

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071619\
 Data File : VX010902.D
 Acq On : 16 Jul 2019 10:53
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Quant Time: Jul 17 04:09:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 04:02:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	229422	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	340379	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	312329	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	166496	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	117545	53.62	ug/l	0.00
Spiked Amount						
			Recovery	=	107.24%	
35) Dibromofluoromethane	5.50	113	107157	51.36	ug/l	0.00
Spiked Amount						
			Recovery	=	102.72%	
50) Toluene-d8	8.71	98	407071	51.10	ug/l	0.00
Spiked Amount						
			Recovery	=	102.20%	
62) 4-Bromofluorobenzene	11.13	95	151804	52.45	ug/l	0.00
Spiked Amount						
			Recovery	=	104.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	121719	69.761	ug/l	100
3) Chloromethane	1.33	50	105361	55.132	ug/l	100
4) Vinyl Chloride	1.41	62	111337	53.347	ug/l	100
5) Bromomethane	1.64	94	57020	55.130	ug/l	100
6) Chloroethane	1.72	64	68292	54.983	ug/l	100
7) Trichlorofluoromethane	1.93	101	182692	55.203	ug/l	100
8) Diethyl Ether	2.19	74	60651	51.841	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	101564	51.249	ug/l	100
10) Methyl Iodide	2.51	142	144225	51.728	ug/l	100
11) Tert butyl alcohol	3.05	59	132264	235.361	ug/l	100
12) 1,1-Dichloroethene	2.37	96	102855	51.210	ug/l	100
13) Acrolein	2.29	56	79499	216.637	ug/l	100
14) Allyl chloride	2.73	41	147093	51.704	ug/l	100
15) Acrylonitrile	3.14	53	279102	250.036	ug/l	100
16) Acetone	2.45	43	270300	252.335	ug/l	100
17) Carbon Disulfide	2.57	76	264837	49.459	ug/l	100
18) Methyl Acetate	2.78	43	114717	52.563	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	317392	50.427	ug/l	100
20) Methylene Chloride	2.85	84	111574	49.970	ug/l	100
21) trans-1,2-Dichloroethene	3.17	96	106939	49.733	ug/l	100
22) Diisopropyl ether	3.85	45	302817	50.860	ug/l	100
23) Vinyl Acetate	3.82	43	1352835	263.385	ug/l	100
24) 1,1-Dichloroethane	3.70	63	174642	50.834	ug/l	100
25) 2-Butanone	4.67	43	395655	250.892	ug/l	100
26) 2,2-Dichloropropane	4.58	77	146638	49.324	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	120192	48.676	ug/l	100
28) Bromochloromethane	5.01	49	81441	49.646	ug/l	100
29) Tetrahydrofuran	5.13	42	246528	251.090	ug/l	100
30) Chloroform	5.21	83	187015	50.526	ug/l	100
31) Cyclohexane	5.58	56	160361	51.092	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	168264	51.484	ug/l	100
36) 1,1-Dichloropropene	5.80	75	137998	50.636	ug/l	100
37) Ethyl Acetate	4.83	43	146846	52.519	ug/l	100
38) Carbon Tetrachloride	5.79	117	146413	50.057	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	178789	50.087	ug/l	100
40) Benzene	6.14	78	423166	50.171	ug/l	100
41) Methacrylonitrile	5.04	41	76200	49.938	ug/l	100
42) 1,2-Dichloroethane	6.19	62	142444	54.690	ug/l	100
43) Isopropyl Acetate	6.45	43	233488	50.652	ug/l	100
44) Trichloroethene	7.21	130	124014	49.249	ug/l	100
45) 1,2-Dichloropropane	7.51	63	106332	49.877	ug/l	100
46) Dibromomethane	7.66	93	77279	50.492	ug/l	100
47) Bromodichloromethane	7.90	83	140452	50.327	ug/l	100
48) Methyl methacrylate	7.77	41	112684	52.439	ug/l	100
49) 1,4-Dioxane	7.74	88	62800	1015.858	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	770328	260.210	ug/l	100
52) Toluene	8.78	92	278092	50.097	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	155233	49.726	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	172704	50.755	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	113817	49.843	ug/l	100
56) Ethyl methacrylate	9.18	69	175778	50.811	ug/l	100
57) 1,3-Dichloropropane	9.37	76	180533	50.723	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	414805	253.331	ug/l	100
59) 2-Hexanone	9.49	43	614227	263.608	ug/l	100
60) Dibromochloromethane	9.58	129	124466	49.001	ug/l	100
61) 1,2-Dibromoethane	9.67	107	123898	50.198	ug/l	100
64) Tetrachloroethene	9.34	164	117727	46.794	ug/l	100
65) Chlorobenzene	10.13	112	307063	48.527	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	115458	50.115	ug/l	100
67) Ethyl Benzene	10.25	91	542616	50.510	ug/l	100
68) m/p-Xylenes	10.36	106	416503	100.304	ug/l	100
69) o-Xylene	10.69	106	203862	49.862	ug/l	100
70) Styrene	10.71	104	350252	51.101	ug/l	100
71) Bromoform	10.85	173	94605	48.031	ug/l	# 100
73) Isopropylbenzene	11.02	105	543824	48.277	ug/l	100
74) N-amyl acetate	10.90	43	218897	51.331	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	180716	48.497	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	201110	66.412	ug/l	83
77) Bromobenzene	11.26	156	149031	47.477	ug/l	100
78) n-propylbenzene	11.36	91	615705	49.689	ug/l	100
79) 2-Chlorotoluene	11.42	91	363308	49.168	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	467929	50.245	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	55310	43.971	ug/l	100
82) 4-Chlorotoluene	11.51	91	424086	50.379	ug/l	100
83) tert-Butylbenzene	11.77	119	456888	49.013	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	470323	50.350	ug/l	100
85) sec-Butylbenzene	11.94	105	541496	49.470	ug/l	100
86) p-Isopropyltoluene	12.06	119	503188	49.691	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	262963	47.911	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	266845	47.695	ug/l	100
89) n-Butylbenzene	12.38	91	437759	50.790	ug/l	100
90) Hexachloroethane	12.59	117	80097	46.665	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	261976	47.997	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	38959	48.276	ug/l	100

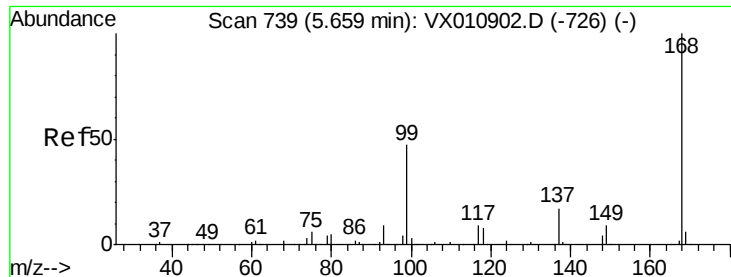
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	181758	48.189	ug/l	100
94) Hexachlorobutadiene	13.78	225	87725	47.674	ug/l	100
95) Naphthalene	13.83	128	549460	47.713	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	179874	48.072	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX010902.D

Acq: 16 Jul 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

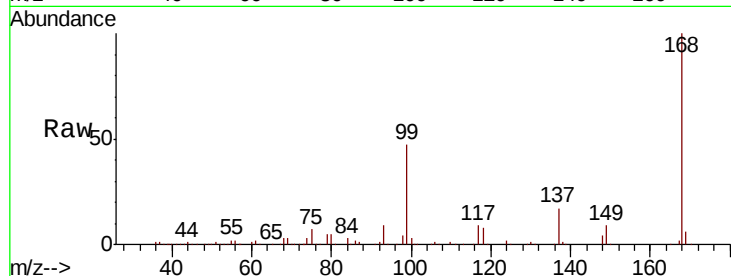
VSTDICCC050

Tot Ion:168 Resp: 229422

Ion Ratio Lower Upper

168 100

99 47.0 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

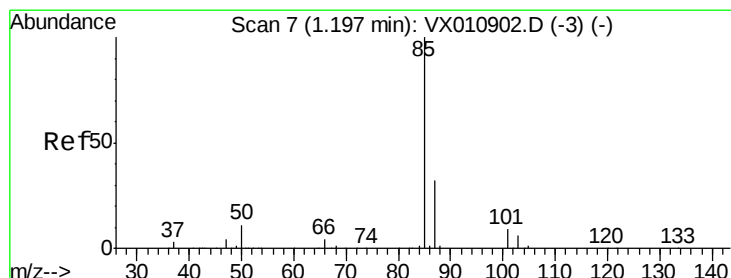
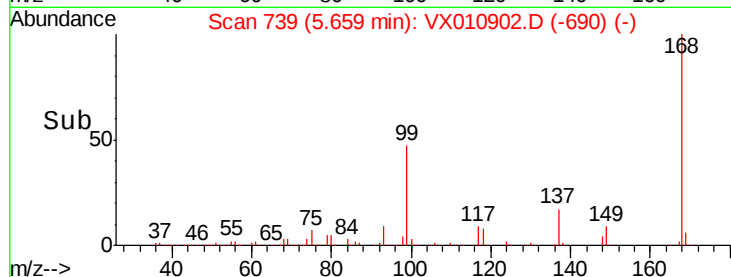
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 69.761 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010902.D

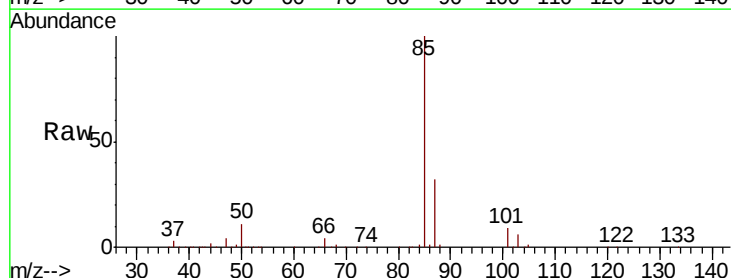
Acq: 16 Jul 2019 10:53

Tgt Ion: 85 Resp: 121719

Ion Ratio Lower Upper

85 100

87 31.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

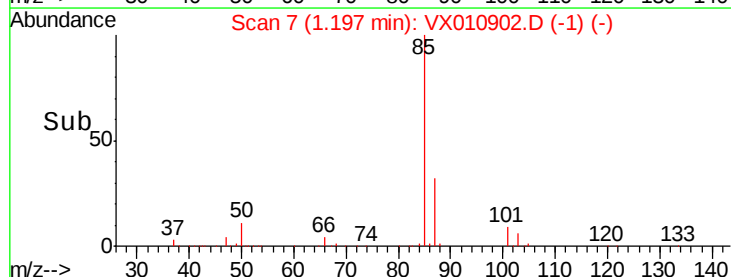
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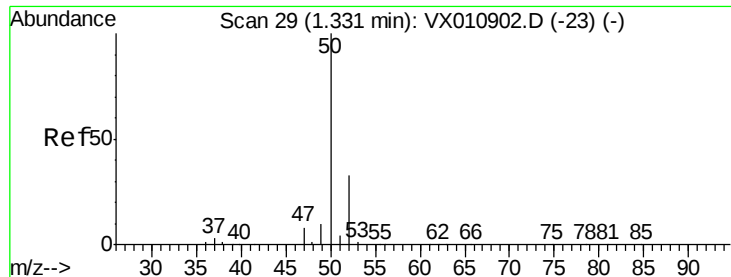
50000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 55.132 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX010902.D

Acq: 16 Jul 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

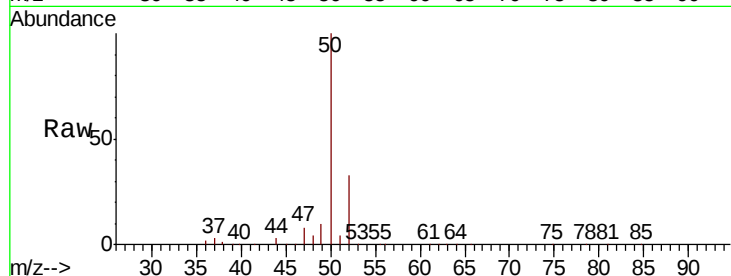
VSTDICCC050

Tot Ion: 50 Resp: 105361

Ion Ratio Lower Upper

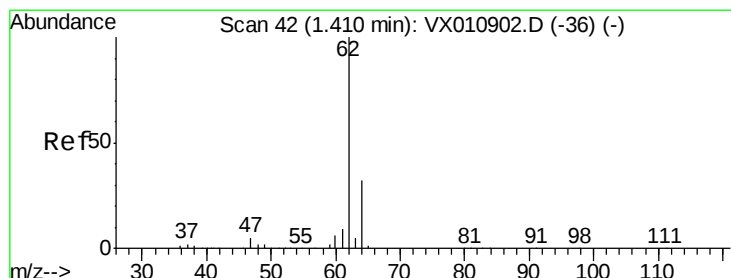
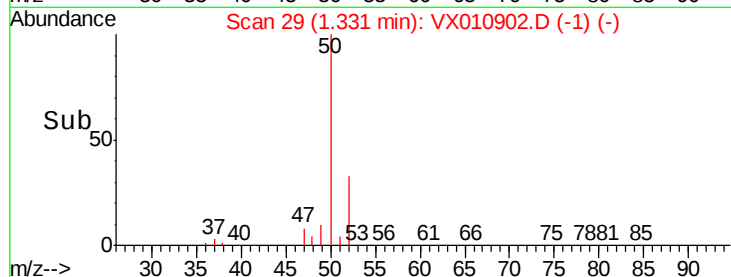
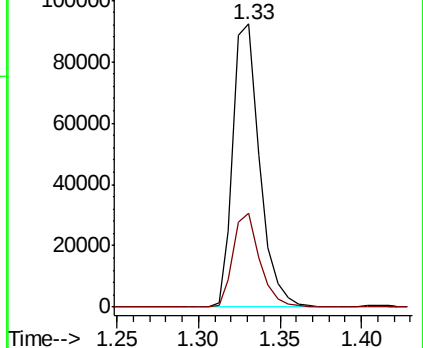
50 100

52 33.0 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 53.347 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010902.D

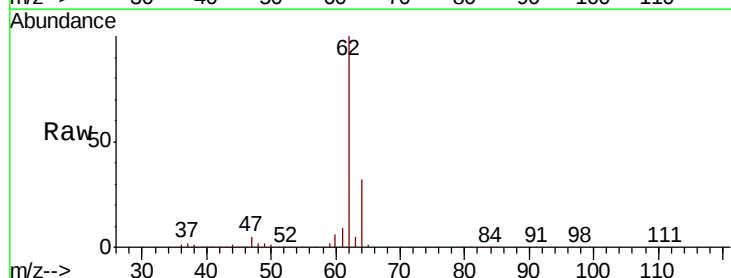
Acq: 16 Jul 2019 10:53

Tgt Ion: 62 Resp: 111337

Ion Ratio Lower Upper

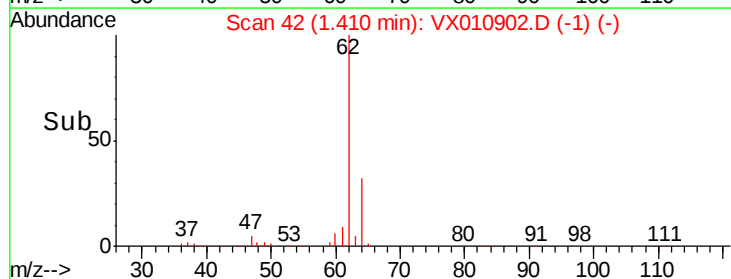
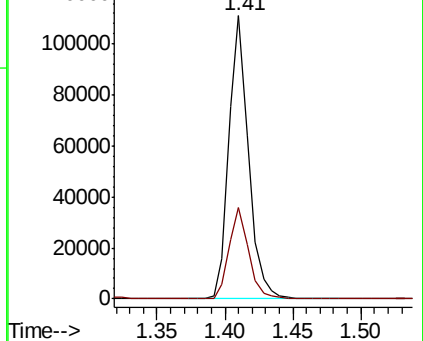
62 100

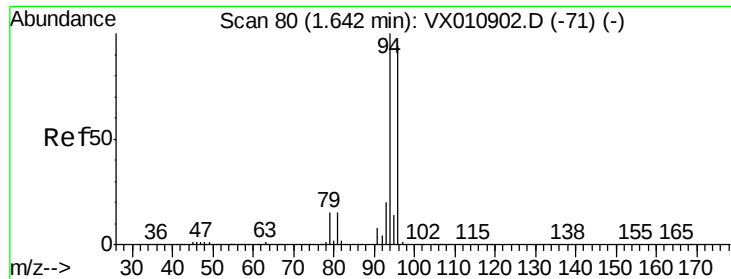
64 32.1 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 55.130 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX010902.D

Acq: 16 Jul 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

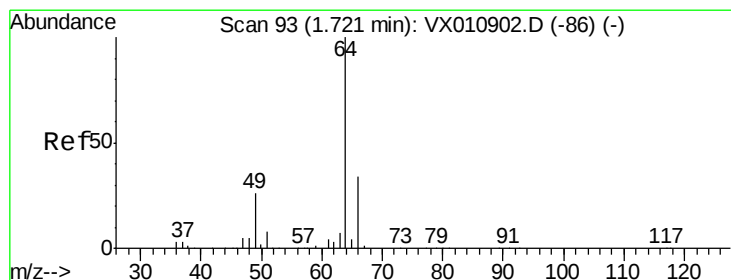
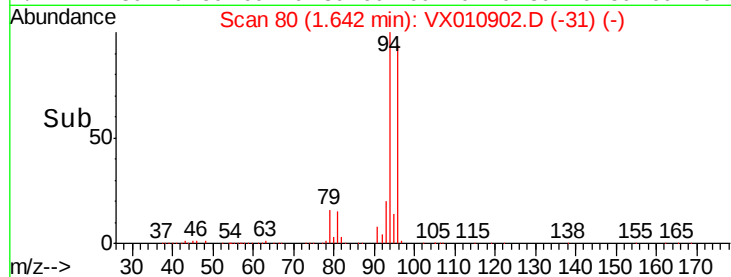
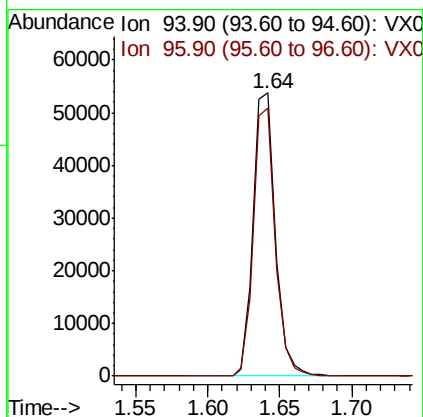
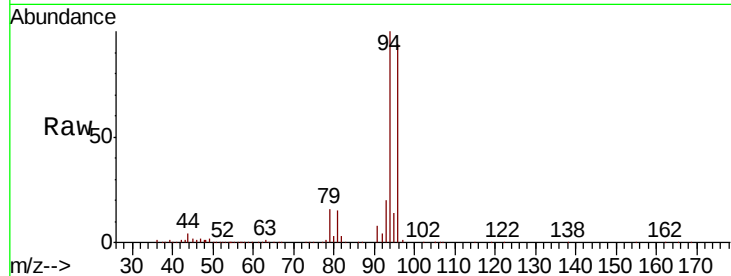
VSTDICCC050

Tot Ion: 94 Resp: 57020

Ion Ratio Lower Upper

94 100

96 94.5 75.6 113.4



#6

Chloroethane

Concen: 54.983 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX010902.D

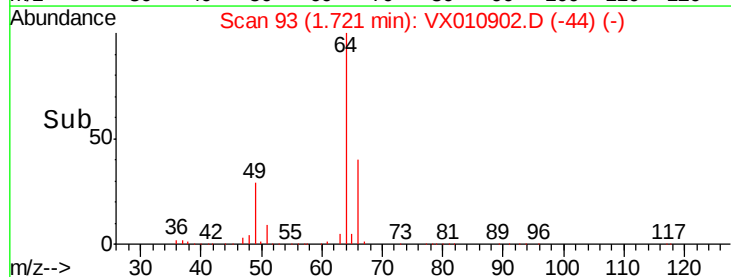
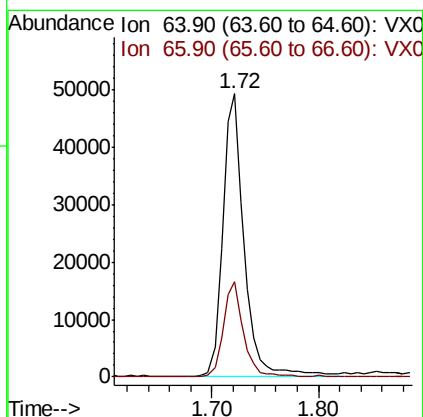
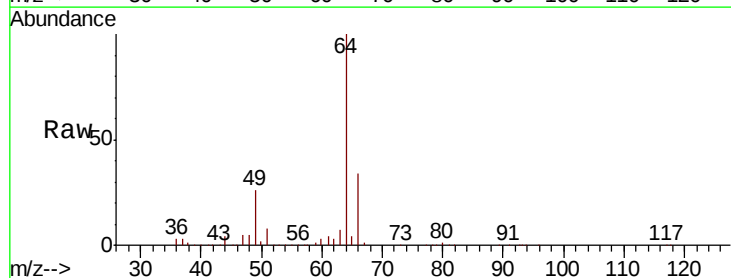
Acq: 16 Jul 2019 10:53

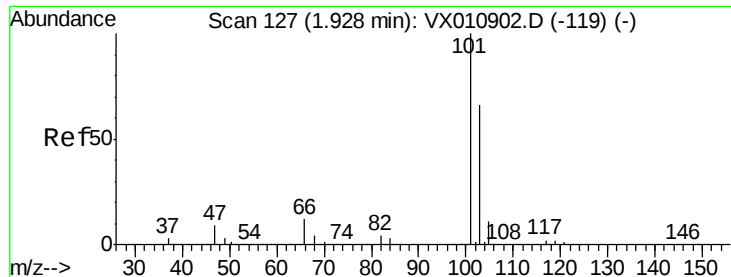
Tgt Ion: 64 Resp: 68292

Ion Ratio Lower Upper

64 100

66 33.8 27.0 40.6



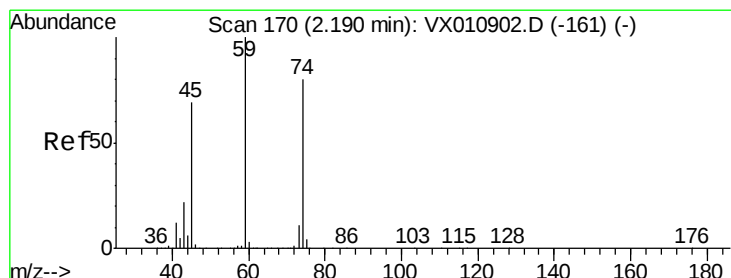
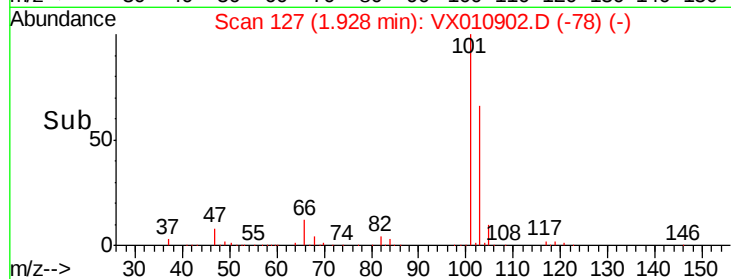
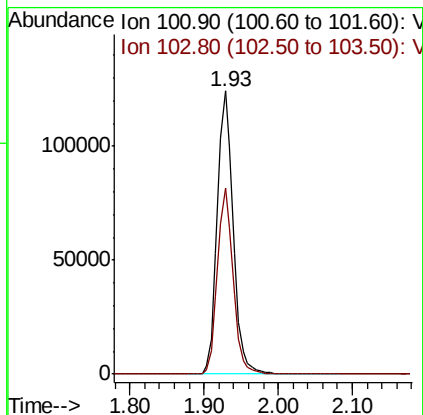
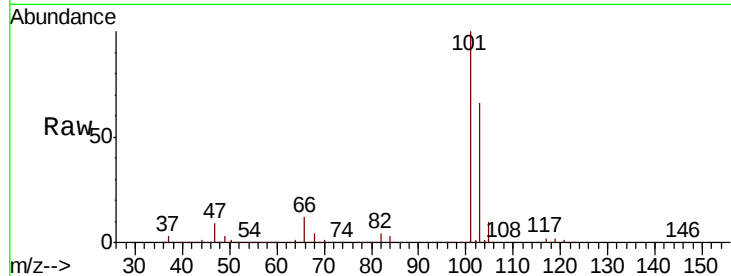


#7

Trichlorofluoromethane
 Concen: 55.203 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.00 min
 Lab File: VX010902.D
 Acq: 16 Jul 2019 10:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

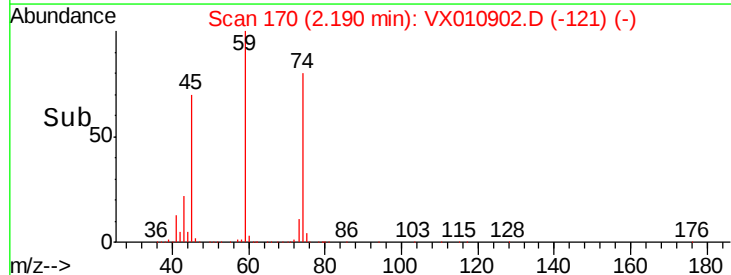
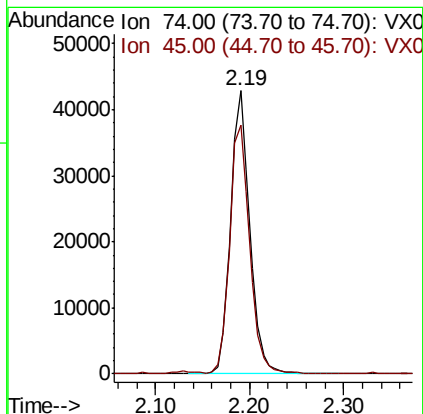
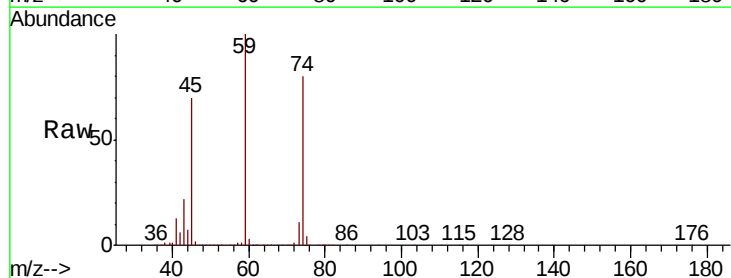
Tot Ion:101 Resp: 182692
 Ion Ratio Lower Upper
 101 100
 103 65.7 52.6 78.8

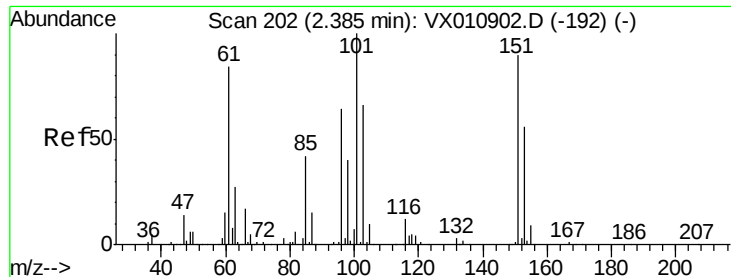


#8

Diethyl Ether
 Concen: 51.841 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX010902.D
 Acq: 16 Jul 2019 10:53

Tgt Ion: 74 Resp: 60651
 Ion Ratio Lower Upper
 74 100
 45 91.0 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.249 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX010902.D

Acq: 16 Jul 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

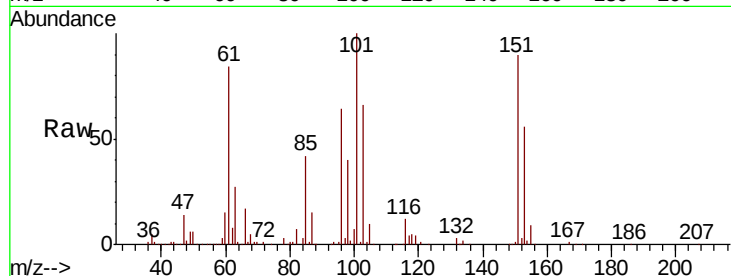
Tot Ion:101 Resp: 101564

Ion Ratio Lower Upper

101 100

85 43.3 34.6 52.0

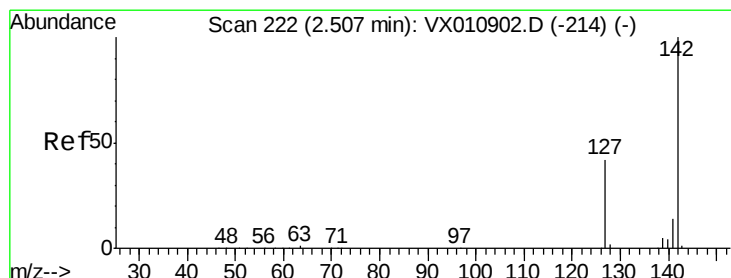
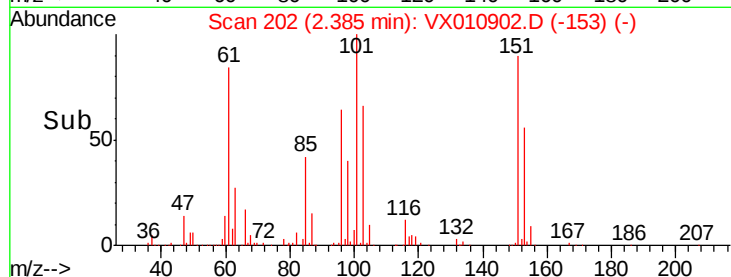
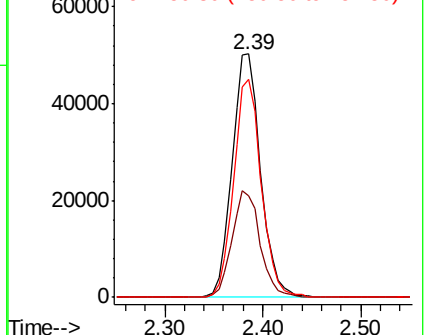
151 87.0 69.6 104.4



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: 51.728 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX010902.D

Acq: 16 Jul 2019 10:53

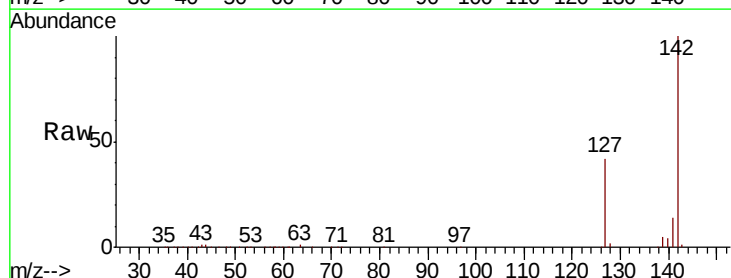
Tgt Ion:142 Resp: 144225

Ion Ratio Lower Upper

142 100

127 42.8 34.2 51.4

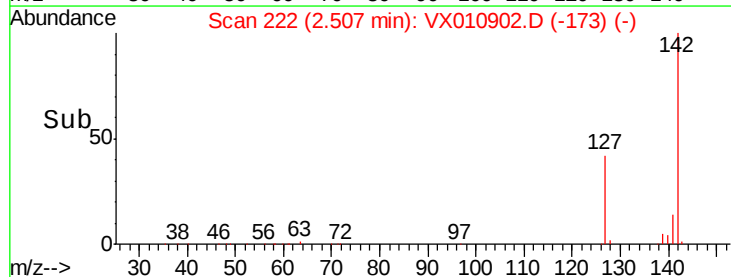
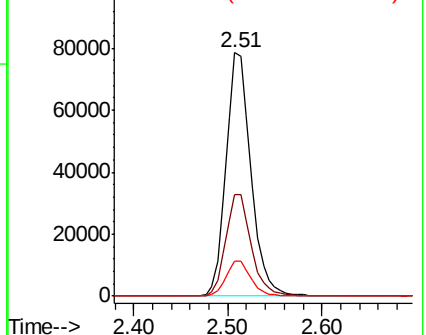
141 14.6 11.7 17.5



