

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070319\
 Data File : VX010660.D
 Acq On : 03 Jul 2019 23:02
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 04 03:41:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	219486	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	334759	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	302151	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	152300	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	107011	52.00	ug/l	0.00
Spiked Amount			Recovery	=	104.00%	
35) Dibromofluoromethane	5.50	113	104278	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	
50) Toluene-d8	8.71	98	377103	48.12	ug/l	0.00
Spiked Amount			Recovery	=	96.24%	
62) 4-Bromofluorobenzene	11.13	95	135879	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	96090	62.972	ug/l	99
3) Chloromethane	1.32	50	96240	54.163	ug/l	98
4) Vinyl Chloride	1.41	62	109231	56.126	ug/l	99
5) Bromomethane	1.64	94	54978	57.985	ug/l	99
6) Chloroethane	1.71	64	67165	58.495	ug/l	98
7) Trichlorofluoromethane	1.93	101	185143	60.011	ug/l	98
8) Diethyl Ether	2.19	74	63988	57.835	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	103937	55.592	ug/l	99
10) Methyl Iodide	2.51	142	133540	50.048	ug/l	96
11) Tert butyl alcohol	3.05	59	114580	212.782	ug/l	98
12) 1,1-Dichloroethene	2.37	96	104923	55.151	ug/l	99
13) Acrolein	2.29	56	56124	157.114	ug/l	97
14) Allyl chloride	2.73	41	148708	55.058	ug/l	98
15) Acrylonitrile	3.14	53	292460	274.317	ug/l	99
16) Acetone	2.45	43	231488	224.450	ug/l	97
17) Carbon Disulfide	2.57	76	265378	51.994	ug/l	98
18) Methyl Acetate	2.78	43	148960	72.467	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	338762	56.602	ug/l	99
20) Methylene Chloride	2.85	84	116916	55.085	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	111576	54.531	ug/l	98
22) Diisopropyl ether	3.85	45	318570	56.413	ug/l	95
23) Vinyl Acetate	3.82	43	1169882	239.806	ug/l	98
24) 1,1-Dichloroethane	3.70	63	182166	55.807	ug/l	100
25) 2-Butanone	4.67	43	389643	257.552	ug/l	100
26) 2,2-Dichloropropane	4.59	77	117610	41.476	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	128986	54.552	ug/l	99
28) Bromochloromethane	5.01	49	79432	50.896	ug/l	96
29) Tetrahydrofuran	5.13	42	257128	274.392	ug/l	99
30) Chloroform	5.21	83	196355	55.908	ug/l	99
31) Cyclohexane	5.58	56	167722	56.424	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	173104	55.819	ug/l	99
36) 1,1-Dichloropropene	5.80	75	144894	54.468	ug/l	98
37) Ethyl Acetate	4.83	43	146469	53.521	ug/l	99
38) Carbon Tetrachloride	5.79	117	153462	53.274	ug/l	98

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
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 ClientSampleID :
 VSTDCCC050EC

Quant Time: Jul 04 03:41:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	184282	52.701	ug/l	97
40) Benzene	6.14	78	451362	54.462	ug/l	100
41) Methacrylonitrile	5.04	41	83951	55.909	ug/l	97
42) 1,2-Dichloroethane	6.20	62	148296	58.783	ug/l	97
43) Isopropyl Acetate	6.45	43	241258	53.284	ug/l	97
44) Trichloroethene	7.21	130	128242	51.713	ug/l	99
45) 1,2-Dichloropropane	7.51	63	113085	54.033	ug/l	97
46) Dibromomethane	7.66	93	82738	55.100	ug/l	96
47) Bromodichloromethane	7.90	83	148225	53.864	ug/l	98
48) Methyl methacrylate	7.77	41	120262	57.143	ug/l	98
49) 1,4-Dioxane	7.74	88	55111	909.008	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	786790	271.700	ug/l	98
52) Toluene	8.79	92	293850	53.841	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	156653	50.775	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	176643	52.686	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	122051	54.223	ug/l	98
56) Ethyl methacrylate	9.18	69	183556	53.832	ug/l	97
57) 1,3-Dichloropropane	9.37	76	190280	54.458	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	389914	240.775	ug/l	98
59) 2-Hexanone	9.49	43	586782	257.462	ug/l	98
60) Dibromochloromethane	9.58	129	131237	52.073	ug/l	98
61) 1,2-Dibromoethane	9.67	107	132757	54.642	ug/l	100
64) Tetrachloroethene	9.34	164	116589	47.707	ug/l	97
65) Chlorobenzene	10.13	112	325768	53.106	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	119844	53.636	ug/l	99
67) Ethyl Benzene	10.25	91	560849	54.157	ug/l	98
68) m/p-Xylenes	10.36	106	430795	107.359	ug/l	99
69) o-Xylene	10.69	106	210101	53.243	ug/l	99
70) Styrene	10.71	104	358484	54.170	ug/l	99
71) Bromoform	10.85	173	98669	50.779	ug/l	99
73) Isopropylbenzene	11.02	105	555390	53.796	ug/l	98
74) N-amyl acetate	10.90	43	170717	43.755	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	183758	53.745	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	197479	71.156	ug/l	80
77) Bromobenzene	11.26	156	150154	52.087	ug/l	98
78) n-propylbenzene	11.36	91	619173	54.569	ug/l	99
79) 2-Chlorotoluene	11.42	91	361644	53.524	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	455402	53.508	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	52637	44.246	ug/l	93
82) 4-Chlorotoluene	11.51	91	421129	54.775	ug/l	99
83) tert-Butylbenzene	11.77	119	461793	54.059	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	464785	54.355	ug/l	100
85) sec-Butylbenzene	11.94	105	535138	53.355	ug/l	99
86) p-Isopropyltoluene	12.06	119	494854	53.340	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	261157	51.899	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	259546	50.664	ug/l	99
89) n-Butylbenzene	12.38	91	416039	52.774	ug/l	99
90) Hexachloroethane	12.60	117	81437	50.766	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	258410	51.669	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	37119	50.354	ug/l	92

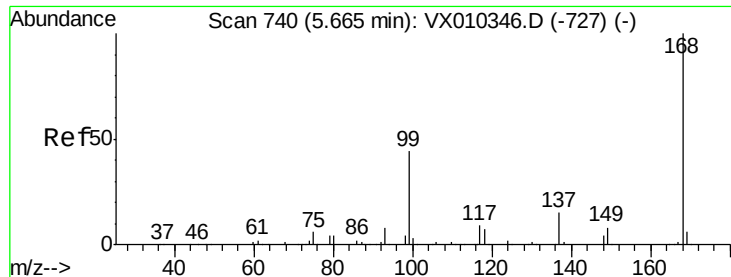
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070319\
Data File : VX010660.D
Acq On : 03 Jul 2019 23:02
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Jul 04 03:41:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	176548	50.904	ug/l	97
94) Hexachlorobutadiene	13.78	225	81681	48.187	ug/l	99
95) Naphthalene	13.83	128	555074	52.079	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	176710	51.245	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

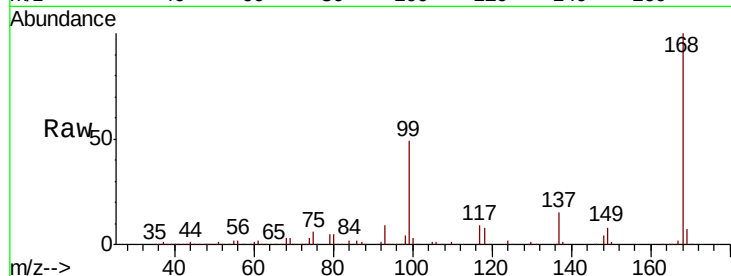
VSTDCCC050EC

Tot Ion:168 Resp: 219486

Ion Ratio Lower Upper

168 100

99 48.4 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): VX010346.D (-727) (-)

Ion 98.90 (98.60 to 99.60): VX010346.D (-727) (-)

5.66

80000

60000

40000

20000

0

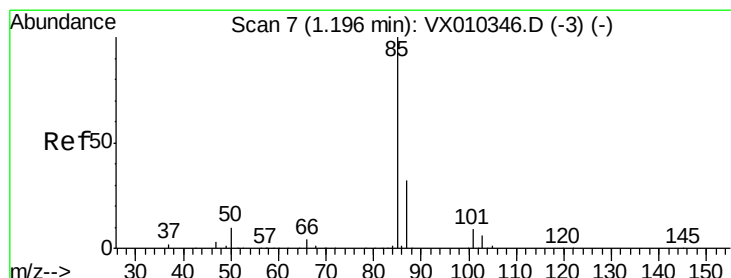
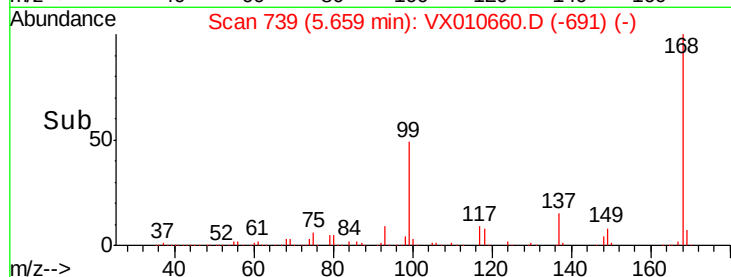
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 62.972 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010660.D

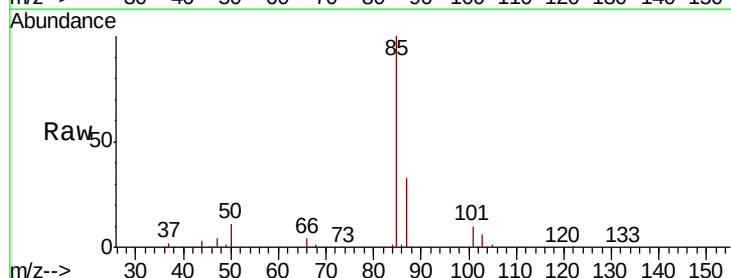
Acq: 03 Jul 2019 23:02

Tgt Ion: 85 Resp: 96090

Ion Ratio Lower Upper

85 100

87 33.1 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX010346.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VX010346.D (-3) (-)

1.20

100000

80000

60000

40000

20000

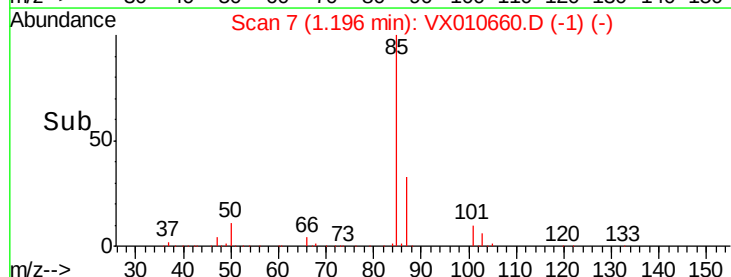
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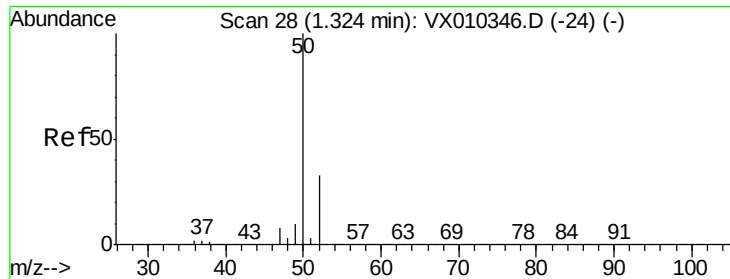
1.15

1.20

1.25

Time-->





#3

Chloromethane

Concen: 54.163 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

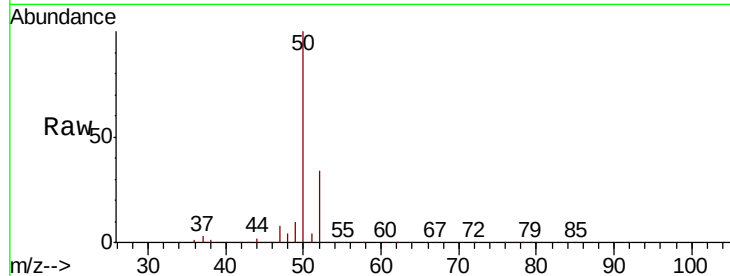
VSTDCCC050EC

Tot Ion: 50 Resp: 96240

Ion Ratio Lower Upper

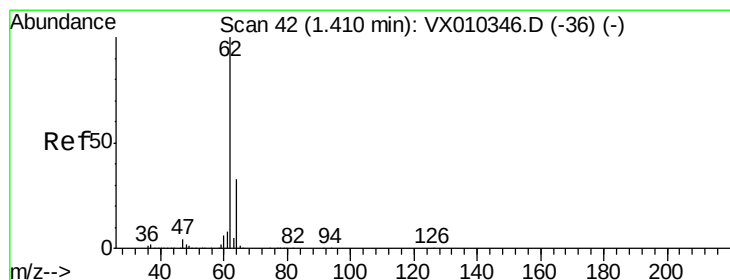
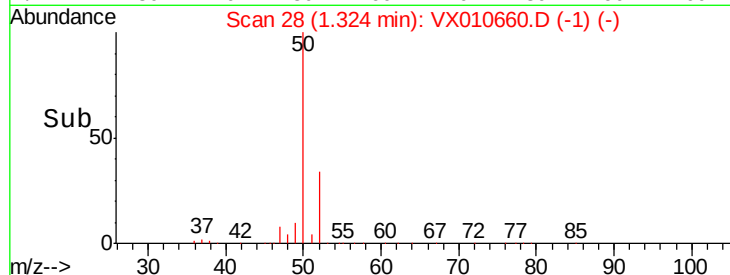
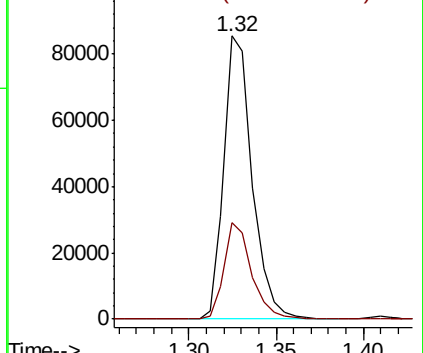
50 100

52 34.1 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 56.126 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010660.D

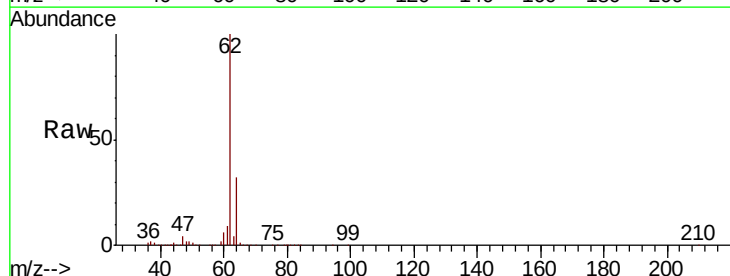
Acq: 03 Jul 2019 23:02

Tgt Ion: 62 Resp: 109231

Ion Ratio Lower Upper

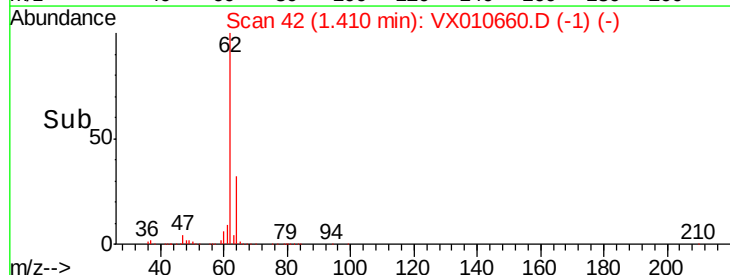
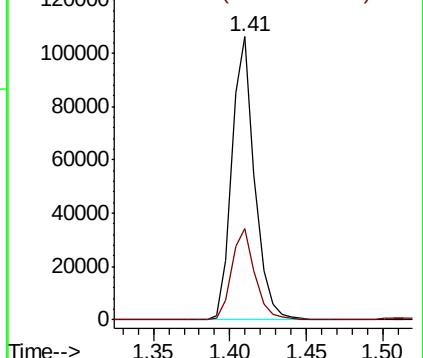
62 100

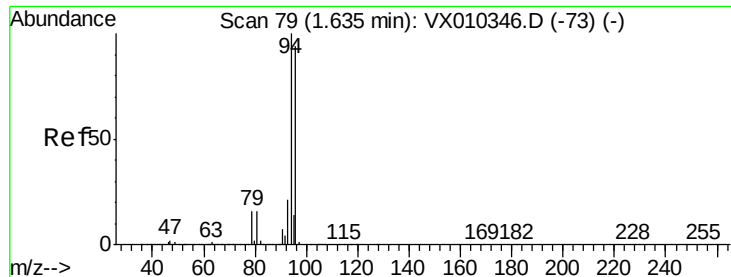
64 32.2 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 57.985 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

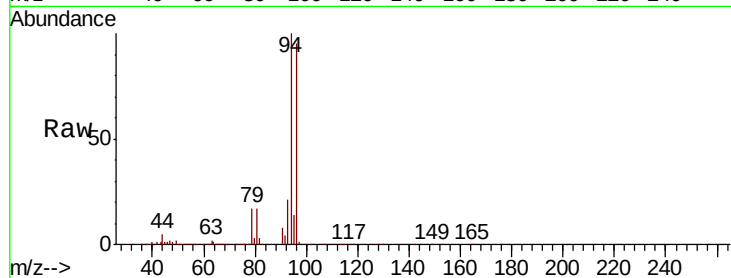
VSTDCCC050EC

Tot Ion: 94 Resp: 54978

Ion Ratio Lower Upper

94 100

96 95.4 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

60000

50000

40000

30000

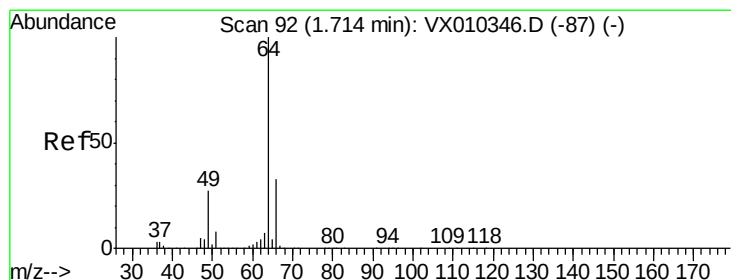
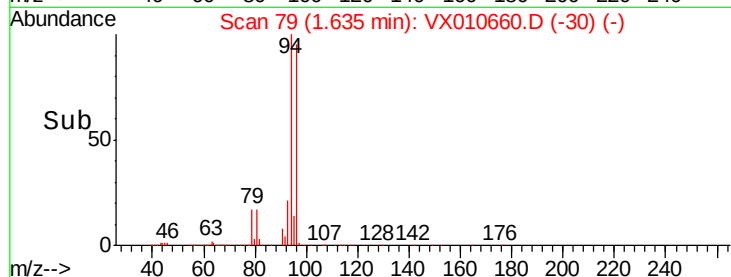
20000

10000

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 58.495 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010660.D

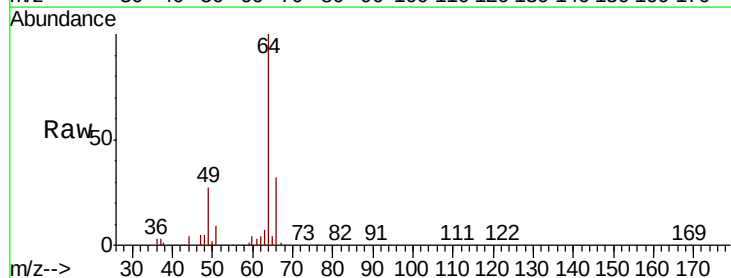
Acq: 03 Jul 2019 23:02

Tgt Ion: 64 Resp: 67165

Ion Ratio Lower Upper

64 100

66 32.3 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

60000

50000

40000

30000

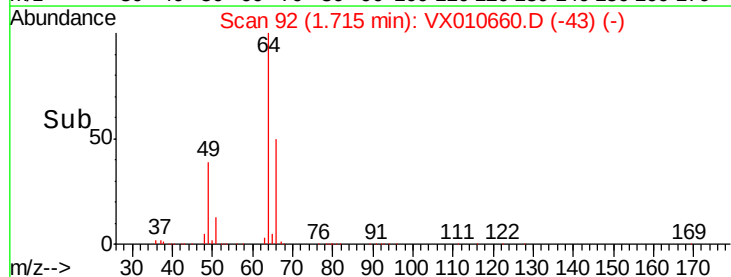
20000

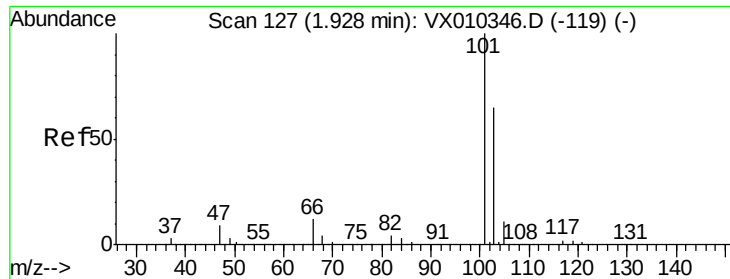
10000

0

1.65 1.70 1.75 1.80 1.85

Time-->



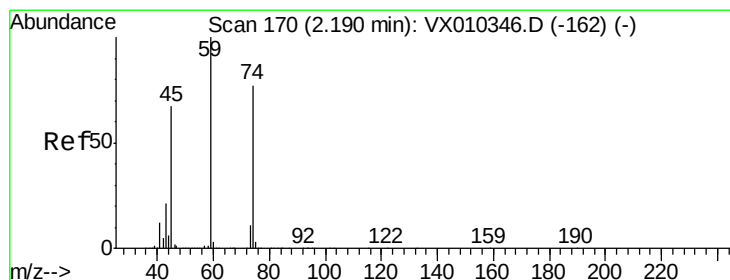
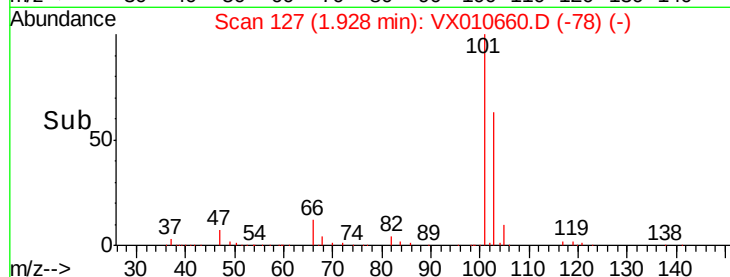
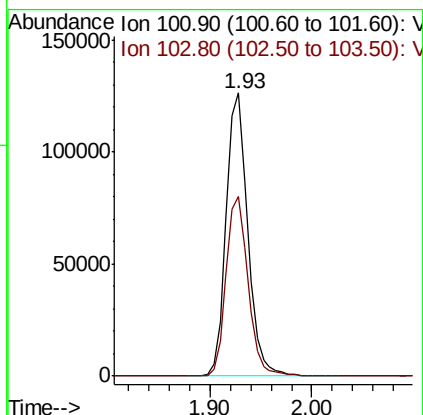
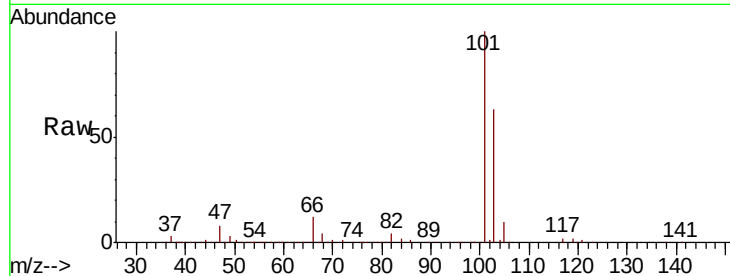


#7

Trichlorofluoromethane
 Concen: 60.011 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

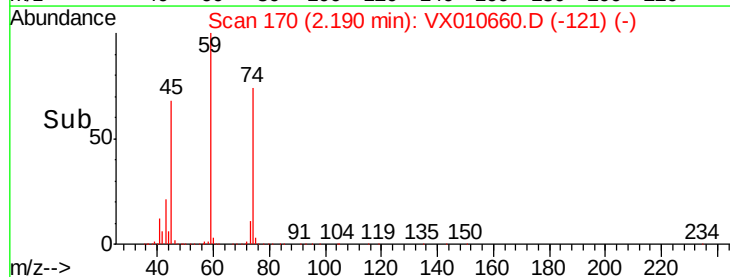
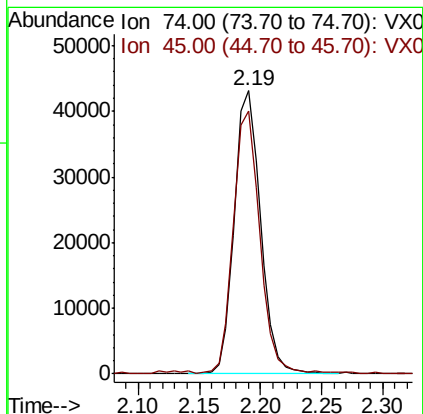
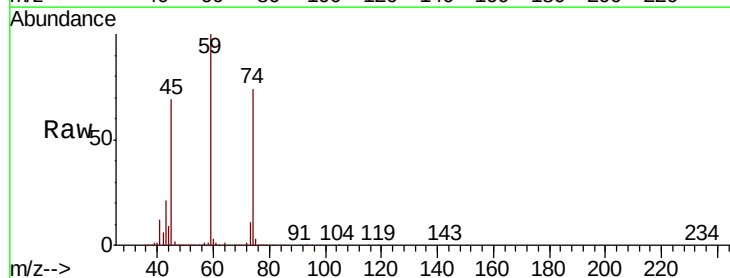
Tot Ion:101 Resp: 185143
 Ion Ratio Lower Upper
 101 100
 103 63.4 52.3 78.5

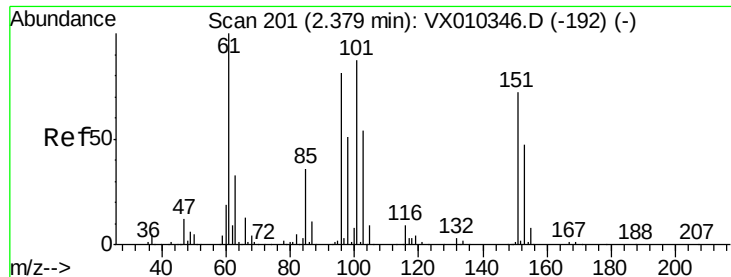


#8

Diethyl Ether
 Concen: 57.835 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

Tgt Ion: 74 Resp: 63988
 Ion Ratio Lower Upper
 74 100
 45 92.5 44.8 134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.592 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

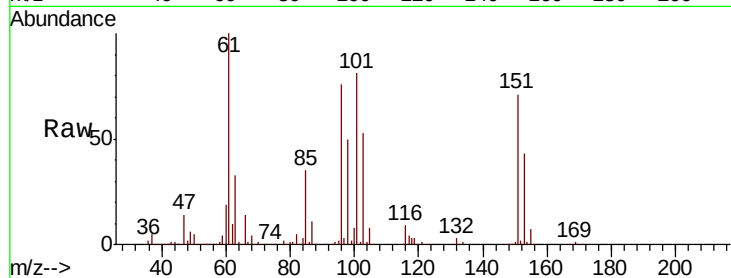
Tot Ion:101 Resp: 103937

Ion Ratio Lower Upper

101 100

85 42.3 33.7 50.5

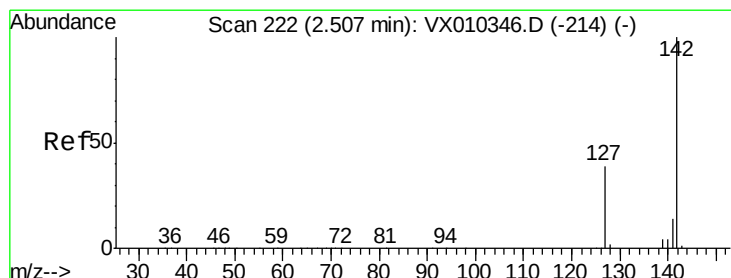
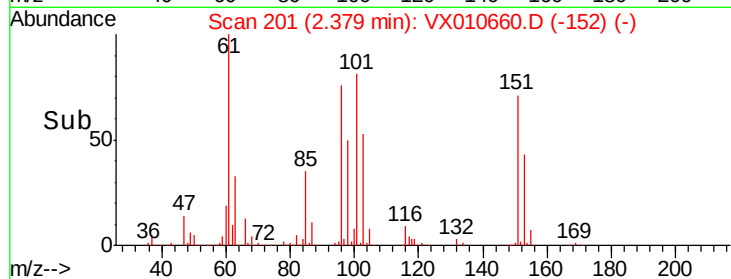
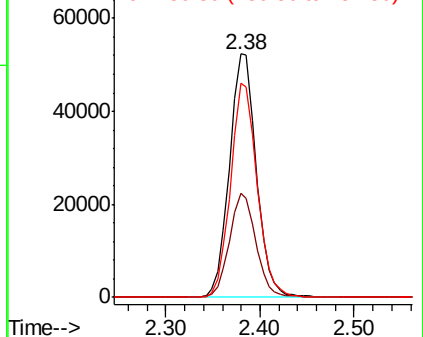
151 86.6 70.1 105.1



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: 50.048 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

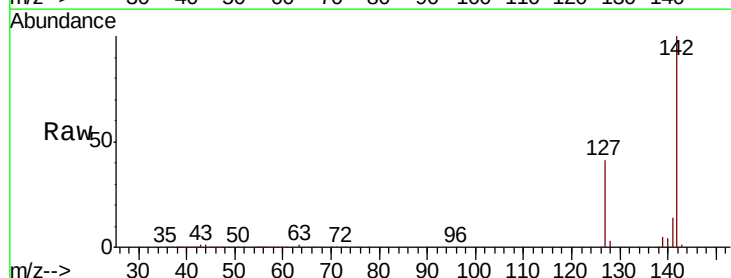
Tgt Ion:142 Resp: 133540

Ion Ratio Lower Upper

142 100

127 41.8 31.1 46.7

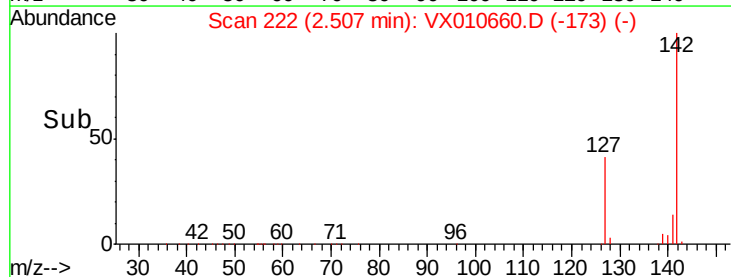
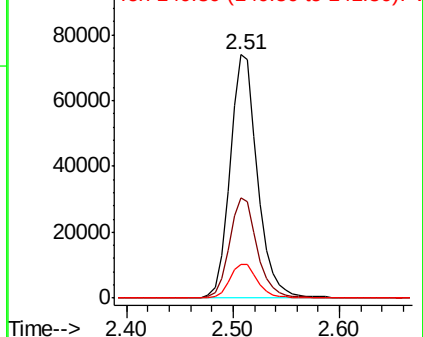
141 14.3 11.2 16.8

