

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX123019\
 Data File : VX014347.D
 Acq On : 30 Dec 2019 12:05
 Operator : JC/SP
 Sample : VX1230WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 31 01:11:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X121219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 13 01:35:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	85159	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	470569	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	426469	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.04	65	177283	29.07	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.90%
60) 4-Bromofluorobenzene	11.13	95	207163	30.08	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.27%
63) Toluene-d8	8.71	98	582824	30.57	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	87752	20.399 ug/l	97
3) Chloromethane	1.32	50	125908	20.767 ug/l	99
4) Vinyl Chloride	1.40	62	128156	20.620 ug/l	98
5) Bromomethane	1.63	94	76919	16.930 ug/l	96
6) Chloroethane	1.72	64	83989	21.877 ug/l	99
7) Trichlorofluoromethane	1.92	101	164776	21.305 ug/l	100
8) Diethyl Ether	2.18	74	74572	20.977 ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	101624	22.032 ug/l	99
10) 1,1-Dichloroethene	2.37	96	98561	20.668 ug/l	98
11) Methyl Iodide	2.50	142	109545	17.845 ug/l	97
12) Methyl Acetate	2.76	43	155736	21.095 ug/l	99
13) Acrolein	2.28	56	121845	136.080 ug/l	100
14) Acrylonitrile	3.12	53	308638	106.944 ug/l	98
15) Acetone	2.43	58	91259	107.642 ug/l	86
16) Carbon Disulfide	2.56	76	271545	21.020 ug/l	98
17) Allyl chloride	2.72	41	184657	21.549 ug/l	98
18) Methylene Chloride	2.85	84	118343	20.253 ug/l	97
19) trans-1,2-Dichloroethene	3.15	96	107095	20.508 ug/l	93
20) Diisopropyl ether	3.84	45	371616	21.135 ug/l	92
21) 1,1-Dichloroethane	3.69	63	198595	20.811 ug/l	99
22) cis-1,2-Dichloroethene	4.58	96	122406	20.220 ug/l	97
23) tert-Butyl Alcohol	3.02	59	127566	112.694 ug/l	# 100
24) Methyl tert-Butyl Ether	3.18	73	330774	20.534 ug/l	98
25) Chloroform	5.19	83	188334	20.701 ug/l	96
26) Cyclohexane	5.57	56	181698	21.353 ug/l	# 99
29) 1,1-Dichloropropene	5.79	75	143715	21.143 ug/l	100
30) 2-Butanone	4.65	43	433856	108.290 ug/l	99
31) 2,2-Dichloropropane	4.57	77	154158	24.518 ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	157279	20.920 ug/l	99
33) Carbon Tetrachloride	5.78	117	133236	20.847 ug/l	96
34) Benzene	6.13	78	451403	21.298 ug/l	98
35) Methacrylonitrile	5.02	41	91906	21.329 ug/l	98
36) 1,2-Dichloroethane	6.18	62	149385	20.291 ug/l	# 86
37) Trichloroethene	7.20	130	121397	21.050 ug/l	94
38) Methylcyclohexane	7.45	83	185574	22.888 ug/l	98
39) 1,2-Dichloropropane	7.50	63	116927	21.241 ug/l	92
40) Dibromomethane	7.65	93	72518	20.622 ug/l	99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	143858	21.127	ug/l	99
42) Vinyl Acetate	3.80	43	1565878	110.702	ug/l	99
43) Ethyl Acetate	4.82	43	170350	22.159	ug/l	100
44) Isopropyl Acetate	6.43	43	268167	20.827	ug/l	98
45) 1,4-Dioxane	7.73	88	56439	468.077	ug/l	99
46) Methyl methacrylate	7.76	41	129991	20.785	ug/l	97
47) n-amyl Acetate	10.89	43	227558	19.876	ug/l	100
48) t-1,3-Dichloropropene	9.03	75	157504	21.193	ug/l	97
49) cis-1,3-Dichloropropene	8.43	75	177878	21.283	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	112108	20.657	ug/l	98
51) Ethyl methacrylate	9.17	69	171390	19.854	ug/l	99
52) 1,3-Dichloropropane	9.36	76	193573	20.993	ug/l	99
53) Dibromochloromethane	9.57	129	110614	20.383	ug/l	98
54) 1,2-Dibromoethane	9.67	107	117465	21.022	ug/l	97
55) 2-Chloroethyl vinyl ether	8.30	63	373640	98.187	ug/l	99
56) Bromoform	10.85	173	81822	19.334	ug/l	99
58) 4-Methyl-2-Pentanone	8.63	43	843324	105.687	ug/l	98
59) 2-Hexanone	9.48	43	642026	106.023	ug/l	99
61) Tetrachloroethene	9.33	164	125113	22.176	ug/l	97
62) Toluene	8.78	91	480435	21.181	ug/l	99
64) Chlorobenzene	10.14	112	296238	20.847	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.21	131	108119	20.548	ug/l	99
66) Ethyl Benzene	10.25	91	520597	20.973	ug/l	98
67) m/p-Xylenes	10.35	106	397350	41.876	ug/l	98
68) o-Xylene	10.70	106	191654	20.388	ug/l	98
69) Styrene	10.71	104	323153	20.215	ug/l	99
70) Isopropylbenzene	11.01	105	513252	21.129	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	169041	19.623	ug/l	97
72) 1,2,3-Trichloropropane	11.29	75	191752	25.007	ug/l	95
73) Bromobenzene	11.25	156	131846	20.332	ug/l	99
74) n-propylbenzene	11.35	91	588796	21.370	ug/l	98
75) 2-Chlorotoluene	11.42	91	349808	21.012	ug/l	100
76) 1,3,5-Trimethylbenzene	11.50	105	428549	20.797	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	54555	21.545	ug/l	94
78) 4-Chlorotoluene	11.51	91	396269	20.831	ug/l	100
79) tert-butylbenzene	11.76	119	406357	20.459	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	426777	20.712	ug/l	100
81) sec-Butylbenzene	11.94	105	495825	20.987	ug/l	100
82) p-Isopropyltoluene	12.06	119	447767	21.002	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	231274	20.462	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	229057	20.352	ug/l	100
85) n-Butylbenzene	12.38	91	383225	21.379	ug/l	100
86) Hexachloroethane	12.59	117	77216	19.964	ug/l	96
87) 1,2-Dichlorobenzene	12.38	146	232491	20.251	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	35282	20.548	ug/l	99
89) 1,2,4-Trichlorobenzene	13.64	180	149725	20.406	ug/l	99
90) Hexachlorobutadiene	13.77	225	74375	21.325	ug/l	98
91) Naphthalene	13.83	128	439043	19.908	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	148657	19.975	ug/l	99

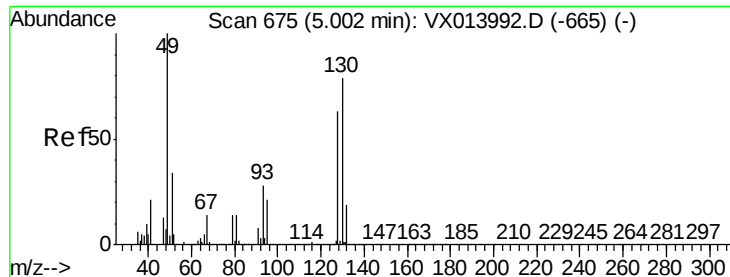
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QLast Update : Fri Dec 13 01:35:34 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 675

Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Instrument :
MSVOA_X
ClientSampleId :

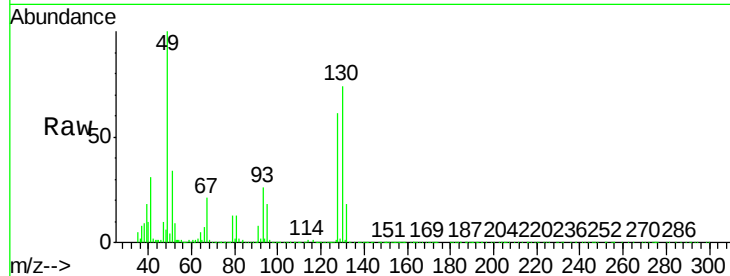
Tot Ion:128 Resp: 85159

Ion Ratio Lower Upper

128 100

49 163.4 0.0 405.0

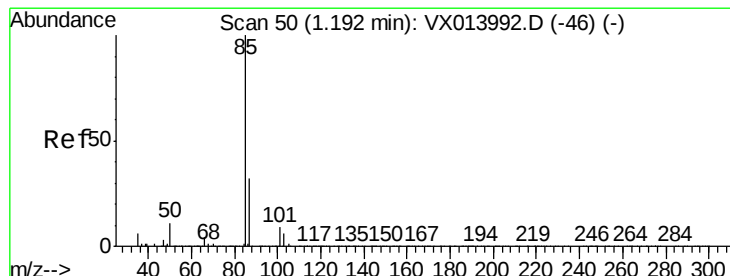
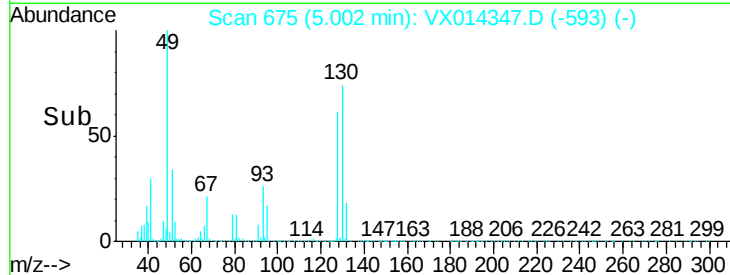
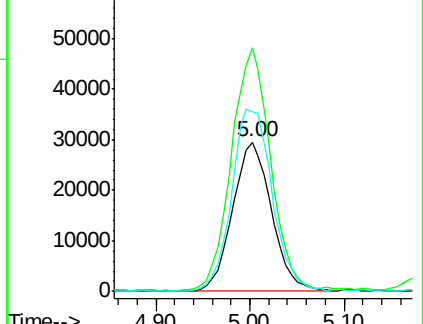
130 127.0 0.0 321.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.399 ug/l

RT: 1.19 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX014347.D

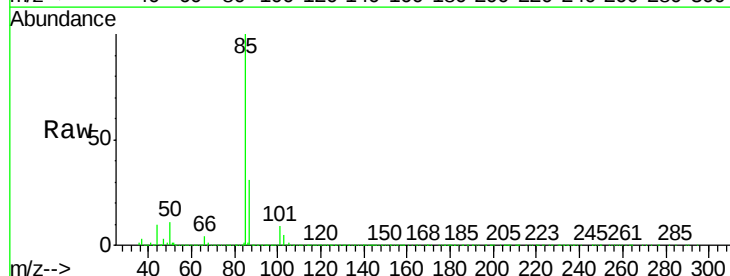
Acq: 30 Dec 2019 12:05

Tgt Ion: 85 Resp: 87752

Ion Ratio Lower Upper

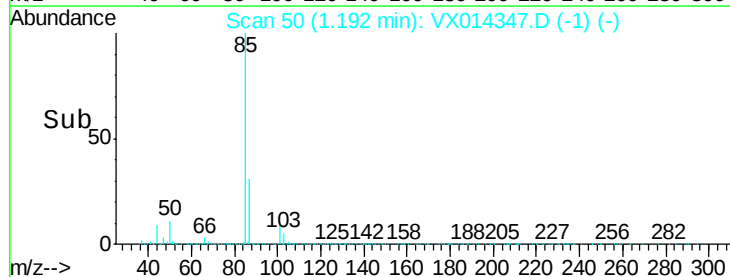
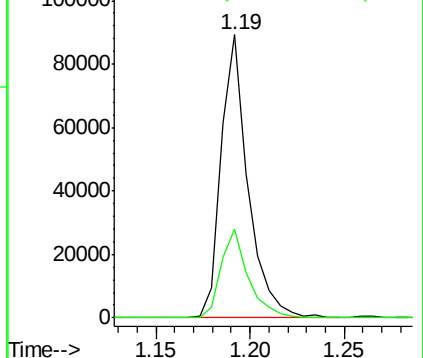
85 100

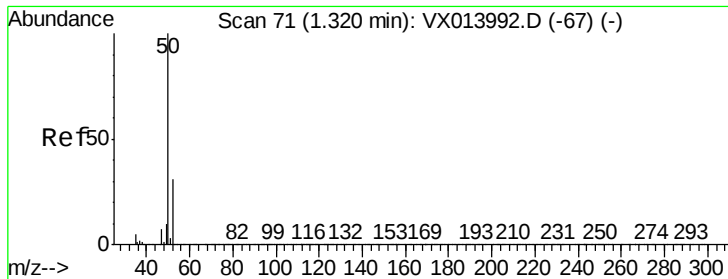
87 31.1 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 20.767 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Instrument :

MSVOA_X

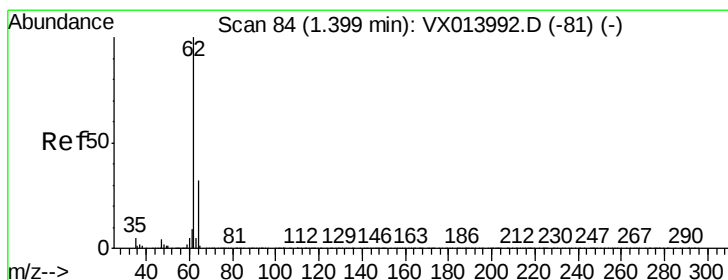
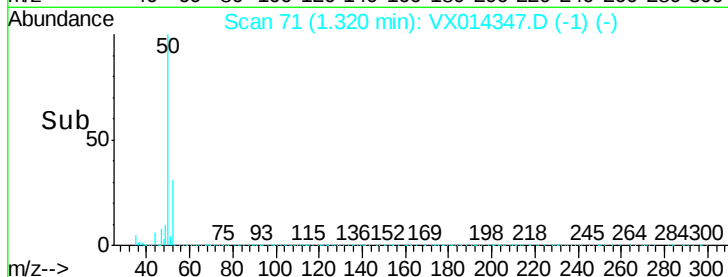
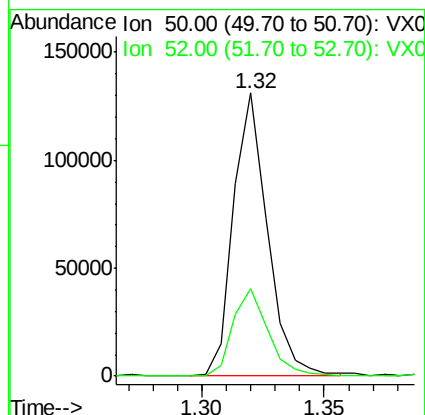
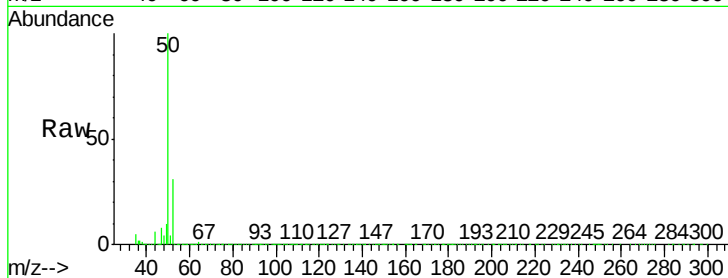
ClientSampleId :

Tot Ion: 50 Resp: 125908

Ion Ratio Lower Upper

50 100

52 31.0 24.3 36.5



#4

Vinyl Chloride

Concen: 20.620 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX014347.D

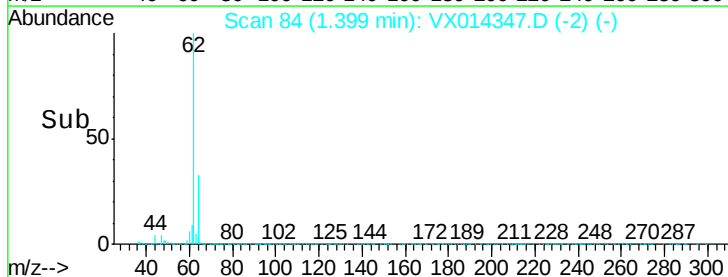
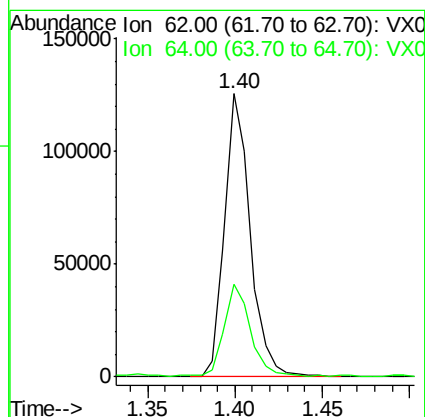
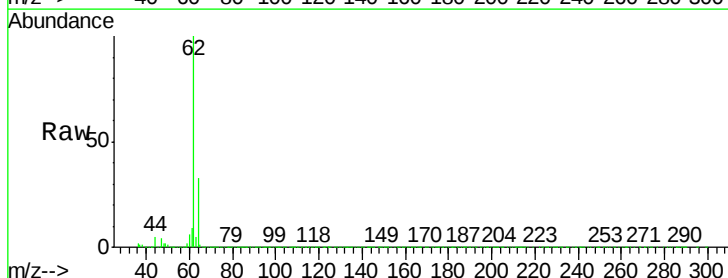
Acq: 30 Dec 2019 12:05