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



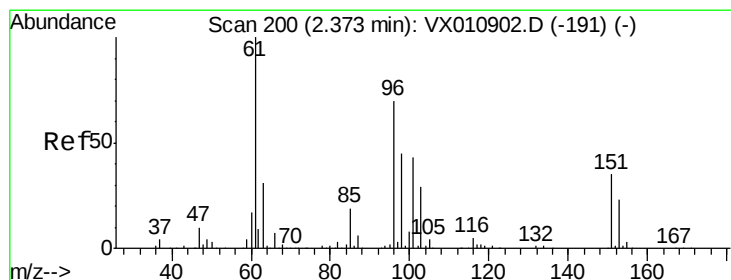
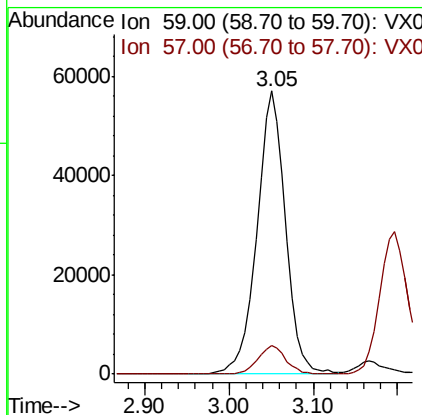
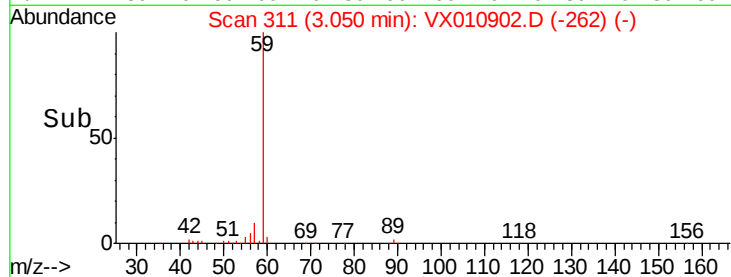
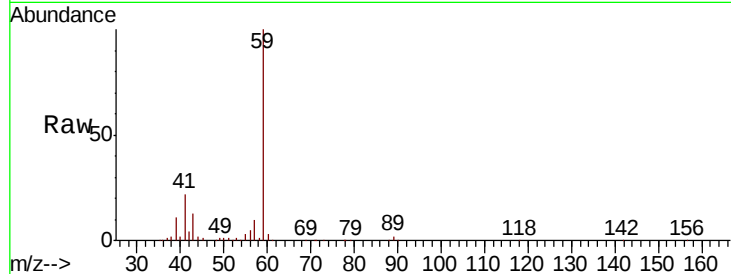


#11

Tert butyl alcohol
 Concen: 235.361 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. 0.00 min
 Lab File: VX010902.D
 Acq: 16 Jul 2019 10:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

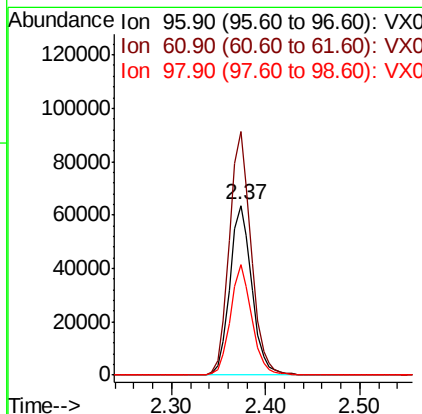
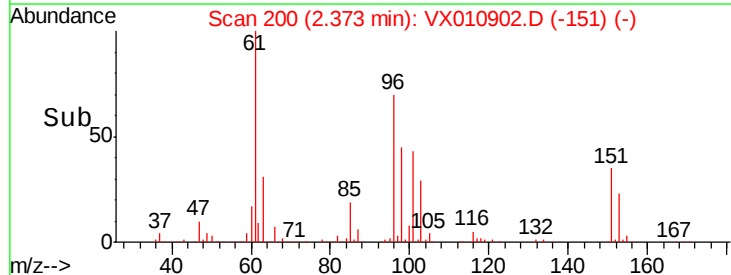
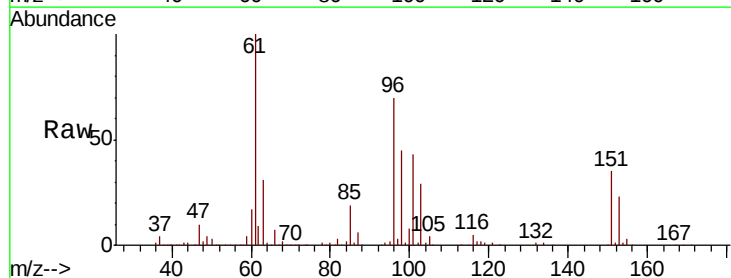
Tot Ion: 59 Resp: 132264
 Ion Ratio Lower Upper
 59 100
 57 9.9 7.9 11.9

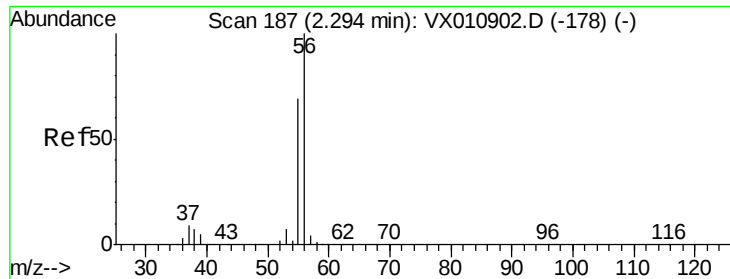


#12

1,1-Dichloroethene
 Concen: 51.210 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX010902.D
 Acq: 16 Jul 2019 10:53

Tgt Ion: 96 Resp: 102855
 Ion Ratio Lower Upper
 96 100
 61 143.7 115.0 172.4
 98 65.2 52.2 78.2





#13

Acrolein

Concen: 216.637 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010902.D

Acq: 16 Jul 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

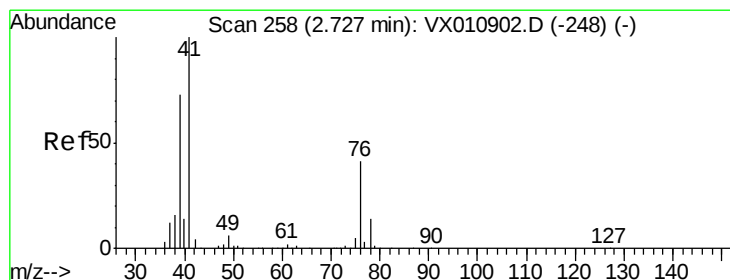
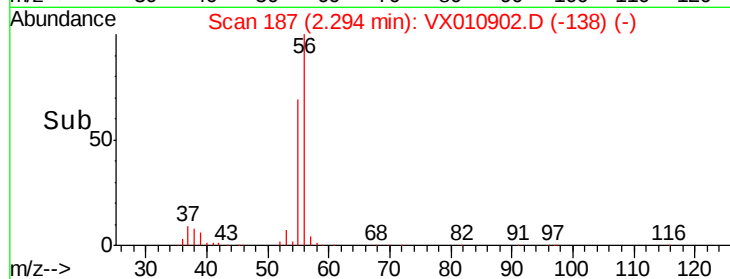
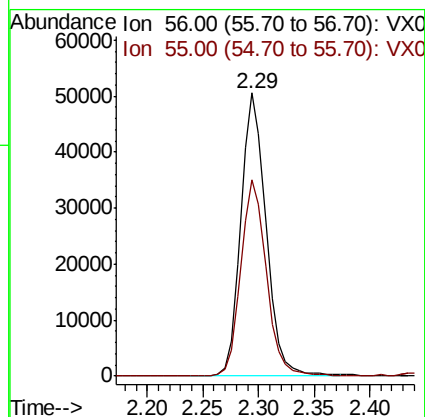
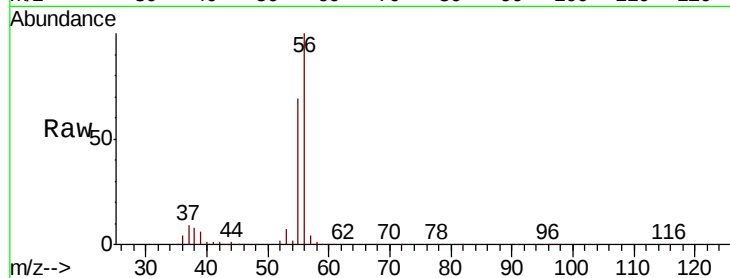
VSTDICCC050

Tot Ion: 56 Resp: 79499

Ion Ratio Lower Upper

56 100

55 69.9 55.9 83.9



#14

Allyl chloride

Concen: 51.704 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010902.D

Acq: 16 Jul 2019 10:53

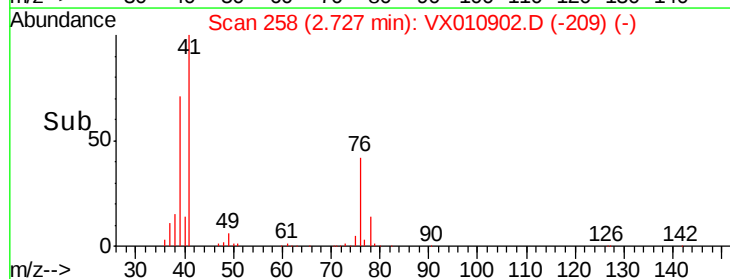
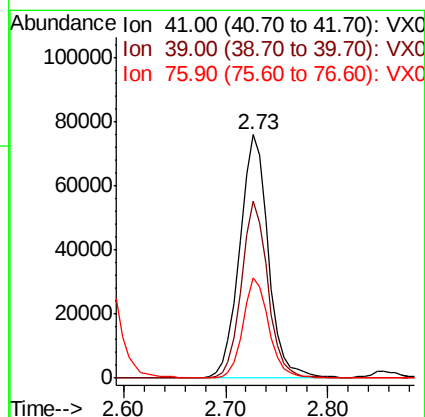
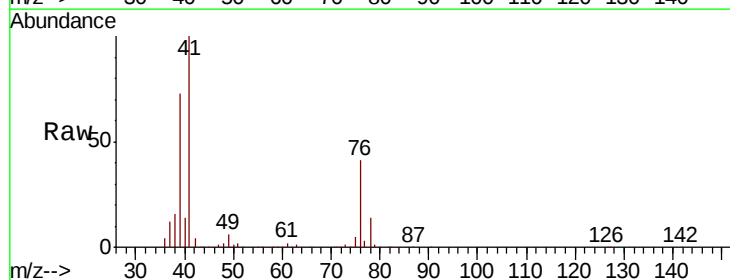
Tgt Ion: 41 Resp: 147093

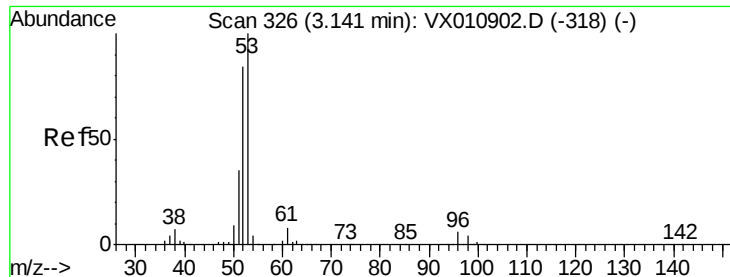
Ion Ratio Lower Upper

41 100

39 67.0 53.6 80.4

76 37.1 29.7 44.5





#15

Acrylonitrile

Concen: 250.036 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010902.D

Acq: 16 Jul 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

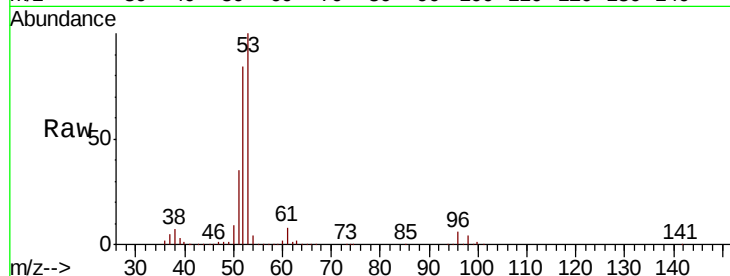
Tot Ion: 53 Resp: 279102

Ion Ratio Lower Upper

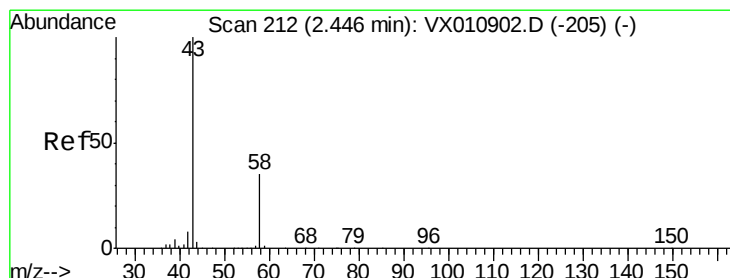
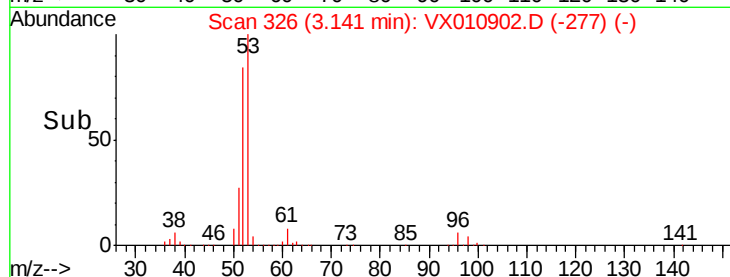
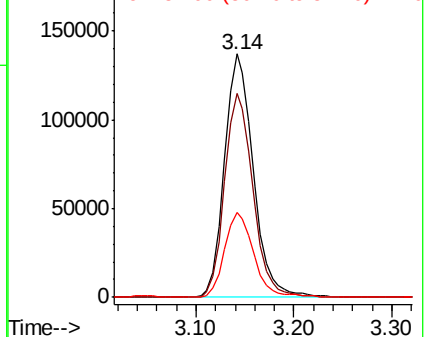
53 100

52 83.1 66.5 99.7

51 35.3 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 252.335 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010902.D

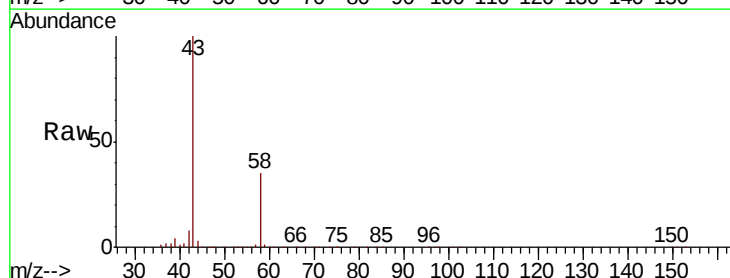
Acq: 16 Jul 2019 10:53

Tgt Ion: 43 Resp: 270300

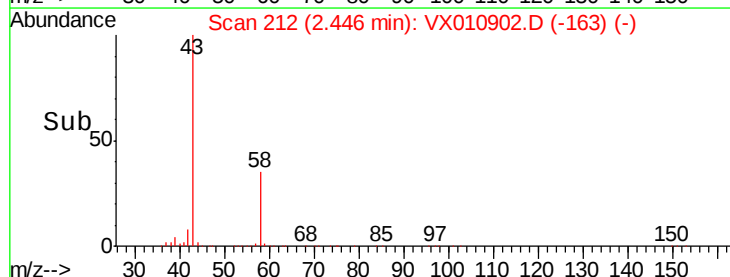
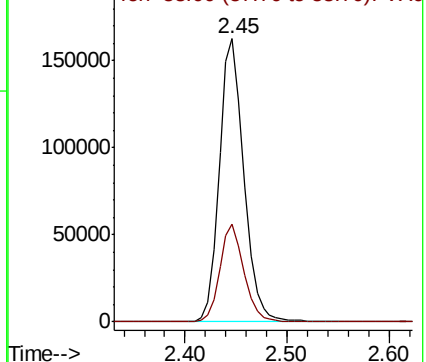
Ion Ratio Lower Upper

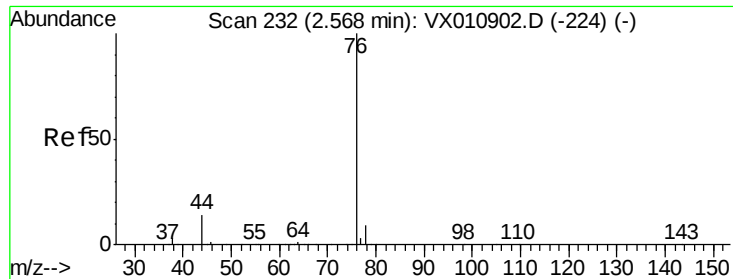
43 100

58 34.6 27.7 41.5



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

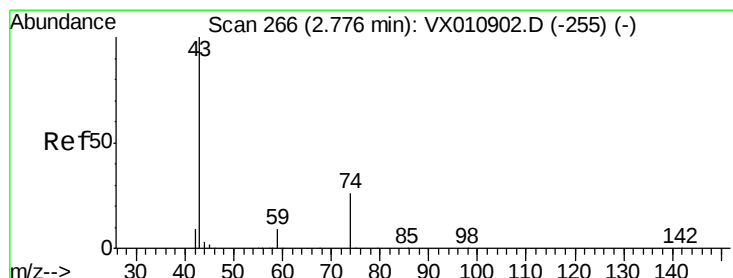
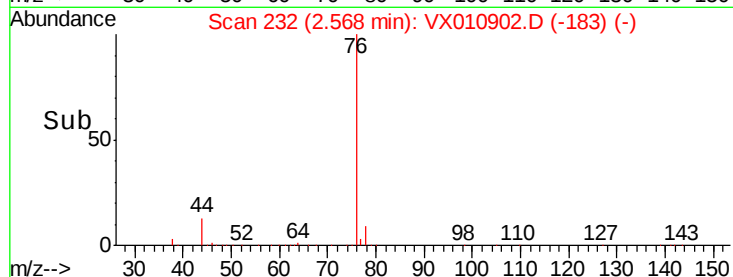
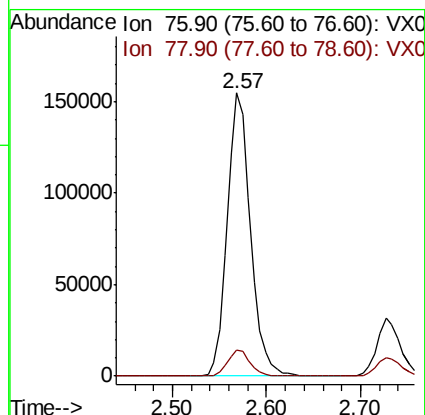
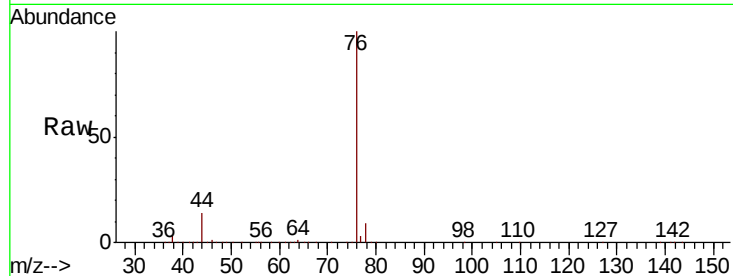




#17
Carbon Disulfide
Concen: 49.459 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010902.D
Acq: 16 Jul 2019 10:53

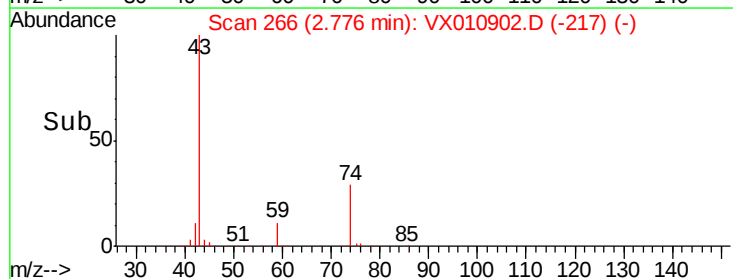
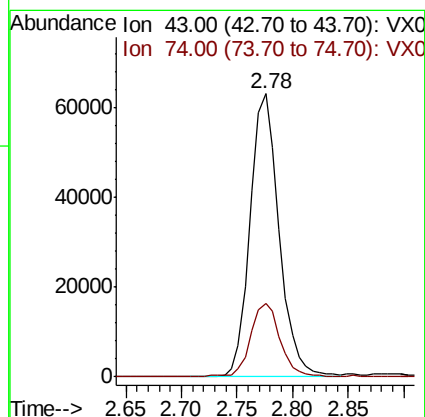
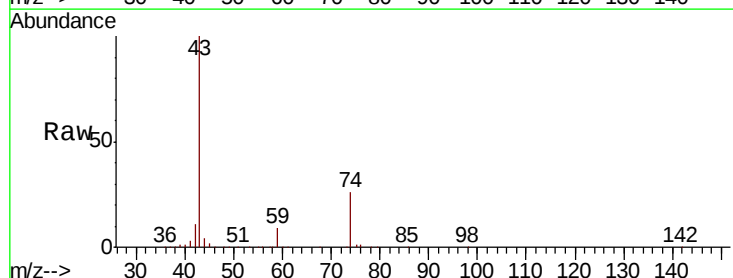
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

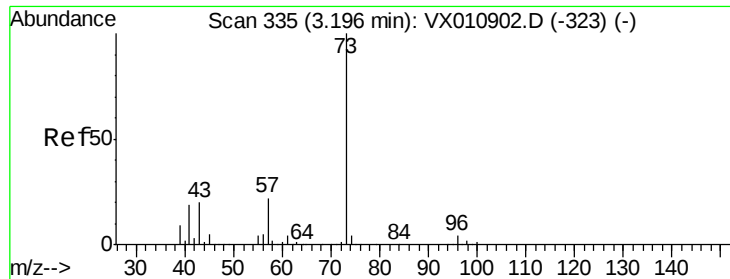
Tot Ion: 76 Resp: 264837
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#18
Methyl Acetate
Concen: 52.563 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010902.D
Acq: 16 Jul 2019 10:53

Tgt Ion: 43 Resp: 114717
Ion Ratio Lower Upper
43 100
74 26.9 21.5 32.3

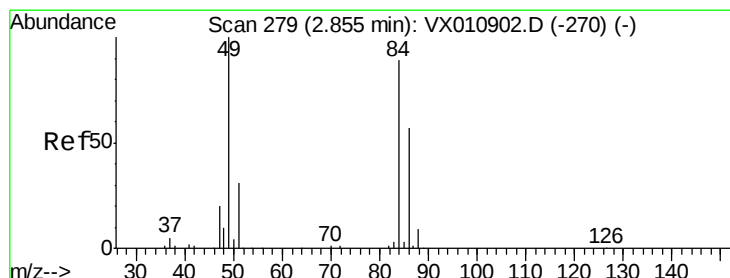
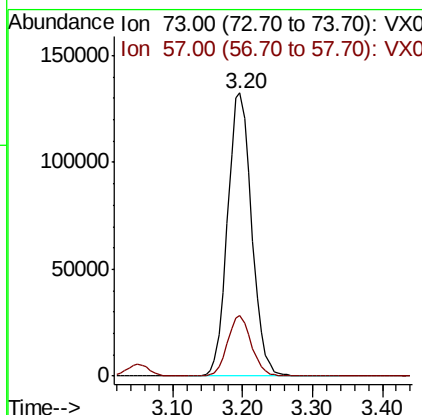
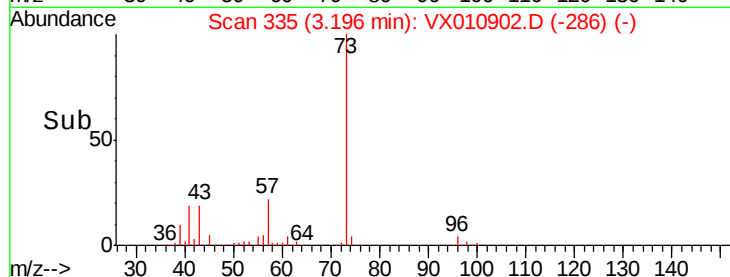
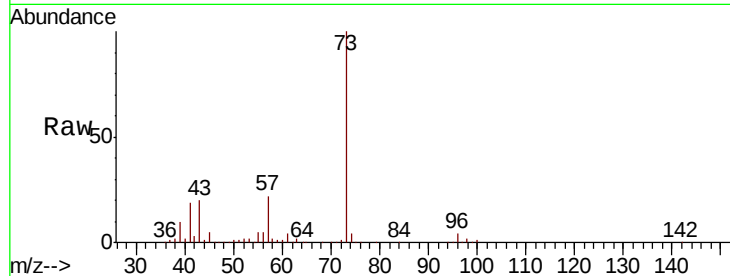




#19
Methyl tert-butyl Ether
Concen: 50.427 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010902.D
Acq: 16 Jul 2019 10:53

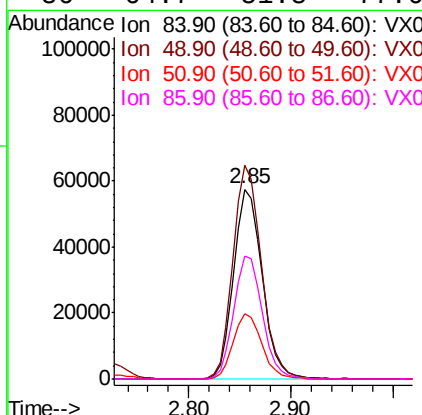
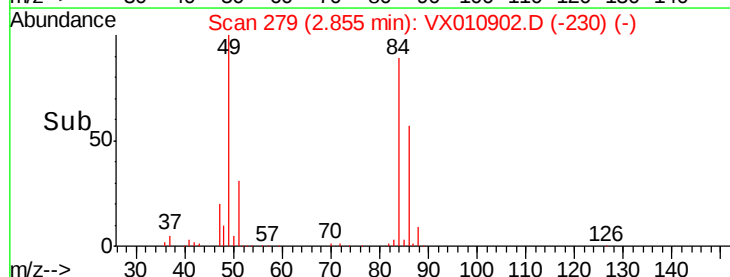
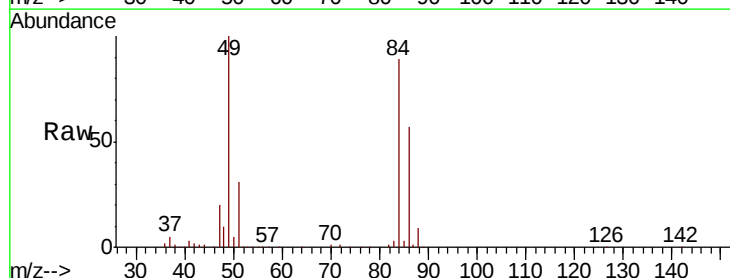
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

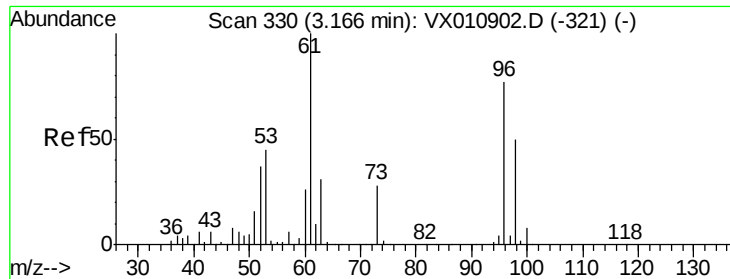
Tot Ion: 73 Resp: 317392
Ion Ratio Lower Upper
73 100
57 21.6 17.3 25.9



#20
Methylene Chloride
Concen: 49.970 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010902.D
Acq: 16 Jul 2019 10:53

Tgt Ion: 84 Resp: 111574
Ion Ratio Lower Upper
84 100
49 112.4 89.9 134.9
51 34.7 27.8 41.6
86 64.7 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 49.733 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010902.D

Acq: 16 Jul 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

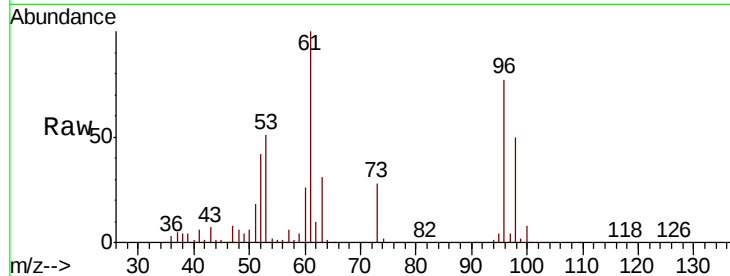
Tot Ion: 96 Resp: 106939

Ion Ratio Lower Upper

96 100

61 130.2 104.2 156.2

98 65.3 52.2 78.4

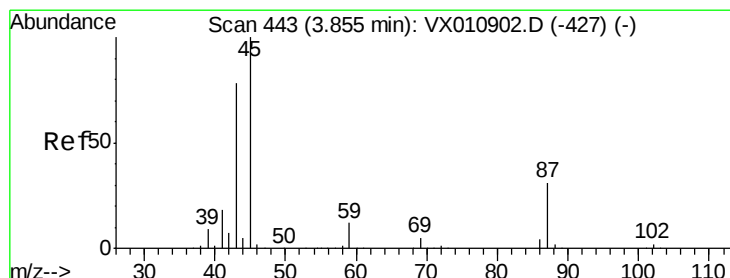
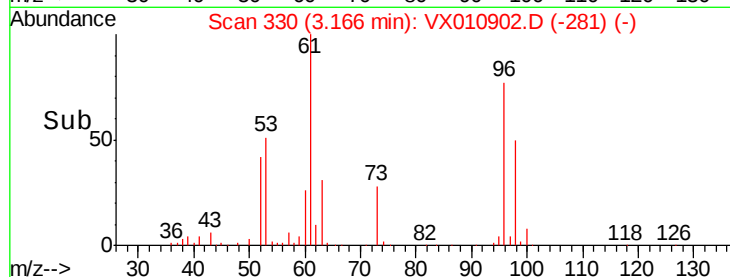
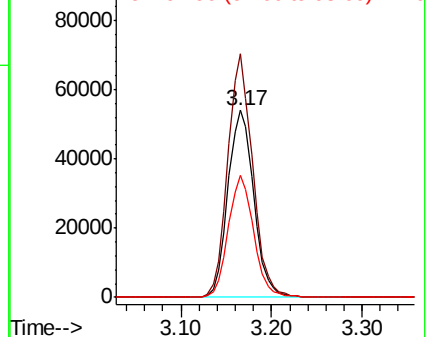


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 50.860 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX010902.D

Acq: 16 Jul 2019 10:53

Tgt Ion: 45 Resp: 302817

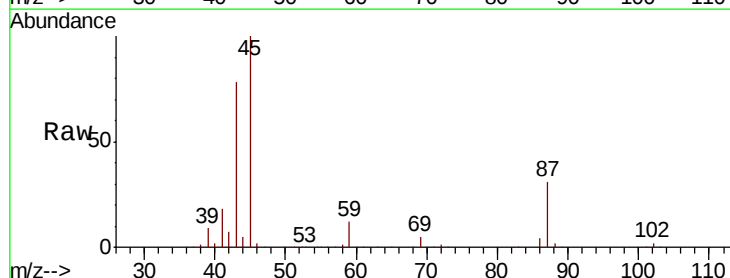
Ion Ratio Lower Upper

45 100

43 77.9 62.3 93.5

87 31.2 25.0 37.4

59 12.4 9.9 14.9



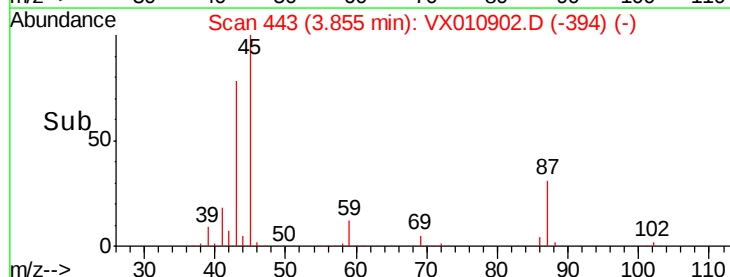
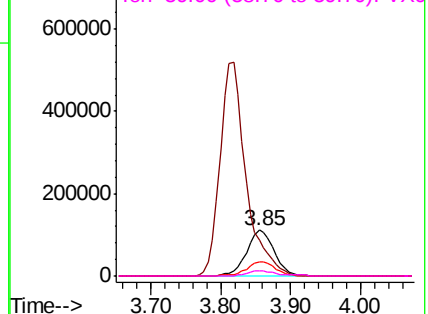
Abundance