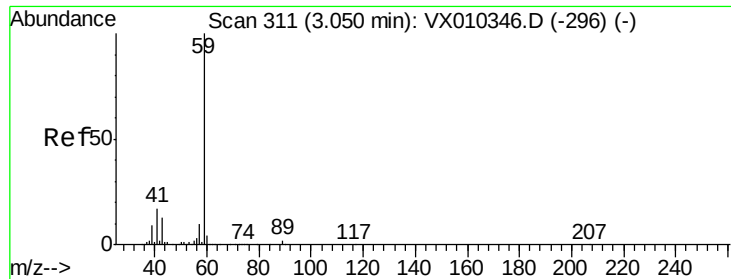


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



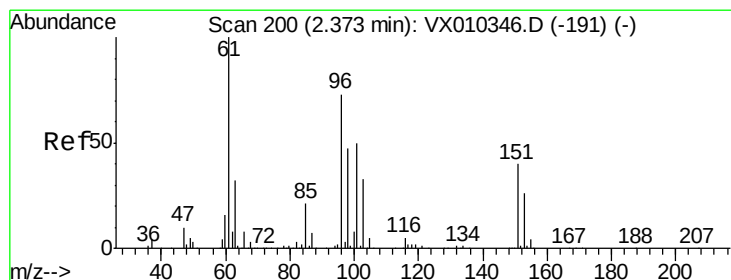
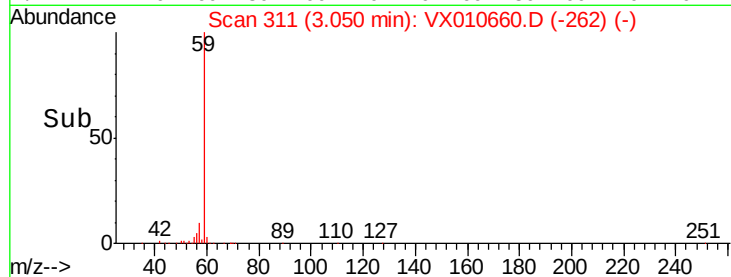
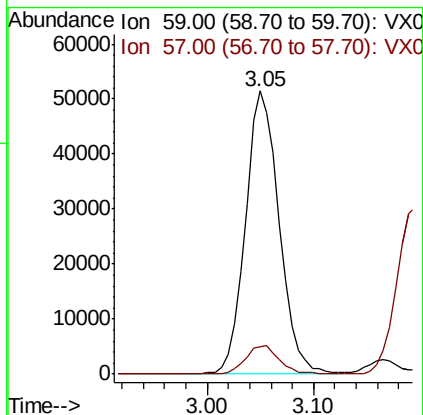
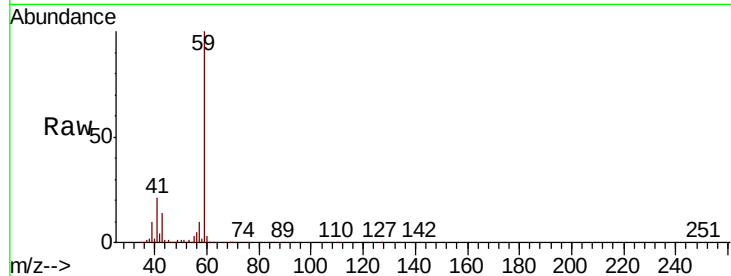


#11

Tert butyl alcohol
 Concen: 212.782 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

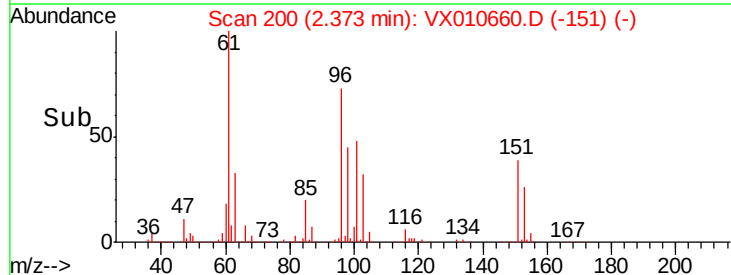
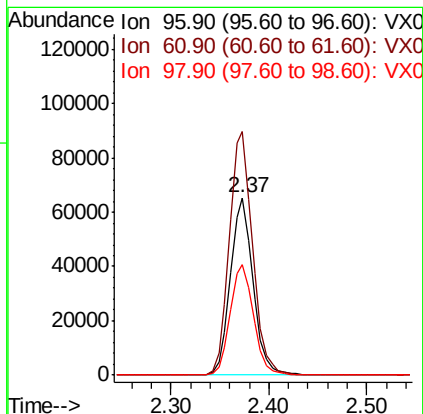
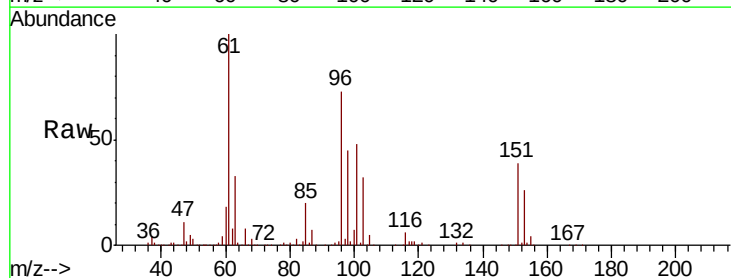
Tot Ion: 59 Resp: 114580
 Ion Ratio Lower Upper
 59 100
 57 10.3 7.7 11.5

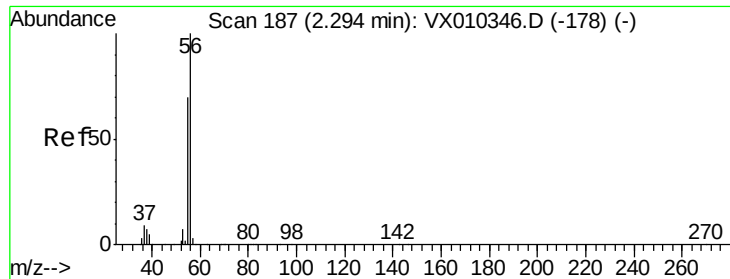


#12

1,1-Dichloroethene
 Concen: 55.151 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

Tgt Ion: 96 Resp: 104923
 Ion Ratio Lower Upper
 96 100
 61 137.2 109.2 163.8
 98 62.0 51.1 76.7





#13

Acrolein

Concen: 157.114 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

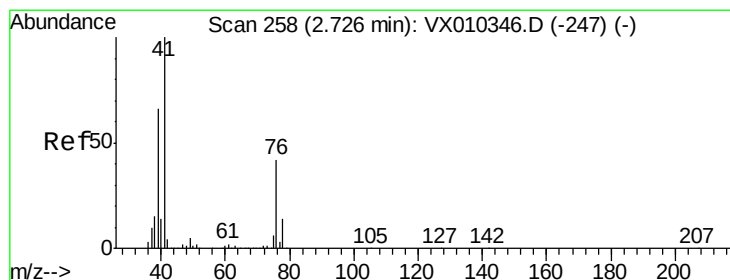
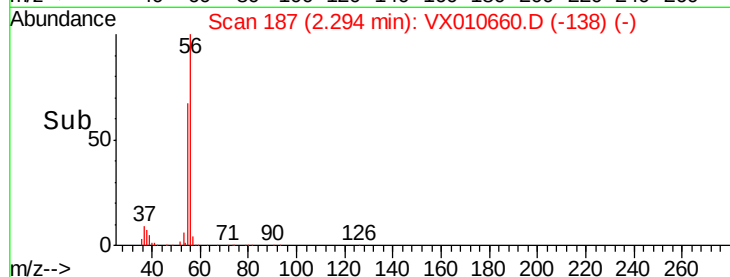
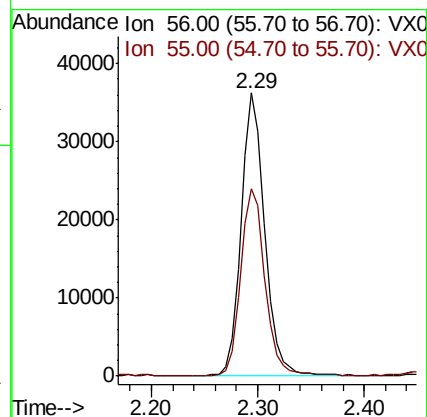
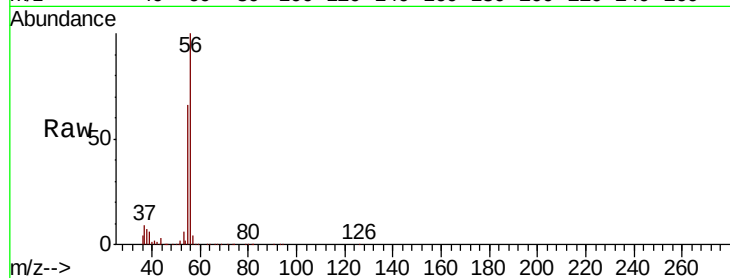
VSTDCCC050EC

Tot Ion: 56 Resp: 56124

Ion Ratio Lower Upper

56 100

55 68.6 56.9 85.3



#14

Allyl chloride

Concen: 55.058 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

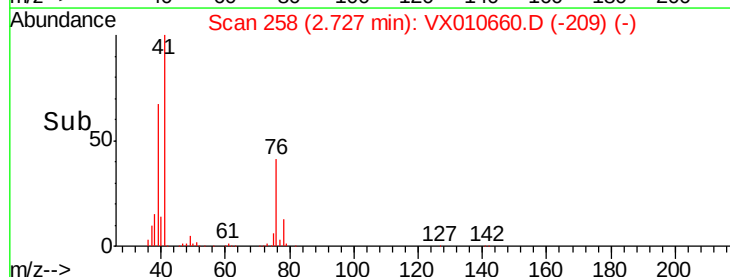
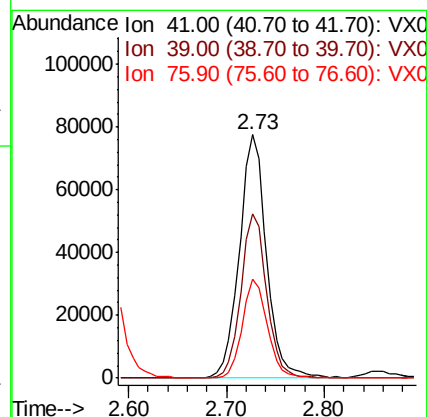
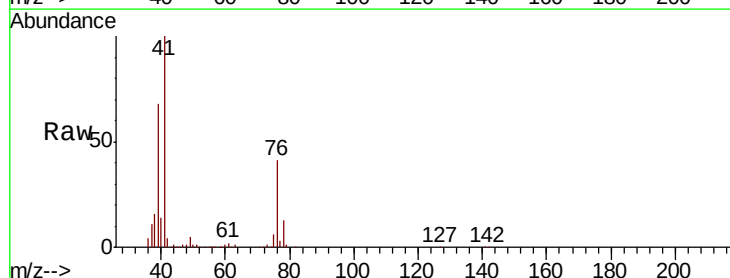
Tgt Ion: 41 Resp: 148708

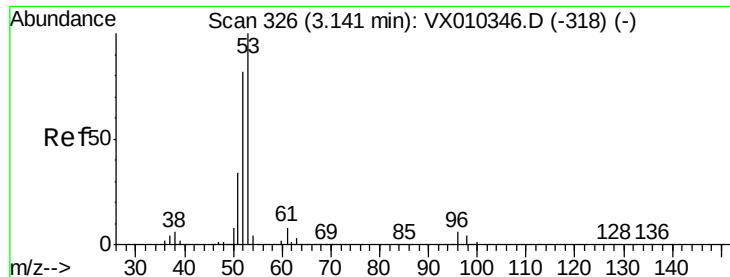
Ion Ratio Lower Upper

41 100

39 64.2 50.3 75.5

76 37.8 31.3 46.9





#15

Acrylonitrile

Concen: 274.317 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

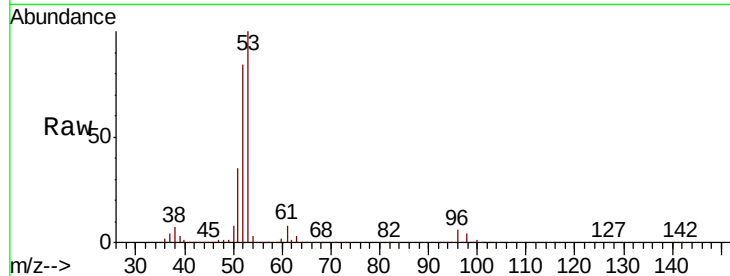
Tot Ion: 53 Resp: 292460

Ion Ratio Lower Upper

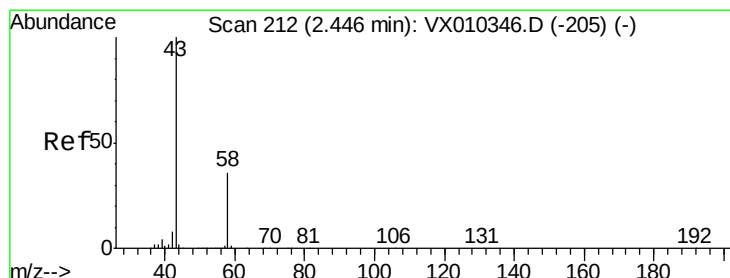
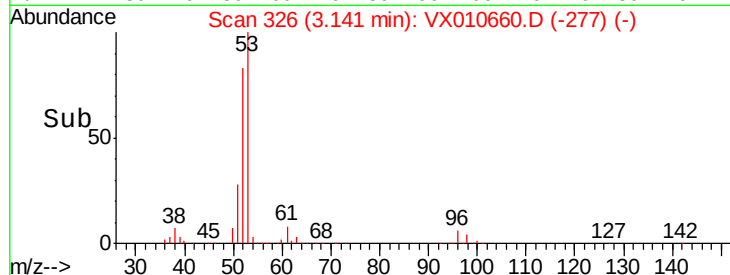
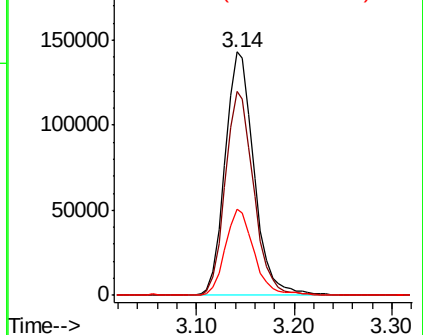
53 100

52 82.8 65.5 98.3

51 35.3 28.2 42.4



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: 224.450 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010660.D

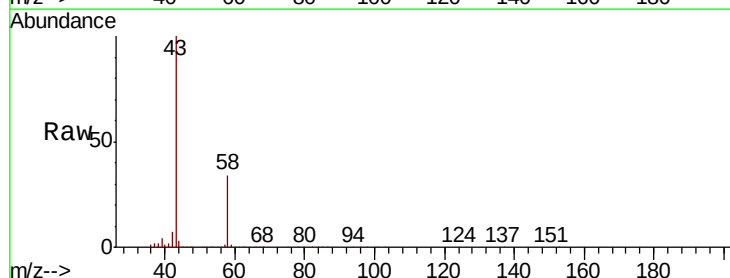
Acq: 03 Jul 2019 23:02

Tgt Ion: 43 Resp: 231488

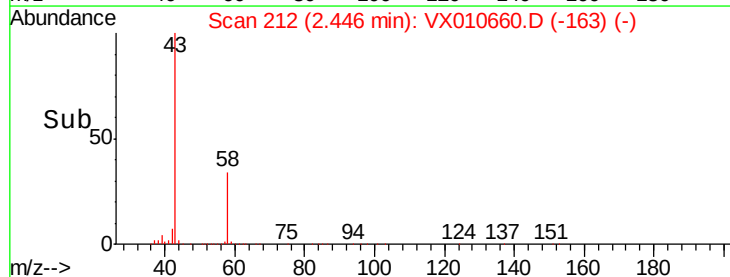
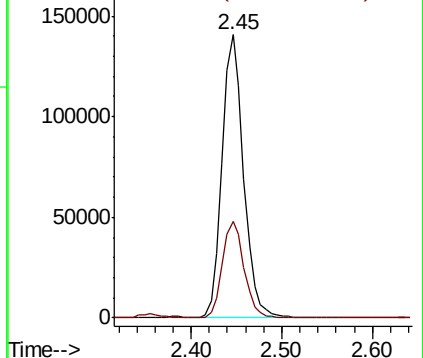
Ion Ratio Lower Upper

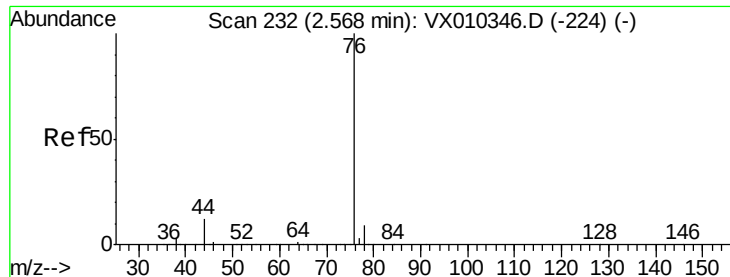
43 100

58 34.1 28.9 43.3



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

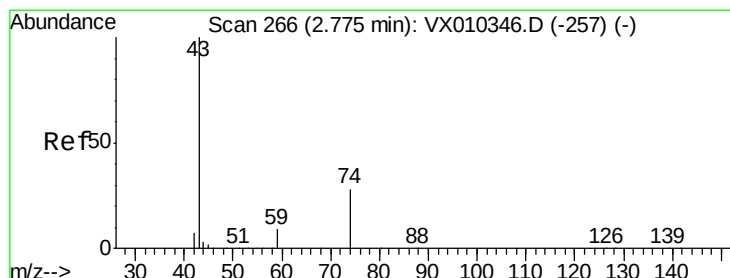
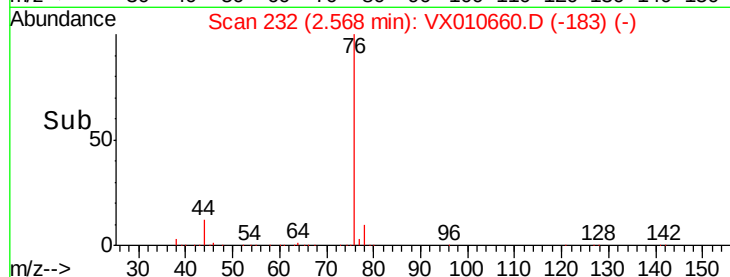
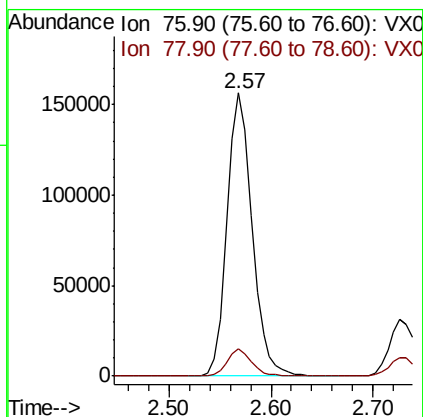
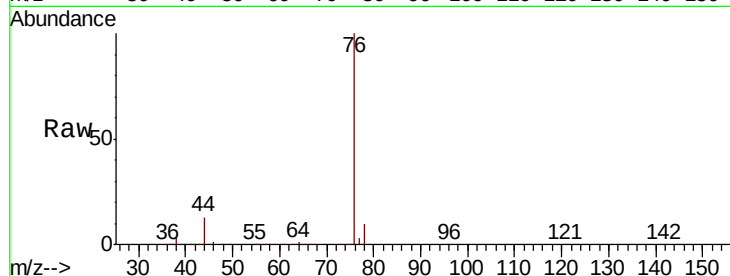




#17
Carbon Disulfide
Concen: 51.994 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

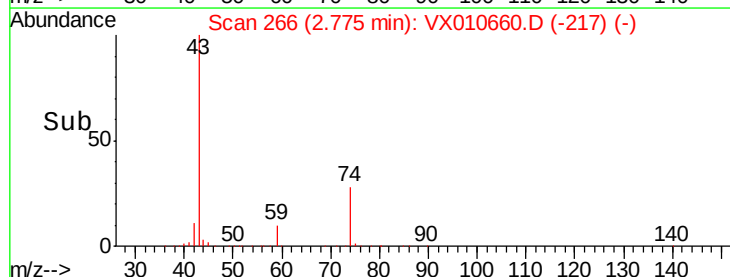
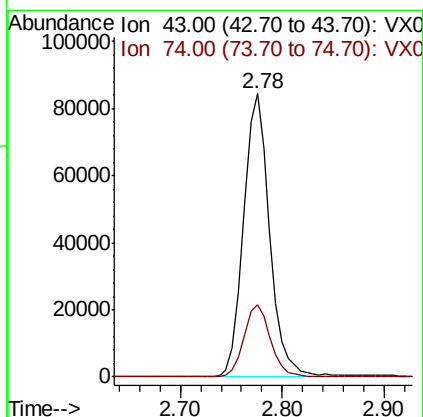
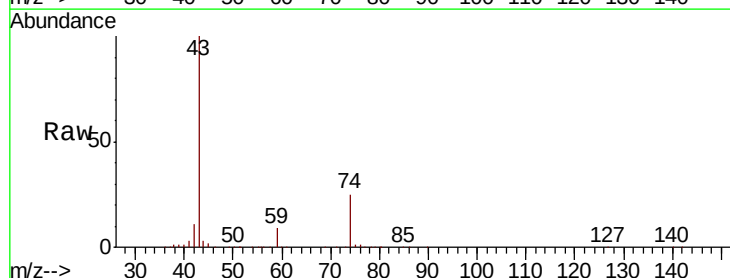
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

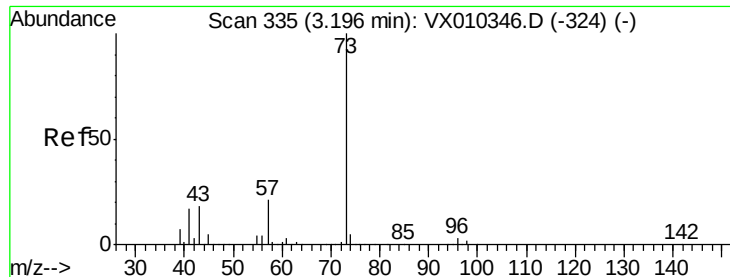
Tot Ion: 76 Resp: 265378
Ion Ratio Lower Upper
76 100
78 9.8 7.3 10.9



#18
Methyl Acetate
Concen: 72.467 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

Tgt Ion: 43 Resp: 148960
Ion Ratio Lower Upper
43 100
74 26.4 21.3 31.9



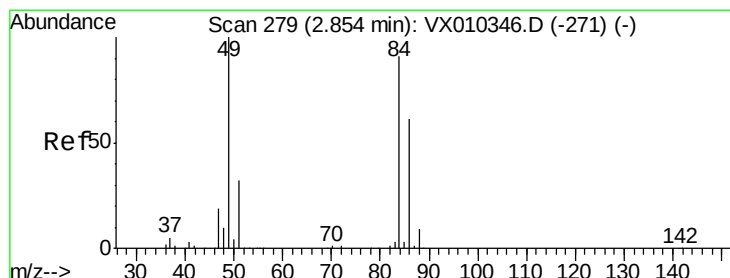
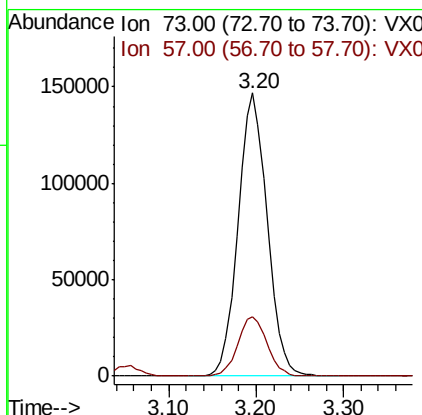
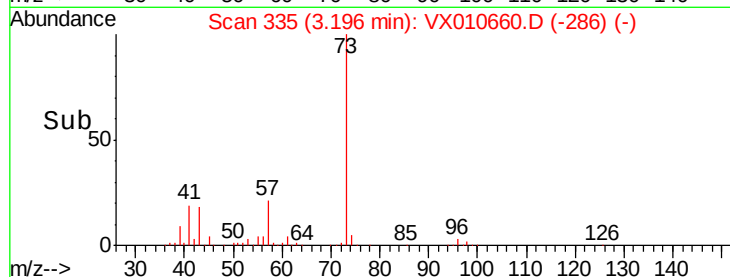
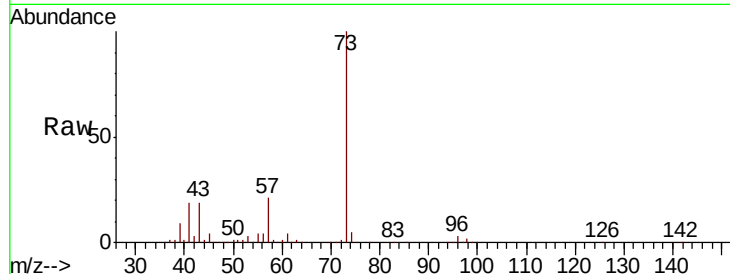


#19

Methyl tert-butyl Ether
 Concen: 56.602 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

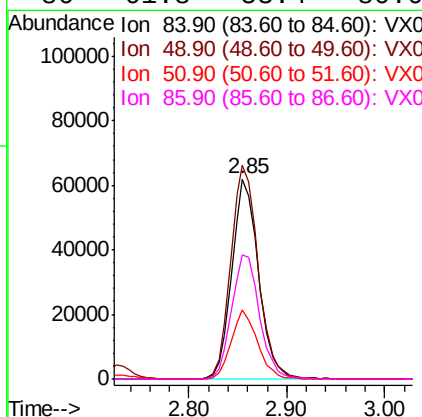
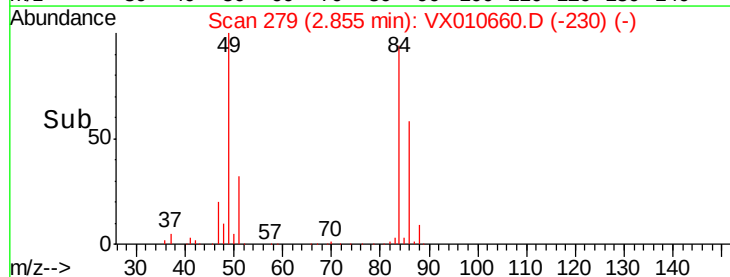
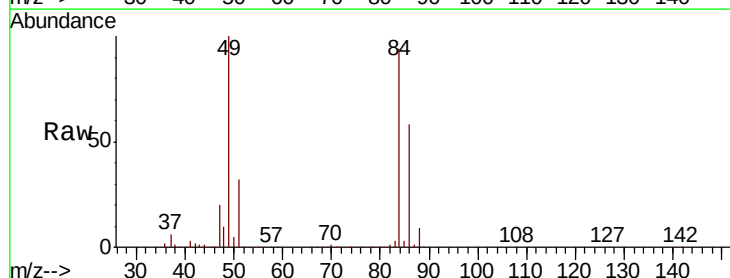
Tot Ion: 73 Resp: 338762
 Ion Ratio Lower Upper
 73 100
 57 20.8 16.4 24.6

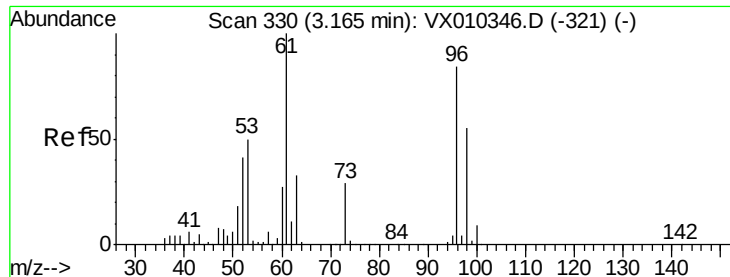


#20

Methylene Chloride
 Concen: 55.085 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

Tgt Ion: 84 Resp: 116916
 Ion Ratio Lower Upper
 84 100
 49 106.6 87.5 131.3
 51 34.3 27.7 41.5
 86 61.8 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 54.531 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

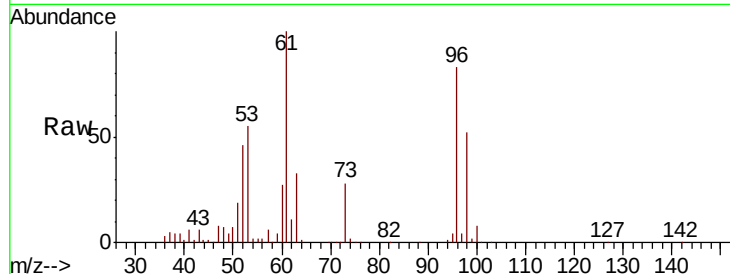
Tot Ion: 96 Resp: 111576

Ion Ratio Lower Upper

96 100

61 120.6 95.6 143.4

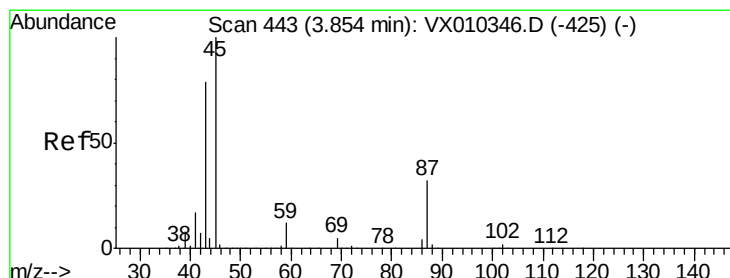
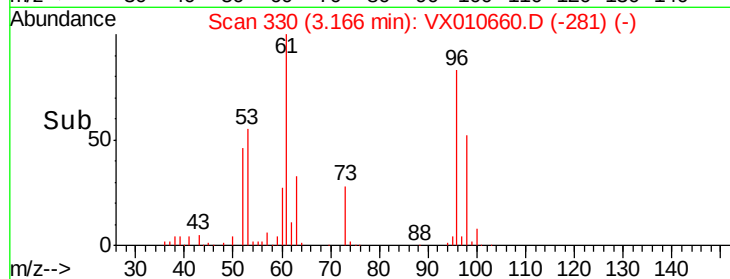
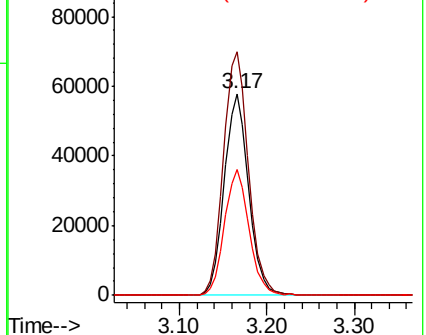
98 62.3 52.5 78.7



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: 56.413 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Tgt Ion: 45 Resp: 318570

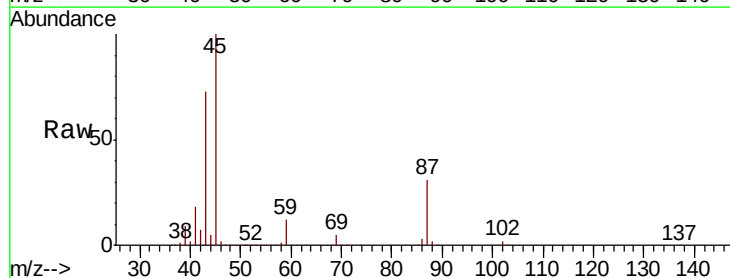
Ion Ratio Lower Upper

45 100

43 73.1 63.3 94.9

87 31.3 25.8 38.8

59 12.0 9.6 14.4

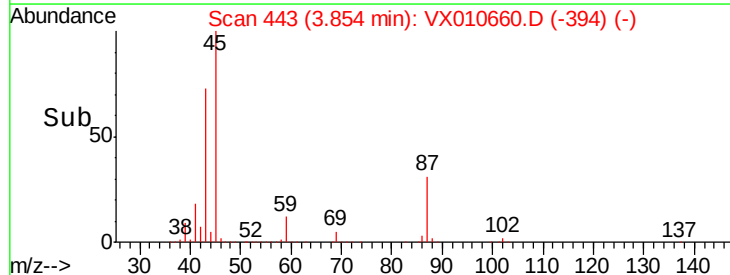
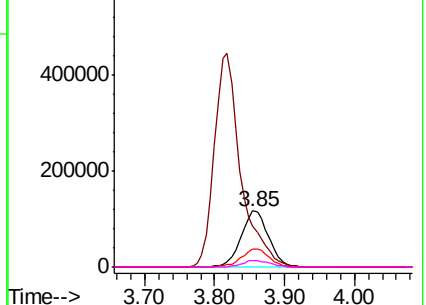