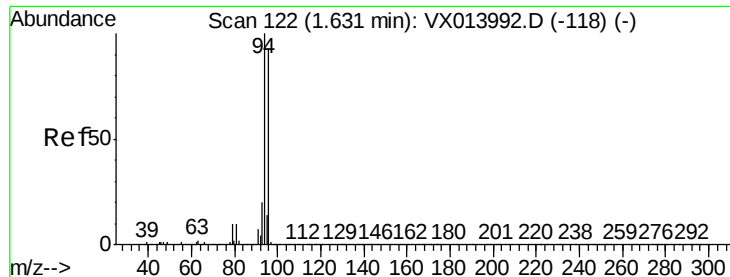
Tgt Ion: 62 Resp: 128156

Ion Ratio Lower Upper

62 100

64 32.5 25.2 37.8





#5

Bromomethane

Concen: 16.930 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Instrument :

MSVOA_X

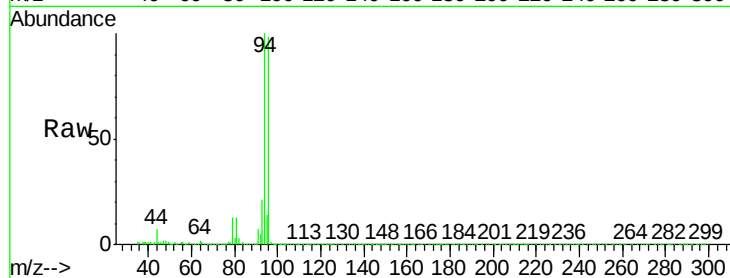
ClientSampleId :

Tot Ion: 94 Resp: 76919

Ion Ratio Lower Upper

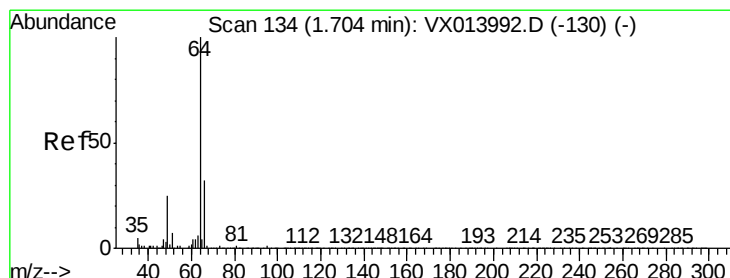
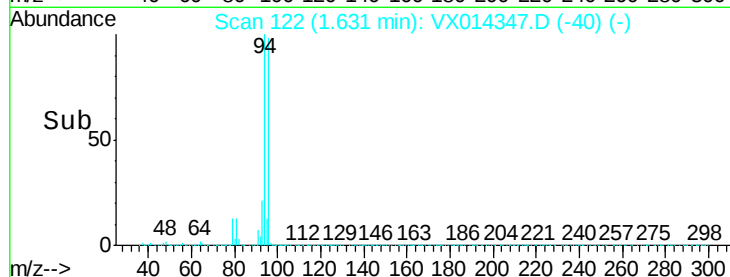
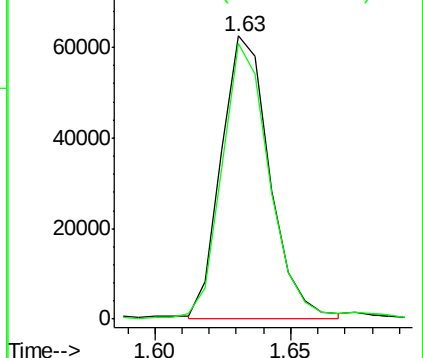
94 100

96 96.7 74.4 111.6



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 21.877 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX014347.D

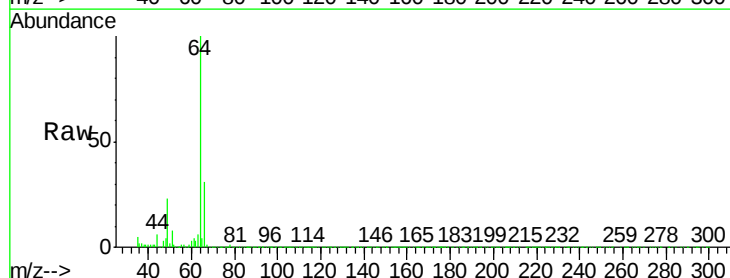
Acq: 30 Dec 2019 12:05

Tgt Ion: 64 Resp: 83989

Ion Ratio Lower Upper

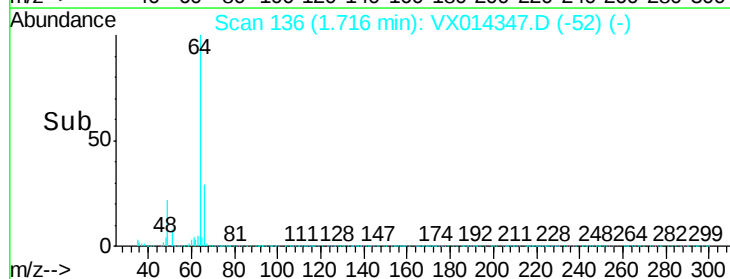
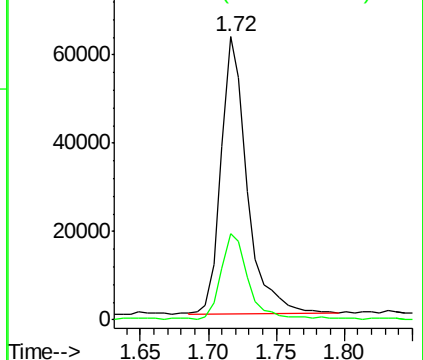
64 100

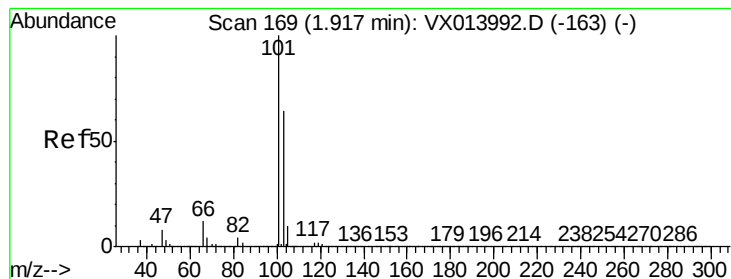
66 30.7 25.2 37.8



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



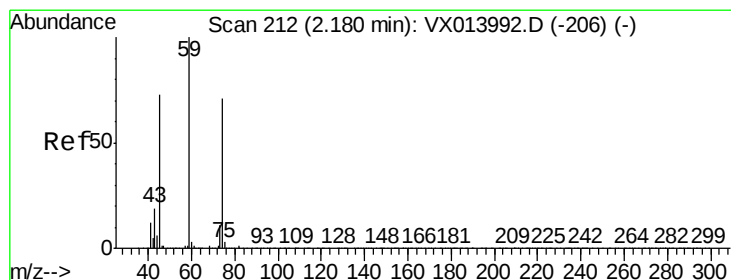
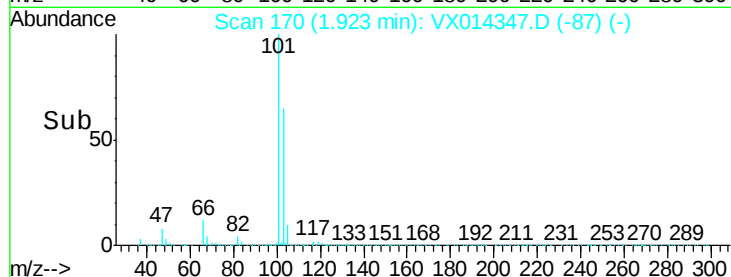
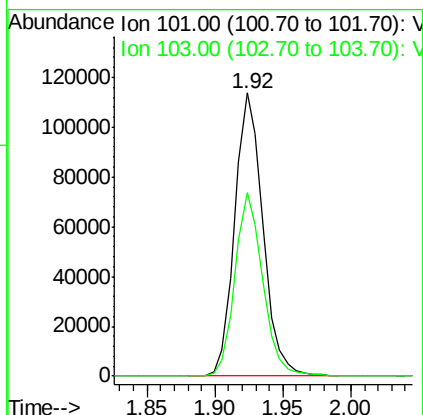
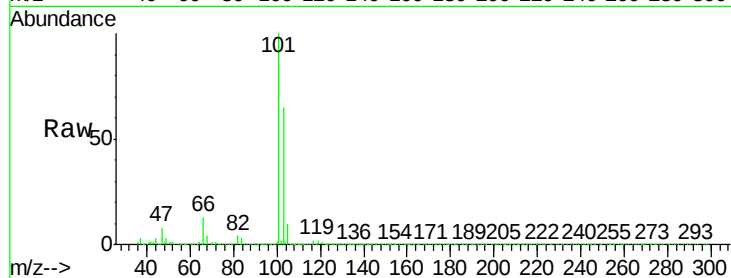


#7

Trichlorofluoromethane
Concen: 21.305 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

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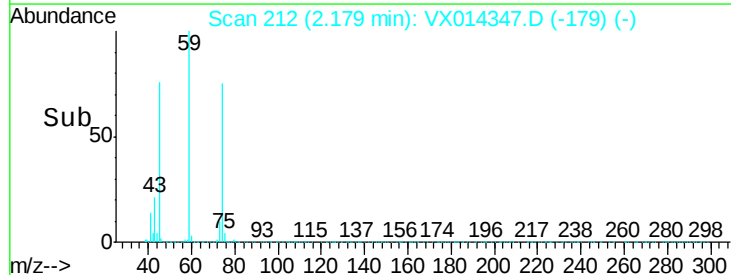
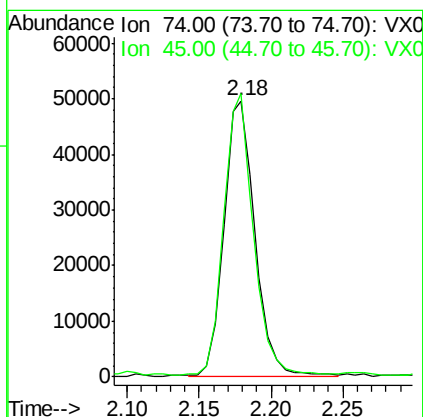
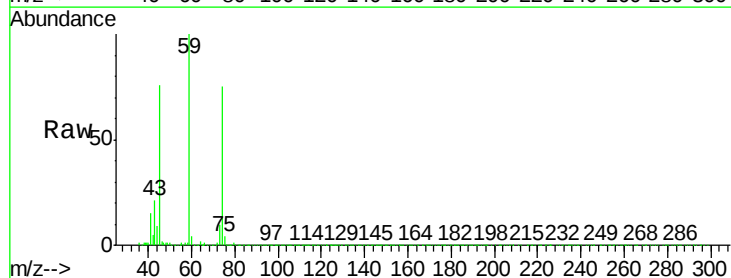
Tot Ion:101 Resp: 164776
Ion Ratio Lower Upper
101 100
103 64.6 51.6 77.4

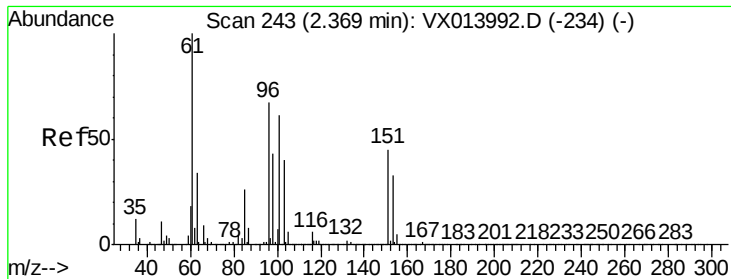


#8

Diethyl Ether
Concen: 20.977 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Tgt Ion: 74 Resp: 74572
Ion Ratio Lower Upper
74 100
45 99.4 20.6 185.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.032 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX014347.D

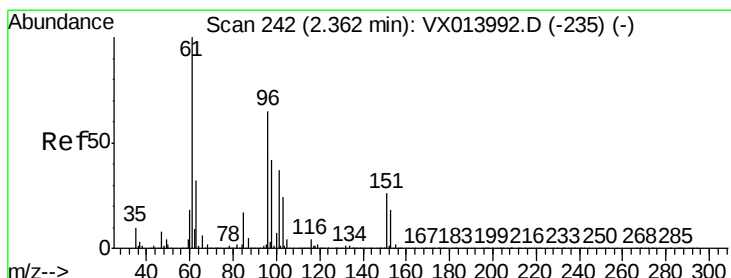
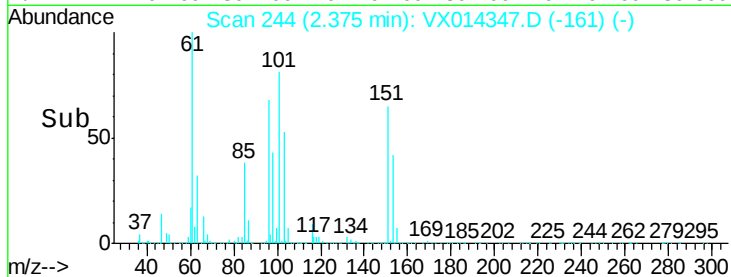
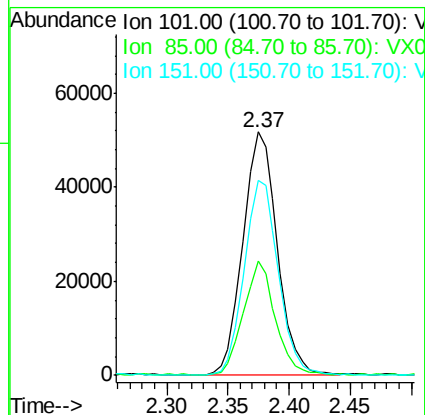
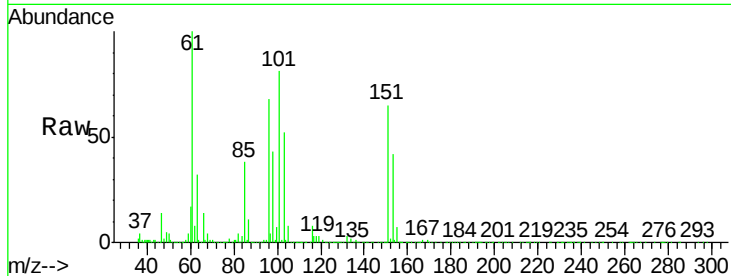
Acq: 30 Dec 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	101	Resp:	101624
Ion	Ratio	Lower	Upper
101	100		
85	42.9	0.0	85.6
151	78.8	0.0	159.4



#10

1,1-Dichloroethene

Concen: 20.668 ug/l

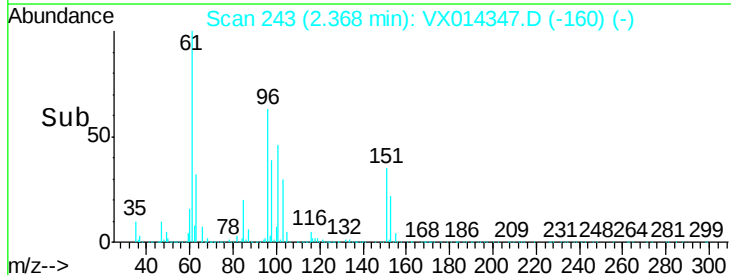
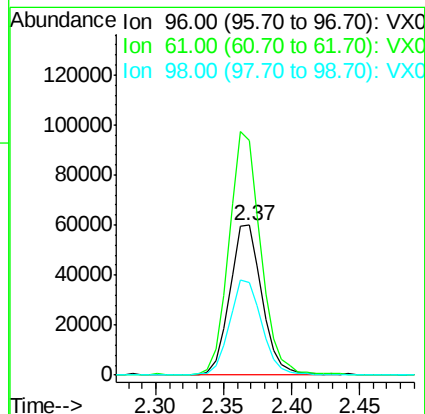
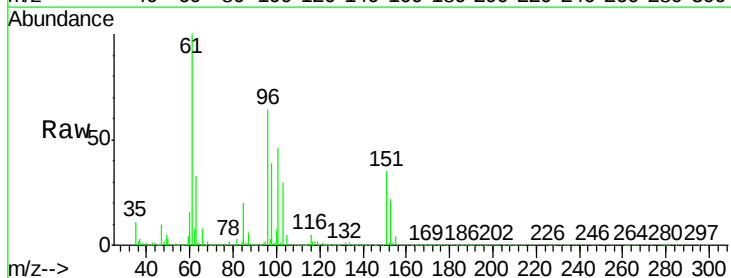
RT: 2.37 min Scan# 243

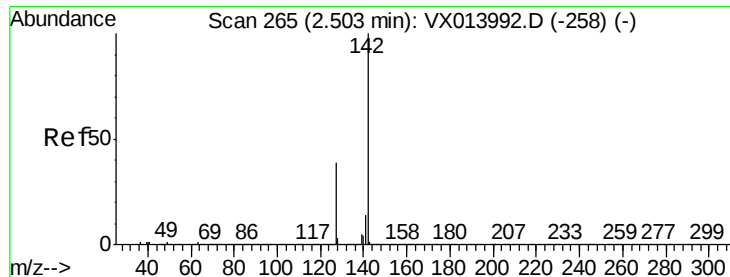
Delta R.T. 0.01 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Tgt Ion:	96	Resp:	98561
Ion	Ratio	Lower	Upper
96	100		
61	156.5	123.0	184.6
98	61.6	51.4	77.0

