

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061819\
 Data File : VX010341.D
 Acq On : 18 Jun 2019 16:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 19 01:17:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	284374	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.85	114	412302	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	378915	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	205044	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	130022	46.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.68%	
35) Dibromofluoromethane	5.49	113	130931	51.48	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	102.96%	
50) Toluene-d8	8.71	98	488701	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
62) 4-Bromofluorobenzene	11.13	95	184944	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	128129	48.967	ug/l	97
3) Chloromethane	1.32	50	119098	45.831	ug/l	99
4) Vinyl Chloride	1.41	62	127509	52.208	ug/l	99
5) Bromomethane	1.64	94	57280	62.150	ug/l	100
6) Chloroethane	1.71	64	78308	63.594	ug/l	100
7) Trichlorofluoromethane	1.93	101	207528	57.203	ug/l	99
8) Diethyl Ether	2.18	74	75817	60.633	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	2.38	101	121339	48.520	ug/l	94
10) Methyl Iodide	2.51	142	175866	45.389	ug/l	98
11) Tert butyl alcohol	3.04	59	161042	236.827	ug/l	99
12) 1,1-Dichloroethene	2.37	96	114648	44.884	ug/l	84
13) Acrolein	2.29	56	28247	227.815	ug/l	98
14) Allyl chloride	2.73	41	182127	47.236	ug/l #	86
15) Acrylonitrile	3.14	53	347429	249.967	ug/l	98
16) Acetone	2.44	43	341479	261.554	ug/l	91
17) Carbon Disulfide	2.57	76	290278	39.331	ug/l	98
18) Methyl Acetate	2.77	43	152830	53.228	ug/l #	82
19) Methyl tert-butyl Ether	3.19	73	405307	49.391	ug/l	94
20) Methylene Chloride	2.85	84	139951	48.810	ug/l #	79
21) trans-1,2-Dichloroethene	3.16	96	130597	46.201	ug/l #	79
22) Diisopropyl ether	3.85	45	382023	51.823	ug/l #	91
23) Vinyl Acetate	3.81	43	1644000	249.985	ug/l #	88
24) 1,1-Dichloroethane	3.69	63	218660	48.854	ug/l	95
25) 2-Butanone	4.67	43	490378	252.236	ug/l #	84
26) 2,2-Dichloropropane	4.57	77	196932	48.230	ug/l	93
27) cis-1,2-Dichloroethene	4.59	96	156863	49.882	ug/l	78
28) Bromochloromethane	5.01	49	91527	45.628	ug/l #	51
29) Tetrahydrofuran	5.12	42	293919	240.563	ug/l #	76
30) Chloroform	5.20	83	233253	50.180	ug/l	100
31) Cyclohexane	5.57	56	190732	47.217	ug/l #	75
32) 1,1,1-Trichloroethane	5.49	97	209398	47.918	ug/l	93
36) 1,1-Dichloropropene	5.79	75	169216	50.306	ug/l	93
37) Ethyl Acetate	4.82	43	175218	50.064	ug/l #	92
38) Carbon Tetrachloride	5.78	117	189657	49.813	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	225956	49.331	ug/l	85
40) Benzene	6.13	78	533353	51.277	ug/l	99
41) Methacrylonitrile	5.03	41	95366	50.373	ug/l #	83
42) 1,2-Dichloroethane	6.18	62	167103	50.322	ug/l	94
43) Isopropyl Acetate	6.43	43	296413	50.653	ug/l #	90
44) Trichloroethene	7.21	130	161437	51.490	ug/l	88
45) 1,2-Dichloropropane	7.51	63	137473	52.806	ug/l	99
46) Dibromomethane	7.65	93	97087	49.778	ug/l	90
47) Bromodichloromethane	7.89	83	186336	51.128	ug/l #	99
48) Methyl methacrylate	7.76	41	140333	51.278	ug/l #	79
49) 1,4-Dioxane	7.73	88	73687	944.379	ug/l #	79
51) 4-Methyl-2-Pentanone	8.63	43	941023	269.182	ug/l	90
52) Toluene	8.78	92	350214	51.221	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	210427	49.917	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	227364	50.310	ug/l #	88
55) 1,1,2-Trichloroethane	9.21	97	151281	54.026	ug/l	96
56) Ethyl methacrylate	9.18	69	229366	51.854	ug/l #	83
57) 1,3-Dichloropropane	9.37	76	231361	52.482	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.30	63	604419	289.855	ug/l #	86
59) 2-Hexanone	9.49	43	737238	264.500	ug/l	88
60) Dibromochloromethane	9.58	129	171764	51.859	ug/l	99
61) 1,2-Dibromoethane	9.66	107	160202	51.369	ug/l	99
64) Tetrachloroethene	9.33	164	154350	54.845	ug/l	94
65) Chlorobenzene	10.13	112	408200	52.196	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	153585	51.068	ug/l	99
67) Ethyl Benzene	10.25	91	694845	52.192	ug/l	94
68) m/p-Xylenes	10.35	106	540122	104.841	ug/l	91
69) o-Xylene	10.69	106	265592	51.862	ug/l	90
70) Styrene	10.71	104	461343	53.190	ug/l	95
71) Bromoform	10.85	173	140933	50.974	ug/l #	98
73) Isopropylbenzene	11.01	105	721745	50.424	ug/l	97
74) N-amyl acetate	10.90	43	273511	48.340	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.26	83	231613	47.272	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	265702	64.785	ug/l	81
77) Bromobenzene	11.25	156	196481	49.917	ug/l	81
78) n-propylbenzene	11.36	91	807214	50.657	ug/l	95
79) 2-Chlorotoluene	11.41	91	470208	49.131	ug/l	91
80) 1,3,5-Trimethylbenzene	11.51	105	601851	49.922	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	84807	45.687	ug/l	87
82) 4-Chlorotoluene	11.51	91	546558	50.273	ug/l	92
83) tert-Butylbenzene	11.77	119	609676	49.965	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	615090	50.511	ug/l	97
85) sec-Butylbenzene	11.94	105	740904	52.118	ug/l	96
86) p-Isopropyltoluene	12.06	119	678497	52.208	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	354788	51.173	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	358335	51.271	ug/l	97
89) n-Butylbenzene	12.38	91	606037	54.174	ug/l	97
90) Hexachloroethane	12.59	117	124861	48.230	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	351272	52.115	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	51053	44.280	ug/l	72

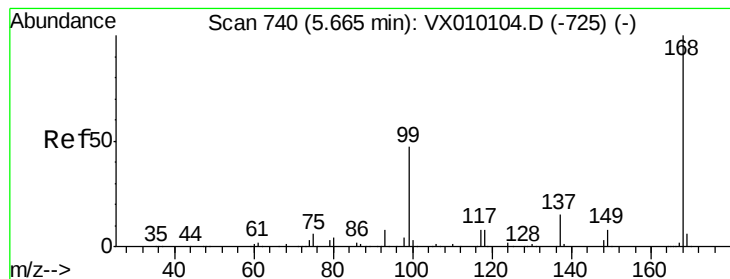
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	259007	52.496	ug/l	99
94) Hexachlorobutadiene	13.78	225	123445	56.259	ug/l	99
95) Naphthalene	13.83	128	773463	49.800	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	252536	51.767	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

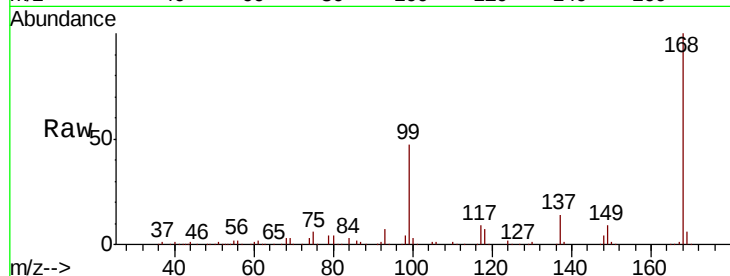
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 284374

Ion Ratio Lower Upper

168 100

99 46.8 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

120000

100000

80000

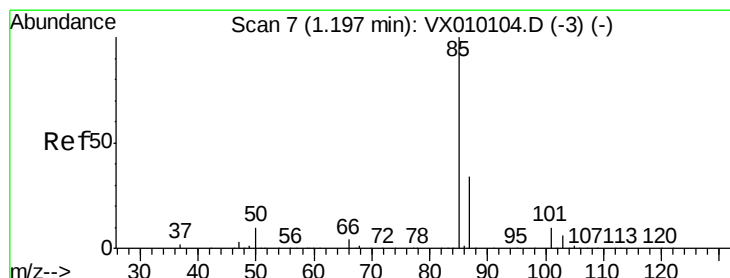
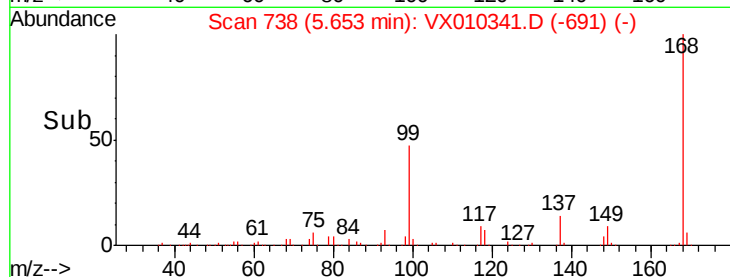
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.967 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX010341.D

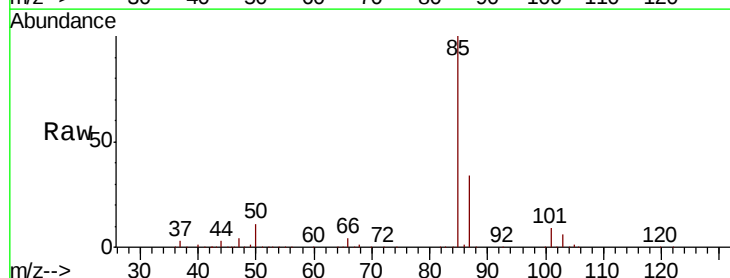
Acq: 18 Jun 2019 16:42

Tgt Ion: 85 Resp: 128129

Ion Ratio Lower Upper

85 100

87 33.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

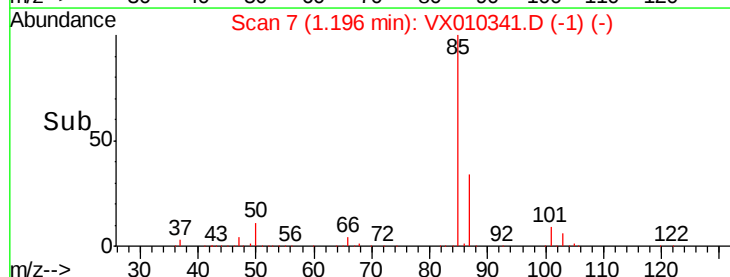
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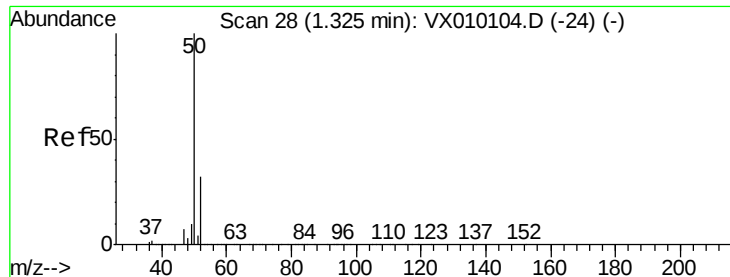
100000

50000

0

Time-->





#3

Chloromethane

Concen: 45.831 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

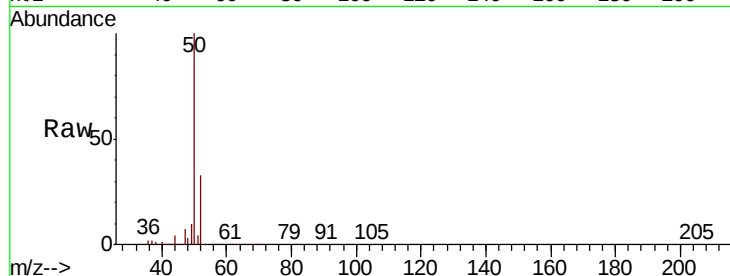
ClientSampleId :

Tot Ion: 50 Resp: 119098

Ion Ratio Lower Upper

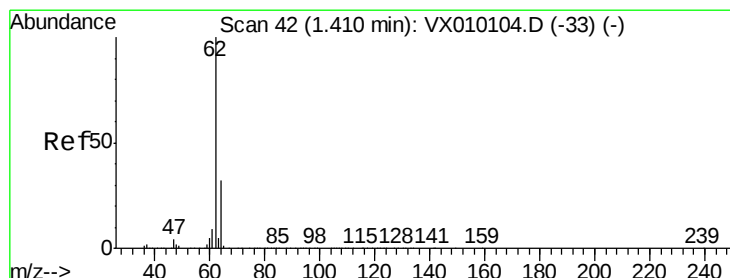
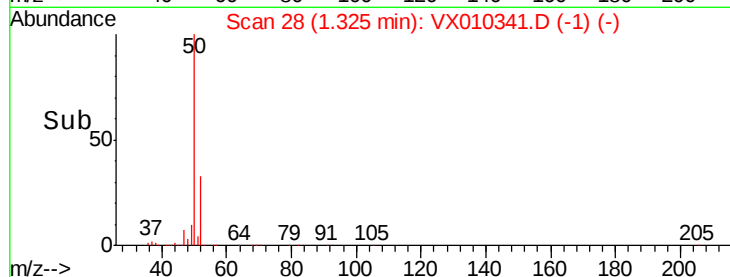
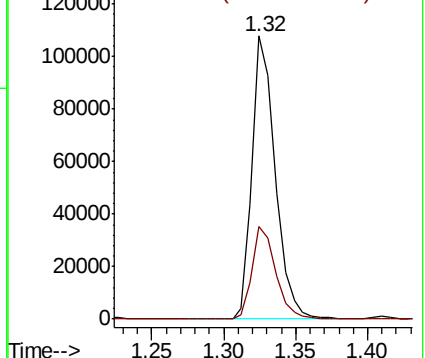
50 100

52 32.8 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 52.208 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010341.D

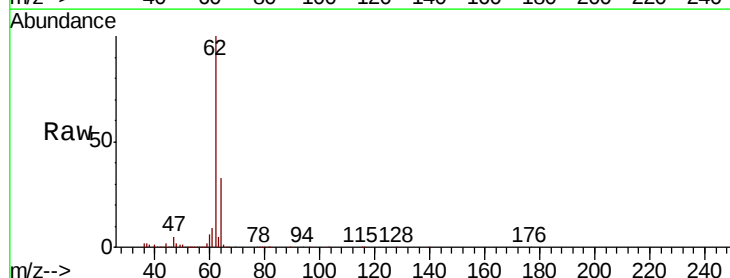
Acq: 18 Jun 2019 16:42

Tgt Ion: 62 Resp: 127509

Ion Ratio Lower Upper

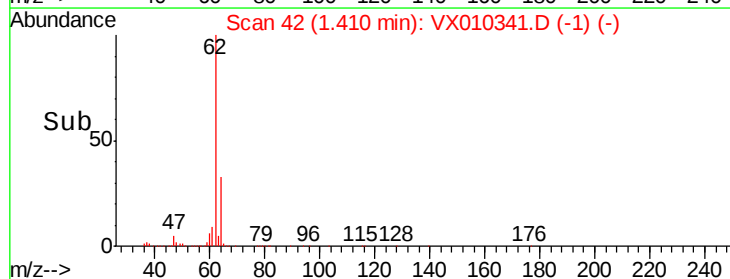
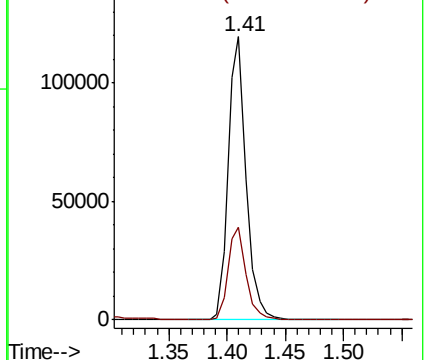
62 100

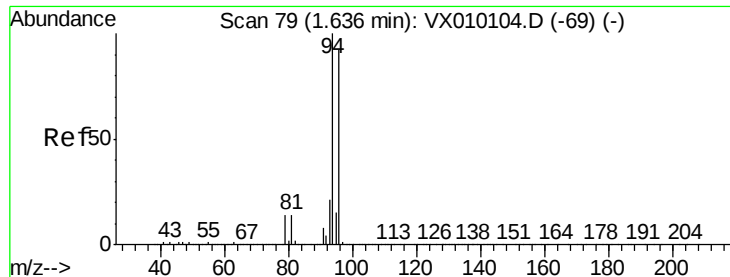
64 32.7 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 62.150 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

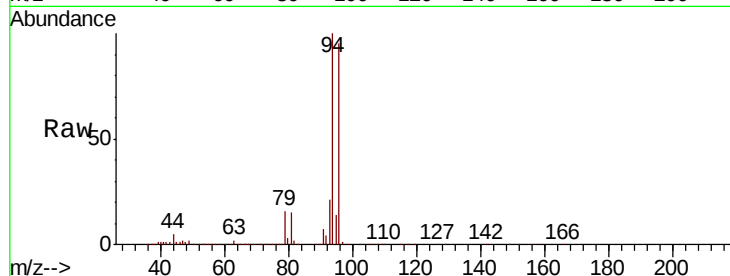
ClientSampleId :

Tot Ion: 94 Resp: 57280

Ion Ratio Lower Upper

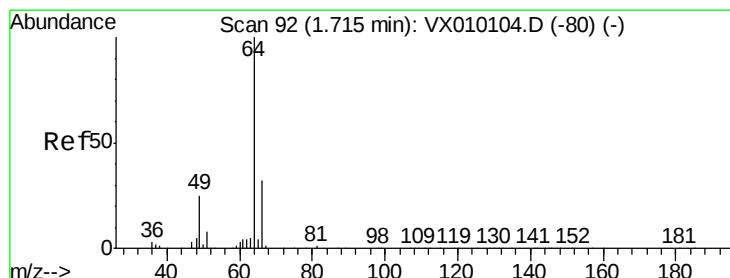
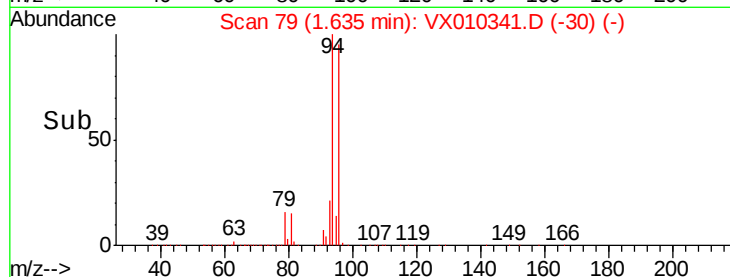
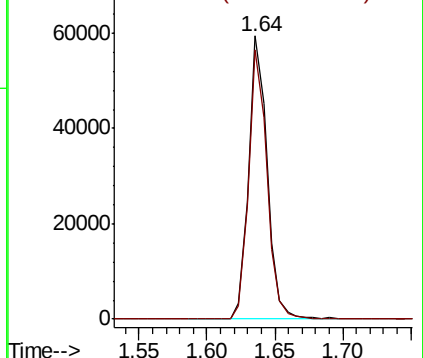
94 100

96 95.0 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 63.594 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010341.D

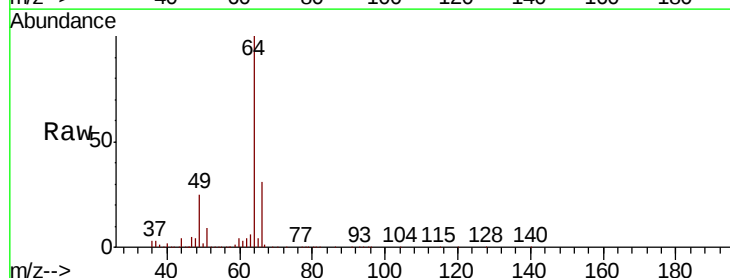
Acq: 18 Jun 2019 16:42

Tgt Ion: 64 Resp: 78308

Ion Ratio Lower Upper

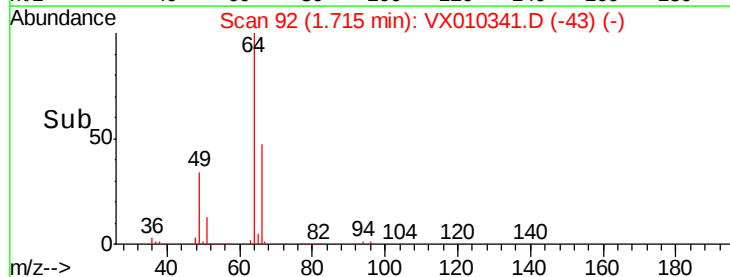
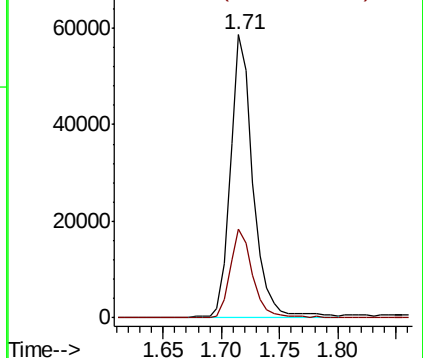
64 100

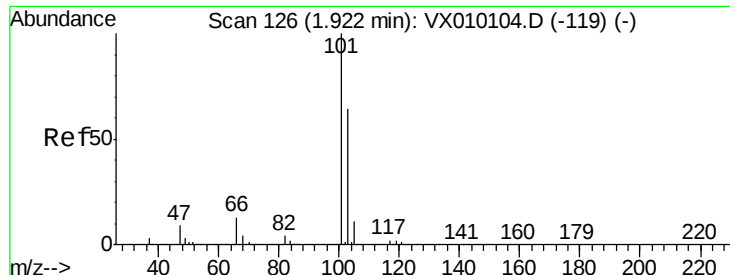
66 31.5 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



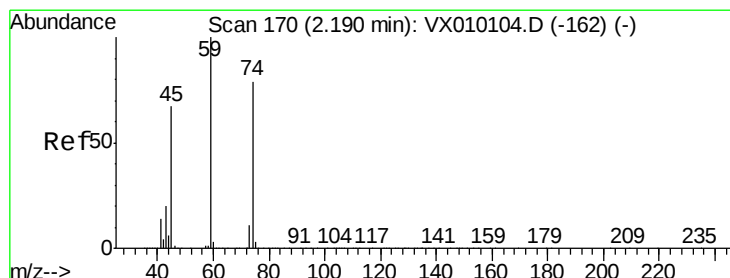
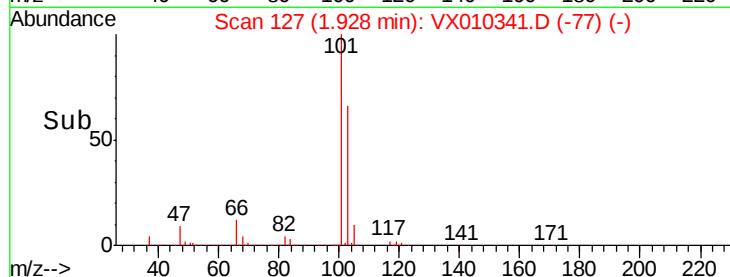
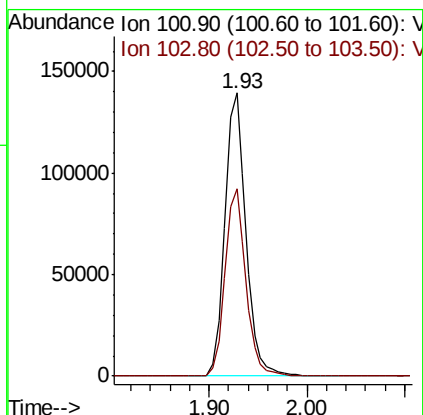
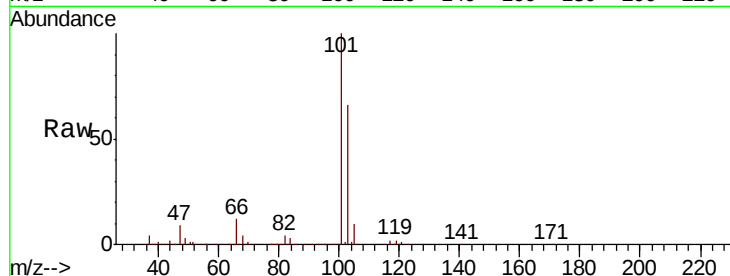


#7

Trichlorofluoromethane
Concen: 57.203 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Instrument :
MSVOA_X
ClientSampleId :

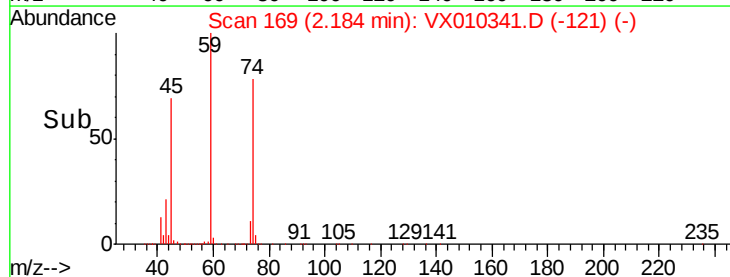
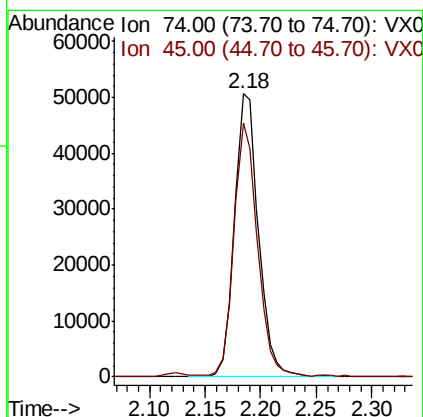
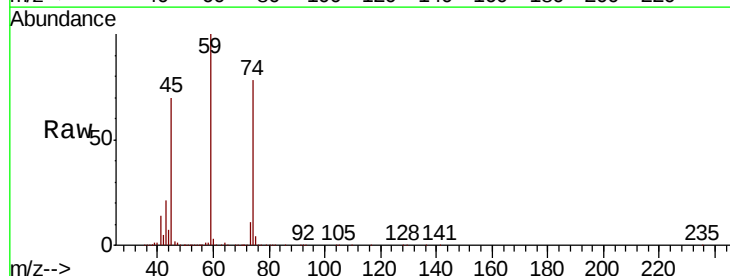
Tot Ion:101 Resp: 207528
Ion Ratio Lower Upper
101 100
103 66.2 52.2 78.4

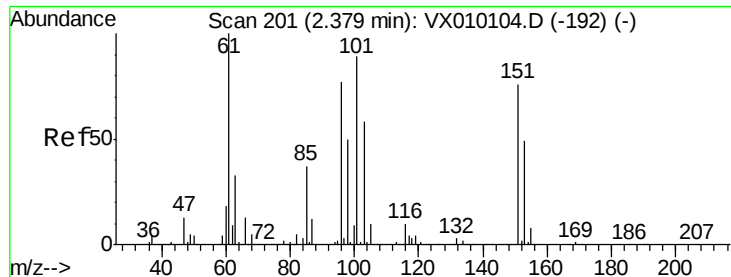


#8

Diethyl Ether
Concen: 60.633 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Tgt Ion: 74 Resp: 75817
Ion Ratio Lower Upper
74 100
45 86.7 56.1 168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.520 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

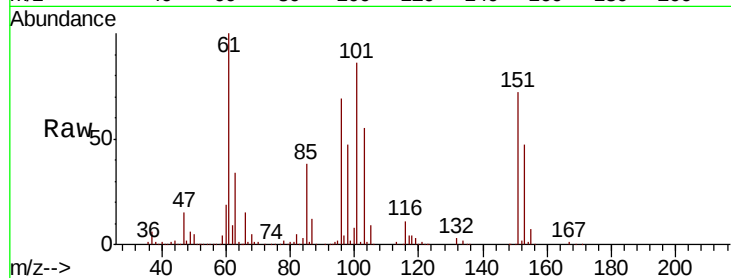
Tot Ion:101 Resp: 121339

Ion Ratio Lower Upper

101 100

85 44.4 35.2 52.8

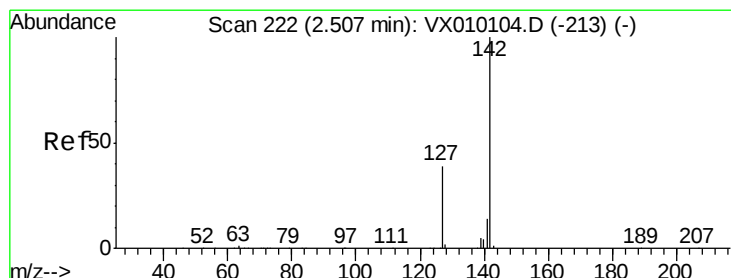
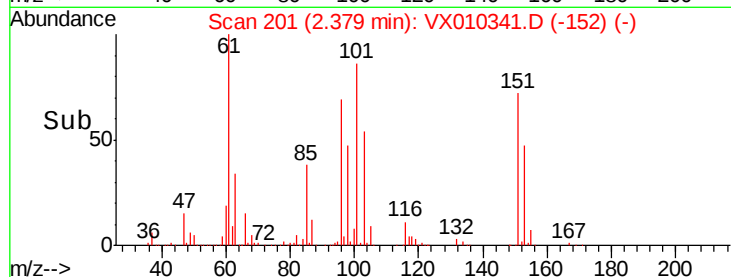
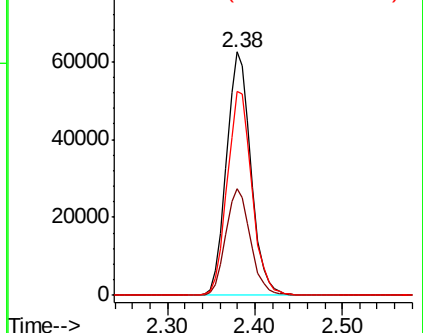
151 84.9 61.9 92.9



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: 45.389 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

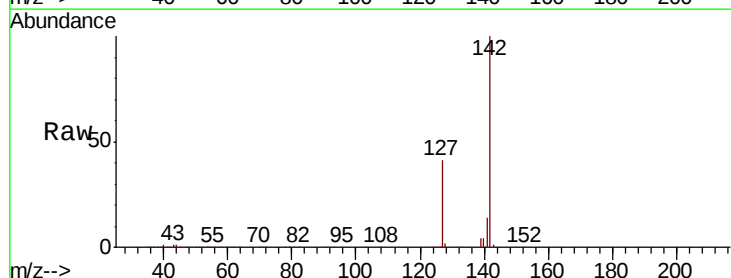
Tgt Ion:142 Resp: 175866

Ion Ratio Lower Upper

142 100

127 39.5 33.0 49.4

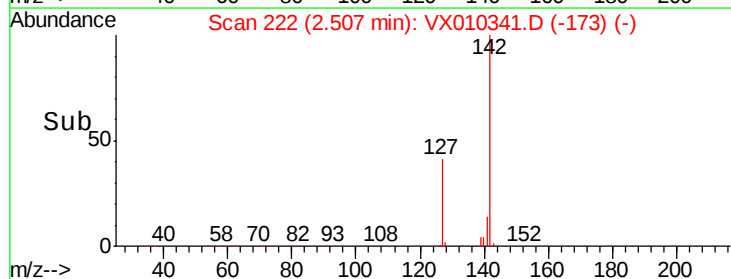
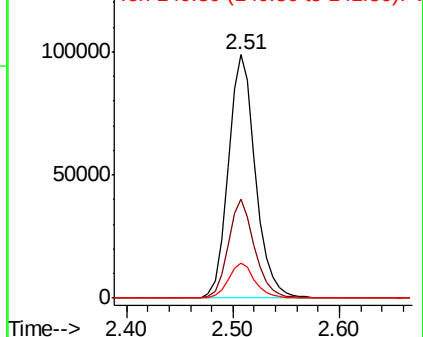
141 14.2 11.4 17.0

