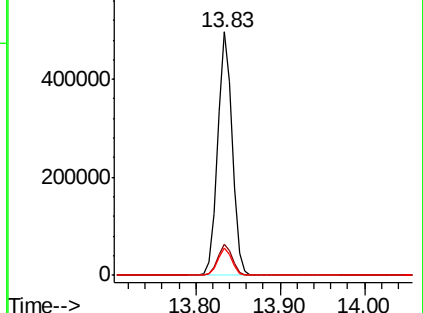
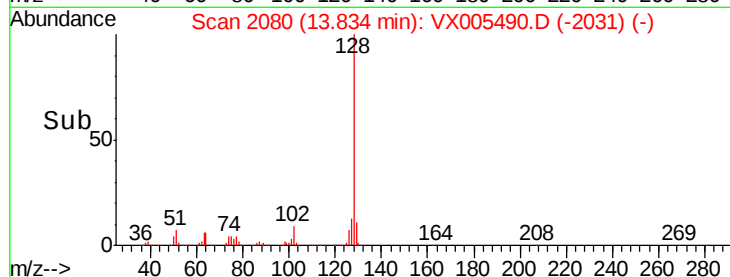
129 10.9 8.6 12.8



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: 51.141 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX005490.D

Acq: 23 Oct 2018 00:33

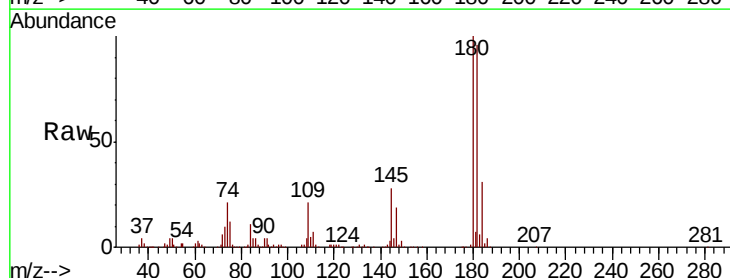
Tgt Ion:180 Resp: 194795

Ion Ratio Lower Upper

180 100

182 95.0 48.5 145.6

145 29.6 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