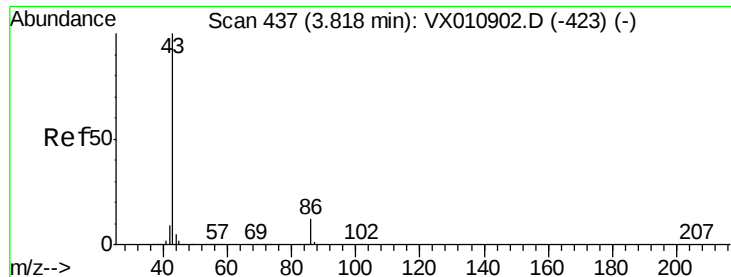
Ion 45.00 (44.70 to 45.70): VX0

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: 263.385 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX010902.D

Acq: 16 Jul 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

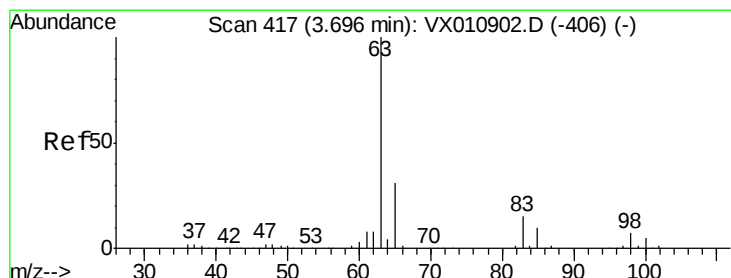
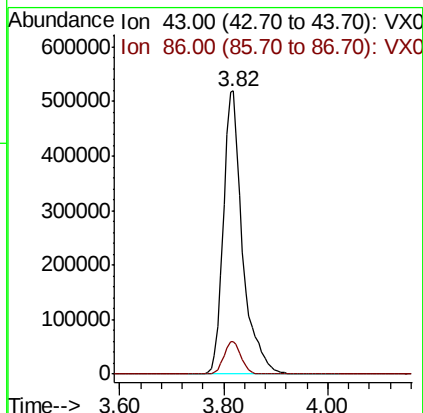
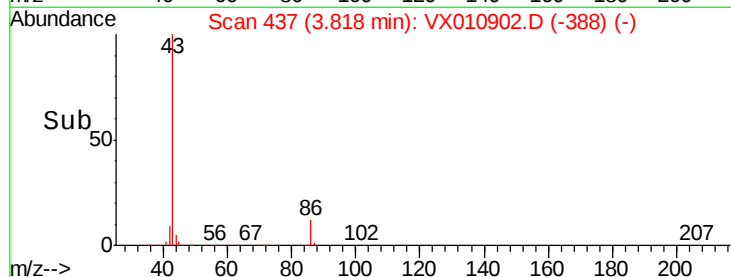
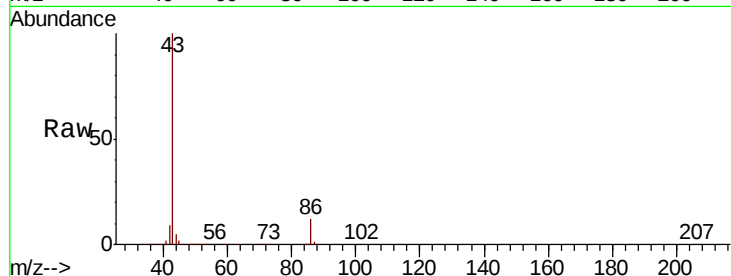
VSTDICCC050

Tot Ion: 43 Resp: 1352835

Ion Ratio Lower Upper

43 100

86 11.7 9.4 14.0



#24

1,1-Dichloroethane

Concen: 50.834 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010902.D

Acq: 16 Jul 2019 10:53

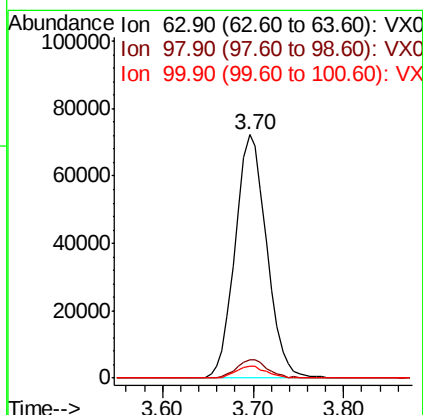
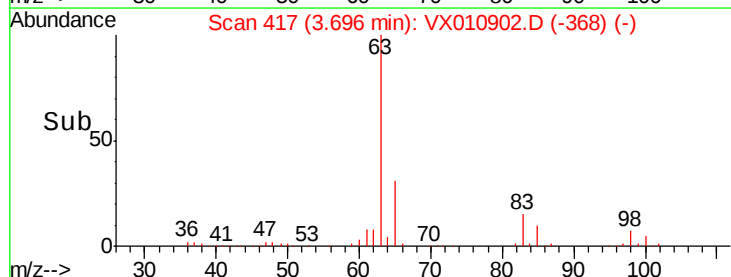
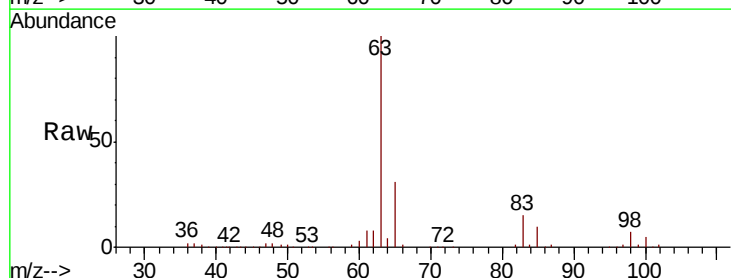
Tgt Ion: 63 Resp: 174642

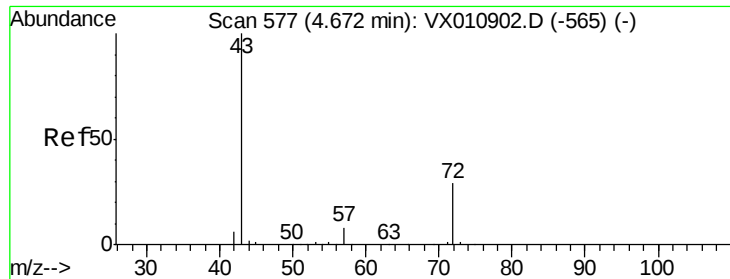
Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.9

100 4.8 2.4 7.2





#25

2-Butanone

Concen: 250.892 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010902.D

Acq: 16 Jul 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

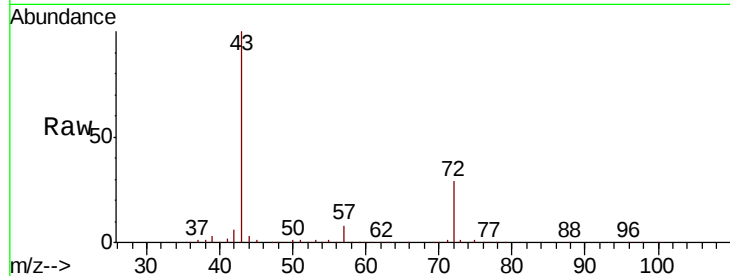
VSTDICCC050

Tot Ion: 43 Resp: 395655

Ion Ratio Lower Upper

43 100

72 28.8 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

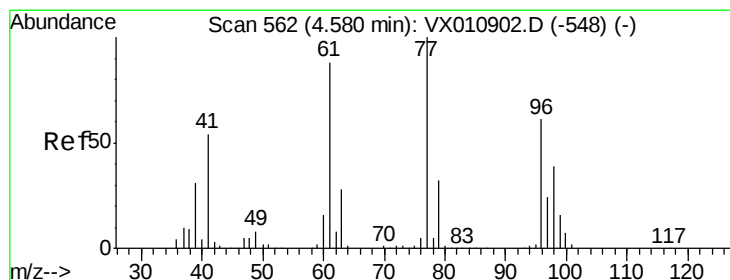
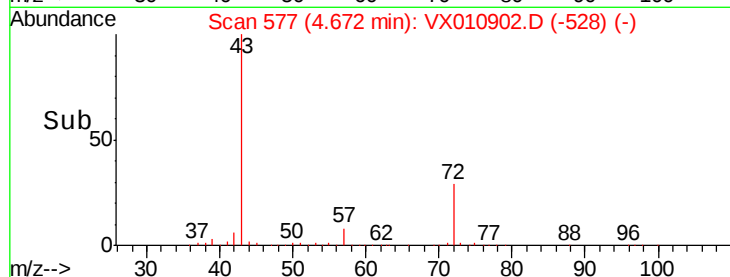
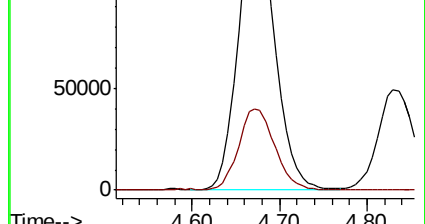
150000

100000

50000

0

4.60 4.67 4.70 4.80



#26

2,2-Dichloropropane

Concen: 49.324 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010902.D

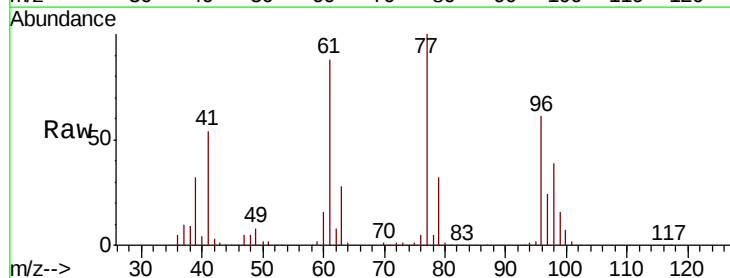
Acq: 16 Jul 2019 10:53

Tgt Ion: 77 Resp: 146638

Ion Ratio Lower Upper

77 100

97 25.1 12.6 37.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

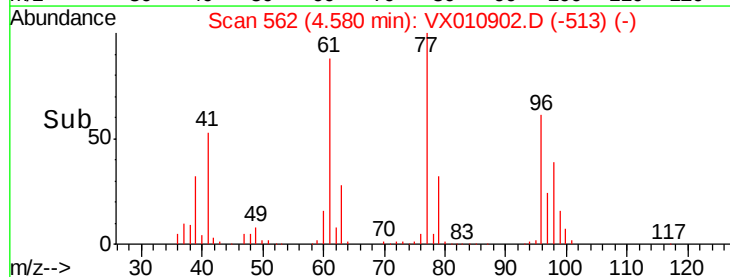
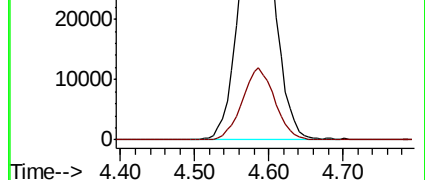
30000

20000

10000

0

4.40 4.50 4.58 4.60 4.70



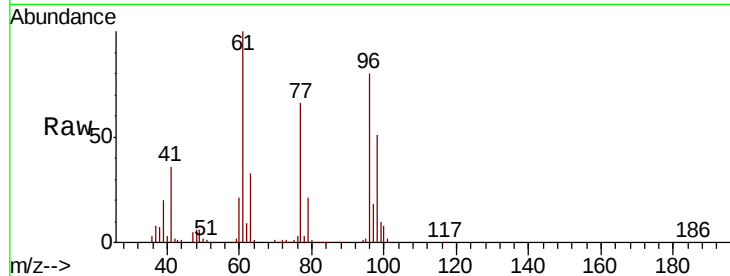


#27

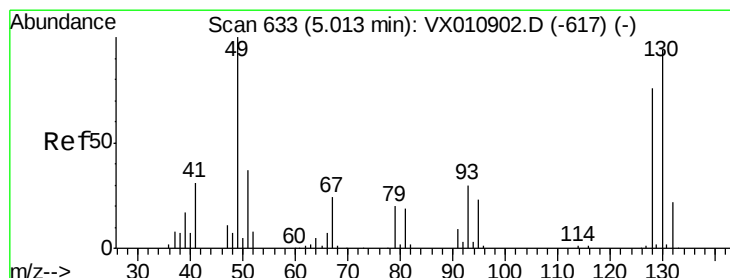
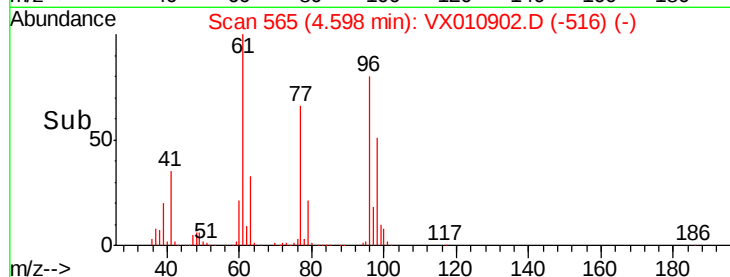
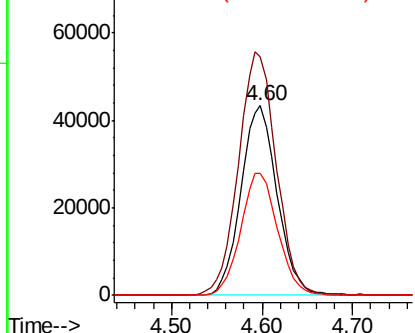
cis-1,2-Dichloroethene
 Concen: 48.676 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX010902.D
 Acq: 16 Jul 2019 10:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.5	0.0	269.0
98	65.7	0.0	131.4



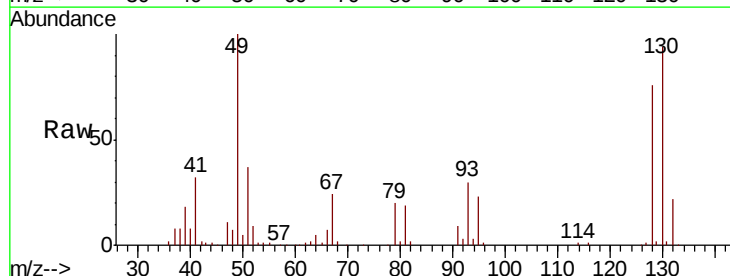
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



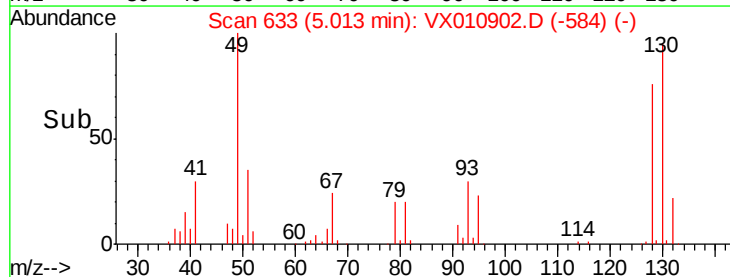
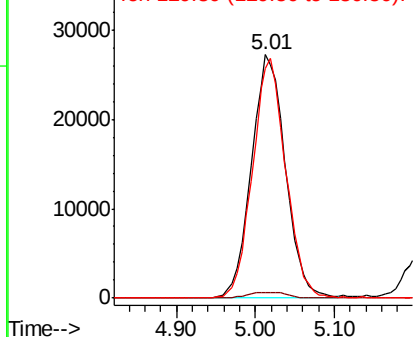
#28

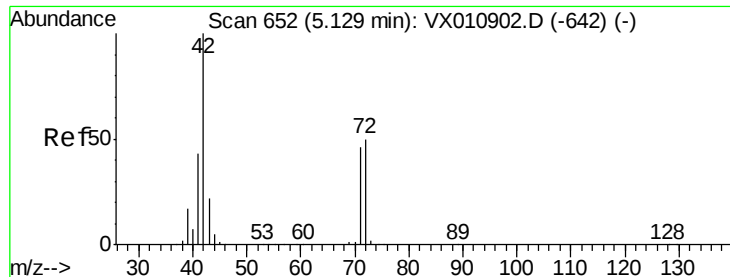
Bromochloromethane
 Concen: 49.646 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VX010902.D
 Acq: 16 Jul 2019 10:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.2
130	96.1	76.9	115.3



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





#29

Tetrahydrofuran

Concen: 251.090 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX010902.D

Acq: 16 Jul 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

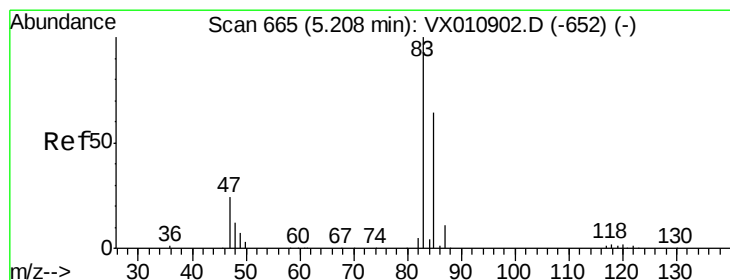
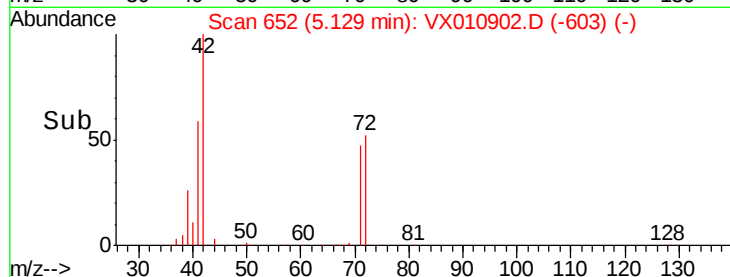
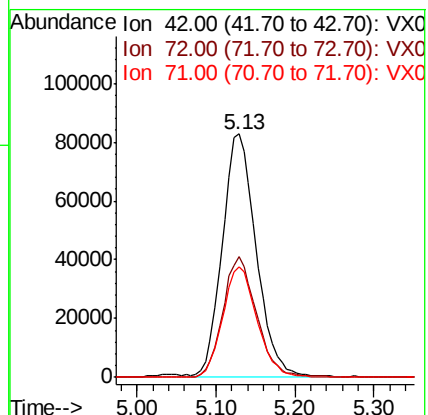
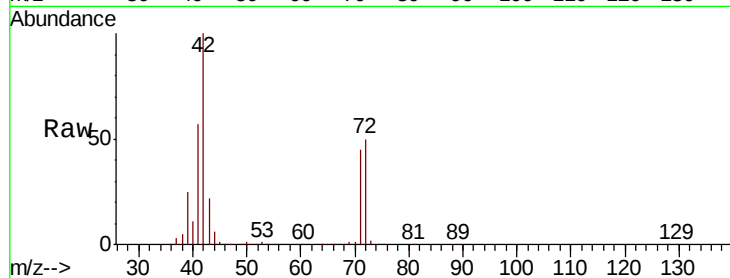
Tot Ion: 42 Resp: 246528

Ion Ratio Lower Upper

42 100

72 49.8 39.8 59.8

71 46.2 37.0 55.4



#30

Chloroform

Concen: 50.526 ug/l

RT: 5.21 min Scan# 665

Delta R.T. 0.00 min

Lab File: VX010902.D

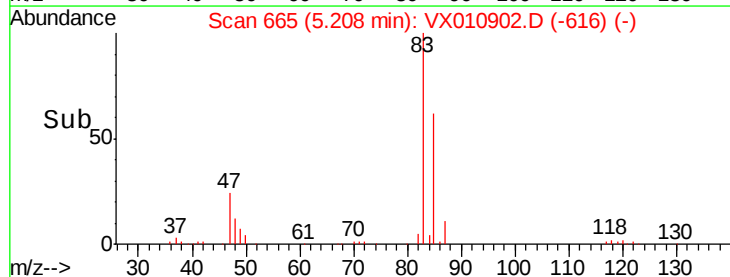
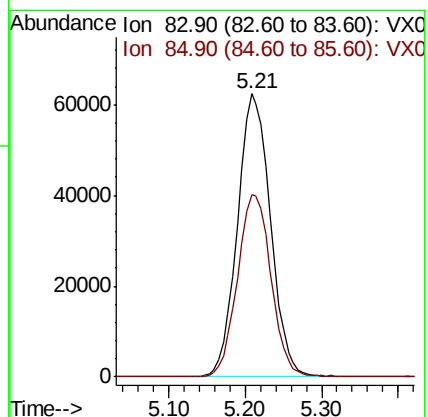
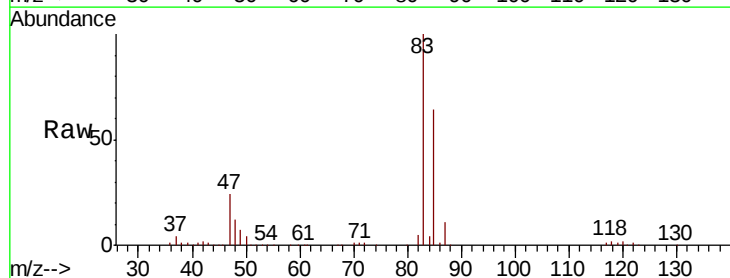
Acq: 16 Jul 2019 10:53

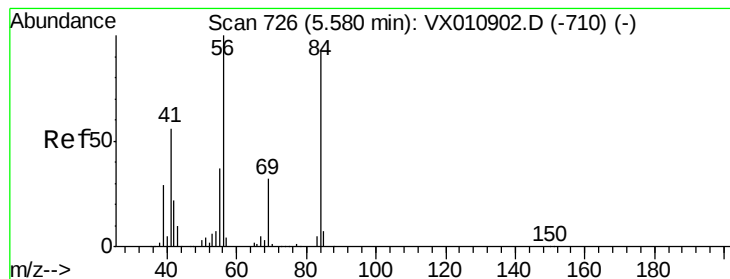
Tgt Ion: 83 Resp: 187015

Ion Ratio Lower Upper

83 100

85 64.2 51.4 77.0





#31

Cyclohexane

Concen: 51.092 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010902.D

Acq: 16 Jul 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

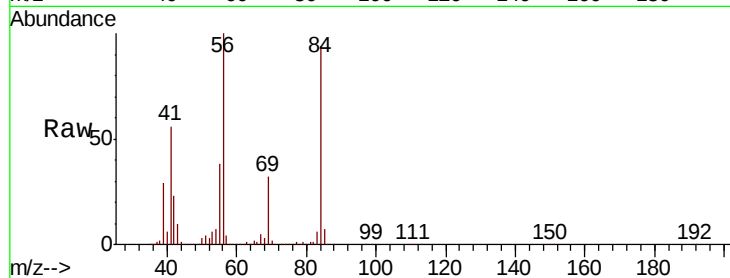
Tot Ion: 56 Resp: 160361

Ion Ratio Lower Upper

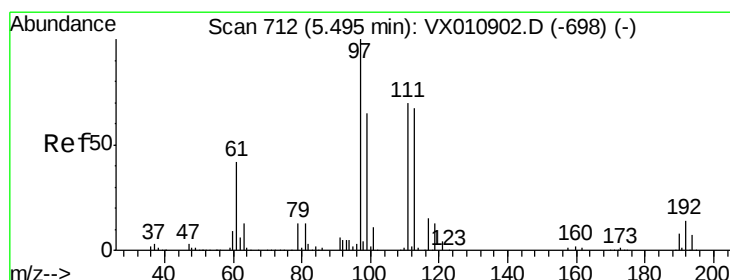
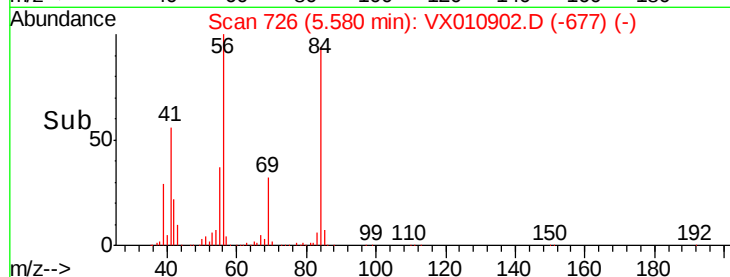
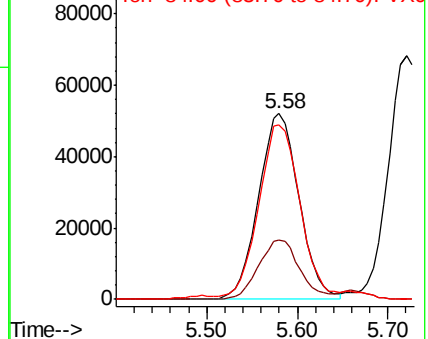
56 100

69 32.3 25.8 38.8

84 92.2 73.8 110.6



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: 51.484 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX010902.D

Acq: 16 Jul 2019 10:53

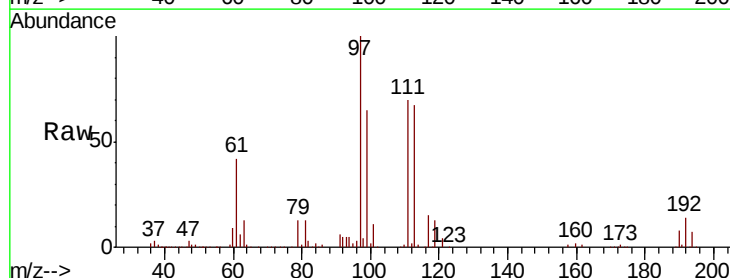
Tgt Ion: 97 Resp: 168264

Ion Ratio Lower Upper

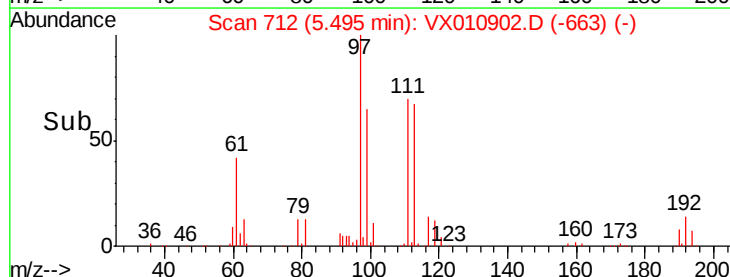
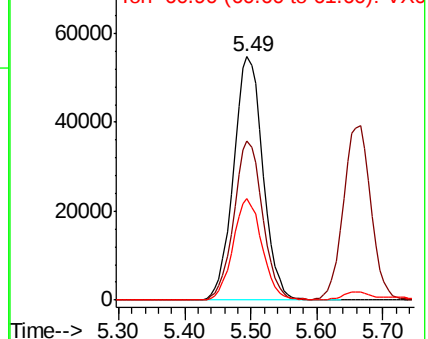
97 100

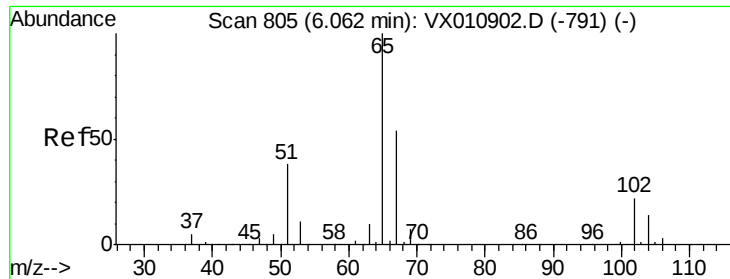
99 64.2 51.4 77.0

61 41.3 33.0 49.6



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

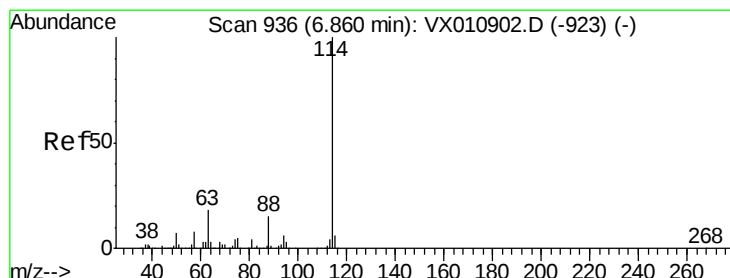
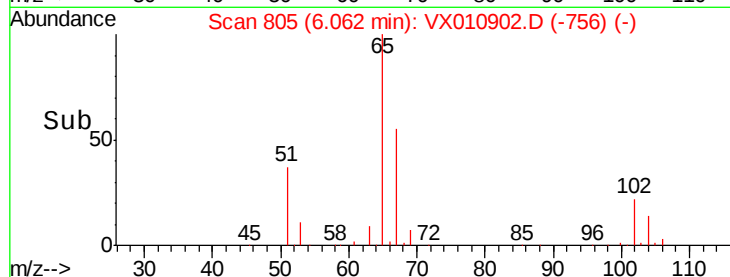
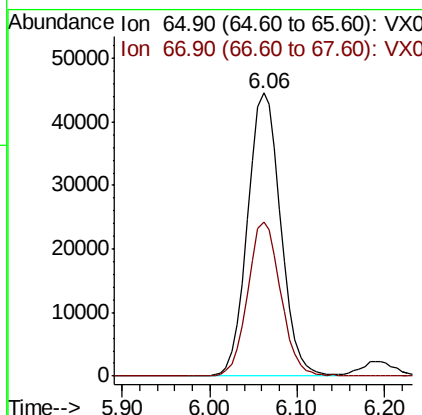
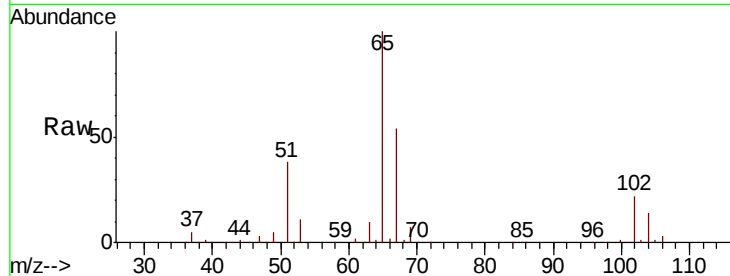




#33
 1,2-Dichloroethane-d4
 Concen: 53.620 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010902.D
 Acq: 16 Jul 2019 10:53

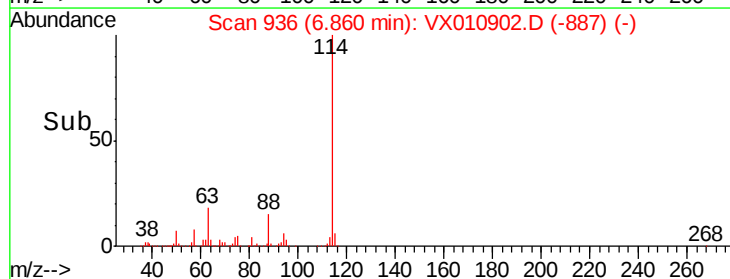
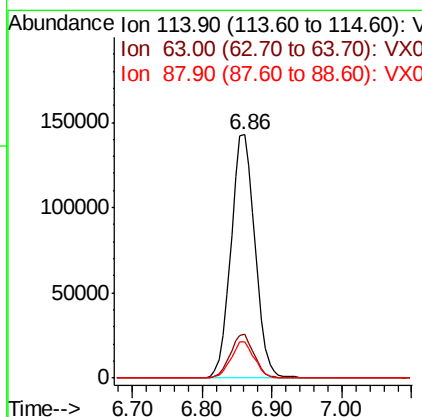
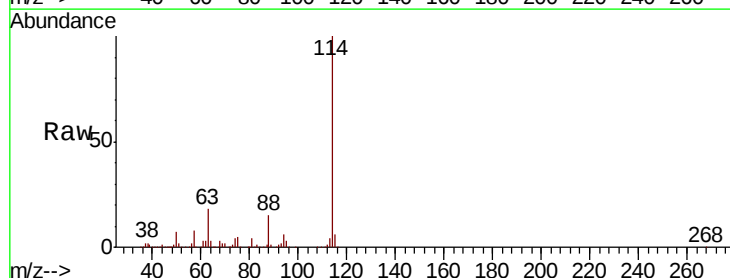
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

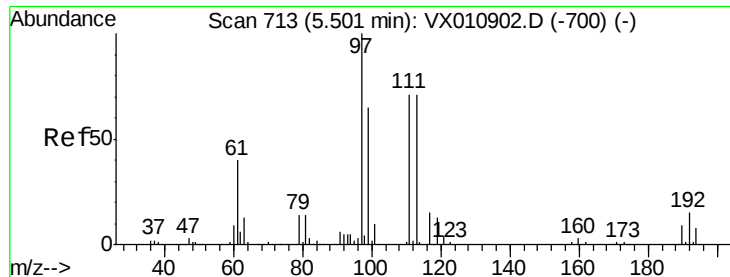
Tot Ion: 65 Resp: 117545
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010902.D
 Acq: 16 Jul 2019 10:53

Tgt Ion: 114 Resp: 340379
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 35.6
 88 14.9 0.0 29.8