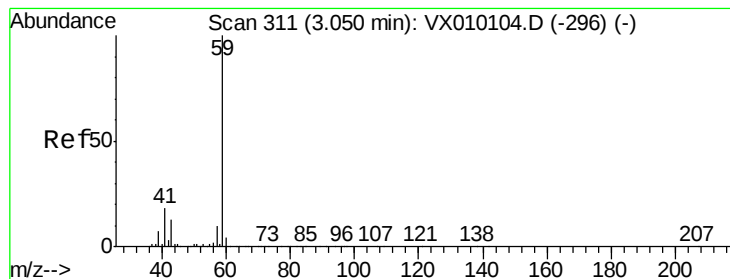


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



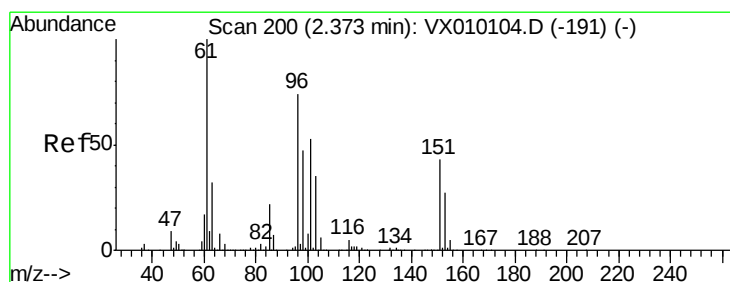
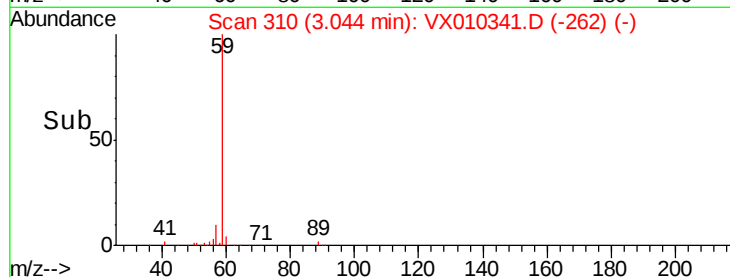
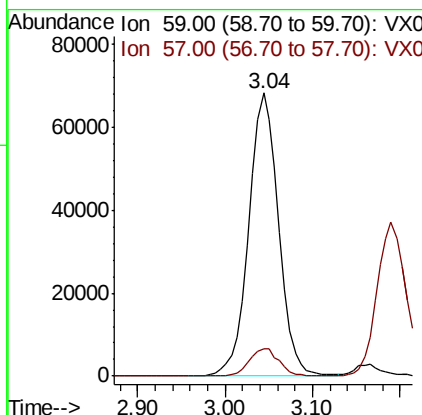
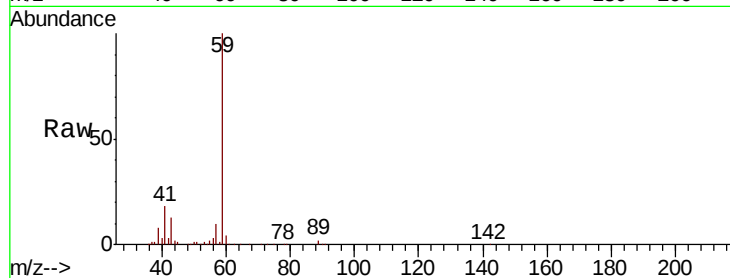


#11

Tert butyl alcohol
Concen: 236.827 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Instrument :
MSVOA_X
ClientSampleId :

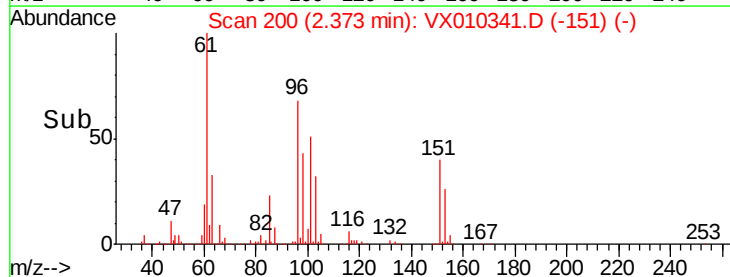
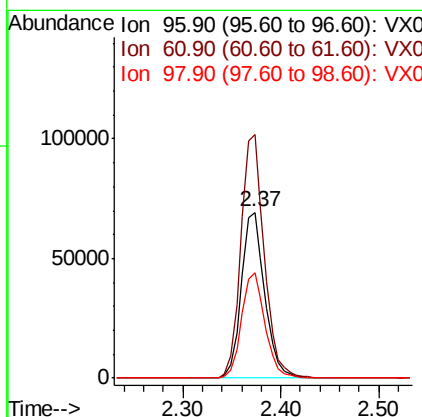
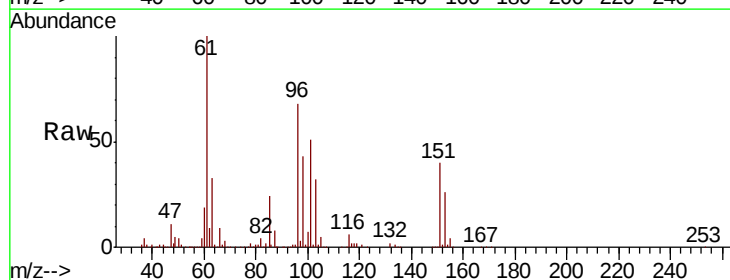
Tot Ion: 59 Resp: 161042
Ion Ratio Lower Upper
59 100
57 9.8 8.2 12.2

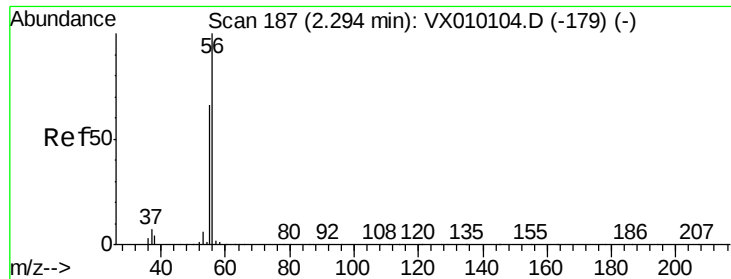


#12

1,1-Dichloroethene
Concen: 44.884 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Tgt Ion: 96 Resp: 114648
Ion Ratio Lower Upper
96 100
61 146.9 140.7 211.1
98 63.4 50.1 75.1





#13

Acrolein

Concen: 227.815 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

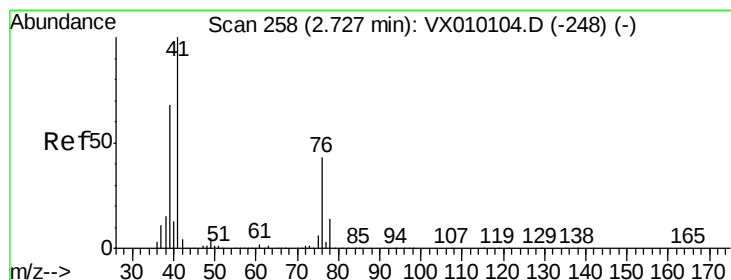
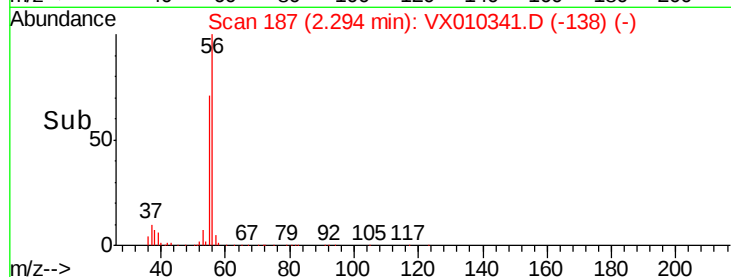
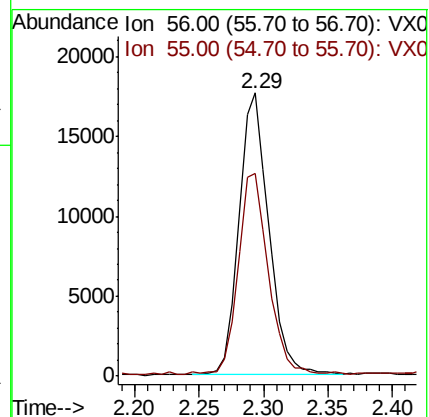
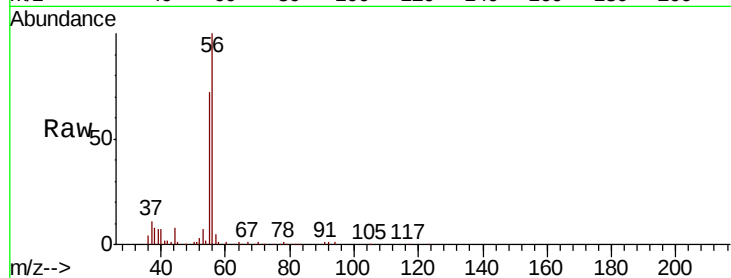
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 28247

Ion Ratio Lower Upper

56 100

55 72.6 57.0 85.4



#14

Allyl chloride

Concen: 47.236 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

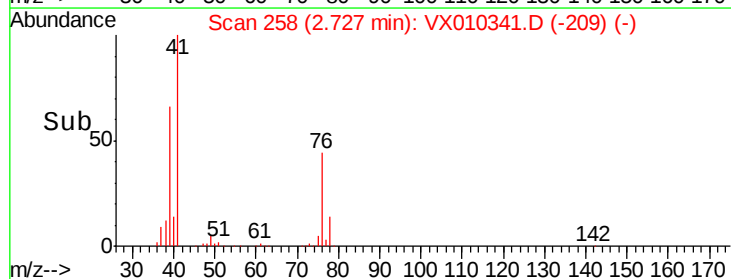
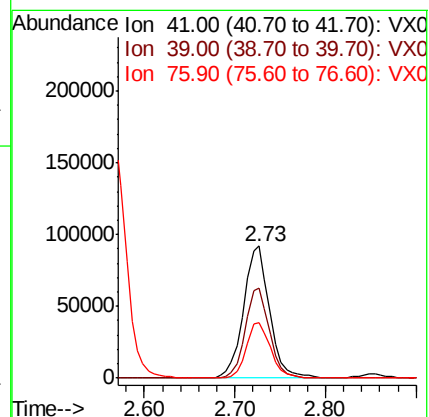
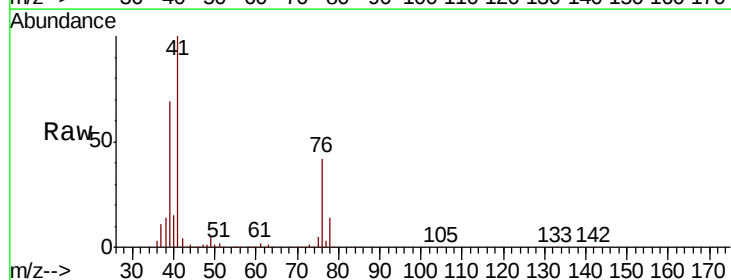
Tgt Ion: 41 Resp: 182127

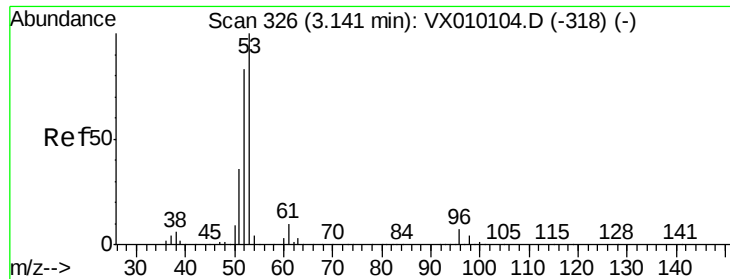
Ion Ratio Lower Upper

41 100

39 64.1 46.7 70.1

76 39.8 21.0 31.4#





#15

Acrylonitrile

Concen: 249.967 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

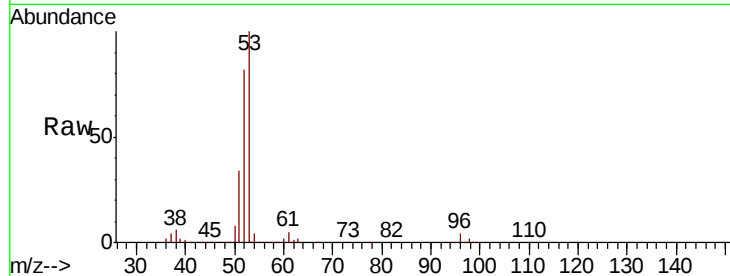
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 53 Resp: 347429

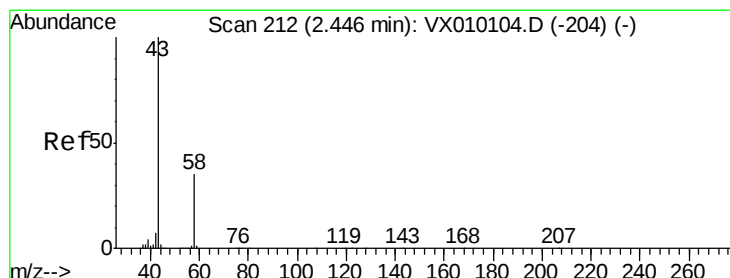
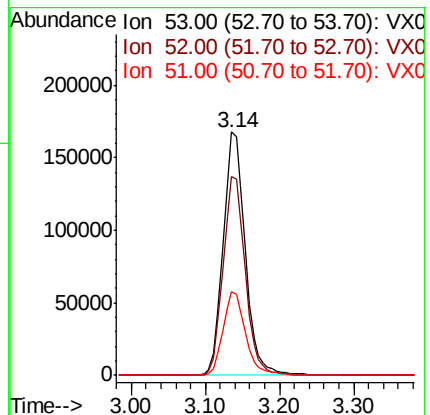
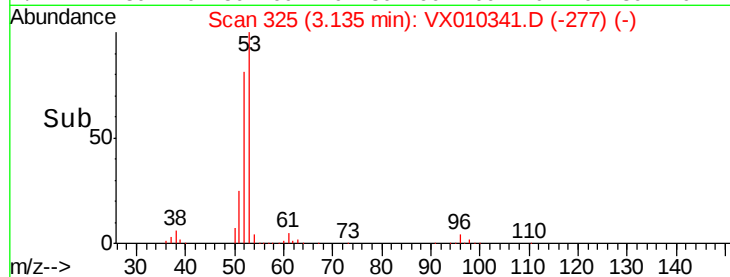
Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.7	100.1
51	34.8	28.8	43.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 261.554 ug/l

RT: 2.44 min Scan# 211

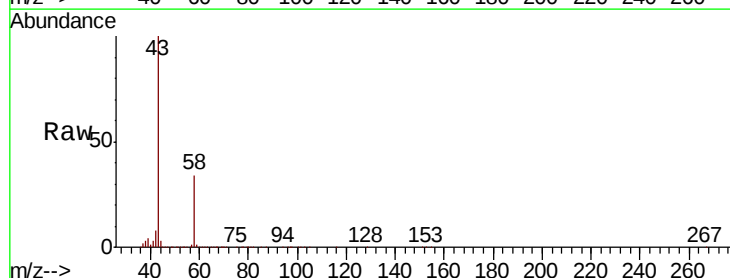
Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

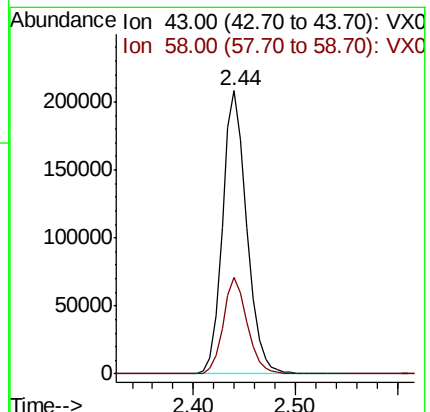
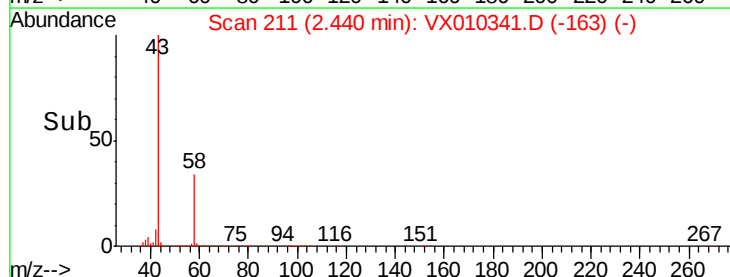
Tgt Ion: 43 Resp: 341479

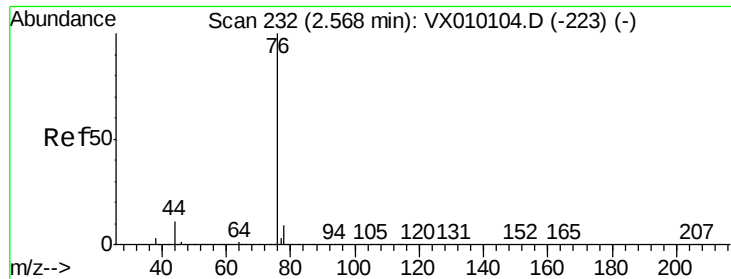
Ion	Ratio	Lower	Upper
43	100		
58	34.0	23.2	34.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

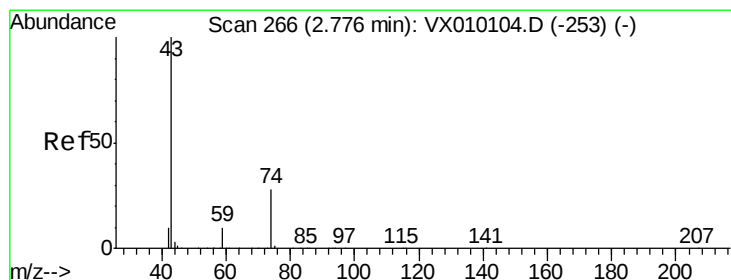
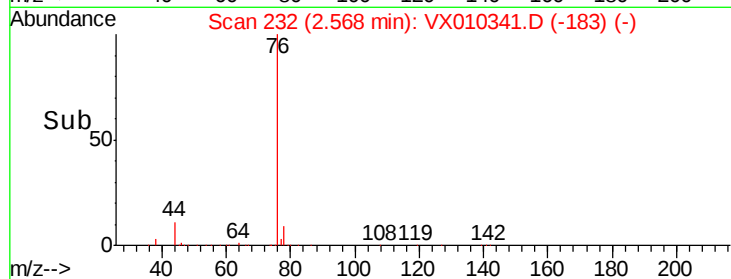
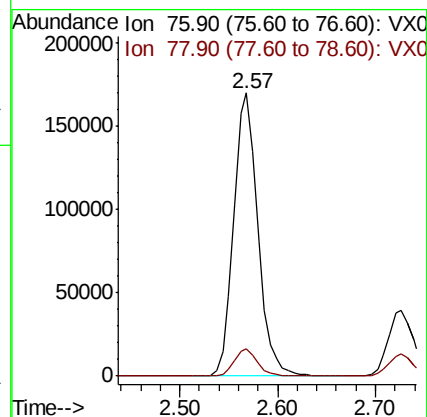
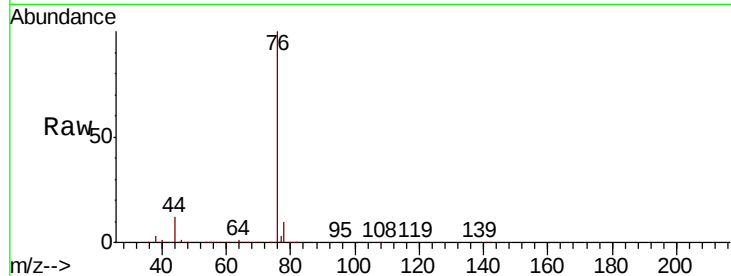




#17
Carbon Disulfide
Concen: 39.331 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

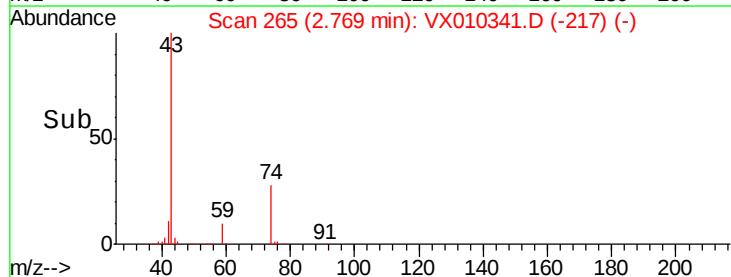
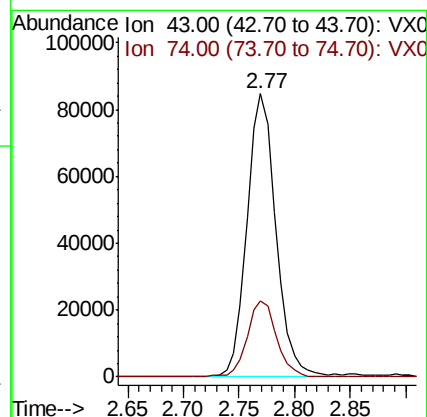
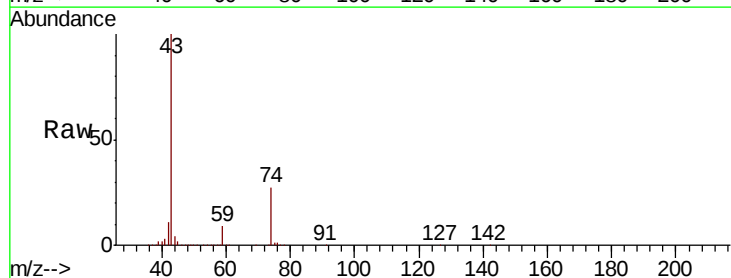
Instrument :
MSVOA_X
ClientSampleId :

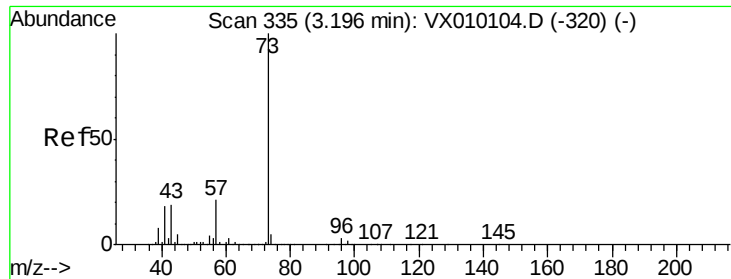
Tot Ion: 76 Resp: 290278
Ion Ratio Lower Upper
76 100
78 9.5 7.0 10.6



#18
Methyl Acetate
Concen: 53.228 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Tgt Ion: 43 Resp: 152830
Ion Ratio Lower Upper
43 100
74 27.7 15.8 23.6#



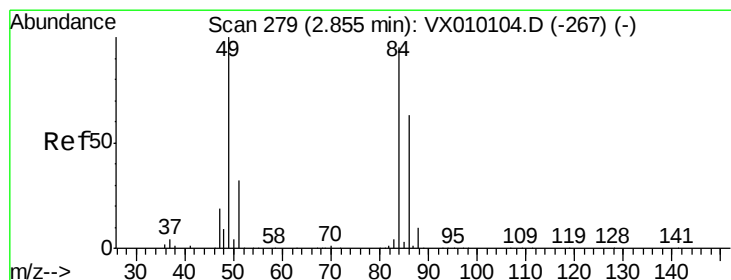
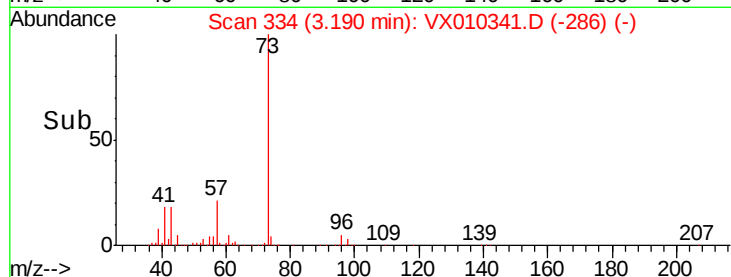
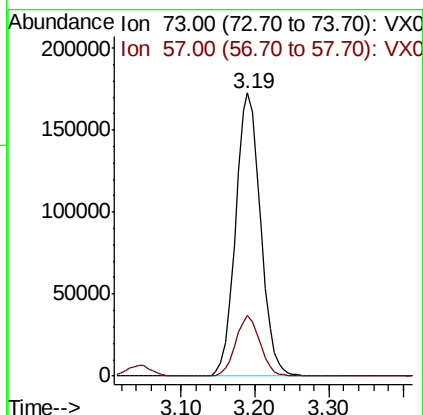
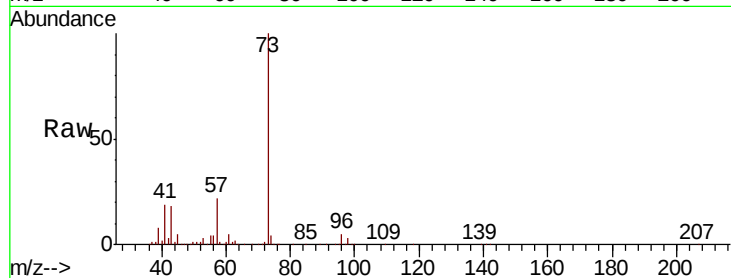


#19

Methyl tert-butyl Ether
 Concen: 49.391 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VX010341.D
 Acq: 18 Jun 2019 16:42

Instrument :
 MSVOA_X
 ClientSampleId :

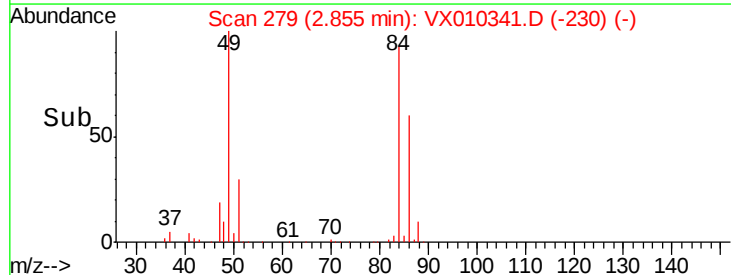
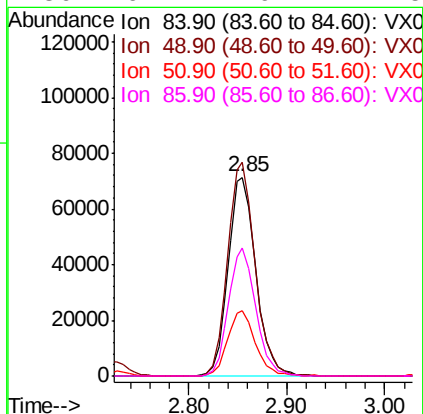
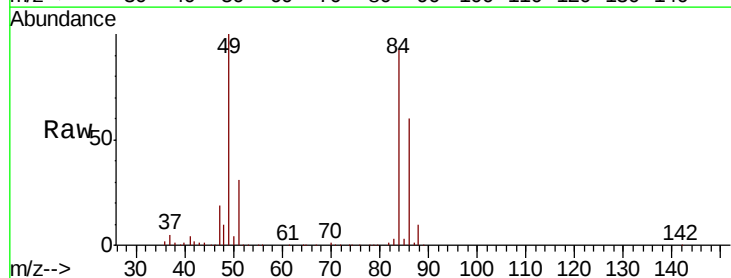
Tot Ion: 73 Resp: 405307
 Ion Ratio Lower Upper
 73 100
 57 21.6 19.4 29.2

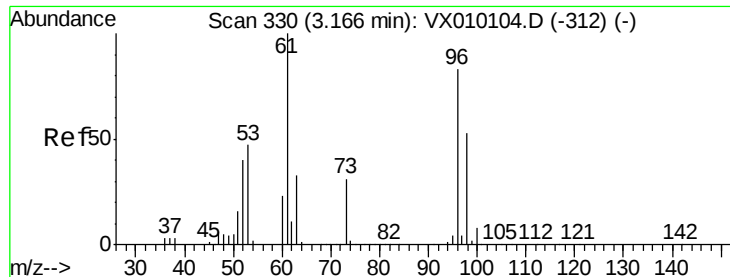


#20

Methylene Chloride
 Concen: 48.810 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX010341.D
 Acq: 18 Jun 2019 16:42

Tgt Ion: 84 Resp: 139951
 Ion Ratio Lower Upper
 84 100
 49 107.4 115.8 173.6#
 51 32.8 34.4 51.6#
 86 64.2 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 46.201 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

ClientSampled :

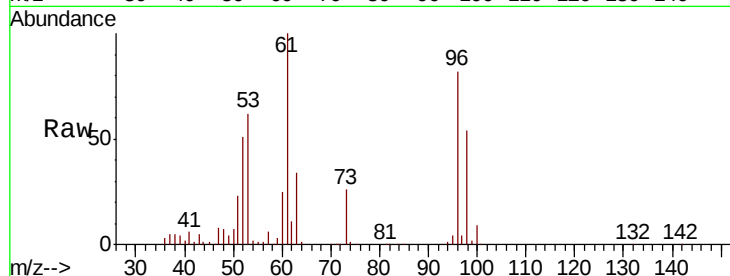
Tot Ion: 96 Resp: 130597

Ion Ratio Lower Upper

96 100

61 122.3 125.7 188.5#

98 66.3 49.0 73.6

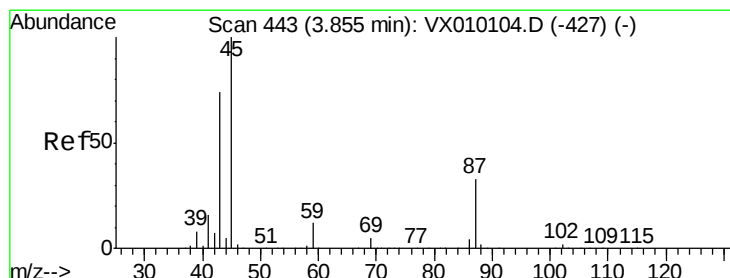
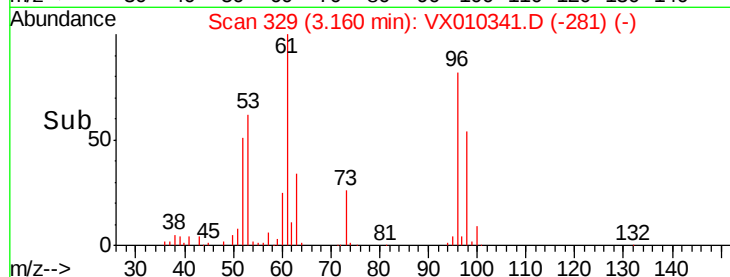
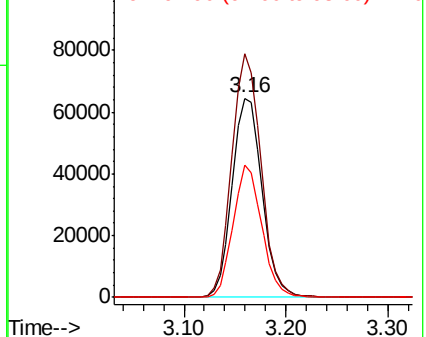


Abundance

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: 51.823 ug/l

RT: 3.85 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Tgt Ion: 45 Resp: 382023