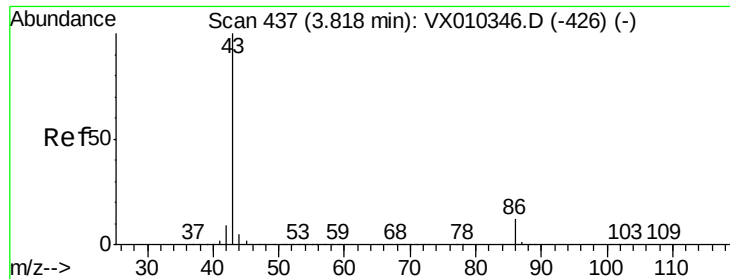
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 239.806 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

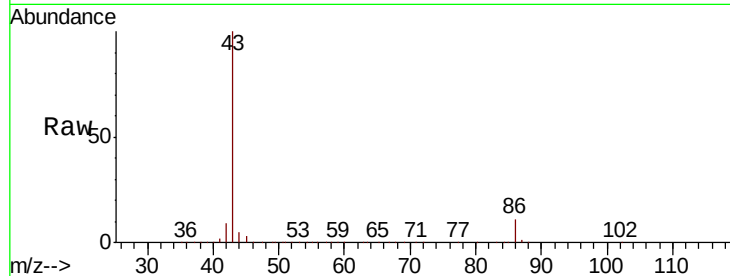
VSTDCCC050EC

Tot Ion: 43 Resp: 1169882

Ion Ratio Lower Upper

43 100

86 11.5 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

400000

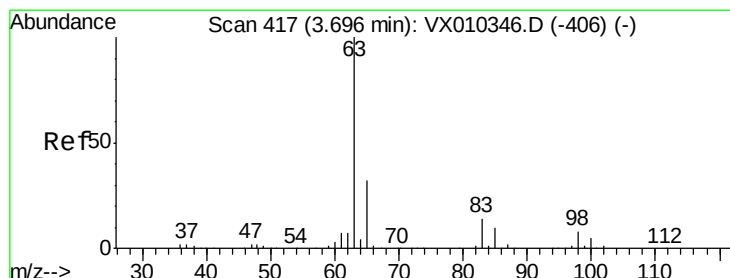
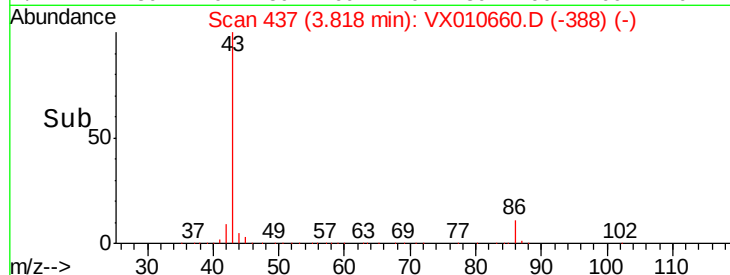
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 55.807 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

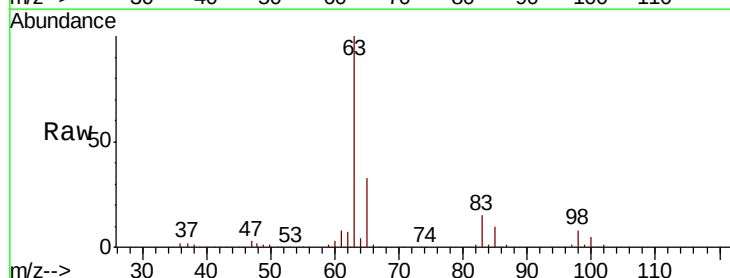
Tgt Ion: 63 Resp: 182166

Ion Ratio Lower Upper

63 100

98 7.8 3.9 11.7

100 4.7 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

100000

80000

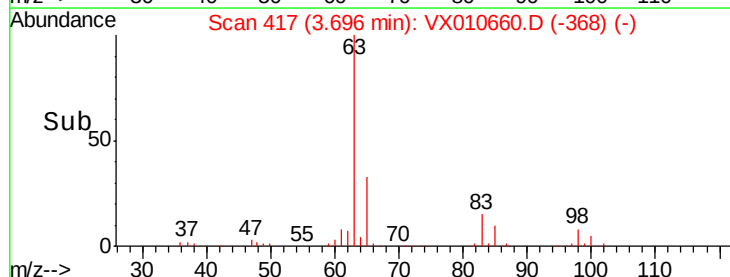
60000

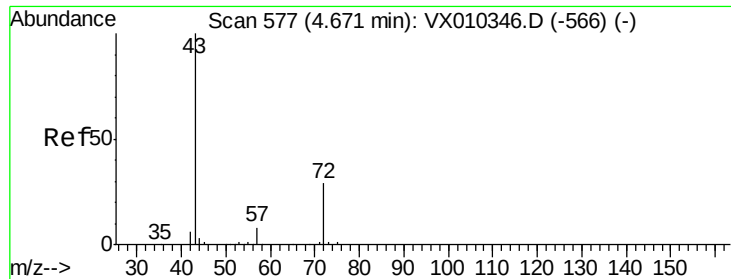
40000

20000

0

Time-->





#25

2-Butanone

Concen: 257.552 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

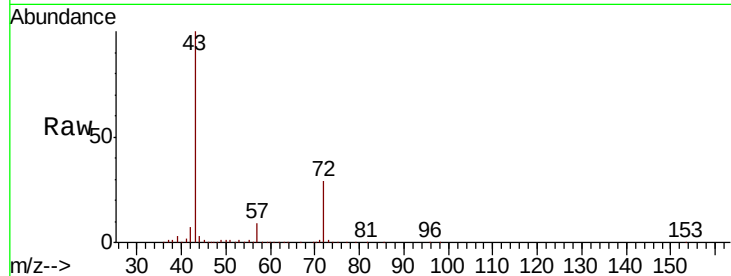
VSTDCCC050EC

Tot Ion: 43 Resp: 389643

Ion Ratio Lower Upper

43 100

72 28.9 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

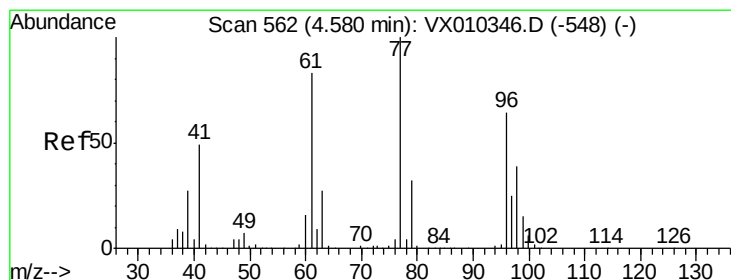
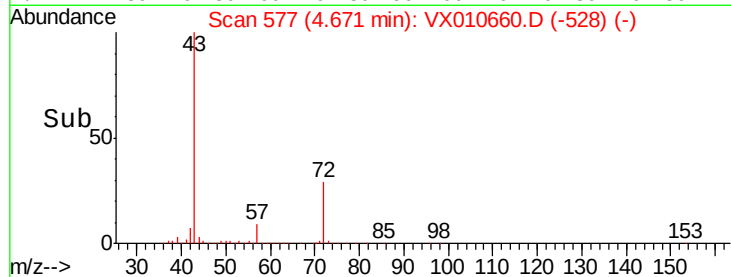
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 41.476 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX010660.D

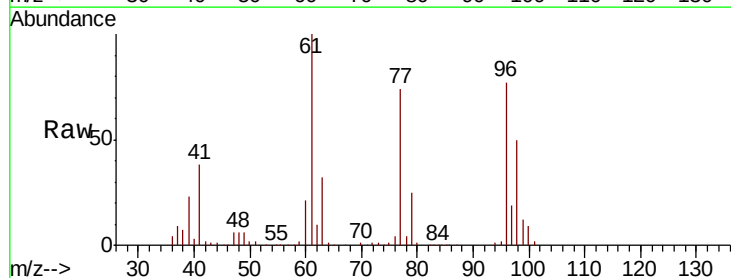
Acq: 03 Jul 2019 23:02

Tgt Ion: 77 Resp: 117610

Ion Ratio Lower Upper

77 100

97 26.5 13.1 39.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

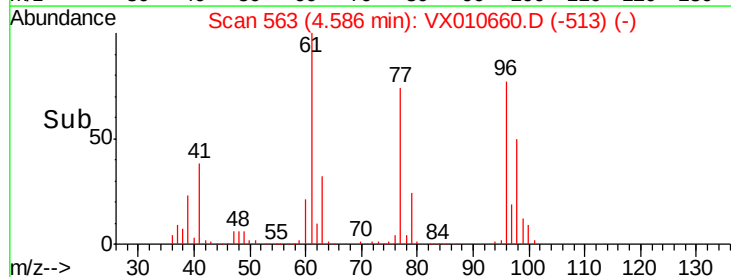
20000

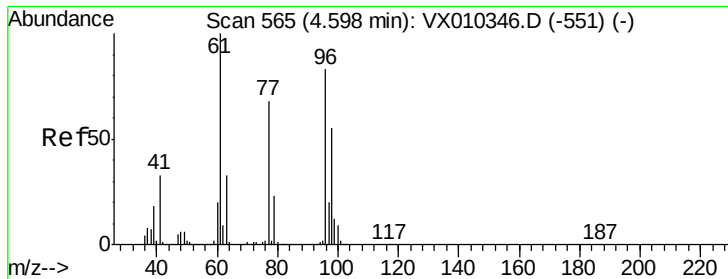
10000

0

4.50 4.60 4.70

Time-->



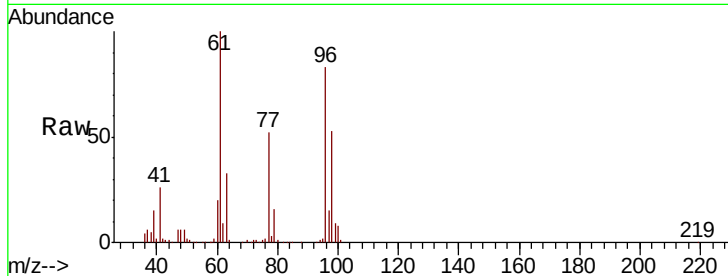


#27

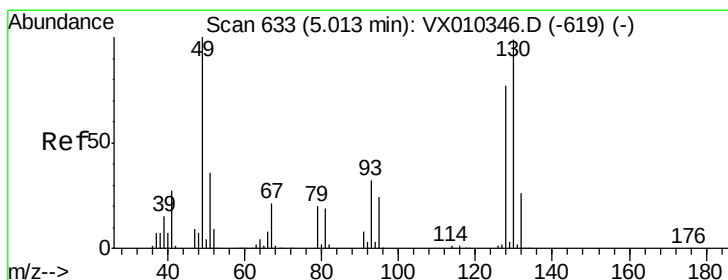
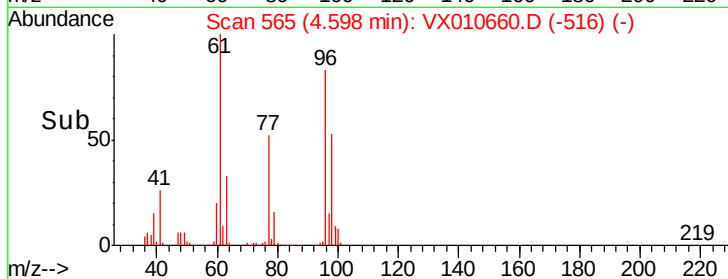
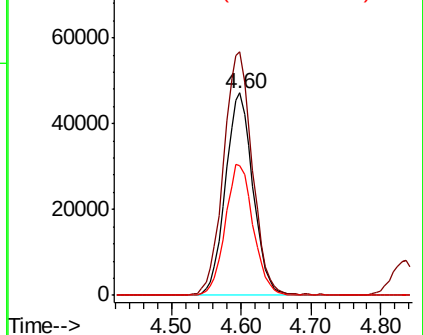
cis-1,2-Dichloroethene
 Concen: 54.552 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	96	Resp	128986
Ion	Ratio	Lower	Upper
96	100		
61	125.4	0.0	251.8
98	65.7	0.0	129.4



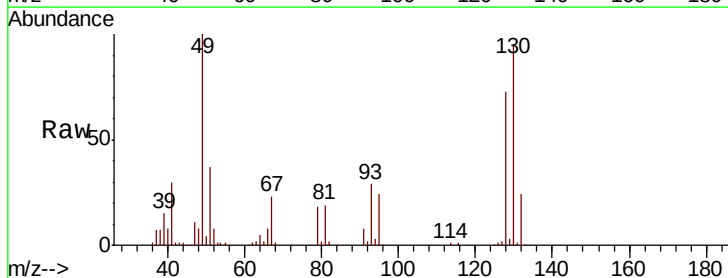
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



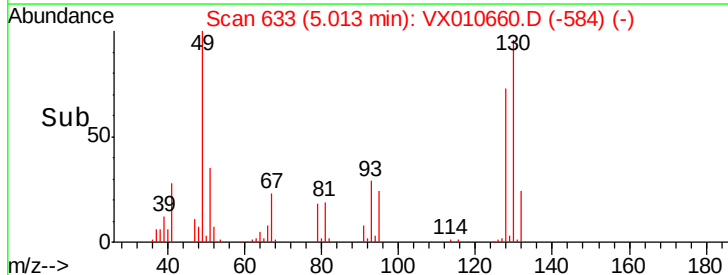
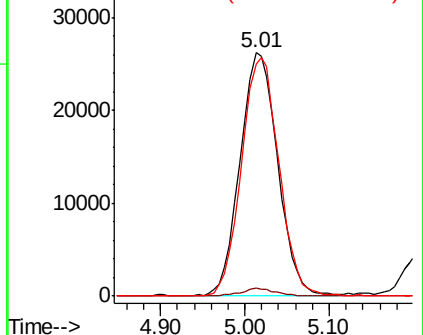
#28

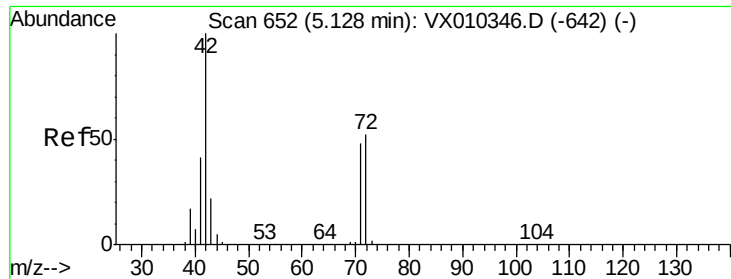
Bromochloromethane
 Concen: 50.896 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

Tgt Ion	49	Resp	79432
Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	5.6
130	97.5	81.4	122.0



Abundance Ion 48.90 (48.60 to 49.60): VX0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

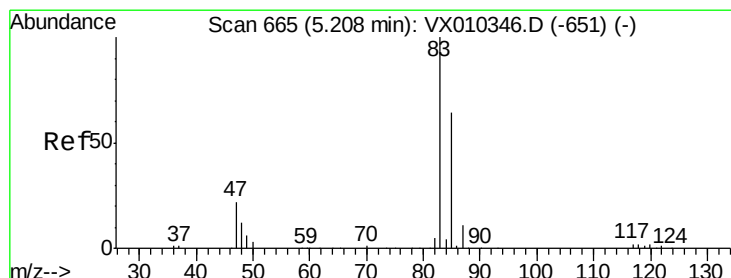
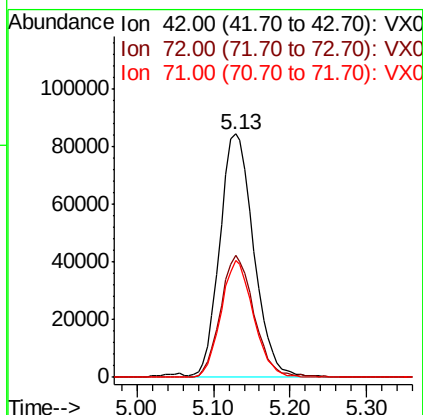
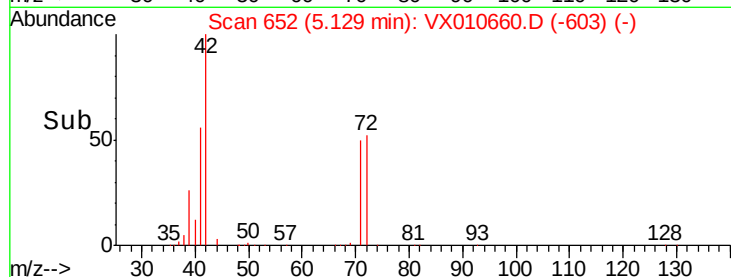
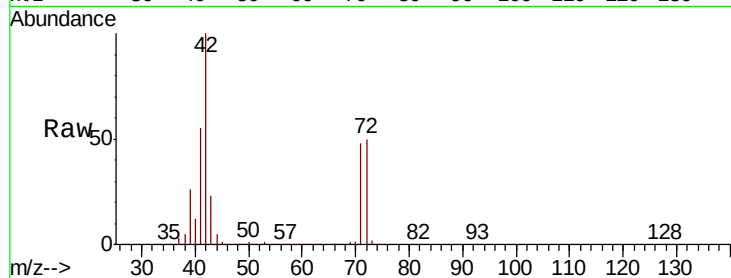




#29
Tetrahydrofuran
Concen: 274.392 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

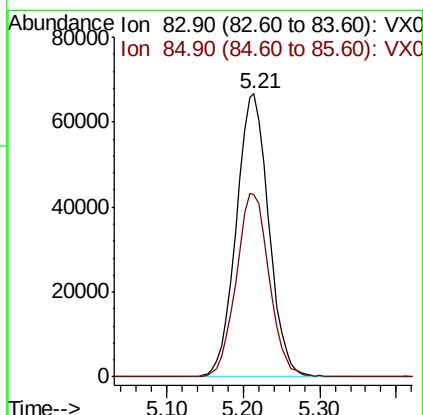
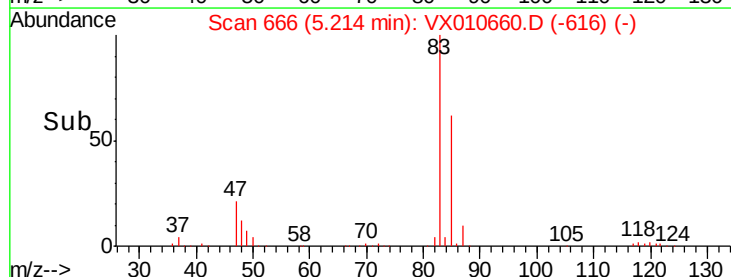
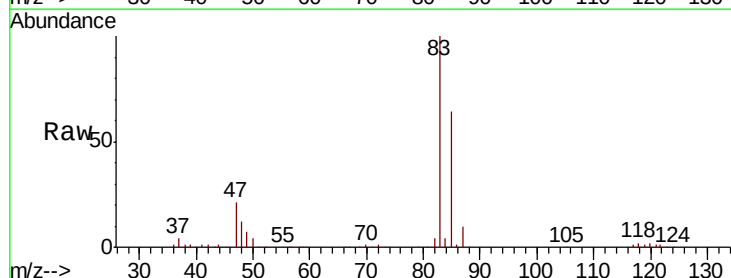
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

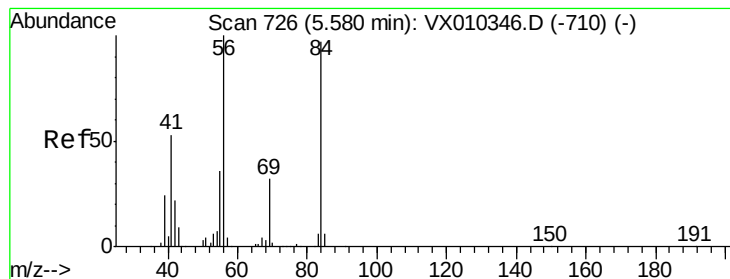
Tot Ion: 42 Resp: 257128
Ion Ratio Lower Upper
42 100
72 50.0 40.6 60.8
71 46.4 37.8 56.8



#30
Chloroform
Concen: 55.908 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

Tgt Ion: 83 Resp: 196355
Ion Ratio Lower Upper
83 100
85 64.4 50.9 76.3





#31

Cyclohexane

Concen: 56.424 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

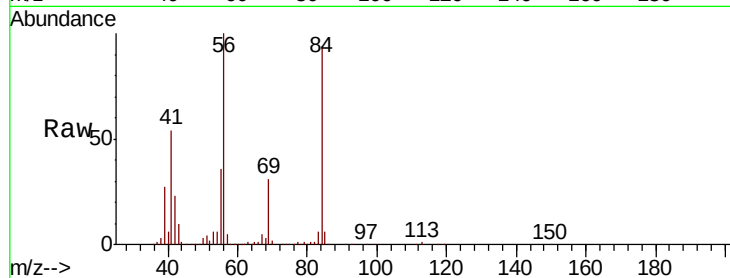
Tot Ion: 56 Resp: 167722

Ion Ratio Lower Upper

56 100

69 30.8 25.9 38.9

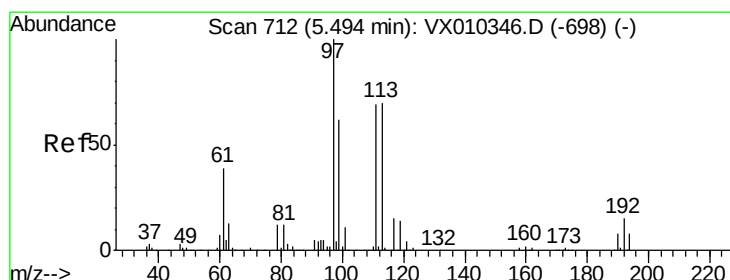
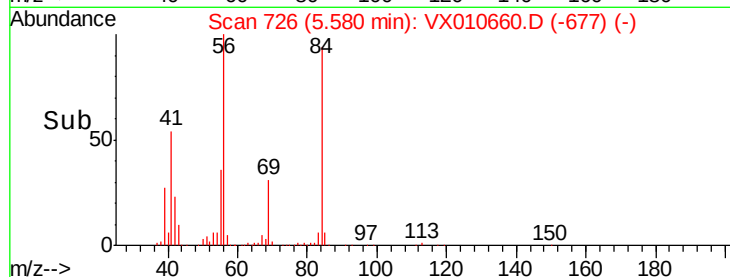
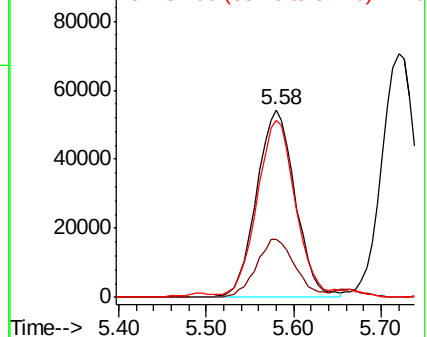
84 92.9 78.0 117.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 55.819 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

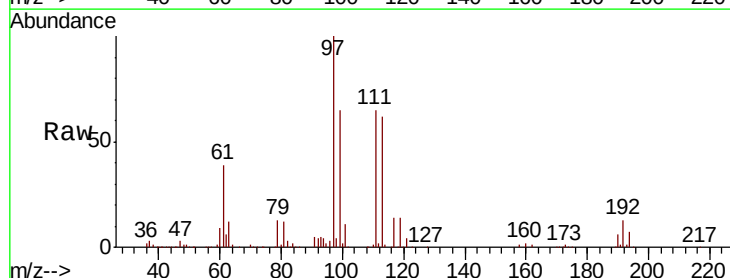
Tgt Ion: 97 Resp: 173104

Ion Ratio Lower Upper

97 100

99 63.9 51.8 77.8

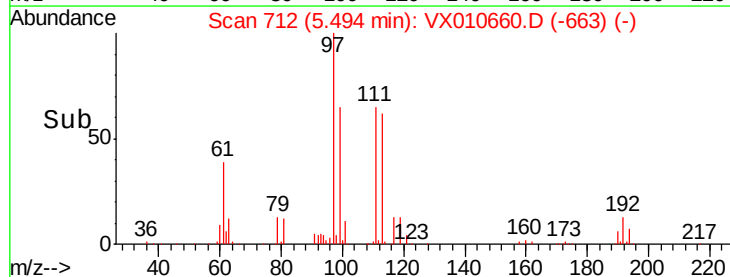
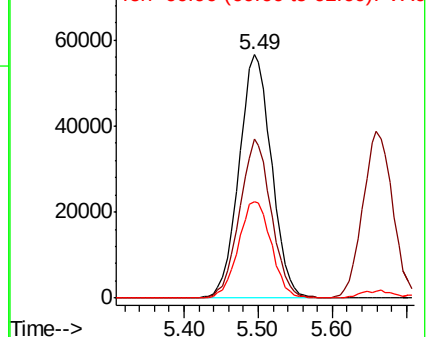
61 40.4 32.1 48.1

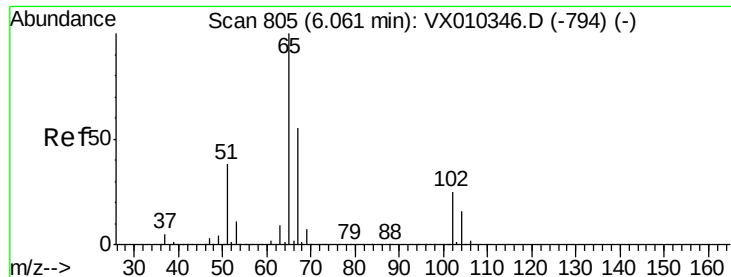


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

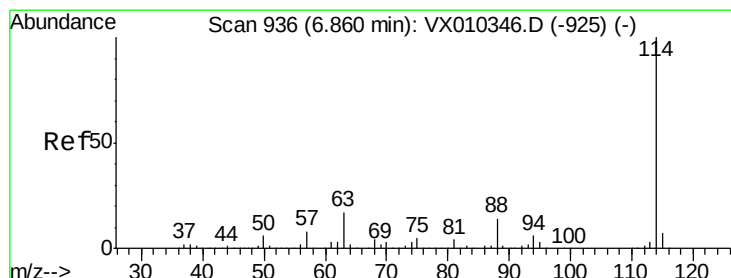
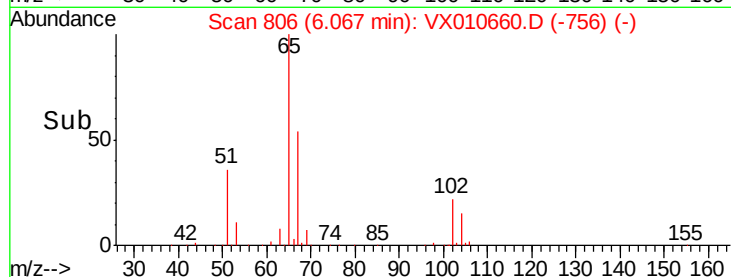
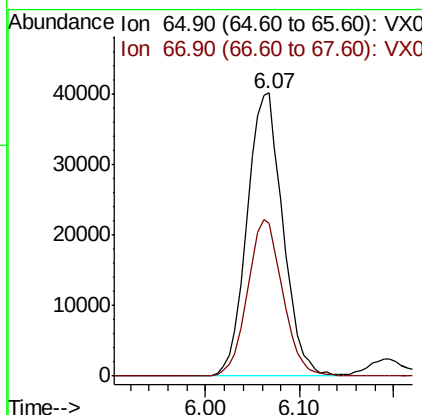
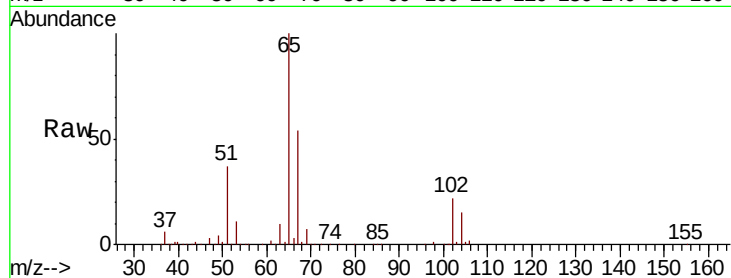




#33
 1,2-Dichloroethane-d4
 Concen: 52.000 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

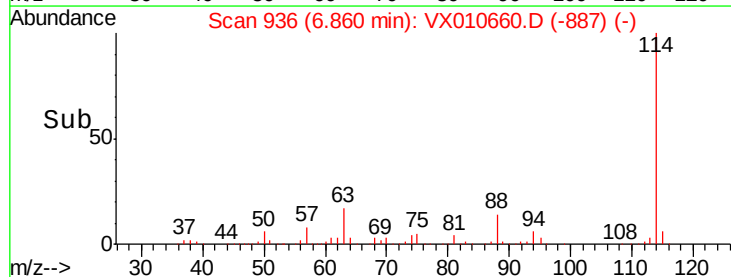
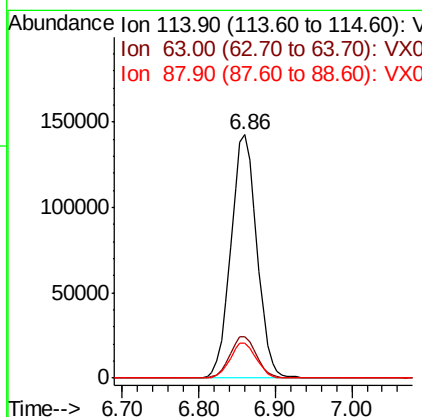
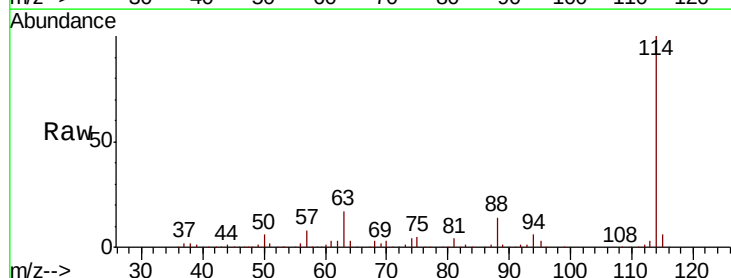
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

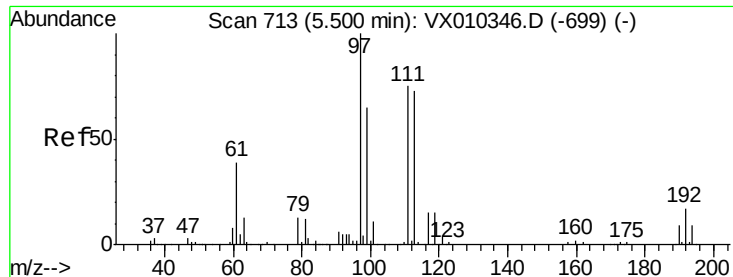
Tot Ion: 65 Resp: 107011
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

Tgt Ion: 114 Resp: 334759
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 33.8
 88 14.1 0.0 27.6





#35

Dibromofluoromethane

Concen: 50.913 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

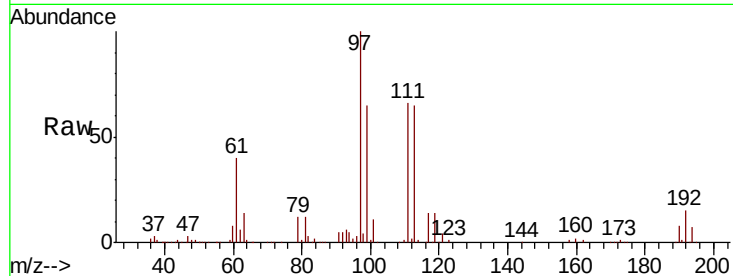
Tot Ion:113 Resp: 104278

Ion Ratio Lower Upper

113 100

111 100.8 81.2 121.8

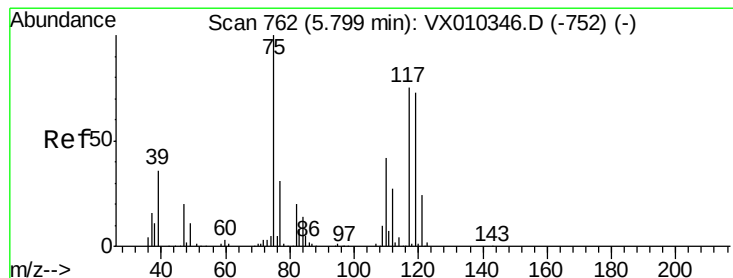
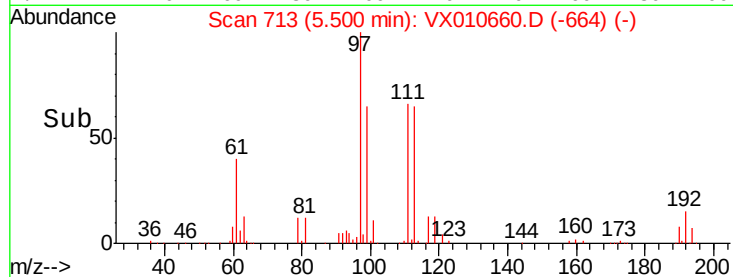
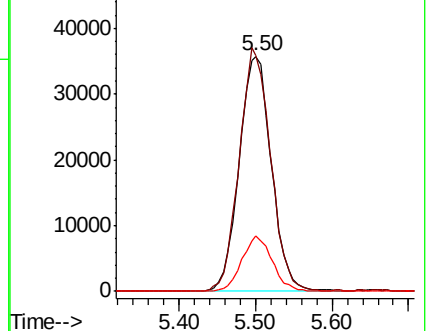
192 22.3 18.6 27.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 54.468 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