#35

Dibromofluoromethane

Concen: 51.364 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010902.D

Acq: 16 Jul 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

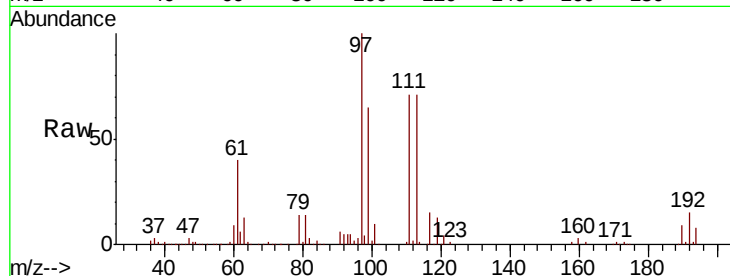
Tot Ion:113 Resp: 107157

Ion Ratio Lower Upper

113 100

111 102.9 82.3 123.5

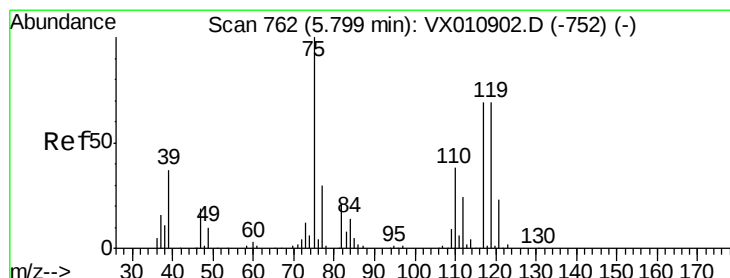
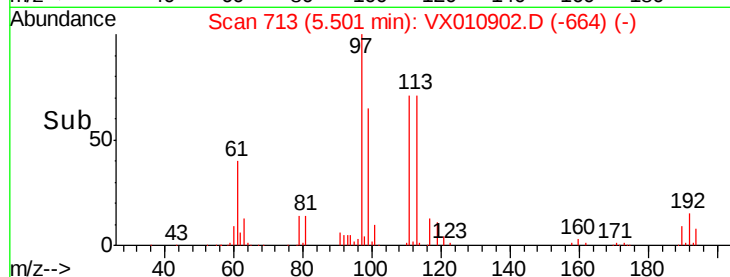
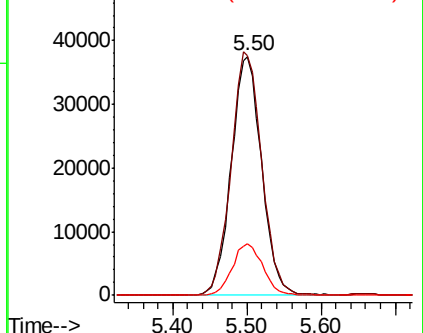
192 21.8 17.4 26.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.636 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX010902.D

Acq: 16 Jul 2019 10:53

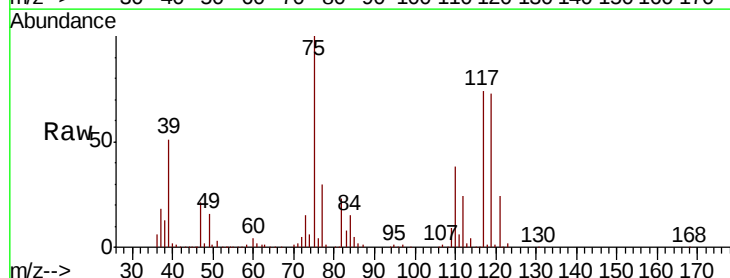
Tgt Ion: 75 Resp: 137998

Ion Ratio Lower Upper

75 100

110 39.8 19.9 59.7

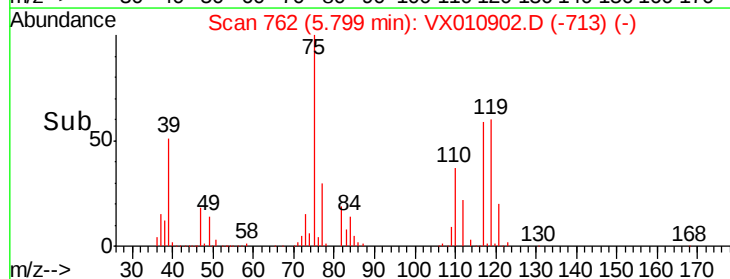
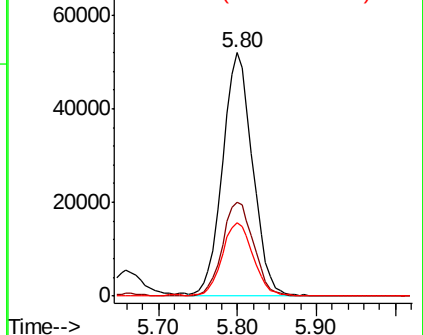
77 31.2 25.0 37.4

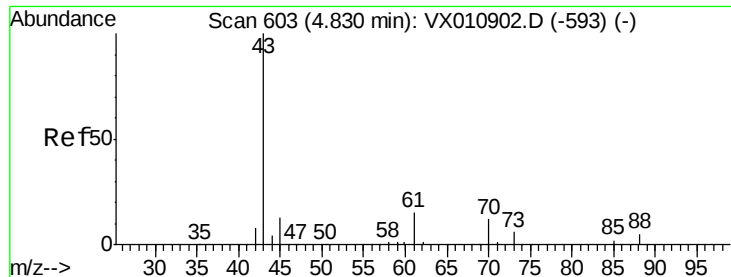


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 52.519 ug/l

RT: 4.83 min Scan# 603

Delta R.T. 0.00 min

Lab File: VX010902.D

Acq: 16 Jul 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

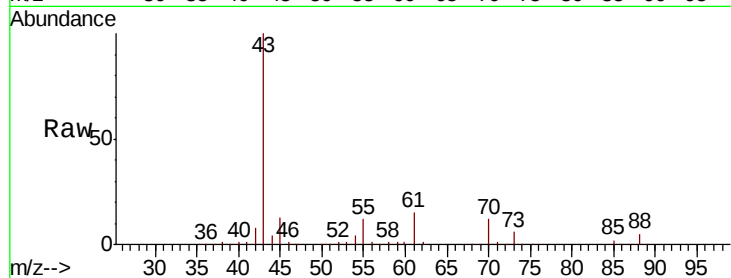
Tot Ion: 43 Resp: 146846

Ion Ratio Lower Upper

43 100

61 14.5 11.6 17.4

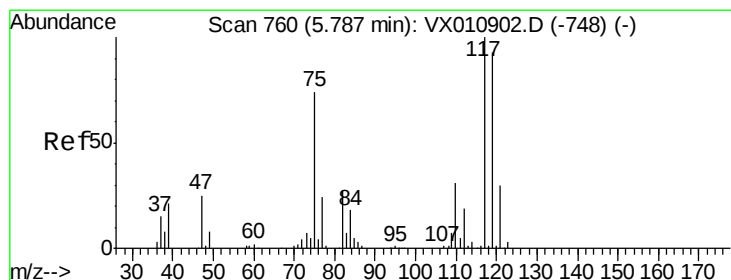
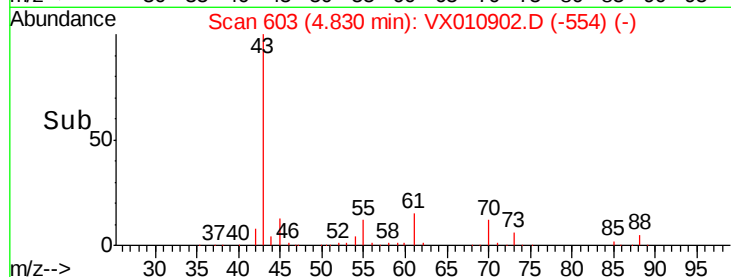
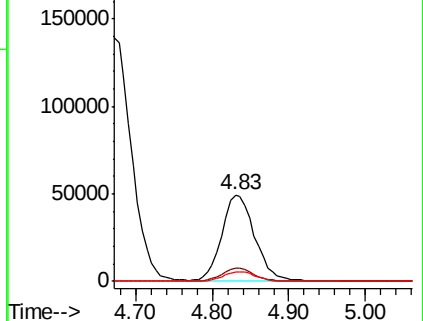
70 11.4 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 50.057 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX010902.D

Acq: 16 Jul 2019 10:53

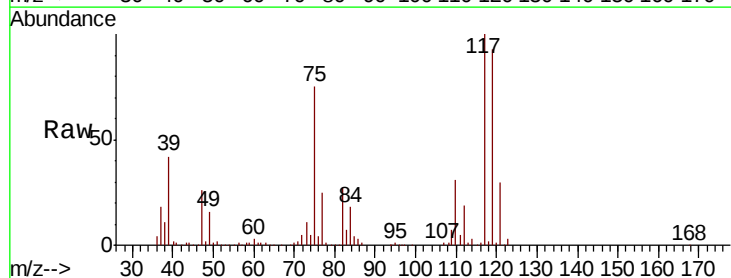
Tgt Ion: 117 Resp: 146413

Ion Ratio Lower Upper

117 100

119 92.7 74.2 111.2

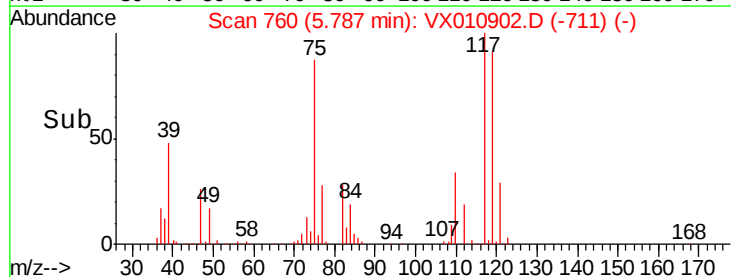
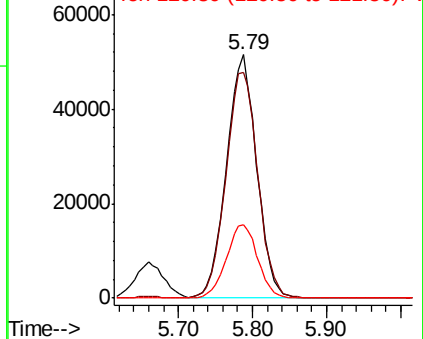
121 30.2 24.2 36.2

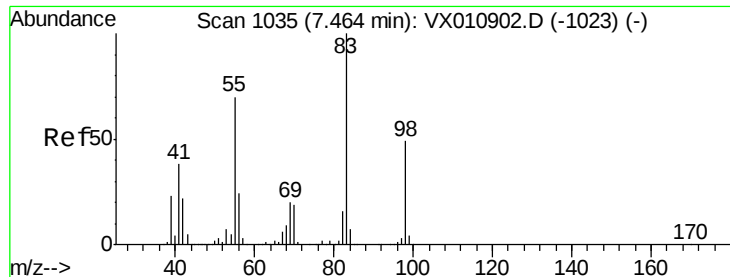


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

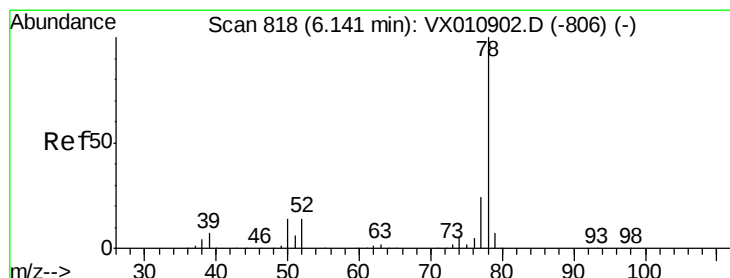
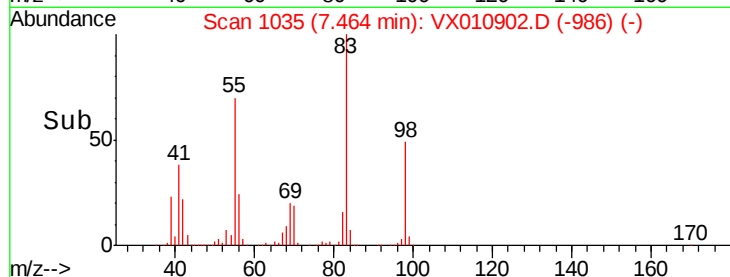
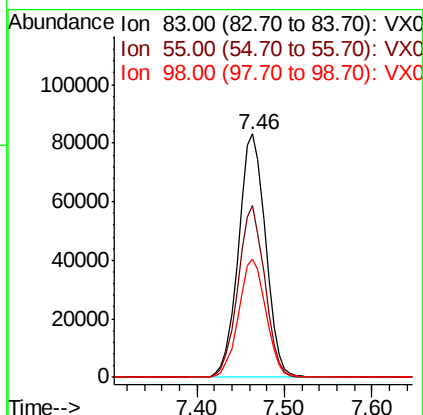
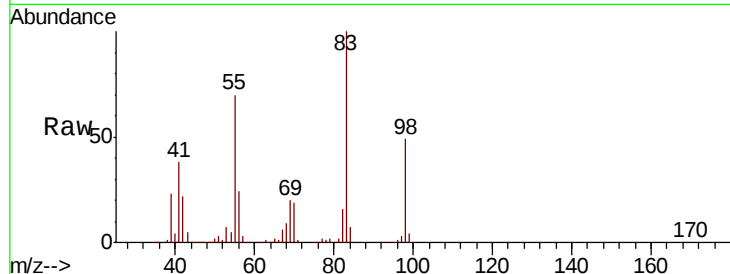




#39
Methvlcvclohexane
Concen: 50.087 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010902.D
Acq: 16 Jul 2019 10:53

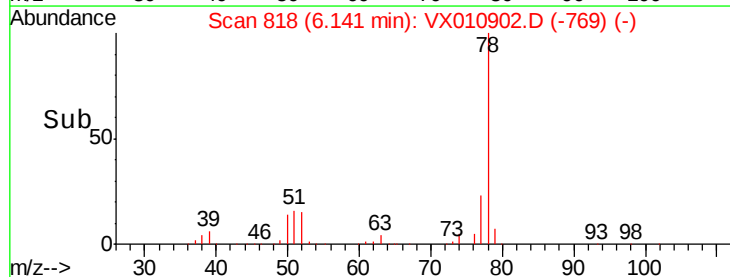
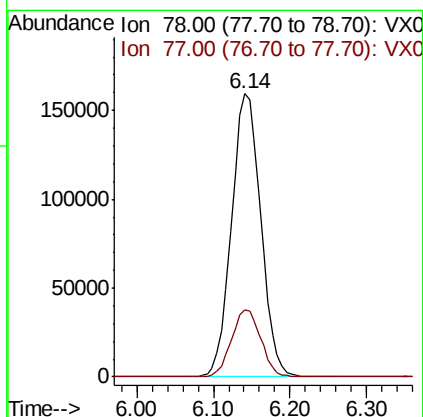
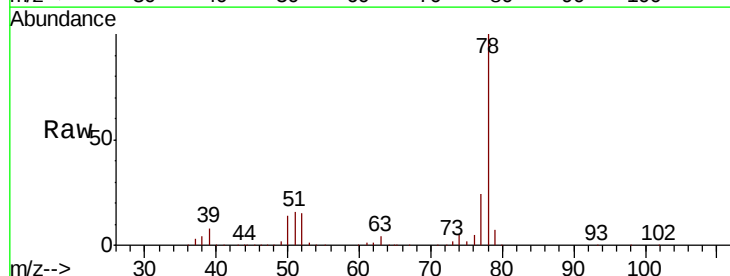
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

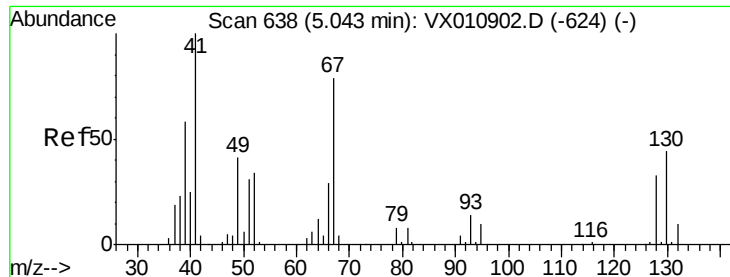
Tot Ion: 83 Resp: 178789
Ion Ratio Lower Upper
83 100
55 70.3 56.2 84.4
98 48.7 39.0 58.4



#40
Benzene
Concen: 50.171 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010902.D
Acq: 16 Jul 2019 10:53

Tgt Ion: 78 Resp: 423166
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.6





#41

Methacrylonitrile

Concen: 49.938 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX010902.D

Acq: 16 Jul 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 41 Resp: 76200

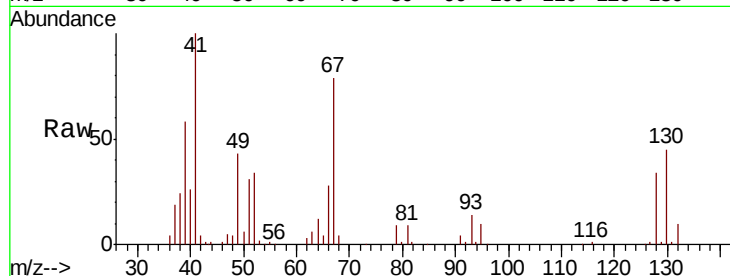
Ion Ratio Lower Upper

41 100

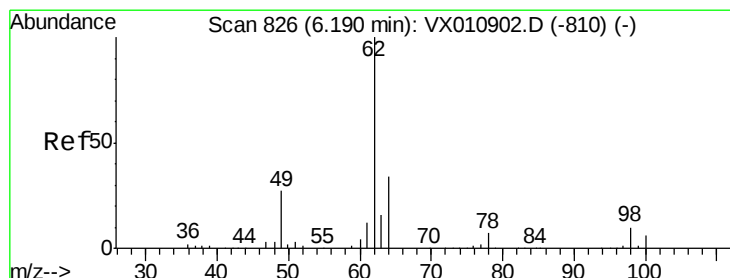
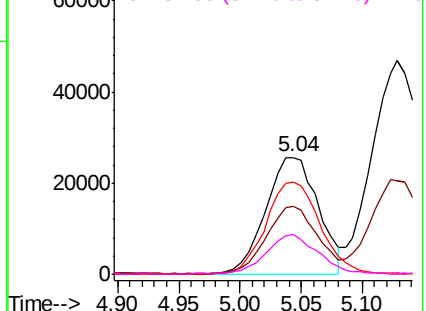
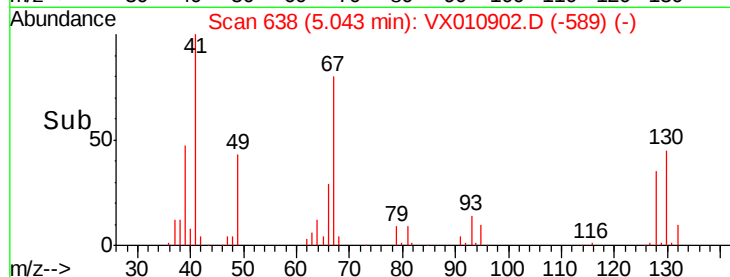
39 56.8 45.4 68.2

67 82.4 65.9 98.9

52 32.7 26.2 39.2



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



#42

1,2-Dichloroethane

Concen: 54.690 ug/l

RT: 6.19 min Scan# 826

Delta R.T. 0.00 min

Lab File: VX010902.D

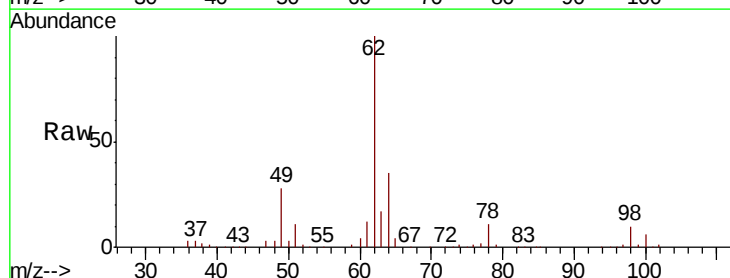
Acq: 16 Jul 2019 10:53

Tgt Ion: 62 Resp: 142444

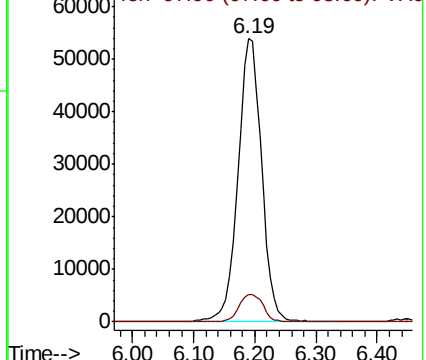
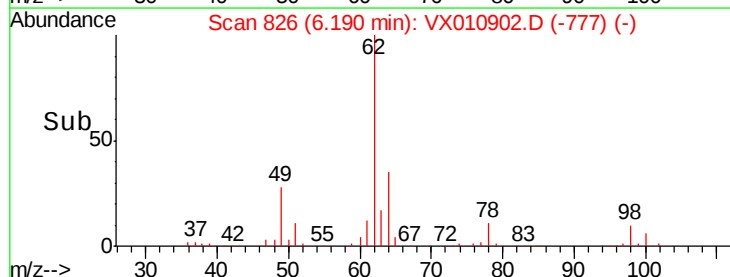
Ion Ratio Lower Upper

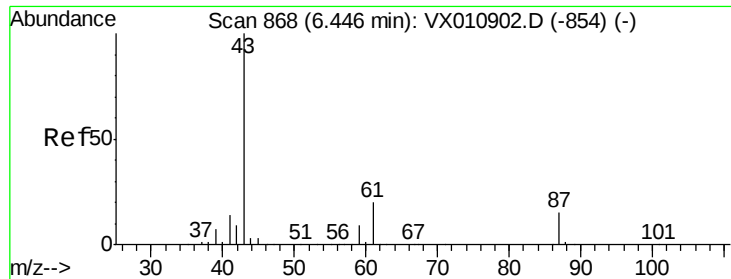
62 100

98 10.0 0.0 20.0



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





#43

Isopropyl Acetate

Concen: 50.652 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX010902.D

Acq: 16 Jul 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

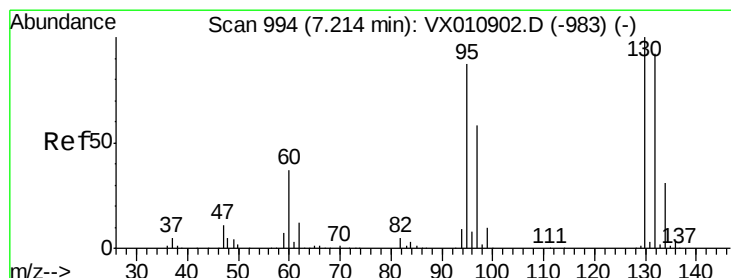
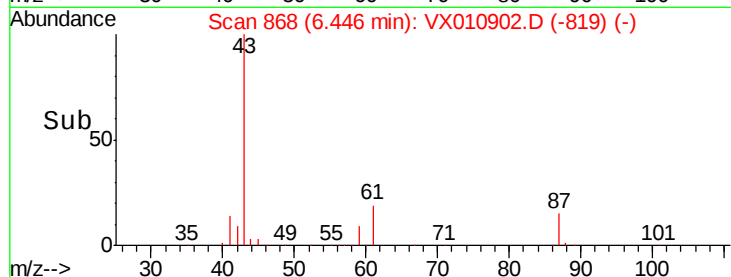
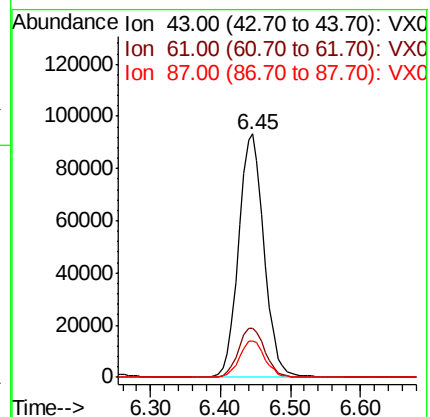
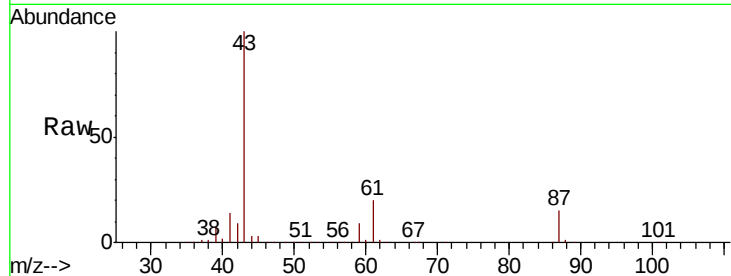
Tot Ion: 43 Resp: 233488

Ion Ratio Lower Upper

43 100

61 21.4 17.1 25.7

87 15.0 12.0 18.0



#44

Trichloroethene

Concen: 49.249 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX010902.D

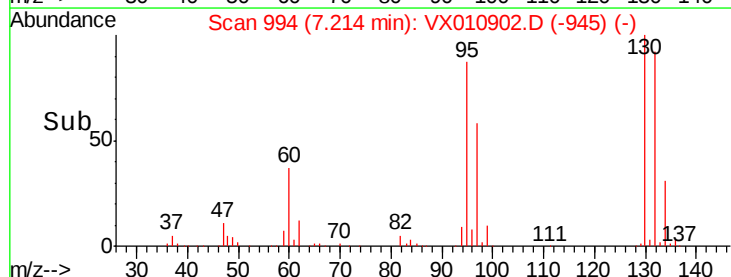
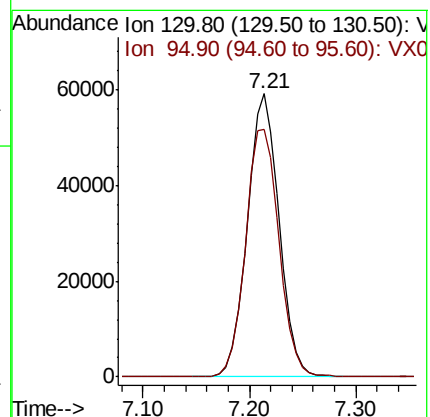
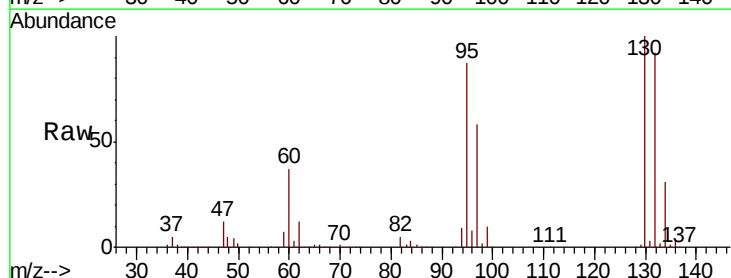
Acq: 16 Jul 2019 10:53

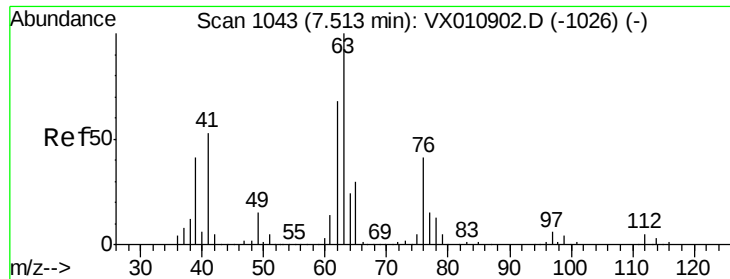
Tgt Ion:130 Resp: 124014

Ion Ratio Lower Upper

130 100

95 87.4 0.0 174.8





#45

1,2-Dichloropropane

Concen: 49.877 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX010902.D

Acq: 16 Jul 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

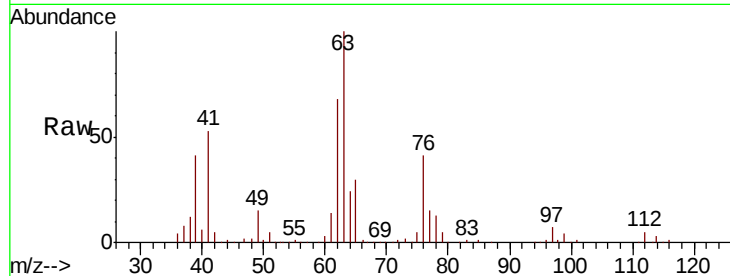
VSTDICCC050

Tot Ion: 63 Resp: 106332

Ion Ratio Lower Upper

63 100

65 30.5 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

60000

50000

40000

30000

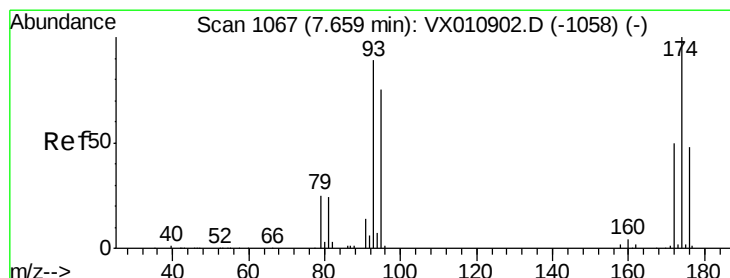
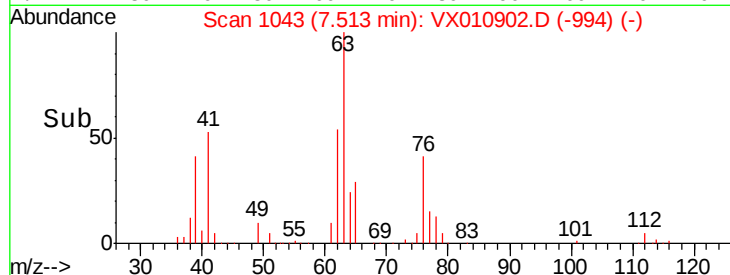
20000

10000

0

Time-->

7.40 7.50 7.60



#46

Dibromomethane

Concen: 50.492 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX010902.D

Acq: 16 Jul 2019 10:53

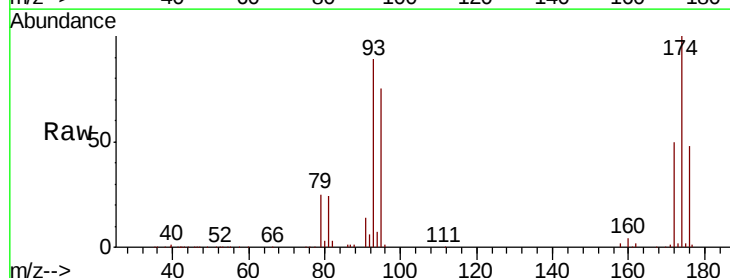
Tgt Ion: 93 Resp: 77279

Ion Ratio Lower Upper

93 100

95 84.0 67.2 100.8

174 113.2 90.6 135.8



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

60000

50000

40000

30000

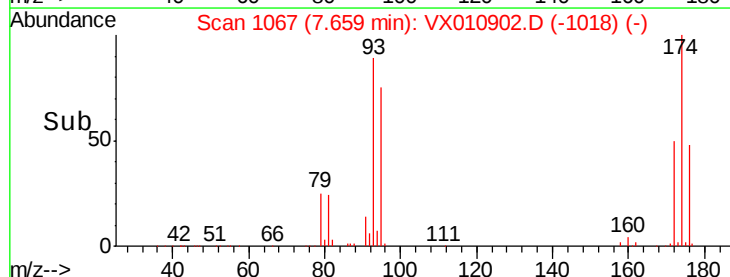
20000

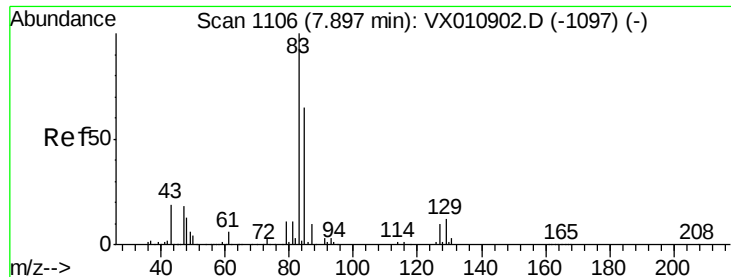
10000

0

Time-->

7.60 7.70 7.80





#47

Bromodichloromethane

Concen: 50.327 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010902.D

Acq: 16 Jul 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

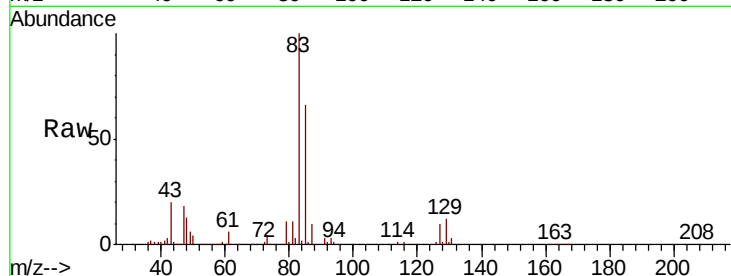
Tot Ion: 83 Resp: 140452

Ion Ratio Lower Upper

83 100

85 65.6 52.5 78.7

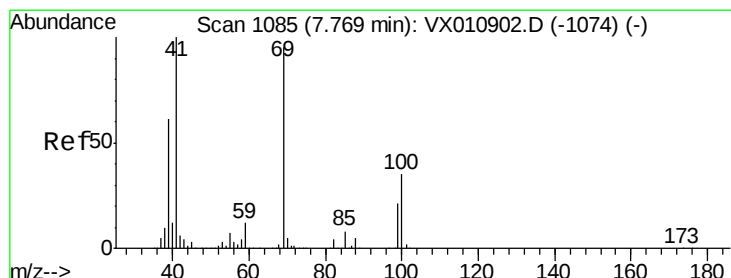
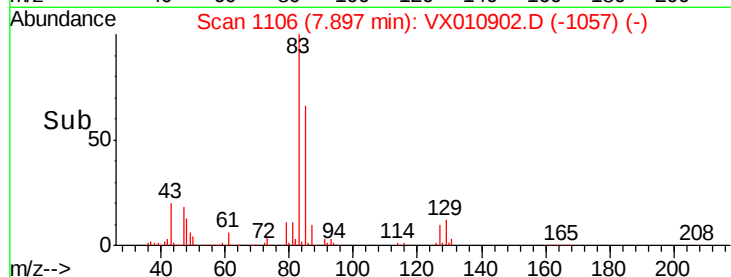
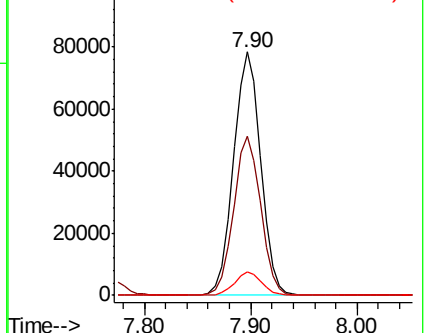
127 9.8 7.8 11.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 52.439 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX010902.D