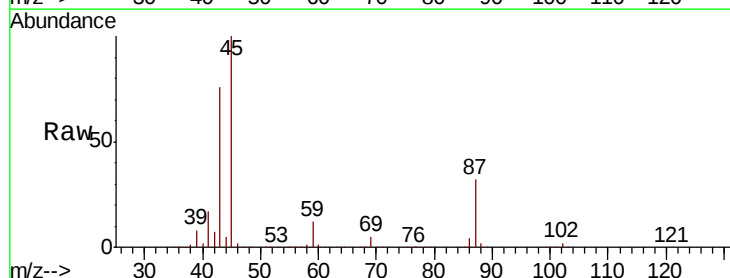
Ion Ratio Lower Upper

45 100

43 76.0 65.0 97.4

87 32.3 17.3 25.9#

59 12.0 8.1 12.1



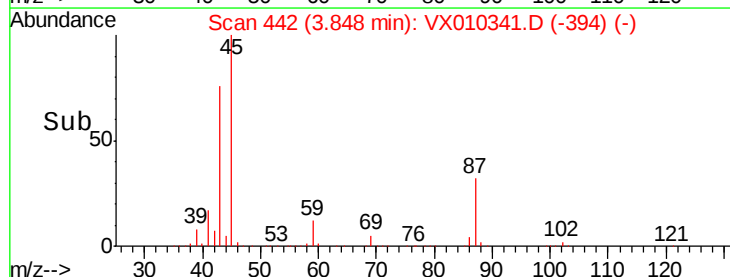
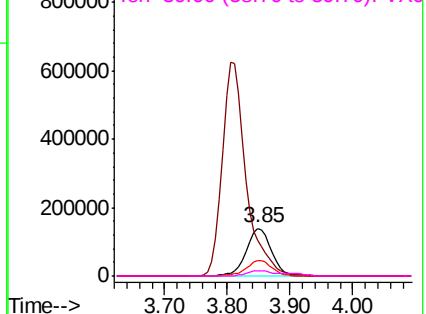
Abundance

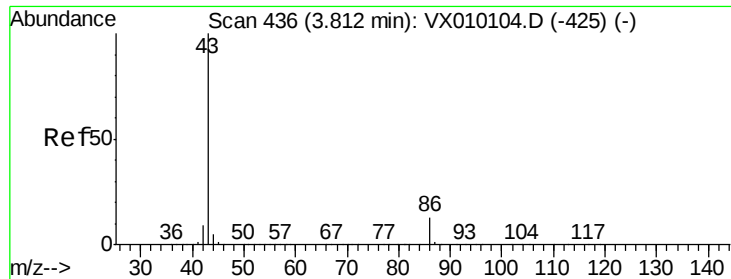
Ion 45.00 (44.70 to 45.70): VX0

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: 249.985 ug/l

RT: 3.81 min Scan# 435

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

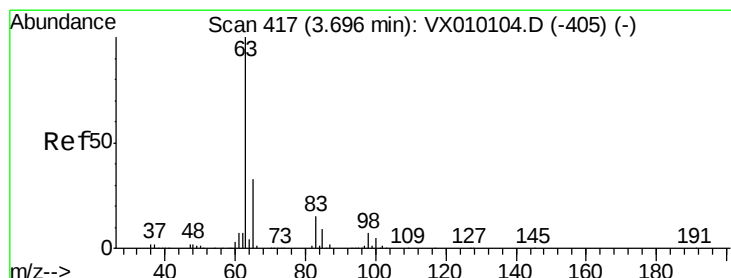
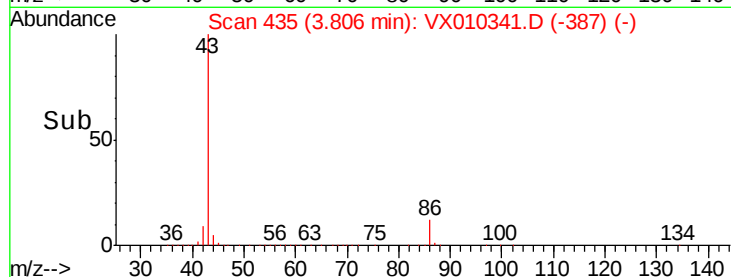
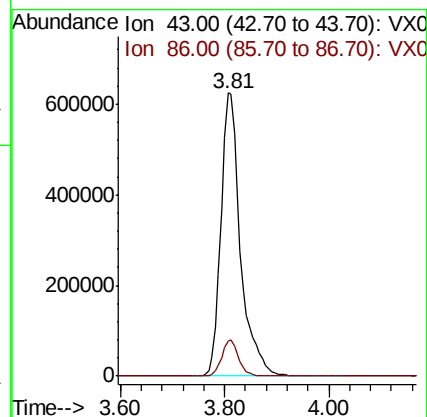
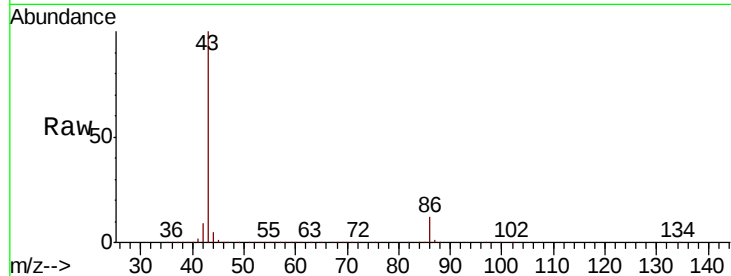
ClientSampled :

Tot Ion: 43 Resp: 1644000

Ion Ratio Lower Upper

43 100

86 12.4 6.5 9.7#



#24

1,1-Dichloroethane

Concen: 48.854 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

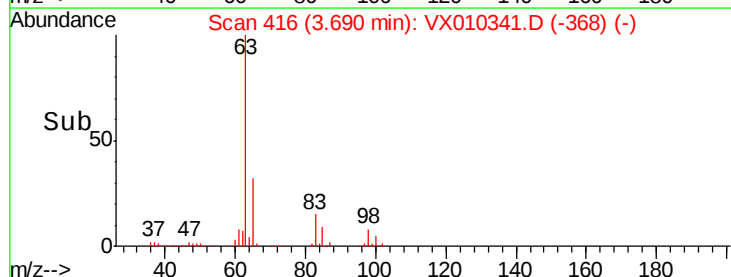
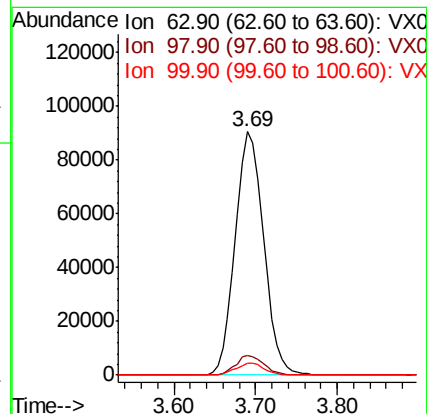
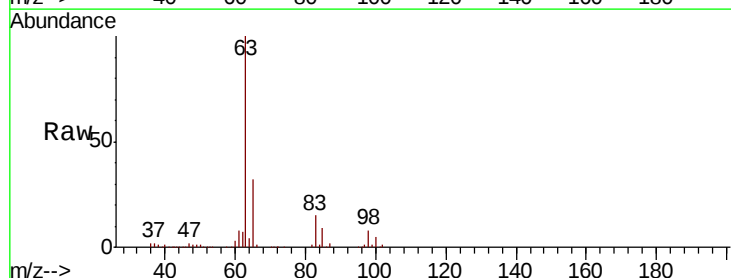
Tgt Ion: 63 Resp: 218660

Ion Ratio Lower Upper

63 100

98 7.8 2.9 8.8

100 5.0 1.8 5.4





#25

2-Butanone

Concen: 252.236 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

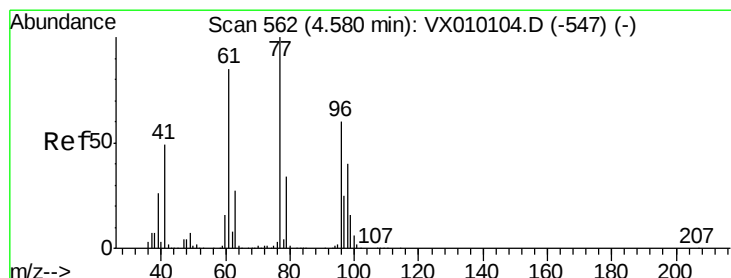
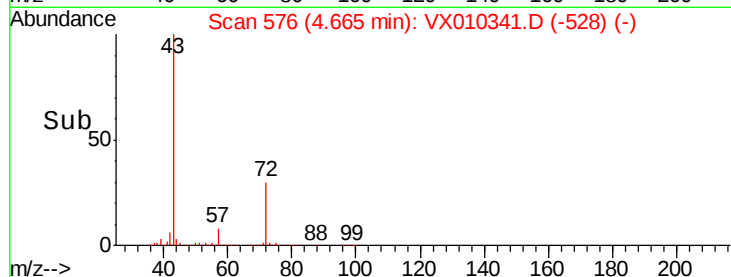
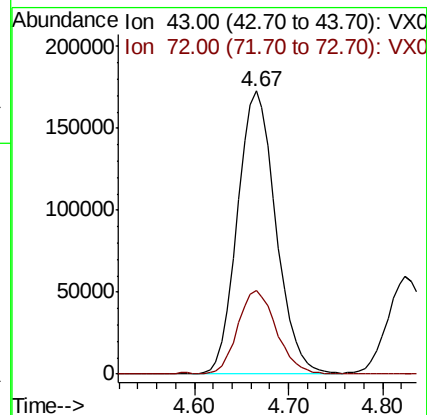
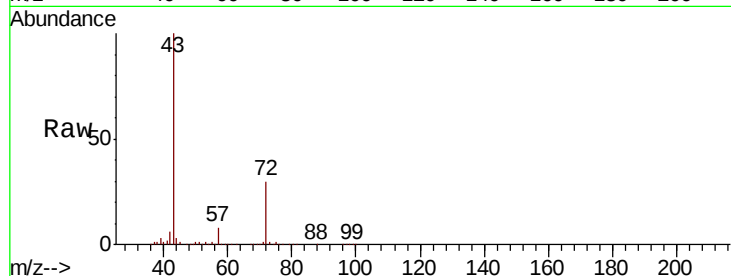
ClientSampleId :

Tot Ion: 43 Resp: 490378

Ion Ratio Lower Upper

43 100

72 29.5 17.5 26.3#



#26

2,2-Dichloropropane

Concen: 48.230 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX010341.D

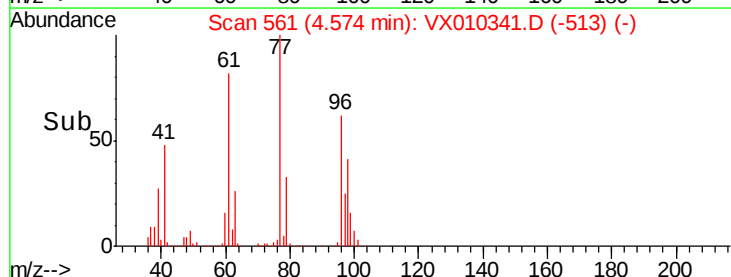
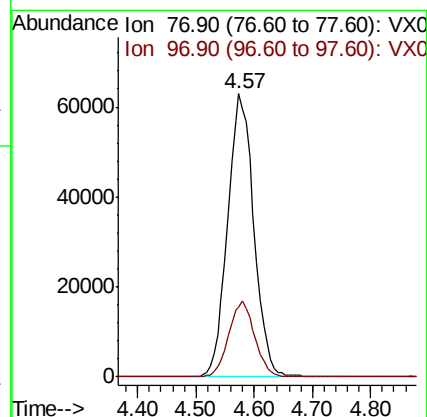
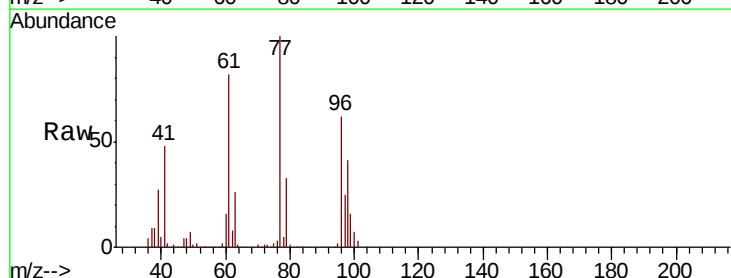
Acq: 18 Jun 2019 16:42

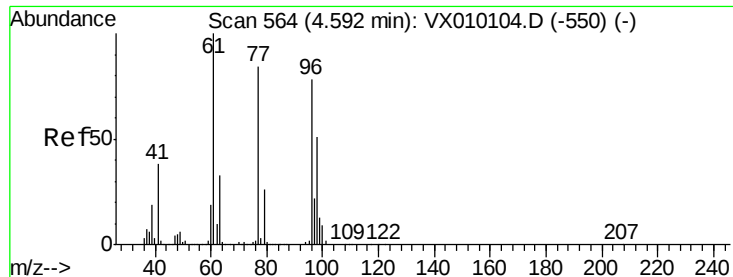
Tgt Ion: 77 Resp: 196932

Ion Ratio Lower Upper

77 100

97 26.4 11.4 34.2



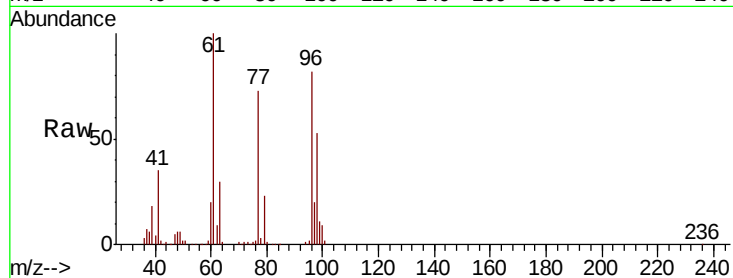


#27

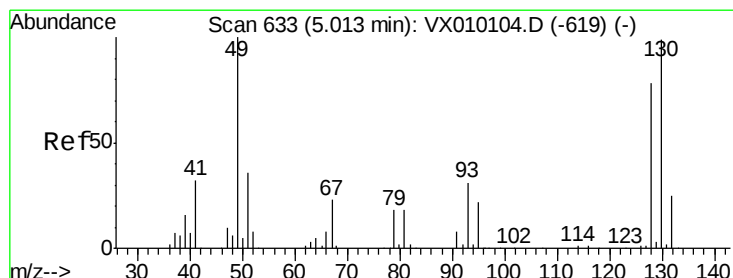
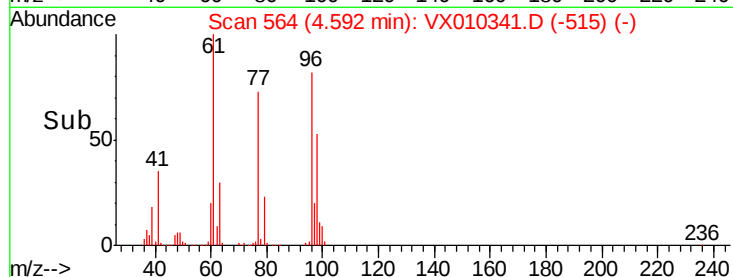
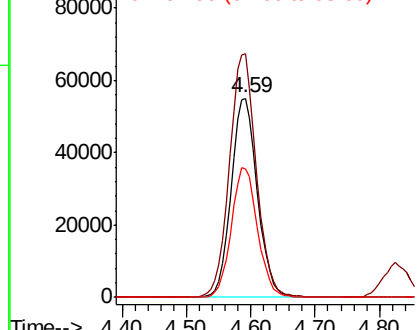
cis-1,2-Dichloroethene
Concen: 49.882 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 96 Resp: 156863
Ion Ratio Lower Upper
96 100
61 125.9 0.0 334.0
98 65.2 0.0 131.6



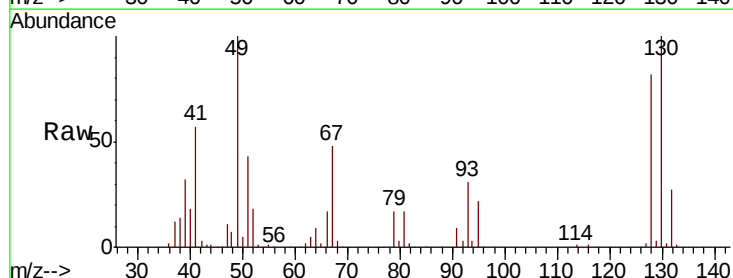
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



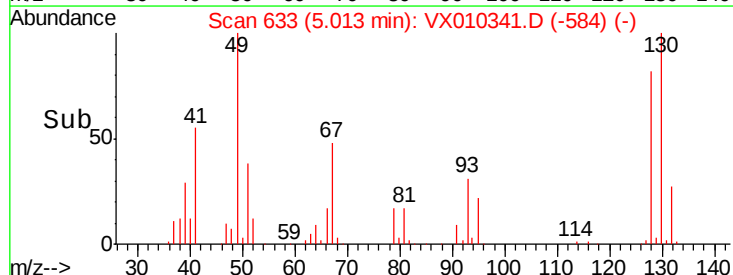
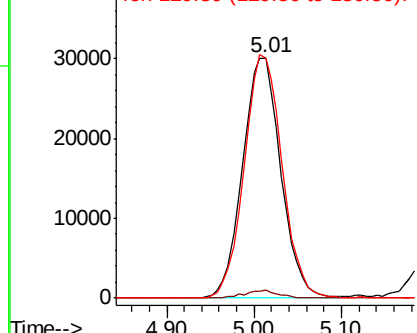
#28

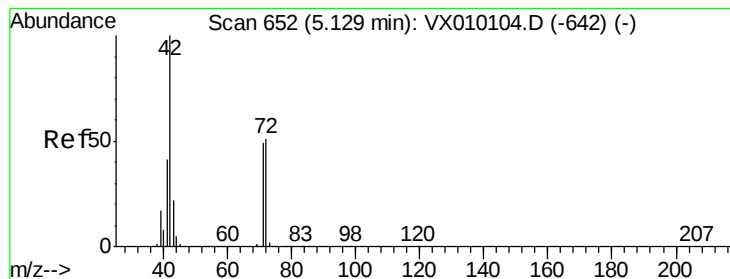
Bromochloromethane
Concen: 45.628 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.00 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Tgt Ion: 49 Resp: 91527
Ion Ratio Lower Upper
49 100
129 2.8 0.0 3.4
130 100.3 49.4 74.2#



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: 240.563 ug/l

RT: 5.12 min Scan# 651

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

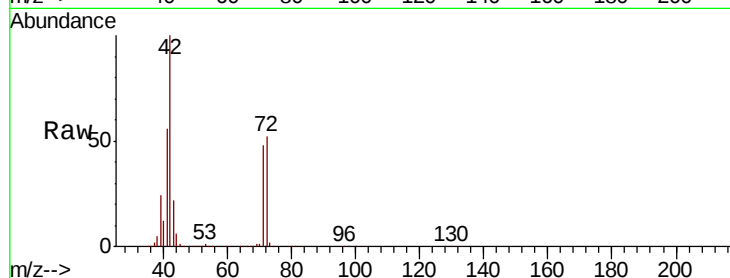
Tot Ion: 42 Resp: 293919

Ion Ratio Lower Upper

42 100

72 51.4 29.2 43.8#

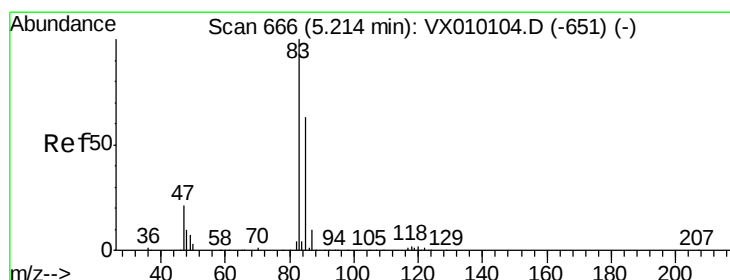
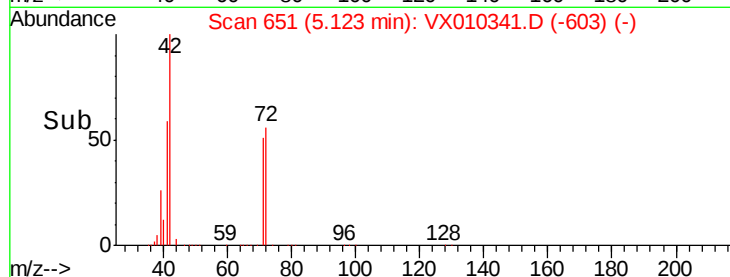
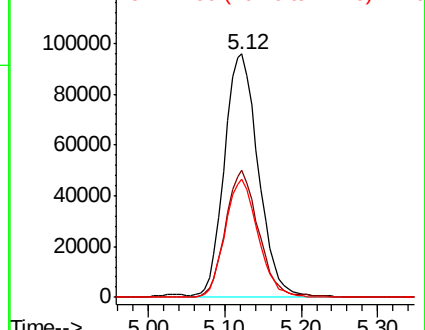
71 47.3 27.6 41.4#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 50.180 ug/l

RT: 5.20 min Scan# 664

Delta R.T. -0.01 min

Lab File: VX010341.D

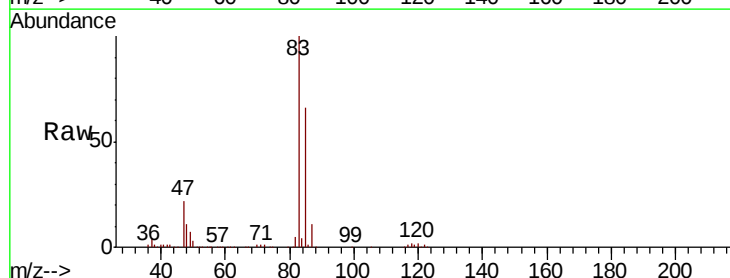
Acq: 18 Jun 2019 16:42

Tgt Ion: 83 Resp: 233253

Ion Ratio Lower Upper

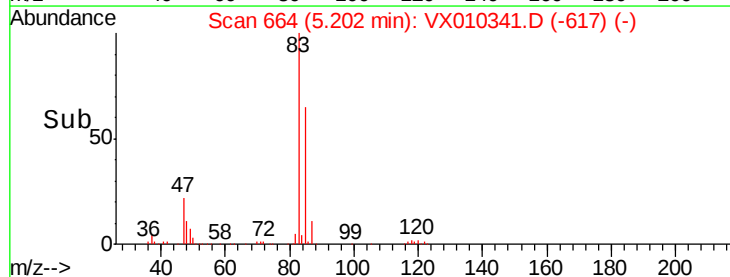
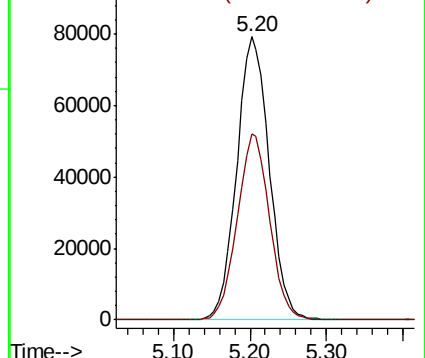
83 100

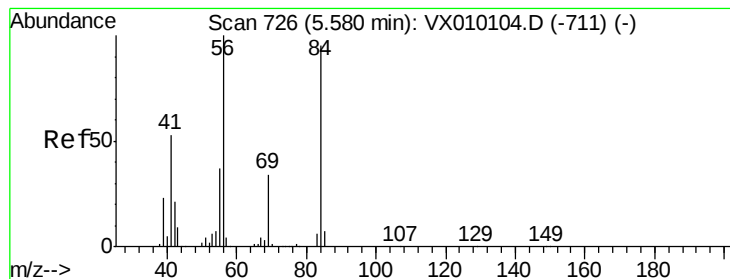
85 65.8 52.6 78.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 47.217 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

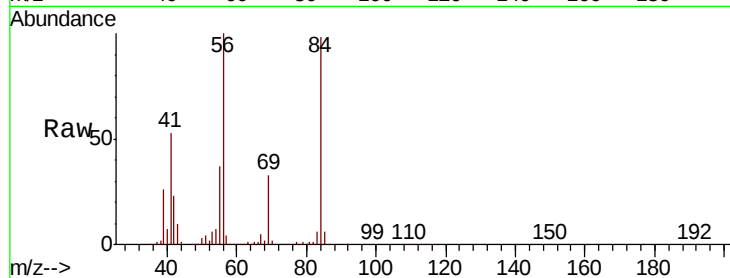
Tot Ion: 56 Resp: 190732

Ion Ratio Lower Upper

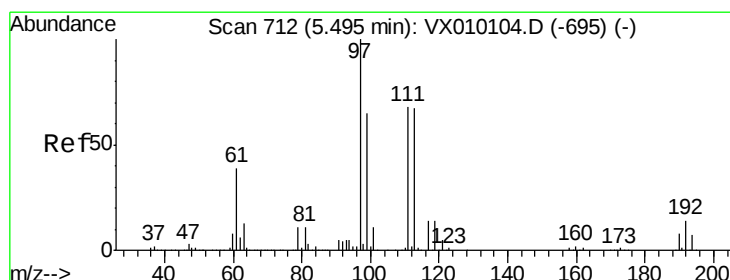
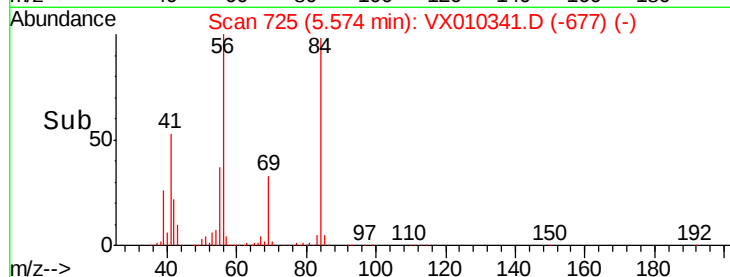
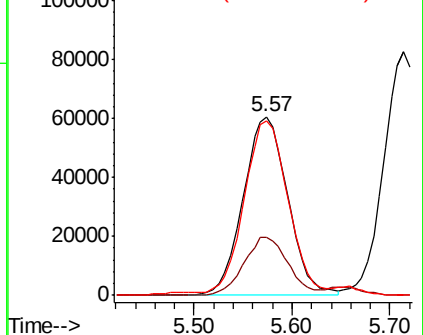
56 100

69 32.8 21.6 32.4#

84 96.4 56.8 85.2#



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



#32

1,1,1-Trichloroethane

Concen: 47.918 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

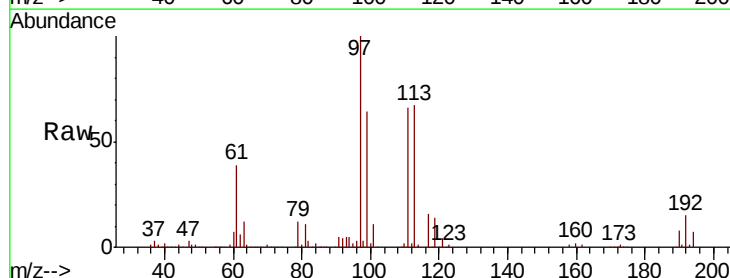
Tgt Ion: 97 Resp: 209398

Ion Ratio Lower Upper

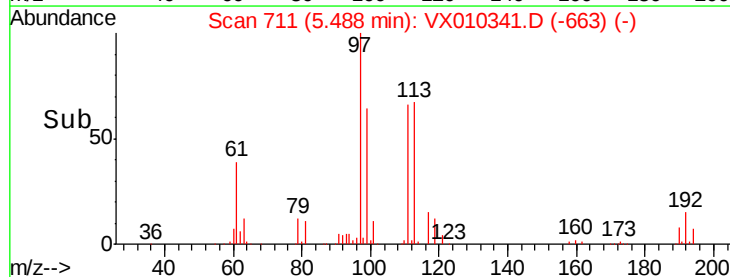
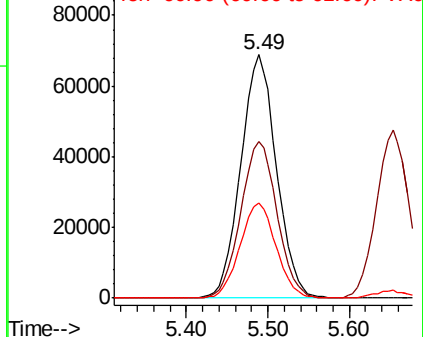
97 100

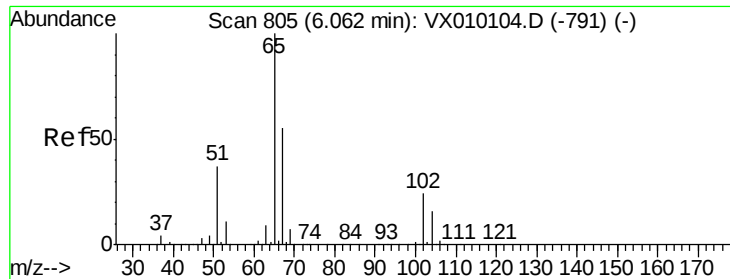
99 65.4 51.0 76.4

61 39.7 38.7 58.1



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: 46.841 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

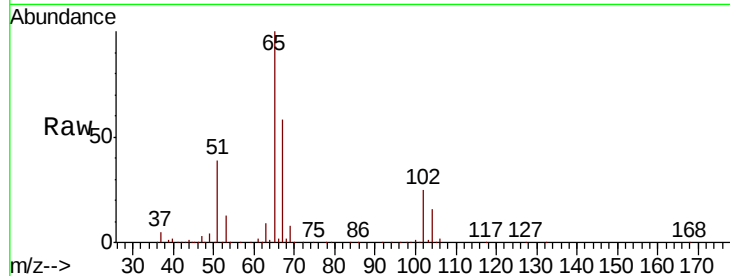
ClientSampled :

Tot Ion: 65 Resp: 130022

Ion Ratio Lower Upper

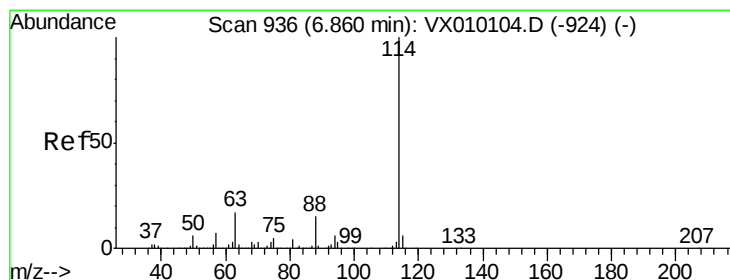
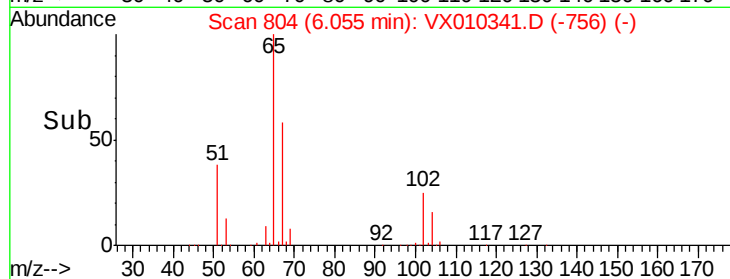
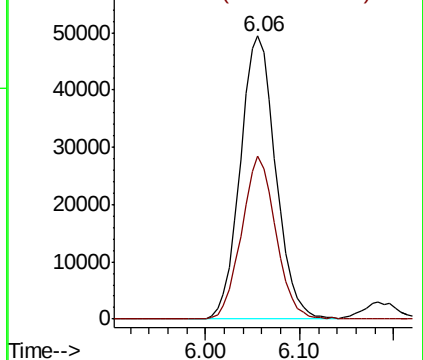
65 100