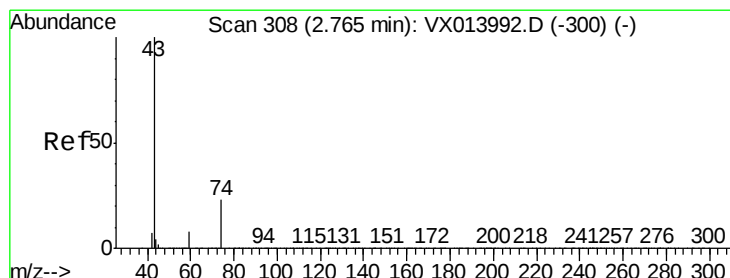
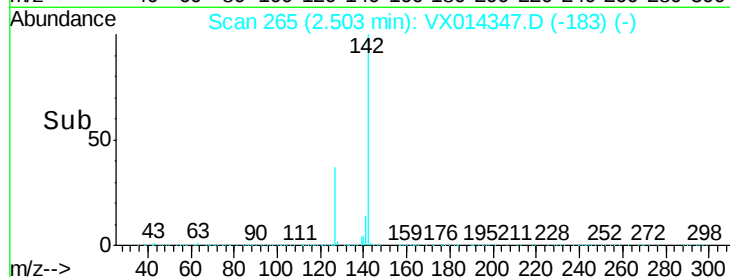
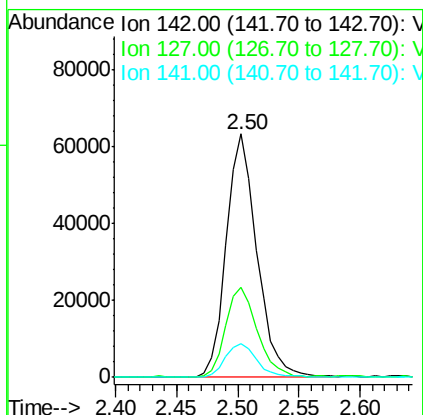
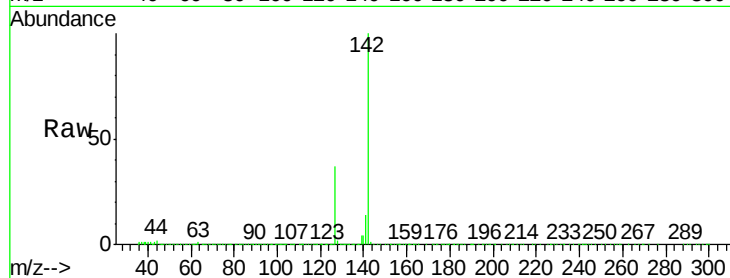




#11
Methvl Iodide
Concen: 17.845 ug/l
RT: 2.50 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

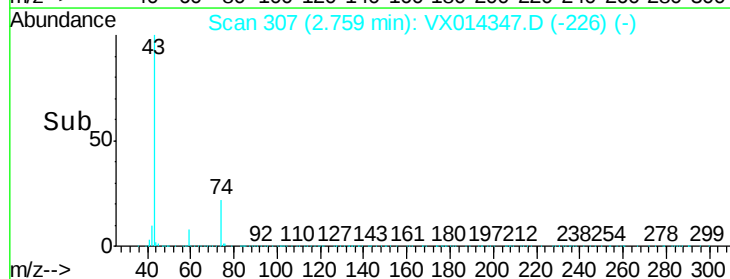
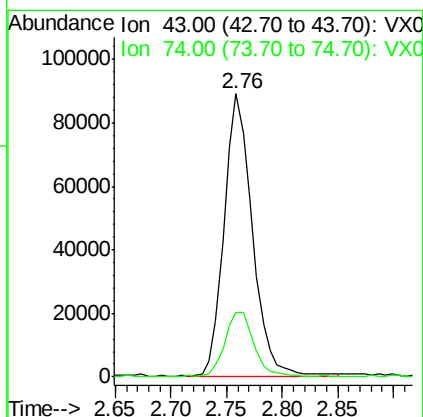
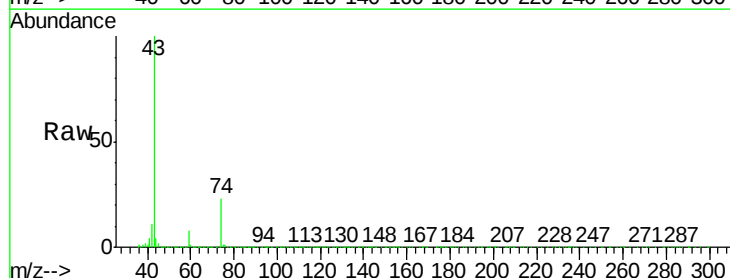
Instrument :
MSVOA_X
ClientSampleId :

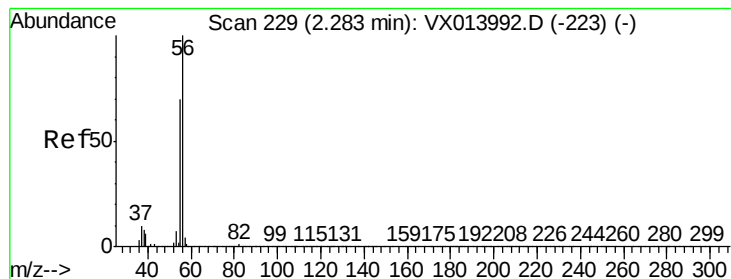
Tot Ion:142 Resp: 109545
Ion Ratio Lower Upper
142 100
127 36.7 19.5 58.5
141 13.8 7.0 20.9



#12
Methyl Acetate
Concen: 21.095 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Tgt Ion: 43 Resp: 155736
Ion Ratio Lower Upper
43 100
74 22.4 18.5 27.7





#13

Acrolein

Concen: 136.080 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

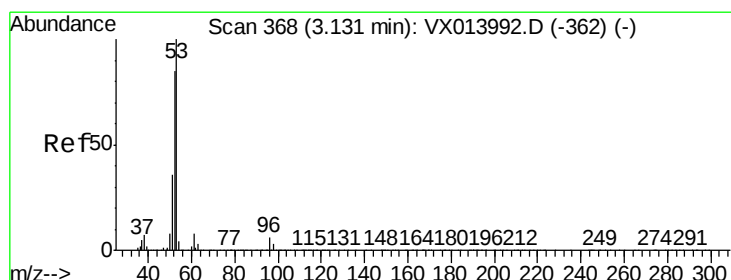
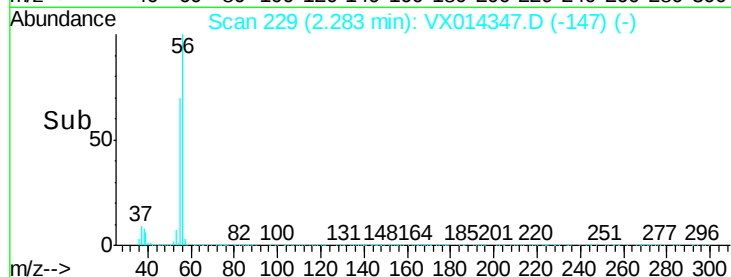
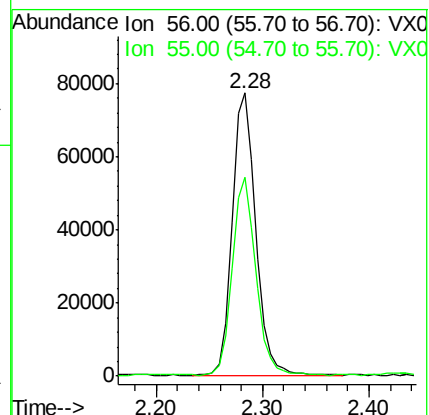
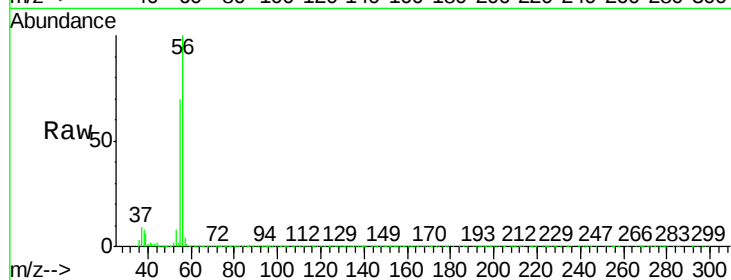
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 121845

Ion Ratio Lower Upper

56 100

55 68.8 54.9 82.3



#14

Acrylonitrile

Concen: 106.944 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

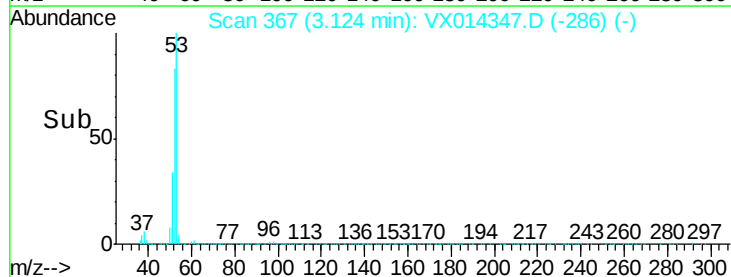
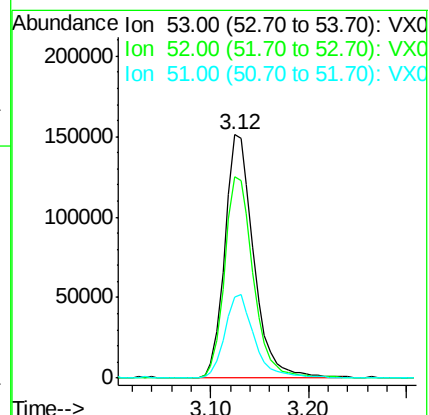
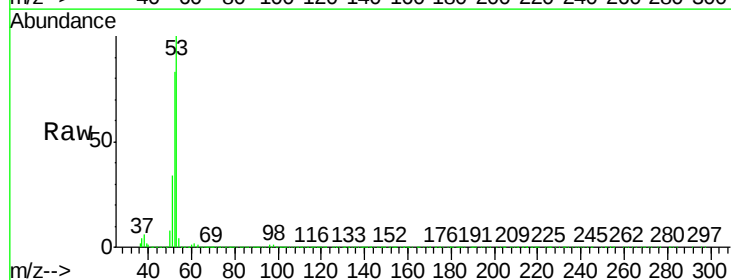
Tgt Ion: 53 Resp: 308638

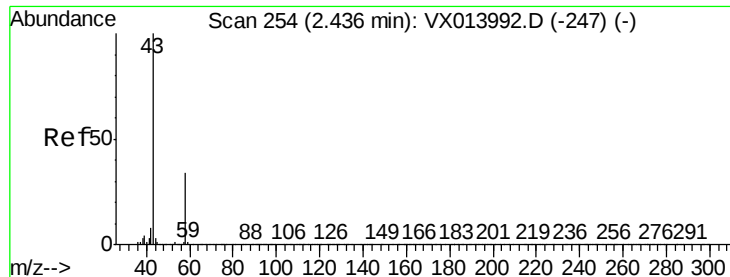
Ion Ratio Lower Upper

53 100

52 81.7 41.5 124.6

51 34.7 17.8 53.5





#15

Acetone

Concen: 107.642 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

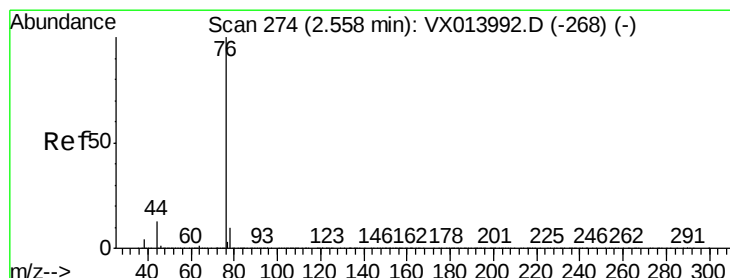
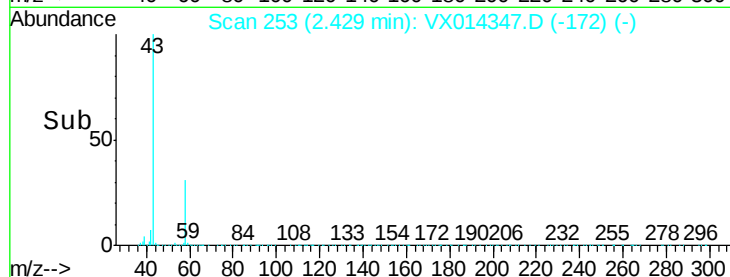
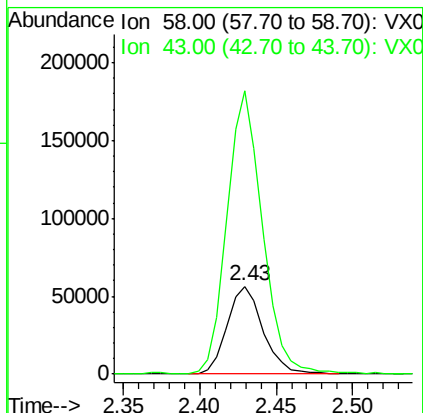
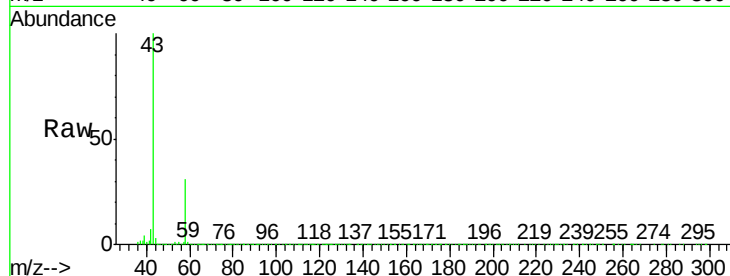
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 58 Resp: 91259

Ion Ratio Lower Upper

58 100

43 322.2 236.3 354.5



#16

Carbon Disulfide

Concen: 21.020 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014347.D

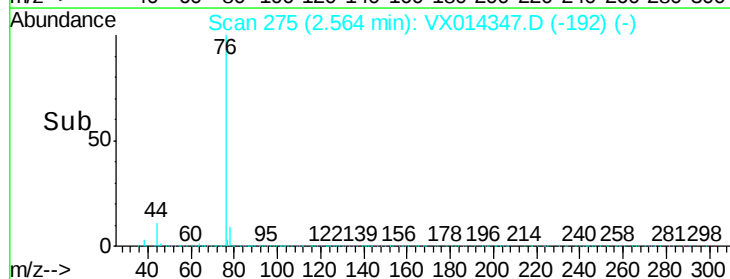
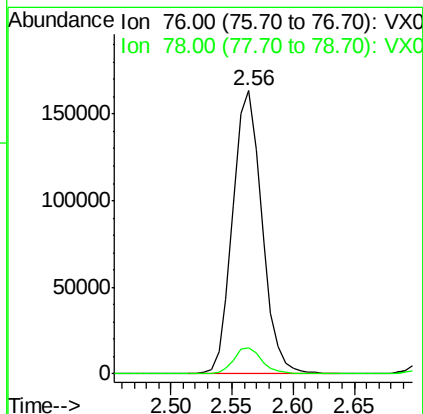
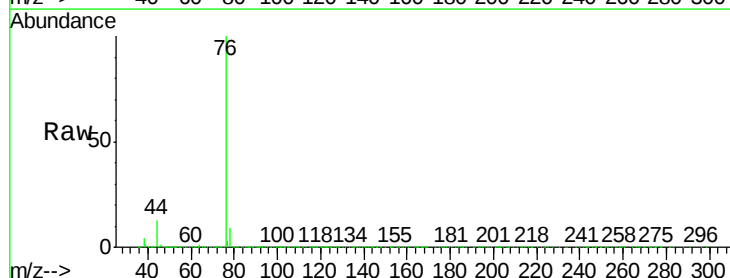
Acq: 30 Dec 2019 12:05