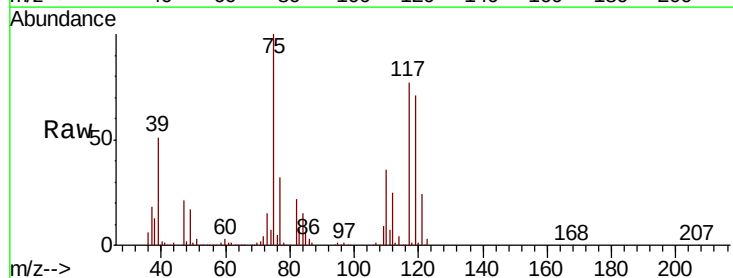
Tgt Ion: 75 Resp: 144894

Ion Ratio Lower Upper

75 100

110 39.8 20.8 62.2

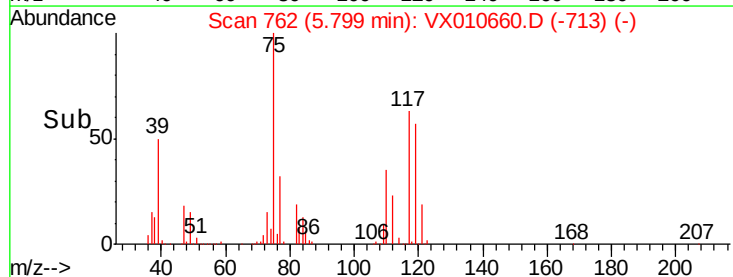
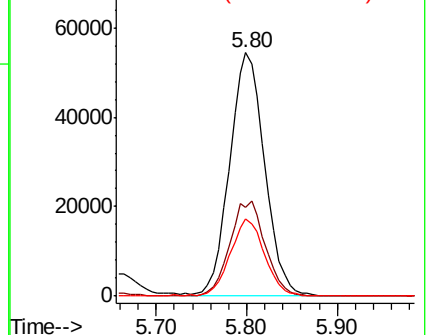
77 31.2 25.4 38.0

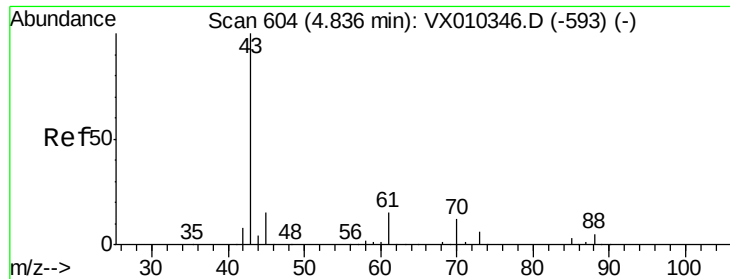


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 53.521 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

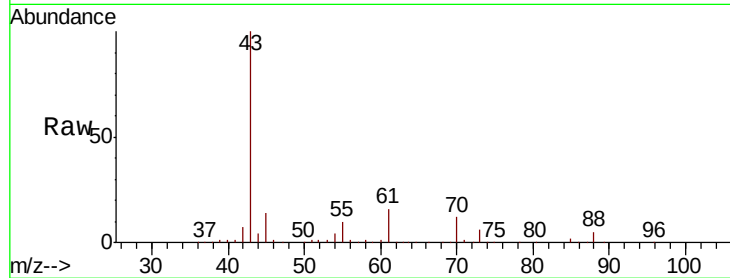
Tot Ion: 43 Resp: 146469

Ion Ratio Lower Upper

43 100

61 14.9 12.4 18.6

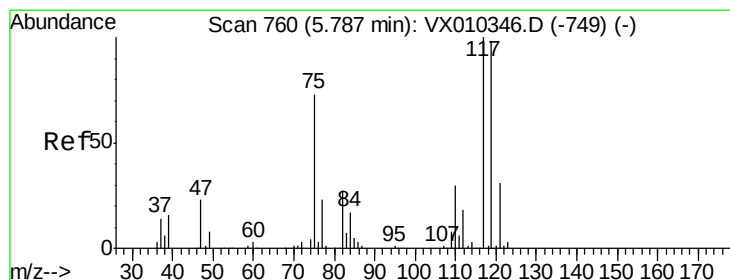
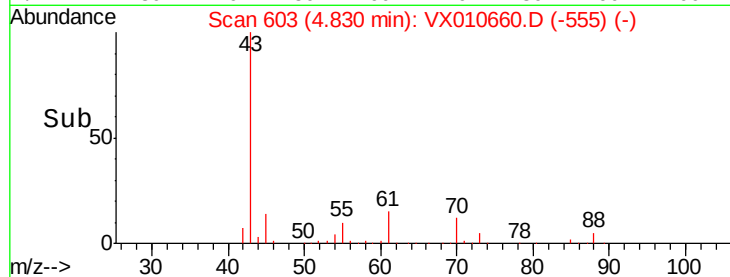
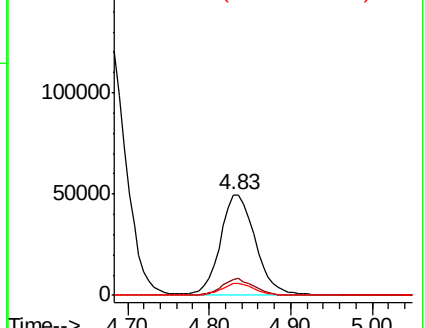
70 11.8 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 53.274 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

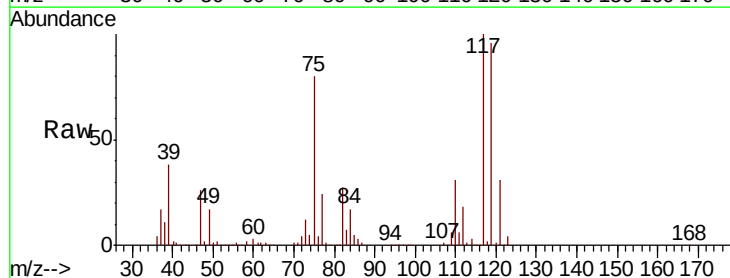
Tgt Ion: 117 Resp: 153462

Ion Ratio Lower Upper

117 100

119 95.8 78.2 117.4

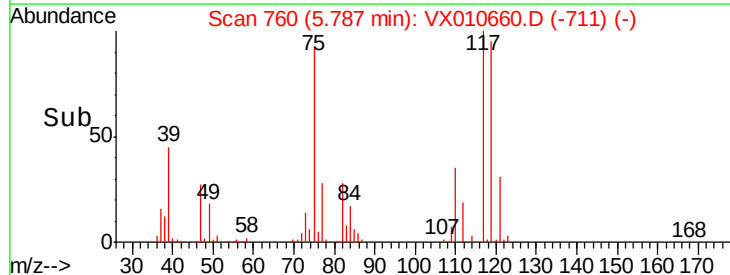
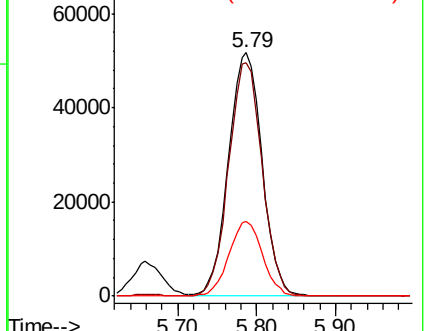
121 30.7 24.7 37.1

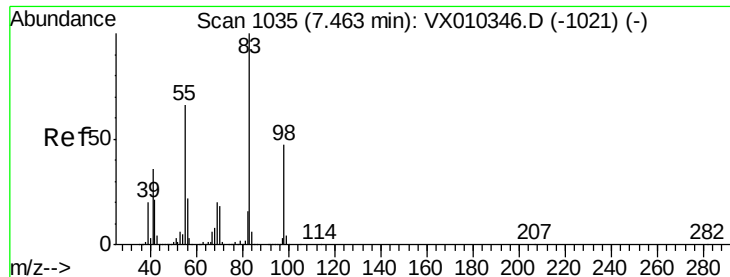


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

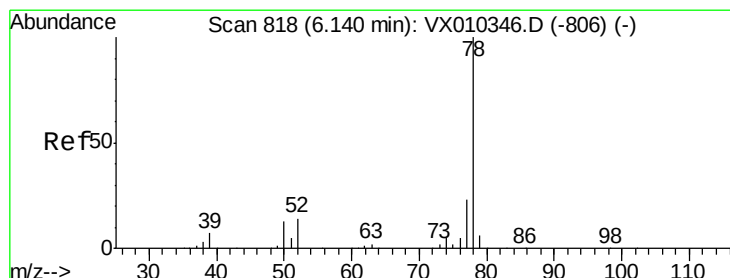
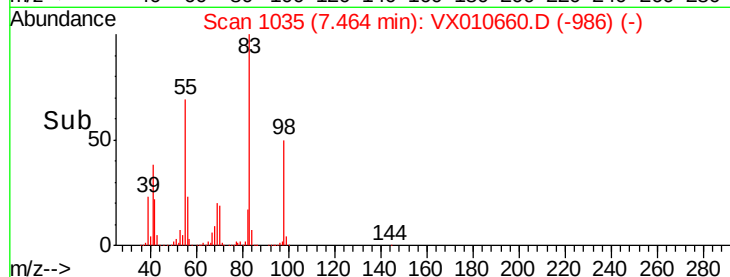
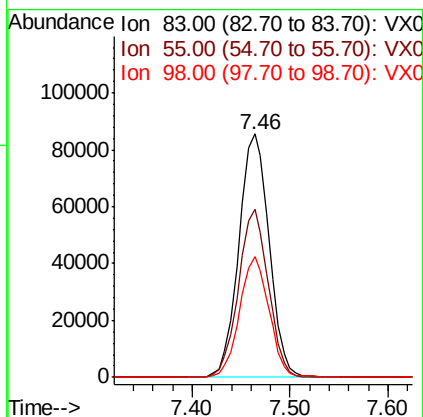
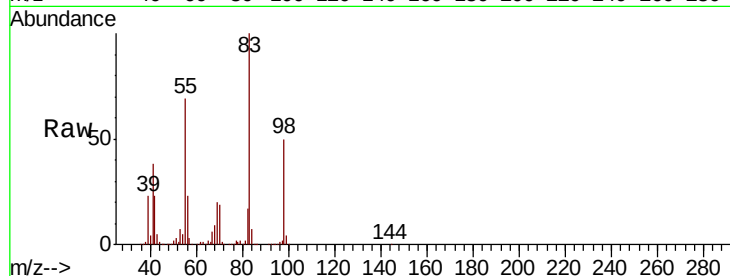




#39
Methylvlcyclohexane
Concen: 52.701 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

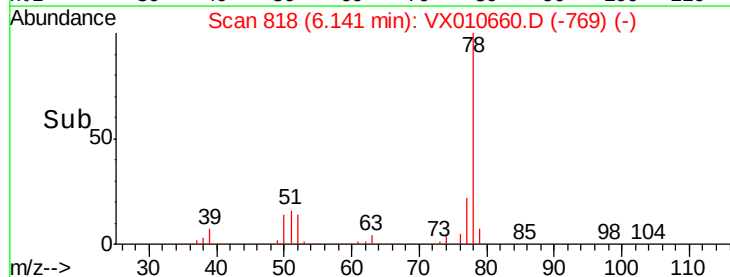
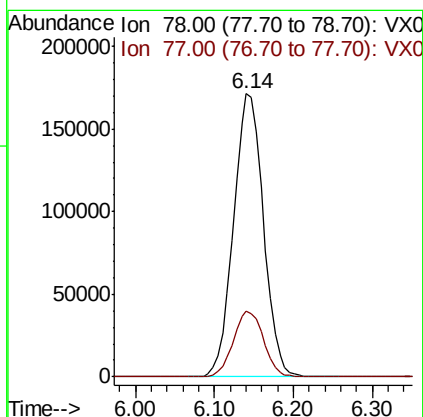
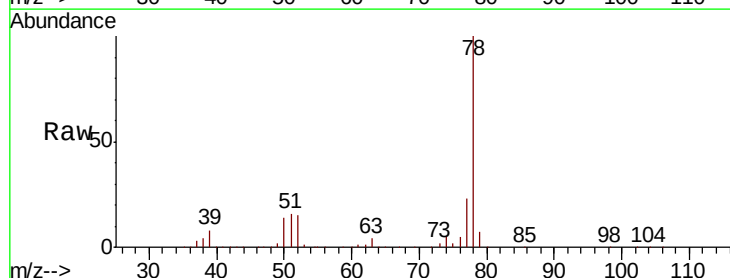
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

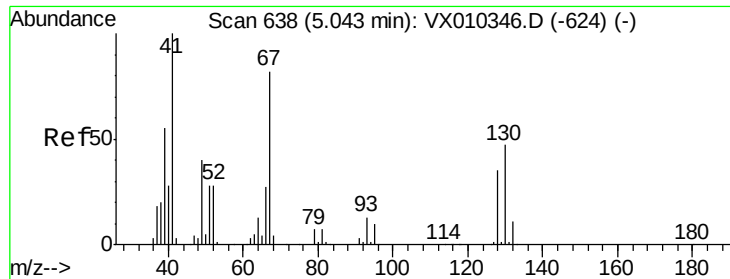
Tot Ion: 83 Resp: 184282
Ion Ratio Lower Upper
83 100
55 68.8 53.0 79.6
98 49.7 37.8 56.8



#40
Benzene
Concen: 54.462 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

Tgt Ion: 78 Resp: 451362
Ion Ratio Lower Upper
78 100
77 23.2 18.6 28.0





#41

Methacrylonitrile

Concen: 55.909 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 83951

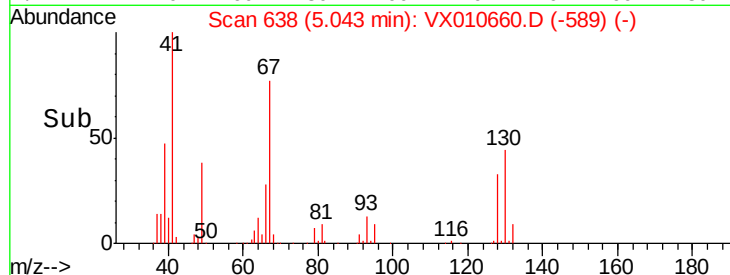
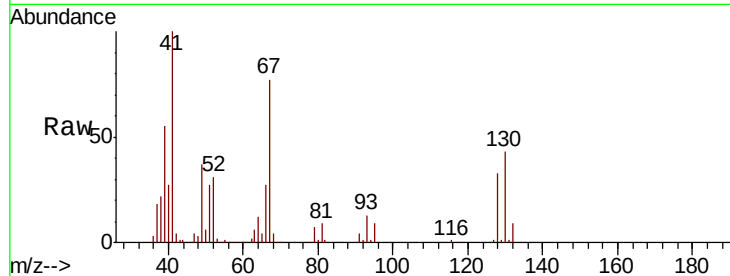
Ion Ratio Lower Upper

41 100

39 53.5 43.8 65.8

67 78.9 66.6 100.0

52 31.9 24.5 36.7

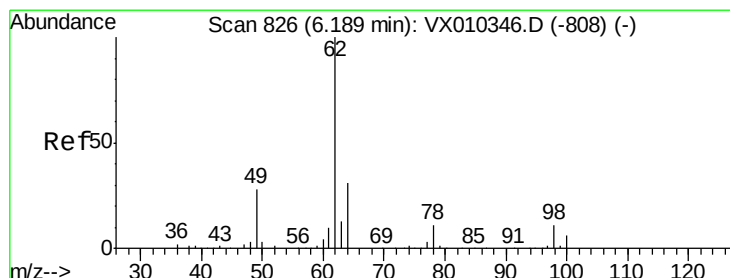
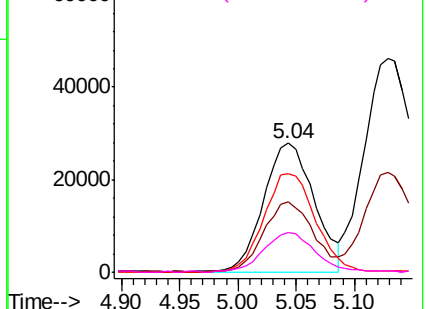


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 58.783 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.01 min

Lab File: VX010660.D

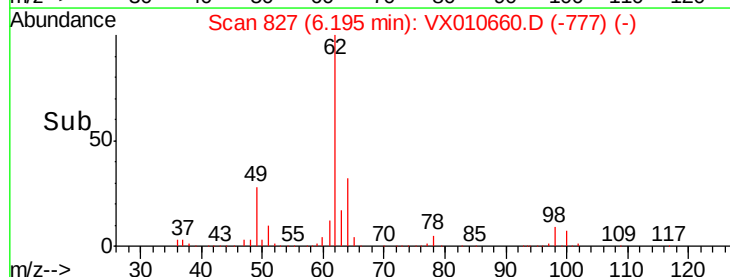
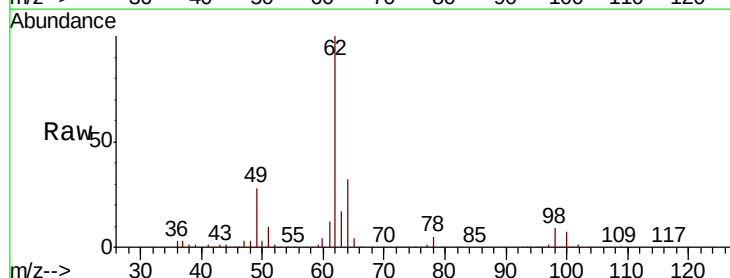
Acq: 03 Jul 2019 23:02

Tgt Ion: 62 Resp: 148296

Ion Ratio Lower Upper

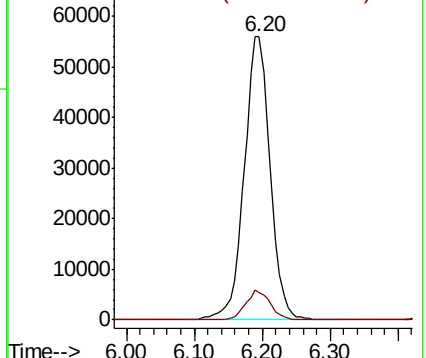
62 100

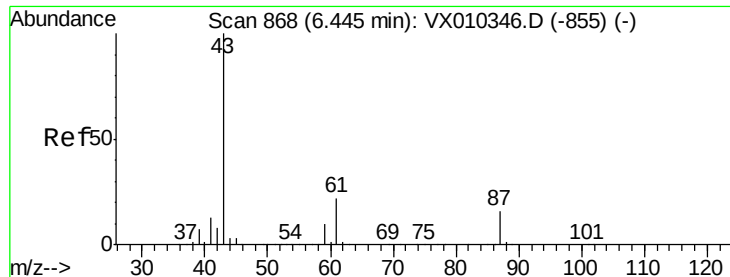
98 10.0 0.0 22.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 53.284 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

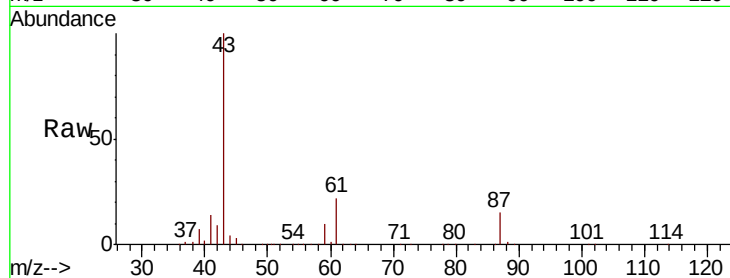
Tot Ion: 43 Resp: 241258

Ion Ratio Lower Upper

43 100

61 20.8 17.8 26.6

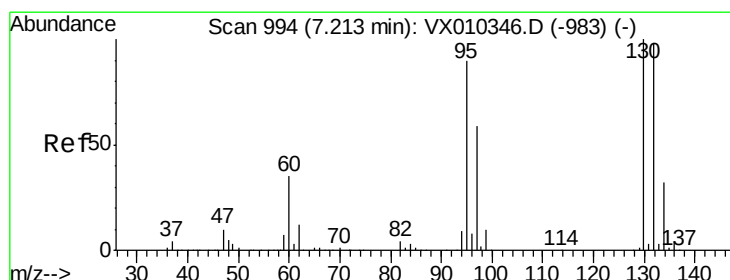
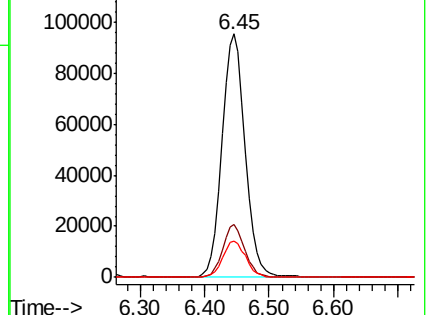
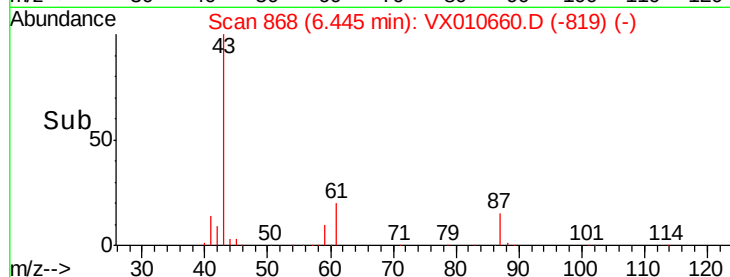
87 15.1 13.0 19.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 51.713 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX010660.D

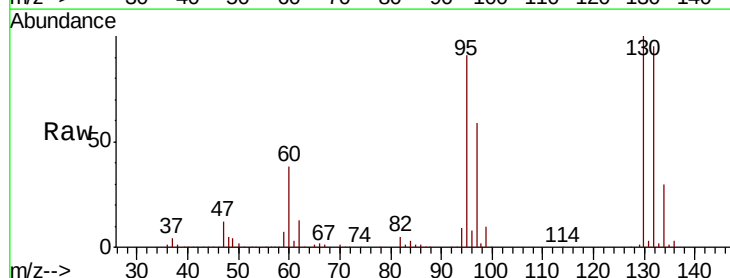
Acq: 03 Jul 2019 23:02

Tgt Ion:130 Resp: 128242

Ion Ratio Lower Upper

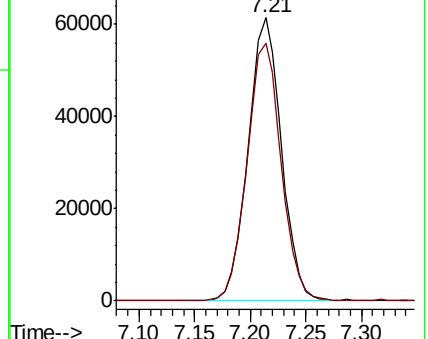
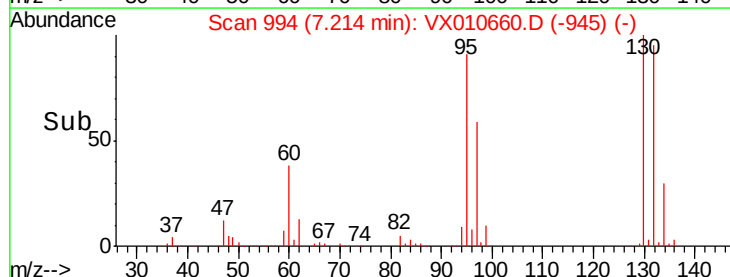
130 100

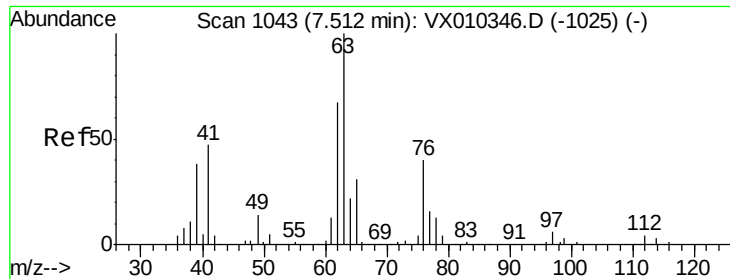
95 90.9 0.0 180.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

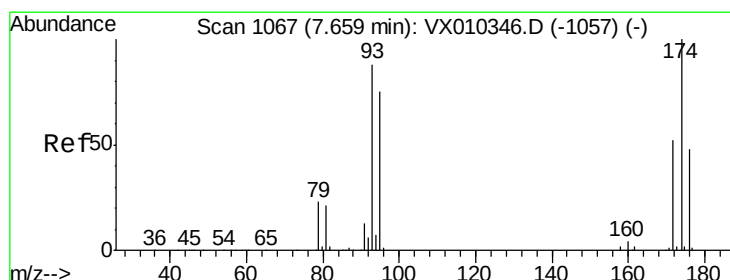
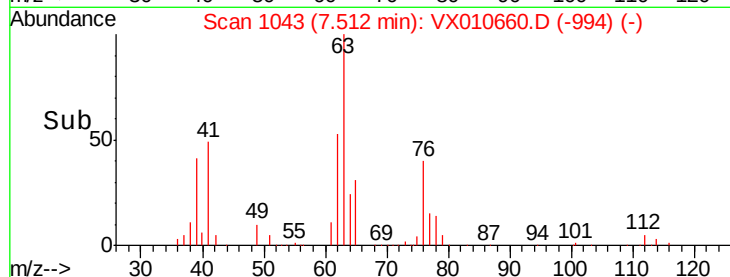
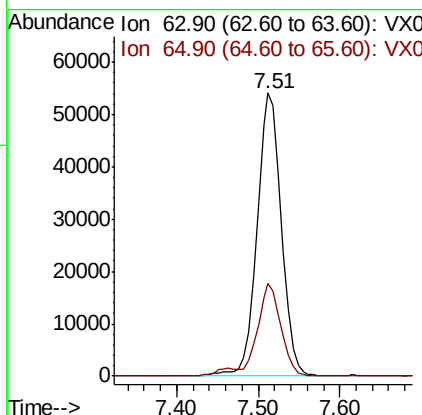
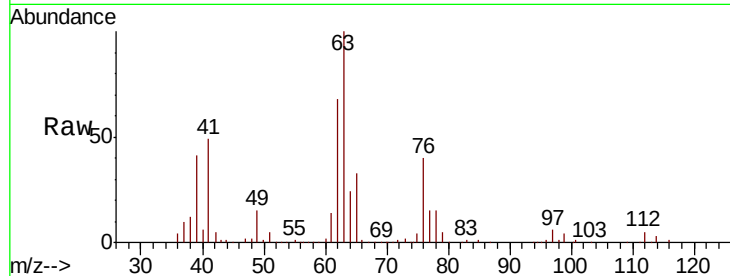




#45
 1,2-Dichloropropane
 Concen: 54.033 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

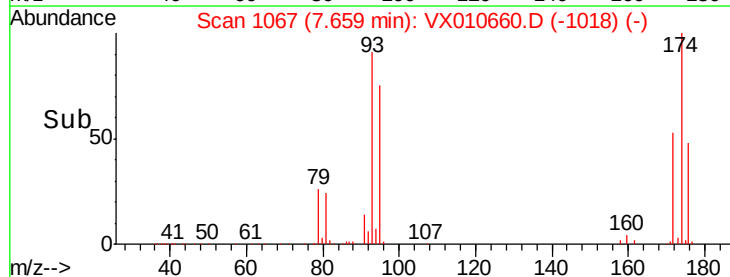
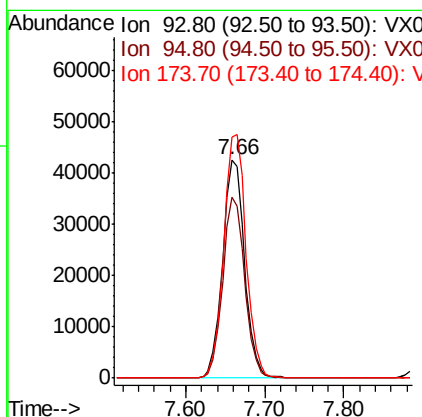
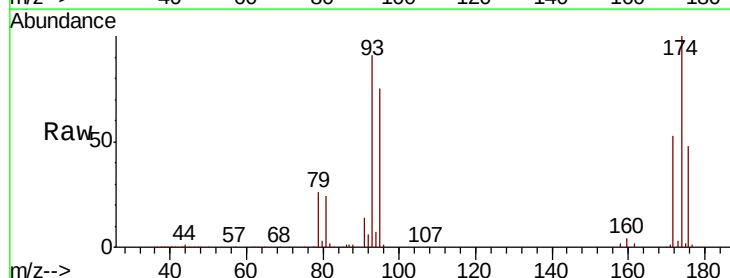
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

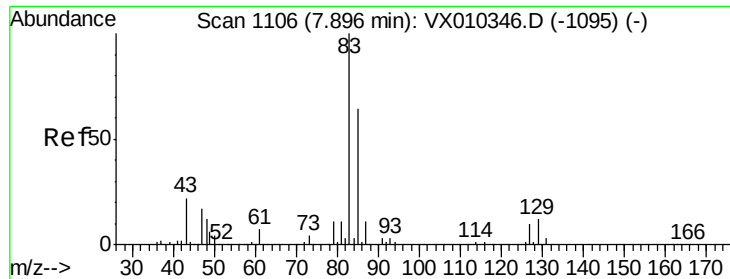
Tot Ion: 63 Resp: 113085
 Ion Ratio Lower Upper
 63 100
 65 32.5 24.8 37.2



#46
 Dibromomethane
 Concen: 55.100 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

Tgt Ion: 93 Resp: 82738
 Ion Ratio Lower Upper
 93 100
 95 83.0 67.5 101.3
 174 113.2 95.8 143.6





#47

Bromodichloromethane

Concen: 53.864 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

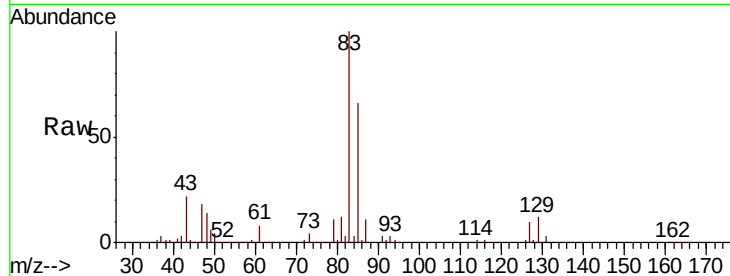
Tot Ion: 83 Resp: 148225

Ion Ratio Lower Upper

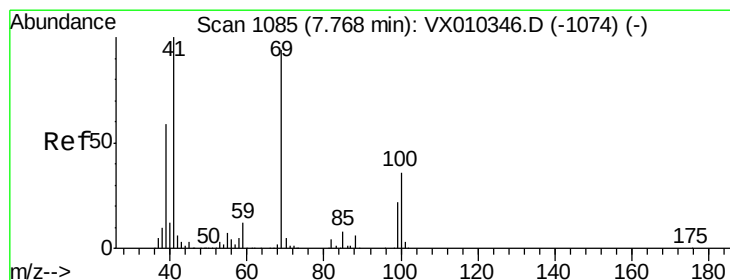
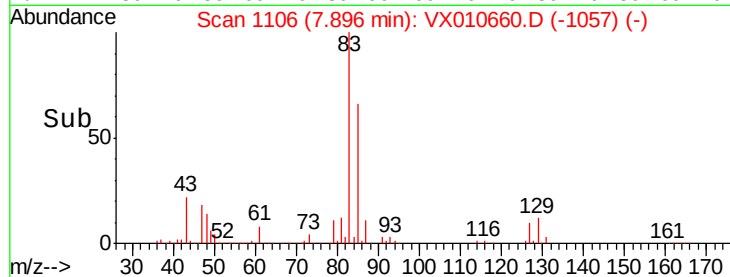
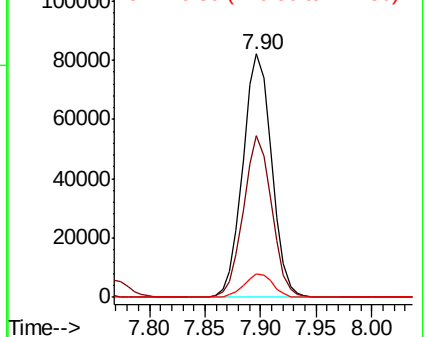
83 100