67 55.8 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

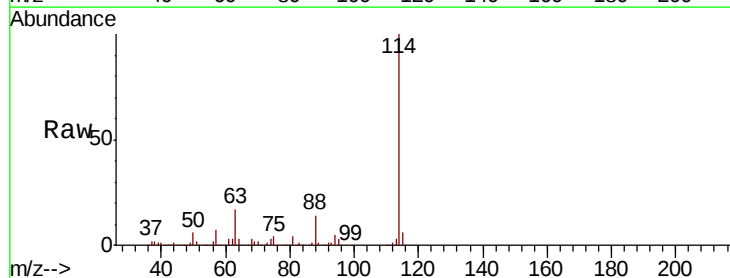
Tgt Ion: 114 Resp: 412302

Ion Ratio Lower Upper

114 100

63 17.3 0.0 47.4

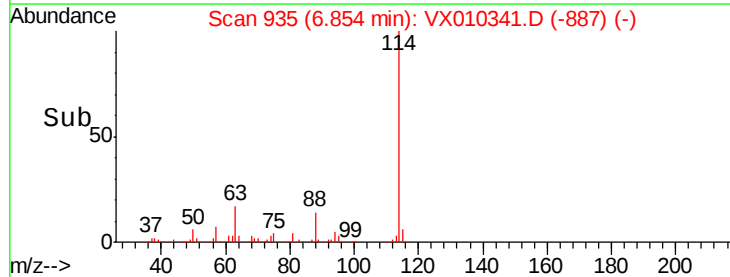
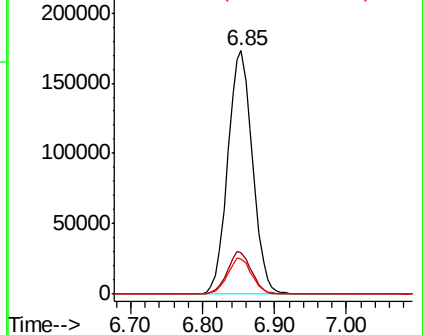
88 14.5 0.0 33.0

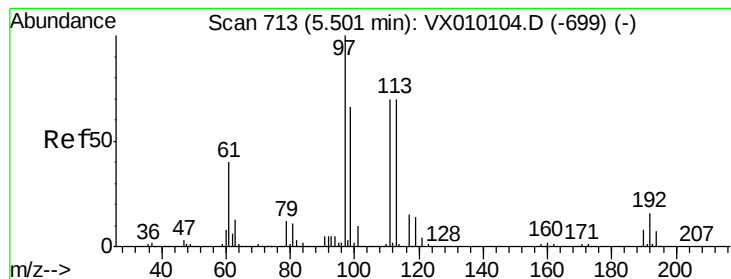


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 51.483 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

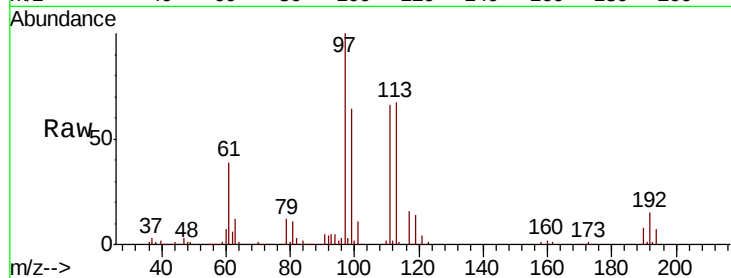
Tot Ion:113 Resp: 130931

Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.2

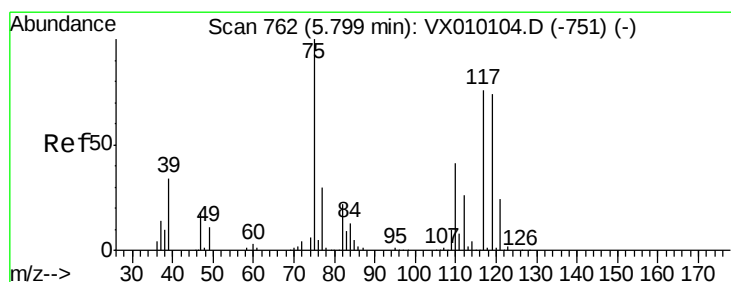
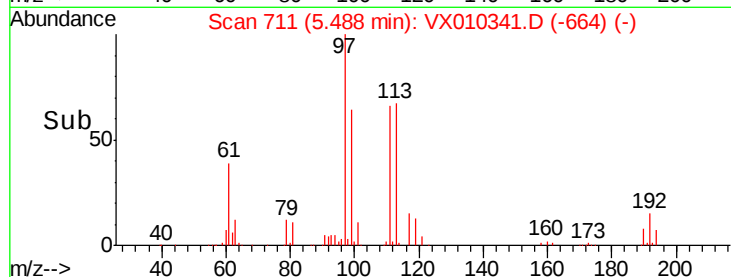
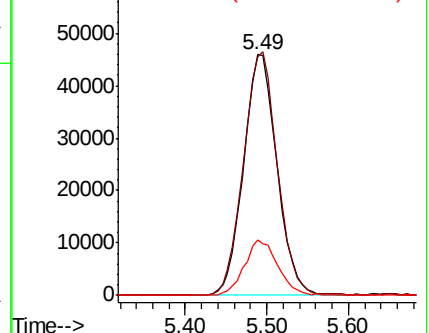
192 23.0 17.1 25.7



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: 50.306 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

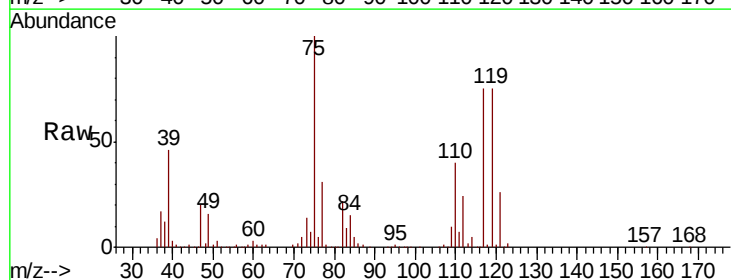
Tgt Ion: 75 Resp: 169216

Ion Ratio Lower Upper

75 100

110 40.8 16.7 50.1

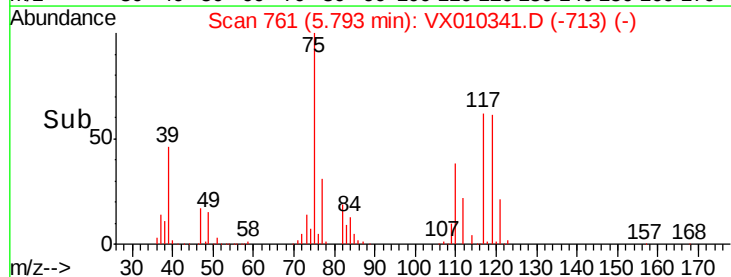
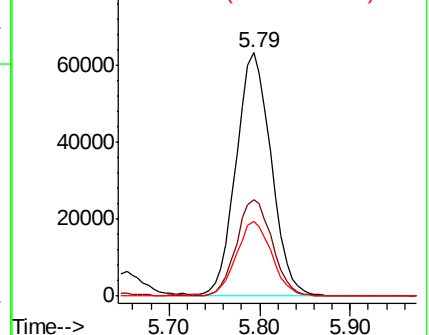
77 31.4 25.0 37.4

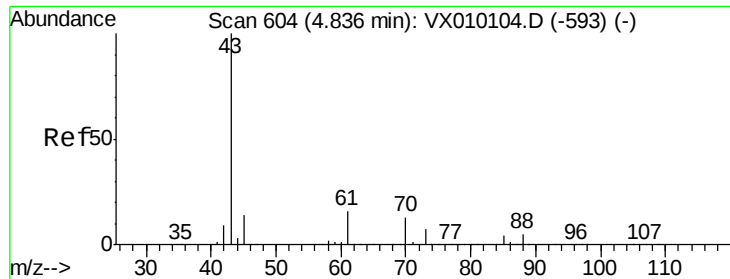


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

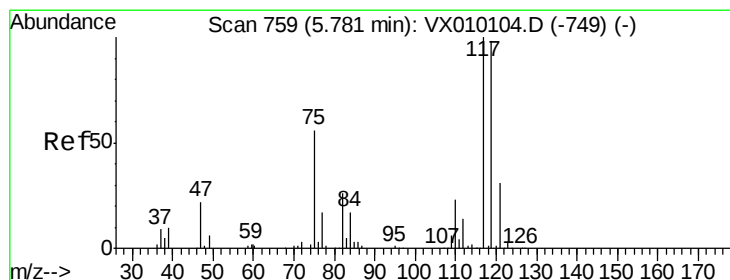
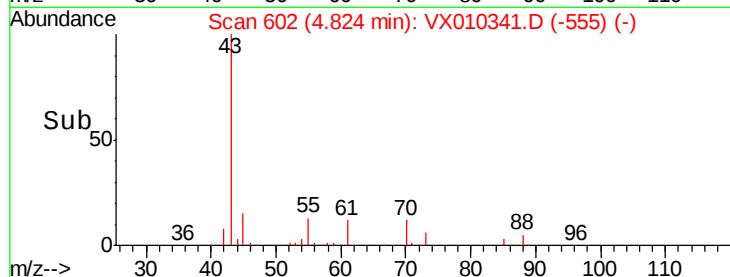
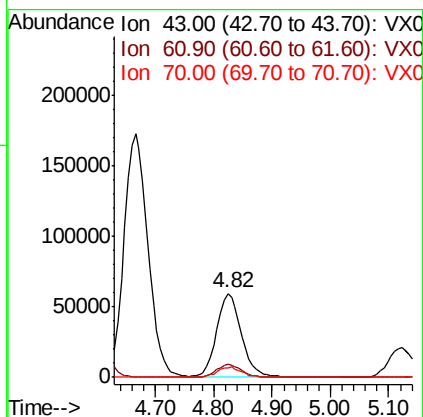
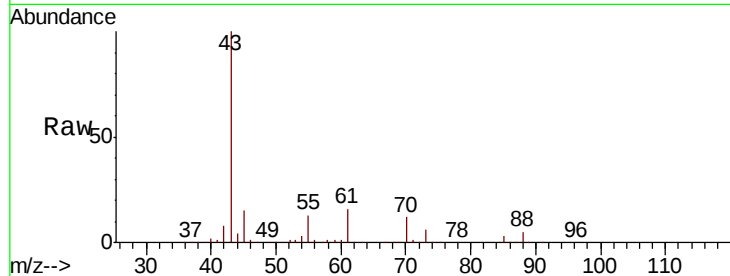




#37
Ethyl Acetate
Concen: 50.064 ug/l
RT: 4.82 min Scan# 602
Delta R.T. -0.01 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

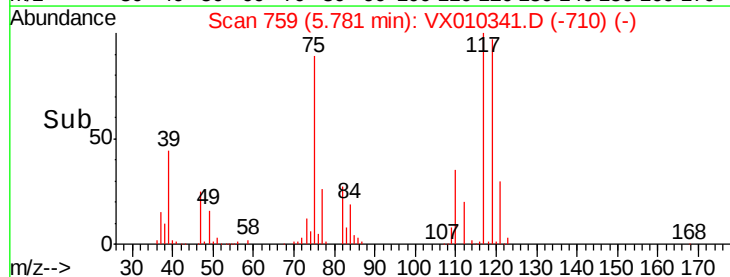
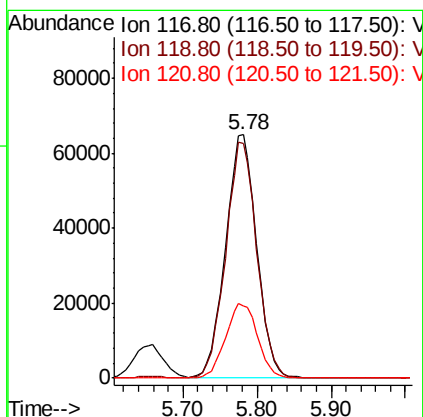
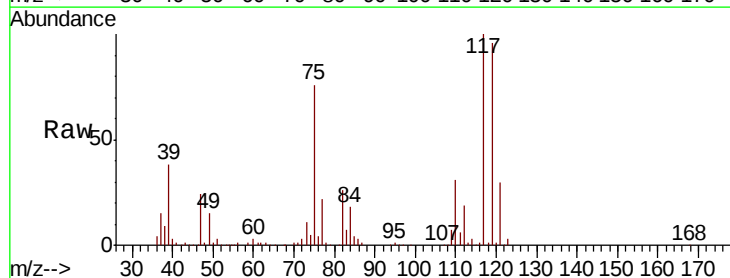
Instrument :
MSVOA_X
ClientSampled :

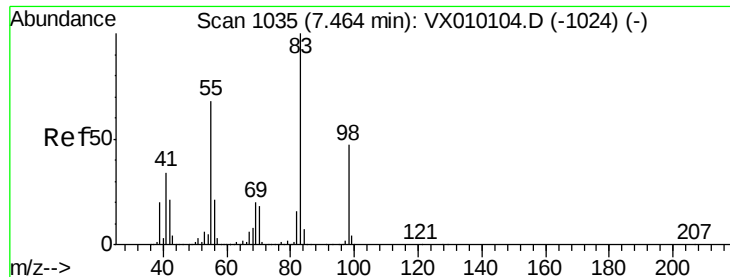
Tot Ion: 43 Resp: 175218
Ion Ratio Lower Upper
43 100
61 15.9 10.2 15.2#
70 12.2 7.4 11.2#



#38
Carbon Tetrachloride
Concen: 49.813 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Tgt Ion: 117 Resp: 189657
Ion Ratio Lower Upper
117 100
119 96.3 77.3 115.9
121 29.7 25.4 38.0

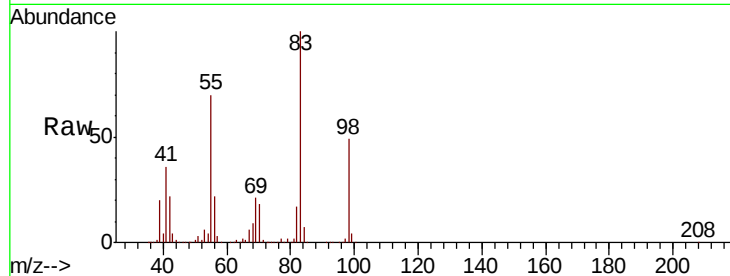




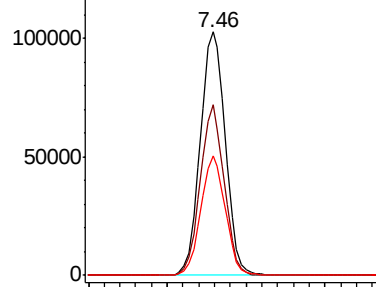
#39
Methvlcvclohexane
Concen: 49.331 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Instrument :
MSVOA_X
ClientSampled :

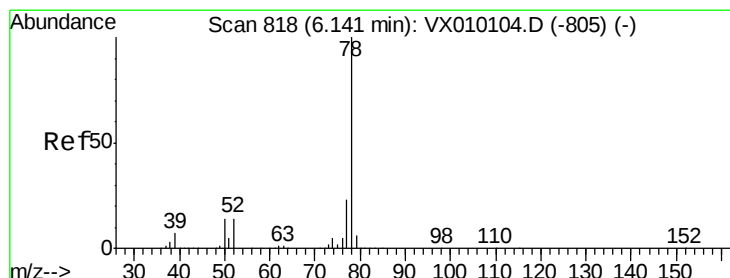
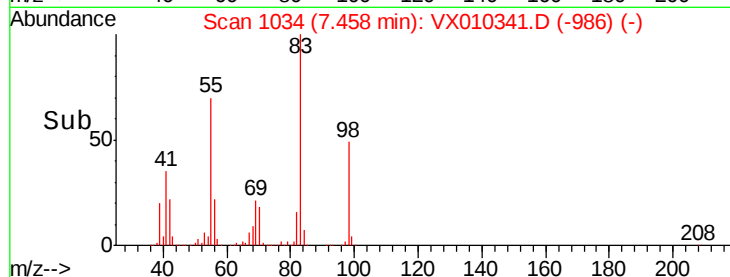
Tot Ion	83.00	Resp	225956
Ion Ratio	Lower	Upper	
83	100		
55	70.0	69.9	104.9
98	49.0	35.1	52.7



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

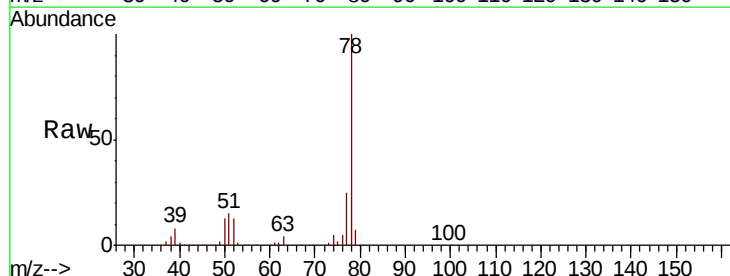


Time--> 7.30 7.40 7.50 7.60

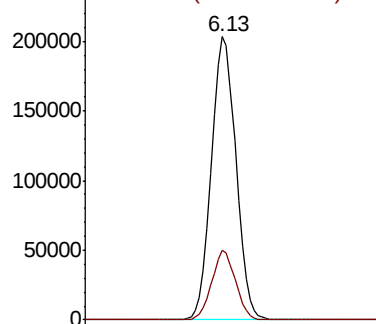


#40
Benzene
Concen: 51.277 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

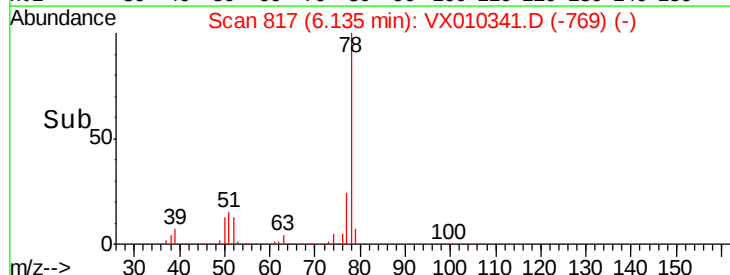
Tgt Ion	78.00	Resp	533353
Ion Ratio	Lower	Upper	
78	100		
77	24.6	19.2	28.8



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



Time--> 6.00 6.10 6.20 6.30





#41

Methacrylonitrile

Concen: 50.373 ug/l

RT: 5.03 min Scan# 636

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 41 Resp: 95366

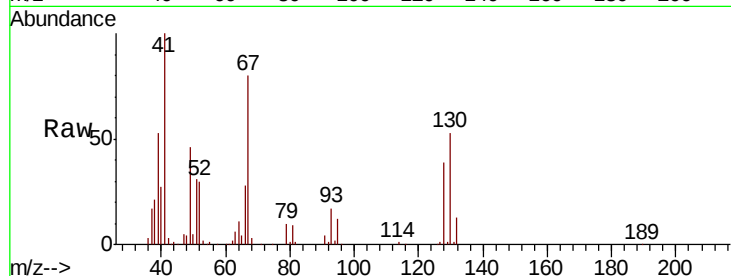
Ion Ratio Lower Upper

41 100

39 55.0 42.2 63.4

67 84.2 48.9 73.3#

52 32.3 20.1 30.1#

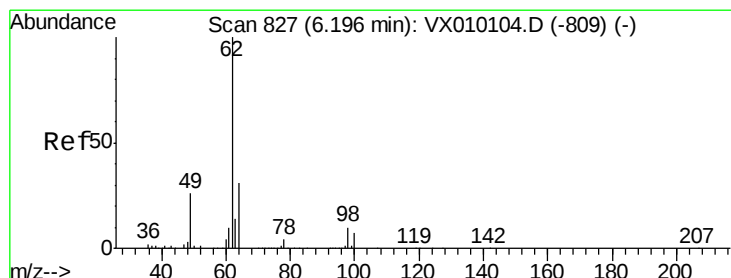
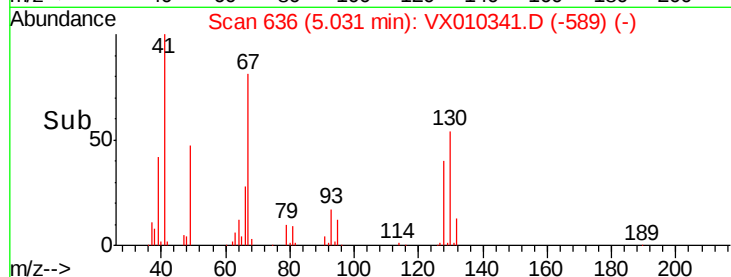
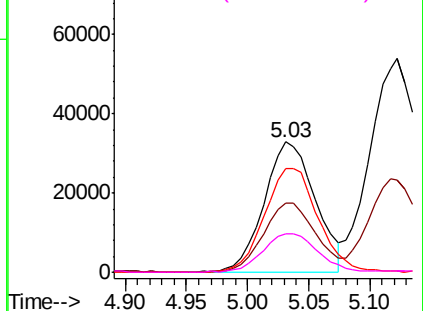


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 50.322 ug/l

RT: 6.18 min Scan# 825

Delta R.T. -0.01 min

Lab File: VX010341.D

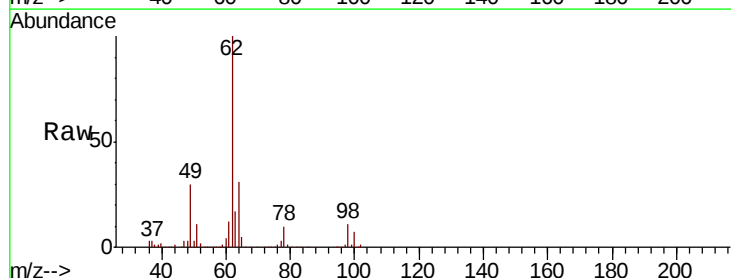
Acq: 18 Jun 2019 16:42

Tgt Ion: 62 Resp: 167103

Ion Ratio Lower Upper

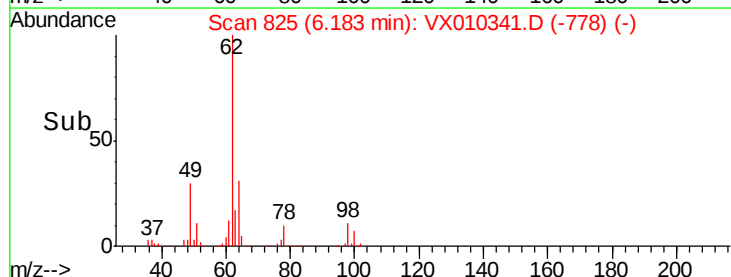
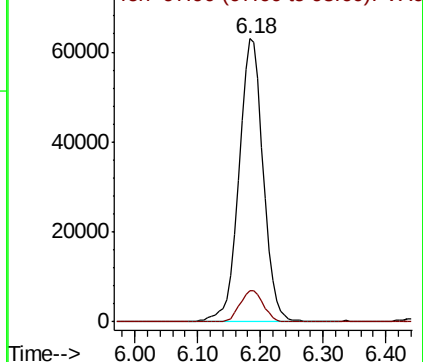
62 100

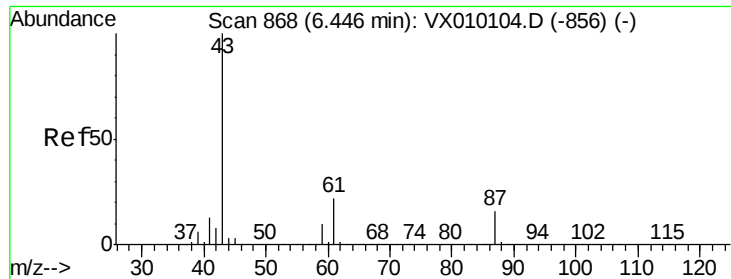
98 10.8 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 50.653 ug/l

RT: 6.43 min Scan# 866

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

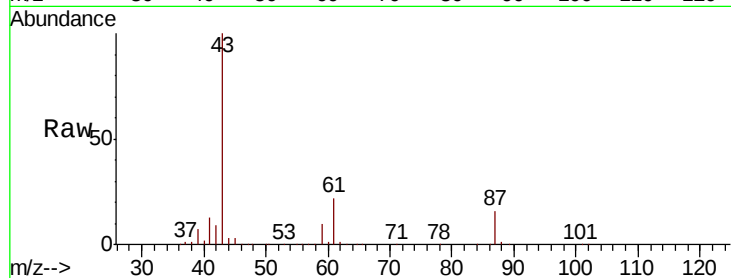
Tot Ion: 43 Resp: 296413

Ion Ratio Lower Upper

43 100

61 21.5 14.6 21.8

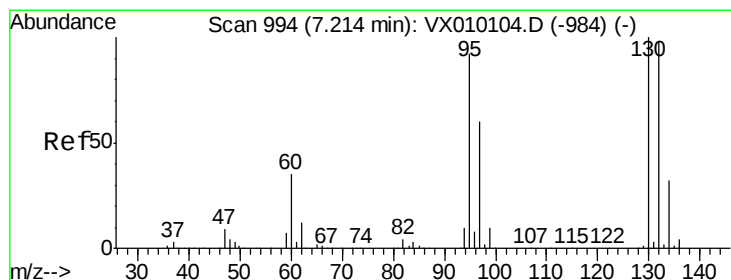
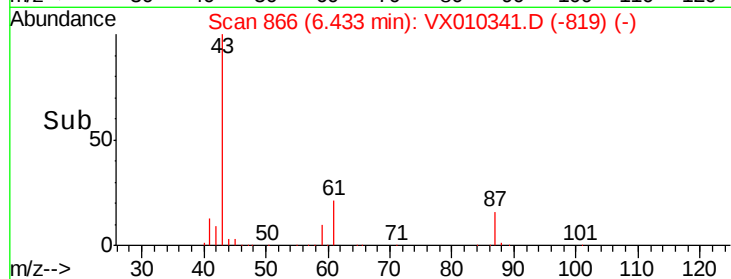
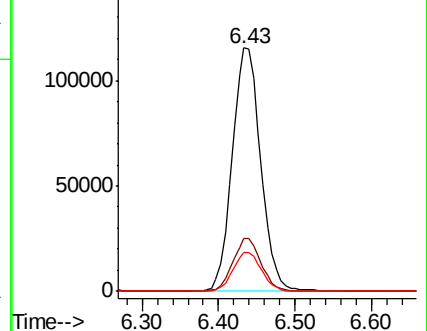
87 15.8 8.7 13.1#



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: 51.490 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX010341.D

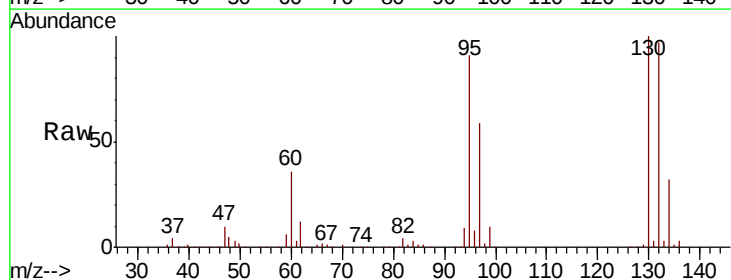
Acq: 18 Jun 2019 16:42

Tgt Ion:130 Resp: 161437

Ion Ratio Lower Upper

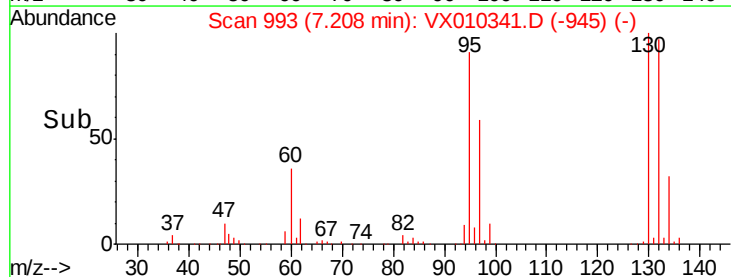
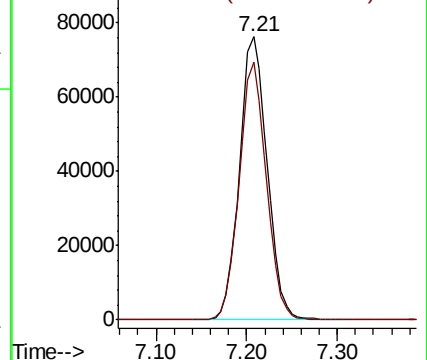
130 100

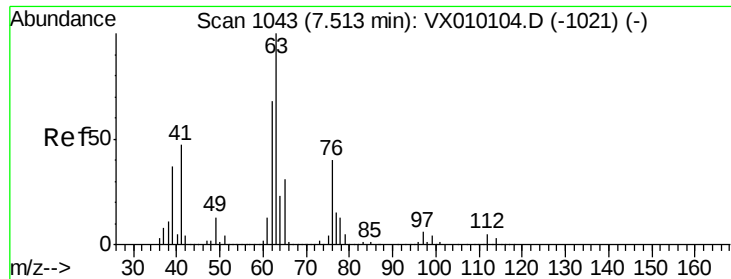
95 91.1 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

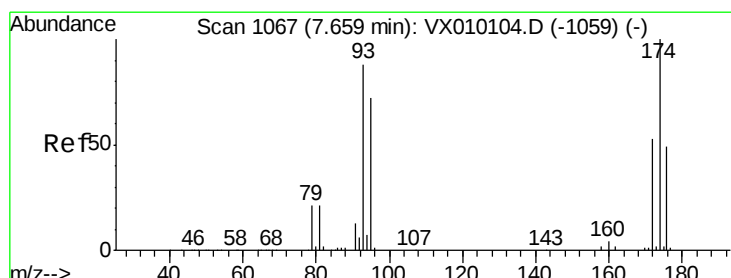
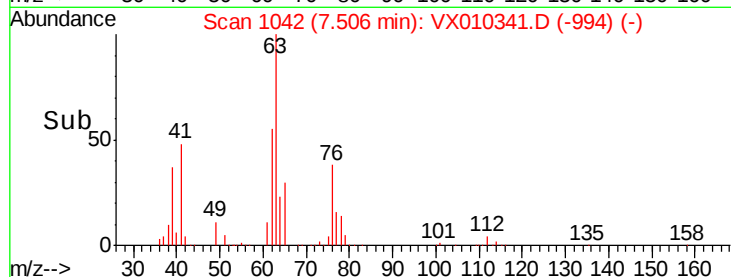
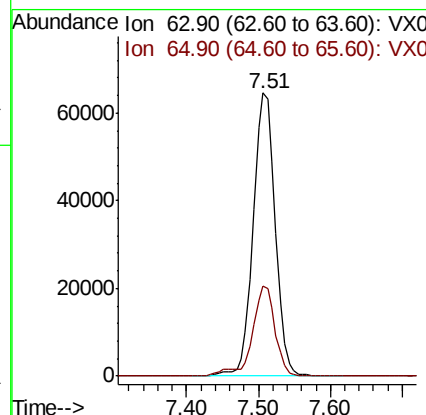
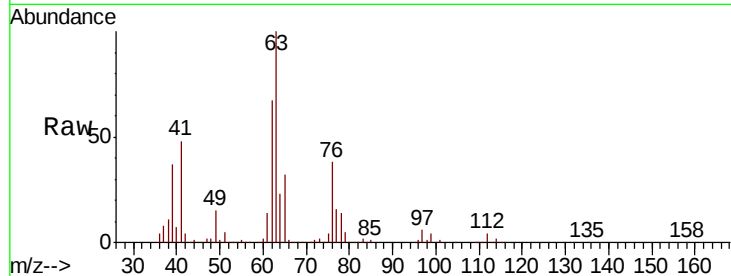




#45
 1,2-Dichloropropane
 Concen: 52.806 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX010341.D
 Acq: 18 Jun 2019 16:42

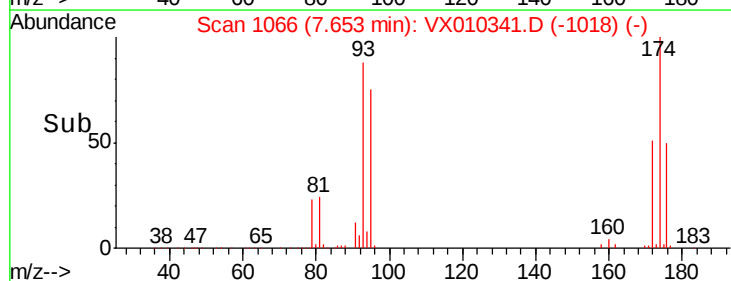
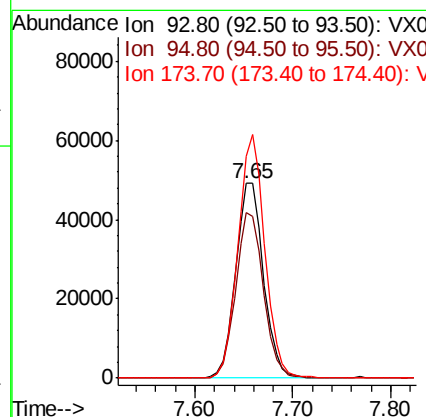
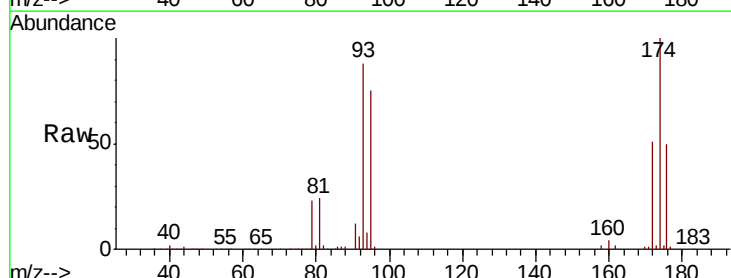
Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 63 Resp: 137473
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.7 38.5