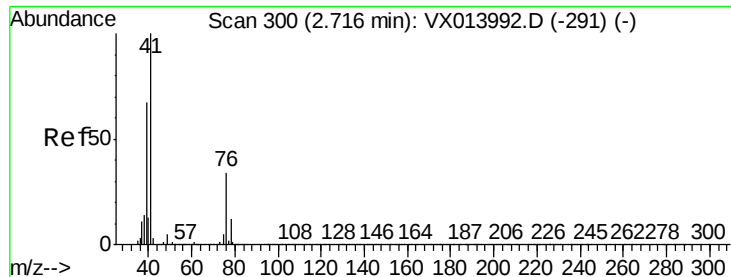
Tgt Ion: 76 Resp: 271545

Ion Ratio Lower Upper

76 100

78 9.1 7.8 11.8

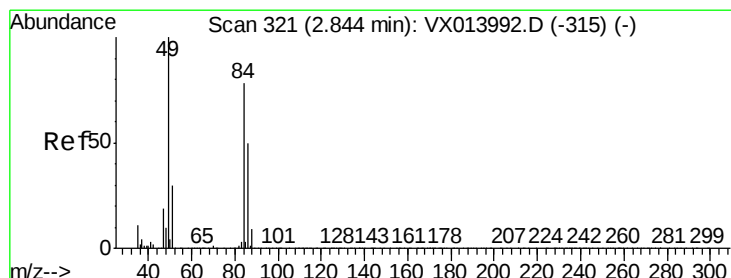
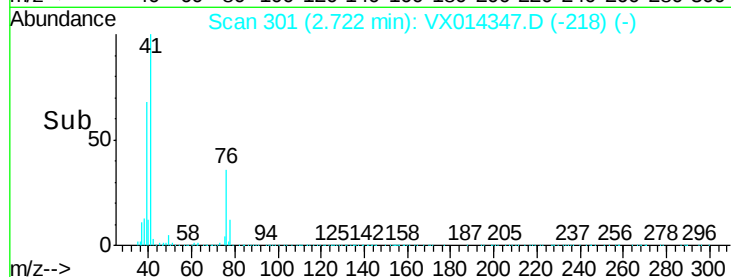
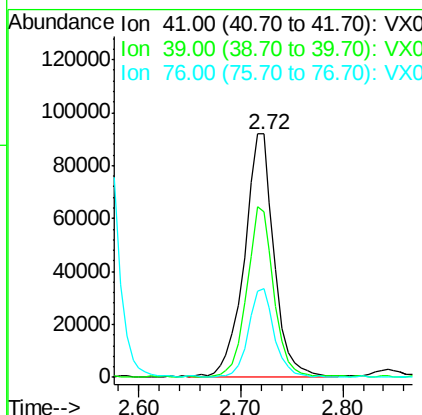
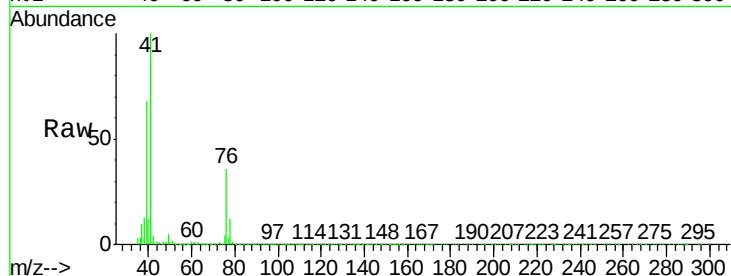




#17
Allvl chloride
Concen: 21.549 ug/l
RT: 2.72 min Scan# 301
Delta R.T. 0.01 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

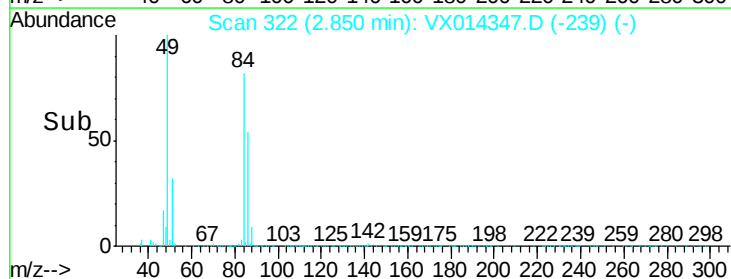
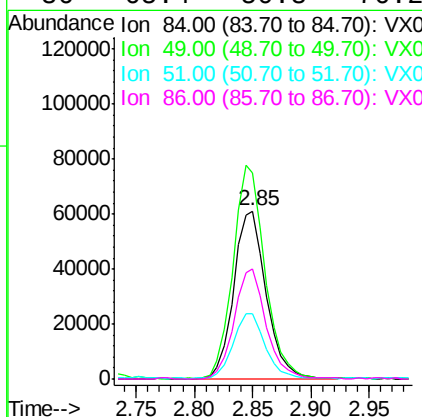
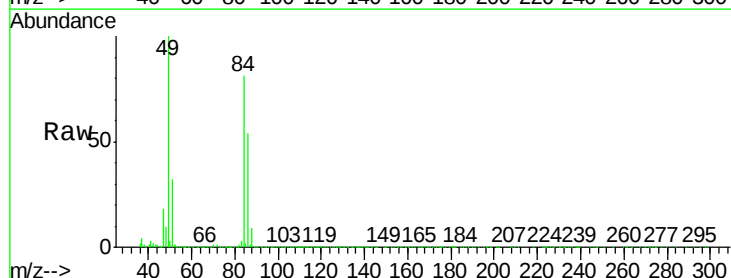
Instrument :
MSVOA_X
ClientSampleId :

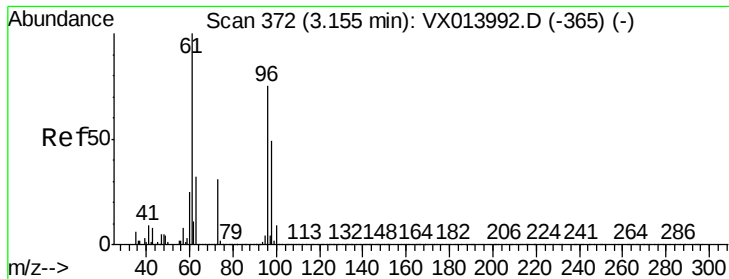
Tot Ion	Ratio	Lower	Upper
41	100		
39	67.8	33.4	100.2
76	36.0	17.0	50.9



#18
Methylene Chloride
Concen: 20.253 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.6	102.2	153.2
51	39.2	31.4	47.0
86	65.4	50.8	76.2





#19

trans-1,2-Dichloroethene

Concen: 20.508 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Instrument :
MSVOA_X
ClientSampled :

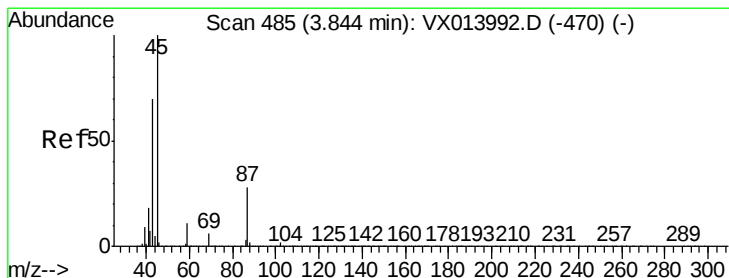
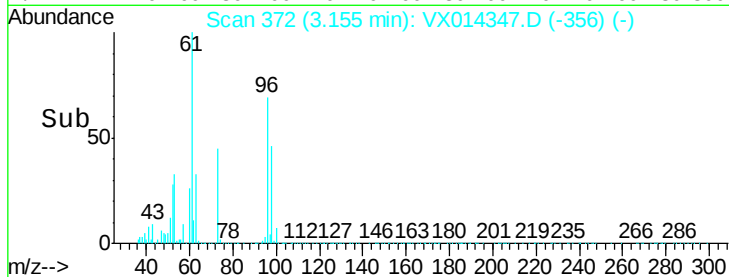
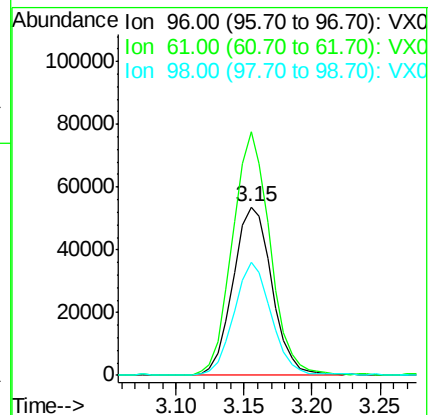
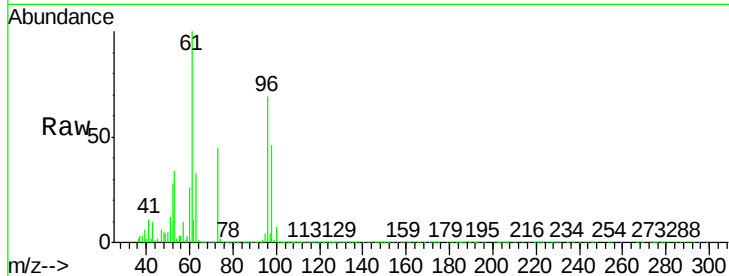
Tot Ion: 96 Resp: 107095

Ion Ratio Lower Upper

96 100

61 144.1 106.6 159.8

98 66.5 51.6 77.4



#20

Diisopropyl ether

Concen: 21.135 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.01 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Tgt Ion: 45 Resp: 371616

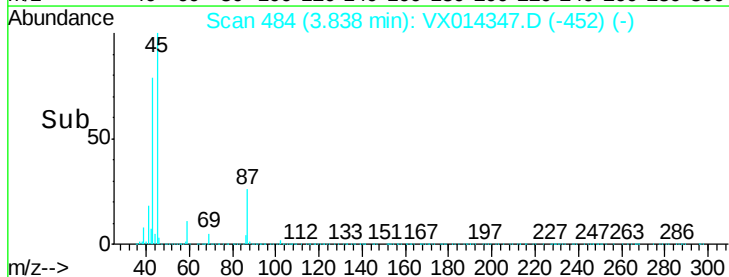
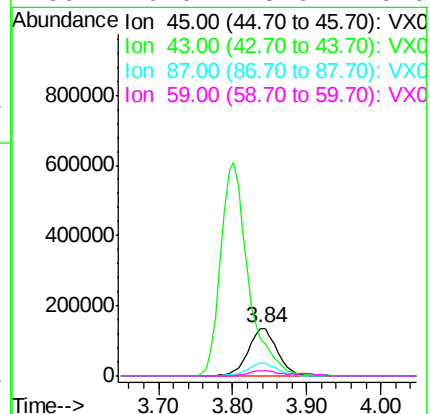
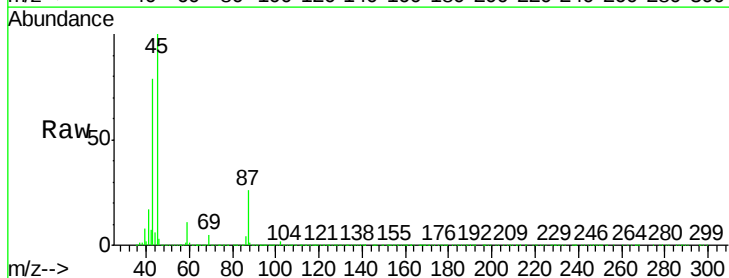
Ion Ratio Lower Upper

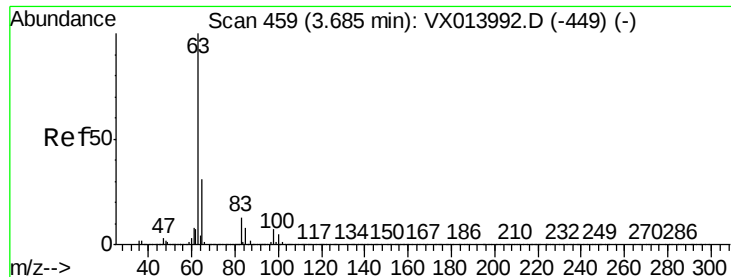
45 100

43 79.1 55.9 83.9

87 26.0 22.2 33.2

59 10.6 8.6 13.0





#21

1,1-Dichloroethane

Concen: 20.811 ug/l

RT: 3.69 min Scan# 459

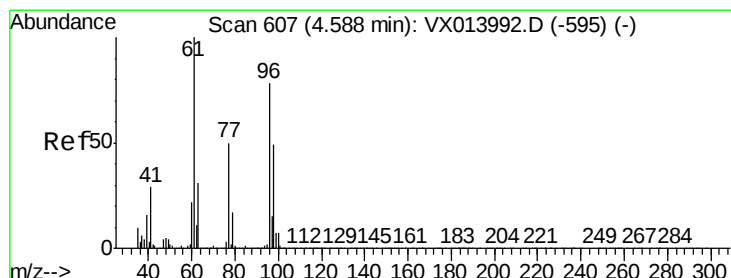
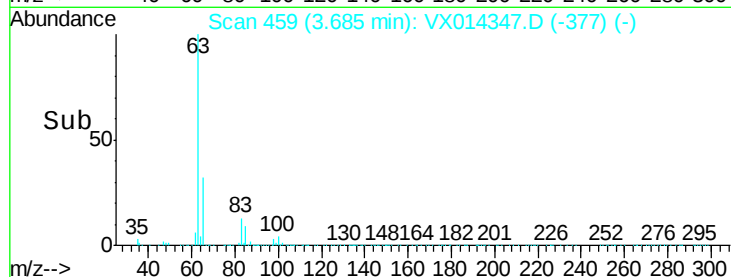
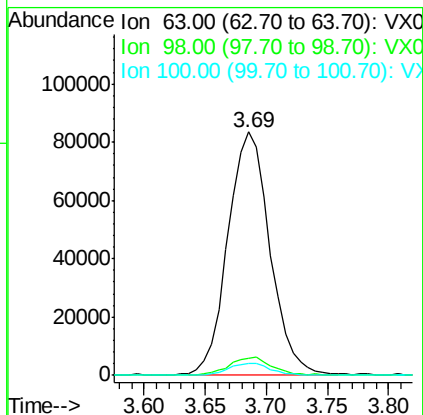
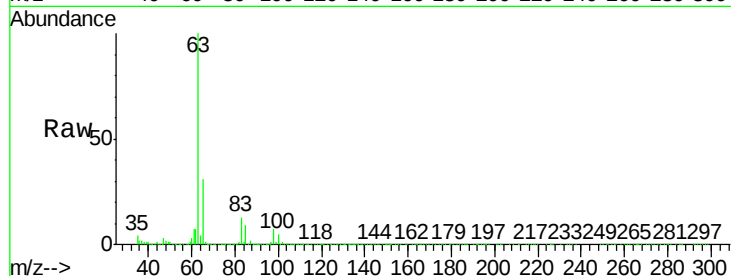
Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	63	Resp:	198595
Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.4	10.1
100	4.7	2.5	7.4



#22

cis-1,2-Dichloroethene

Concen: 20.220 ug/l

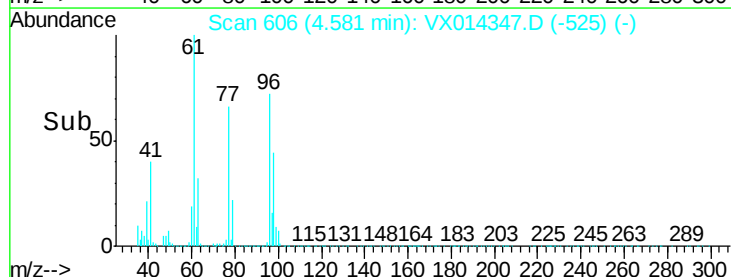
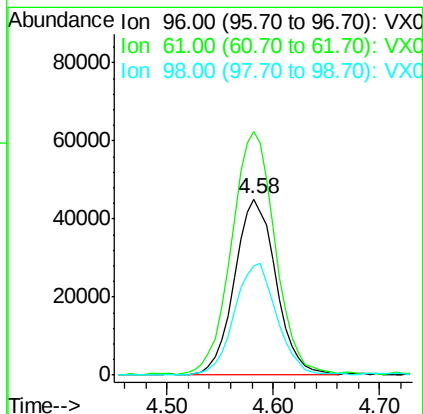
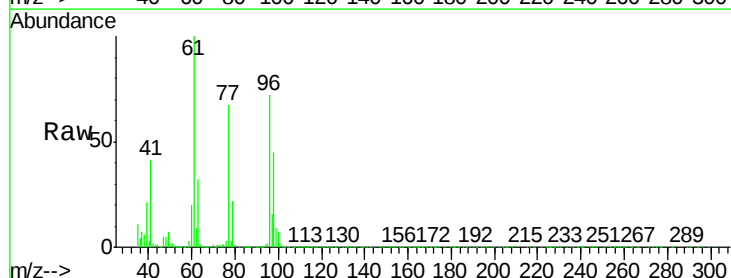
RT: 4.58 min Scan# 606

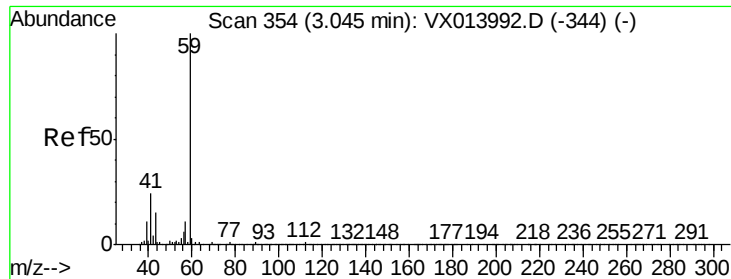
Delta R.T. -0.01 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Tgt Ion:	96	Resp:	122406
Ion	Ratio	Lower	Upper
96	100		
61	145.2	112.4	168.6
98	64.8	50.3	75.5