85 66.1 51.5 77.3

127 9.5 7.8 11.8



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: 57.143 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

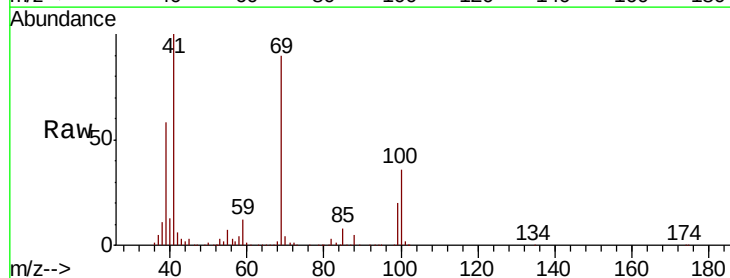
Tgt Ion: 41 Resp: 120262

Ion Ratio Lower Upper

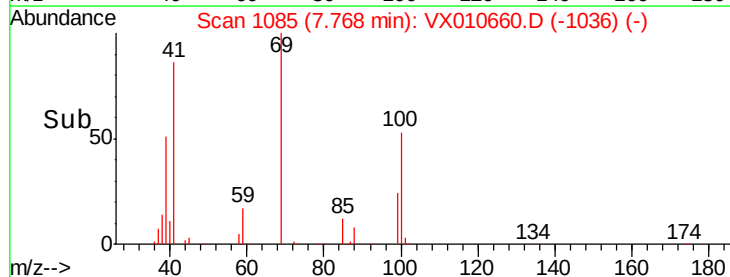
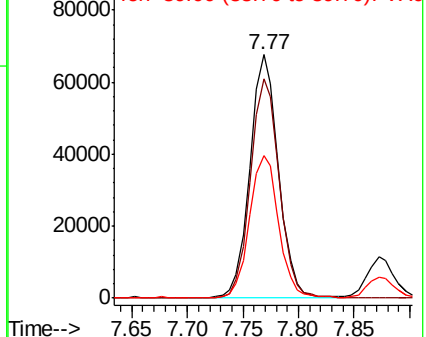
41 100

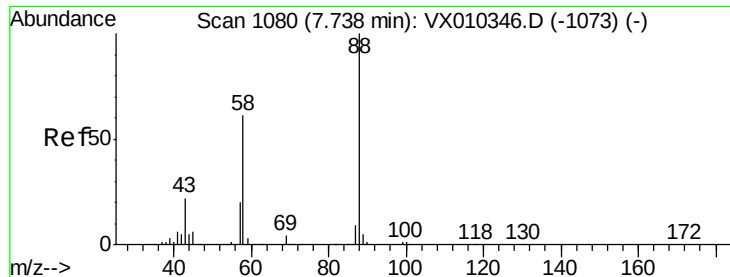
69 91.8 76.1 114.1

39 59.2 47.6 71.4



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: 909.008 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

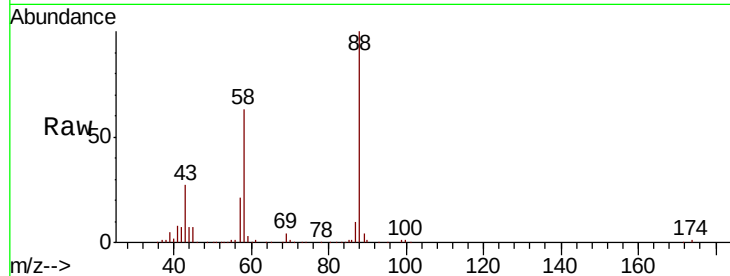
Tot Ion: 88 Resp: 55111

Ion Ratio Lower Upper

88 100

43 28.4 20.2 30.2

58 63.5 49.5 74.3

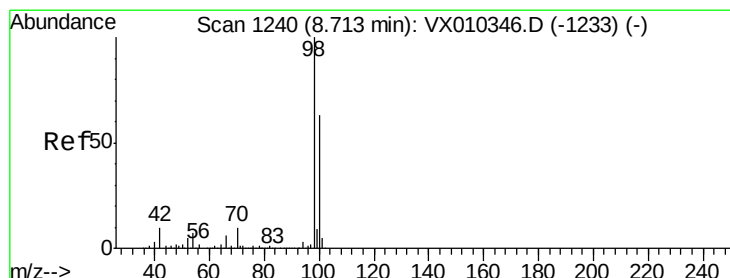
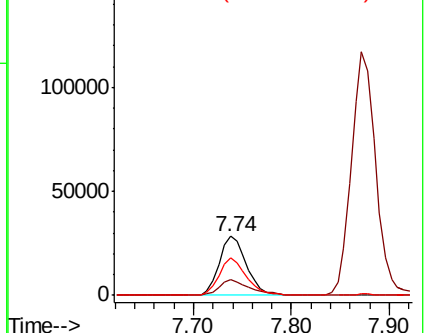
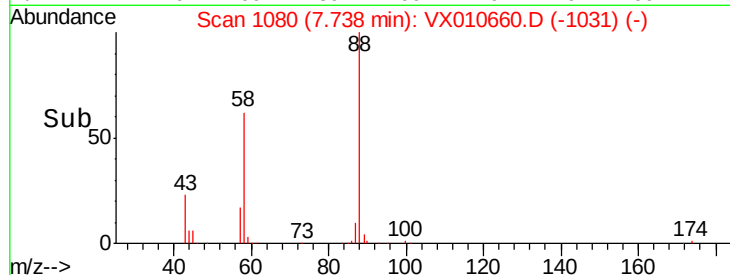


Abundance

Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 48.125 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010660.D

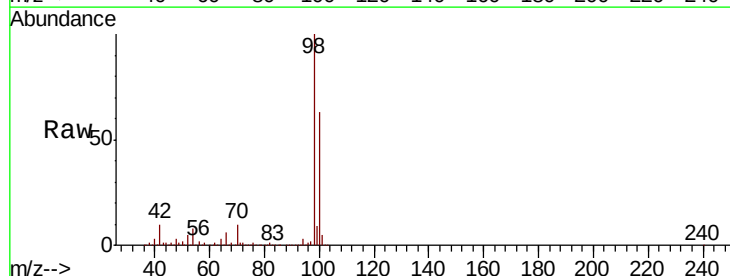
Acq: 03 Jul 2019 23:02

Tgt Ion: 98 Resp: 377103

Ion Ratio Lower Upper

98 100

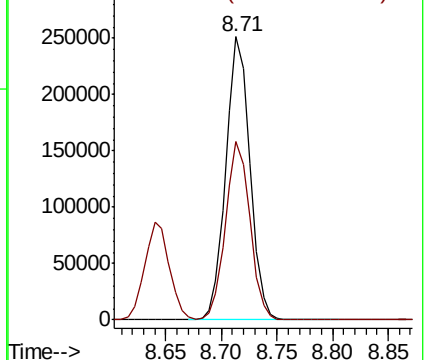
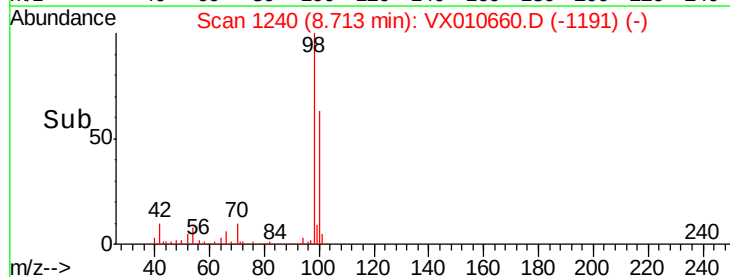
100 63.8 51.6 77.4

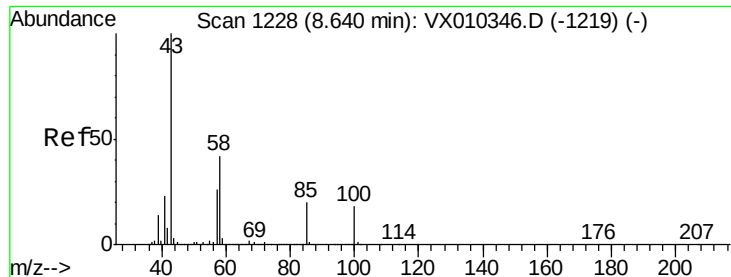


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

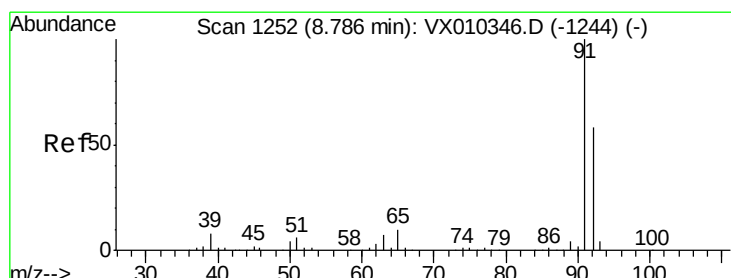
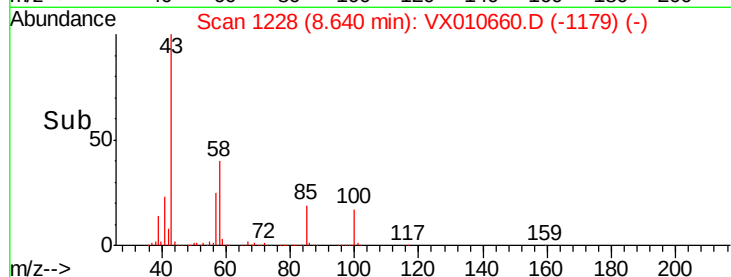
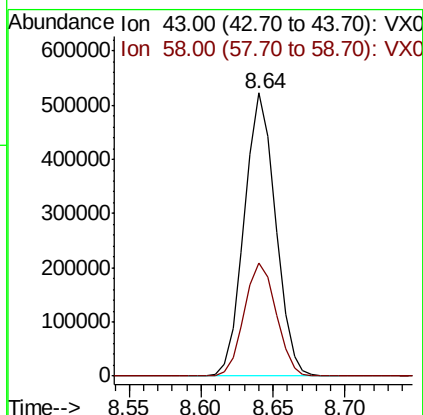
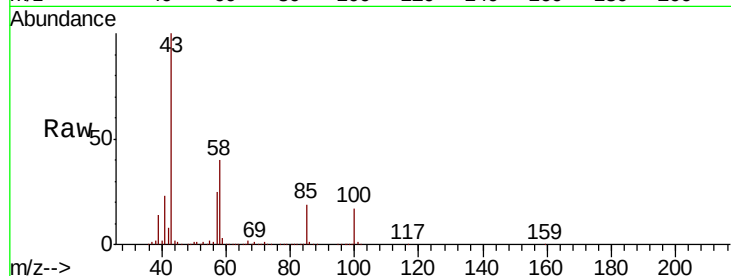




#51
4-Methyl-2-Pentanone
Concen: 271.700 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

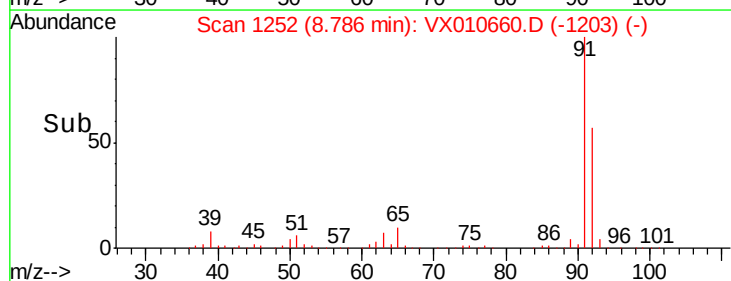
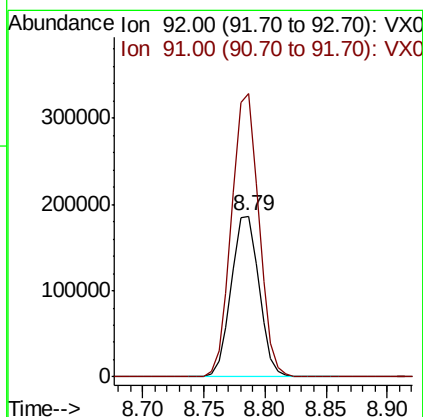
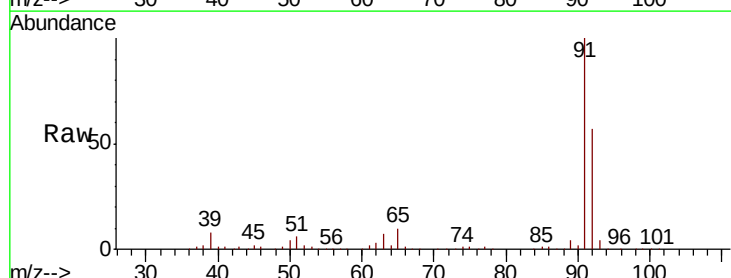
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

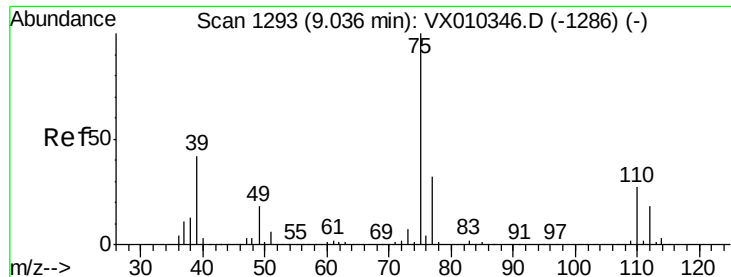
Tot Ion: 43 Resp: 786790
Ion Ratio Lower Upper
43 100
58 40.7 33.5 50.3



#52
Toluene
Concen: 53.841 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

Tgt Ion: 92 Resp: 293850
Ion Ratio Lower Upper
92 100
91 173.2 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 50.775 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

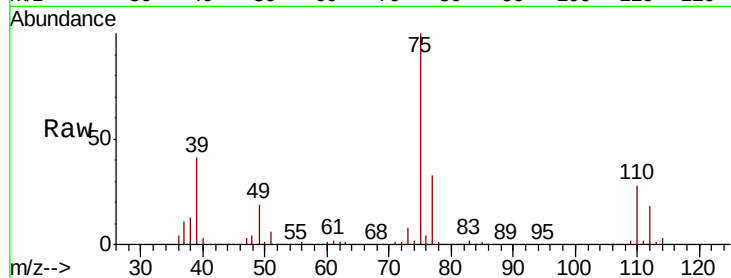
VSTDCCC050EC

Tot Ion: 75 Resp: 156653

Ion Ratio Lower Upper

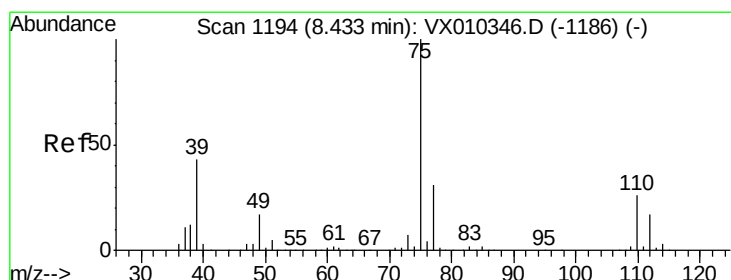
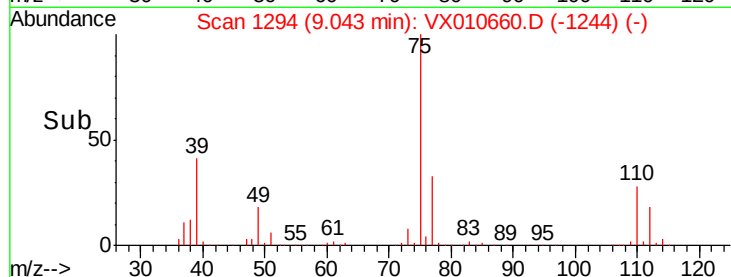
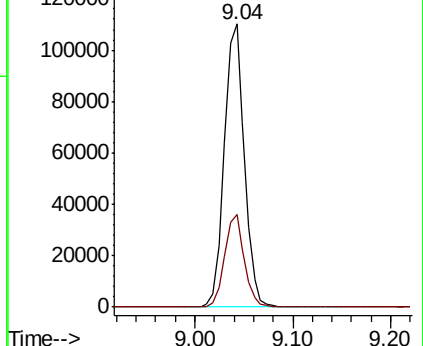
75 100

77 32.7 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 52.686 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

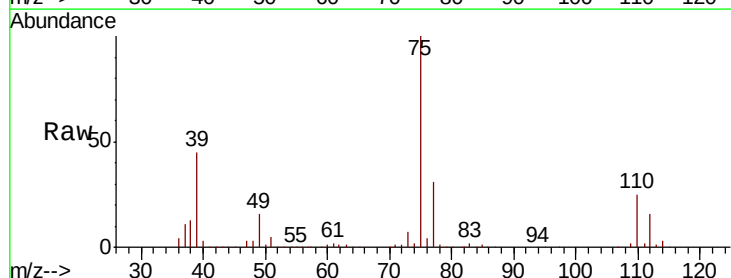
Tgt Ion: 75 Resp: 176643

Ion Ratio Lower Upper

75 100

77 31.2 25.2 37.8

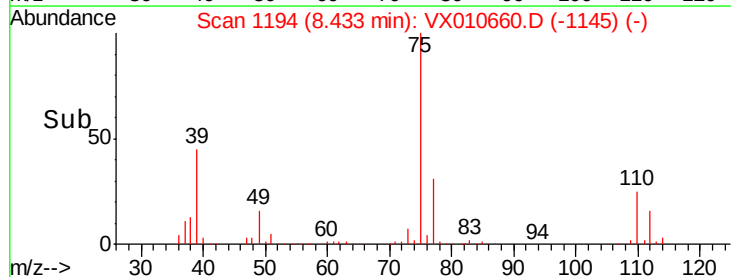
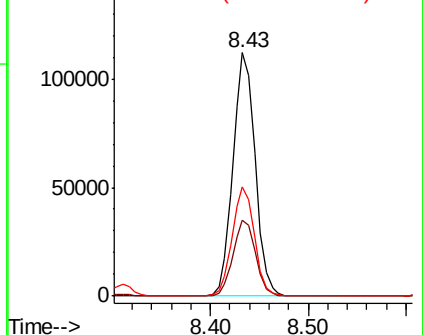
39 44.6 34.5 51.7

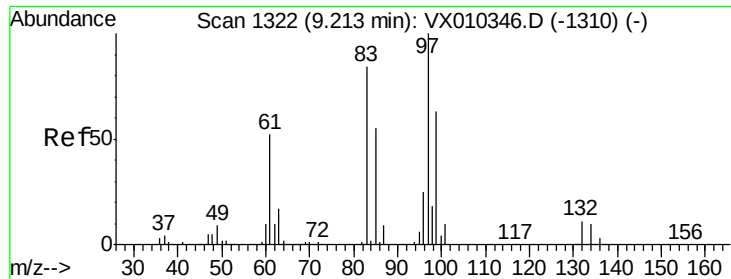


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

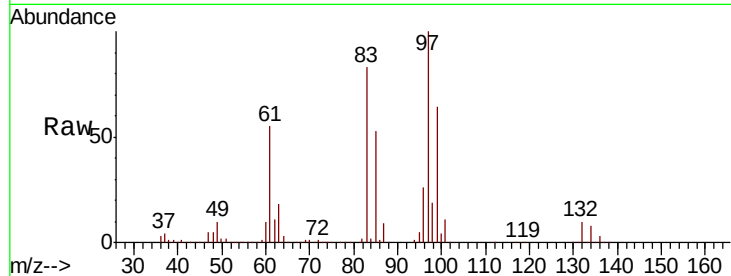




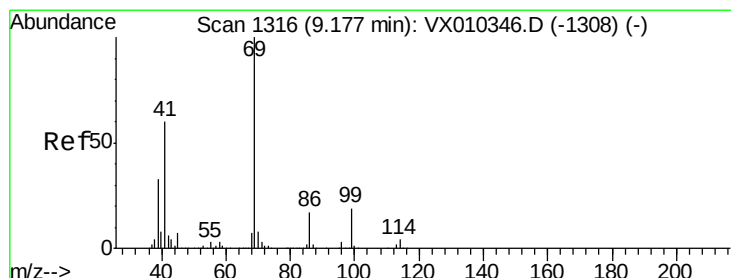
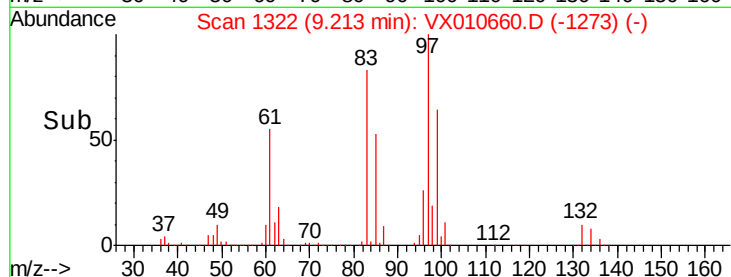
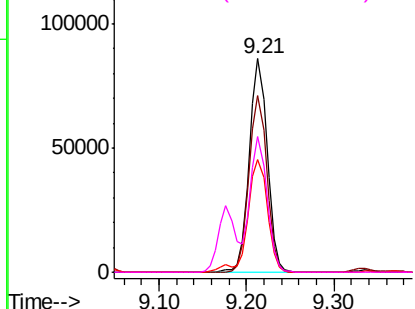
#55
 1,1,2-Trichloroethane
 Concen: 54.223 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	122051
Ion	Ratio	Lower	Upper
97	100		
83	82.5	67.4	101.0
85	53.0	43.8	65.8
99	63.6	50.3	75.5

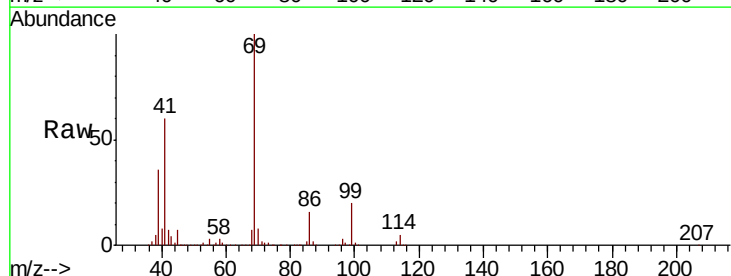


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

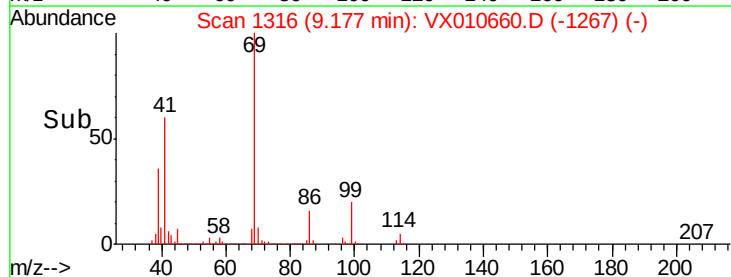
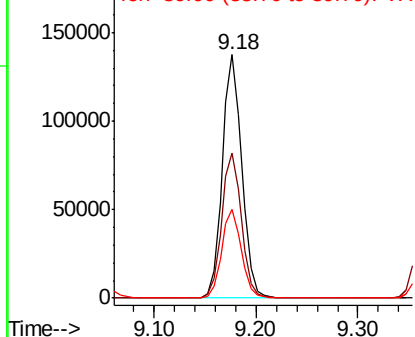


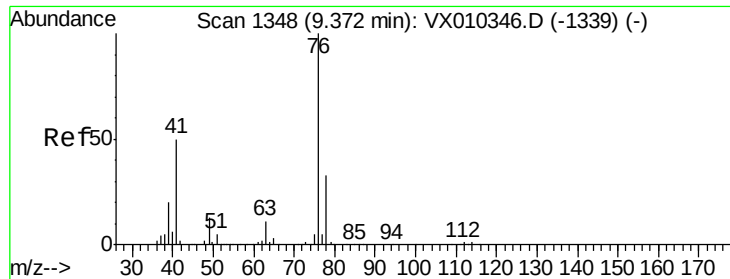
#56
 Ethyl methacrylate
 Concen: 53.832 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

Tgt Ion:	69	Resp:	183556
Ion	Ratio	Lower	Upper
69	100		
41	60.2	47.1	70.7
39	36.5	26.6	40.0



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: 54.458 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

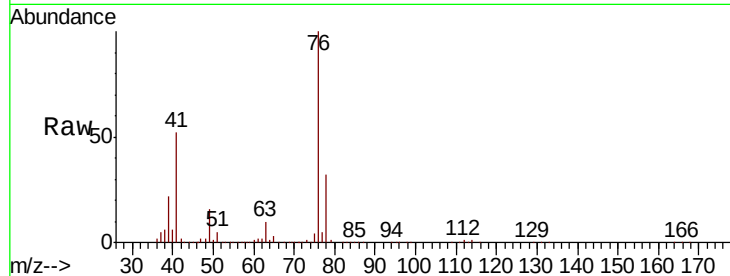
VSTDCCC050EC

Tot Ion: 76 Resp: 190280

Ion Ratio Lower Upper

76 100

78 33.1 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

150000

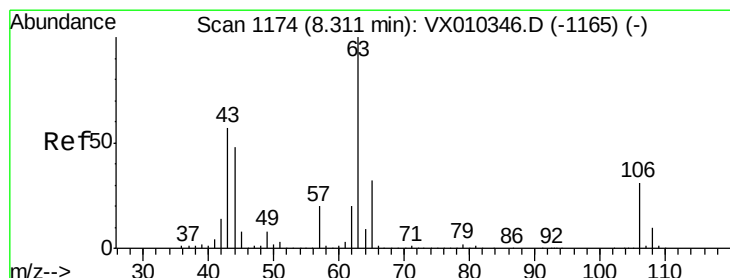
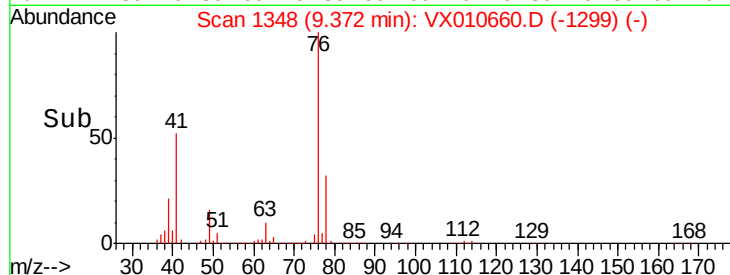
100000

50000

0

9.30 9.35 9.40 9.45

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 240.775 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX010660.D

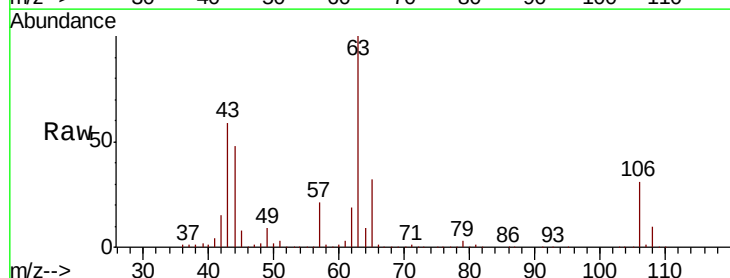
Acq: 03 Jul 2019 23:02

Tgt Ion: 63 Resp: 389914

Ion Ratio Lower Upper

63 100

106 29.8 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

300000

250000

200000

150000

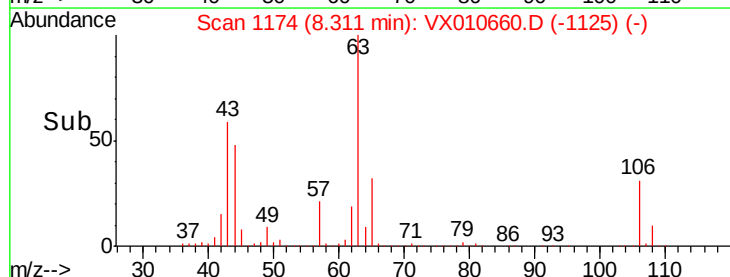
100000

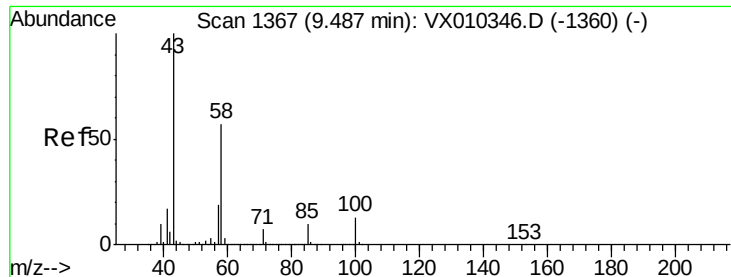
50000

0

8.20 8.30 8.40

Time-->

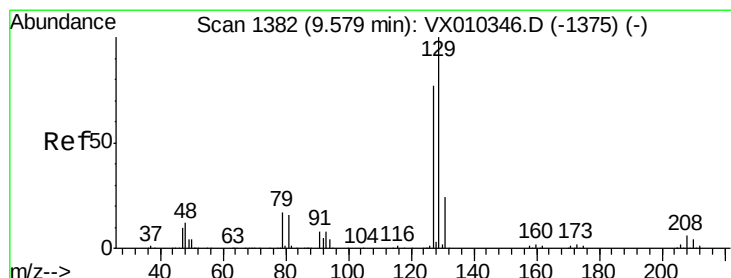
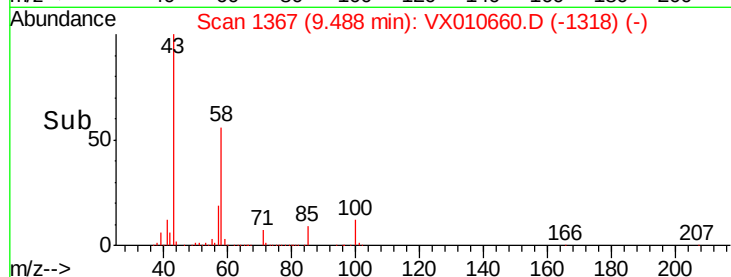
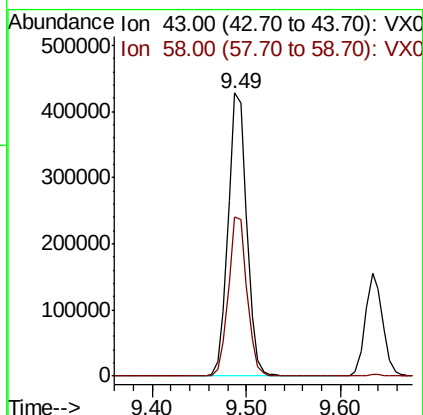
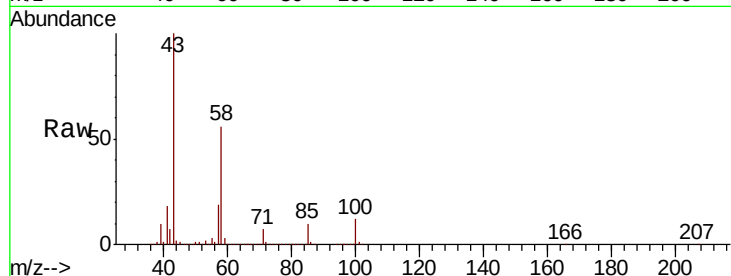