#46
 Dibromomethane
 Concen: 49.778 ug/l
 RT: 7.65 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: VX010341.D
 Acq: 18 Jun 2019 16:42

Tgt Ion: 93 Resp: 97087
 Ion Ratio Lower Upper
 93 100
 95 84.6 66.8 100.2
 174 120.2 81.9 122.9





#47

Bromodichloromethane

Concen: 51.128 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

ClientSampled :

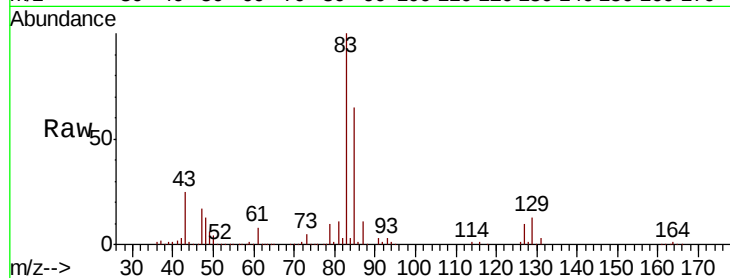
Tot Ion: 83 Resp: 186336

Ion Ratio Lower Upper

83 100

85 64.7 51.4 77.2

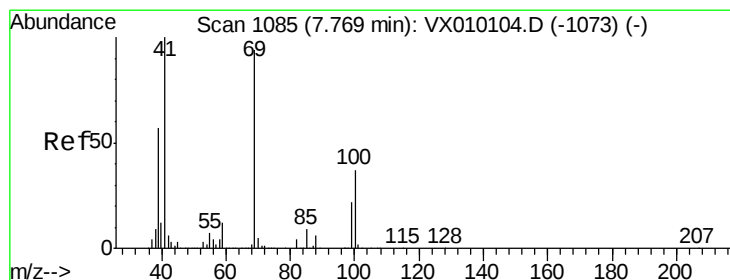
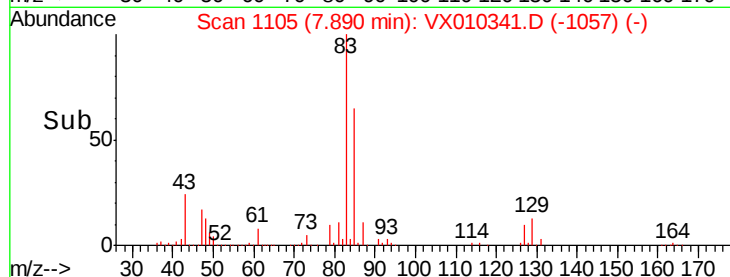
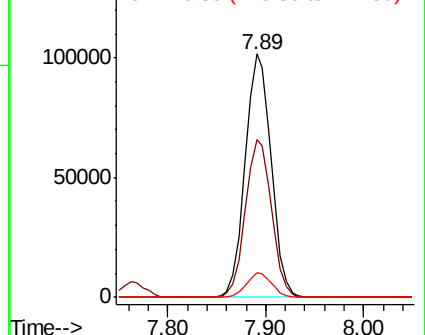
127 10.3 6.4 9.6#



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: 51.278 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

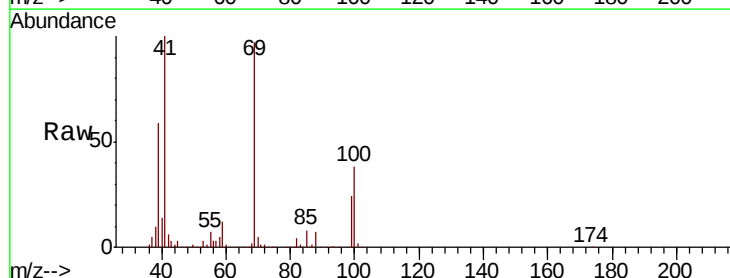
Tgt Ion: 41 Resp: 140333

Ion Ratio Lower Upper

41 100

69 94.8 56.4 84.6#

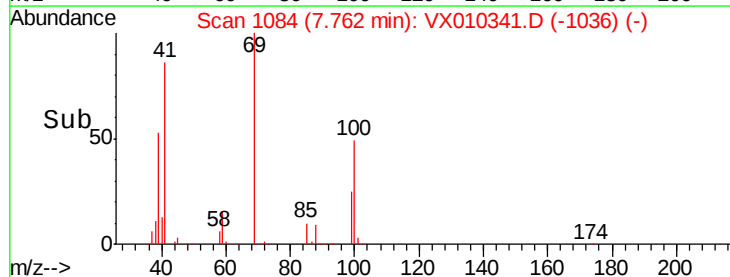
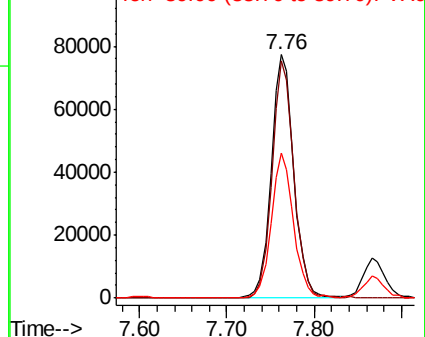
39 57.9 40.6 60.8

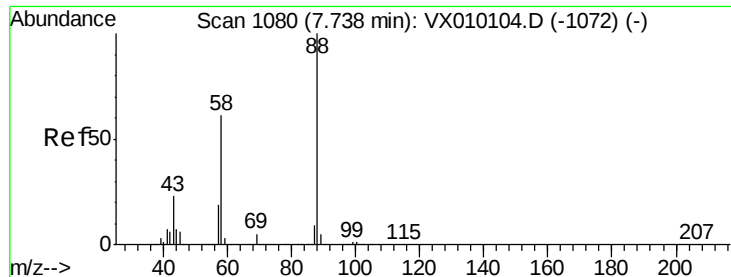


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 944.379 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

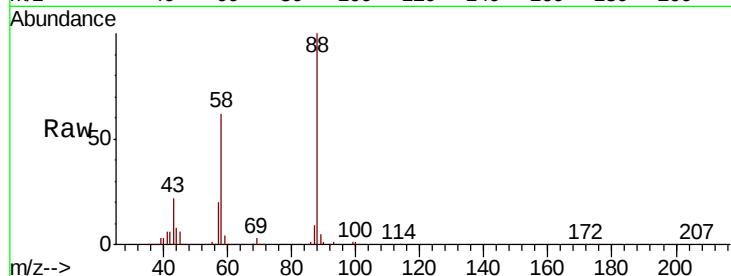
Tot Ion: 88 Resp: 73687

Ion Ratio Lower Upper

88 100

43 24.8 30.2 45.4#

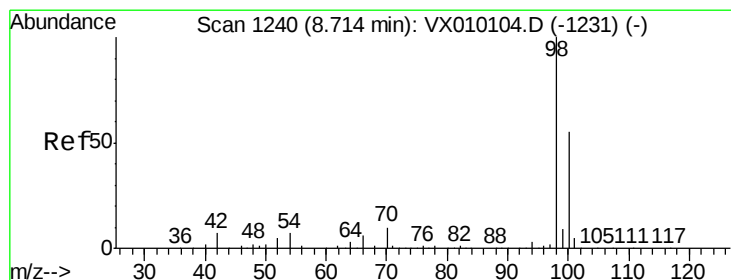
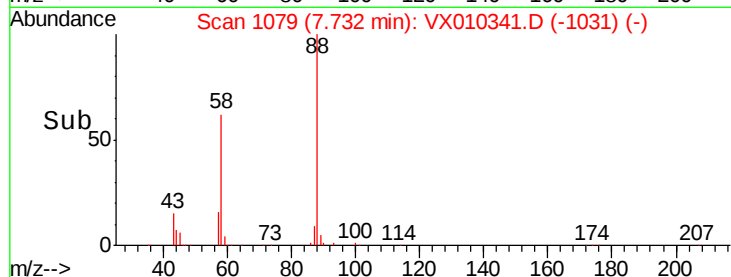
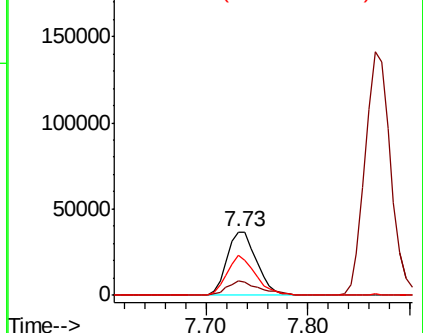
58 61.2 64.0 96.0#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 51.273 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010341.D

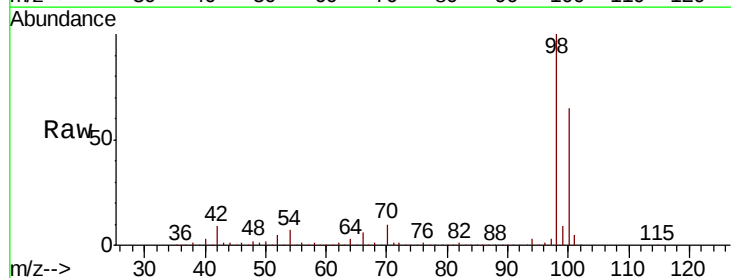
Acq: 18 Jun 2019 16:42

Tgt Ion: 98 Resp: 488701

Ion Ratio Lower Upper

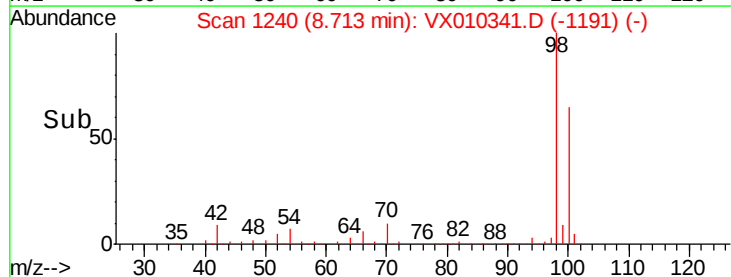
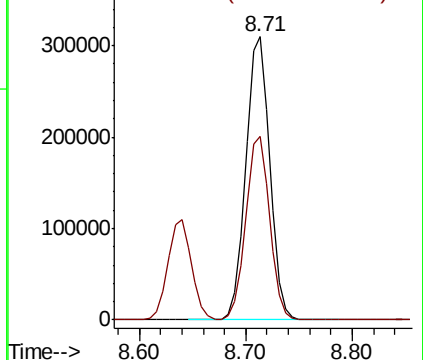
98 100

100 64.7 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

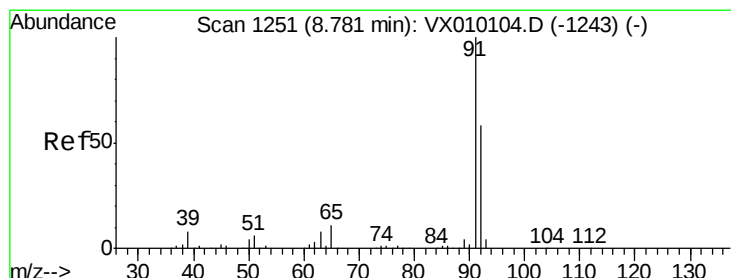
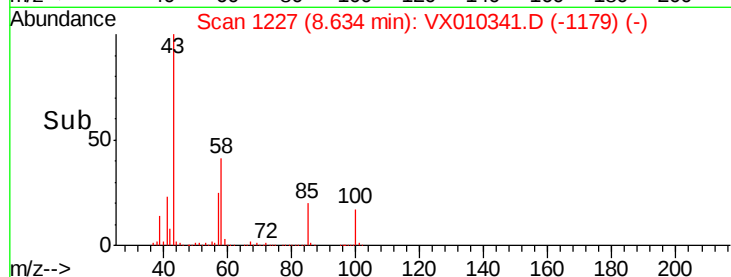
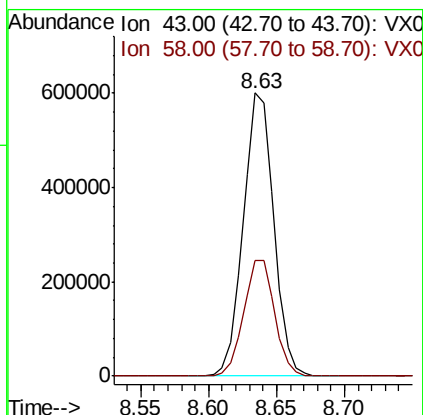
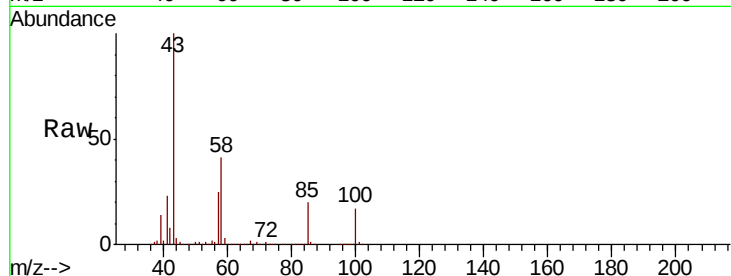




#51
4-Methyl-2-Pentanone
Concen: 269.182 ug/l
RT: 8.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

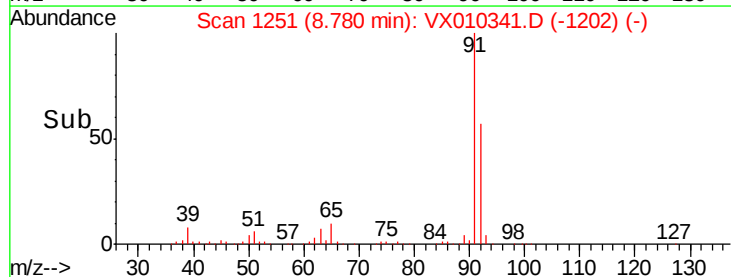
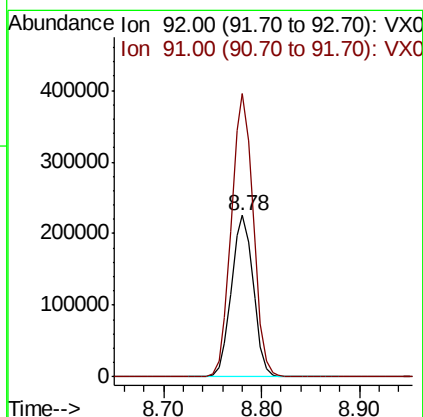
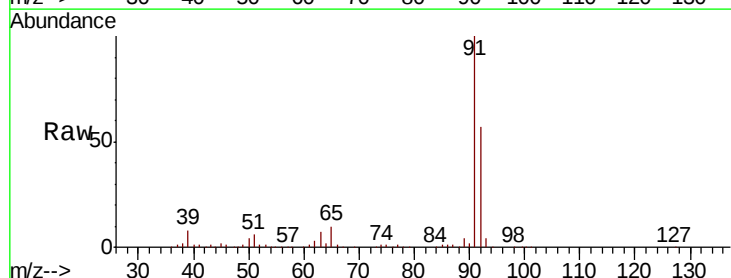
Instrument :
MSVOA_X
ClientSampleId :

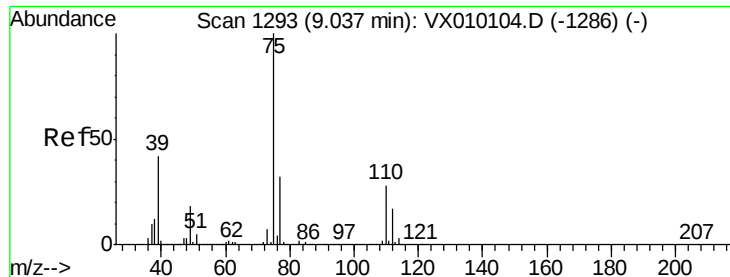
Tot Ion: 43 Resp: 941023
Ion Ratio Lower Upper
43 100
58 41.6 28.8 43.2



#52
Toluene
Concen: 51.221 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Tgt Ion: 92 Resp: 350214
Ion Ratio Lower Upper
92 100
91 175.1 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 49.917 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

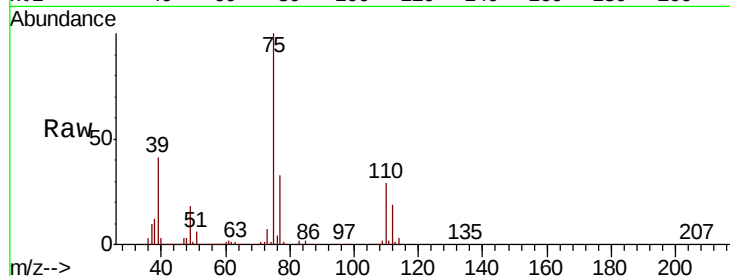
ClientSampleId :

Tot Ion: 75 Resp: 210427

Ion Ratio Lower Upper

75 100

77 32.8 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

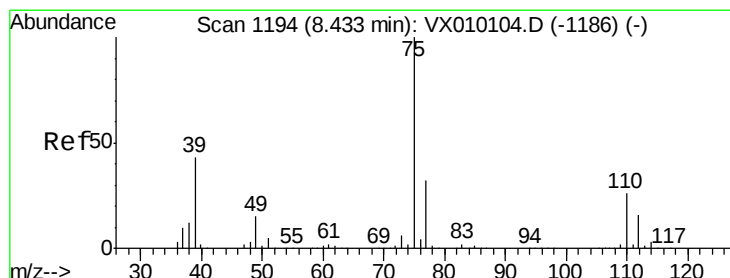
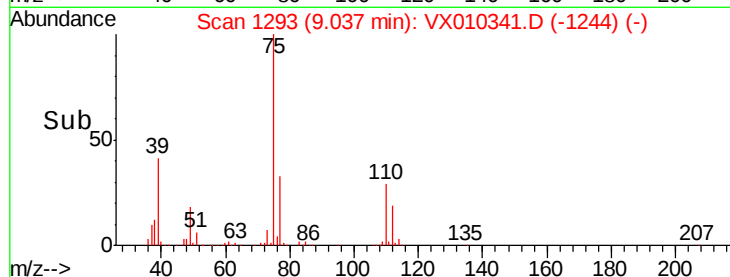
150000

100000

50000

0

Time--> 8.95 9.00 9.05 9.10 9.15



#54

cis-1,3-Dichloropropene

Concen: 50.310 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

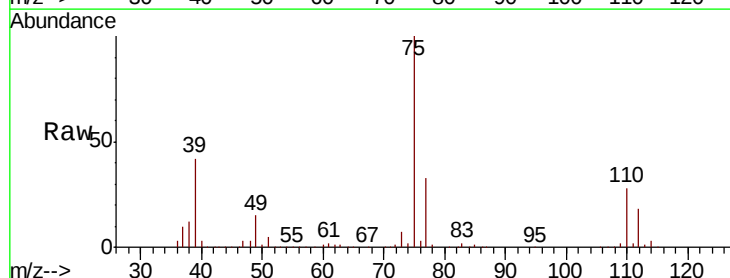
Tgt Ion: 75 Resp: 227364

Ion Ratio Lower Upper

75 100

77 33.1 24.8 37.2

39 42.4 43.4 65.0#



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

8.43

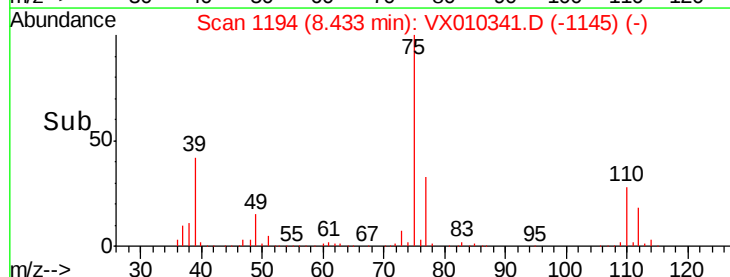
150000

100000

50000

0

Time--> 8.30 8.40 8.50 8.60

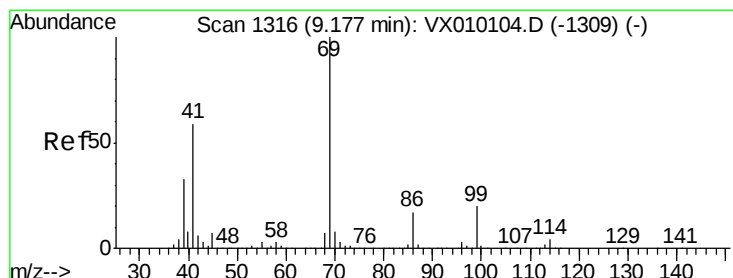
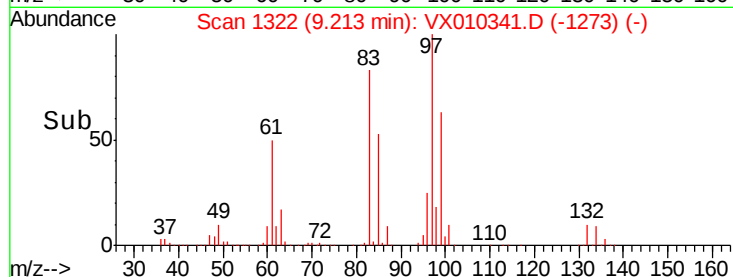
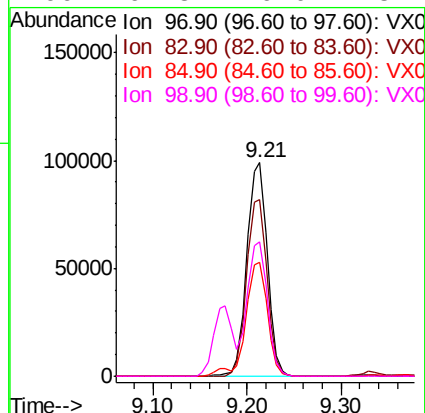
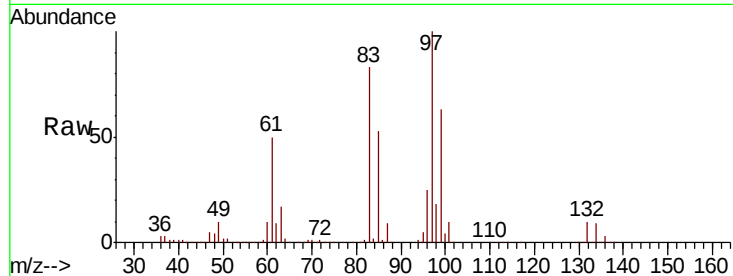




#55
 1,1,2-Trichloroethane
 Concen: 54.026 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010341.D
 Acq: 18 Jun 2019 16:42

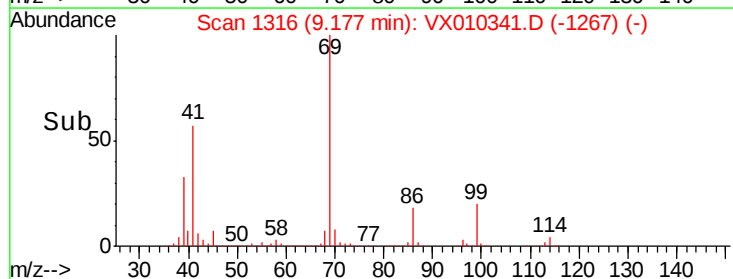
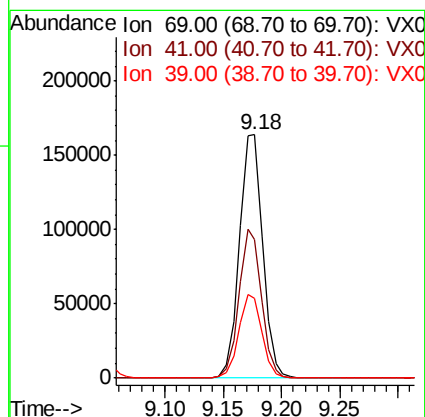
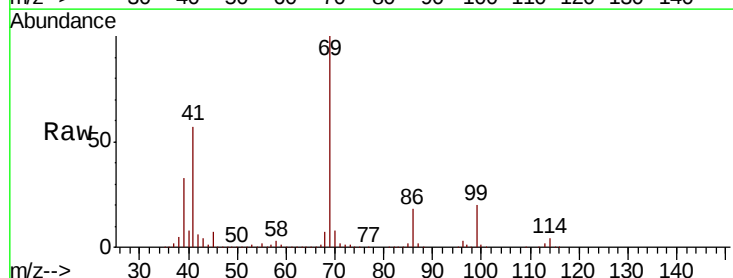
Instrument :
 MSVOA_X
 ClientSampleId :

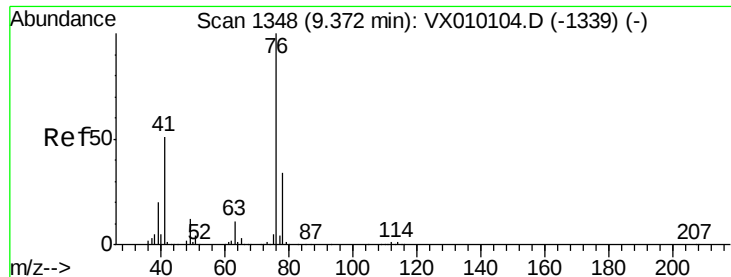
Tot Ion: 97 Resp: 151281
 Ion Ratio Lower Upper
 97 100
 83 82.6 69.8 104.8
 85 53.5 45.3 67.9
 99 62.8 49.0 73.4



#56
 Ethyl methacrylate
 Concen: 51.854 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX010341.D
 Acq: 18 Jun 2019 16:42

Tgt Ion: 69 Resp: 229366
 Ion Ratio Lower Upper
 69 100
 41 58.7 62.7 94.1#
 39 34.0 29.5 44.3





#57

1,3-Dichloropropane

Concen: 52.482 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

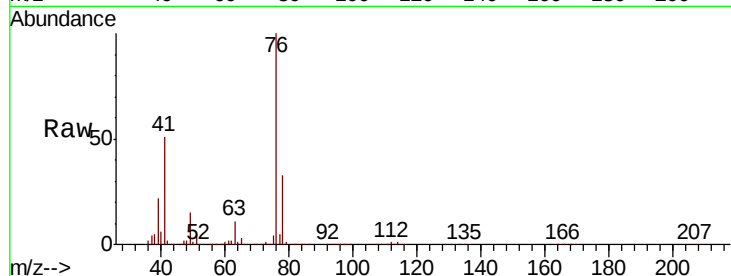
ClientSampleId :

Tot Ion: 76 Resp: 231361

Ion Ratio Lower Upper

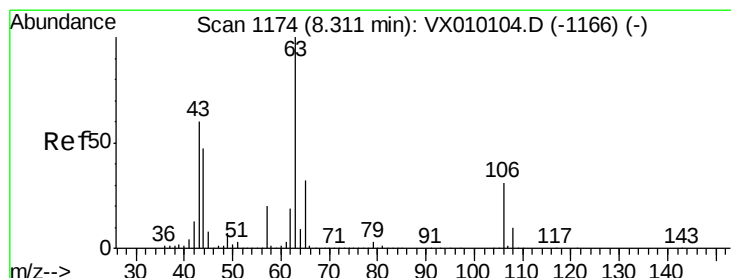
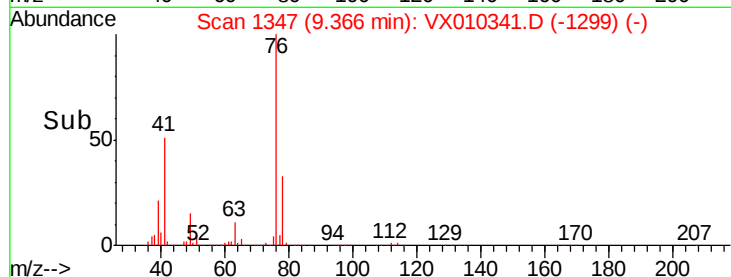
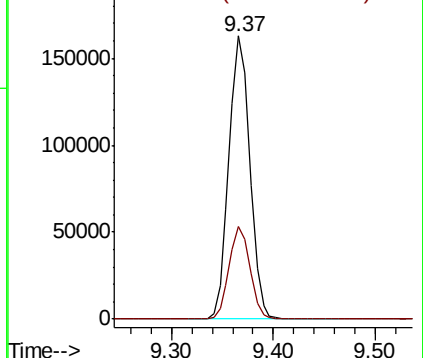
76 100

78 32.6 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 289.855 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX010341.D

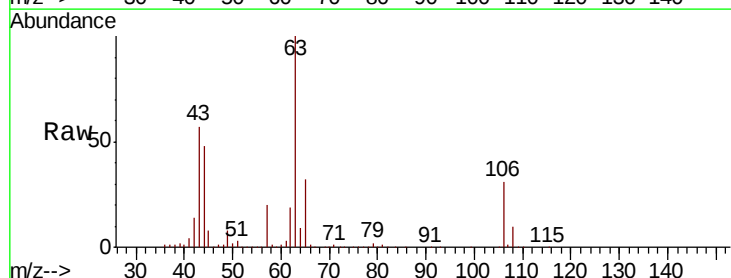
Acq: 18 Jun 2019 16:42

Tgt Ion: 63 Resp: 604419

Ion Ratio Lower Upper

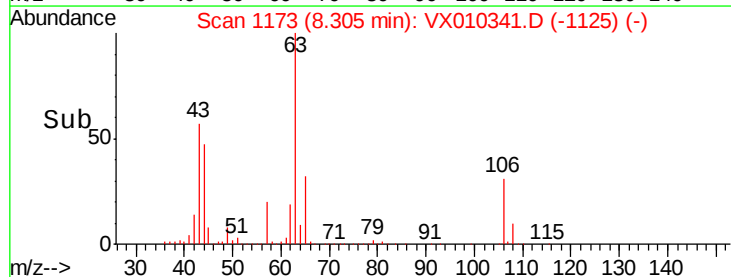
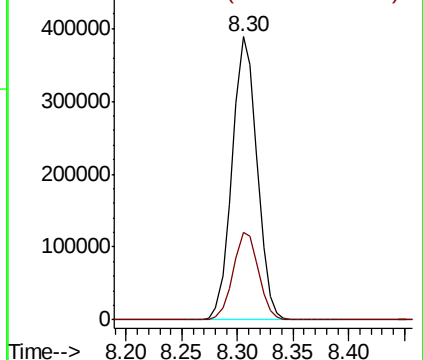
63 100