Acq: 16 Jul 2019 10:53

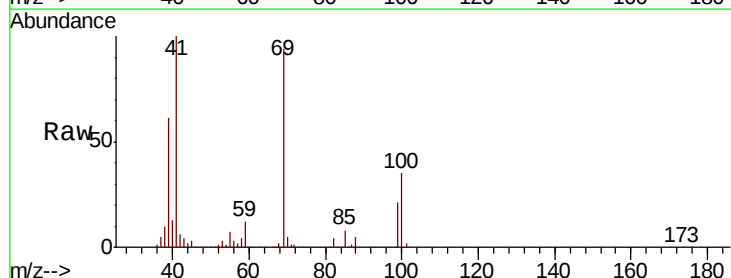
Tgt Ion: 41 Resp: 112684

Ion Ratio Lower Upper

41 100

69 93.0 74.4 111.6

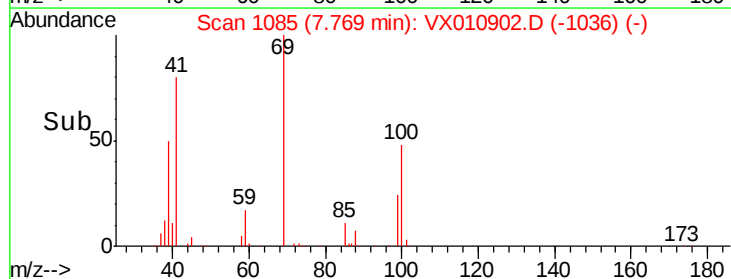
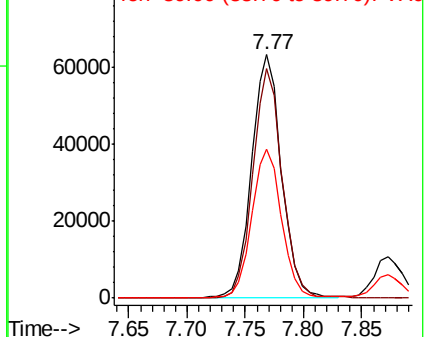
39 61.1 48.9 73.3

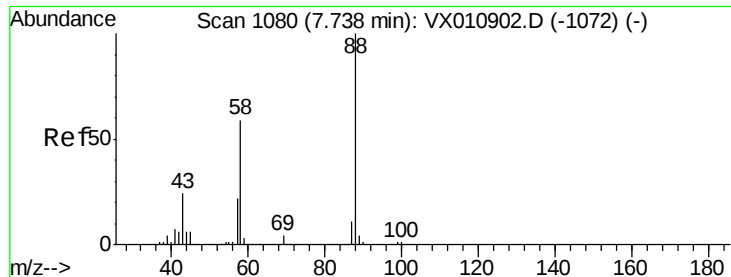


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

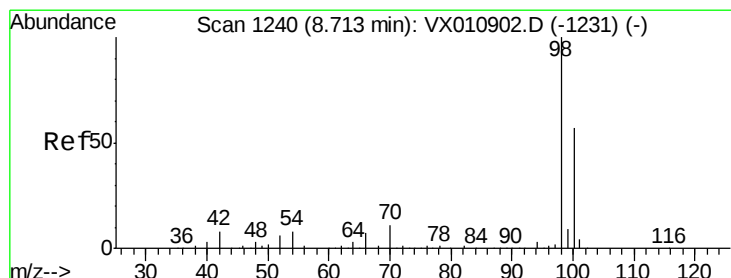
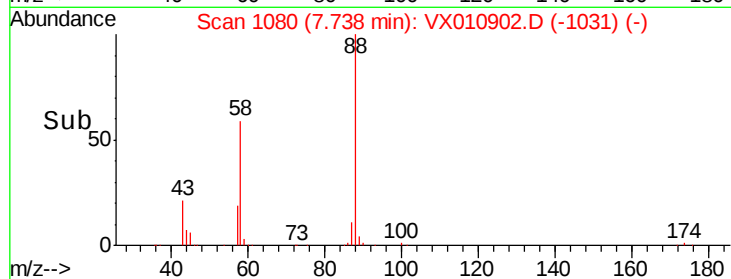
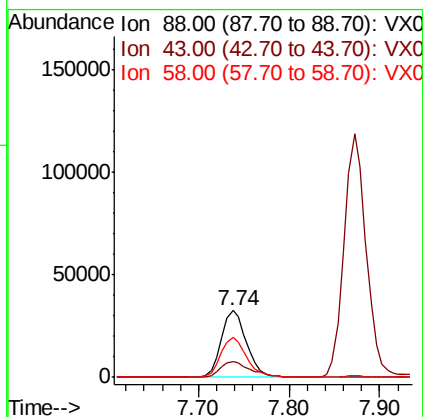
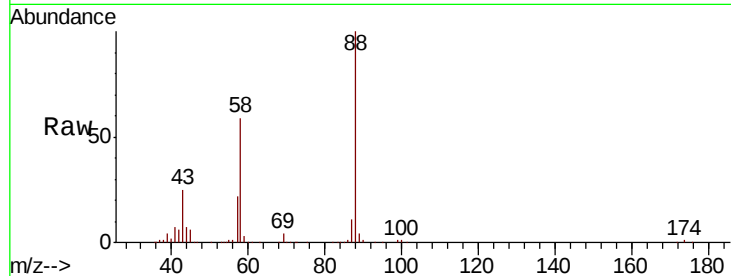




#49
 1,4-Dioxane
 Concen: 1015.858 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VX010902.D
 Acq: 16 Jul 2019 10:53

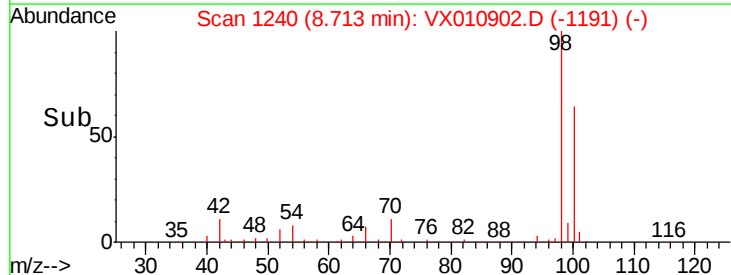
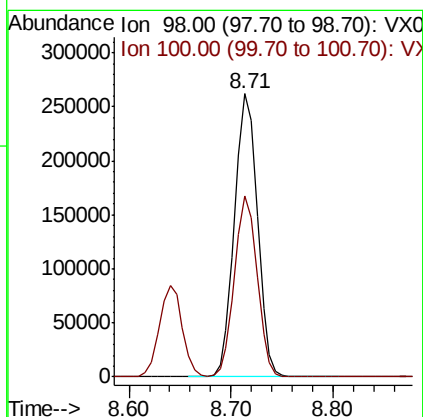
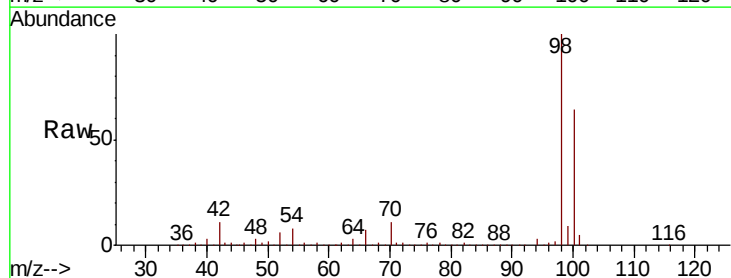
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion: 88 Resp: 62800
 Ion Ratio Lower Upper
 88 100
 43 28.6 22.9 34.3
 58 62.3 49.8 74.8



#50
 Toluene-d8
 Concen: 51.099 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX010902.D
 Acq: 16 Jul 2019 10:53

Tgt Ion: 98 Resp: 407071
 Ion Ratio Lower Upper
 98 100
 100 63.2 50.6 75.8

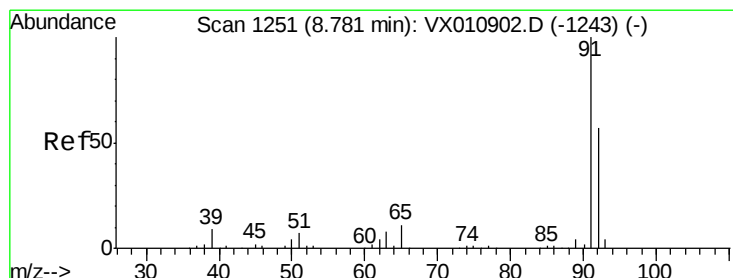
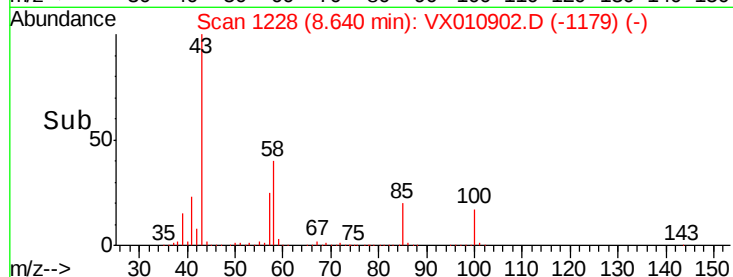
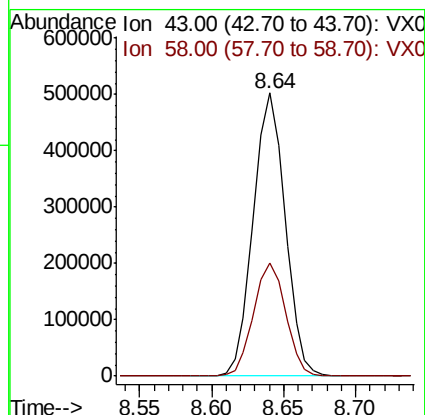
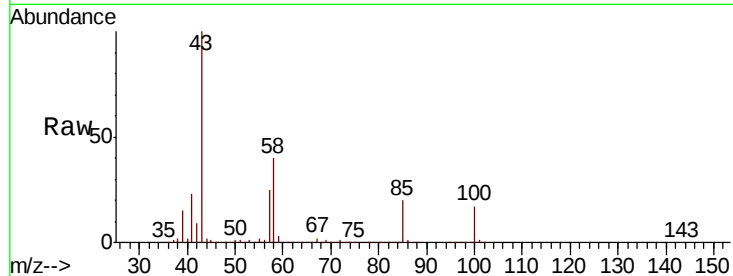




#51
4-Methyl-2-Pentanone
Concen: 260.210 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX010902.D
Acq: 16 Jul 2019 10:53

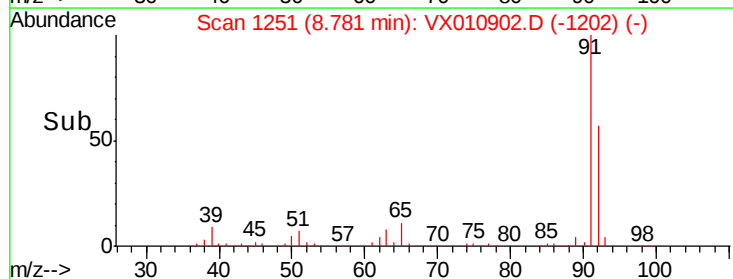
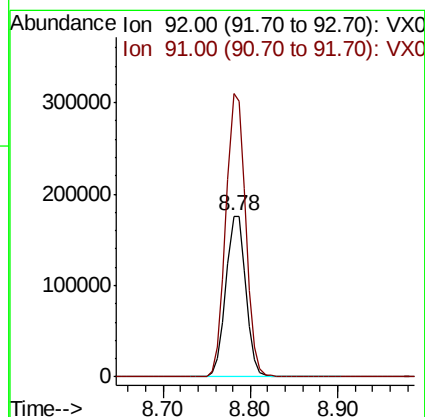
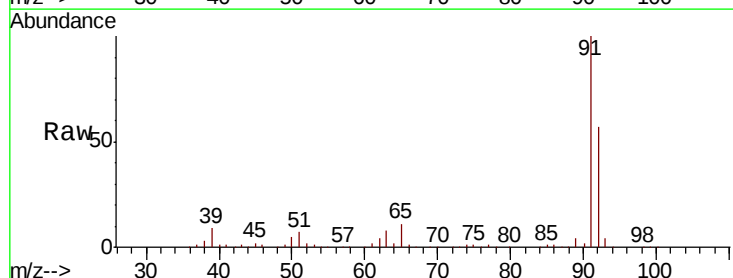
Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

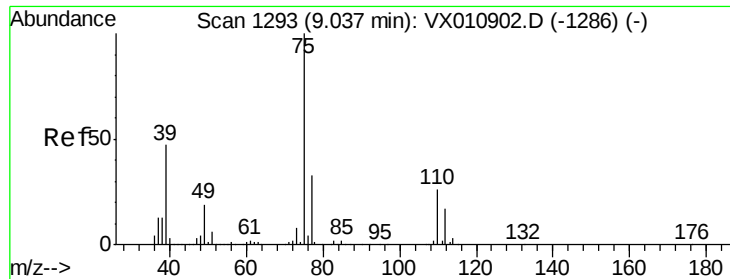
Tot Ion: 43 Resp: 770328
Ion Ratio Lower Upper
43 100
58 40.3 32.2 48.4



#52
Toluene
Concen: 50.097 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX010902.D
Acq: 16 Jul 2019 10:53

Tgt Ion: 92 Resp: 278092
Ion Ratio Lower Upper
92 100
91 174.2 139.4 209.0





#53

t-1,3-Dichloropropene

Concen: 49.726 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX010902.D

Acq: 16 Jul 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

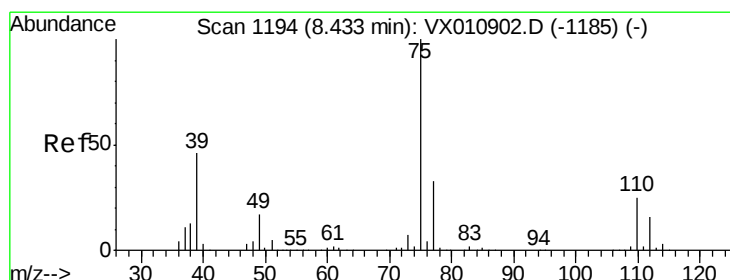
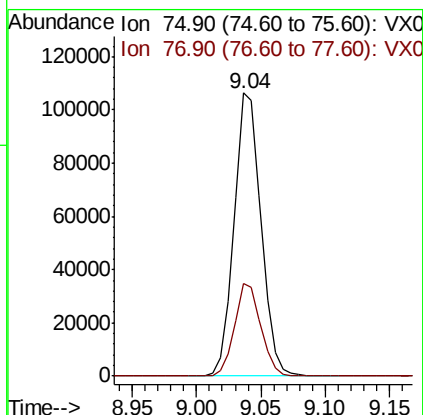
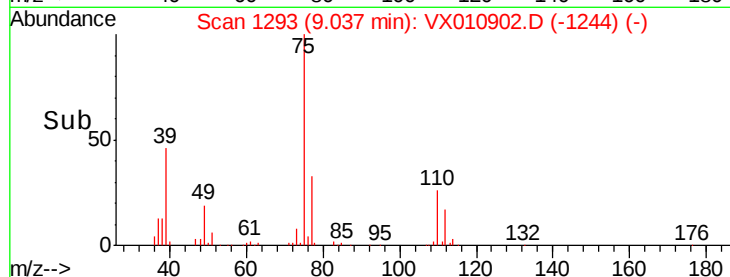
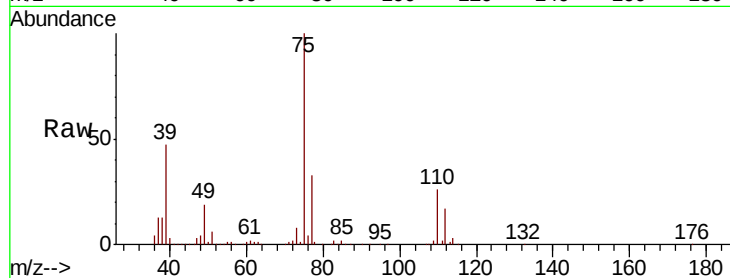
VSTDICCC050

Tot Ion: 75 Resp: 155233

Ion Ratio Lower Upper

75 100

77 32.7 26.2 39.2



#54

cis-1,3-Dichloropropene

Concen: 50.755 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX010902.D

Acq: 16 Jul 2019 10:53

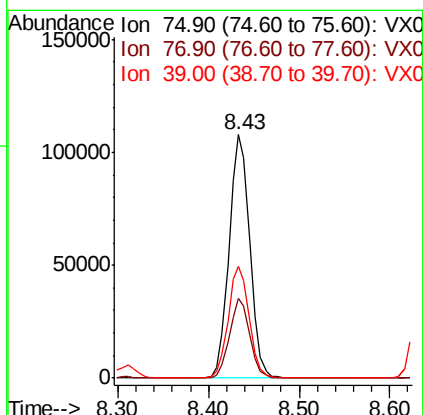
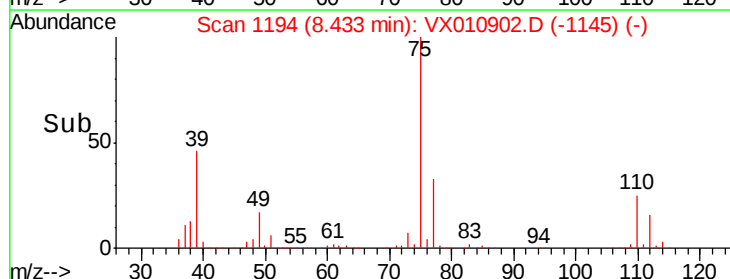
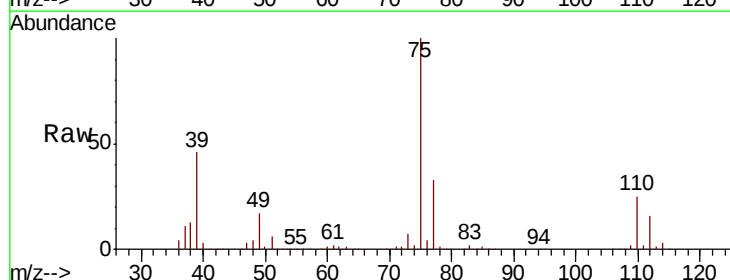
Tgt Ion: 75 Resp: 172704

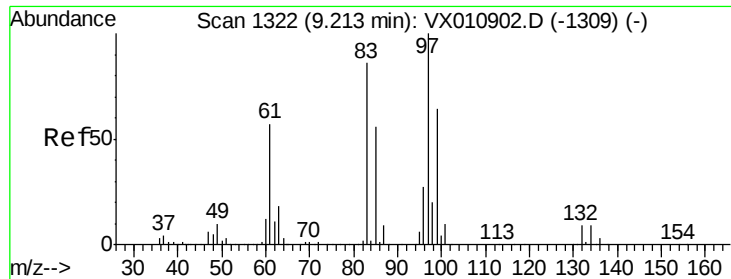
Ion Ratio Lower Upper

75 100

77 32.6 26.1 39.1

39 45.7 36.6 54.8

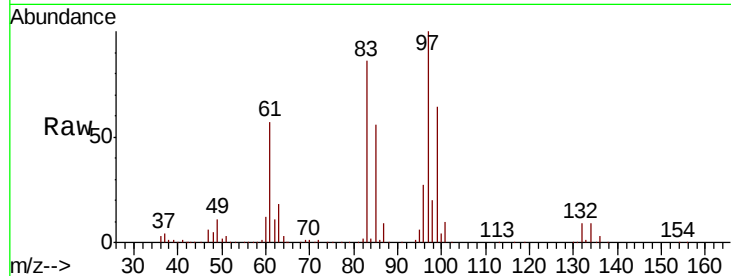




#55
 1,1,2-Trichloroethane
 Concen: 49.843 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010902.D
 Acq: 16 Jul 2019 10:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	113817
Ion	Ratio	Lower	Upper
97	100		
83	86.5	69.2	103.8
85	55.7	44.6	66.8
99	64.0	51.2	76.8



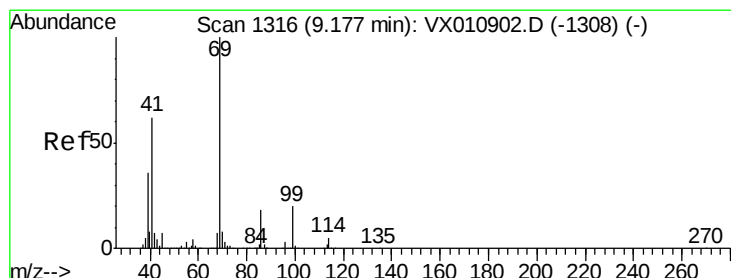
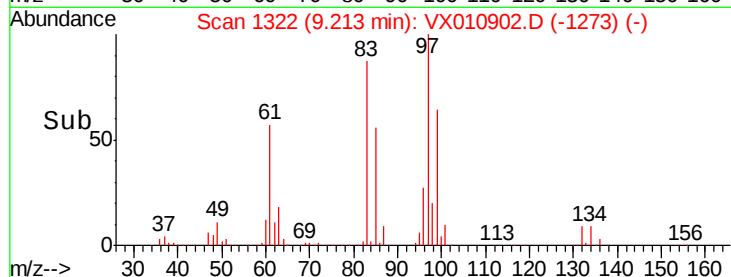
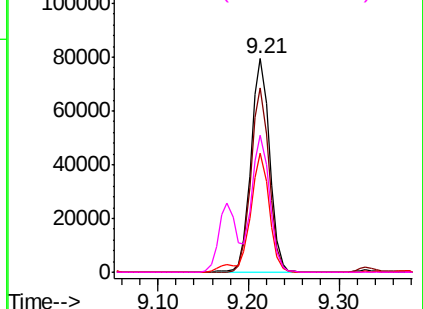
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

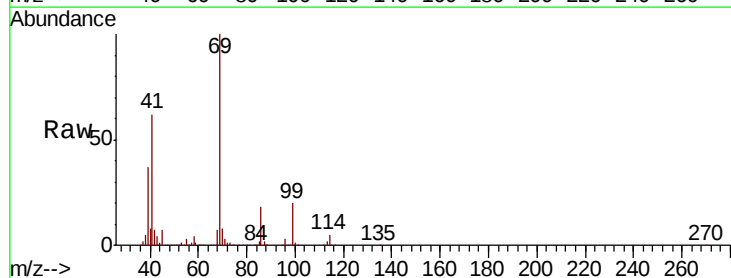
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 50.811 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010902.D
 Acq: 16 Jul 2019 10:53

Tgt Ion:	69	Resp:	175778
Ion	Ratio	Lower	Upper
69	100		
41	62.1	49.7	74.5
39	37.0	29.6	44.4

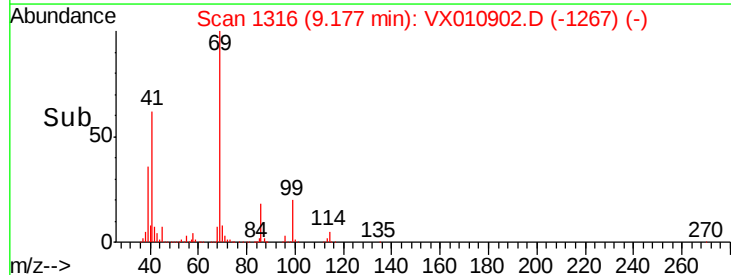
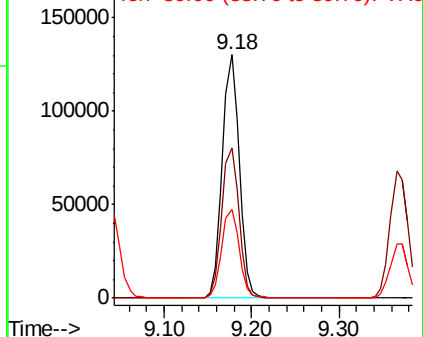


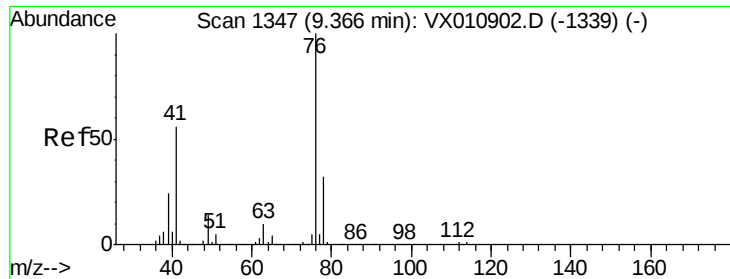
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 50.723 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX010902.D

Acq: 16 Jul 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

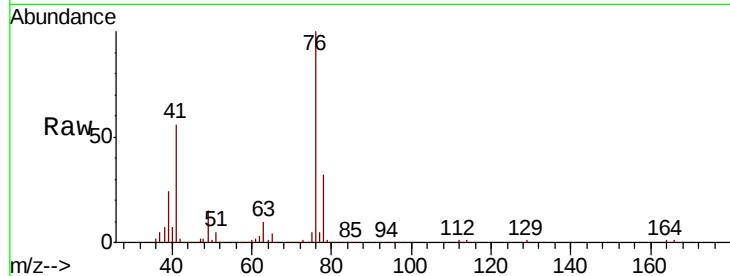
VSTDICCC050

Tot Ion: 76 Resp: 180533

Ion Ratio Lower Upper

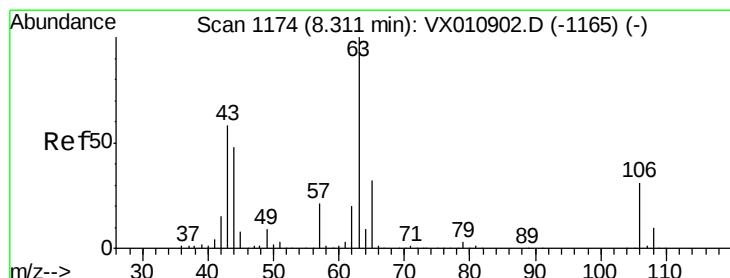
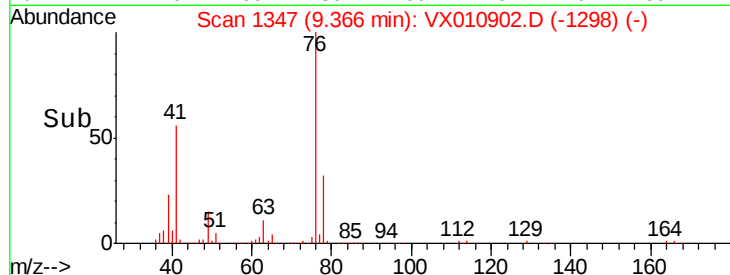
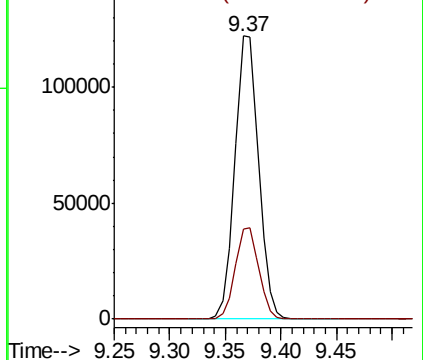
76 100

78 32.0 25.6 38.4



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: 253.331 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX010902.D

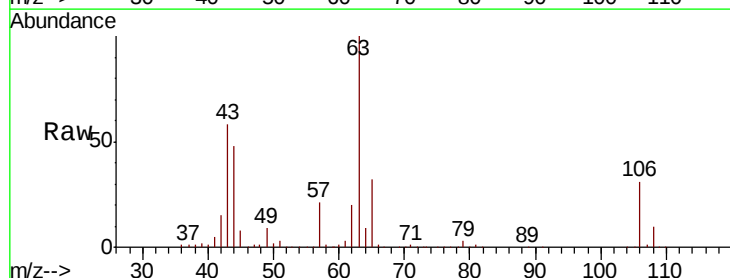
Acq: 16 Jul 2019 10:53

Tgt Ion: 63 Resp: 414805

Ion Ratio Lower Upper

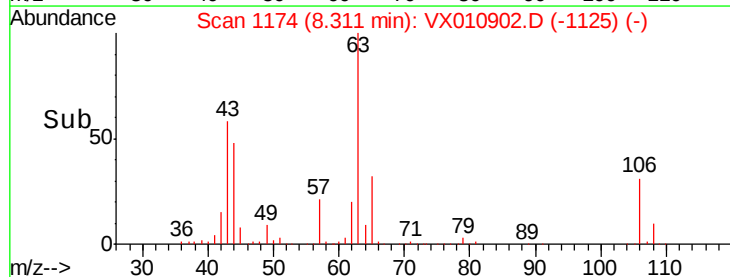
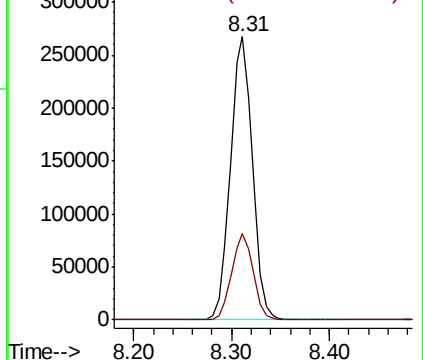
63 100

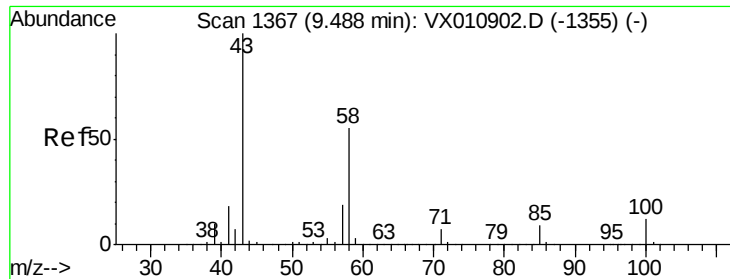
106 30.0 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