#59
2-Hexanone
Concen: 257.462 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

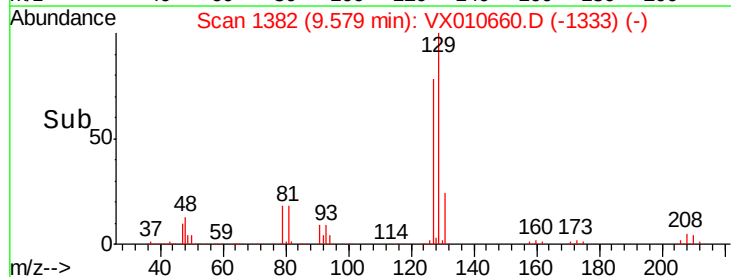
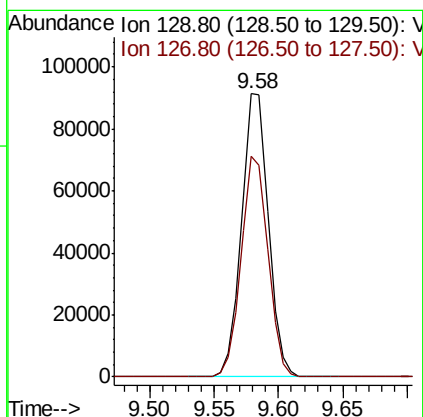
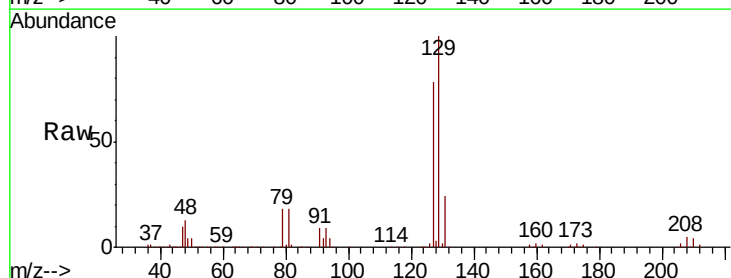
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

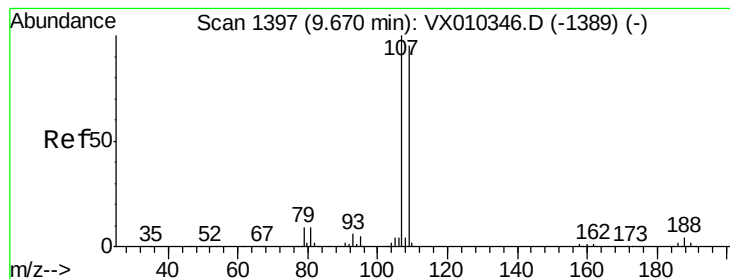
Tot Ion: 43 Resp: 586782
Ion Ratio Lower Upper
43 100
58 56.3 29.0 87.1



#60
Dibromochloromethane
Concen: 52.073 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

Tgt Ion: 129 Resp: 131237
Ion Ratio Lower Upper
129 100
127 78.1 38.4 115.1





#61

1,2-Dibromoethane

Concen: 54.642 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

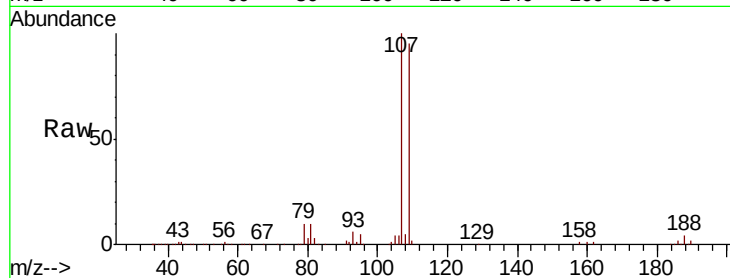
VSTDCCC050EC

Tot Ion:107 Resp: 132757

Ion Ratio Lower Upper

107 100

109 94.6 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

100000

80000

60000

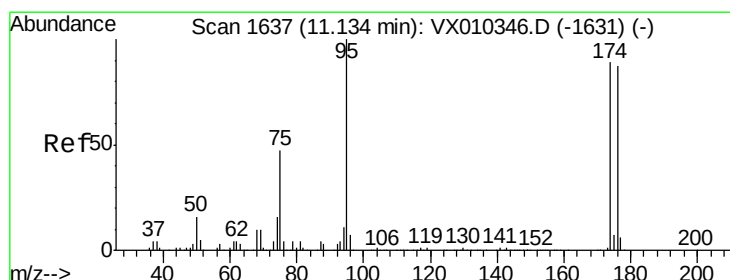
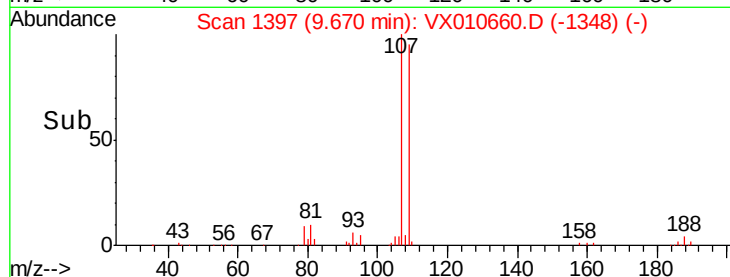
40000

20000

0

9.60 9.65 9.70 9.75 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 48.031 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

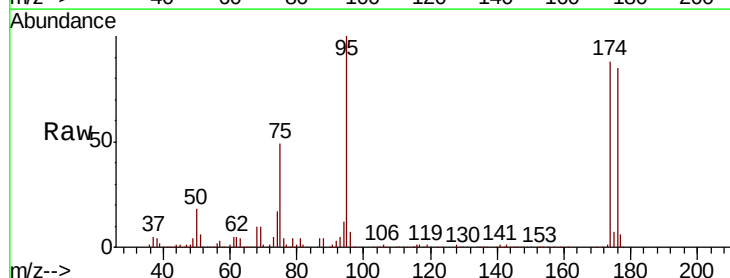
Tgt Ion: 95 Resp: 135879

Ion Ratio Lower Upper

95 100

174 92.2 0.0 187.6

176 89.0 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

150000

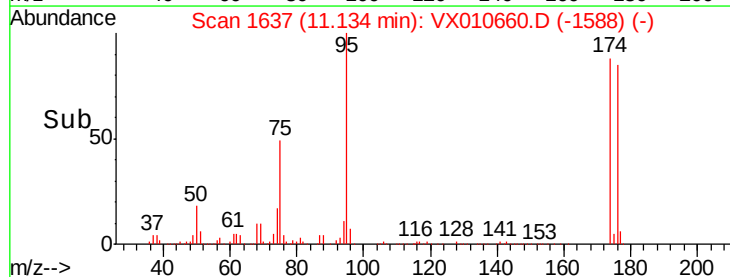
100000

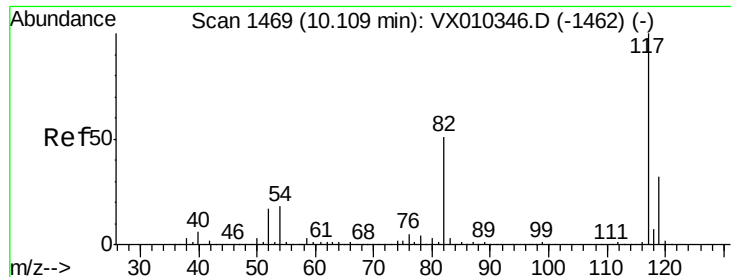
50000

0

11.10 11.20

Time-->

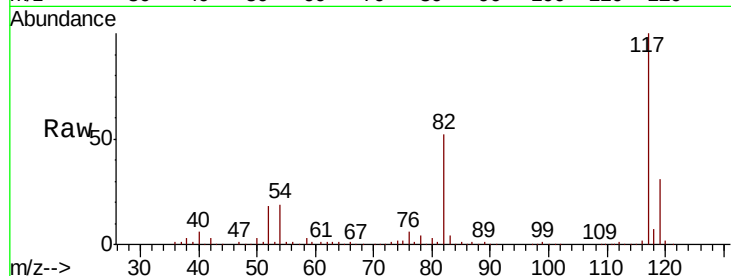




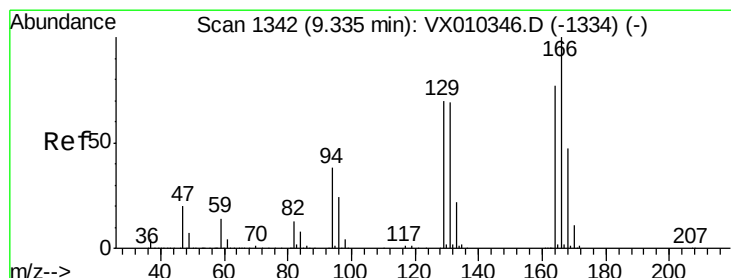
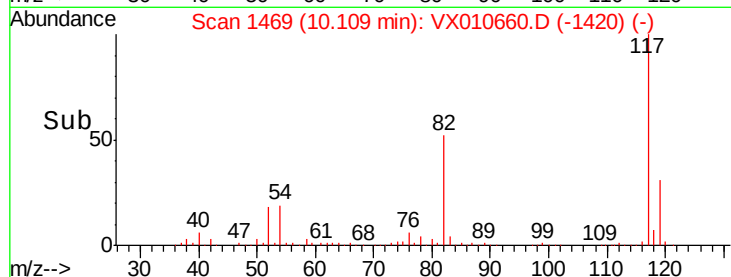
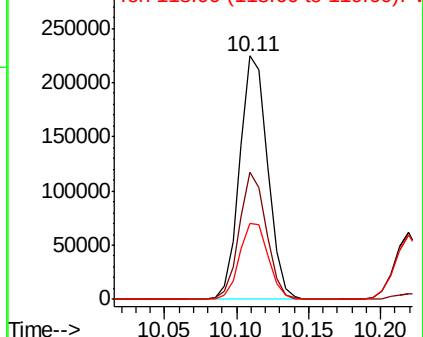
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 302151
Ion Ratio Lower Upper
117 100
82 52.5 41.2 61.8
119 31.2 25.5 38.3

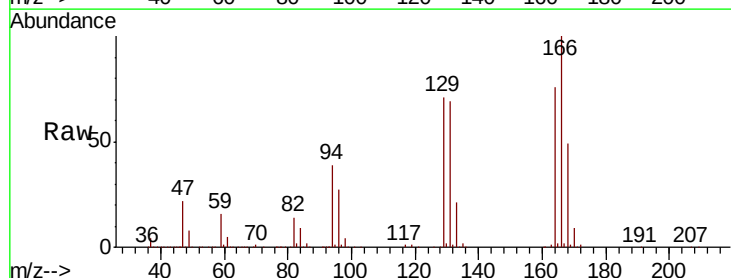


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

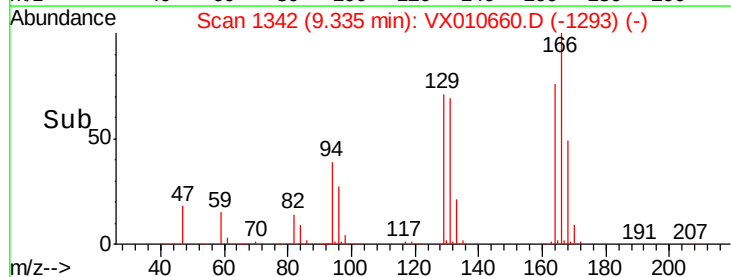
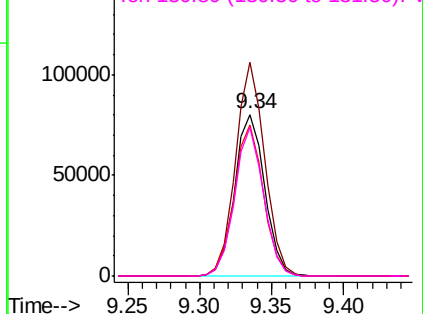


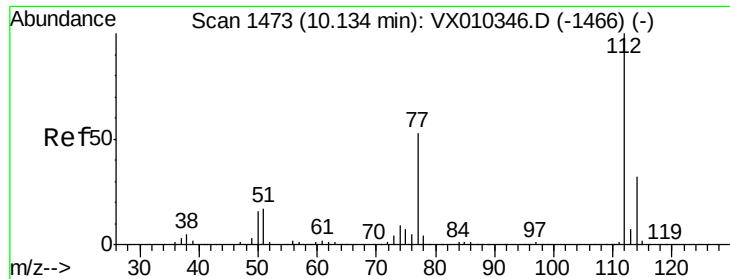
#64
Tetrachloroethene
Concen: 47.707 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

Tgt Ion:164 Resp: 116589
Ion Ratio Lower Upper
164 100
166 132.4 103.6 155.4
129 93.9 73.0 109.4
131 91.7 71.0 106.4



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

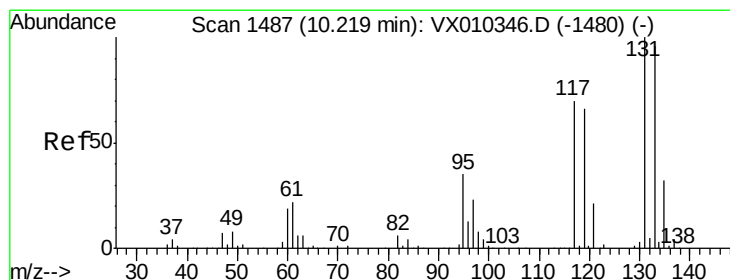
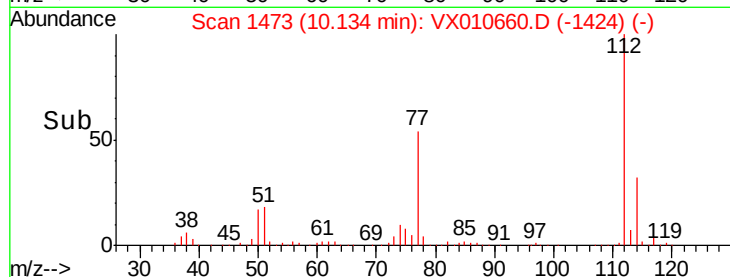
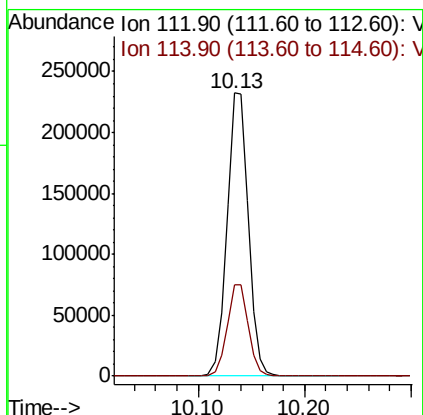
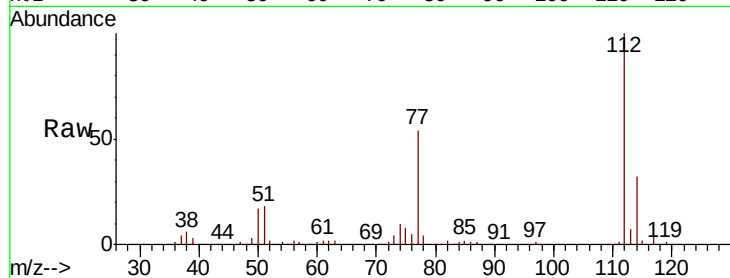




#65
Chlorobenzene
Concen: 53.106 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

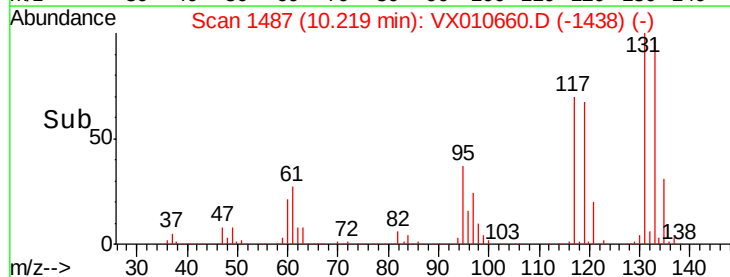
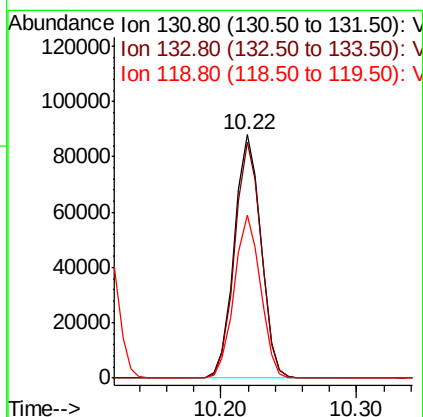
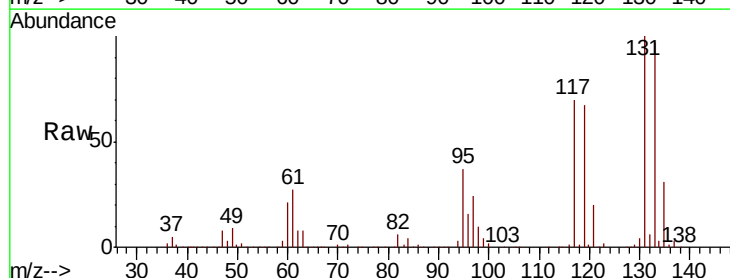
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

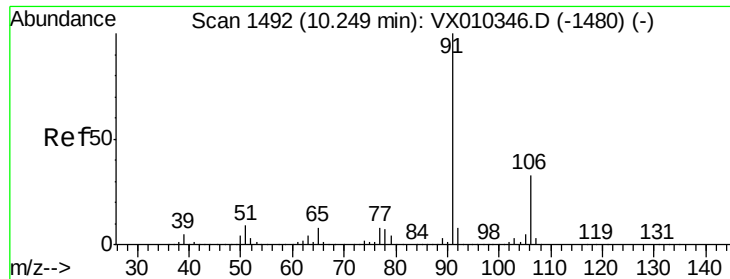
Tot Ion:112 Resp: 325768
Ion Ratio Lower Upper
112 100
114 32.2 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 53.636 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

Tgt Ion:131 Resp: 119844
Ion Ratio Lower Upper
131 100
133 96.4 47.7 143.1
119 66.2 32.6 97.7

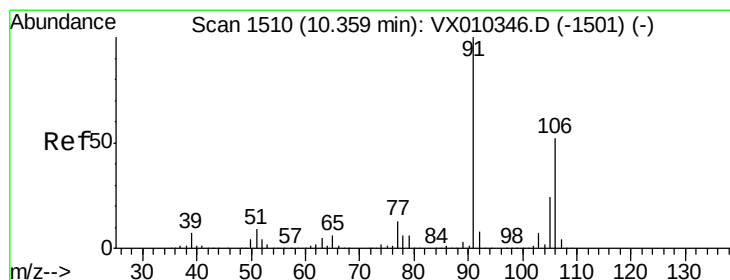
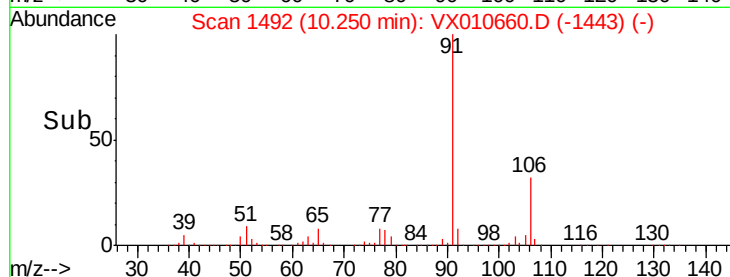
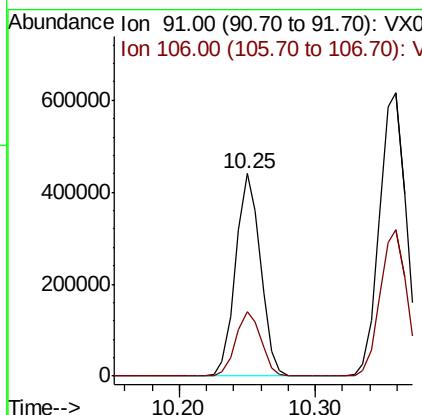
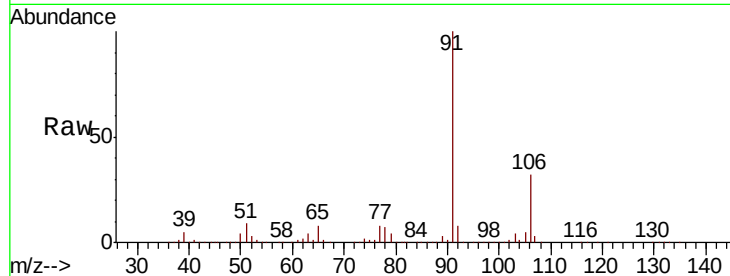




#67
Ethyl Benzene
Concen: 54.157 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

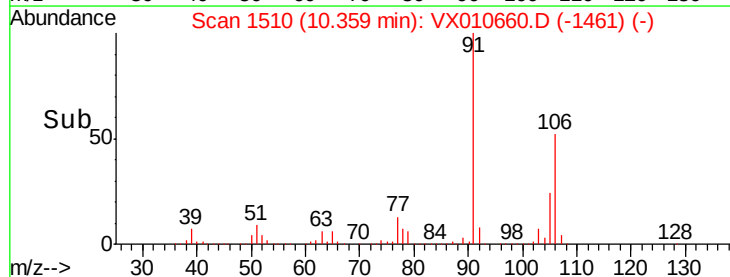
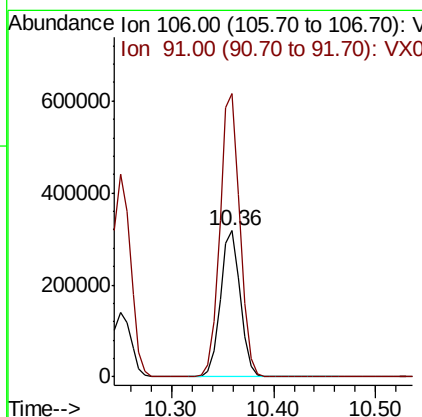
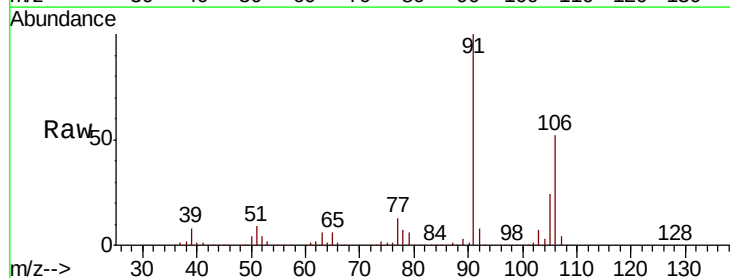
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

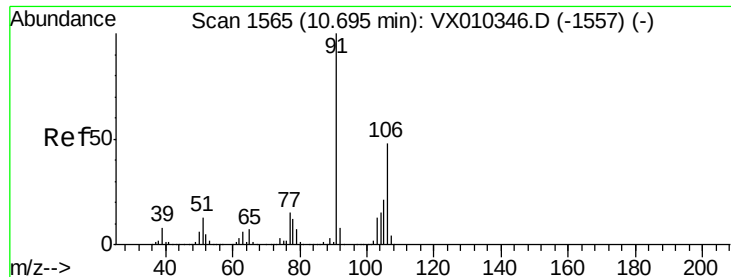
Tot Ion: 91 Resp: 560849
Ion Ratio Lower Upper
91 100
106 31.8 26.2 39.2



#68
m/p-Xylenes
Concen: 107.359 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

Tgt Ion: 106 Resp: 430795
Ion Ratio Lower Upper
106 100
91 195.2 155.3 232.9

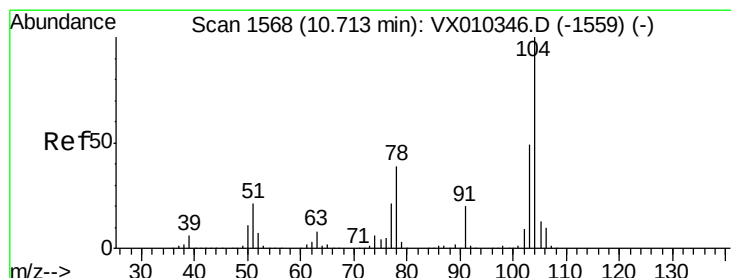
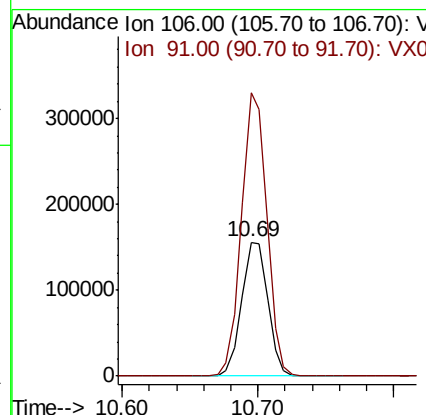
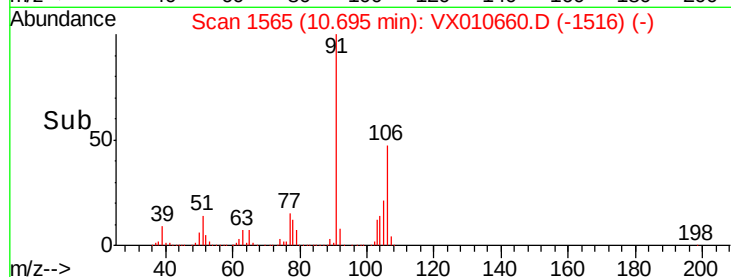
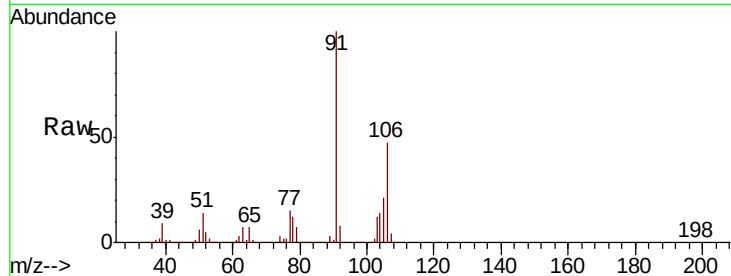




#69
o-Xylene
Concen: 53.243 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

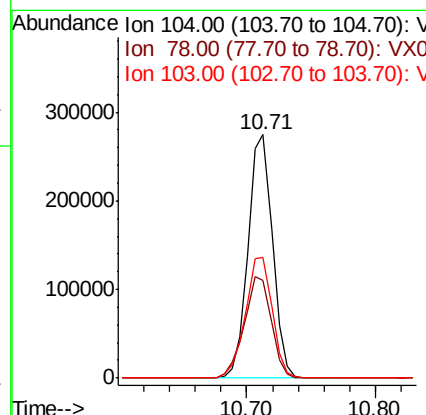
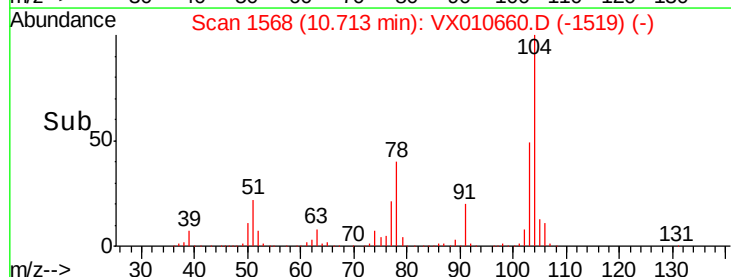
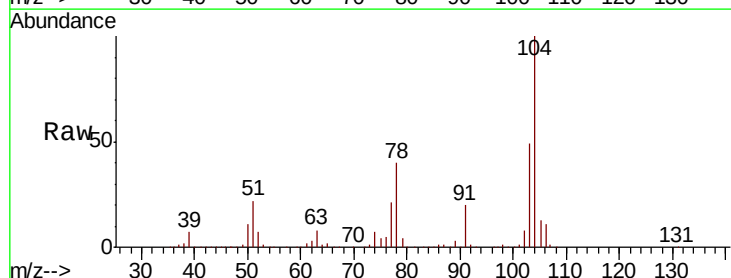
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

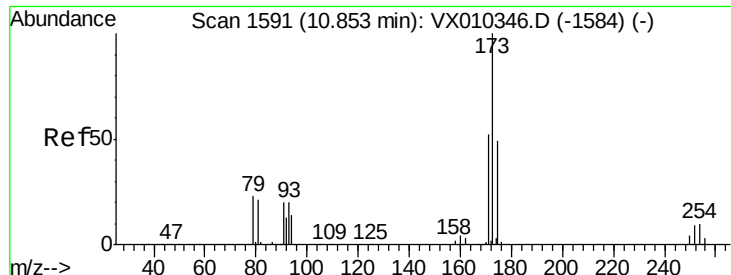
Tot Ion:106 Resp: 210101
Ion Ratio Lower Upper
106 100
91 204.5 102.7 308.1



#70
Styrene
Concen: 54.170 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010660.D
Acq: 03 Jul 2019 23:02

Tgt Ion:104 Resp: 358484
Ion Ratio Lower Upper
104 100
78 46.6 36.2 54.2
103 54.7 44.2 66.4





#71

Bromoform

Concen: 50.779 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

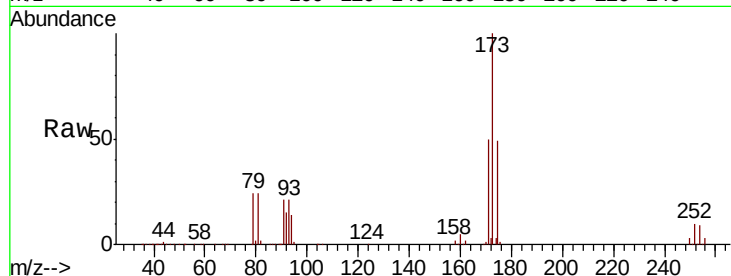
Tot Ion:173 Resp: 98669

Ion Ratio Lower Upper

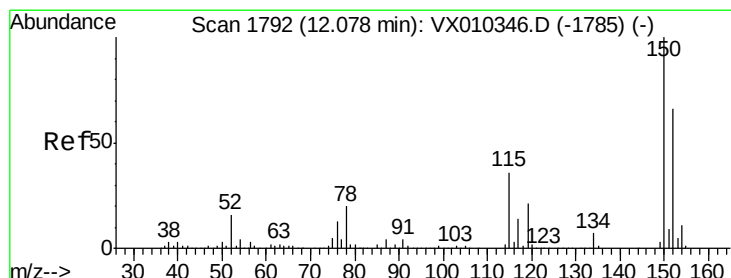
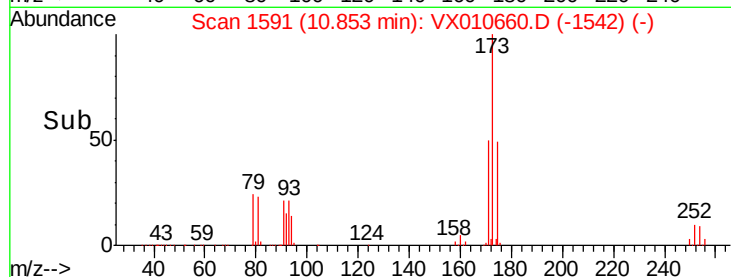
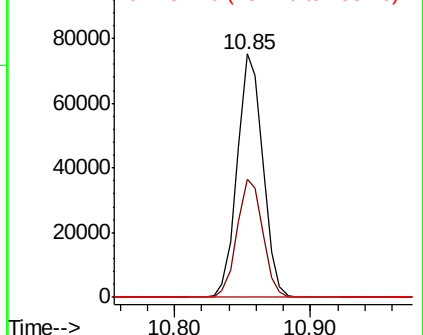
173 100