106 31.5 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

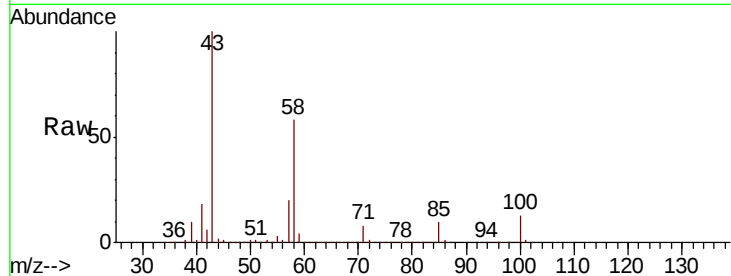




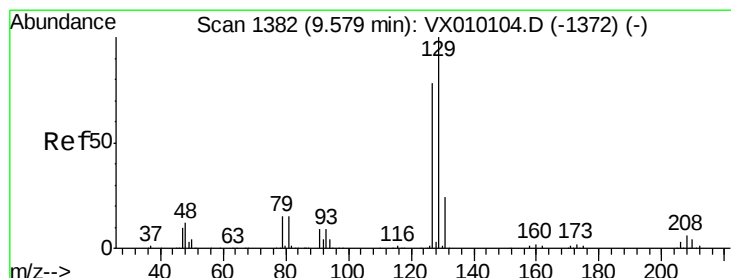
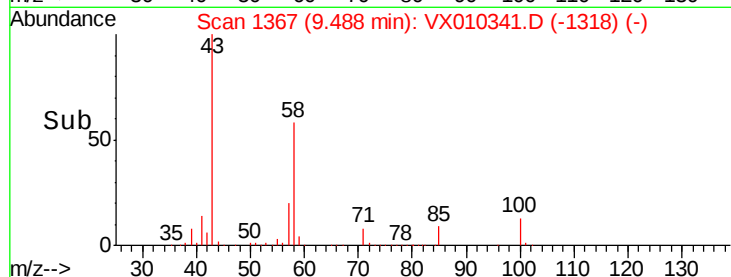
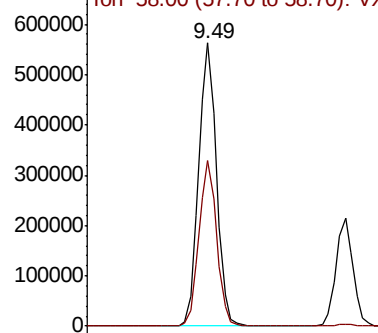
#59
2-Hexanone
Concen: 264.500 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 737238
Ion Ratio Lower Upper
43 100
58 58.2 25.1 75.3

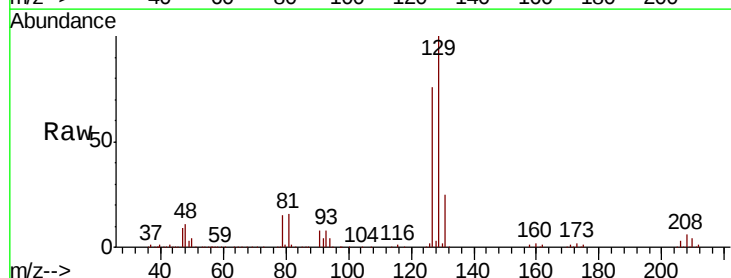


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

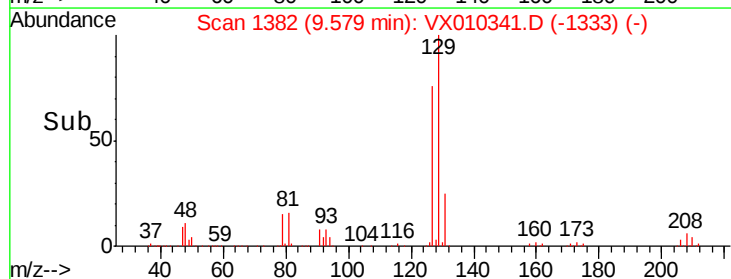
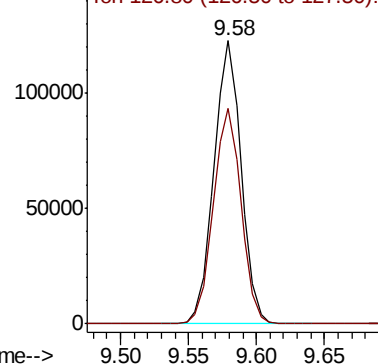


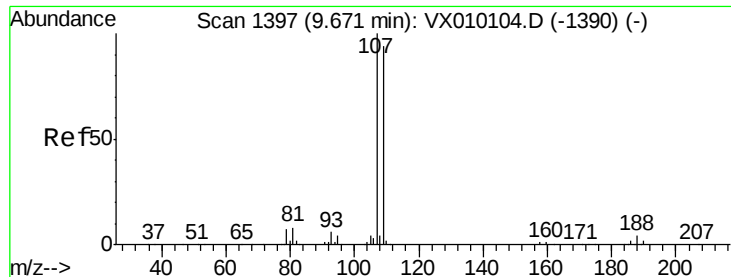
#60
Dibromochloromethane
Concen: 51.859 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Tgt Ion:129 Resp: 171764
Ion Ratio Lower Upper
129 100
127 77.4 38.5 115.5



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 51.369 ug/l

RT: 9.66 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

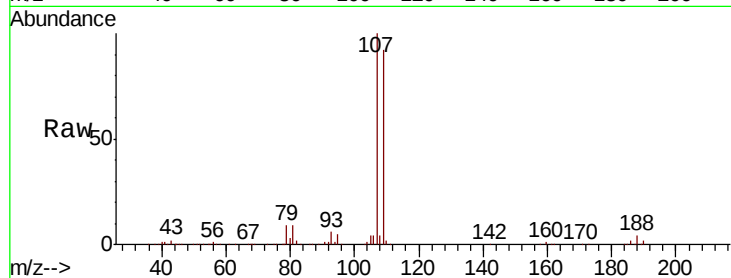
ClientSampleId :

Tot Ion:107 Resp: 160202

Ion Ratio Lower Upper

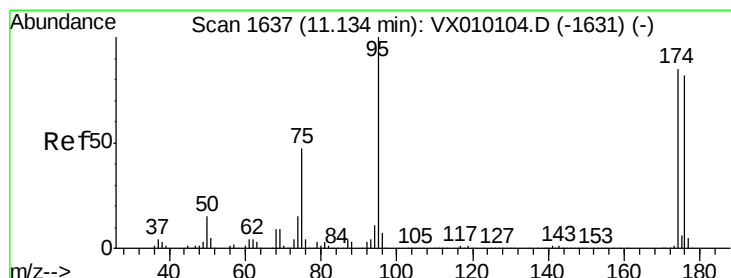
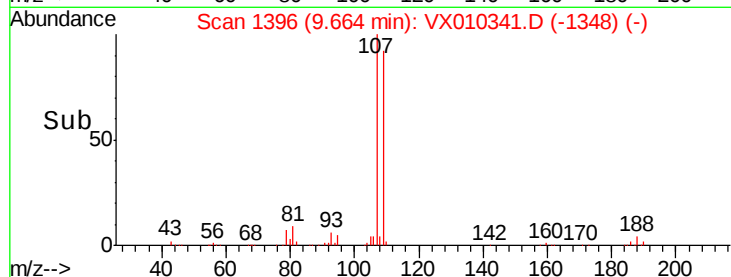
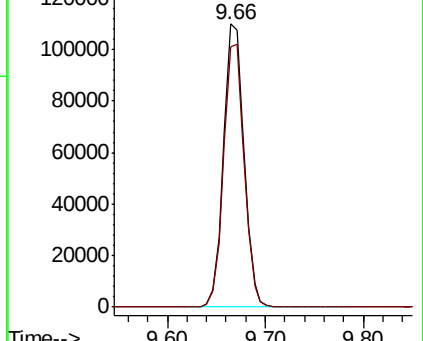
107 100

109 93.6 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.956 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

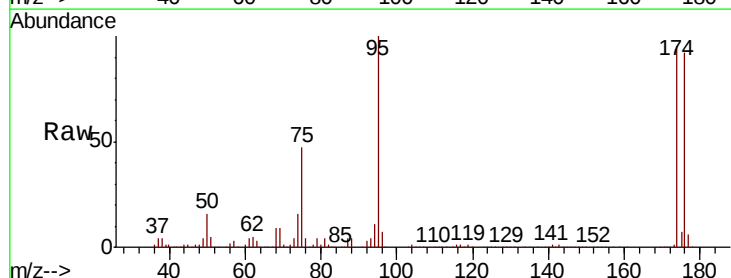
Tgt Ion: 95 Resp: 184944

Ion Ratio Lower Upper

95 100

174 95.3 0.0 160.4

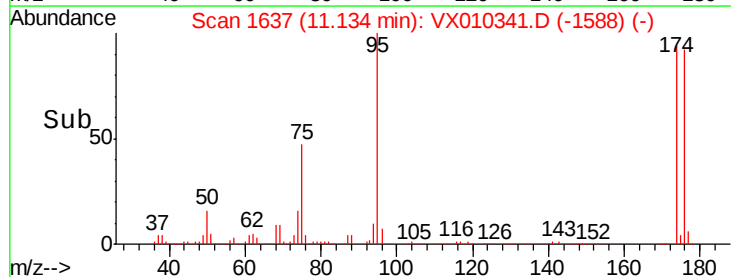
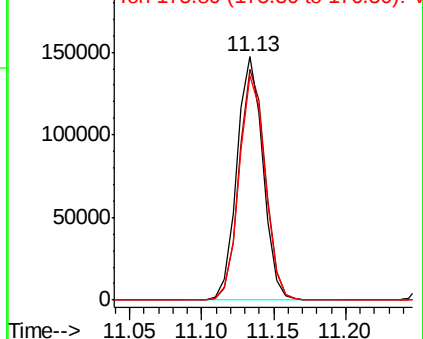
176 92.5 0.0 154.6

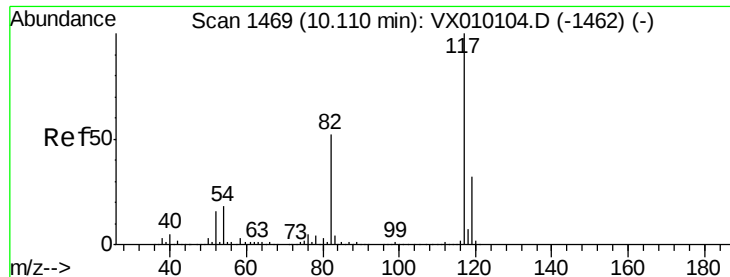


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

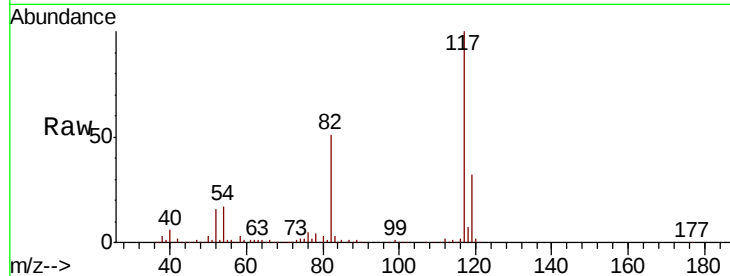




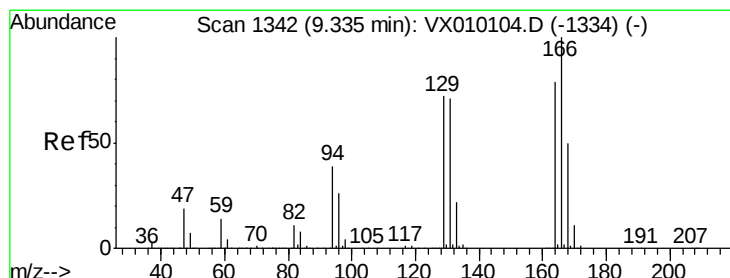
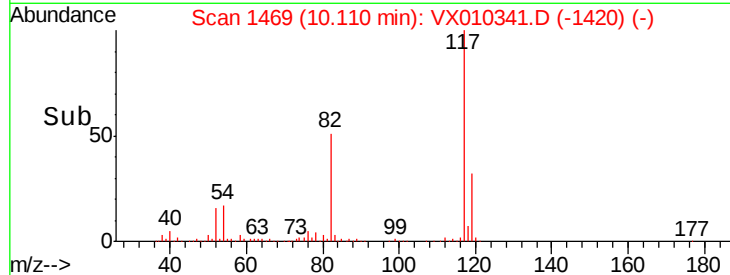
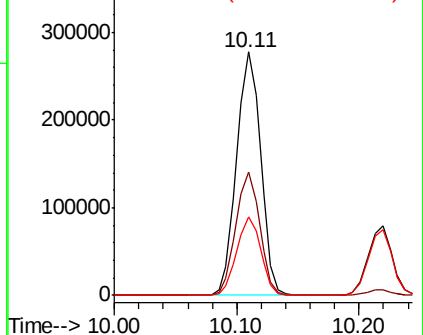
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.9	49.2	73.8
119	32.1	25.2	37.8



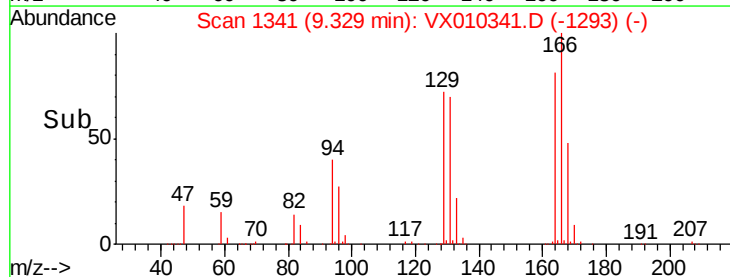
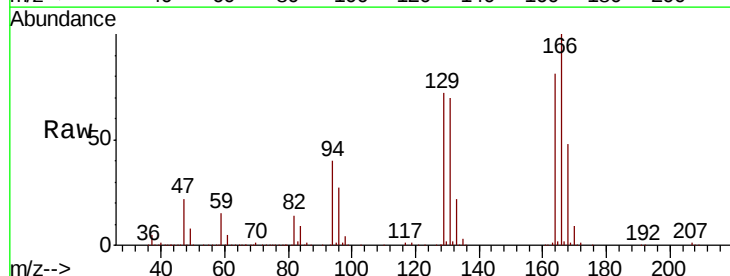
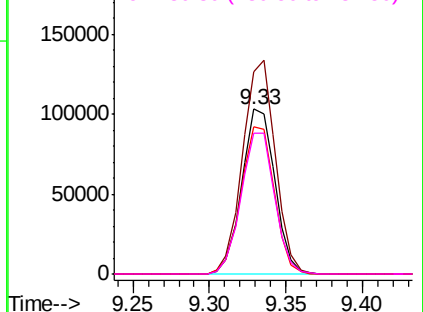
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

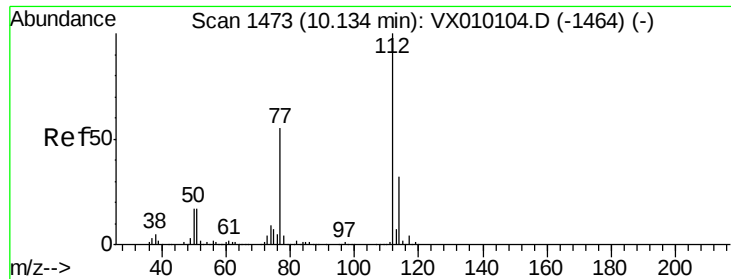


#64
Tetrachloroethene
Concen: 54.845 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.0	105.0	157.4
129	89.1	75.1	112.7
131	85.7	72.2	108.4

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

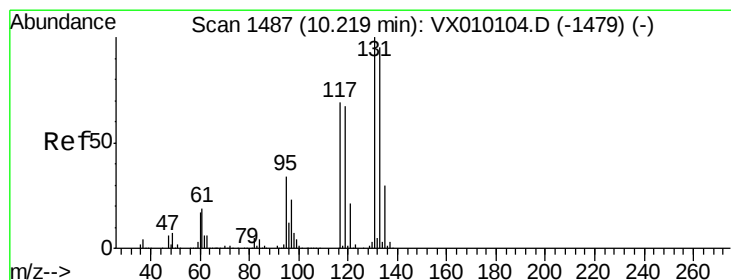
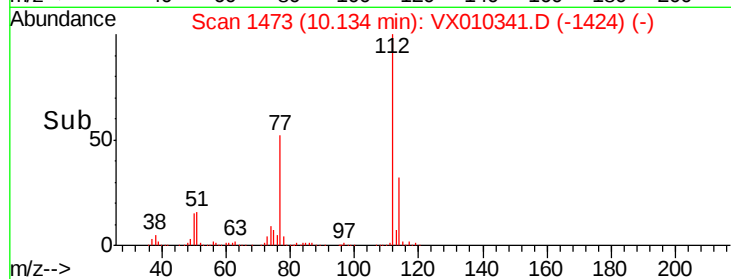
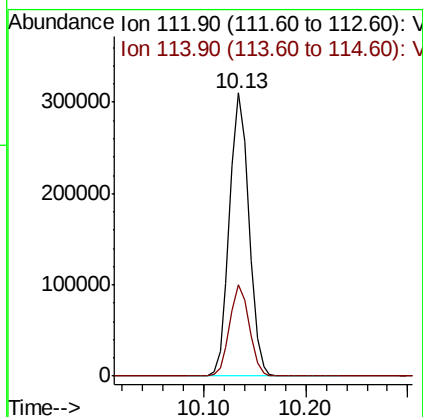
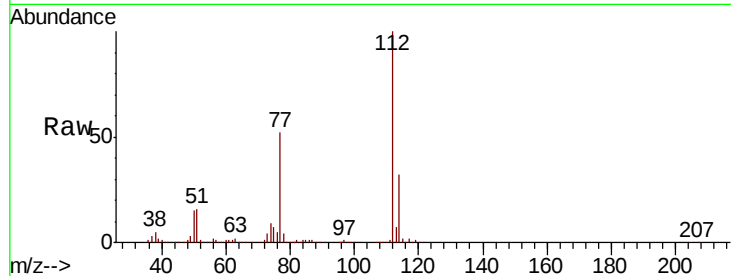




#65
Chlorobenzene
Concen: 52.196 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

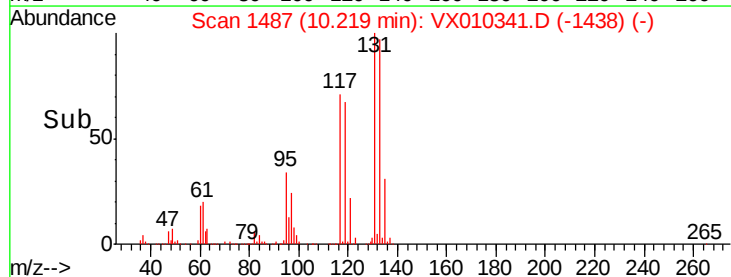
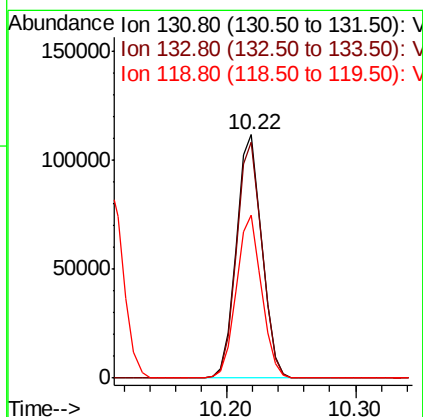
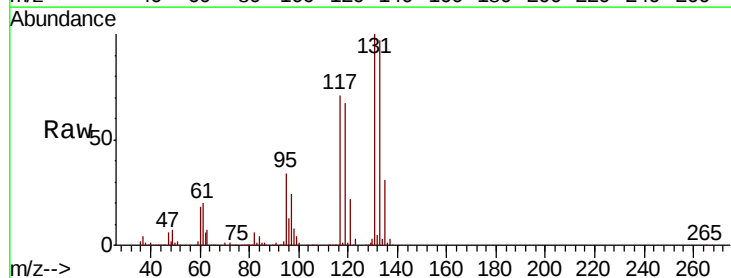
Instrument :
MSVOA_X
ClientSampleId :

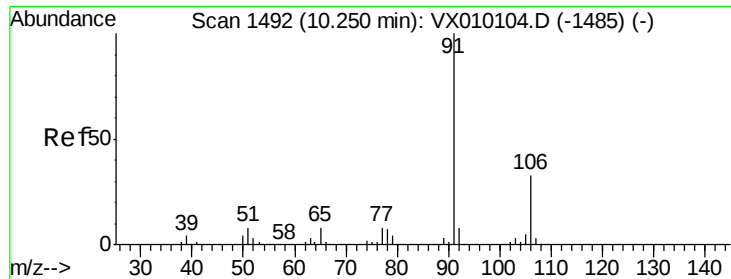
Tot Ion:112 Resp: 408200
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 51.068 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Tgt Ion:131 Resp: 153585
Ion Ratio Lower Upper
131 100
133 97.0 47.5 142.6
119 66.5 33.4 100.1





#67

Ethyl Benzene

Concen: 52.192 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

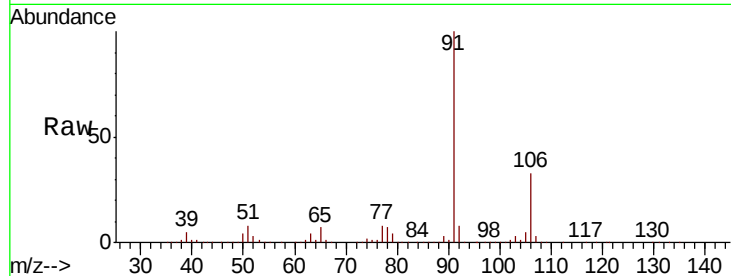
ClientSampleId :

Tot Ion: 91 Resp: 694845

Ion Ratio Lower Upper

91 100

106 33.1 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

800000

600000

400000

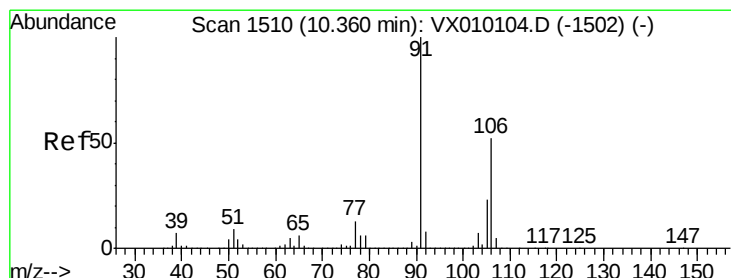
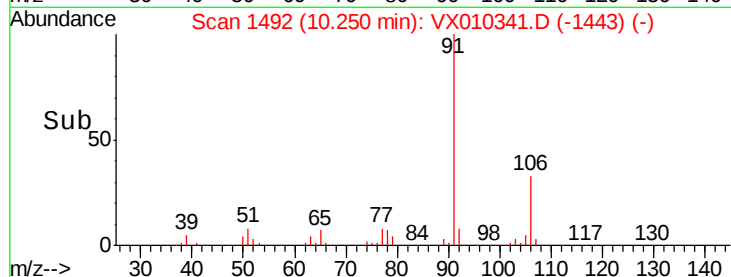
200000

0

10.20

10.30

Time-->



#68

m/p-Xylenes

Concen: 104.841 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX010341.D

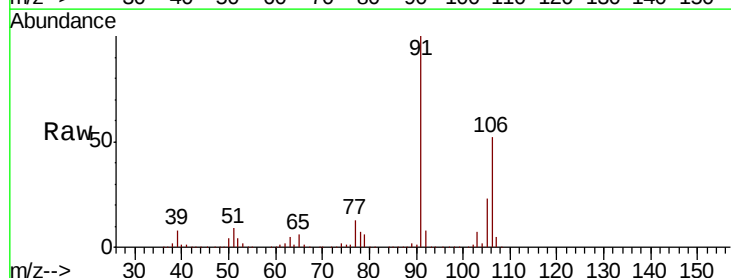
Acq: 18 Jun 2019 16:42

Tgt Ion: 106 Resp: 540122

Ion Ratio Lower Upper

106 100

91 194.4 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

800000

600000

400000

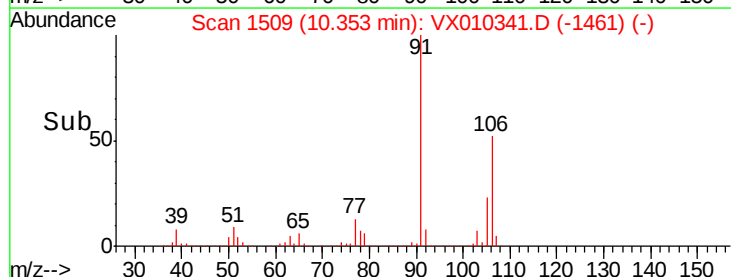
200000

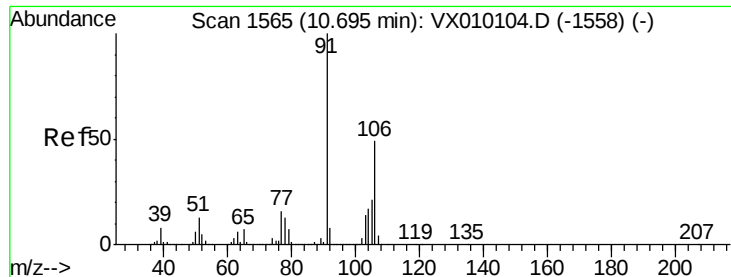
0

10.30

10.40

Time-->

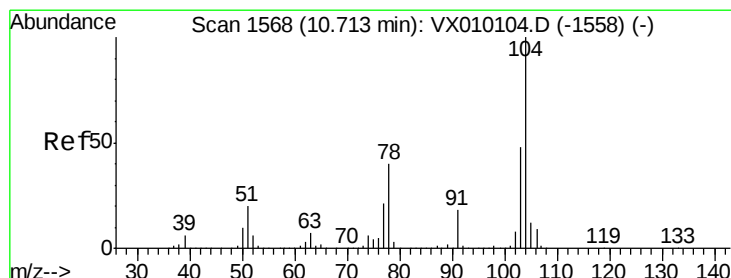
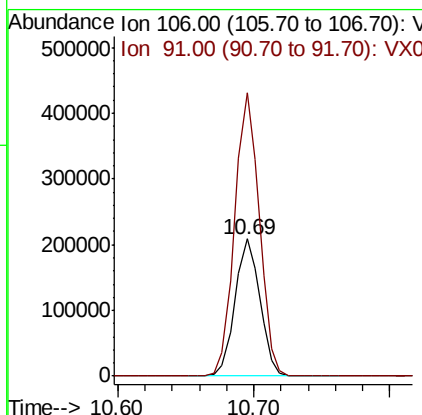
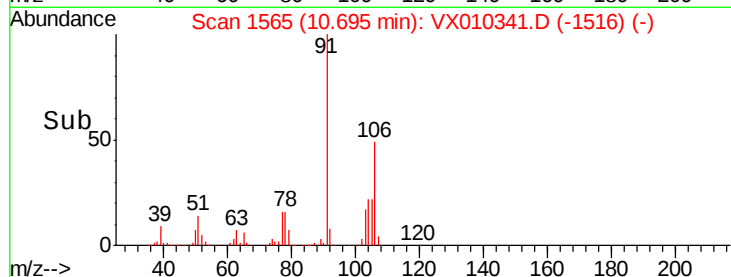
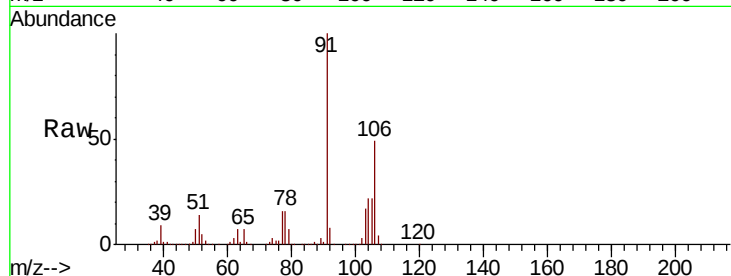




#69
o-Xylene
Concen: 51.862 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

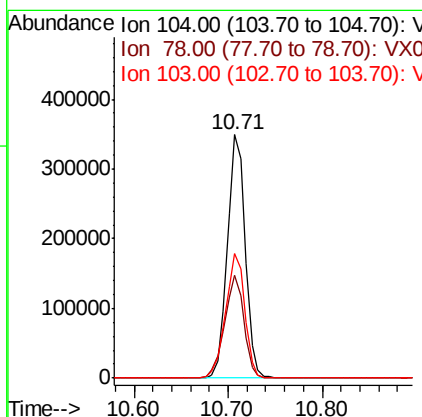
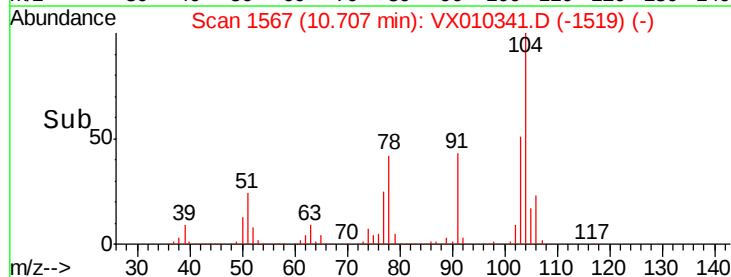
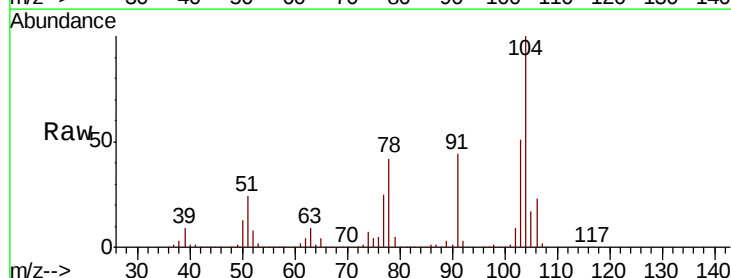
Instrument :
MSVOA_X
ClientSampled :

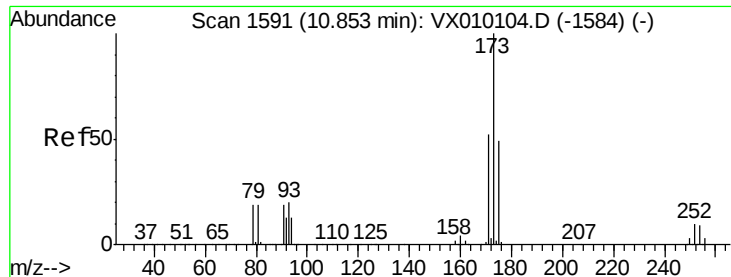
Tot Ion:106 Resp: 265592
Ion Ratio Lower Upper
106 100
91 204.7 110.4 331.2



#70
Styrene
Concen: 53.190 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Tgt Ion:104 Resp: 461343
Ion Ratio Lower Upper
104 100
78 45.8 42.1 63.1
103 54.9 44.1 66.1





#71

Bromoform

Concen: 50.974 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

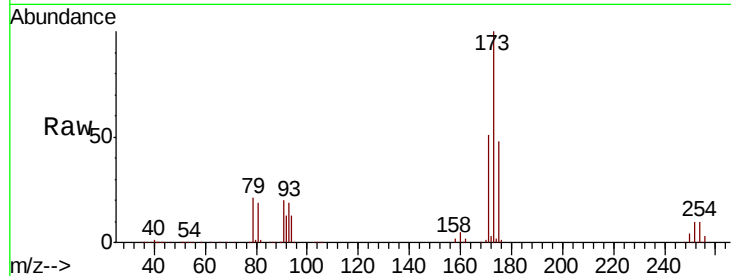
Tot Ion:173 Resp: 140933

Ion Ratio Lower Upper

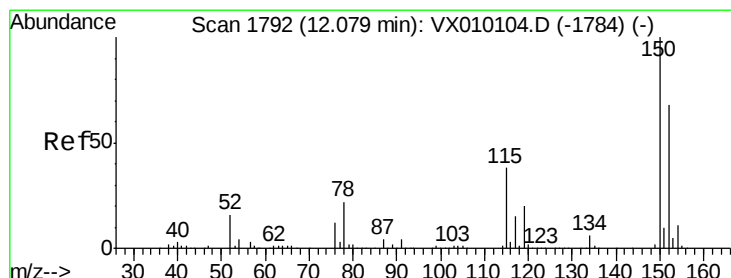
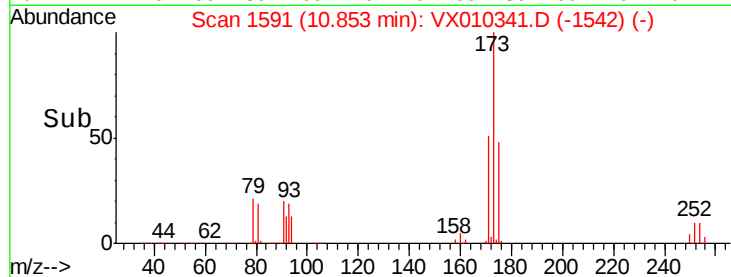
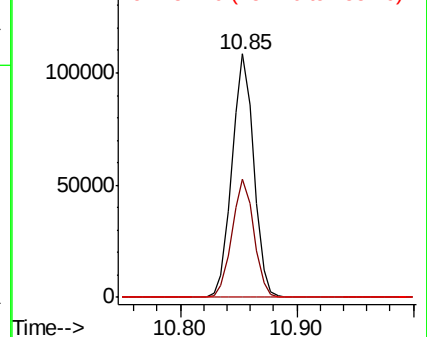
173 100