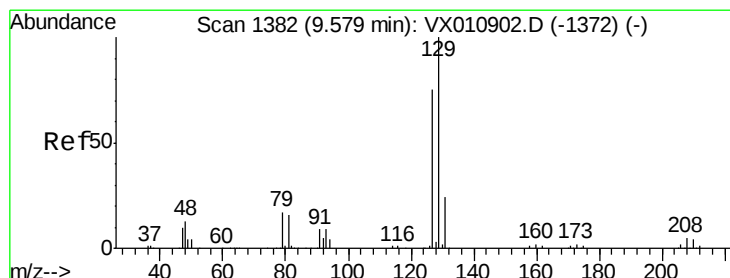
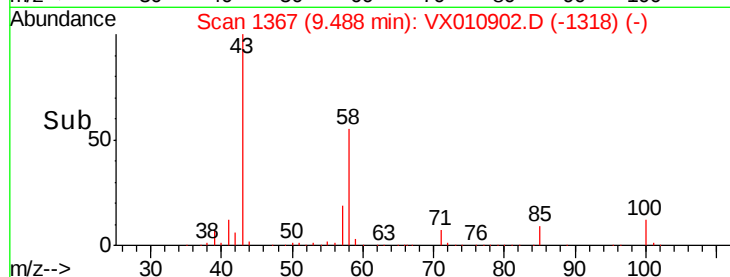
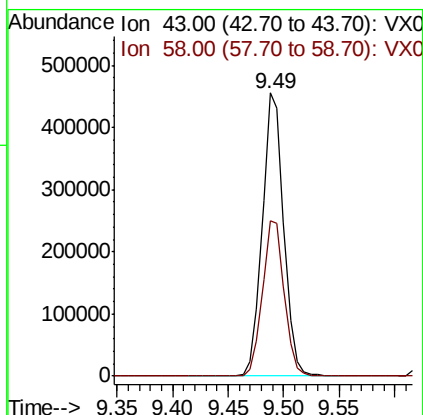
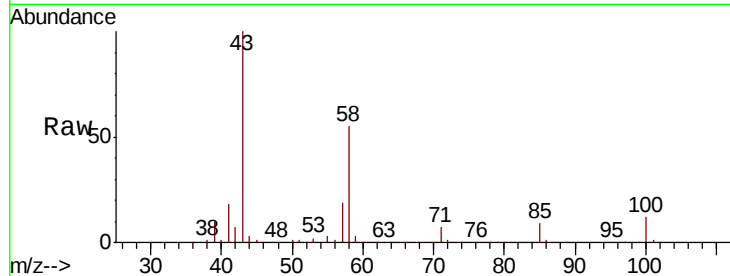




#59
2-Hexanone
Concen: 263.608 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010902.D
Acq: 16 Jul 2019 10:53

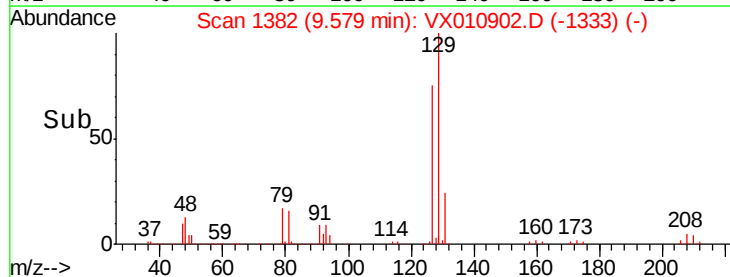
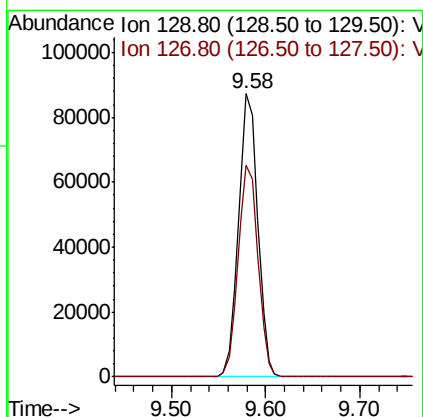
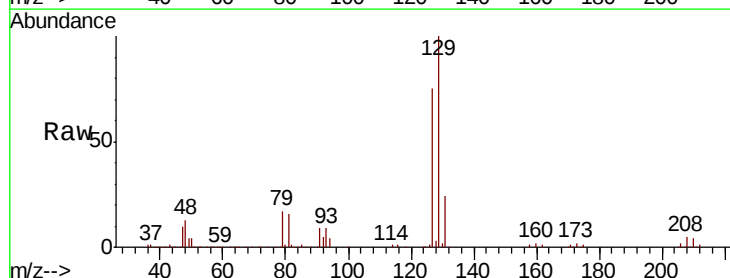
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 614227
Ion Ratio Lower Upper
43 100
58 55.9 28.0 83.9



#60
Dibromochloromethane
Concen: 49.001 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010902.D
Acq: 16 Jul 2019 10:53

Tgt Ion: 129 Resp: 124466
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 50.198 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010902.D

Acq: 16 Jul 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

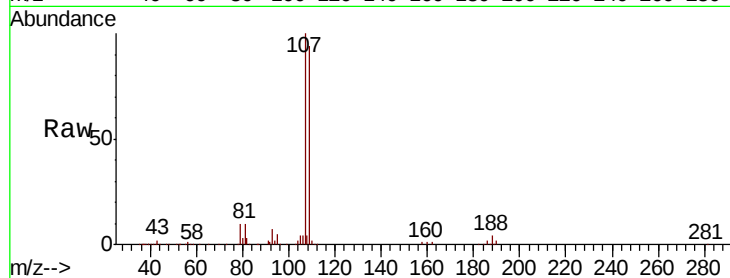
VSTDICCC050

Tot Ion:107 Resp: 123898

Ion Ratio Lower Upper

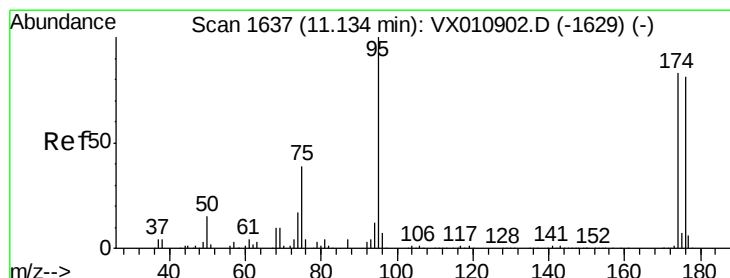
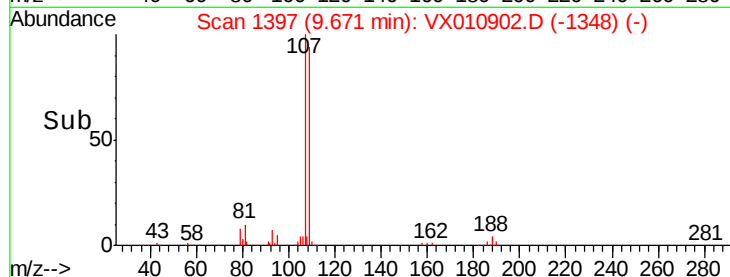
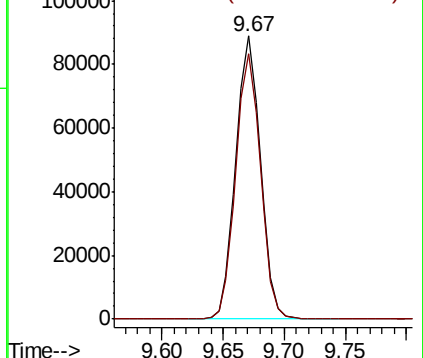
107 100

109 94.2 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.454 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010902.D

Acq: 16 Jul 2019 10:53

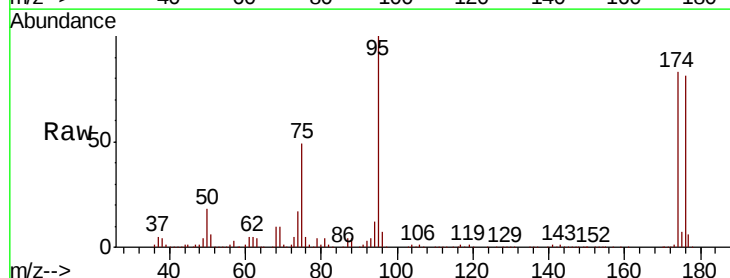
Tgt Ion: 95 Resp: 151804

Ion Ratio Lower Upper

95 100

174 90.3 0.0 180.6

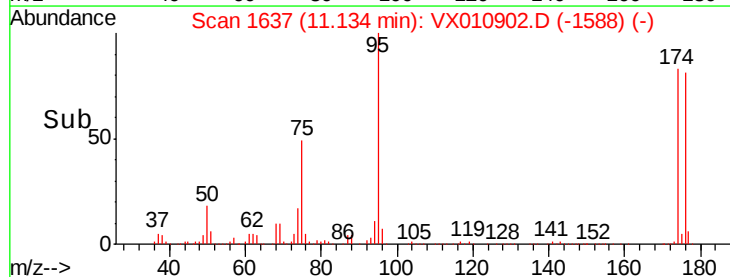
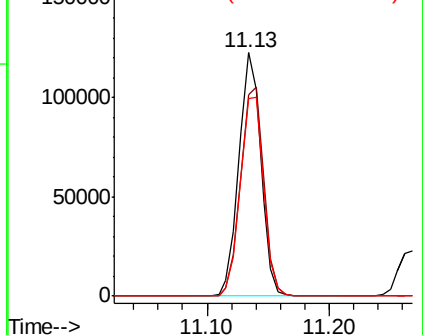
176 86.9 0.0 173.8



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

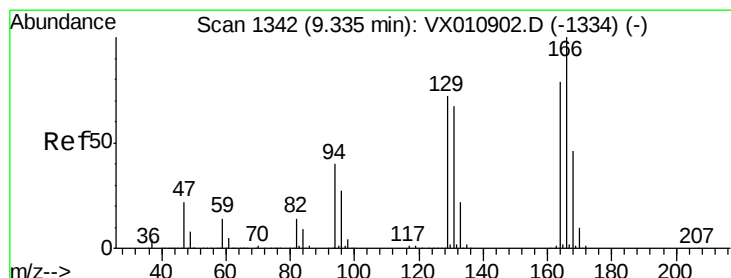
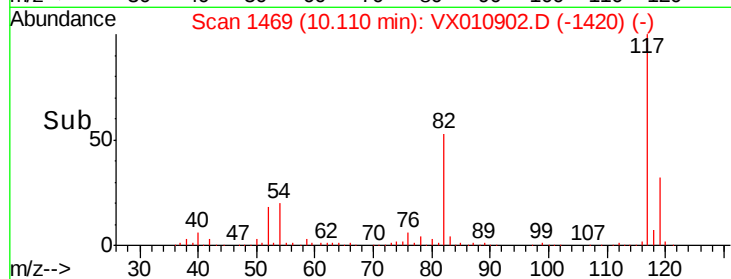
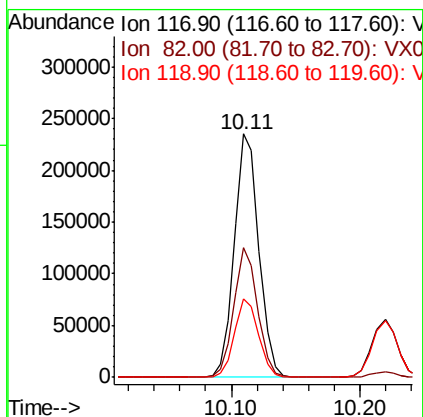
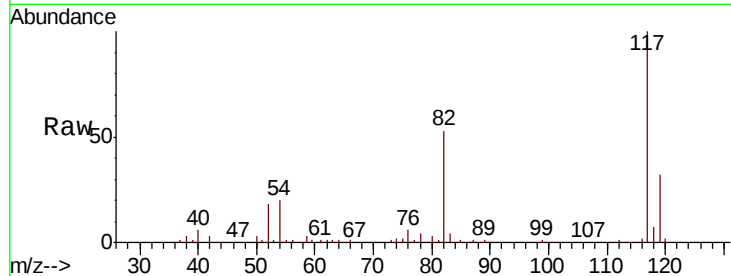




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010902.D
Acq: 16 Jul 2019 10:53

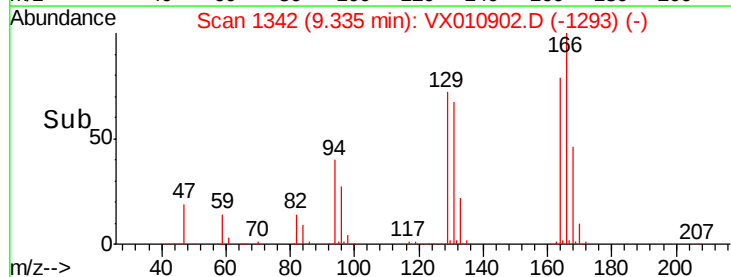
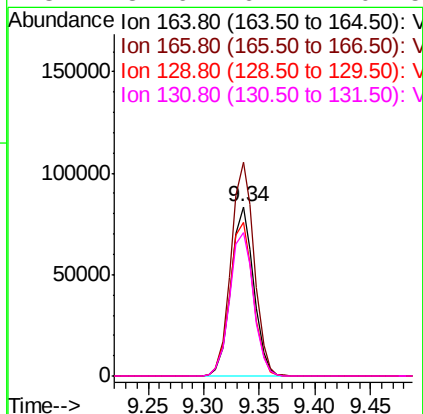
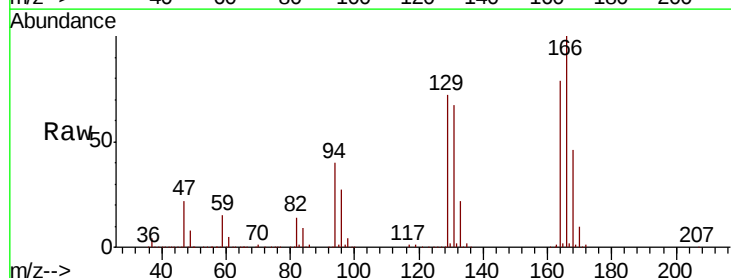
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

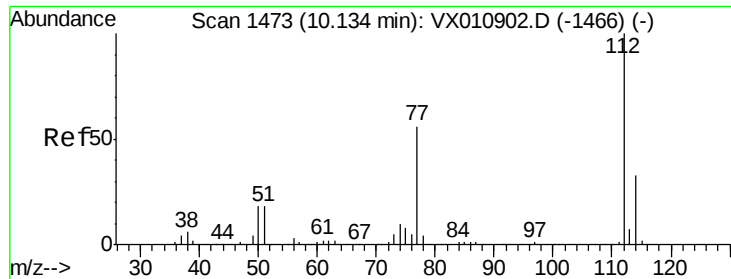
Tot Ion:117 Resp: 312329
Ion Ratio Lower Upper
117 100
82 53.2 42.6 63.8
119 32.4 25.9 38.9



#64
Tetrachloroethene
Concen: 46.794 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010902.D
Acq: 16 Jul 2019 10:53

Tgt Ion:164 Resp: 117727
Ion Ratio Lower Upper
164 100
166 126.0 100.8 151.2
129 90.8 72.6 109.0
131 84.6 67.7 101.5

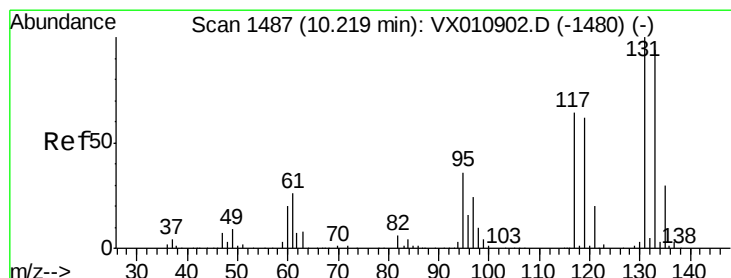
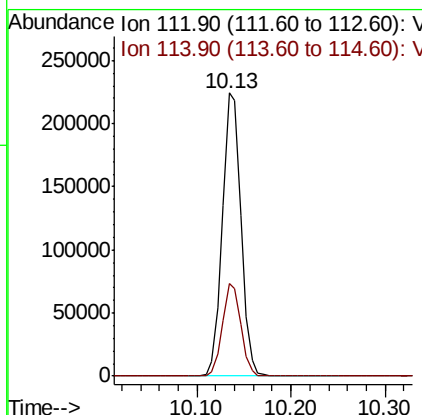
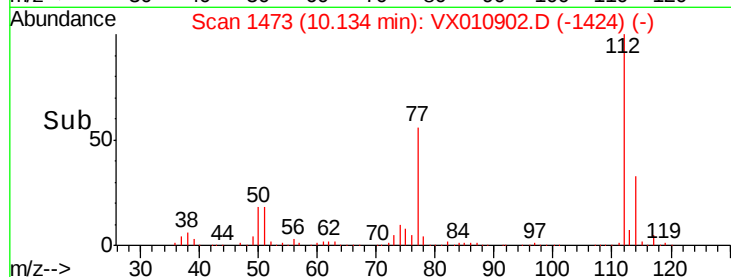
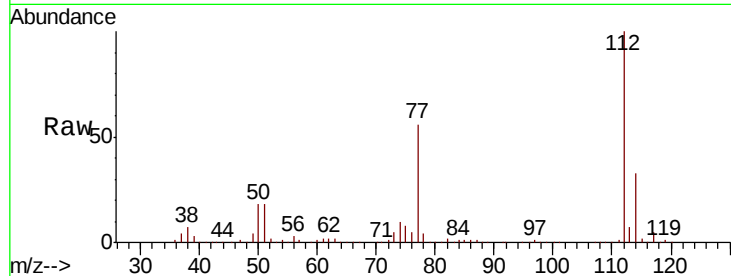




#65
Chlorobenzene
Concen: 48.527 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX010902.D
Acq: 16 Jul 2019 10:53

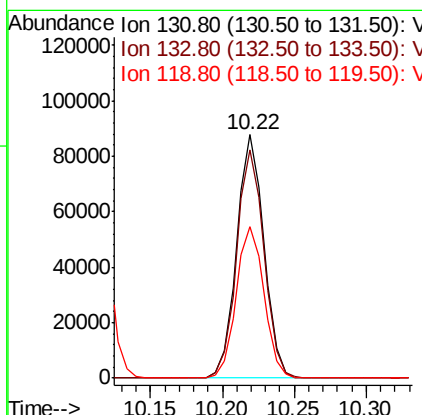
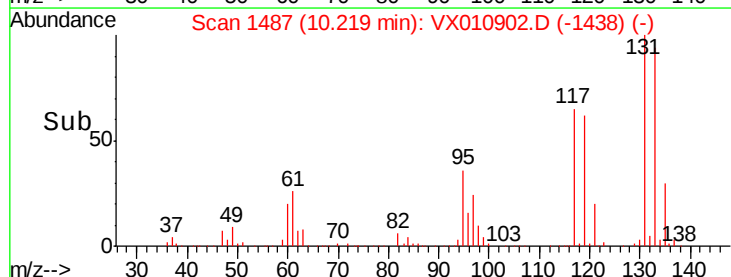
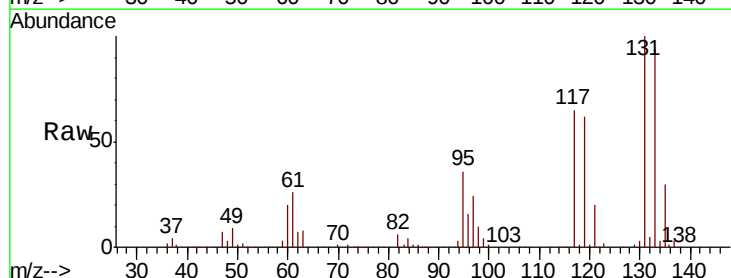
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

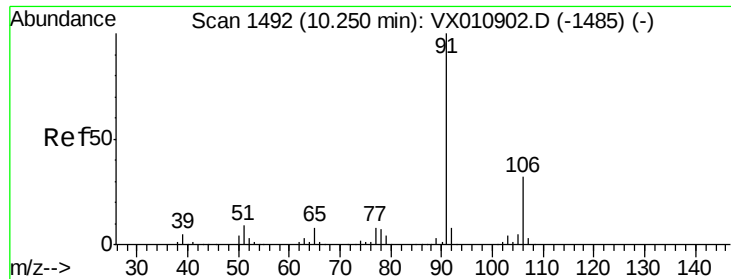
Tot Ion:112 Resp: 307063
Ion Ratio Lower Upper
112 100
114 32.8 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 50.115 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010902.D
Acq: 16 Jul 2019 10:53

Tgt Ion:131 Resp: 115458
Ion Ratio Lower Upper
131 100
133 94.3 47.1 141.4
119 63.8 31.9 95.7

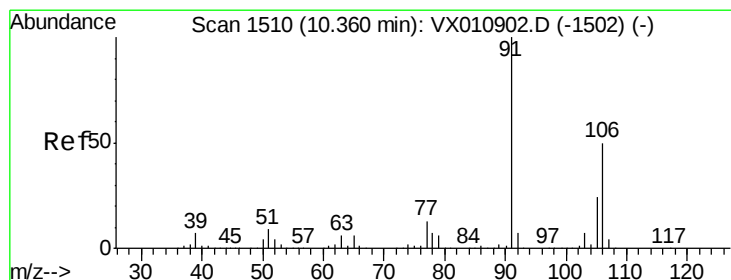
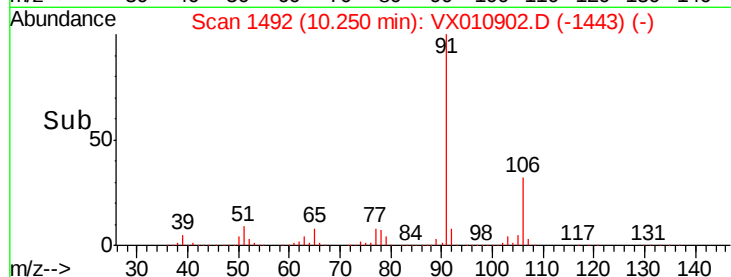
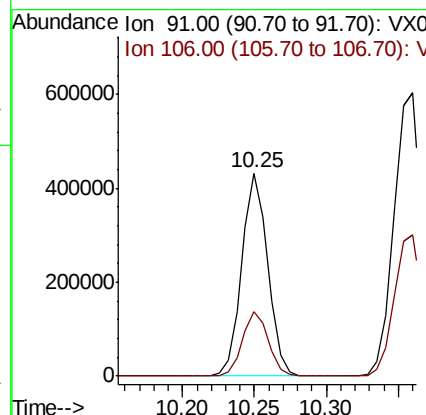
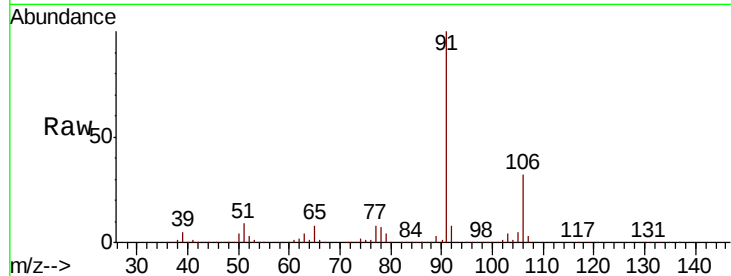




#67
Ethyl Benzene
Concen: 50.510 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010902.D
Acq: 16 Jul 2019 10:53

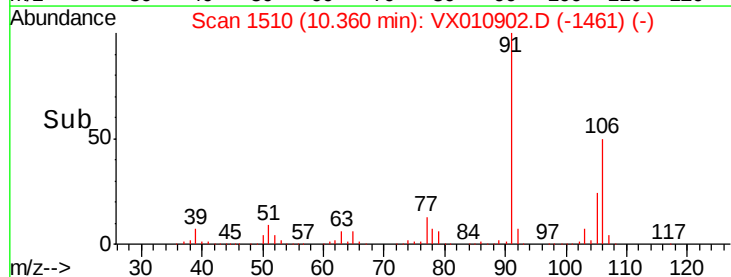
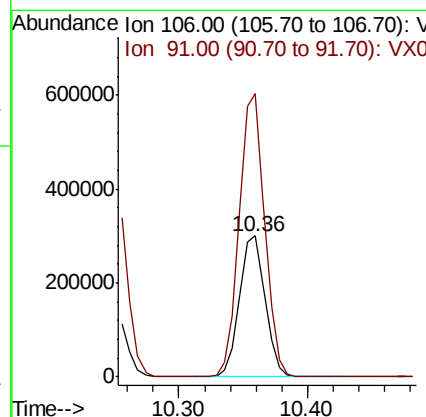
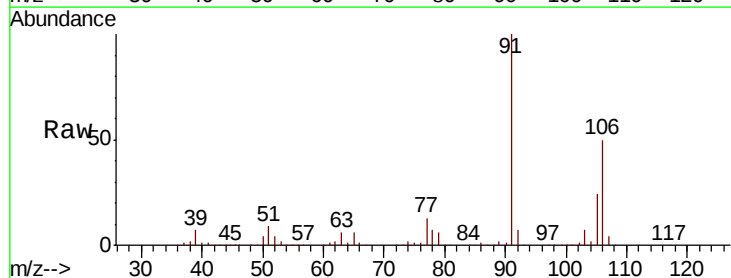
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

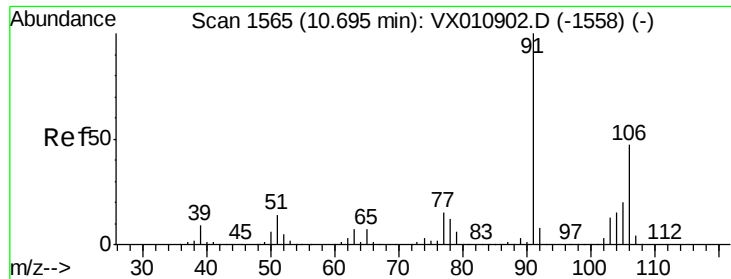
Tot Ion: 91 Resp: 542616
Ion Ratio Lower Upper
91 100
106 31.8 25.4 38.2



#68
m/p-Xylenes
Concen: 100.304 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010902.D
Acq: 16 Jul 2019 10:53

Tgt Ion: 106 Resp: 416503
Ion Ratio Lower Upper
106 100
91 200.1 160.1 240.1

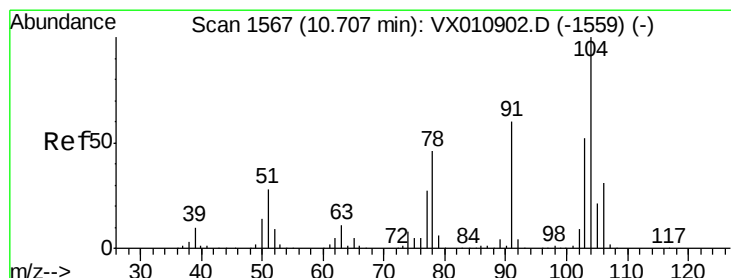
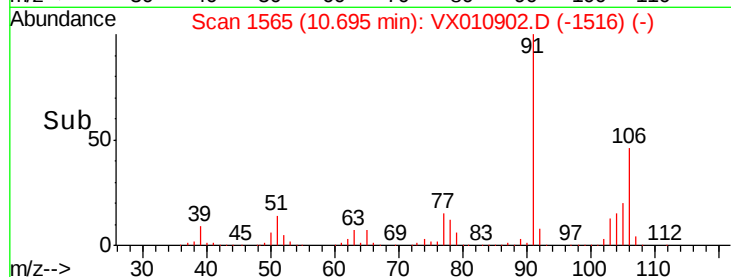
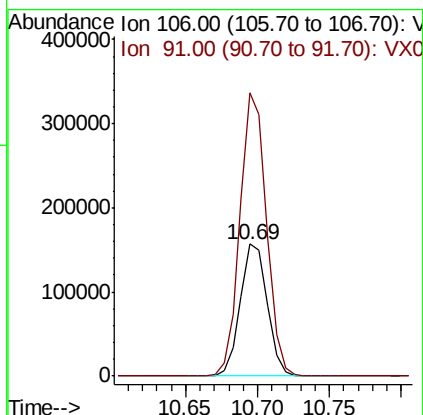
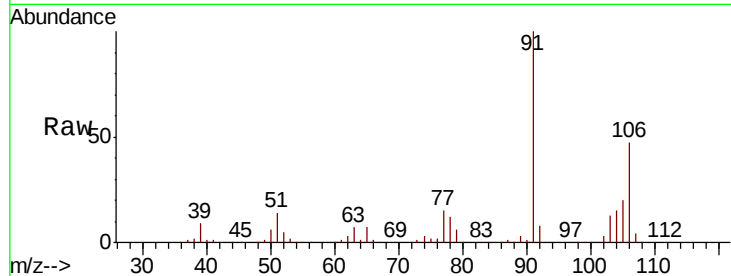




#69
o-Xylene
Concen: 49.862 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010902.D
Acq: 16 Jul 2019 10:53

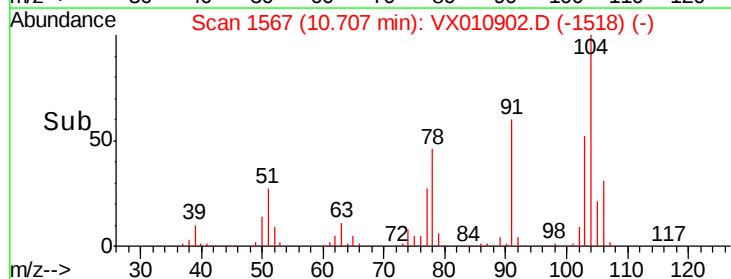
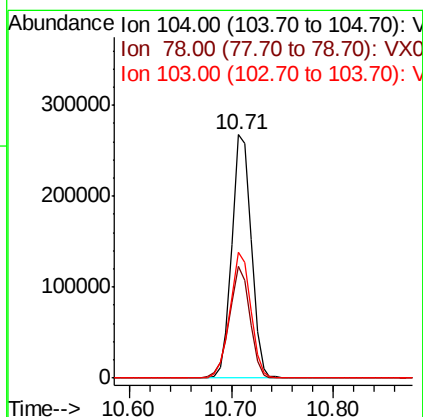
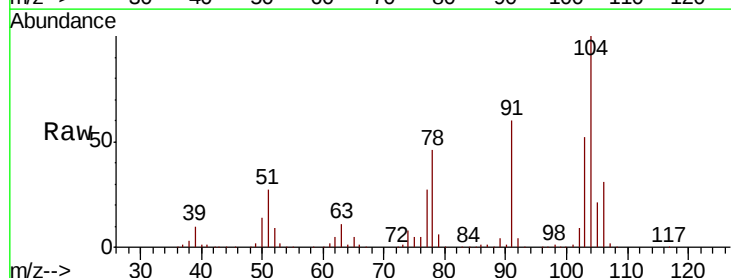
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

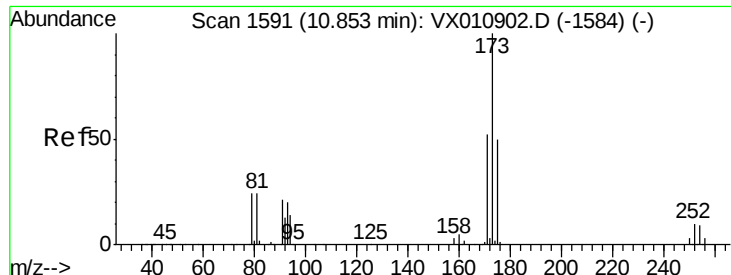
Tot Ion:106 Resp: 203862
Ion Ratio Lower Upper
106 100
91 210.2 105.1 315.3



#70
Styrene
Concen: 51.101 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX010902.D
Acq: 16 Jul 2019 10:53

Tgt Ion:104 Resp: 350252
Ion Ratio Lower Upper
104 100
78 48.5 38.8 58.2
103 55.3 44.2 66.4





#71

Bromoform

Concen: 48.031 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010902.D

Acq: 16 Jul 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

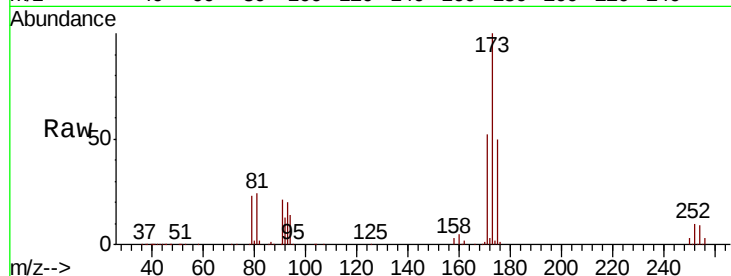
Tot Ion:173 Resp: 94605

Ion Ratio Lower Upper

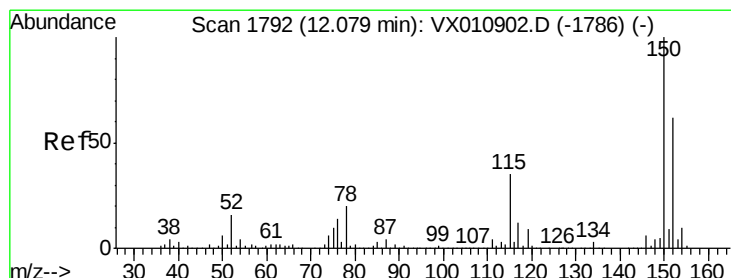
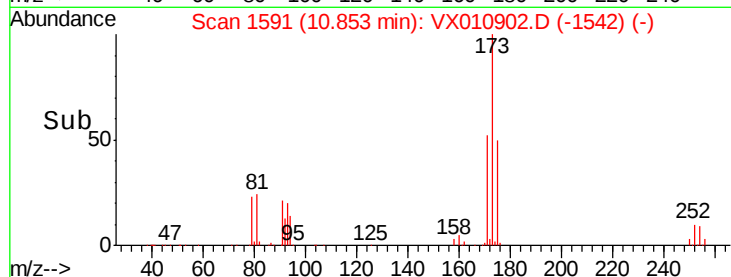
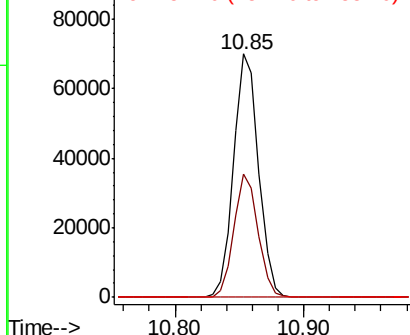
173 100