175 48.7 24.1 72.3

254 0.2 0.2 0.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

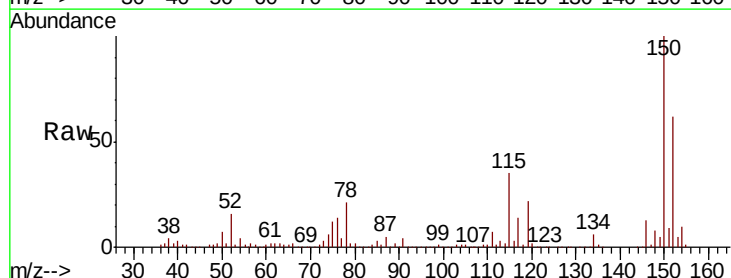
Tgt Ion:152 Resp: 152300

Ion Ratio Lower Upper

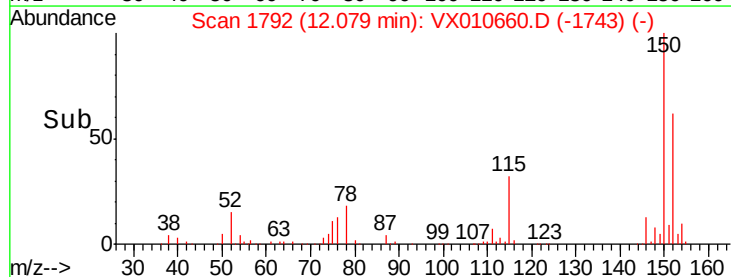
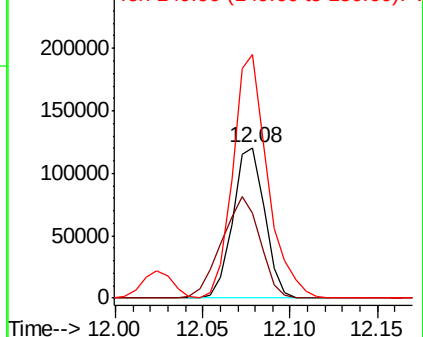
152 100

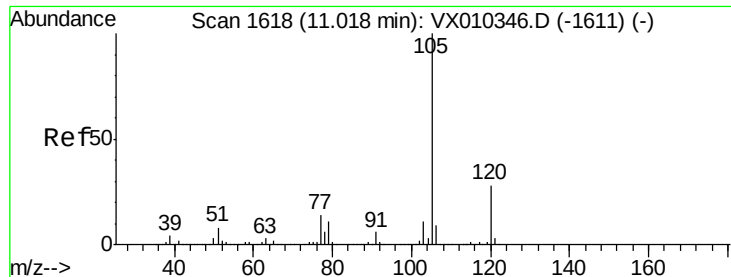
115 81.3 38.6 115.7

150 176.5 0.0 347.4



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





#73

Isopropylbenzene

Concen: 53.796 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

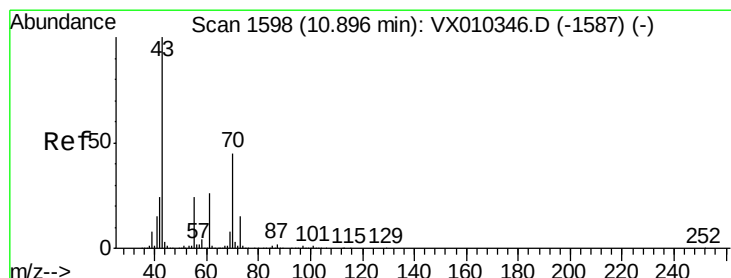
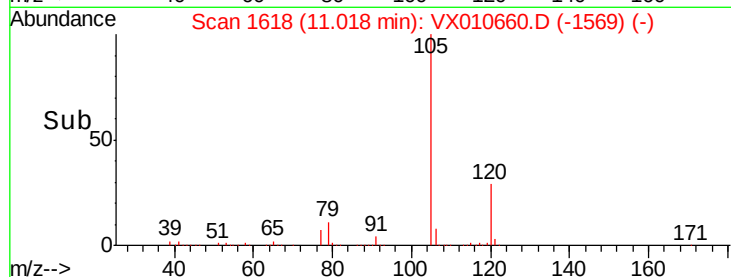
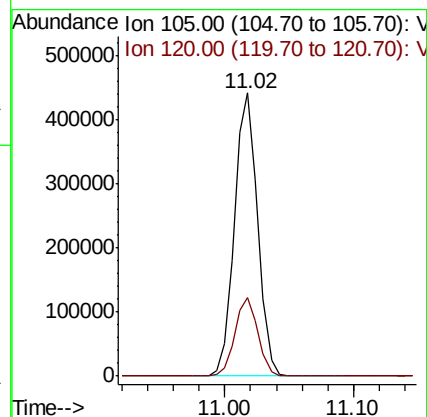
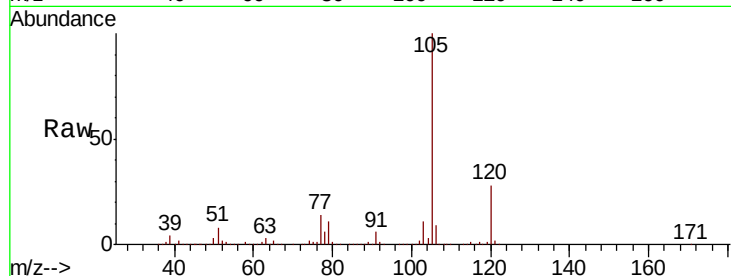
VSTDCCC050EC

Tot Ion:105 Resp: 555390

Ion Ratio Lower Upper

105 100

120 27.4 14.1 42.4



#74

N-ethyl acetate

Concen: 43.755 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Tgt Ion: 43 Resp: 170717

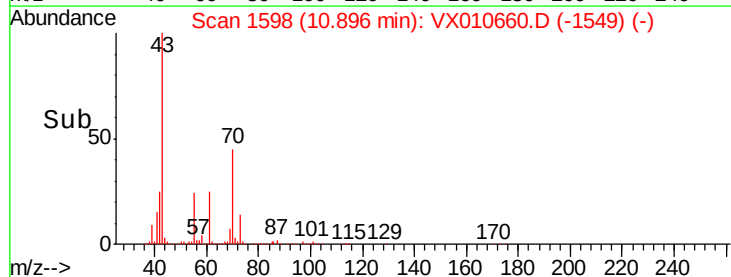
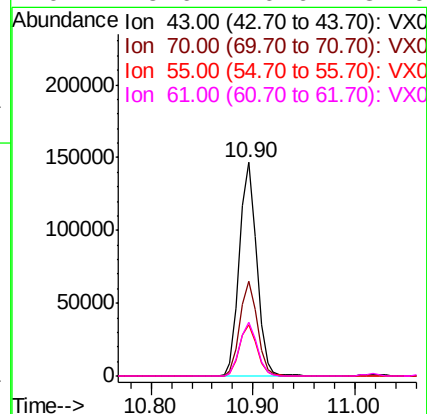
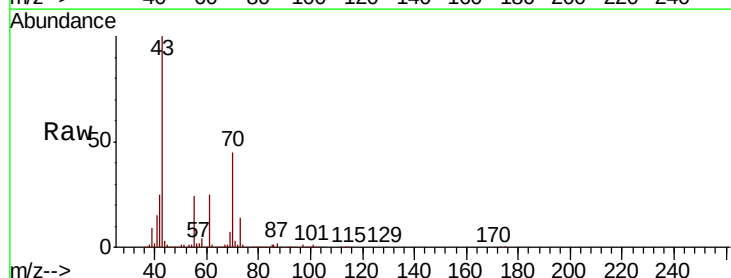
Ion Ratio Lower Upper

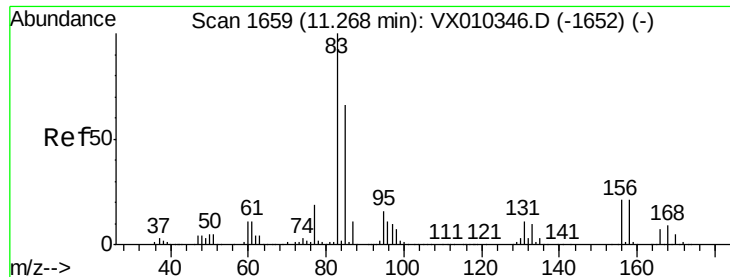
43 100

70 44.6 36.6 54.8

55 24.6 18.7 28.1

61 25.6 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.745 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

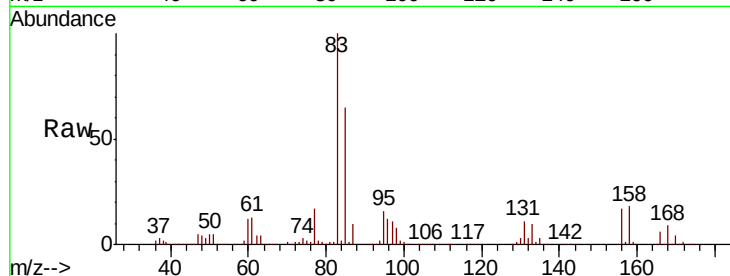
Tot Ion: 83 Resp: 183758

Ion Ratio Lower Upper

83 100

131 11.0 5.5 16.4

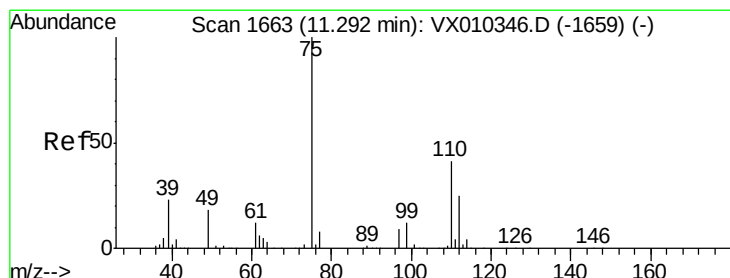
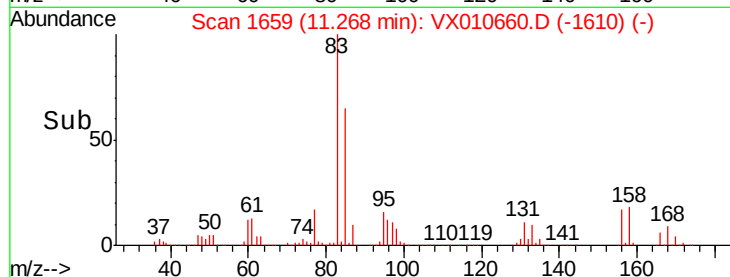
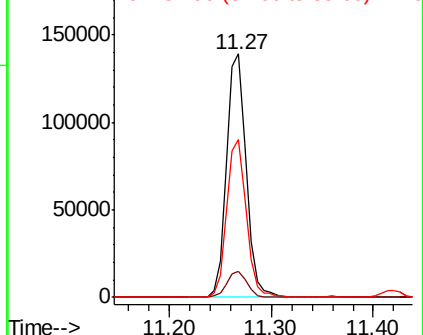
85 64.7 32.3 96.8



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: 71.156 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX010660.D

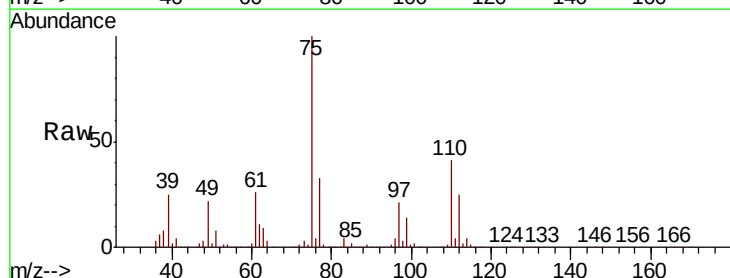
Acq: 03 Jul 2019 23:02

Tgt Ion: 75 Resp: 197479

Ion Ratio Lower Upper

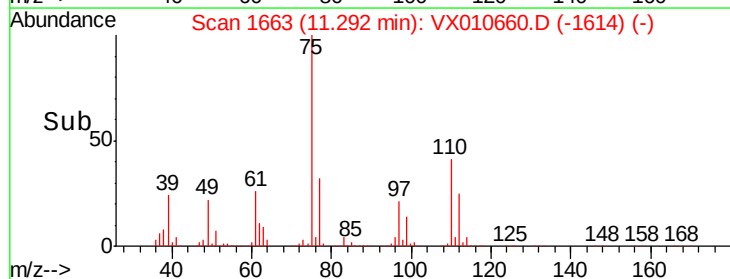
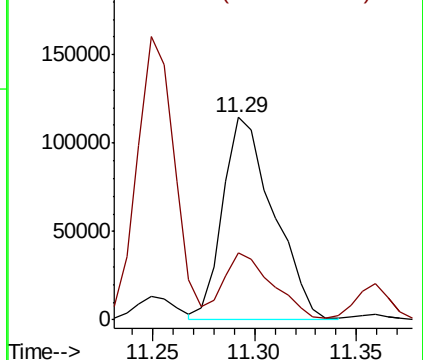
75 100

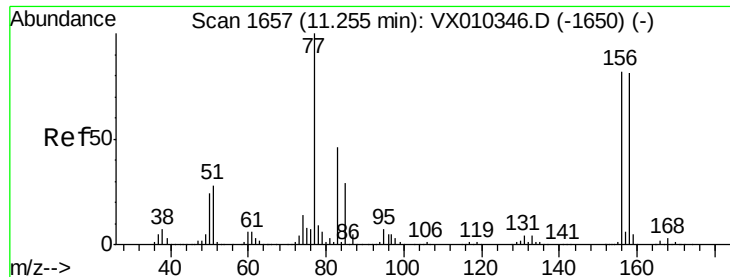
77 32.3 22.6 67.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 52.087 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

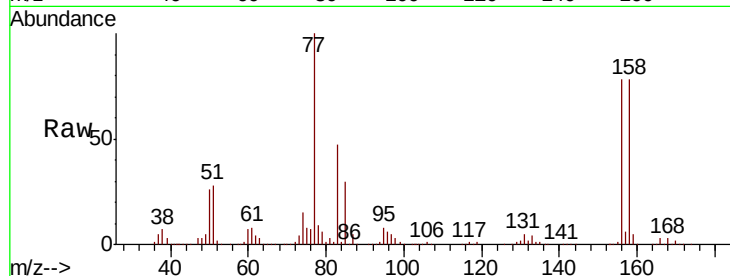
Tot Ion:156 Resp: 150154

Ion Ratio Lower Upper

156 100

77 135.5 66.3 198.7

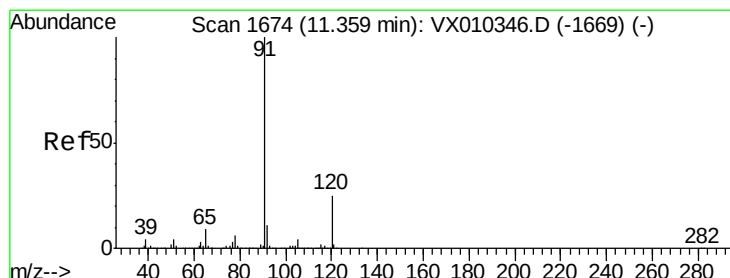
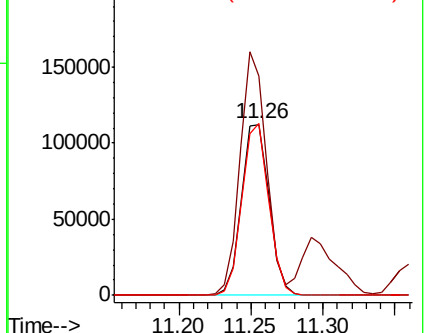
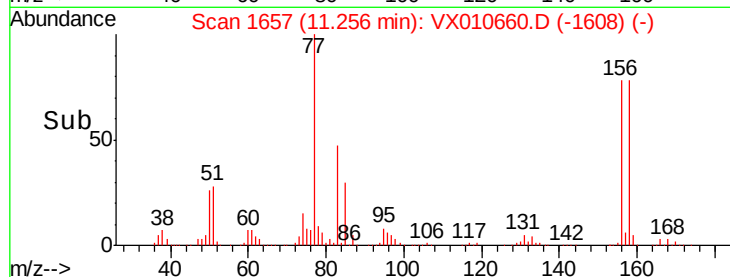
158 96.9 48.9 146.7



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: 54.569 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010660.D

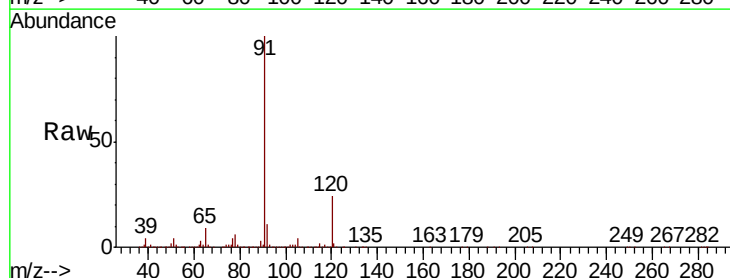
Acq: 03 Jul 2019 23:02

Tgt Ion: 91 Resp: 619173

Ion Ratio Lower Upper

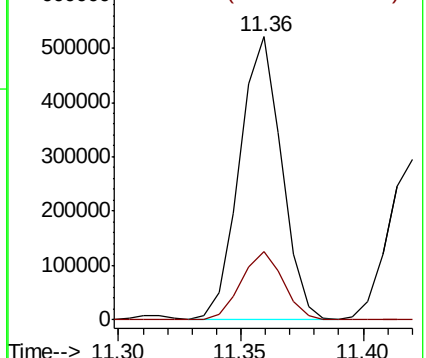
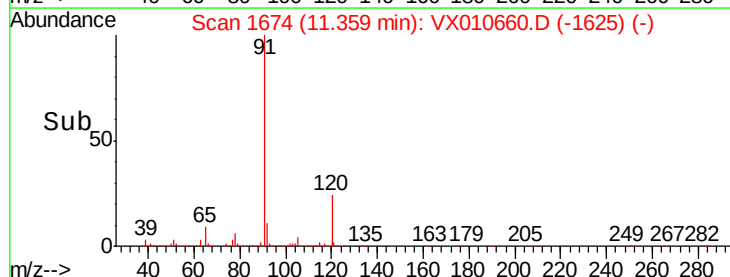
91 100

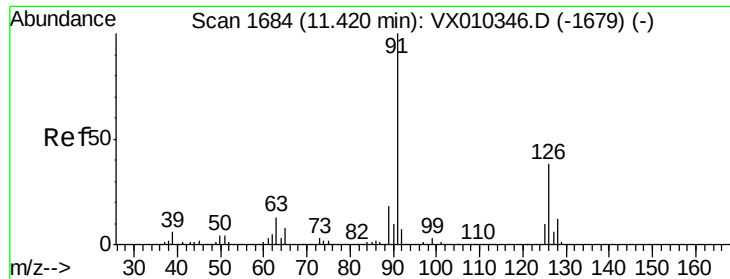
120 24.2 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.524 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

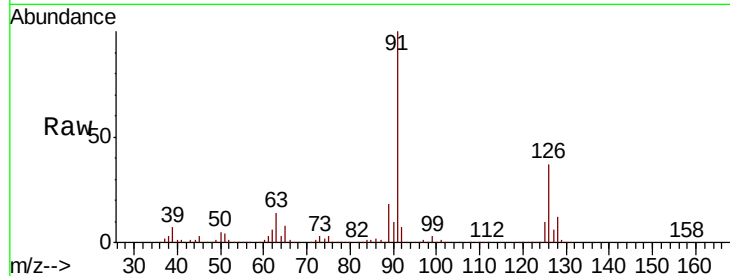
VSTDCCC050EC

Tot Ion: 91 Resp: 361644

Ion Ratio Lower Upper

91 100

126 36.8 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VX010346.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX010346.D (-1679) (-)

600000

500000

400000

300000

200000

100000

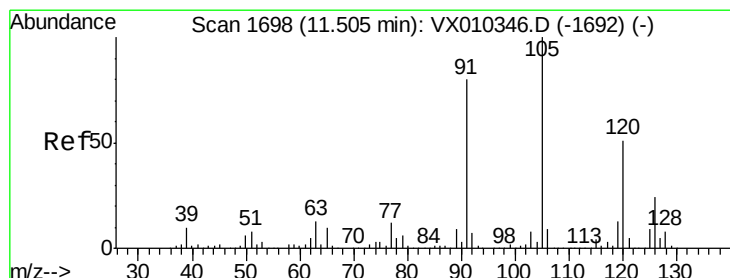
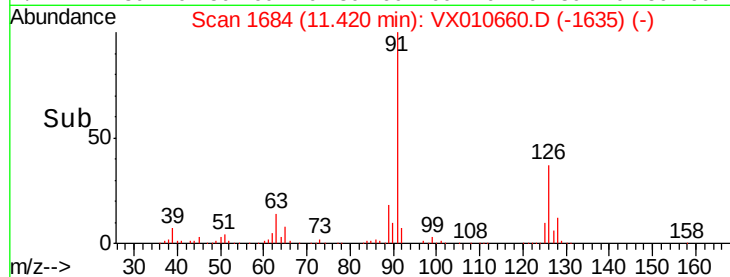
0

11.40

11.42

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.508 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010660.D

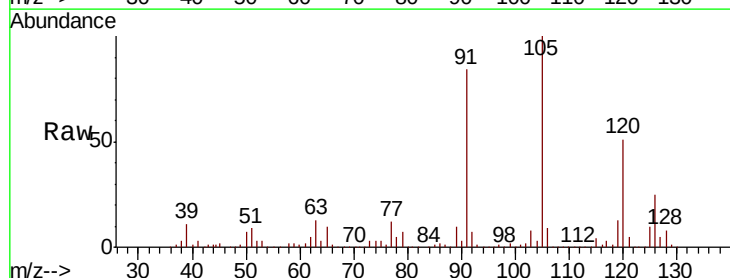
Acq: 03 Jul 2019 23:02

Tgt Ion: 105 Resp: 455402

Ion Ratio Lower Upper

105 100

120 50.3 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VX010346.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX010346.D (-1692) (-)

400000

300000

200000

100000

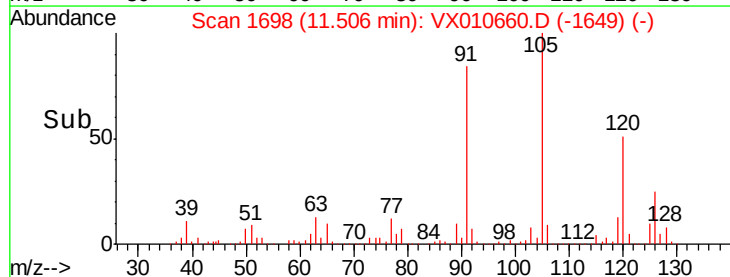
0

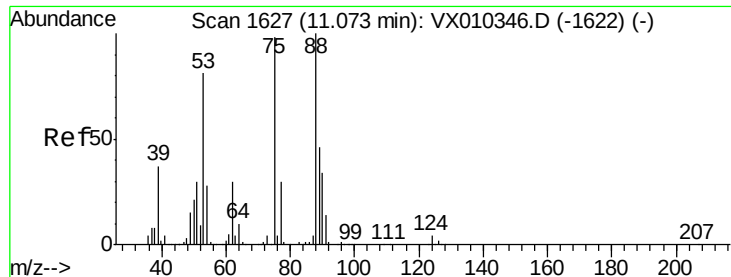
11.45

11.50

11.55

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 44.246 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

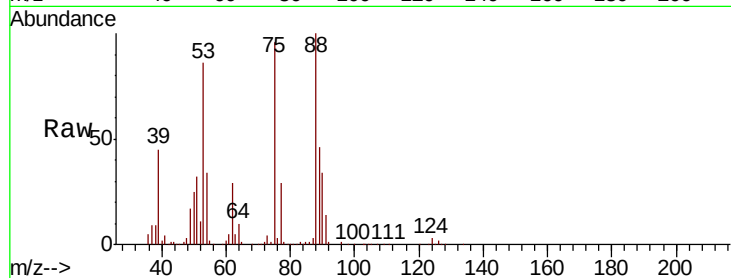
Tot Ion: 75 Resp: 52637

Ion Ratio Lower Upper

75 100

53 91.7 66.1 99.1

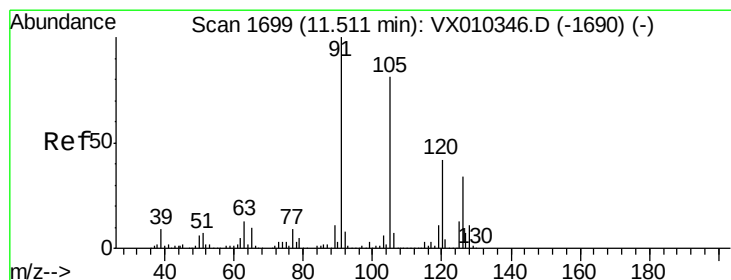
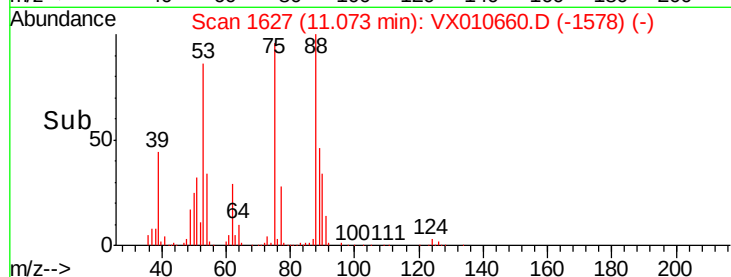
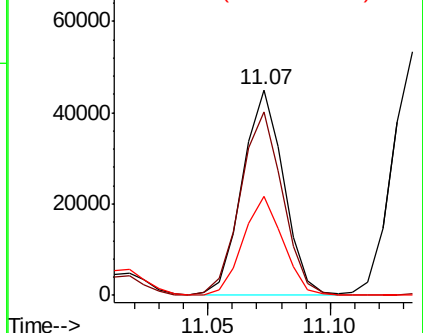
89 46.8 37.8 56.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 54.775 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX010660.D

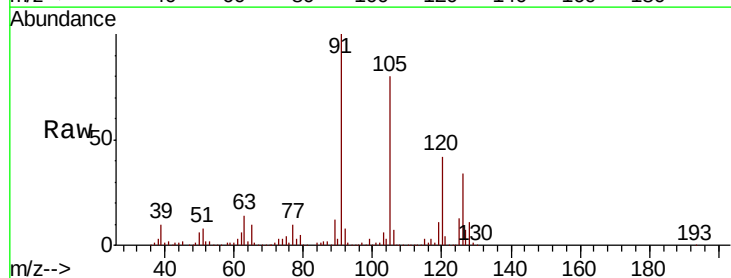
Acq: 03 Jul 2019 23:02

Tgt Ion: 91 Resp: 421129

Ion Ratio Lower Upper

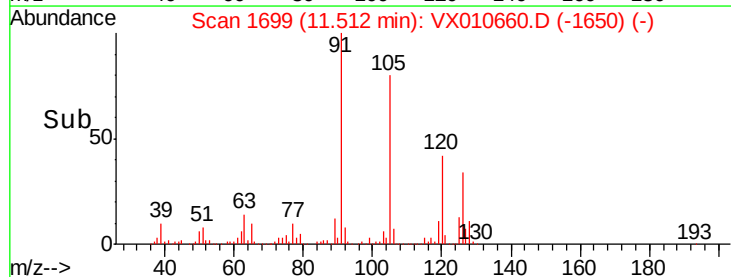
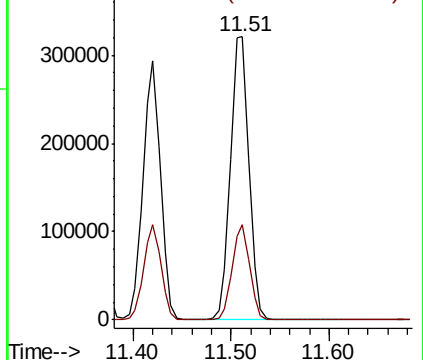
91 100

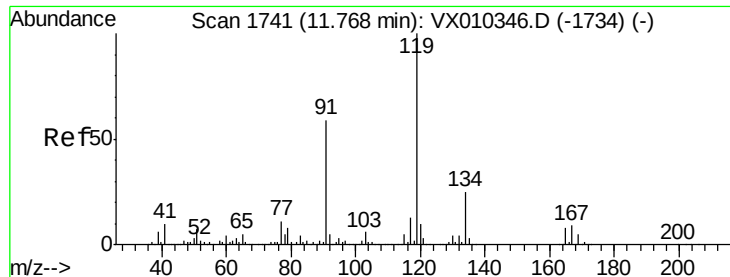
126 32.1 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

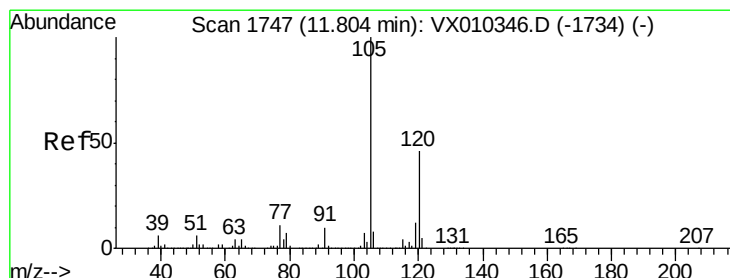
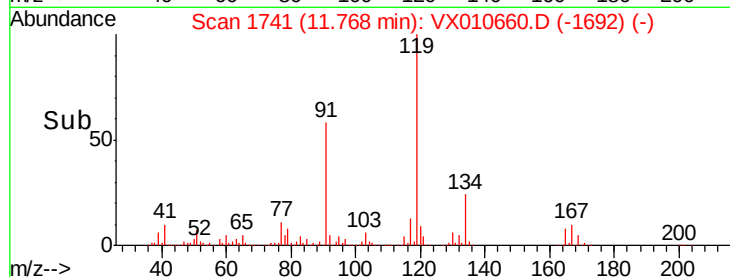
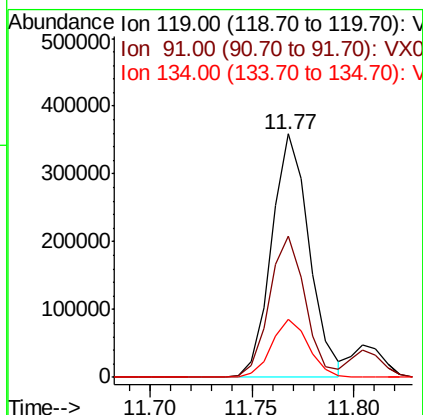
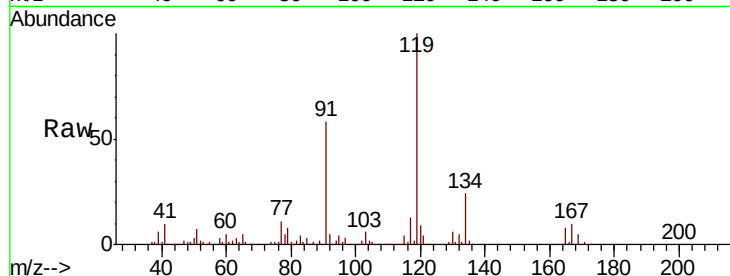




#83
 tert-Butylbenzene
 Concen: 54.059 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

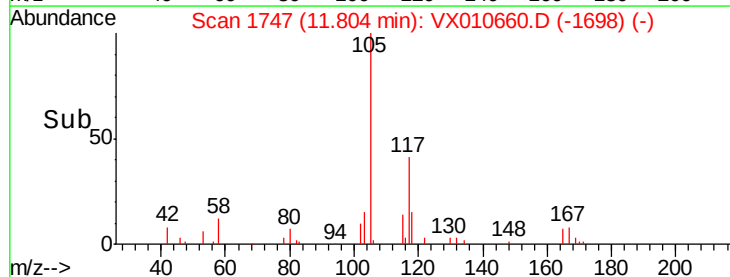
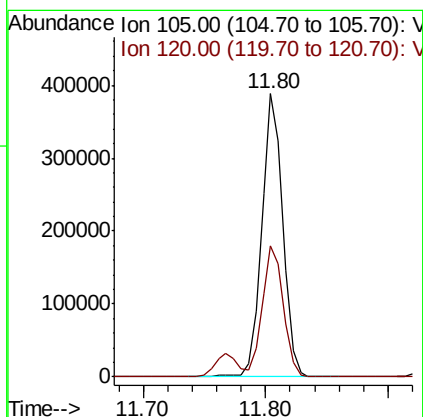
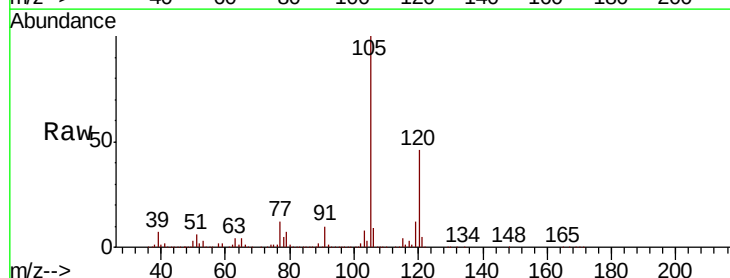
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