175 48.9 25.0 75.0

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: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

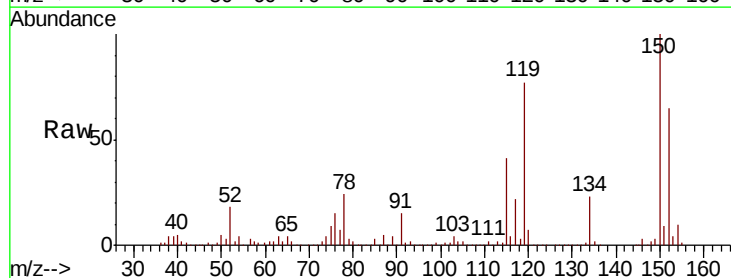
Tgt Ion:152 Resp: 205044

Ion Ratio Lower Upper

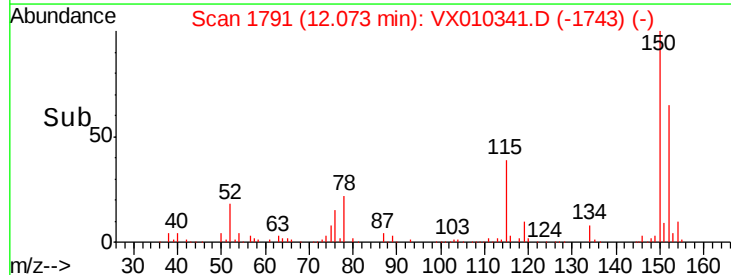
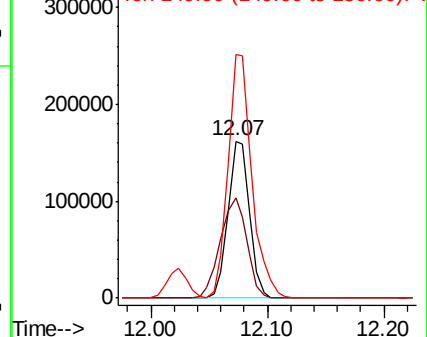
152 100

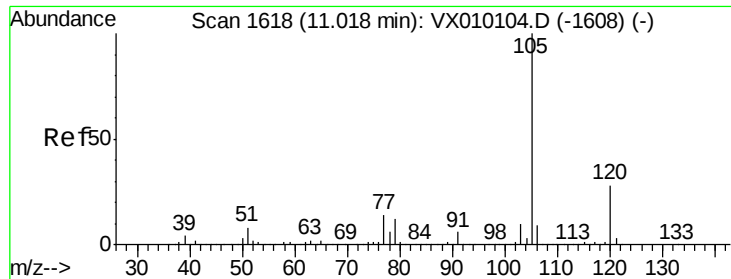
115 79.1 41.4 124.2

150 172.9 0.0 345.2



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: 50.424 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

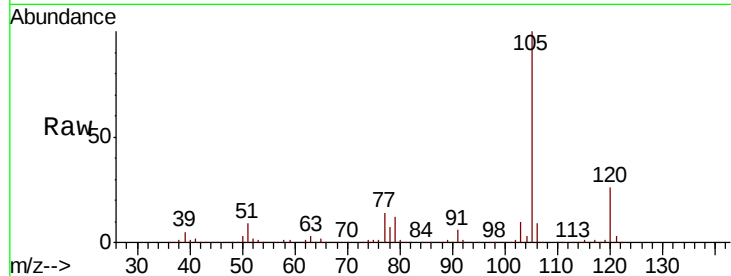
ClientSampleId :

Tot Ion:105 Resp: 721745

Ion Ratio Lower Upper

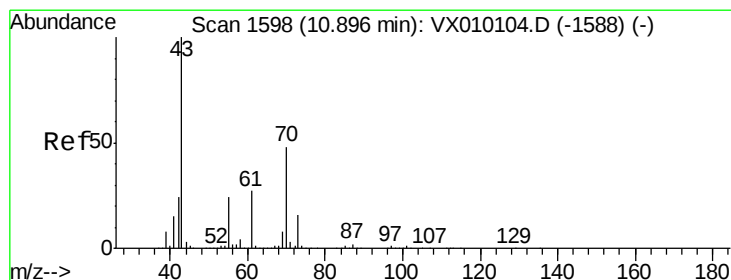
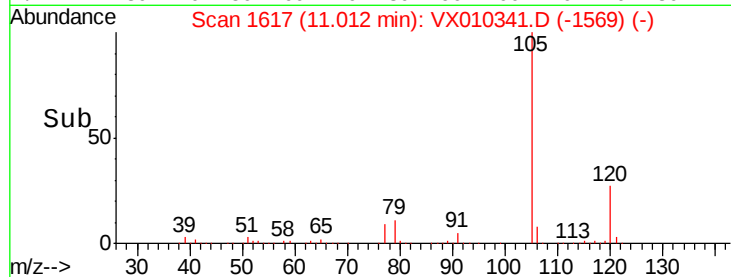
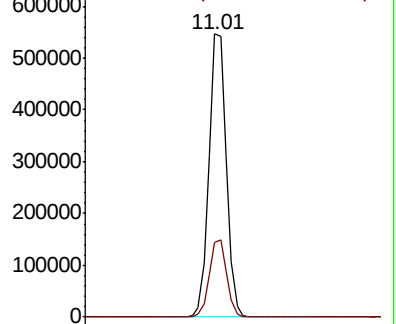
105 100

120 27.3 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.340 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Tgt Ion: 43 Resp: 273511

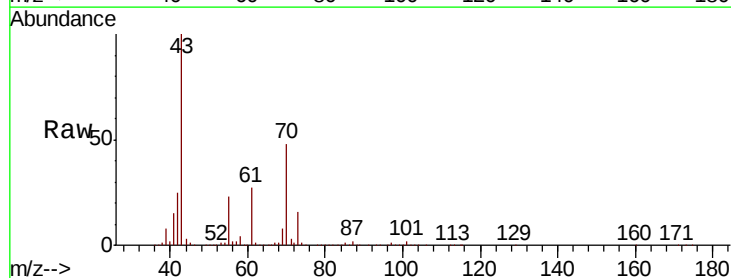
Ion Ratio Lower Upper

43 100

70 46.1 28.6 43.0#

55 23.7 17.8 26.8

61 26.0 17.7 26.5

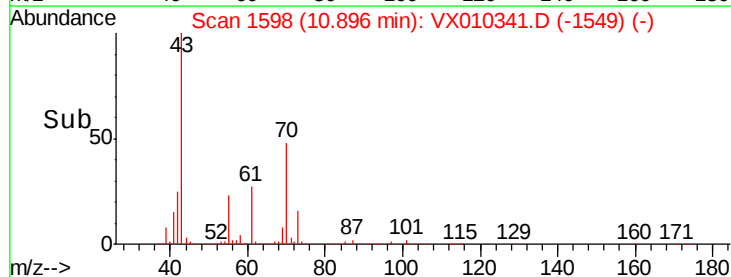
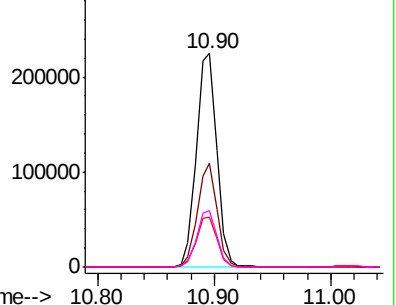


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.272 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

ClientSampled :

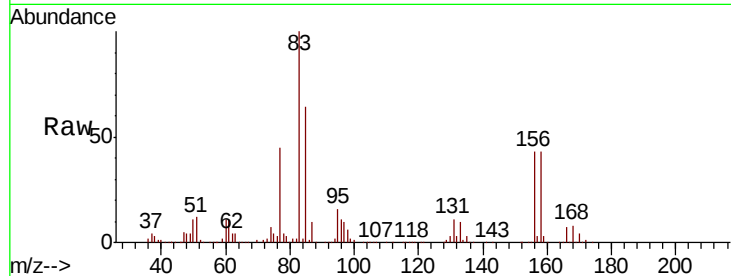
Tot Ion: 83 Resp: 231613

Ion Ratio Lower Upper

83 100

131 11.2 4.7 14.1

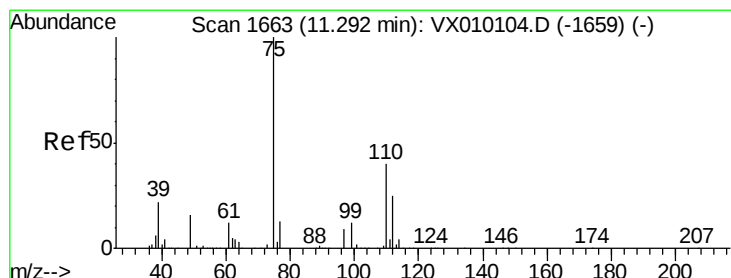
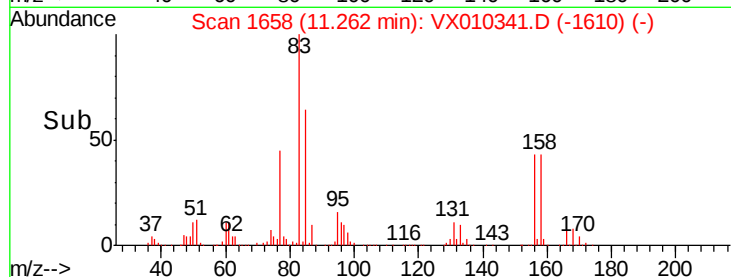
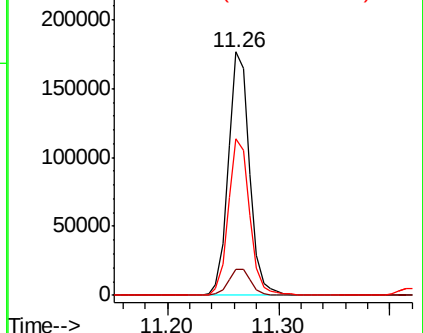
85 64.7 31.9 95.9



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: 64.785 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX010341.D

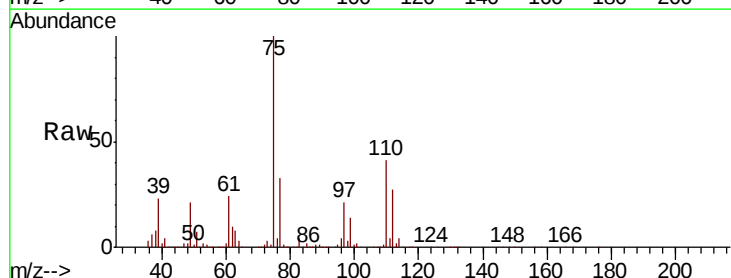
Acq: 18 Jun 2019 16:42

Tgt Ion: 75 Resp: 265702

Ion Ratio Lower Upper

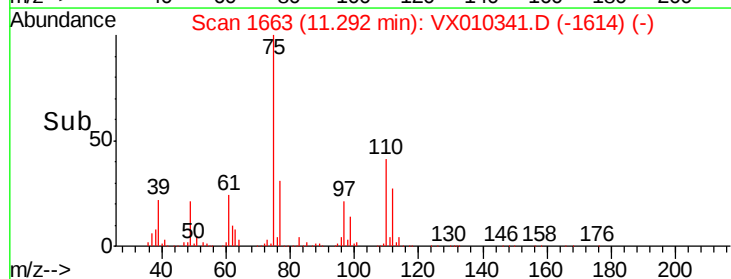
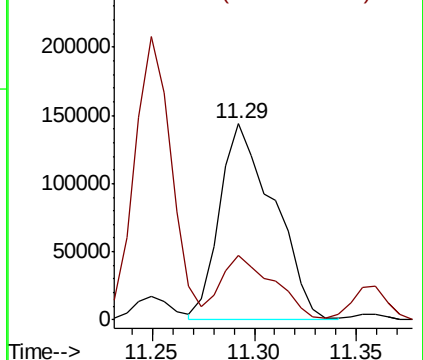
75 100

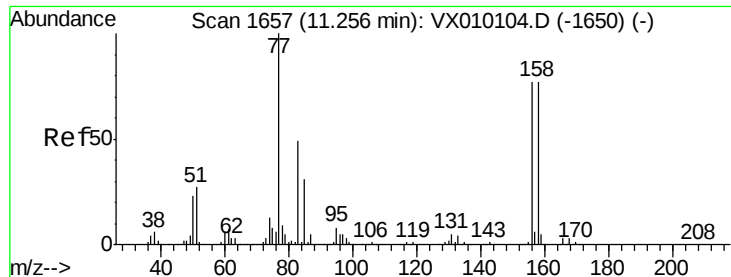
77 32.1 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.917 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

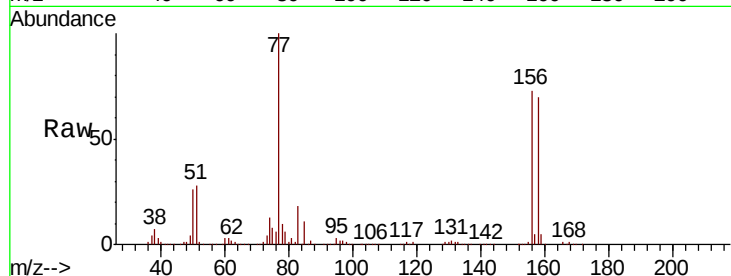
Tot Ion:156 Resp: 196481

Ion Ratio Lower Upper

156 100

77 132.8 86.8 260.3

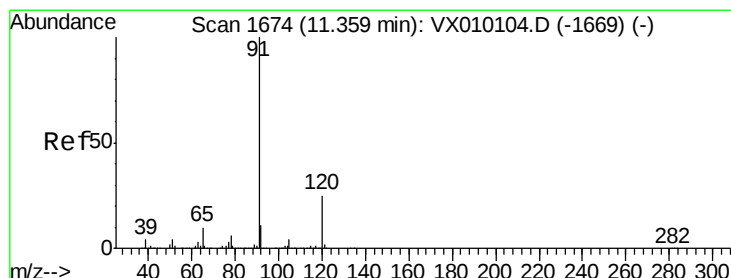
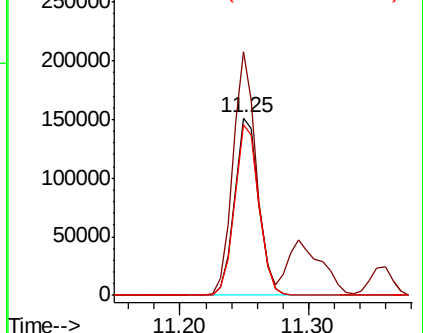
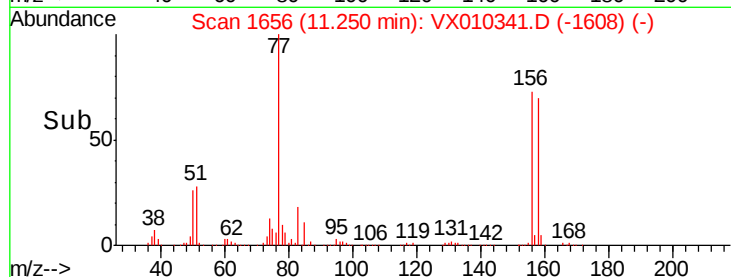
158 96.9 49.6 148.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.657 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010341.D

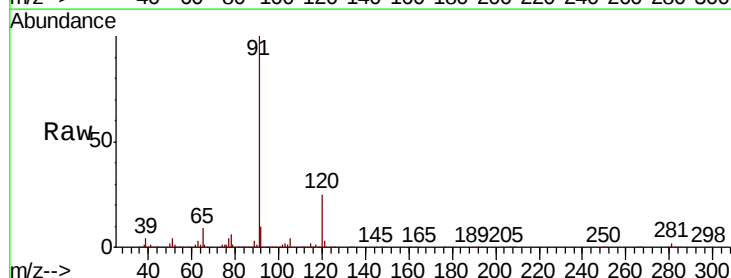
Acq: 18 Jun 2019 16:42

Tgt Ion: 91 Resp: 807214

Ion Ratio Lower Upper

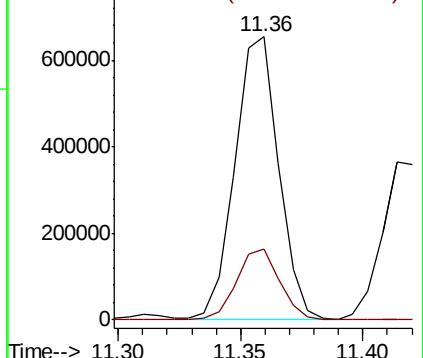
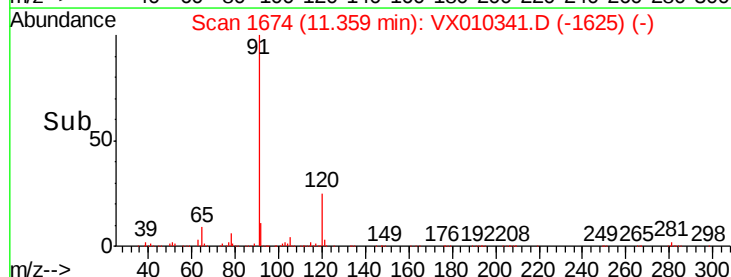
91 100

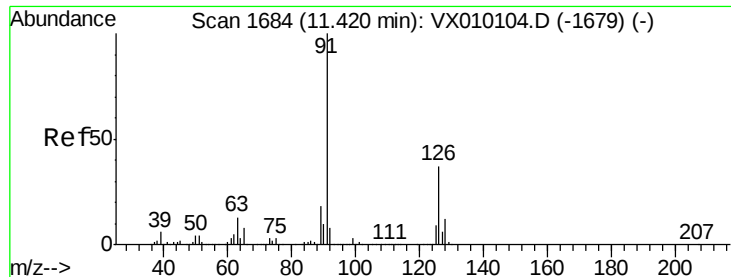
120 24.8 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.131 ug/l

RT: 11.41 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

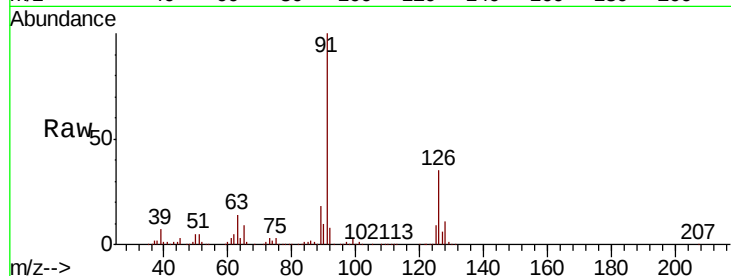
ClientSampleId :

Tot Ion: 91 Resp: 470208

Ion Ratio Lower Upper

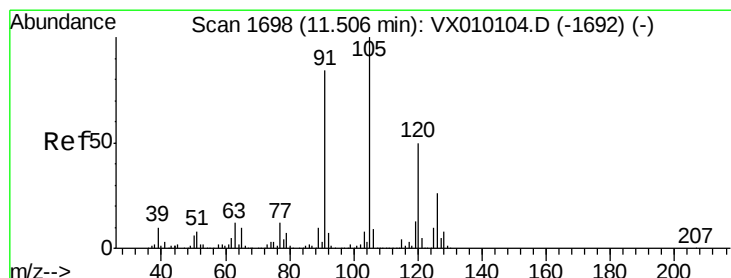
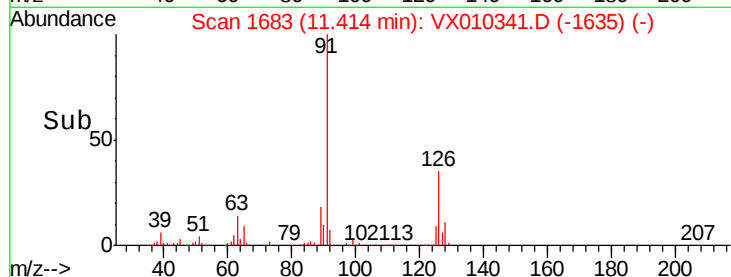
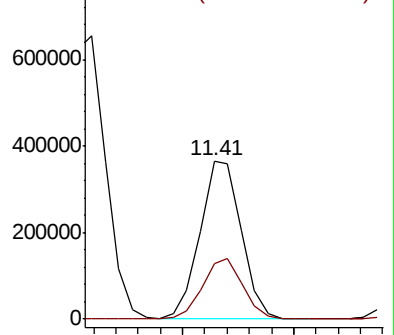
91 100

126 37.1 16.1 48.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 49.922 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010341.D

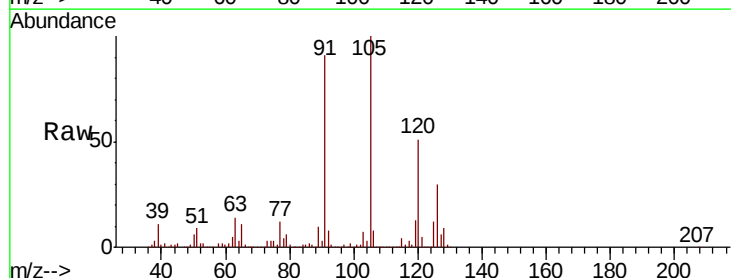
Acq: 18 Jun 2019 16:42

Tgt Ion: 105 Resp: 601851

Ion Ratio Lower Upper

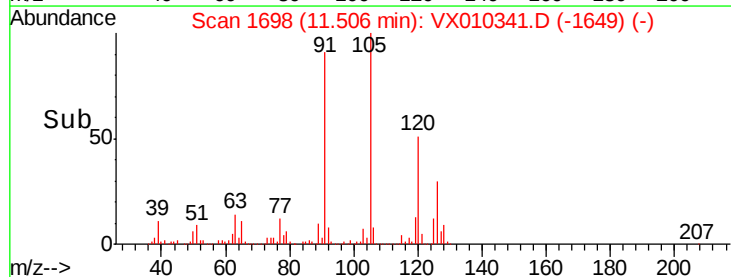
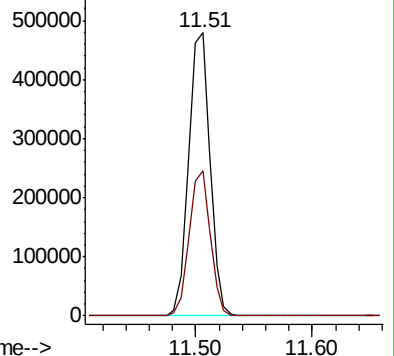
105 100

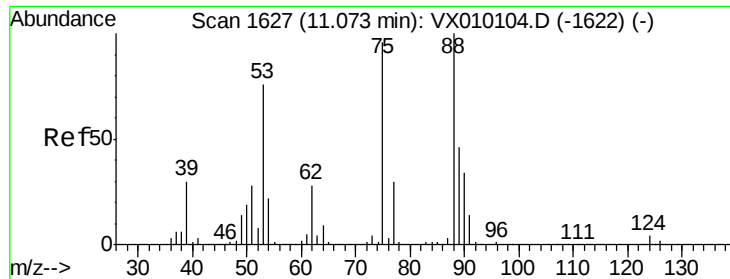
120 50.4 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 45.687 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

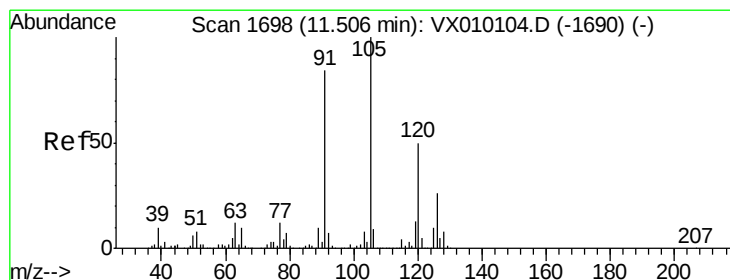
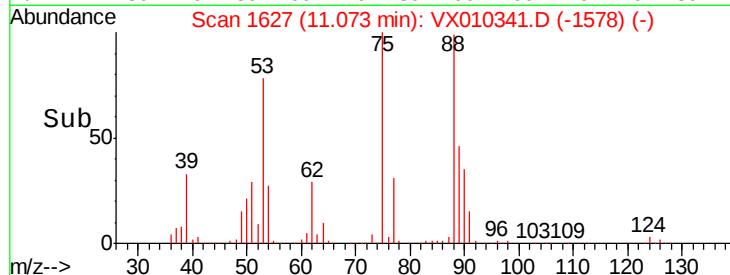
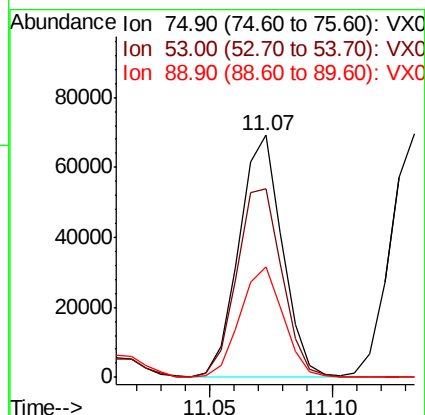
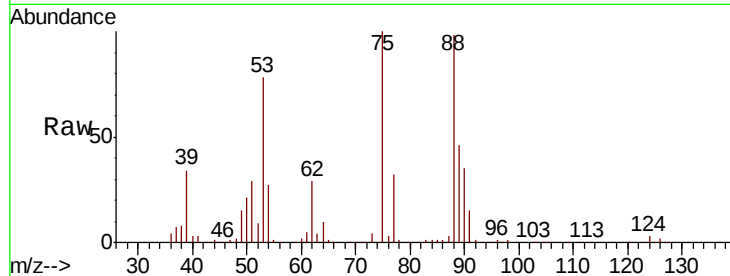
Tot Ion: 75 Resp: 84807

Ion Ratio Lower Upper

75 100

53 82.7 79.8 119.6

89 46.0 34.2 51.4



#82

4-Chlorotoluene

Concen: 50.273 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010341.D

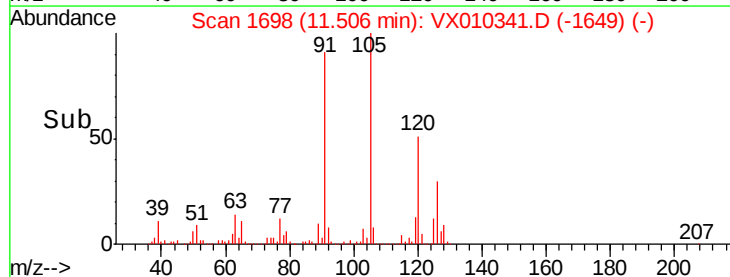
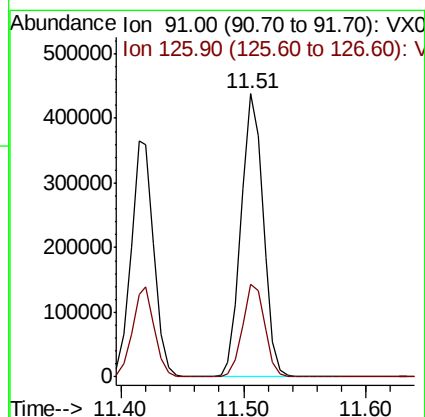
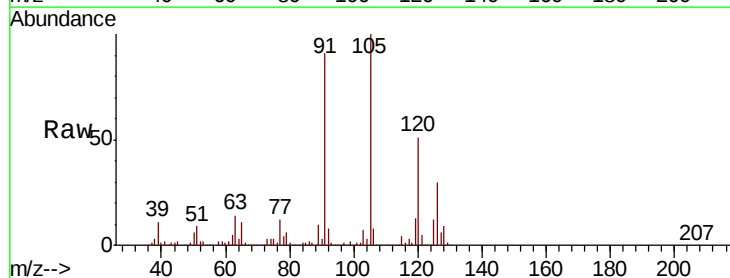
Acq: 18 Jun 2019 16:42

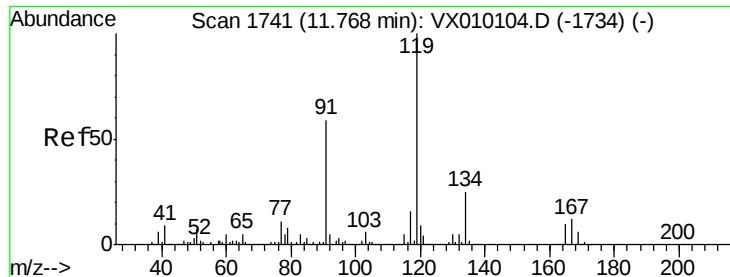
Tgt Ion: 91 Resp: 546558

Ion Ratio Lower Upper

91 100

126 32.8 14.2 42.6





#83

tert-Butylbenzene

Concen: 49.965 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

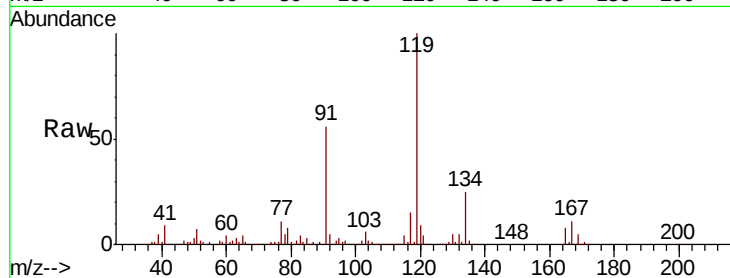
Tot Ion:119 Resp: 609676

Ion Ratio Lower Upper

119 100

91 54.6 30.0 90.0

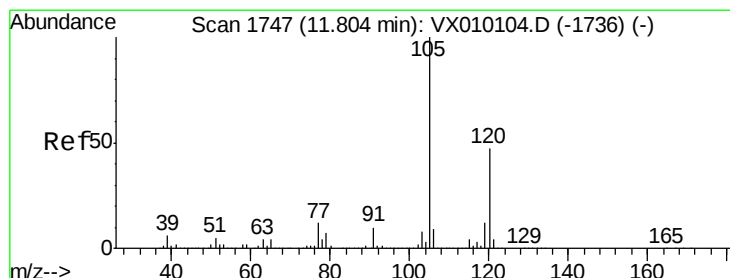
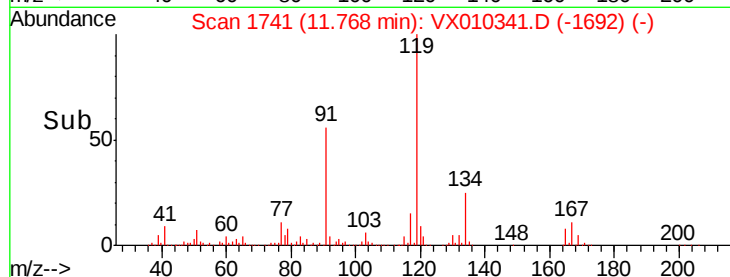
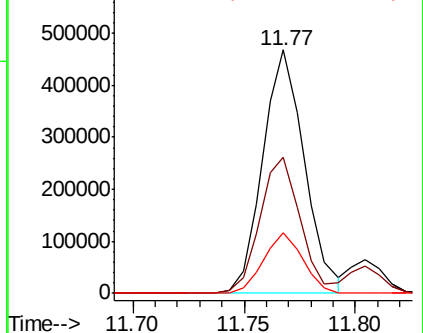
134 23.5 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.511 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX010341.D