175 49.1 24.6 73.6

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010902.D

Acq: 16 Jul 2019 10:53

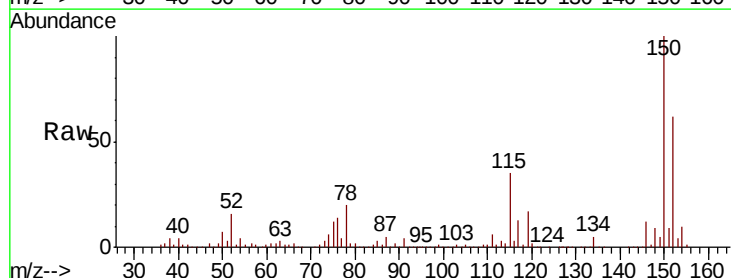
Tgt Ion:152 Resp: 166496

Ion Ratio Lower Upper

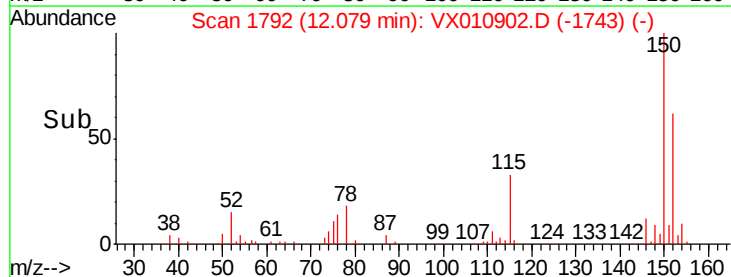
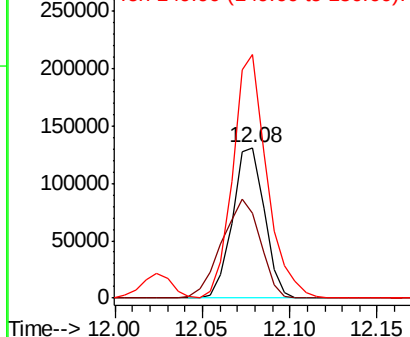
152 100

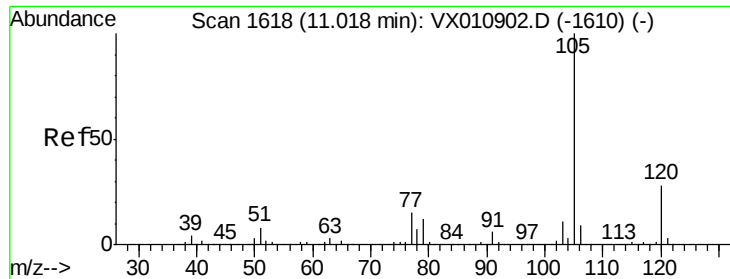
115 79.4 39.7 119.1

150 172.8 0.0 345.6



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

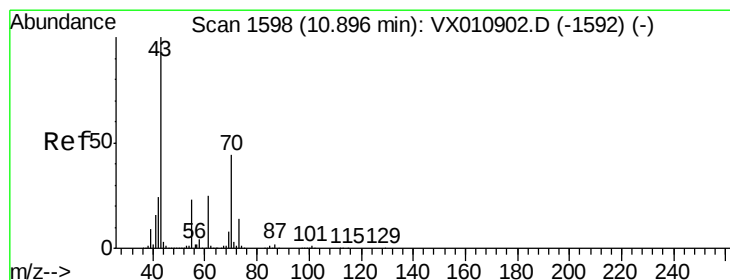
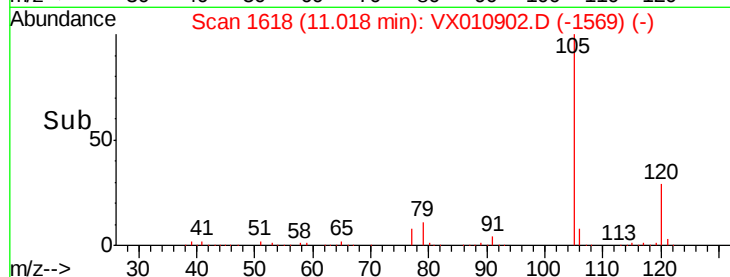
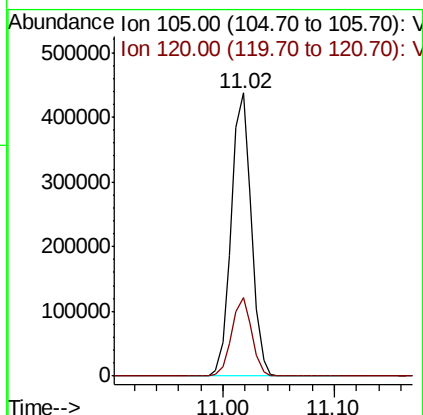
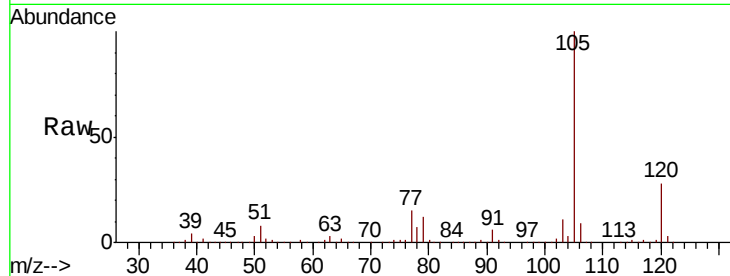




#73
Isopropylbenzene
Concen: 48.277 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX010902.D
Acq: 16 Jul 2019 10:53

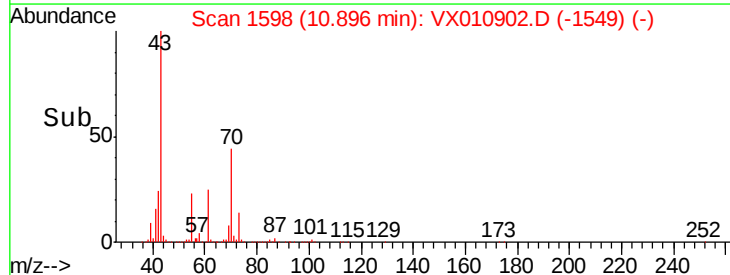
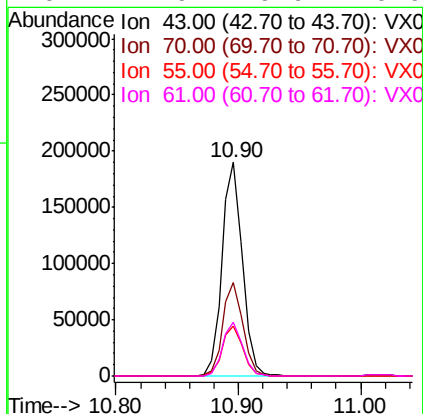
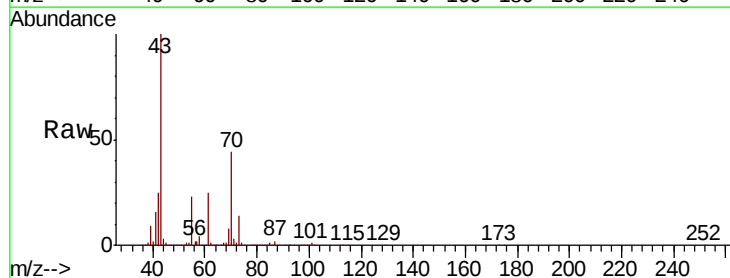
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

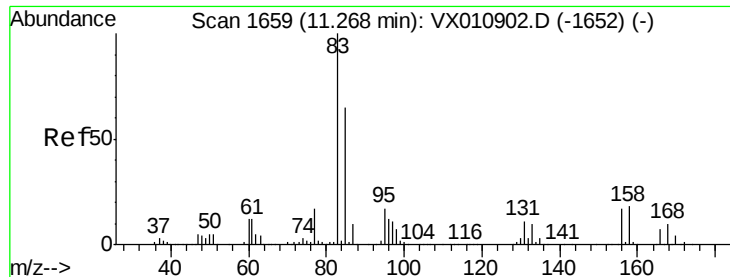
Tot Ion:105 Resp: 543824
Ion Ratio Lower Upper
105 100
120 27.4 13.7 41.1



#74
N-ethyl acetate
Concen: 51.331 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX010902.D
Acq: 16 Jul 2019 10:53

Tgt Ion: 43 Resp: 218897
Ion Ratio Lower Upper
43 100
70 43.4 34.7 52.1
55 23.9 19.1 28.7
61 24.9 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 48.497 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010902.D

Acq: 16 Jul 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

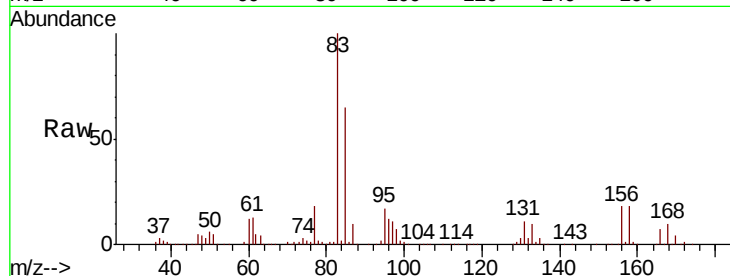
Tot Ion: 83 Resp: 180716

Ion Ratio Lower Upper

83 100

131 10.9 5.5 16.4

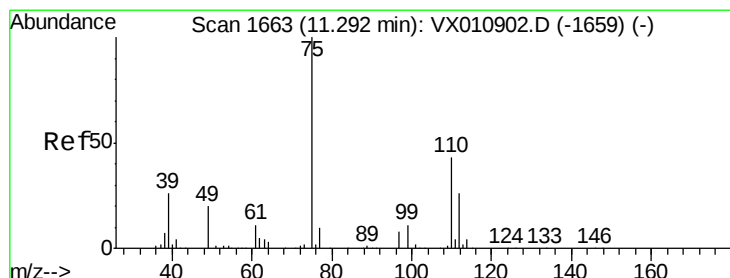
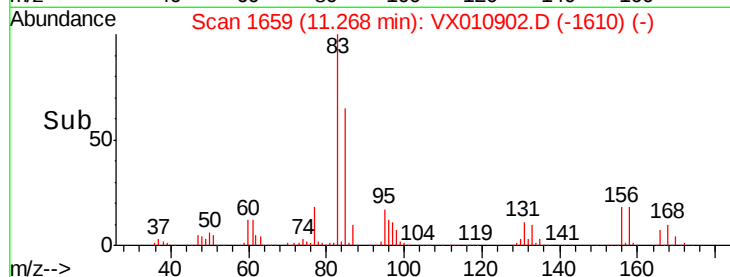
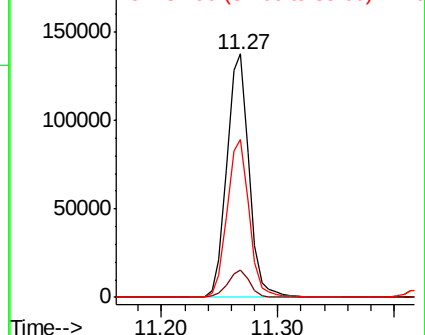
85 64.6 32.3 96.9



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: 66.412 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX010902.D

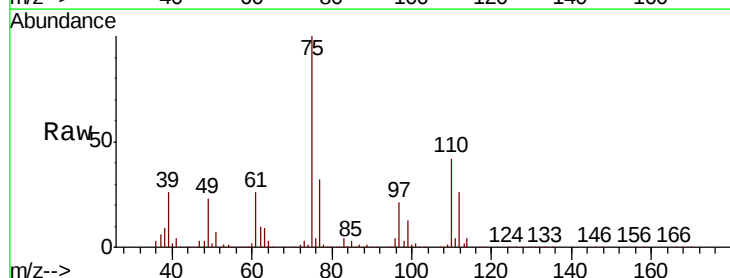
Acq: 16 Jul 2019 10:53

Tgt Ion: 75 Resp: 201110

Ion Ratio Lower Upper

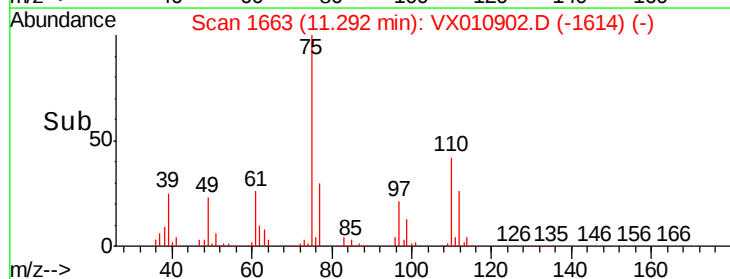
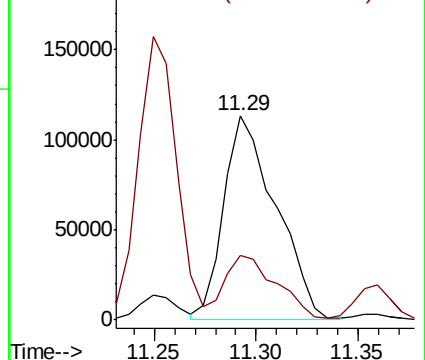
75 100

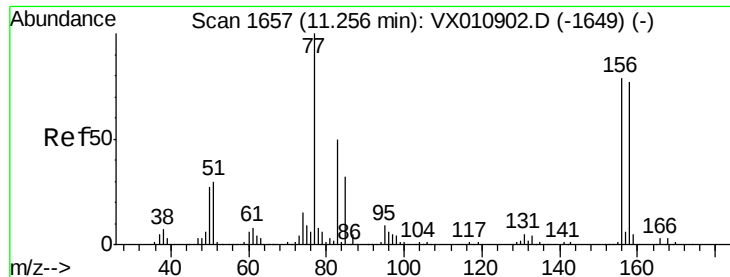
77 31.7 21.3 64.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 47.477 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010902.D

Acq: 16 Jul 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

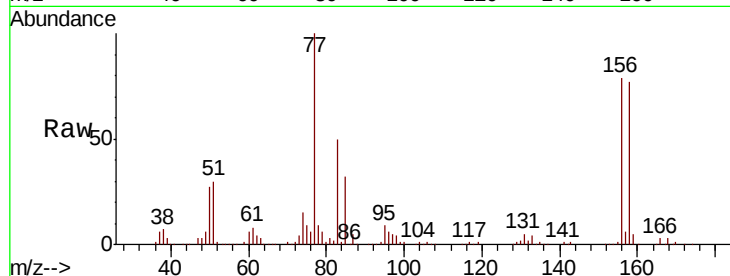
Tot Ion:156 Resp: 149031

Ion Ratio Lower Upper

156 100

77 137.4 68.7 206.1

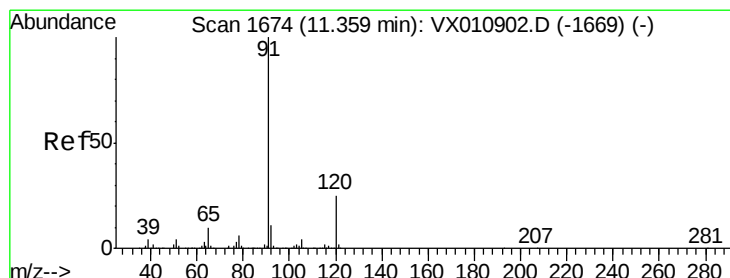
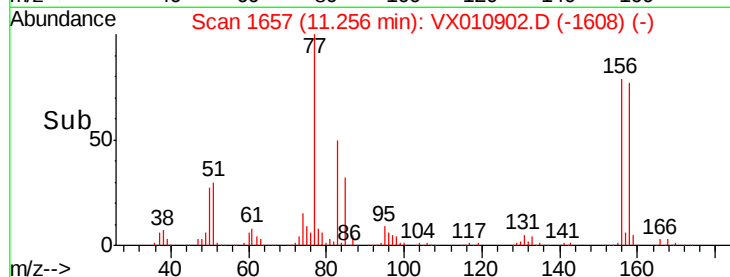
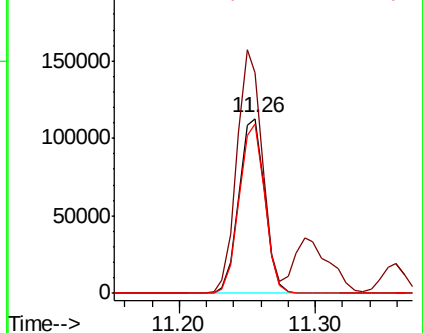
158 95.8 47.9 143.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.689 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010902.D

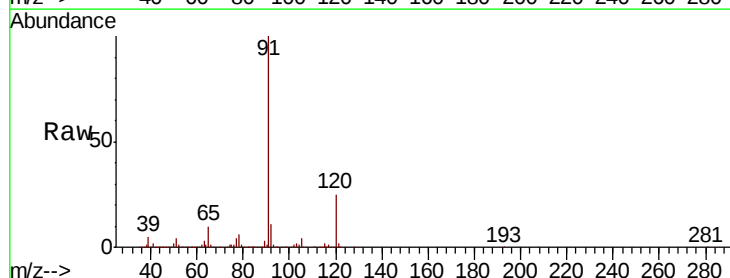
Acq: 16 Jul 2019 10:53

Tgt Ion: 91 Resp: 615705

Ion Ratio Lower Upper

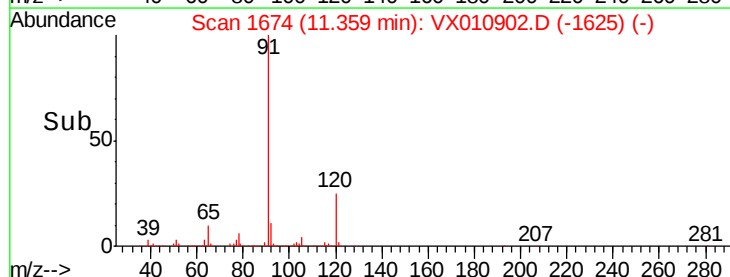
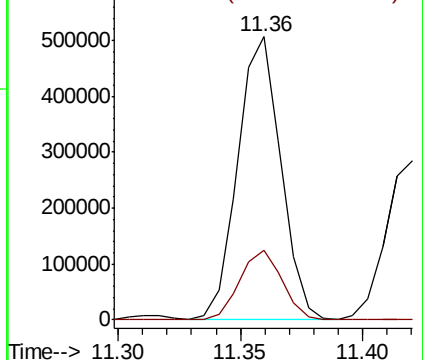
91 100

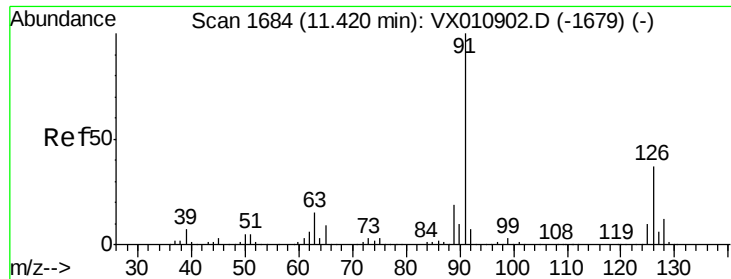
120 24.5 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

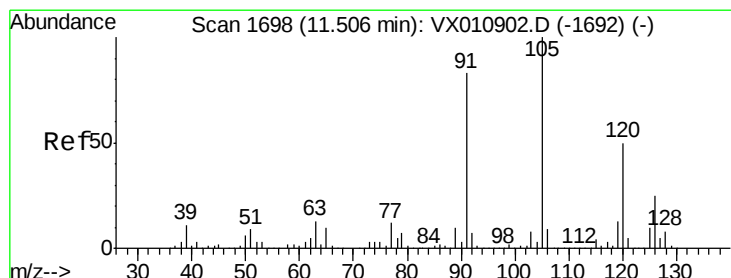
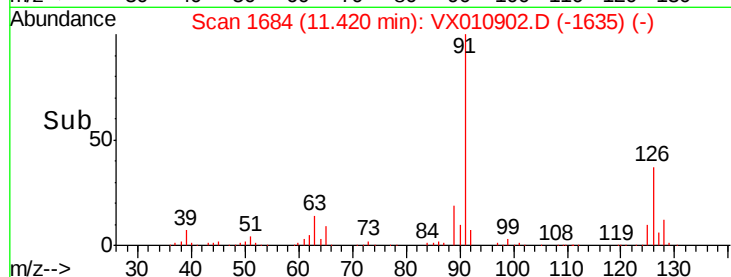
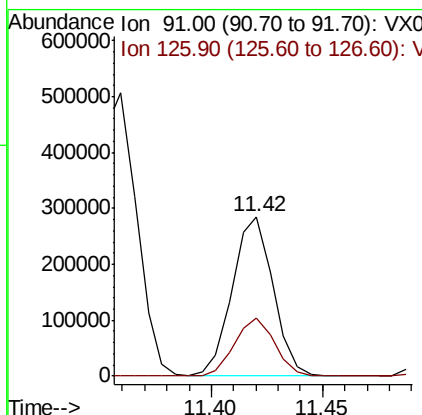
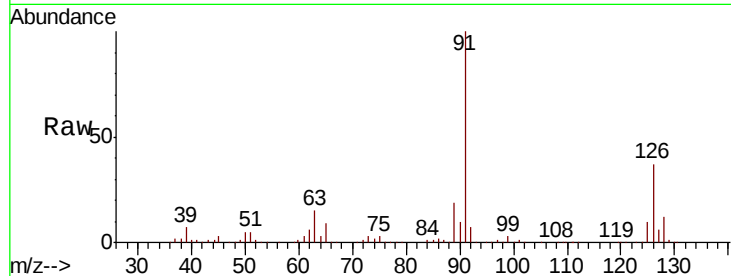




#79
 2-Chlorotoluene
 Concen: 49.168 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX010902.D
 Acq: 16 Jul 2019 10:53

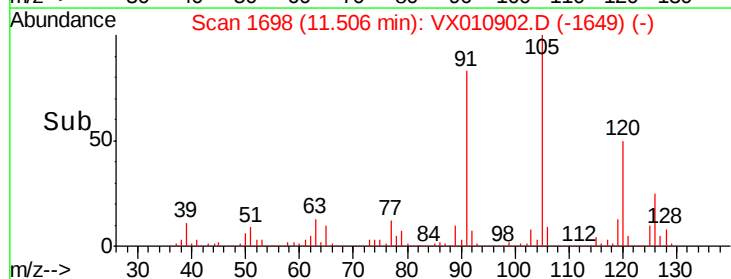
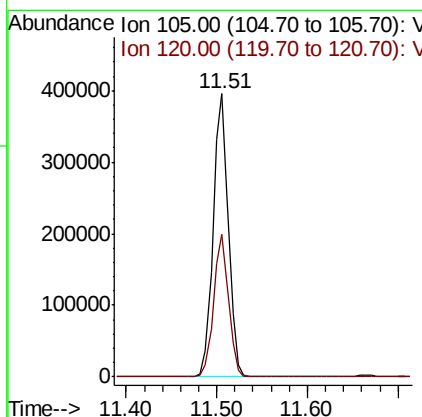
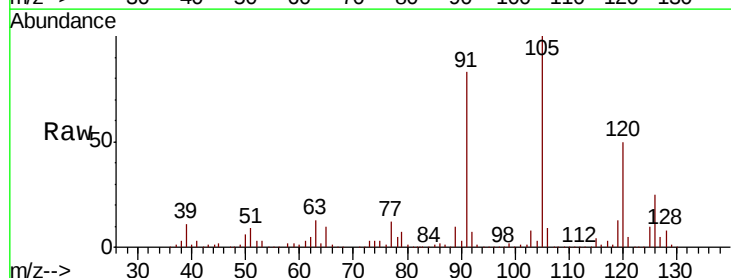
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

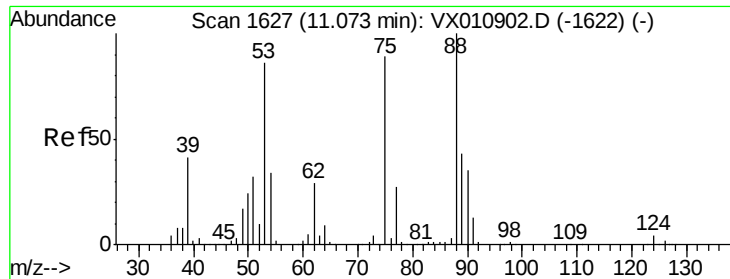
Tot Ion: 91 Resp: 363308
 Ion Ratio Lower Upper
 91 100
 126 36.0 18.0 54.0



#80
 1,3,5-Trimethylbenzene
 Concen: 50.245 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX010902.D
 Acq: 16 Jul 2019 10:53

Tgt Ion: 105 Resp: 467929
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 43.971 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010902.D

Acq: 16 Jul 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

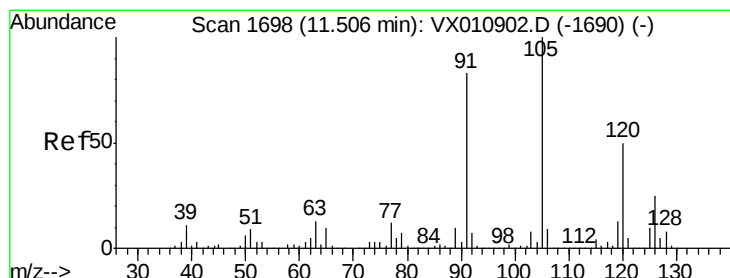
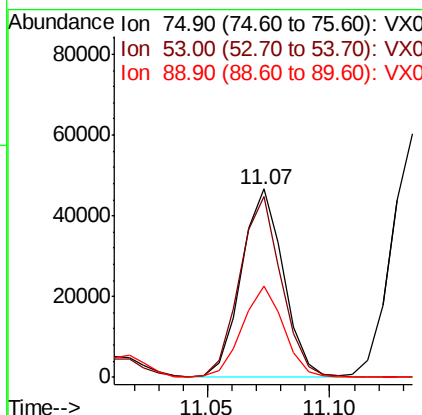
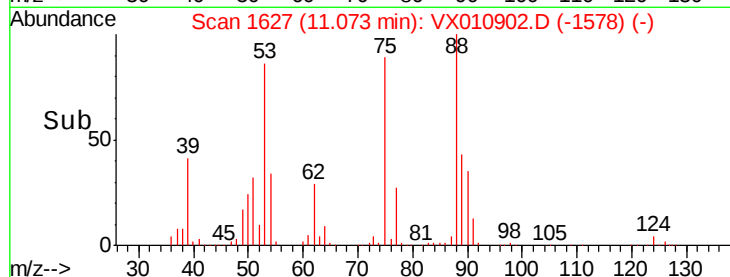
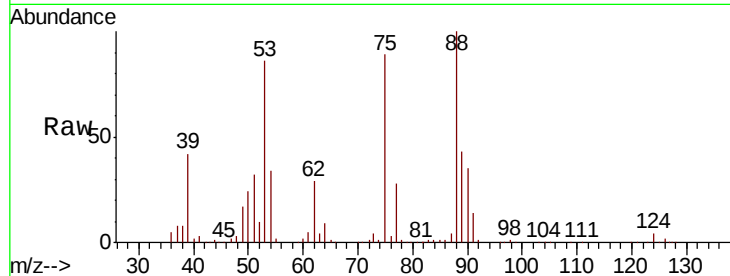
Tot Ion: 75 Resp: 55310

Ion Ratio Lower Upper

75 100

53 95.9 76.7 115.1

89 48.1 38.5 57.7



#82

4-Chlorotoluene

Concen: 50.379 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010902.D

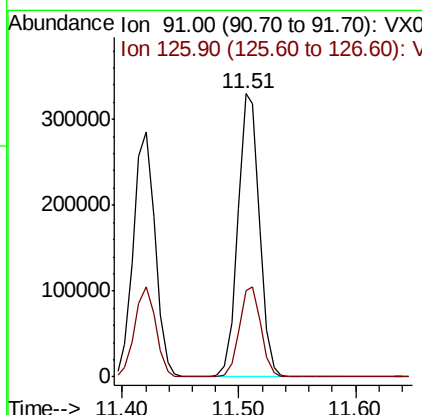
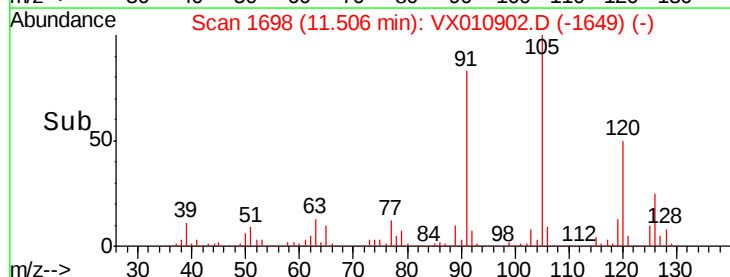
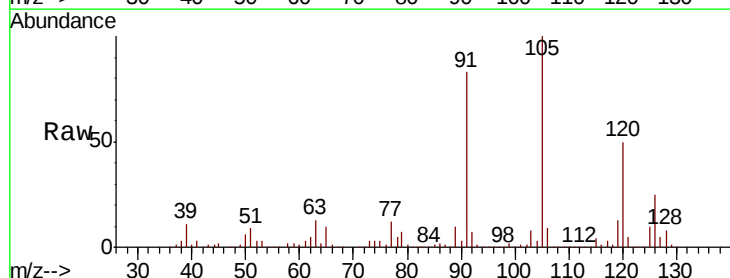
Acq: 16 Jul 2019 10:53

Tgt Ion: 91 Resp: 424086

Ion Ratio Lower Upper

91 100

126 31.8 15.9 47.7

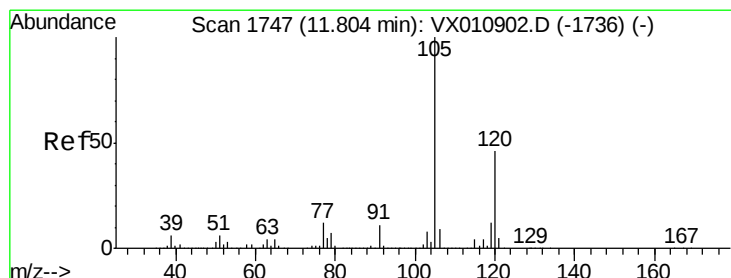
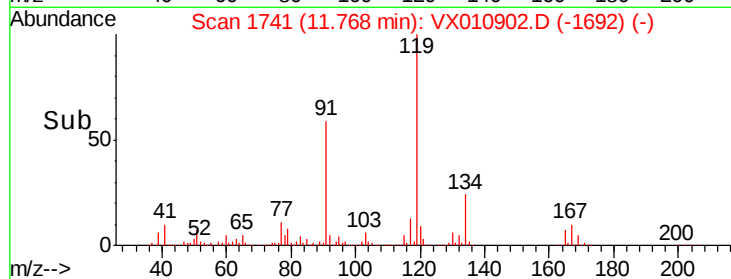
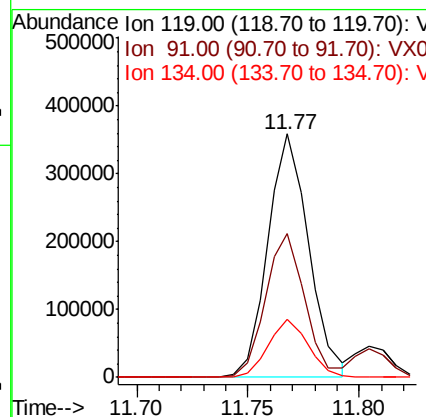
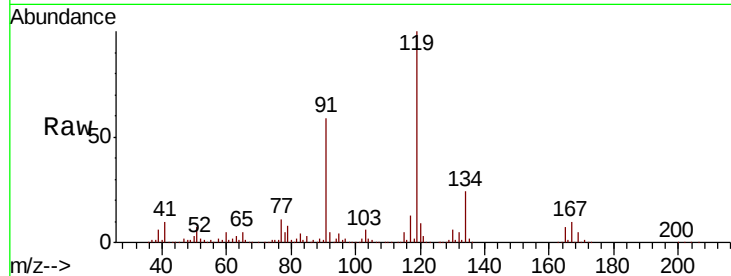