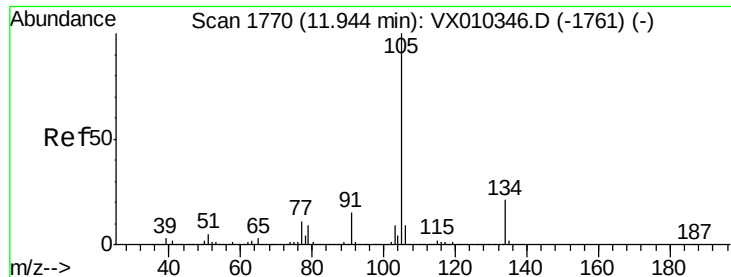
Tot Ion:119 Resp: 461793
 Ion Ratio Lower Upper
 119 100
 91 55.9 27.6 82.7
 134 23.4 11.8 35.4



#84
 1,2,4-Trimethylbenzene
 Concen: 54.355 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

Tgt Ion:105 Resp: 464785
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.1 69.2





#85

sec-Butylbenzene

Concen: 53.355 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

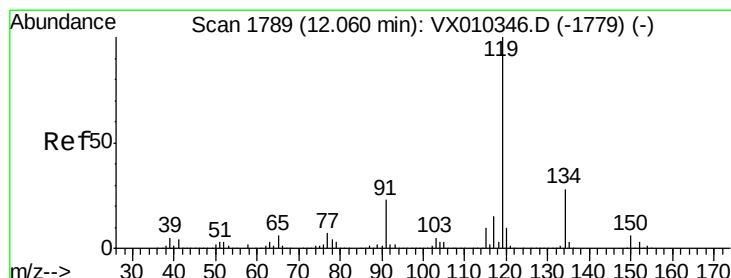
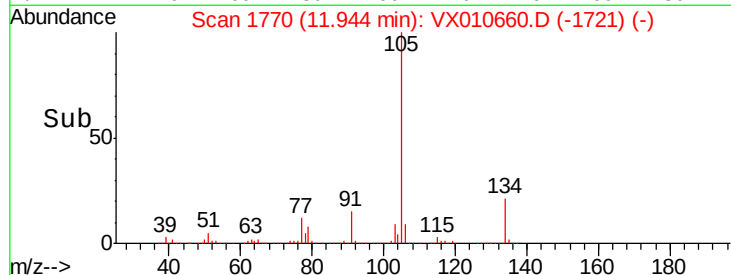
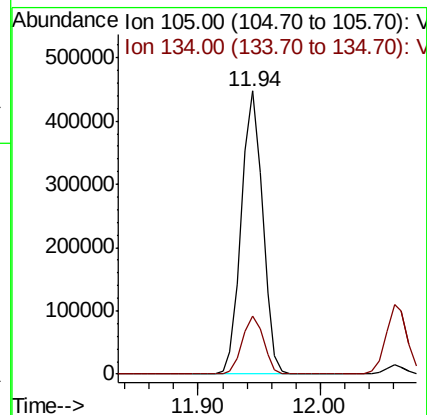
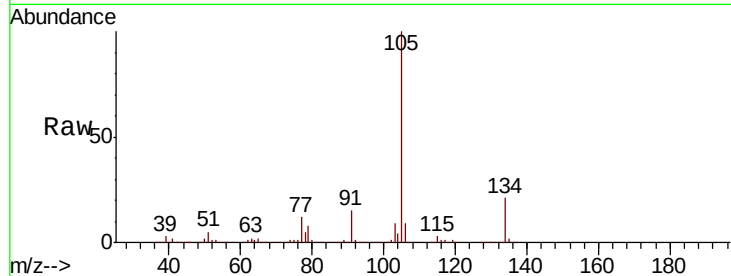
VSTDCCC050EC

Tot Ion:105 Resp: 535138

Ion Ratio Lower Upper

105 100

134 20.8 10.7 31.9



#86

p-Isopropyltoluene

Concen: 53.340 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

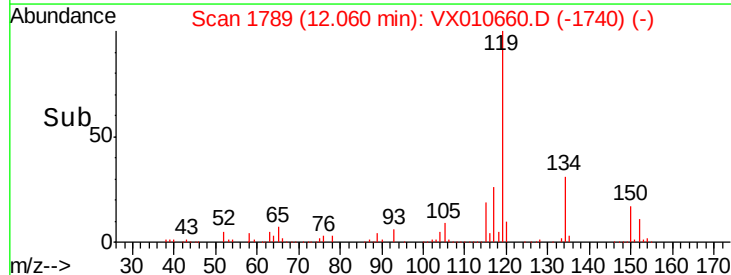
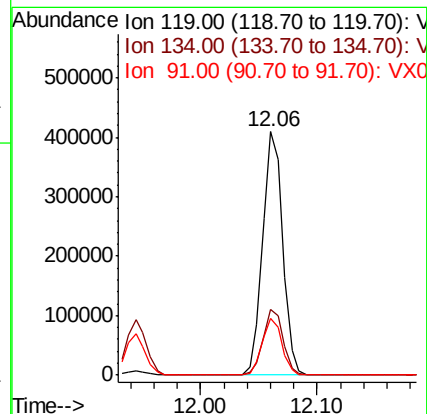
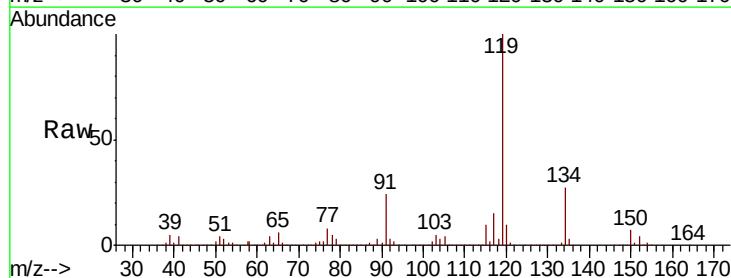
Tgt Ion:119 Resp: 494854

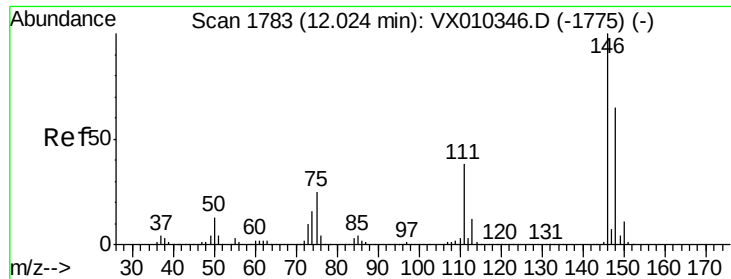
Ion Ratio Lower Upper

119 100

134 27.0 13.7 41.1

91 23.2 11.3 33.8

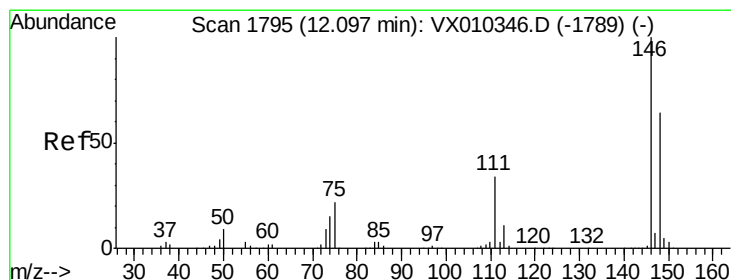
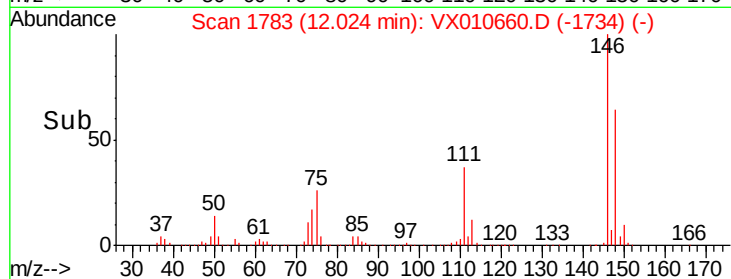
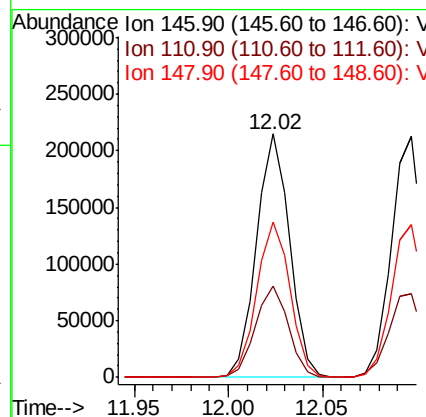
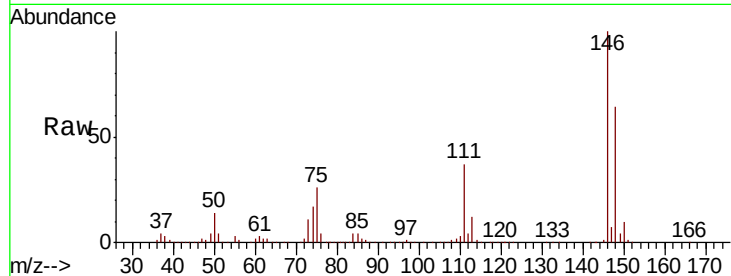




#87
 1,3-Dichlorobenzene
 Concen: 51.899 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

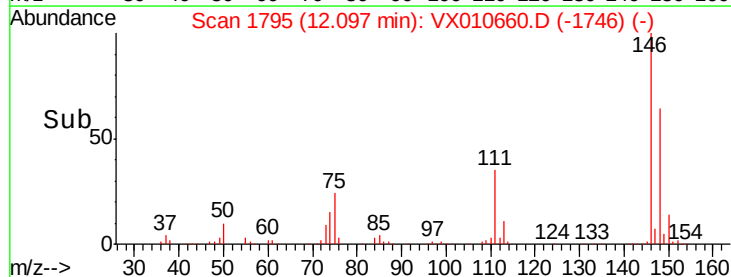
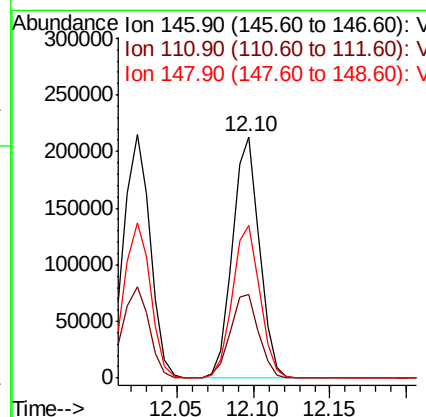
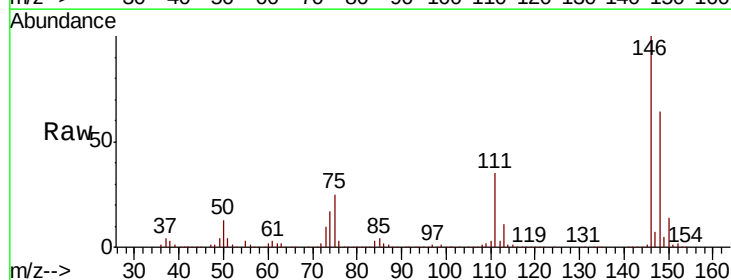
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

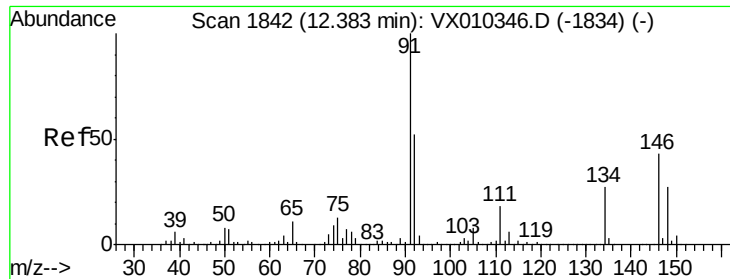
Tot Ion:146 Resp: 261157
 Ion Ratio Lower Upper
 146 100
 111 37.6 19.1 57.1
 148 64.3 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 50.664 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

Tgt Ion:146 Resp: 259546
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.1 54.3
 148 64.6 32.1 96.3





#89

n-Butylbenzene

Concen: 52.774 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

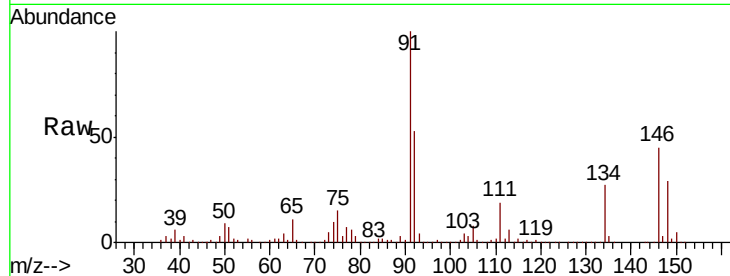
Tot Ion: 91 Resp: 416039

Ion Ratio Lower Upper

91 100

92 52.9 26.2 78.5

134 27.8 14.1 42.4



Abundance Ion 91.00 (90.70 to 91.70): VX010660.D (-1793) (-)

Ion 92.00 (91.70 to 92.70): VX010660.D (-1793) (-)

Ion 134.00 (133.70 to 134.70): VX010660.D (-1793) (-)

12.38

400000

300000

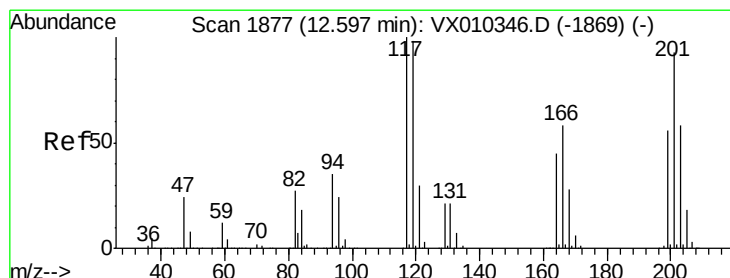
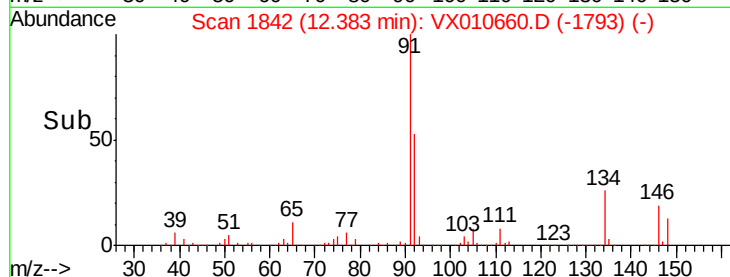
200000

100000

0

12.30 12.40 12.50

Time-->



#90

Hexachloroethane

Concen: 50.766 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX010660.D

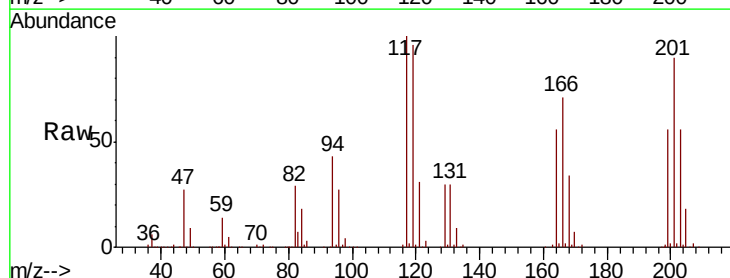
Acq: 03 Jul 2019 23:02

Tgt Ion: 117 Resp: 81437

Ion Ratio Lower Upper

117 100

201 85.4 44.0 131.8



Abundance Ion 116.80 (116.50 to 117.50): VX010660.D (-1828) (-)

Ion 200.70 (200.40 to 201.40): VX010660.D (-1828) (-)

12.60

60000

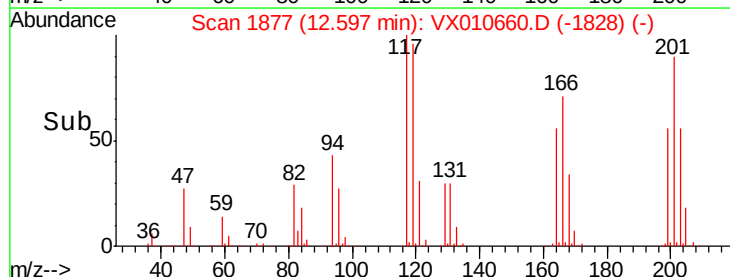
40000

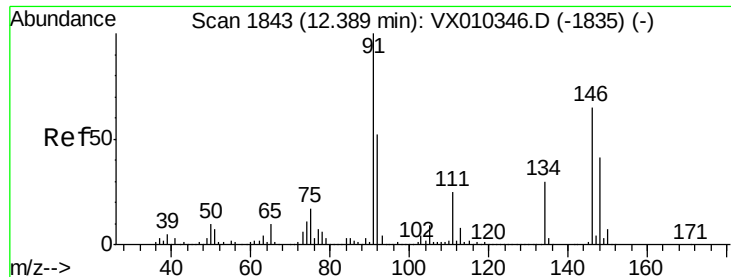
20000

0

12.55 12.60 12.65

Time-->

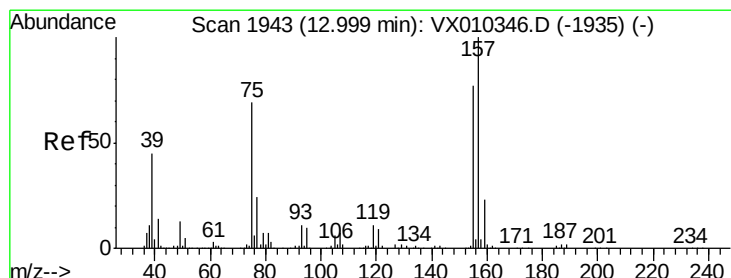
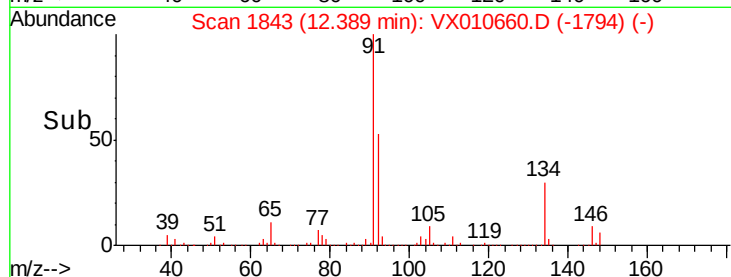
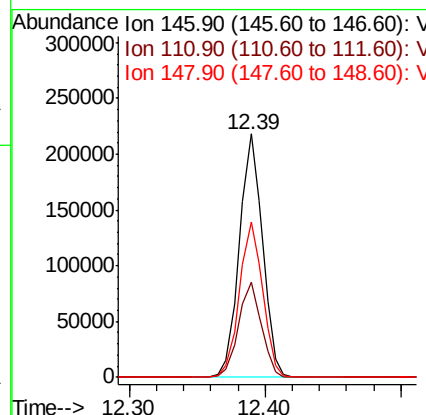
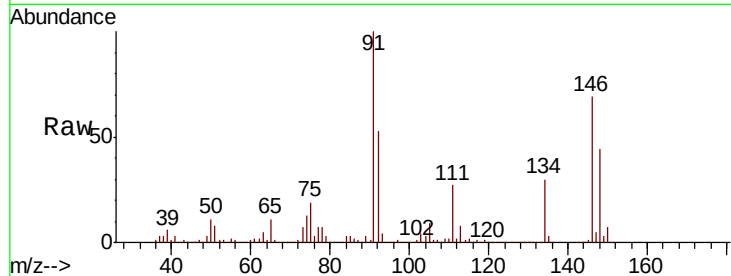




#91
 1,2-Dichlorobenzene
 Concen: 51.669 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

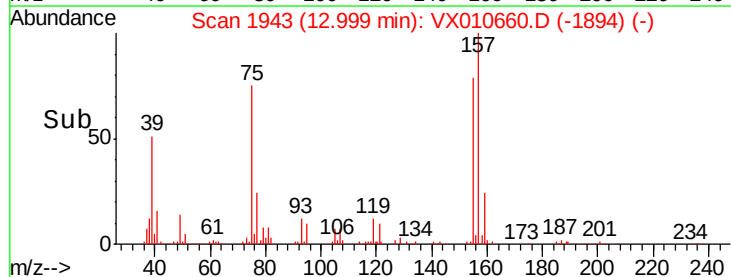
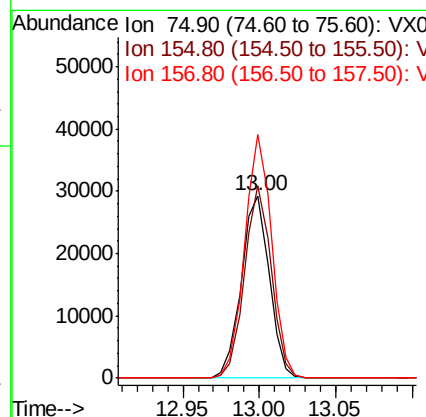
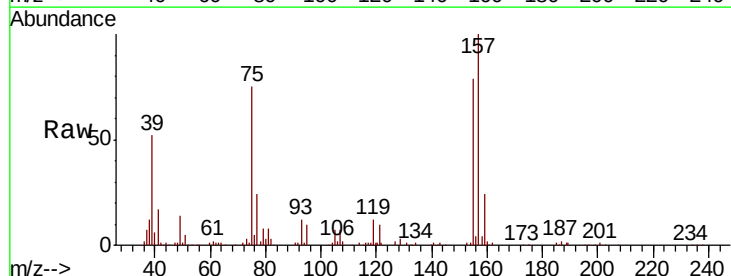
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

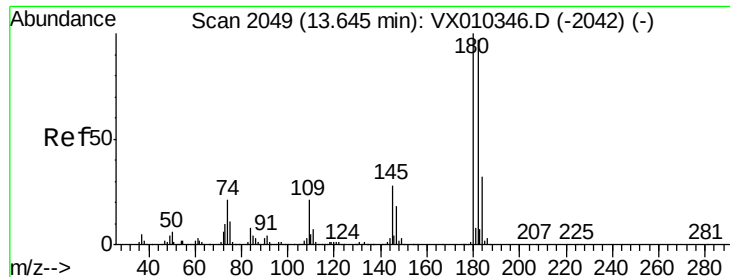
Tot Ion:146 Resp: 258410
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.2 57.6
 148 64.1 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.354 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

Tgt Ion: 75 Resp: 37119
 Ion Ratio Lower Upper
 75 100
 155 100.5 54.4 163.1
 157 128.5 69.5 208.3

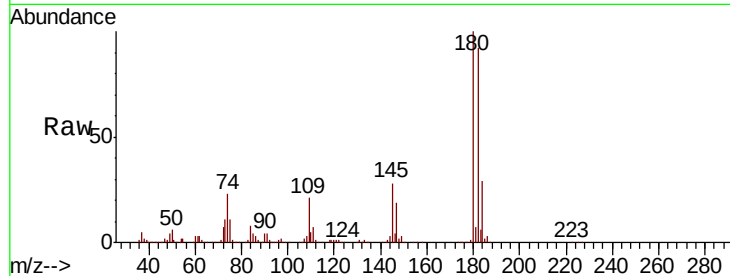




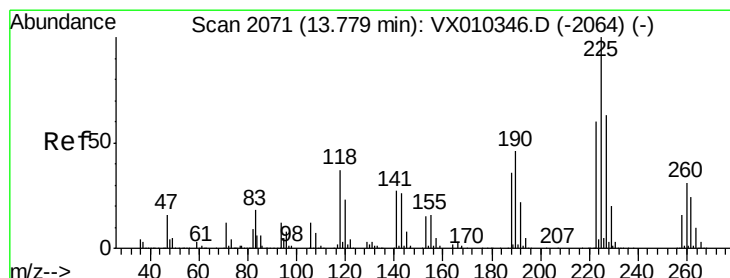
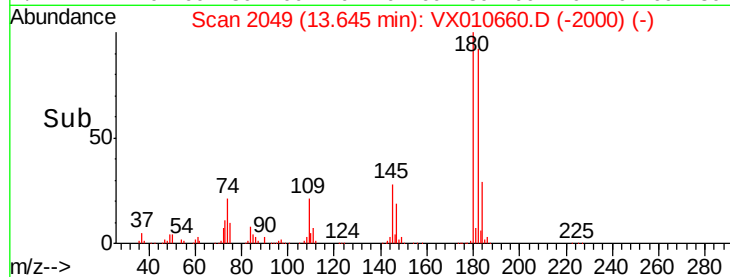
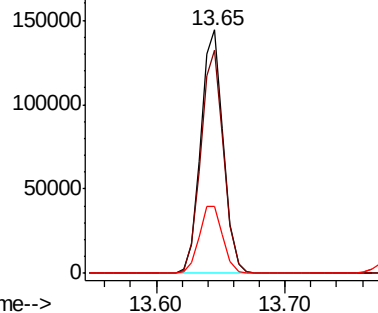
#93
 1,2,4-Trichlorobenzene
 Concen: 50.904 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 176548
 Ion Ratio Lower Upper
 180 100
 182 92.8 48.0 144.0
 145 28.9 14.4 43.4

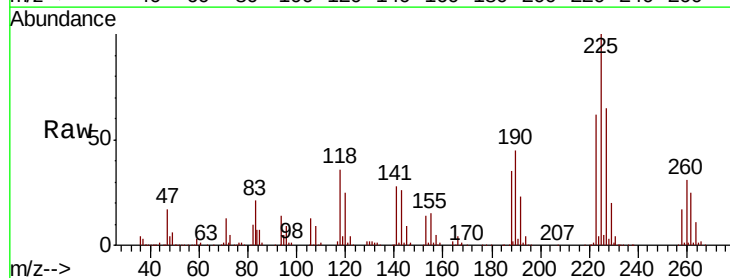


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

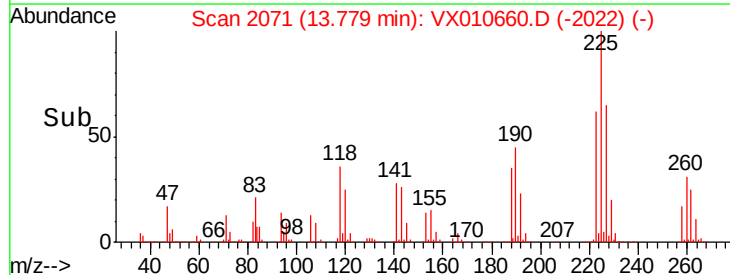
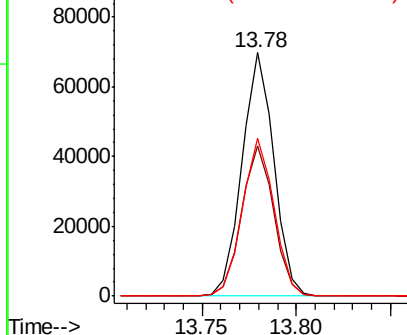


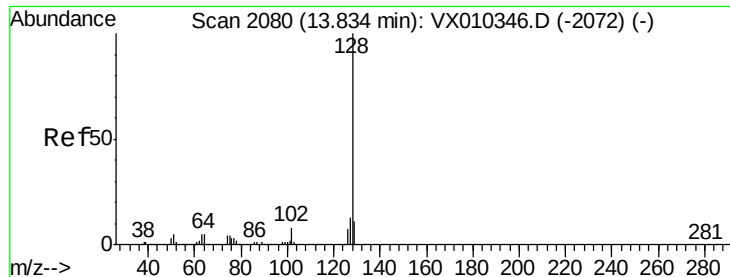
#94
 Hexachlorobutadiene
 Concen: 48.187 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010660.D
 Acq: 03 Jul 2019 23:02

Tgt Ion:225 Resp: 81681
 Ion Ratio Lower Upper
 225 100
 223 62.3 30.9 92.7
 227 64.7 31.9 95.5



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: 52.079 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

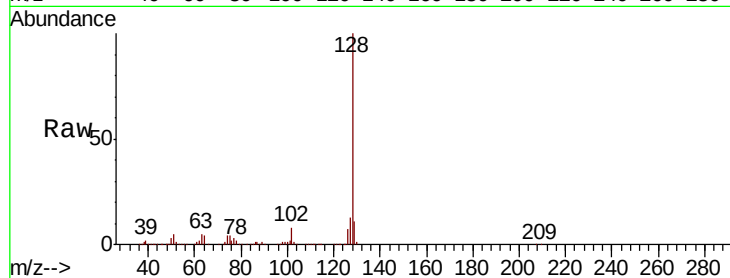
Tot Ion:128 Resp: 555074

Ion Ratio Lower Upper

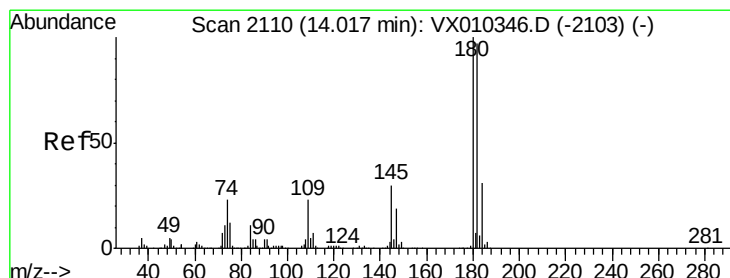
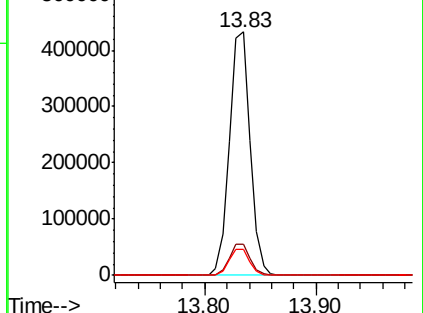
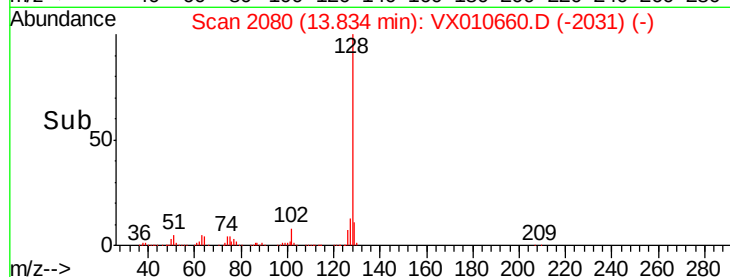
128 100

127 12.8 10.2 15.4

129 10.9 8.9 13.3



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: 51.245 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX010660.D

Acq: 03 Jul 2019 23:02

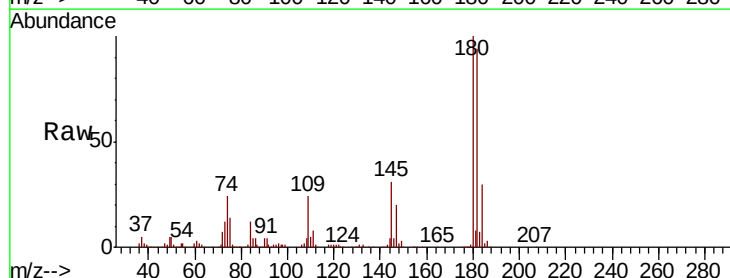
Tgt Ion:180 Resp: 176710

Ion Ratio Lower Upper

180 100

182 95.0 47.8 143.3

145 31.2 15.2 45.6



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