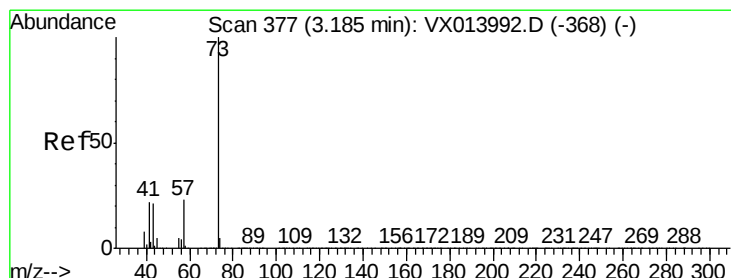
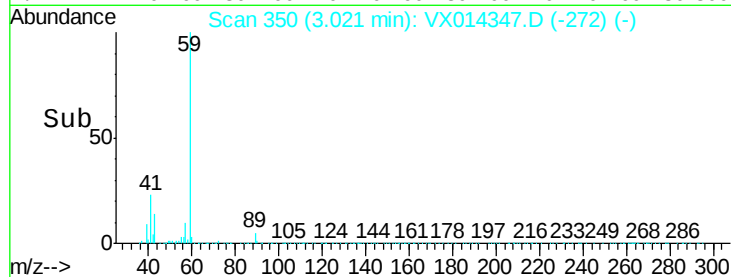
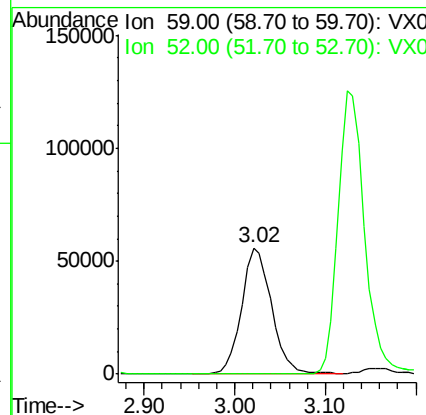
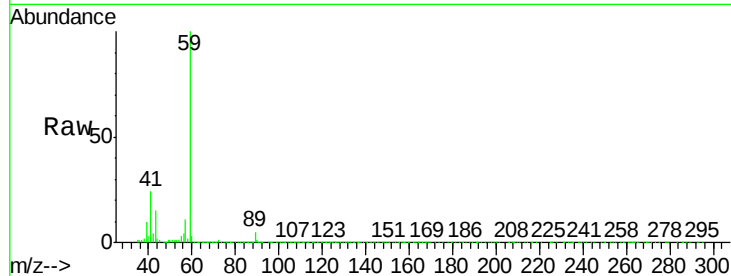


#23

tert-Butyl Alcohol
 Concen: 112.694 ug/l
 RT: 3.02 min Scan# 350
 Delta R.T. -0.02 min
 Lab File: VX014347.D
 Acq: 30 Dec 2019 12:05

Instrument :
 MSVOA_X
 ClientSampleId :

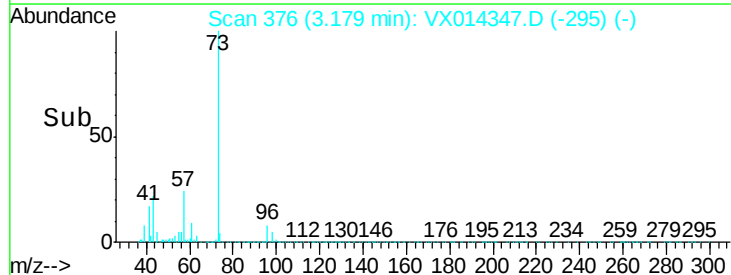
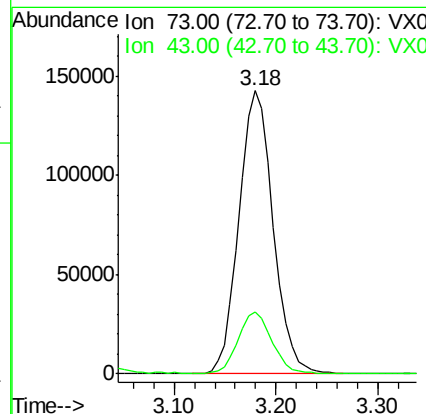
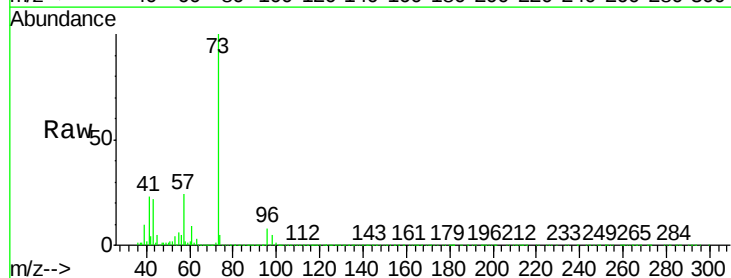
Tot Ion: 59 Resp: 127566
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.2 0.2#

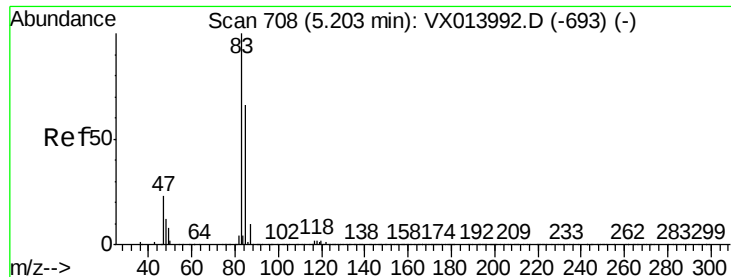


#24

Methyl tert-Butyl Ether
 Concen: 20.534 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. -0.01 min
 Lab File: VX014347.D
 Acq: 30 Dec 2019 12:05

Tgt Ion: 73 Resp: 330774
 Ion Ratio Lower Upper
 73 100
 43 21.5 16.6 25.0





#25

Chloroform

Concen: 20.701 ug/l

RT: 5.19 min Scan# 706

Delta R.T. -0.01 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Instrument :

MSVOA_X

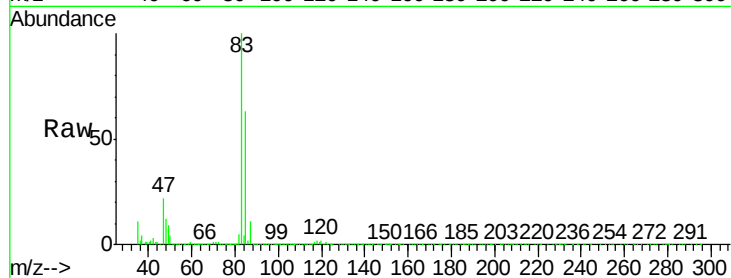
ClientSampleId :

Tot Ion: 83 Resp: 188334

Ion Ratio Lower Upper

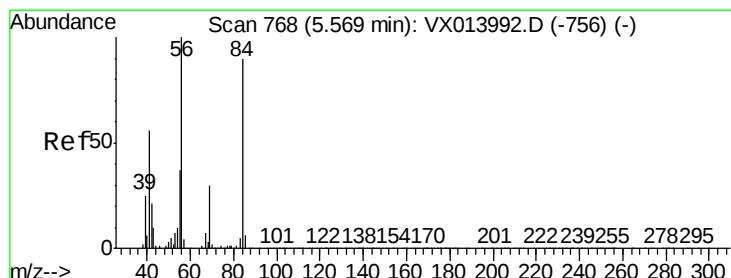
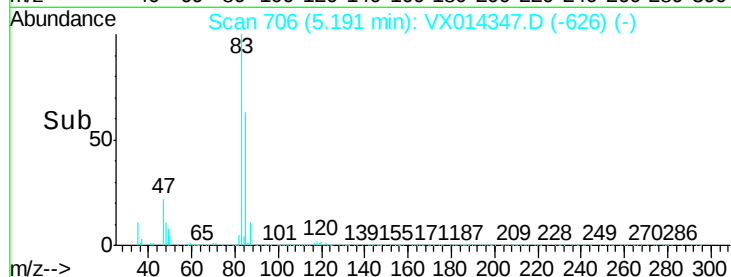
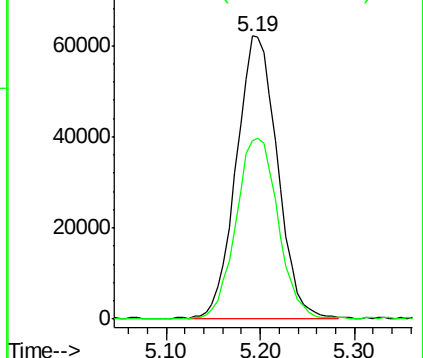
83 100

85 63.0 52.7 79.1



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 21.353 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

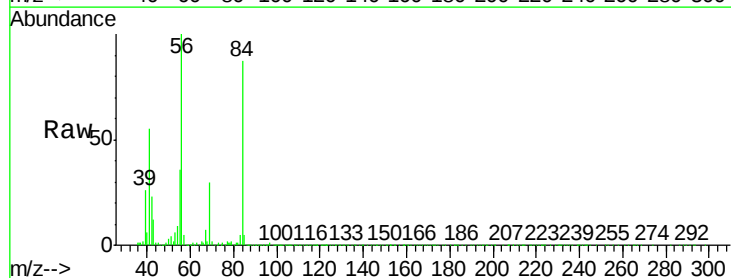
Tgt Ion: 56 Resp: 181698

Ion Ratio Lower Upper

56 100

89 0.2 0.1 0.1#

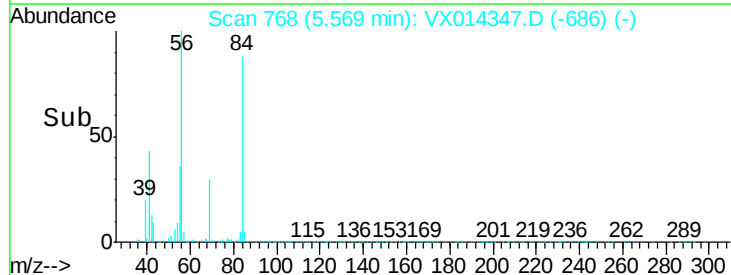
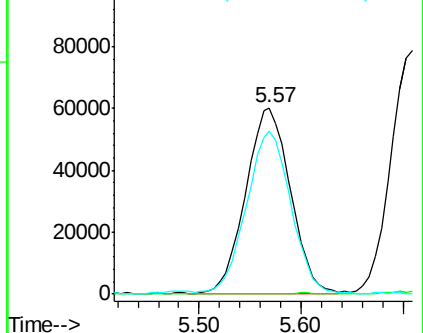
84 87.5 70.8 106.2

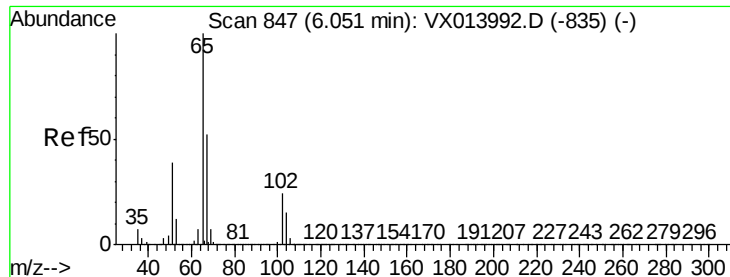


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 29.068 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.01 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

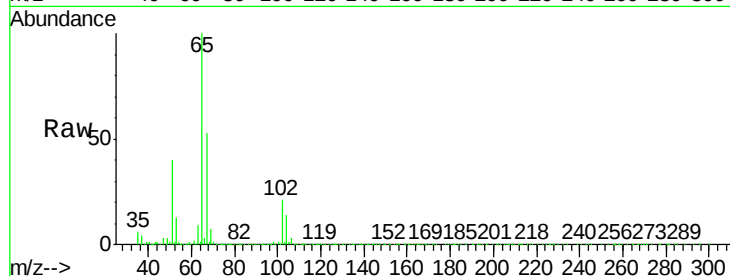
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 65 Resp: 177283

Ion Ratio Lower Upper

65 100

67 54.6 43.1 64.7



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

6.04

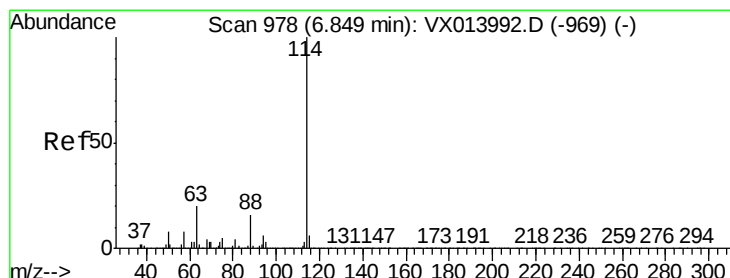
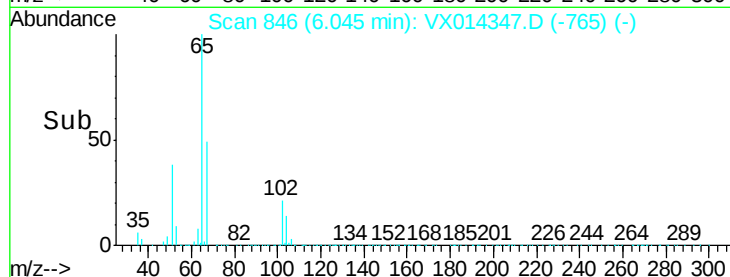
60000

40000

20000

0

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

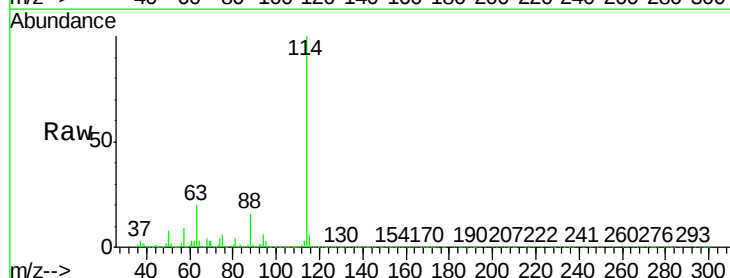
Tgt Ion: 114 Resp: 470569

Ion Ratio Lower Upper

114 100

63 20.7 16.1 24.1

88 15.6 12.5 18.7



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

250000

200000

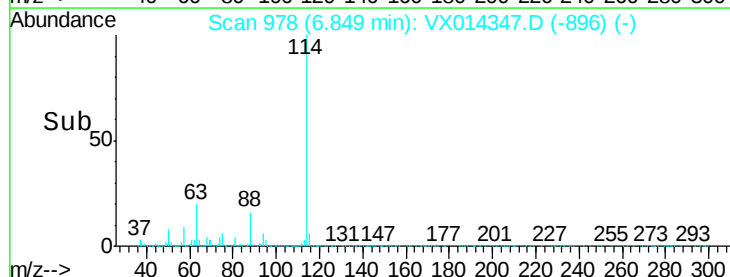
150000

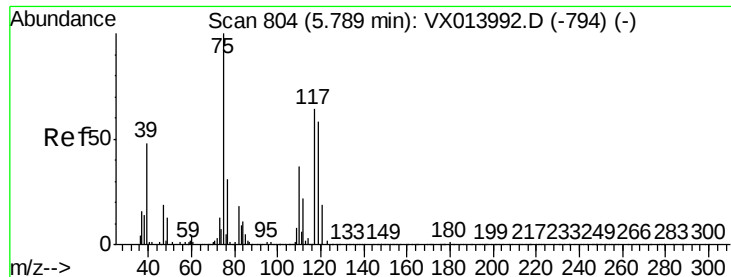
100000

50000

0

Time-->

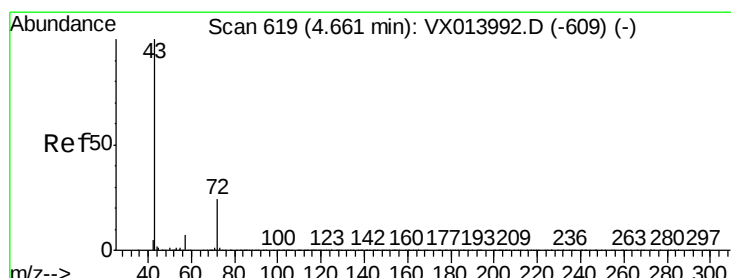
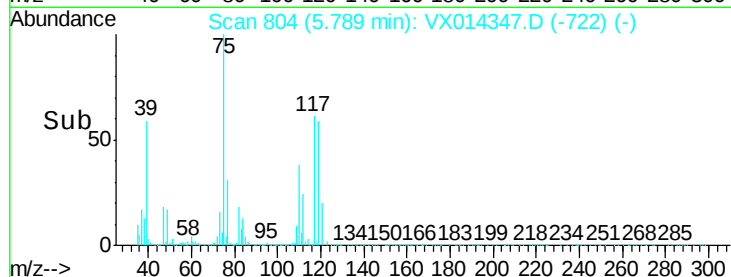
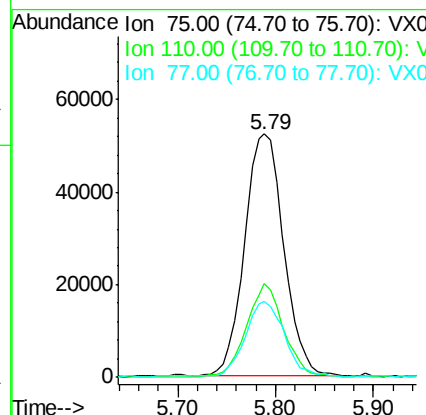
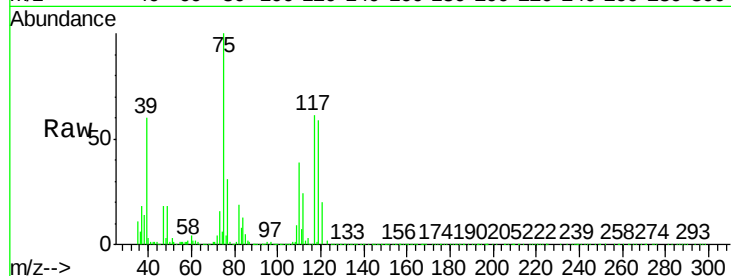