#83
tert-Butylbenzene
Concen: 49.013 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010902.D
Acq: 16 Jul 2019 10:53

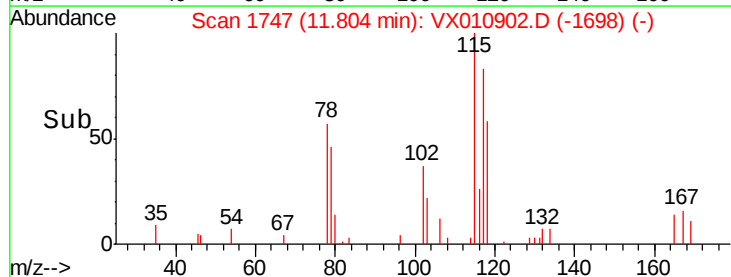
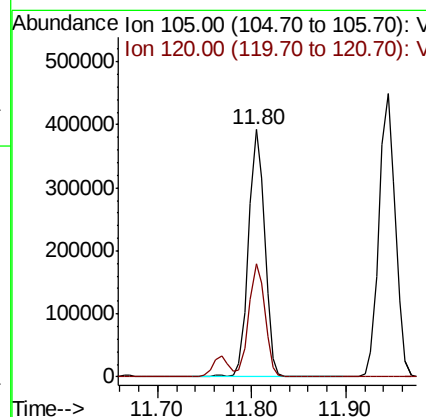
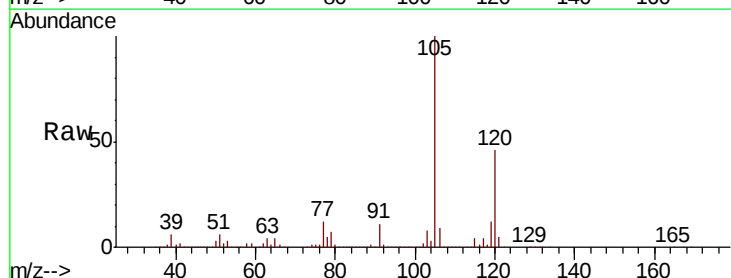
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

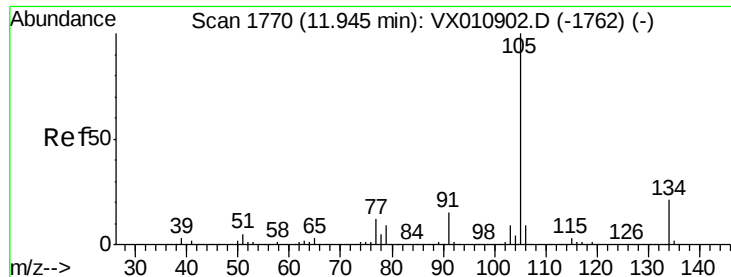
Tot Ion:119 Resp: 456888
Ion Ratio Lower Upper
119 100
91 57.2 28.6 85.8
134 23.2 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 50.350 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX010902.D
Acq: 16 Jul 2019 10:53

Tgt Ion:105 Resp: 470323
Ion Ratio Lower Upper
105 100
120 45.7 22.9 68.5





#85

sec-Butylbenzene

Concen: 49.470 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010902.D

Acq: 16 Jul 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

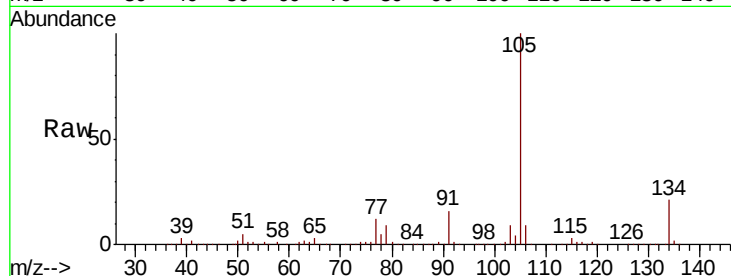
VSTDICCC050

Tot Ion:105 Resp: 541496

Ion Ratio Lower Upper

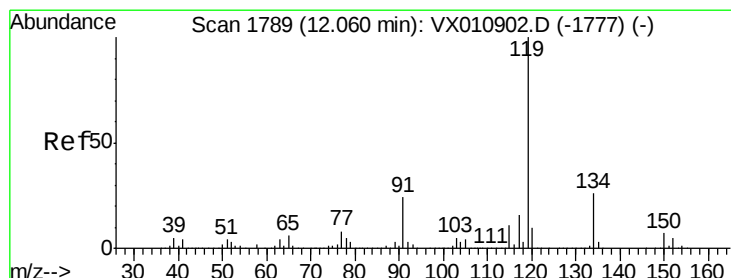
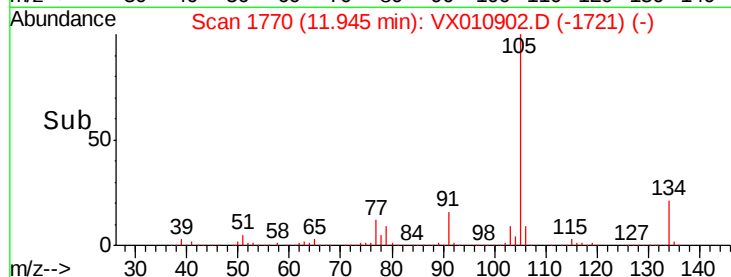
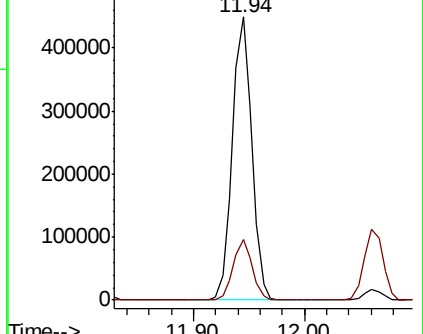
105 100

134 20.9 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.691 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010902.D

Acq: 16 Jul 2019 10:53

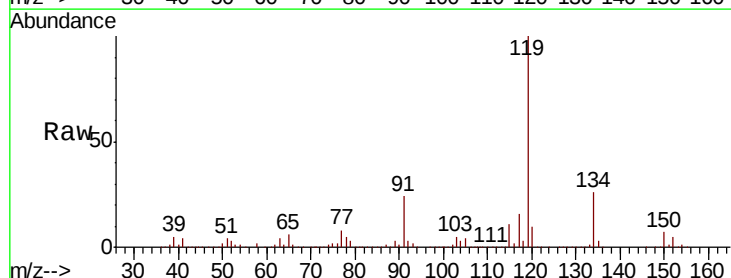
Tgt Ion:119 Resp: 503188

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

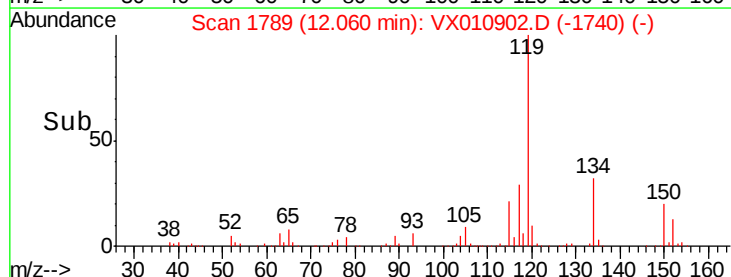
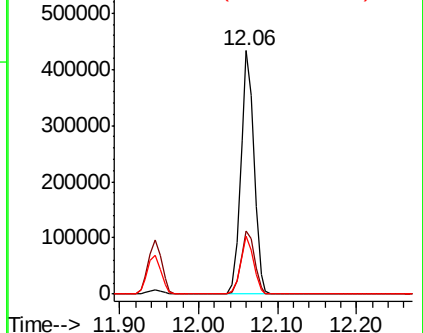
91 23.6 11.8 35.4

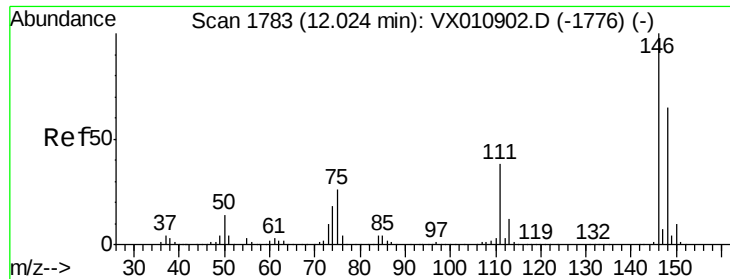


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 47.911 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX010902.D

Acq: 16 Jul 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

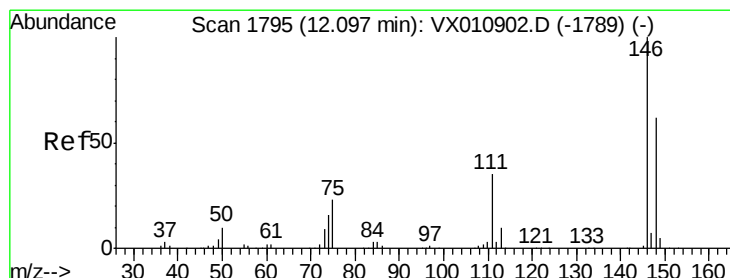
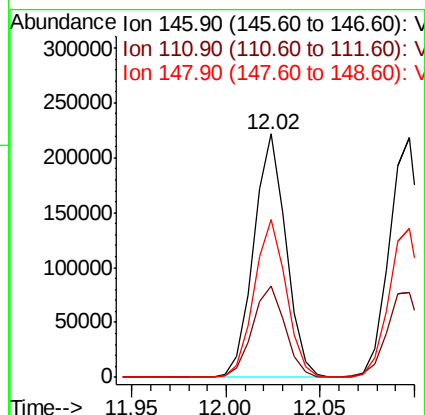
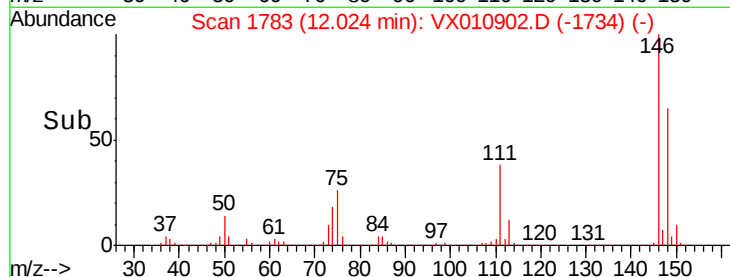
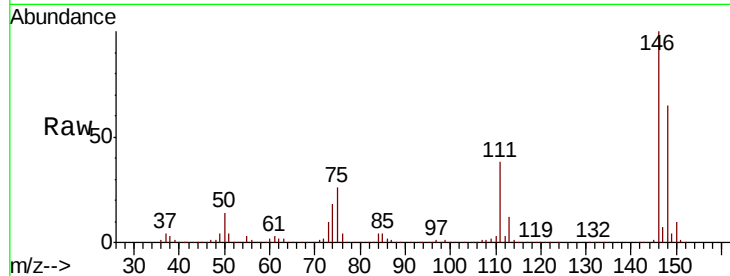
Tot Ion:146 Resp: 262963

Ion Ratio Lower Upper

146 100

111 37.9 18.9 56.9

148 64.4 32.2 96.6



#88

1,4-Dichlorobenzene

Concen: 47.695 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX010902.D

Acq: 16 Jul 2019 10:53

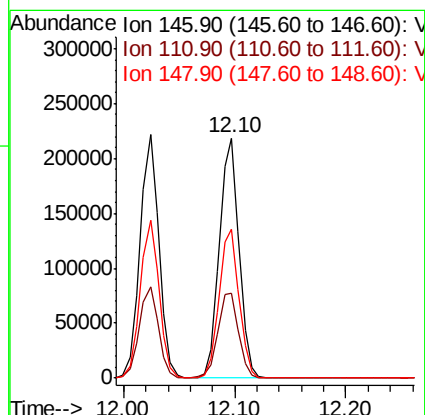
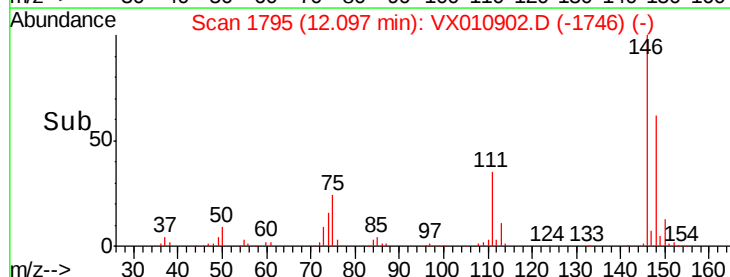
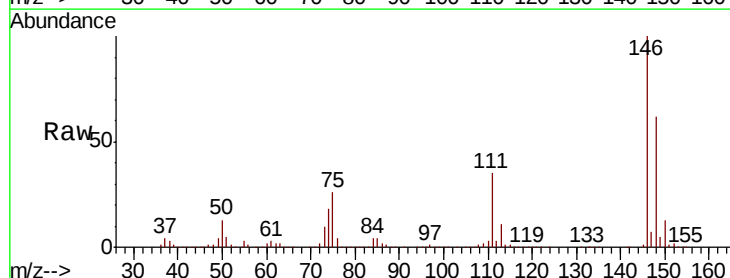
Tgt Ion:146 Resp: 266845

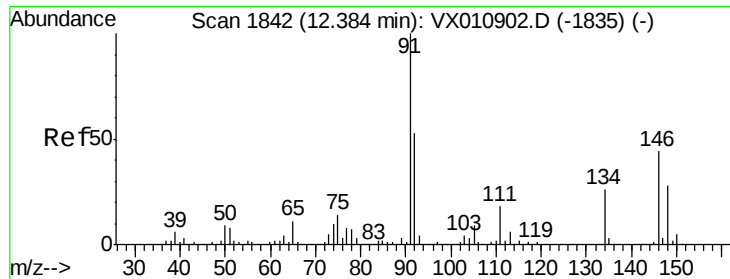
Ion Ratio Lower Upper

146 100

111 37.2 18.6 55.8

148 63.1 31.6 94.7

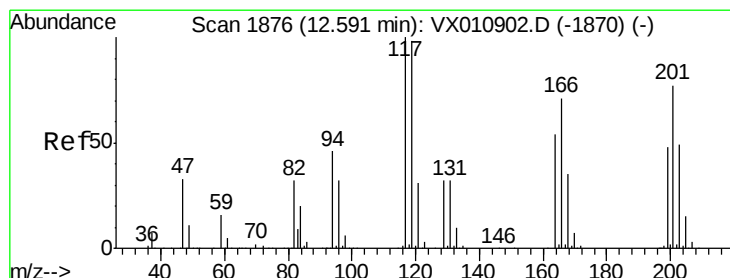
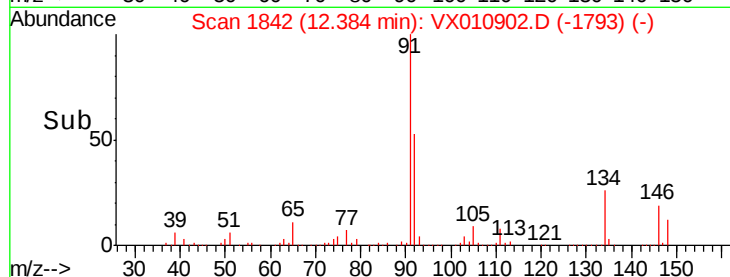
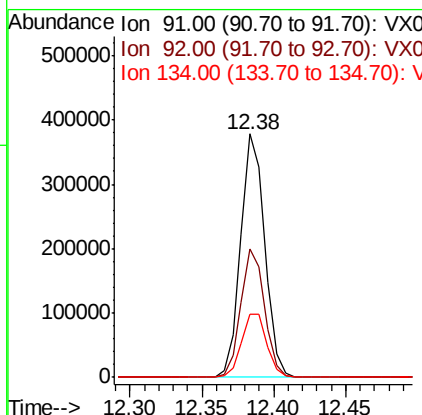
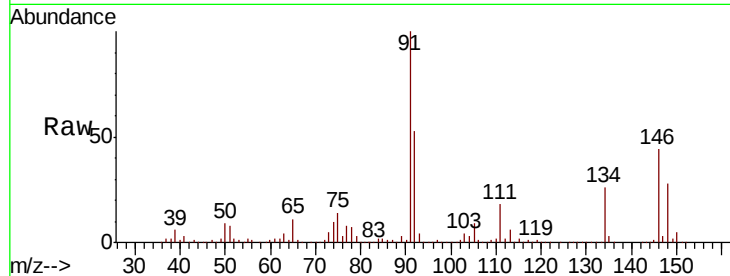




#89
n-Butylbenzene
Concen: 50.790 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010902.D
Acq: 16 Jul 2019 10:53

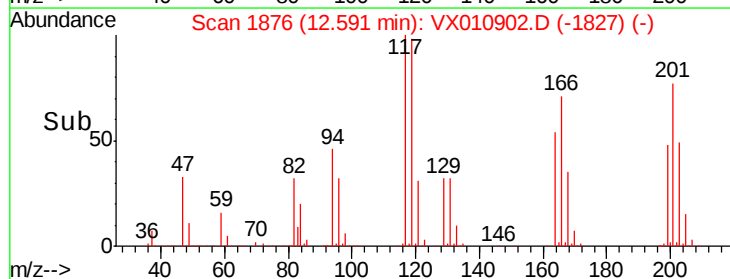
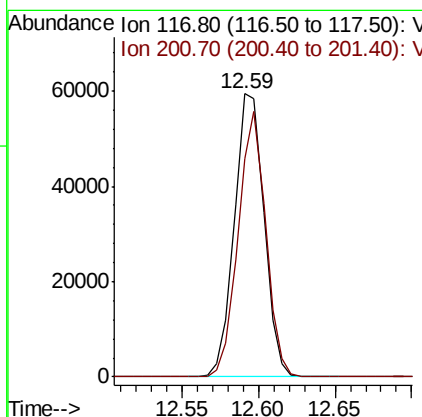
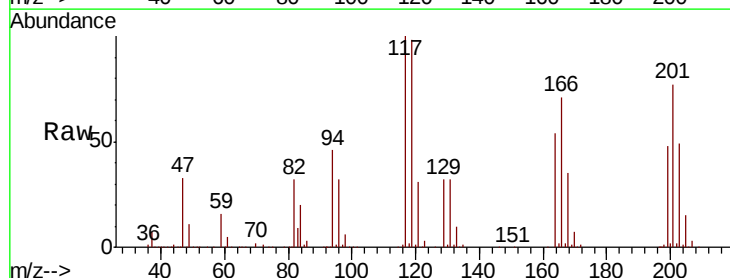
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

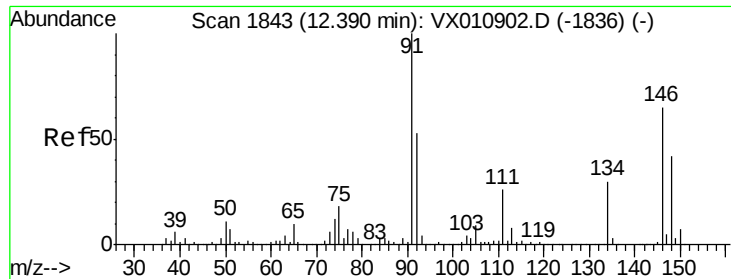
Tot Ion: 91 Resp: 437759
Ion Ratio Lower Upper
91 100
92 52.3 26.2 78.5
134 27.5 13.8 41.3



#90
Hexachloroethane
Concen: 46.665 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX010902.D
Acq: 16 Jul 2019 10:53

Tgt Ion: 117 Resp: 80097
Ion Ratio Lower Upper
117 100
201 86.5 43.3 129.8





#91

1,2-Dichlorobenzene

Concen: 47.997 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX010902.D

Acq: 16 Jul 2019 10:53

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

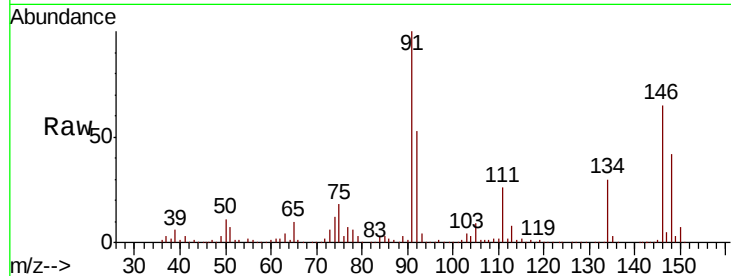
Tot Ion:146 Resp: 261976

Ion Ratio Lower Upper

146 100

111 39.8 19.9 59.7

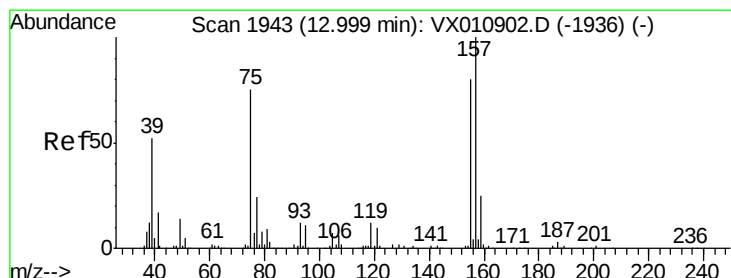
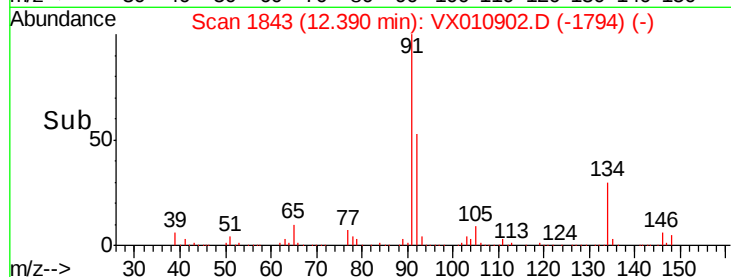
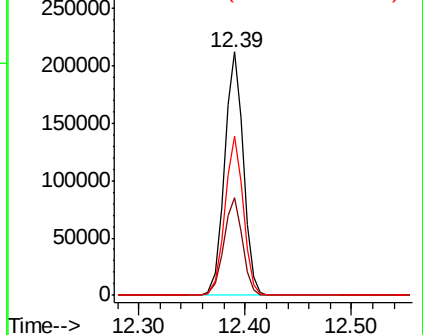
148 64.1 32.0 96.2



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: 48.276 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX010902.D

Acq: 16 Jul 2019 10:53

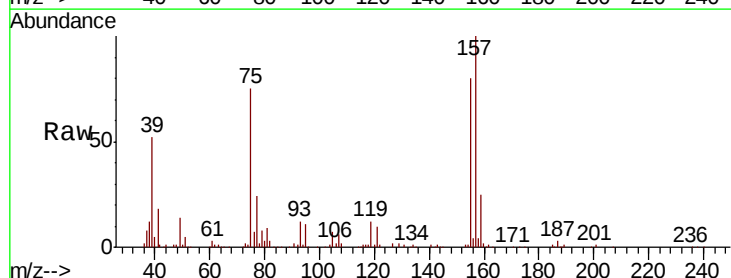
Tgt Ion: 75 Resp: 38959

Ion Ratio Lower Upper

75 100

155 97.4 48.7 146.1

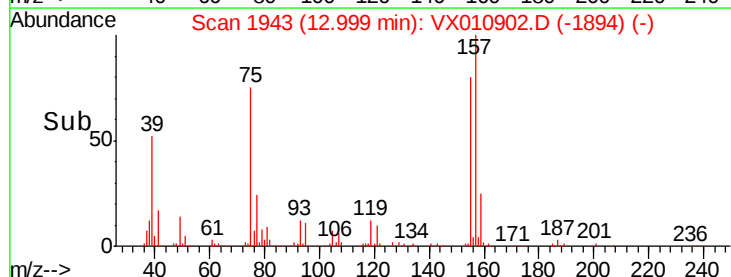
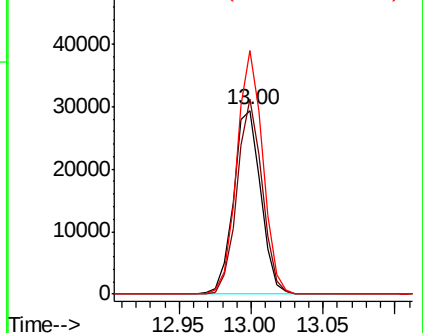
157 125.1 62.5 187.6

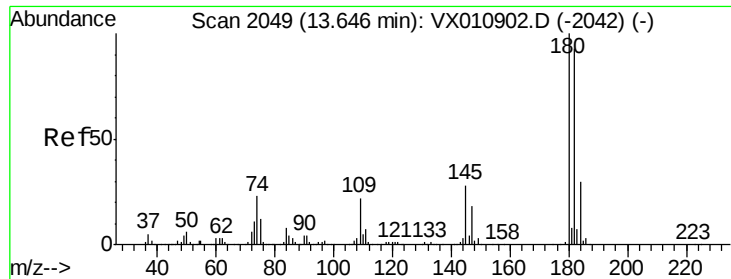


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

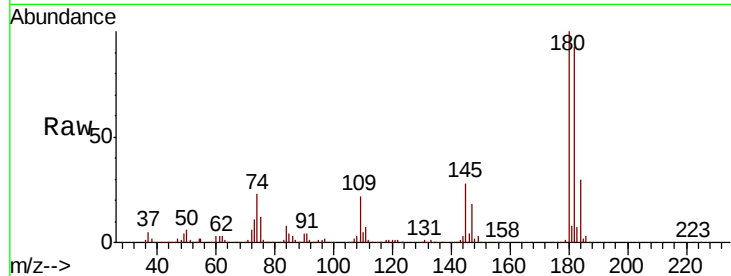




#93
 1,2,4-Trichlorobenzene
 Concen: 48.189 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010902.D
 Acq: 16 Jul 2019 10:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.1	141.3
145	29.6	14.8	44.4

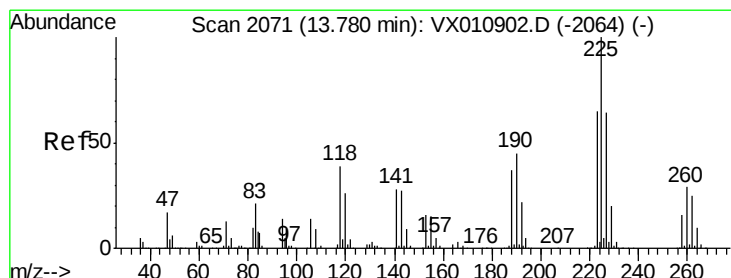
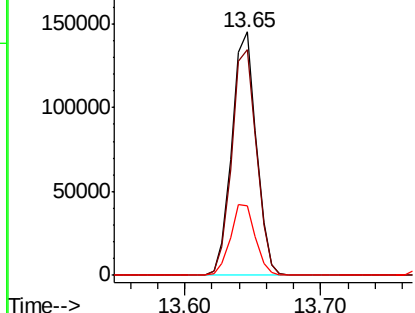
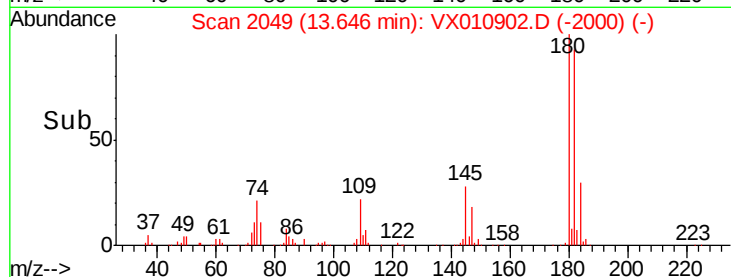


Abundance

Ion 179.80 (179.50 to 180.50): V

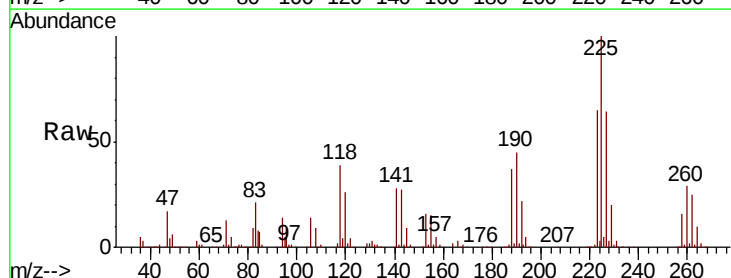
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 47.674 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010902.D
 Acq: 16 Jul 2019 10:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.9	95.9
227	64.9	32.5	97.4

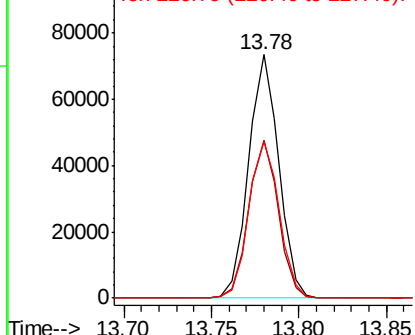
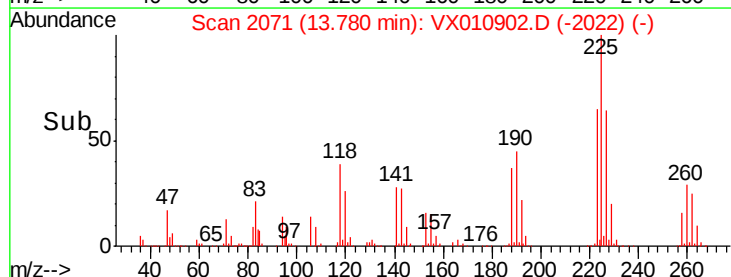


Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

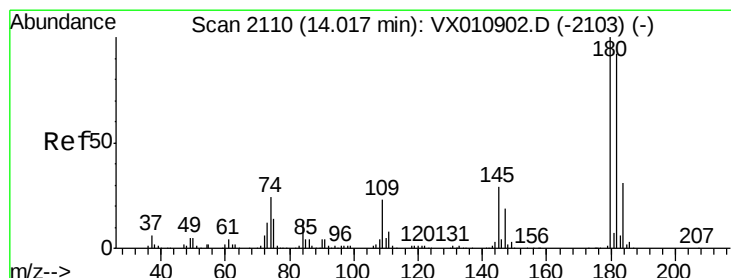
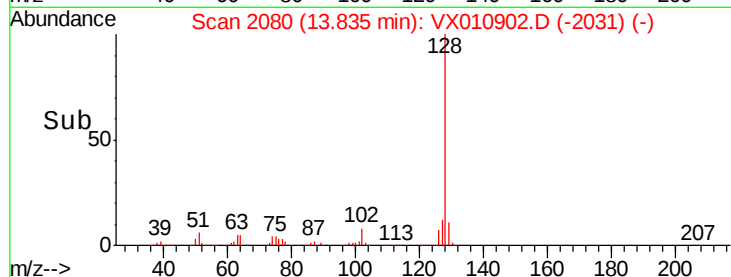
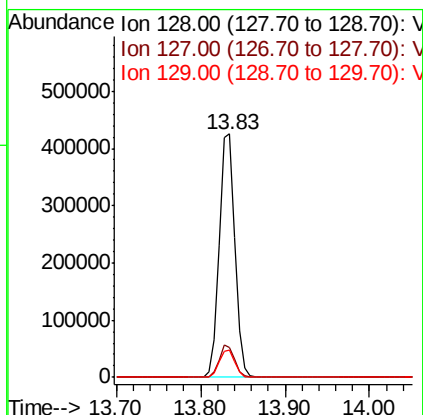
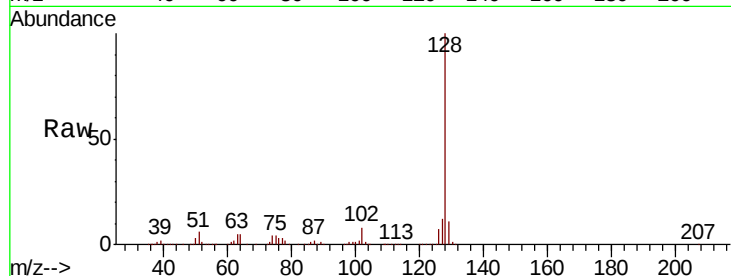




#95
Naphthalene
Concen: 47.713 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010902.D
Acq: 16 Jul 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion:128 Resp: 549460
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 11.1 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 48.072 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX010902.D
Acq: 16 Jul 2019 10:53

Tgt Ion:180 Resp: 179874
Ion Ratio Lower Upper
180 100
182 94.9 47.4 142.3
145 30.2 15.1 45.3