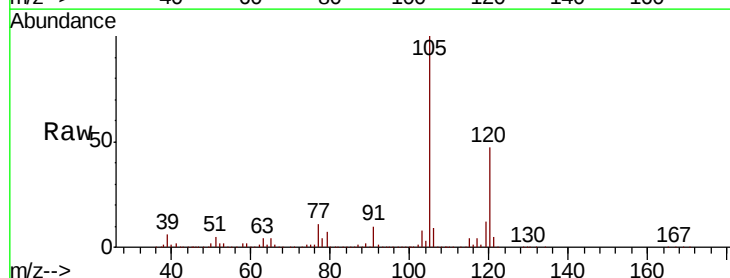
Acq: 18 Jun 2019 16:42

Tgt Ion:105 Resp: 615090

Ion Ratio Lower Upper

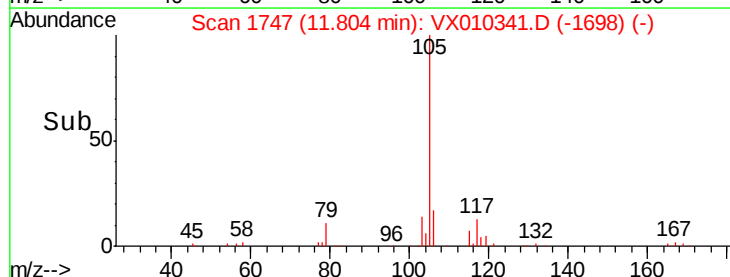
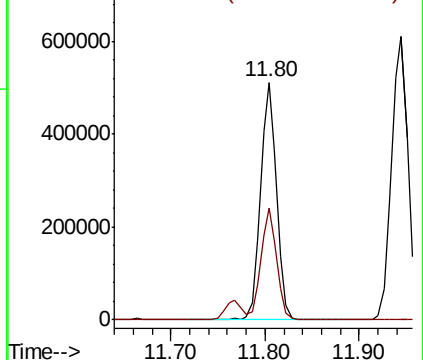
105 100

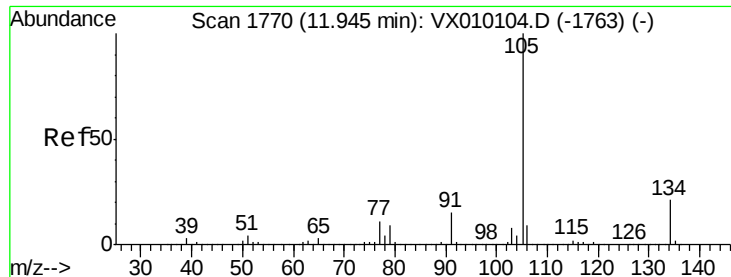
120 46.1 22.1 66.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.118 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

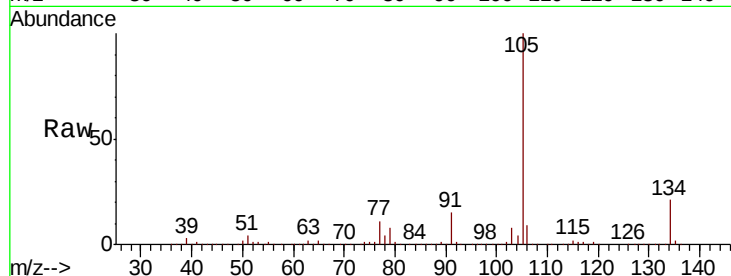
ClientSampleId :

Tot Ion:105 Resp: 740904

Ion Ratio Lower Upper

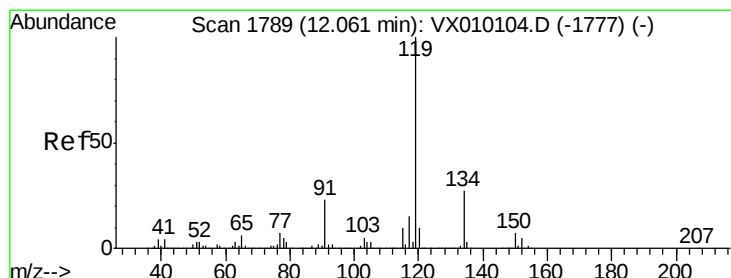
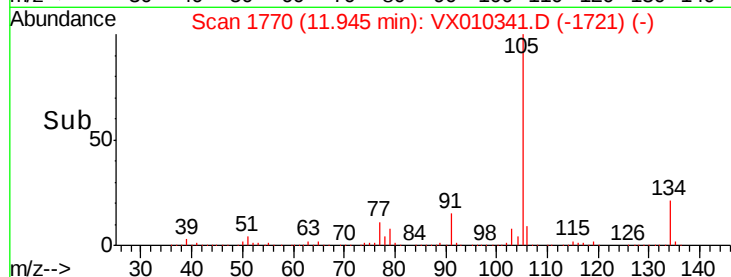
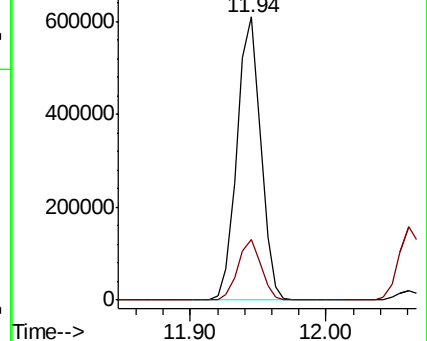
105 100

134 21.0 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.208 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

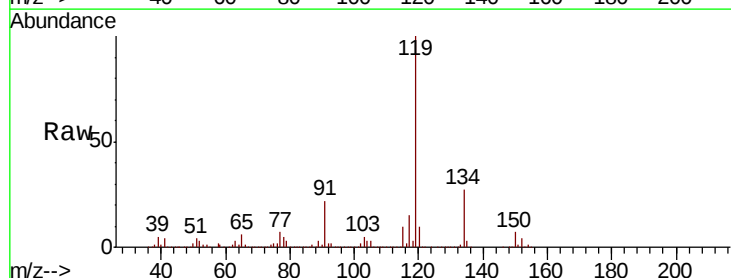
Tgt Ion:119 Resp: 678497

Ion Ratio Lower Upper

119 100

134 27.4 12.9 38.6

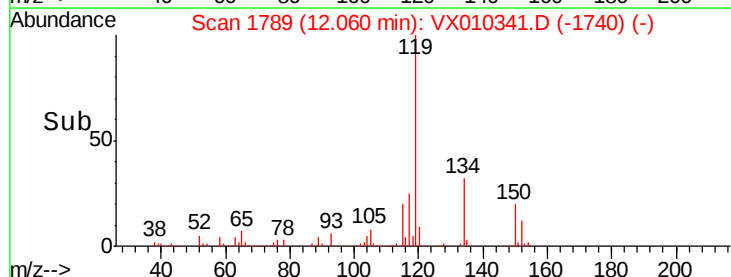
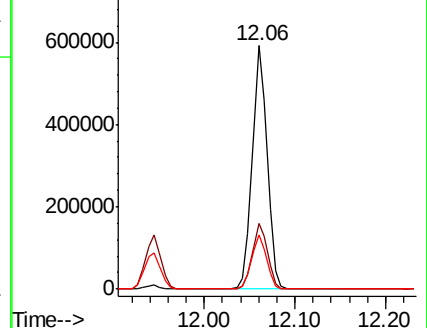
91 22.4 11.9 35.9

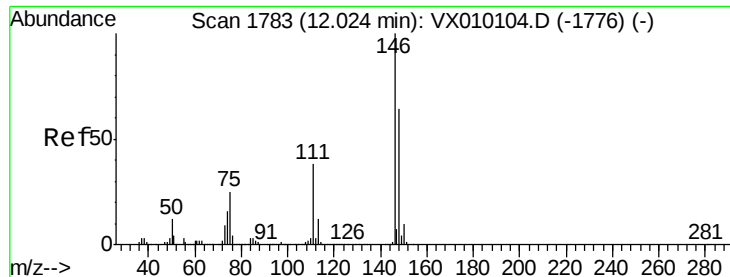


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 51.173 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

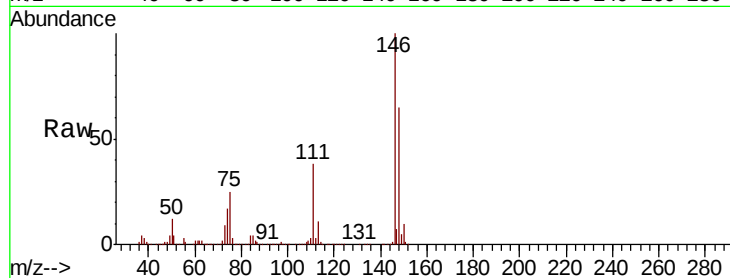
Tot Ion:146 Resp: 354788

Ion Ratio Lower Upper

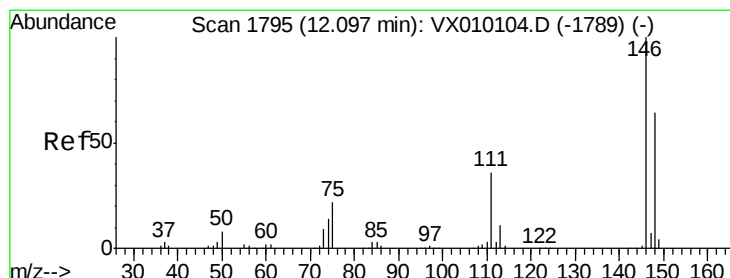
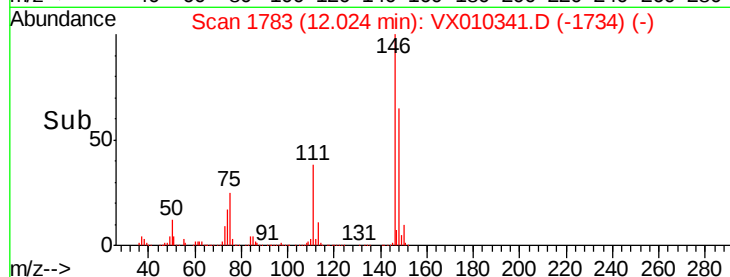
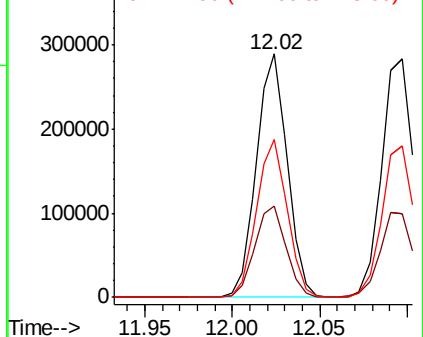
146 100

111 38.0 20.1 60.2

148 64.5 31.9 95.5



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



#88

1,4-Dichlorobenzene

Concen: 51.271 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

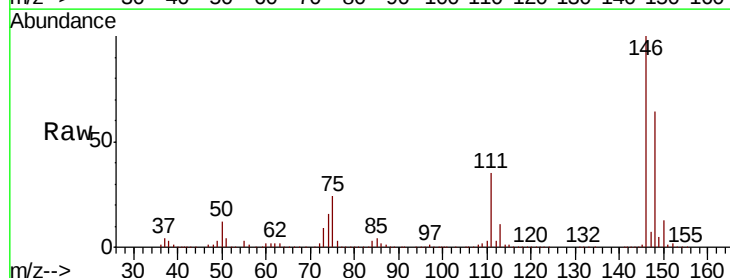
Tgt Ion:146 Resp: 358335

Ion Ratio Lower Upper

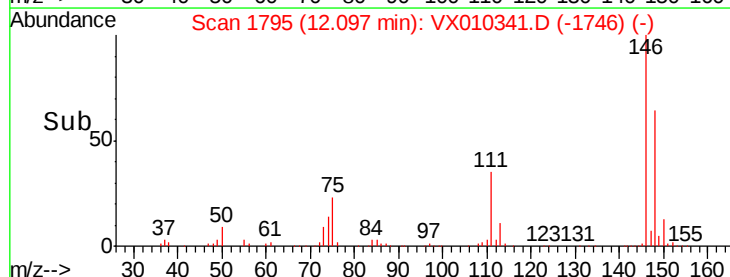
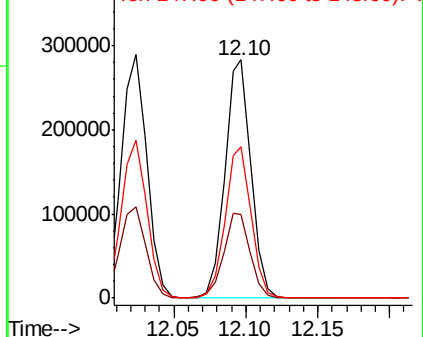
146 100

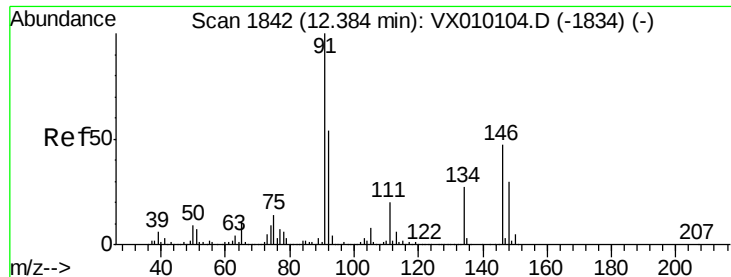
111 36.5 20.0 59.9

148 63.5 32.3 96.9



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





#89

n-Butylbenzene

Concen: 54.174 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

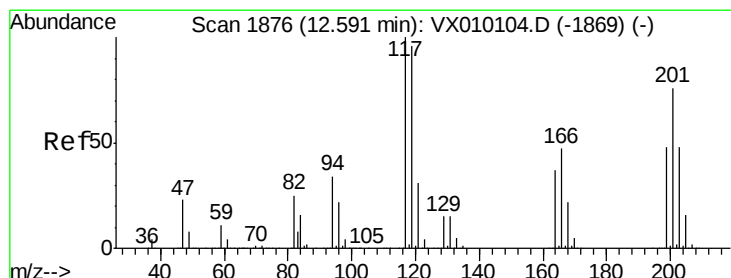
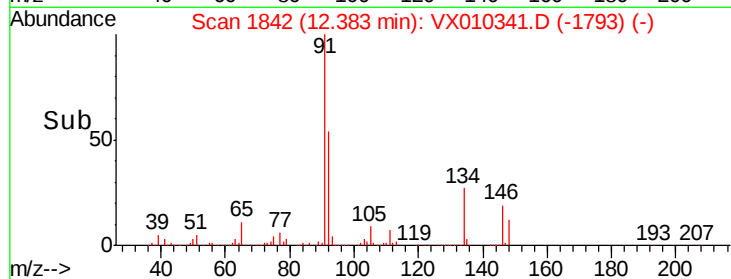
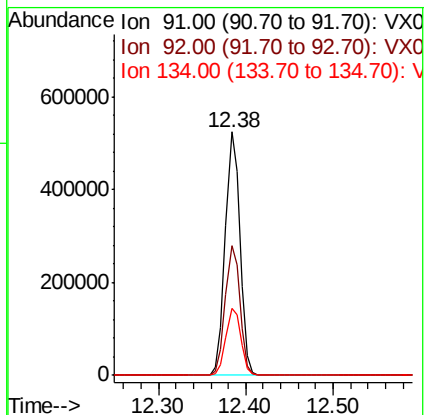
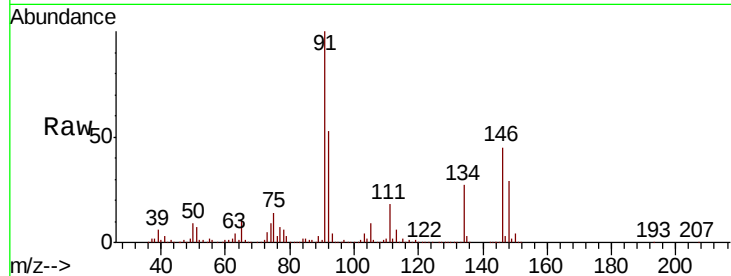
Tot Ion: 91 Resp: 606037

Ion Ratio Lower Upper

91 100

92 53.5 26.3 78.8

134 28.2 12.3 36.8



#90

Hexachloroethane

Concen: 48.230 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VX010341.D

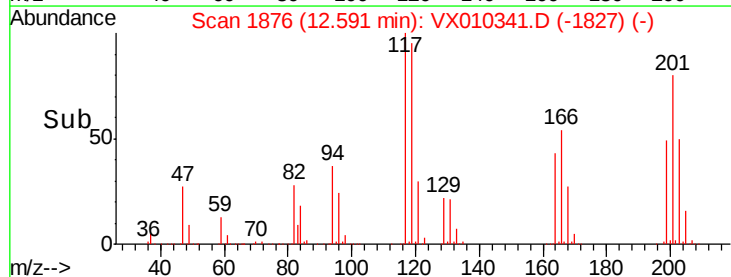
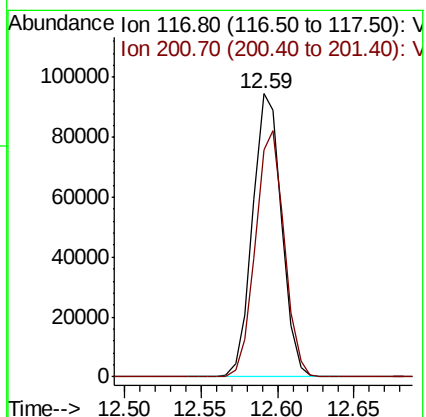
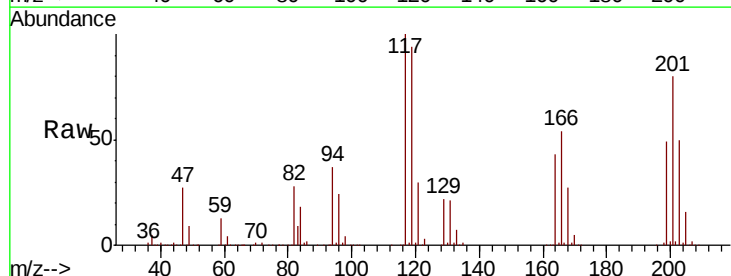
Acq: 18 Jun 2019 16:42

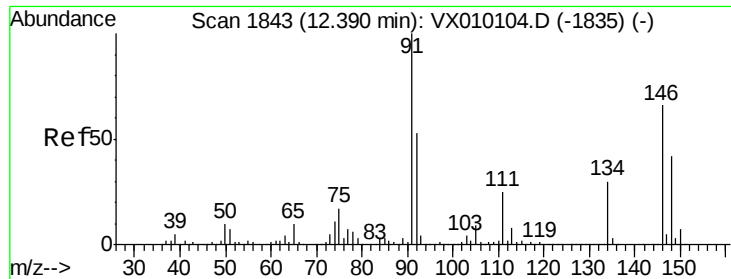
Tgt Ion: 117 Resp: 124861

Ion Ratio Lower Upper

117 100

201 86.6 43.6 130.9





#91

1,2-Dichlorobenzene

Concen: 52.115 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

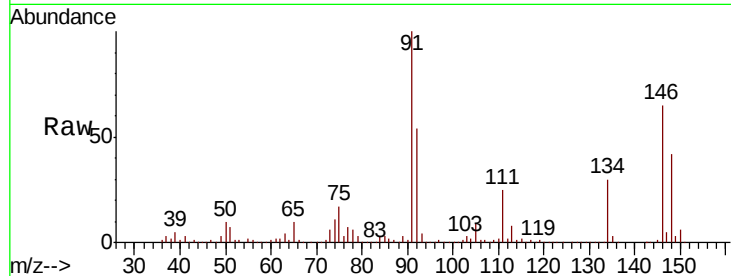
Tot Ion:146 Resp: 351272

Ion Ratio Lower Upper

146 100

111 38.5 21.1 63.1

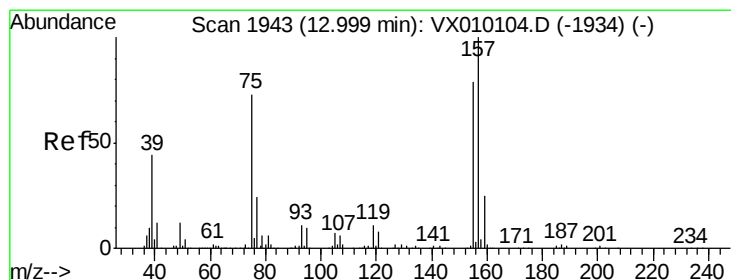
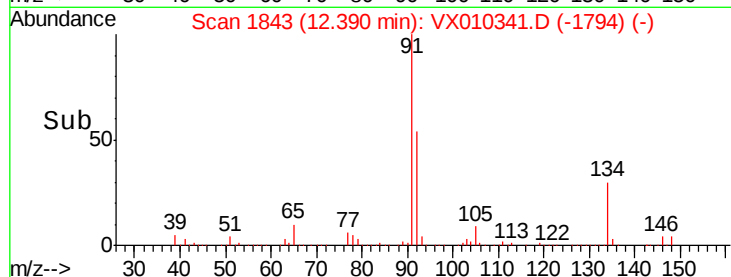
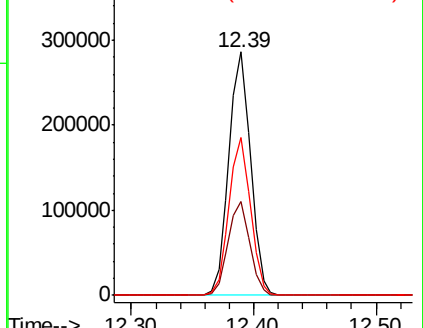
148 64.2 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.280 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

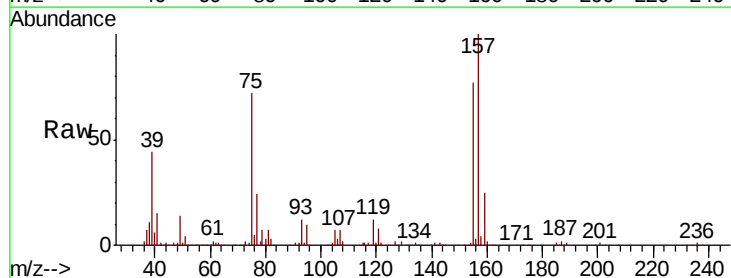
Tgt Ion: 75 Resp: 51053

Ion Ratio Lower Upper

75 100

155 102.6 39.3 117.8

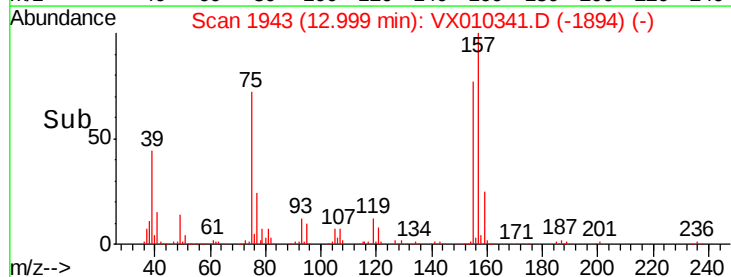
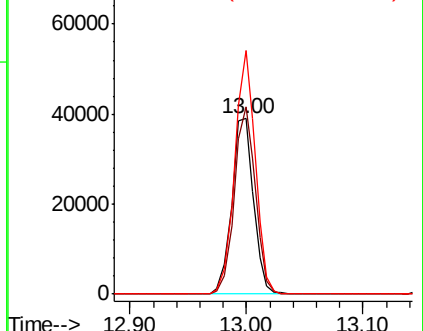
157 130.2 50.6 151.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

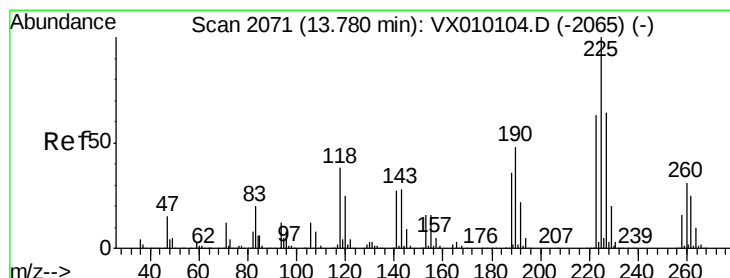
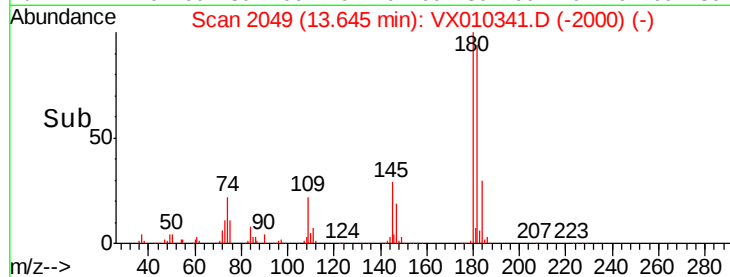
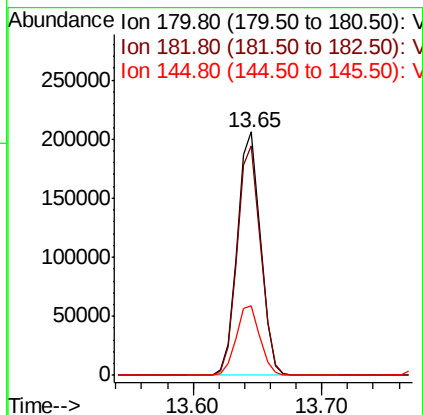
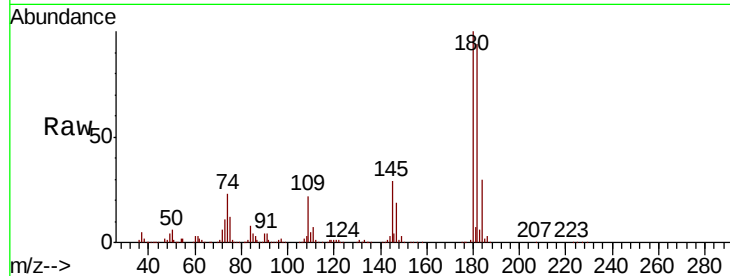




#93
 1,2,4-Trichlorobenzene
 Concen: 52.496 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX010341.D
 Acq: 18 Jun 2019 16:42

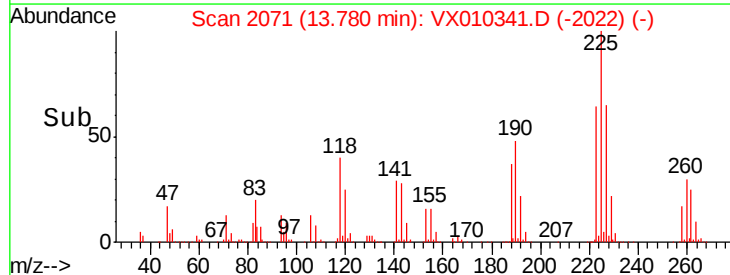
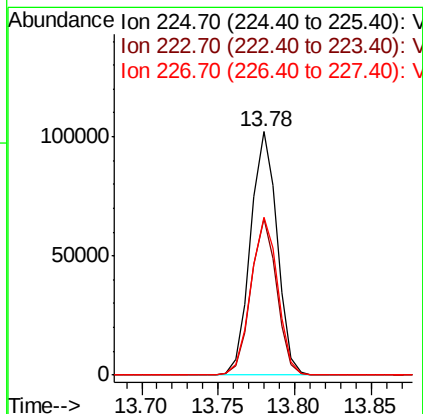
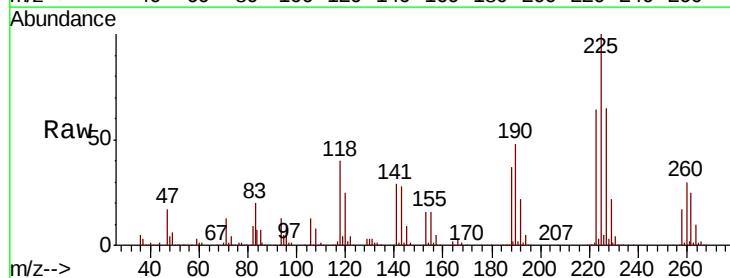
Instrument :
 MSVOA_X
 ClientSampled :

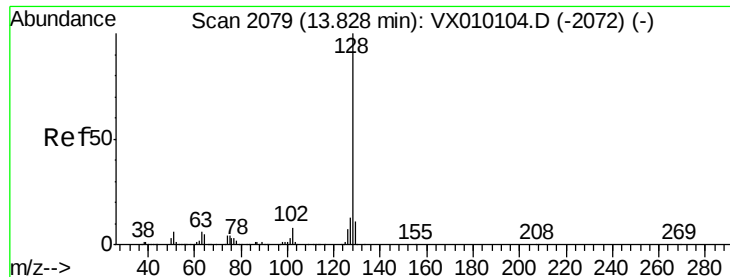
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.4	142.2
145	29.3	14.5	43.5



#94
 Hexachlorobutadiene
 Concen: 56.259 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX010341.D
 Acq: 18 Jun 2019 16:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.3	93.8
227	65.2	32.3	96.8





#95

Naphthalene

Concen: 49.800 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.00 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

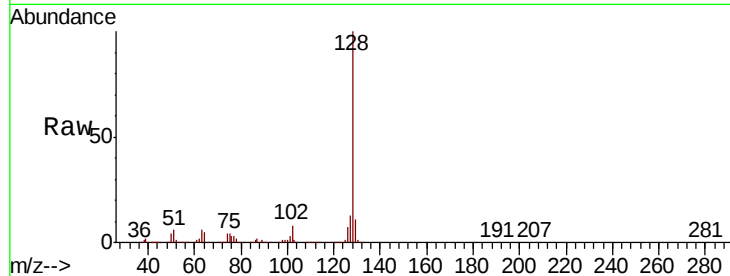
Tot Ion:128 Resp: 773463

Ion Ratio Lower Upper

128 100

127 12.9 10.6 16.0

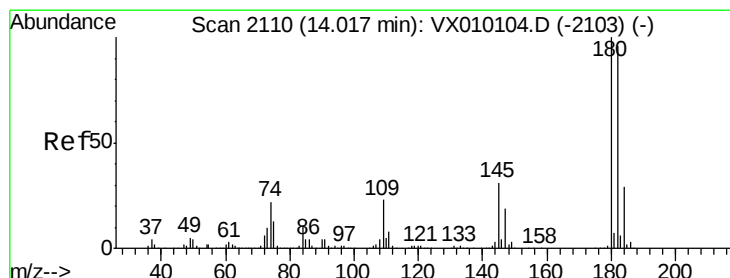
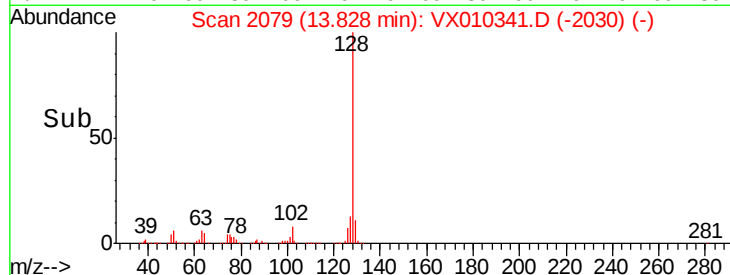
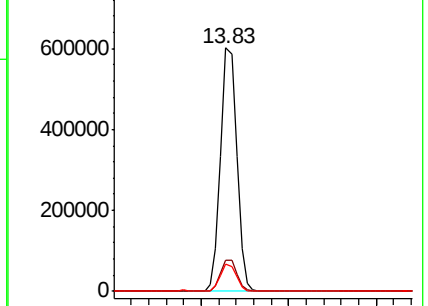
129 11.0 8.8 13.2



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: 51.767 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

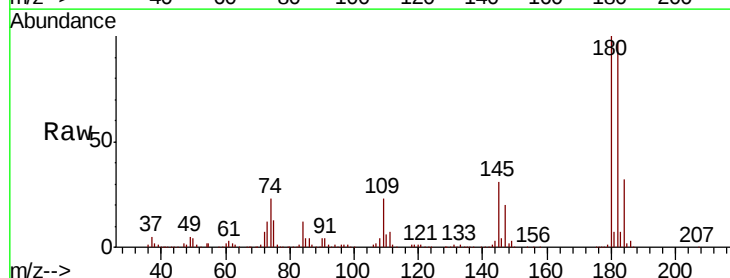
Tgt Ion:180 Resp: 252536

Ion Ratio Lower Upper

180 100

182 96.7 47.3 142.0

145 31.1 15.6 46.7



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