#29
1,1-Dichloropropene
Concen: 21.143 ug/l
RT: 5.79 min Scan# 804
Delta R.T. -0.00 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

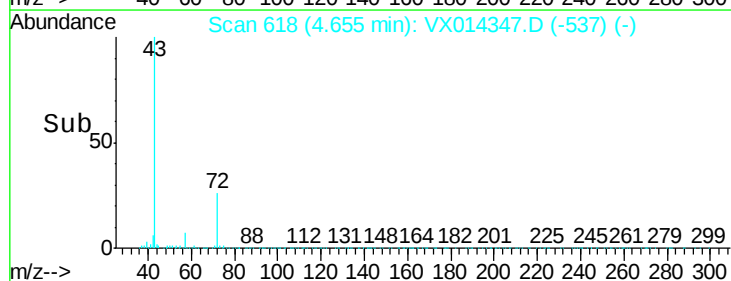
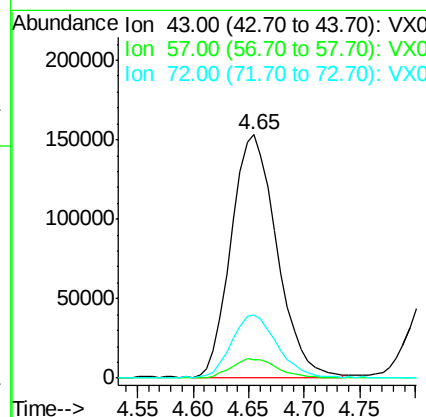
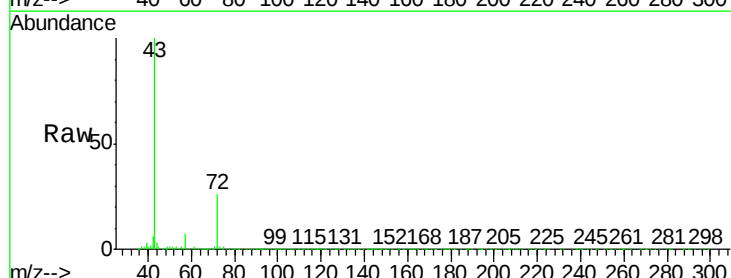
Instrument :
MSVOA_X
ClientSampleId :

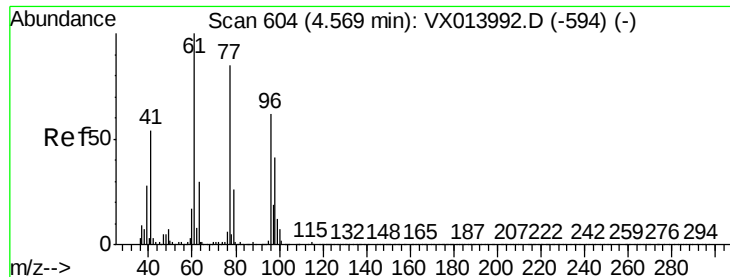
Tot Ion	Ratio	Lower	Upper
75	100		
110	36.6	0.0	73.8
77	31.5	0.0	62.4



#30
2-Butanone
Concen: 108.290 ug/l
RT: 4.65 min Scan# 618
Delta R.T. -0.01 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.9	6.2	9.2
72	26.1	20.3	30.5





#31

2,2-Dichloropropane

Concen: 24.518 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Instrument :

MSVOA_X

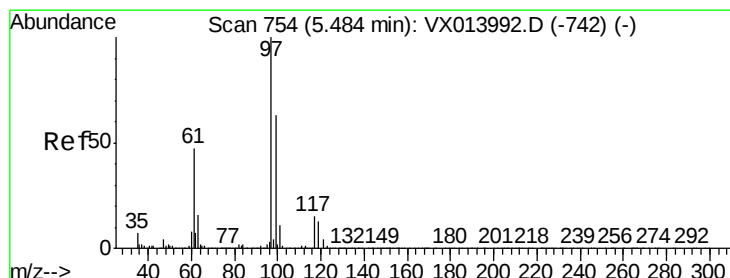
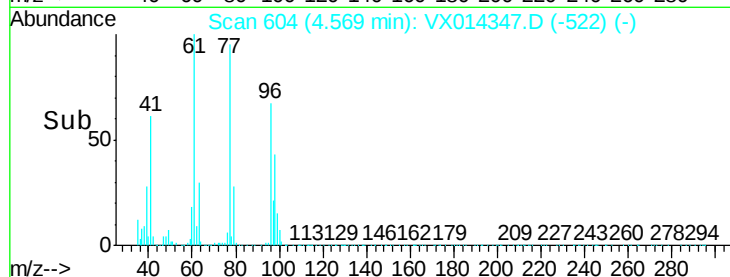
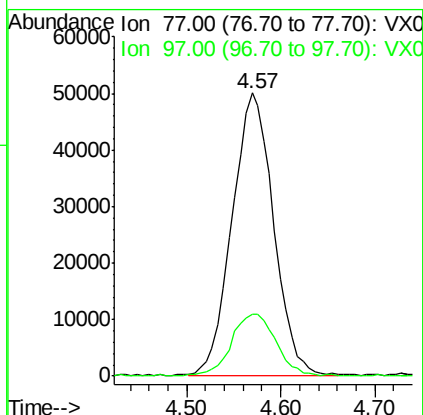
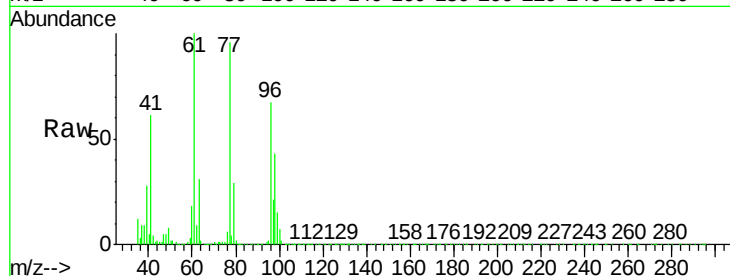
ClientSampled :

Tot Ion: 77 Resp: 154158

Ion Ratio Lower Upper

77 100

97 23.4 19.7 29.5



#32

1,1,1-Trichloroethane

Concen: 20.920 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.01 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

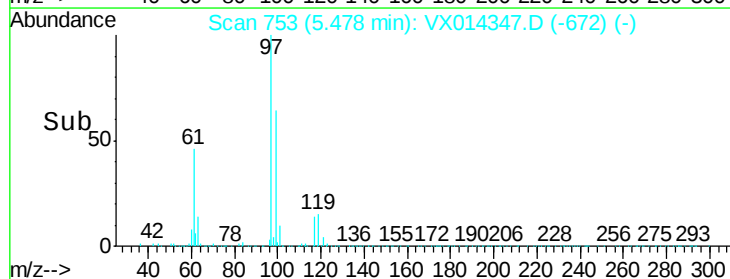
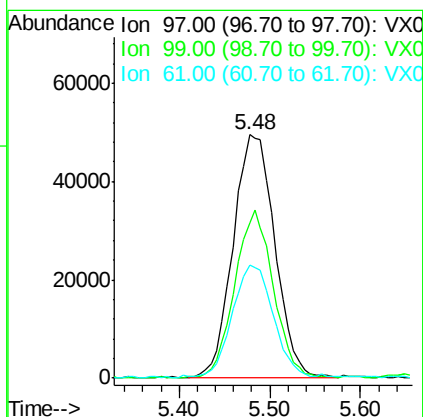
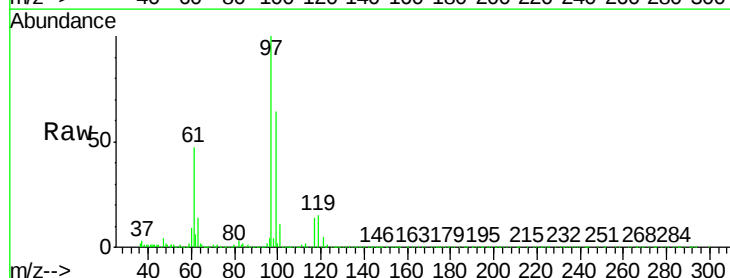
Tgt Ion: 97 Resp: 157279

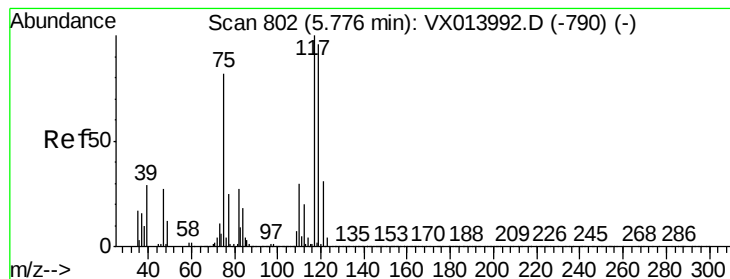
Ion Ratio Lower Upper

97 100

99 64.3 51.9 77.9

61 44.8 36.8 55.2





#33

Carbon Tetrachloride

Concen: 20.847 ug/l

RT: 5.78 min Scan# 802

Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Instrument :
MSVOA_X
ClientSampleId :

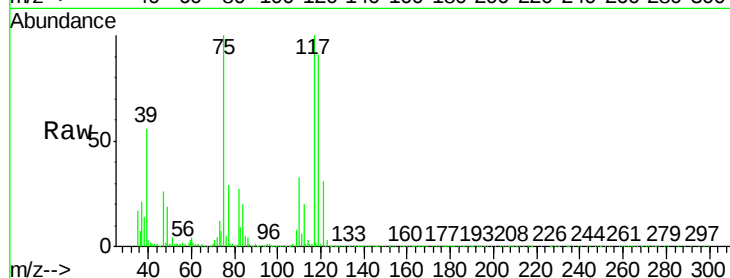
Tot Ion:117 Resp: 133236

Ion Ratio Lower Upper

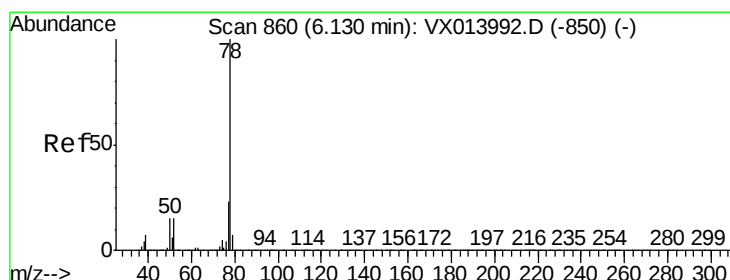
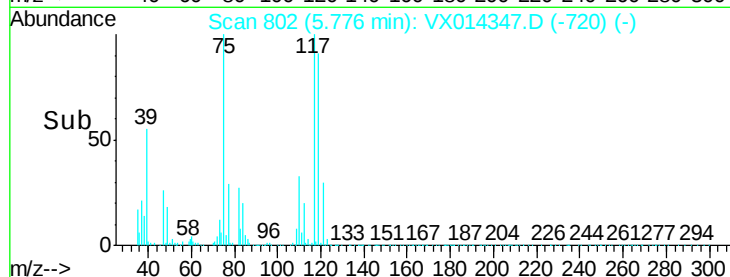
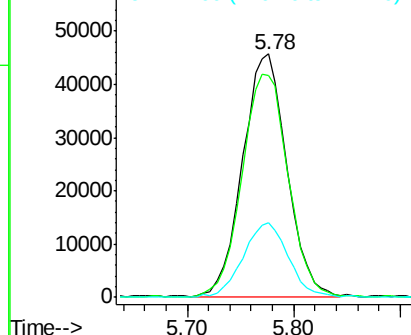
117 100

119 91.0 77.2 115.8

121 30.6 24.8 37.2



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 21.298 ug/l

RT: 6.13 min Scan# 860

Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

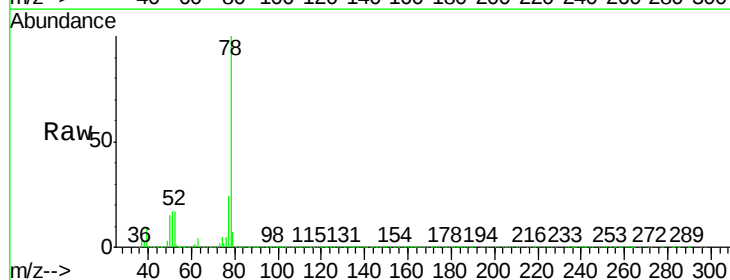
Tgt Ion: 78 Resp: 451403

Ion Ratio Lower Upper

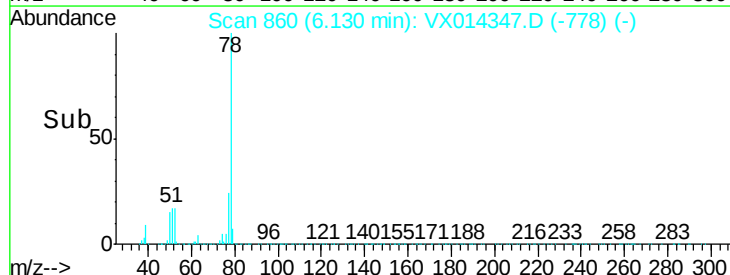
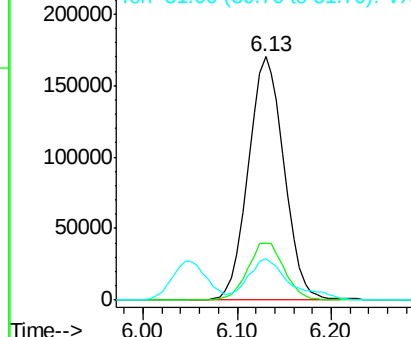
78 100

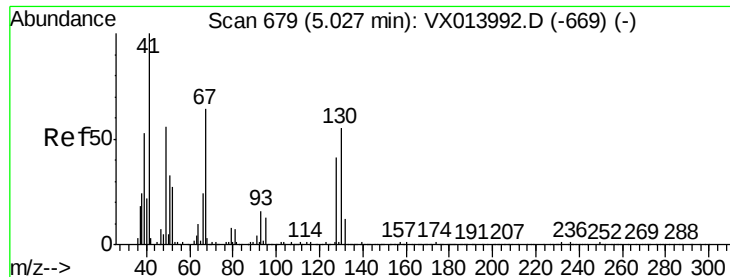
77 23.5 18.2 27.2

51 16.3 12.4 18.6



Abundance Ion 78.10 (77.80 to 78.80): VX0
Ion 77.00 (76.70 to 77.70): VX0
Ion 51.00 (50.70 to 51.70): VX0

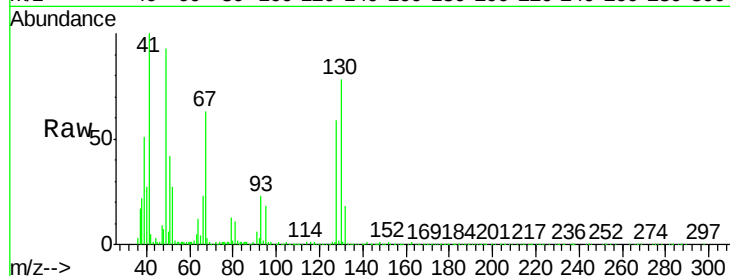




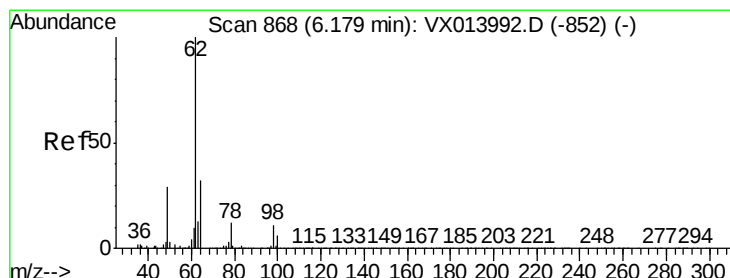
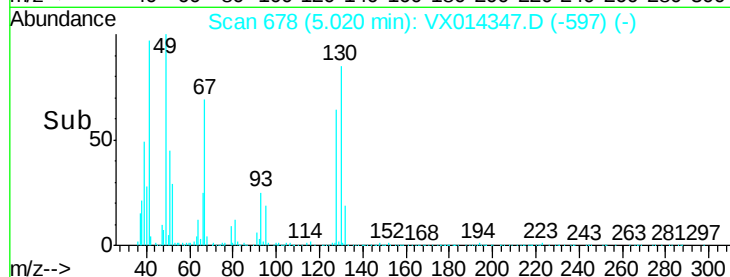
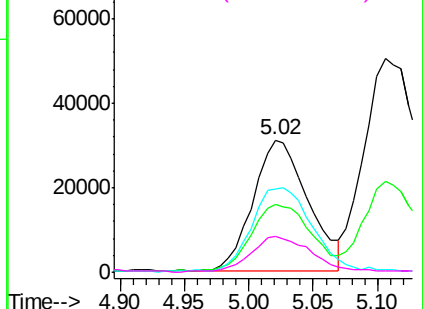
#35
Methacrylonitrile
Concen: 21.329 ug/l
RT: 5.02 min Scan# 678
Delta R.T. -0.01 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	41	Resp:	91906
Ion	Ratio	Lower	Upper
41	100		
39	50.8	26.7	80.1
67	63.5	31.5	94.5
52	26.0	12.8	38.4

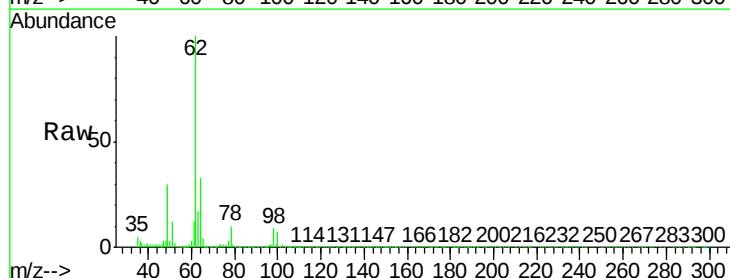


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

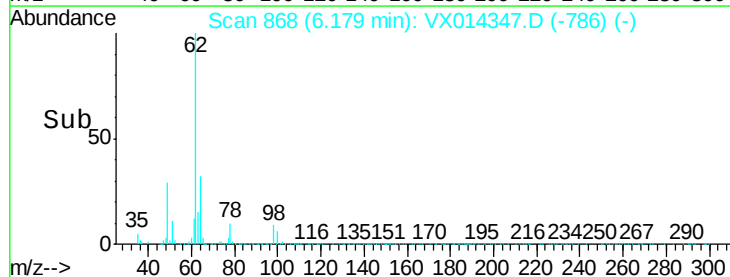
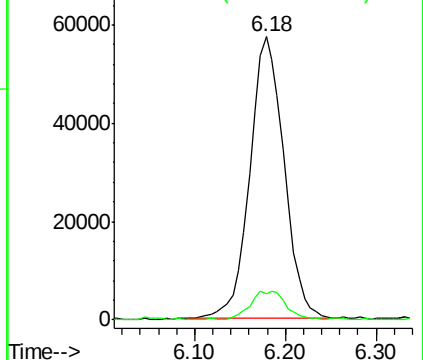


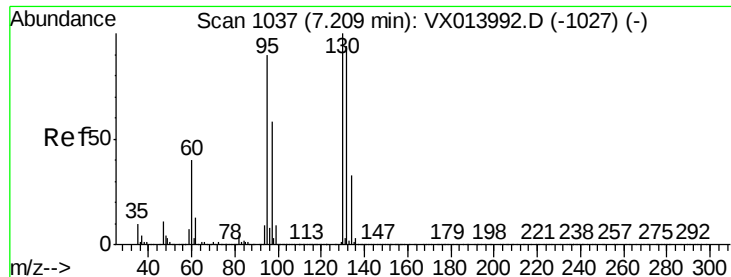
#36
1,2-Dichloroethane
Concen: 20.291 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Tgt Ion:	62	Resp:	149385
Ion	Ratio	Lower	Upper
62	100		
98	5.1	8.4	12.6#



Abundance Ion 62.00 (61.70 to 62.70): VX0
Ion 98.00 (97.70 to 98.70): VX0





#37

Trichloroethene

Concen: 21.050 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Instrument :

MSVOA_X

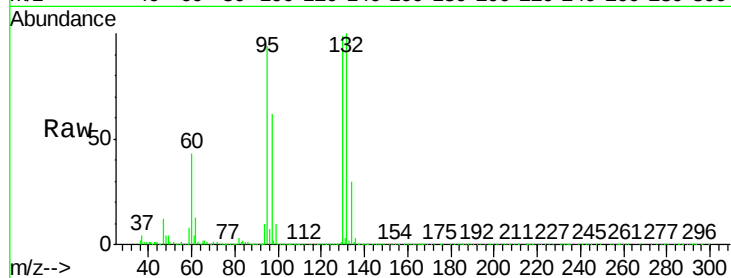
ClientSampleId :

Tot Ion:130 Resp: 121397

Ion Ratio Lower Upper

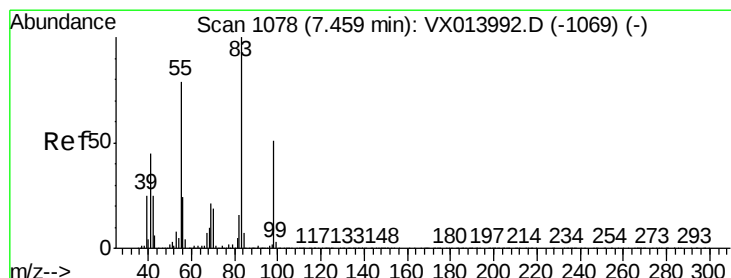
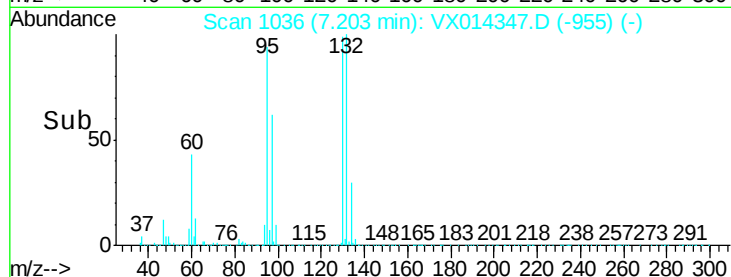
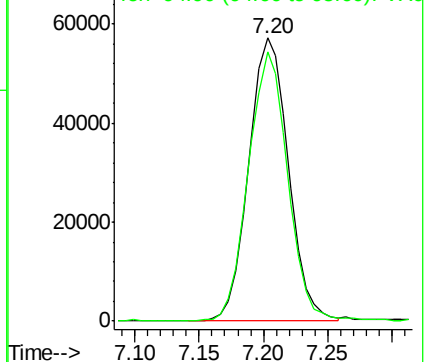
130 100

95 95.0 71.7 107.5



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 22.888 ug/l

RT: 7.45 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

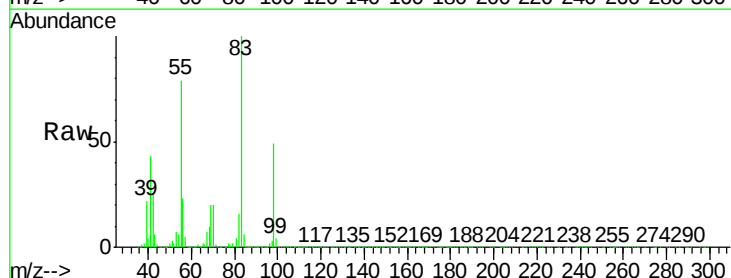
Tgt Ion: 83 Resp: 185574

Ion Ratio Lower Upper

83 100

55 77.1 39.4 118.1

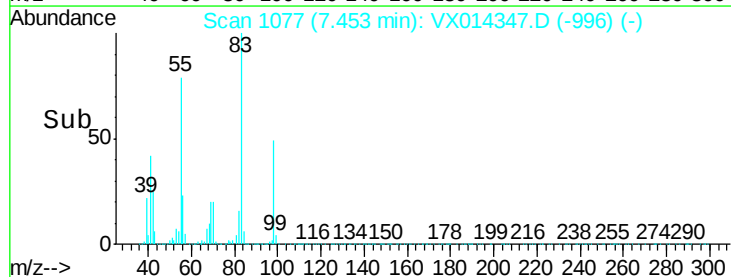
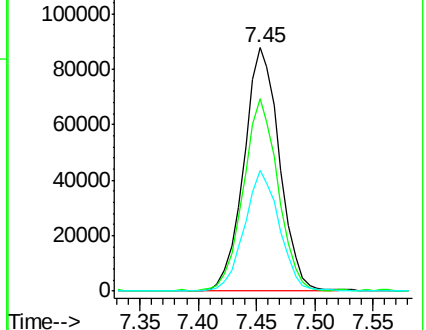
98 48.8 25.1 75.3

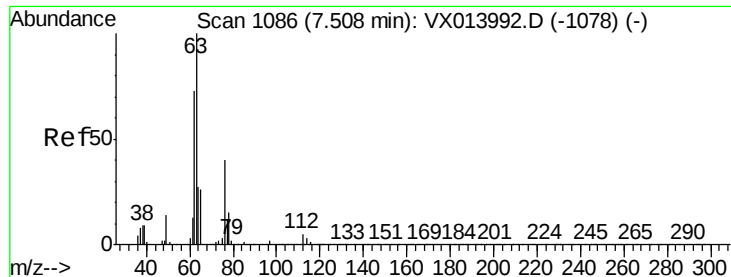


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

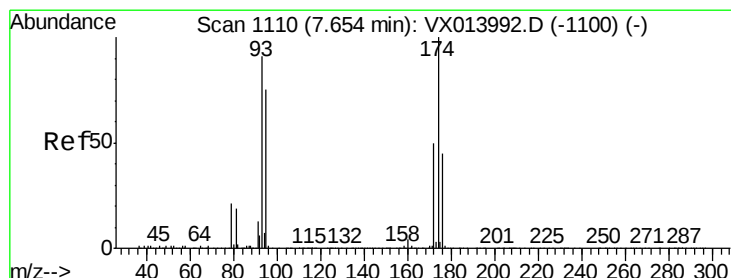
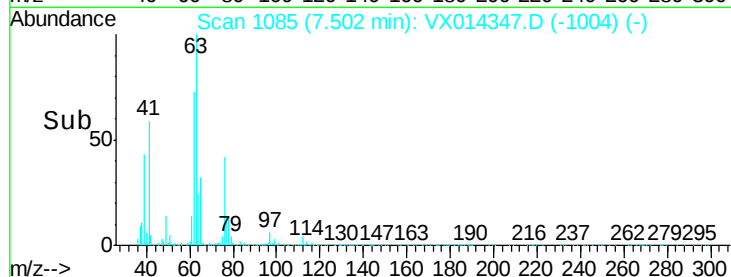
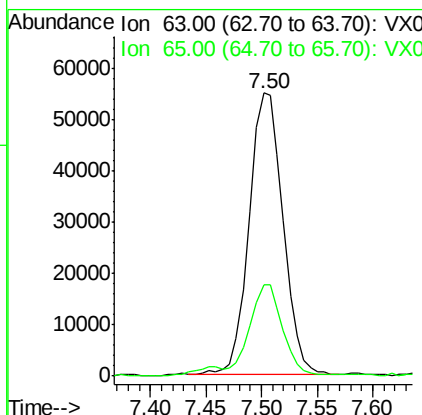
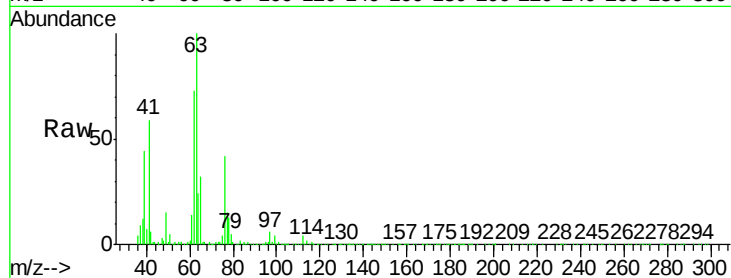




#39
 1,2-Dichloropropane
 Concen: 21.241 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX014347.D
 Acq: 30 Dec 2019 12:05

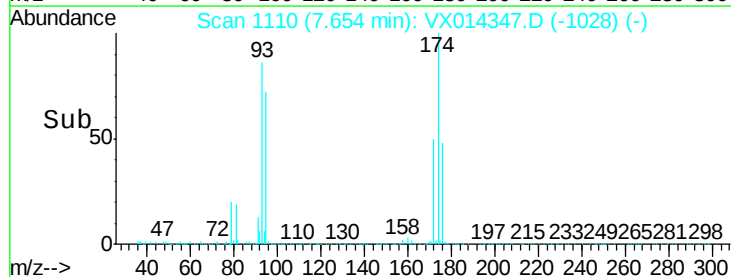
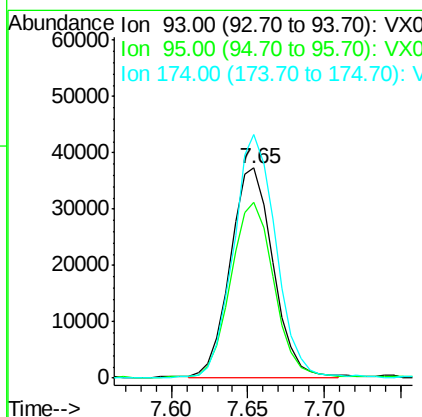
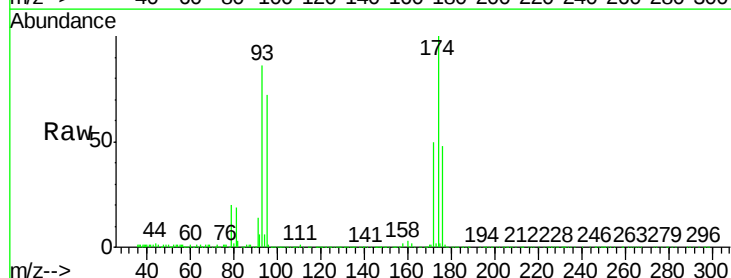
Instrument :
 MSVOA_X
 ClientSampleId :

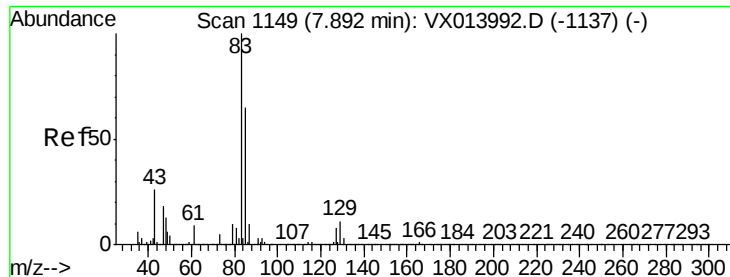
Tot Ion: 63 Resp: 116927
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.1 33.1



#40
 Dibromomethane
 Concen: 20.622 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX014347.D
 Acq: 30 Dec 2019 12:05

Tgt Ion: 93 Resp: 72518
 Ion Ratio Lower Upper
 93 100
 95 83.2 0.0 164.4
 174 116.2 0.0 228.8





#41

Bromodichloromethane

Concen: 21.127 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Instrument :
MSVOA_X
ClientSampleId :

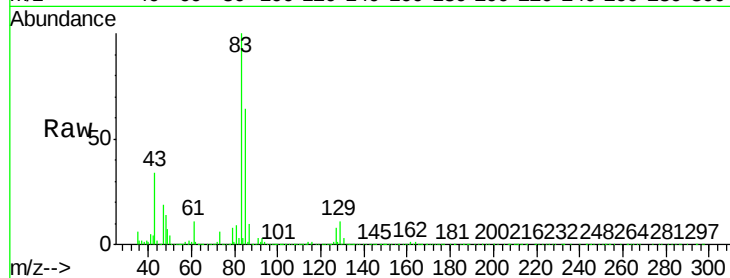
Tot Ion: 83 Resp: 143858

Ion Ratio Lower Upper

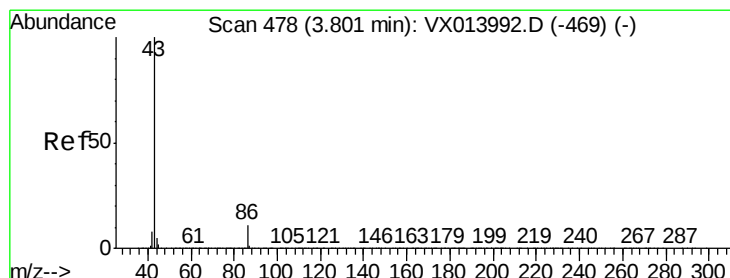
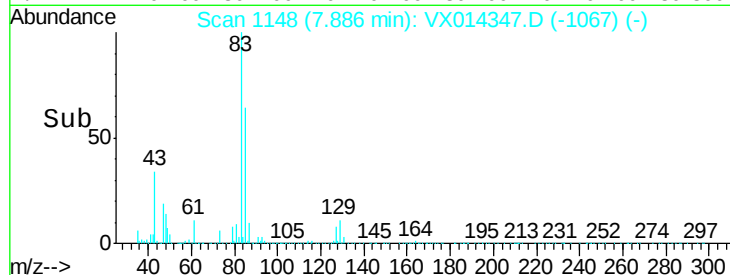
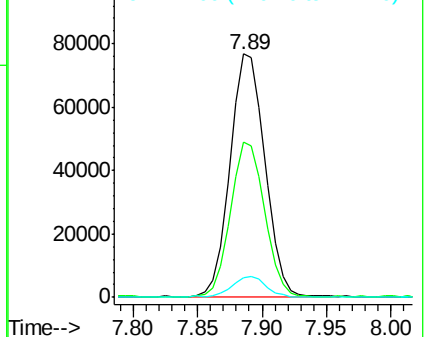
83 100

85 63.6 51.6 77.4

127 7.8 6.0 9.0



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 85.00 (84.70 to 85.70): VX0
Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 110.702 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX014347.D

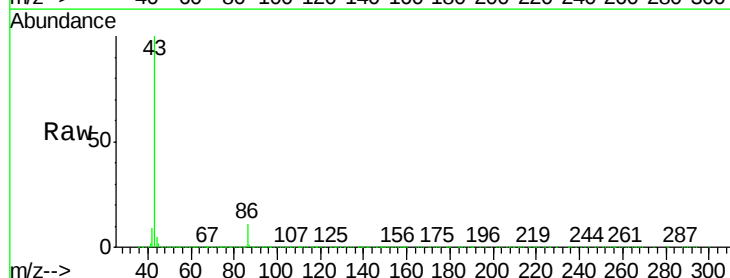
Acq: 30 Dec 2019 12:05

Tgt Ion: 43 Resp: 1565878

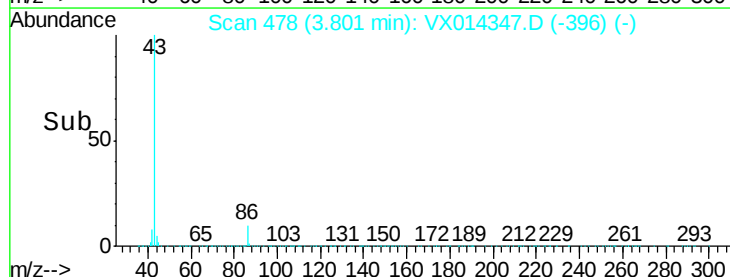
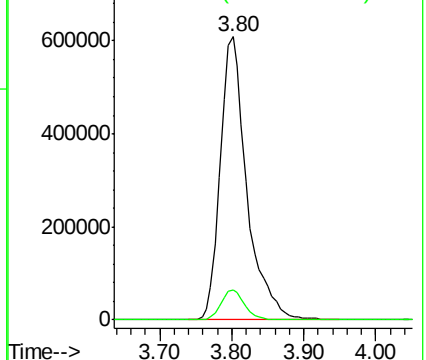
Ion Ratio Lower Upper

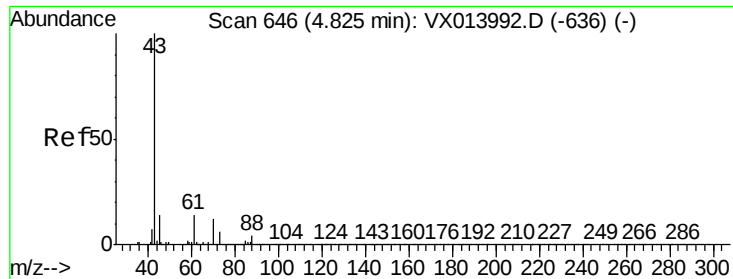
43 100

86 9.4 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 86.00 (85.70 to 86.70): VX0

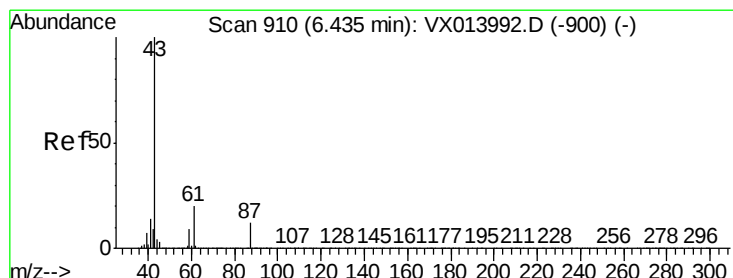
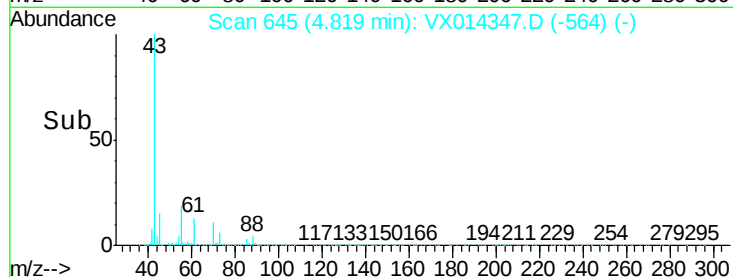
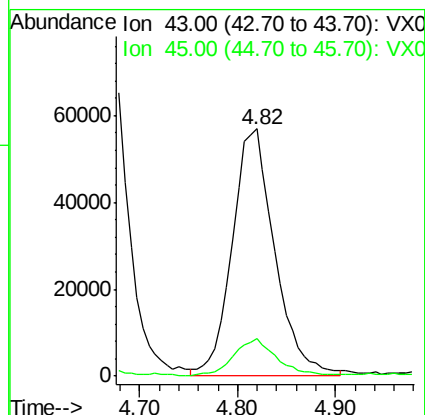
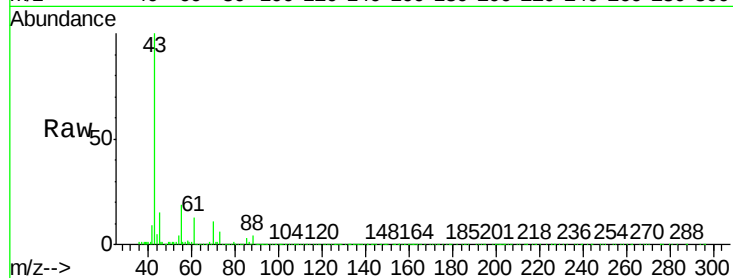




#43
Ethyl Acetate
Concen: 22.159 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.01 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

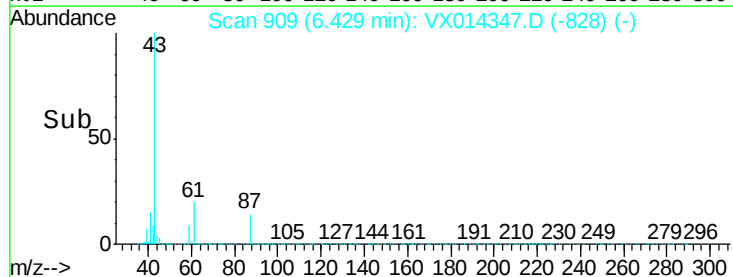
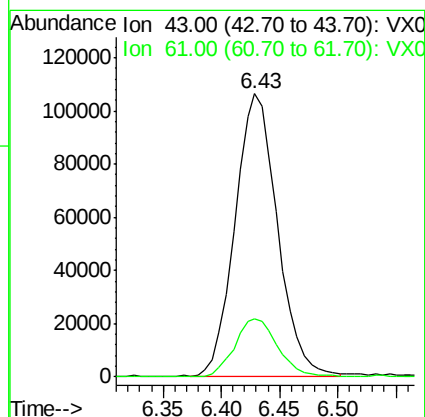
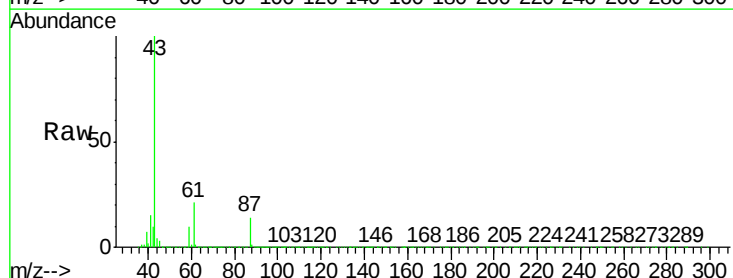
Instrument :
MSVOA_X
ClientSampleId :

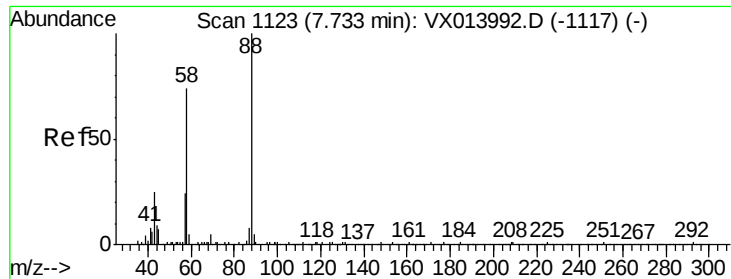
Tot Ion: 43 Resp: 170350
Ion Ratio Lower Upper
43 100
45 14.8 11.8 17.8



#44
Isopropyl Acetate
Concen: 20.827 ug/l
RT: 6.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Tgt Ion: 43 Resp: 268167
Ion Ratio Lower Upper
43 100
61 20.7 15.9 23.9





#45

1,4-Dioxane

Concen: 468.077 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

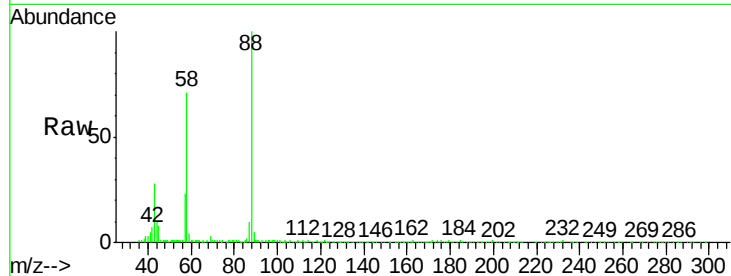
Tot Ion: 88 Resp: 56439

Ion Ratio Lower Upper

88 100

43 32.7 25.4 38.2

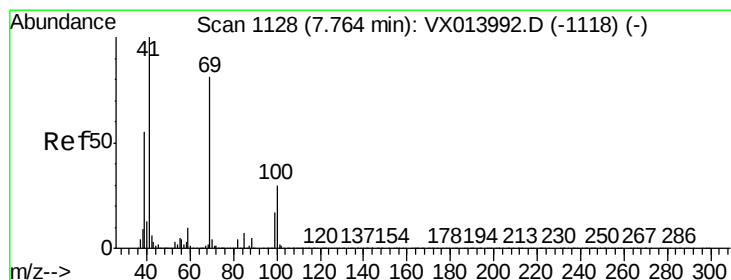
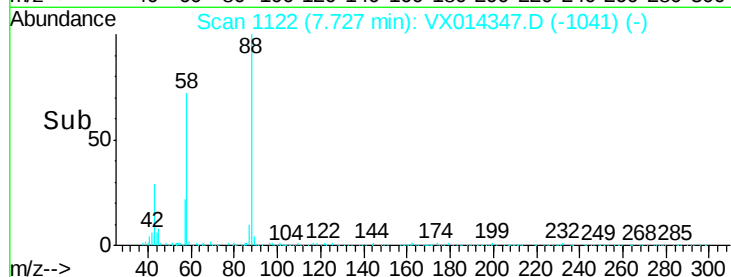
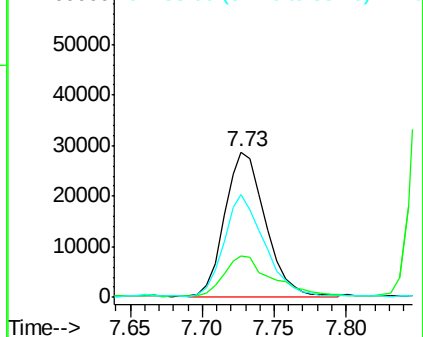
58 69.8 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#46

Methyl methacrylate

Concen: 20.785 ug/l

RT: 7.76 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

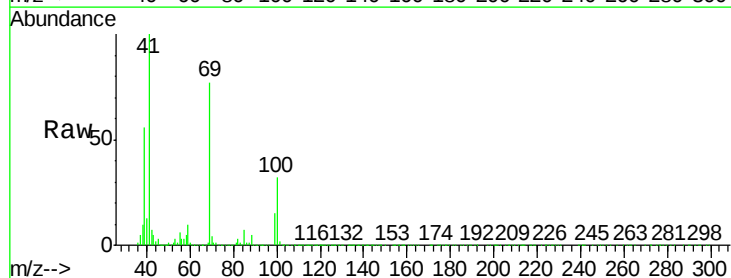
Tgt Ion: 41 Resp: 129991

Ion Ratio Lower Upper

41 100

69 77.4 40.6 122.0

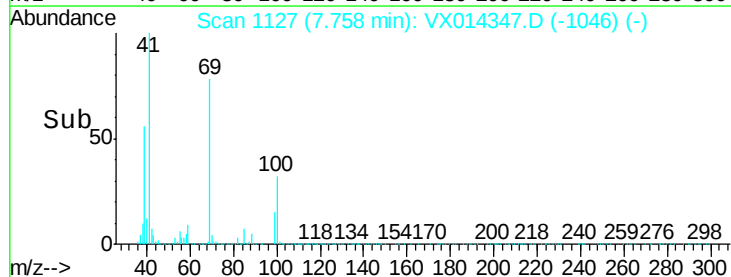
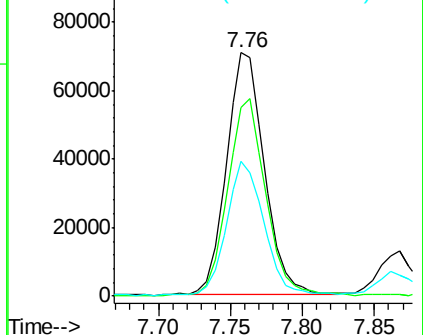
39 55.3 27.8 83.3

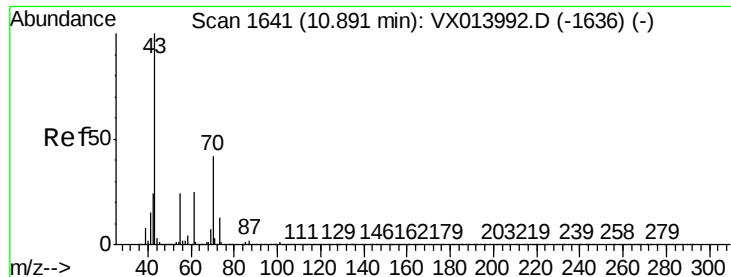


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#47

n-amvl Acetate

Concen: 19.876 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Instrument :

MSVOA_X

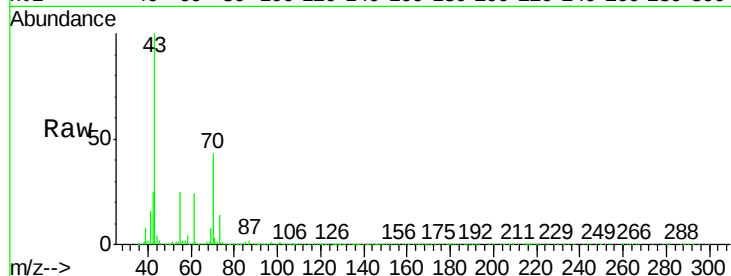
ClientSampleId :

Tot Ion: 43 Resp: 227558

Ion Ratio Lower Upper

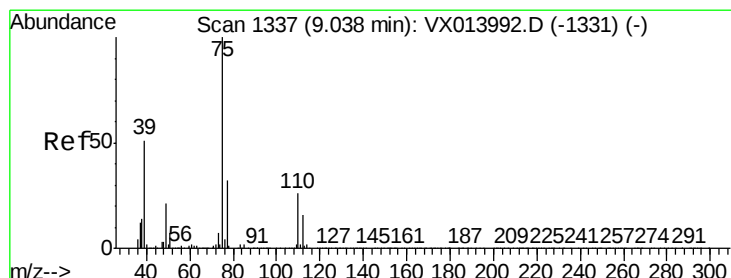
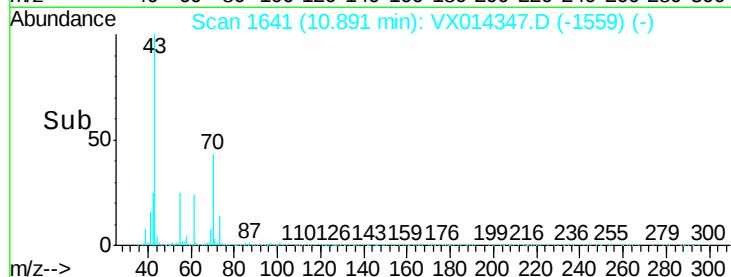
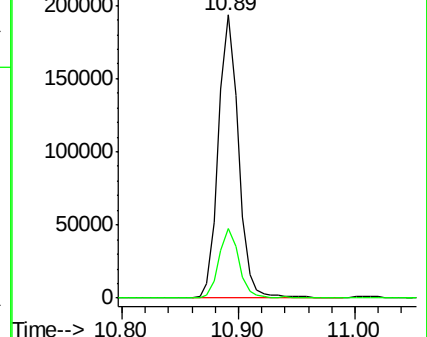
43 100

55 24.2 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#48

t-1,3-Dichloropropene

Concen: 21.193 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX014347.D

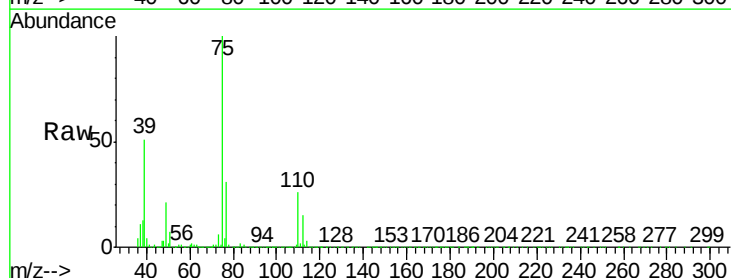
Acq: 30 Dec 2019 12:05

Tgt Ion: 75 Resp: 157504

Ion Ratio Lower Upper

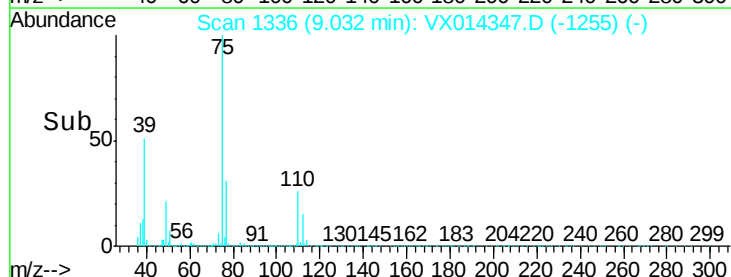
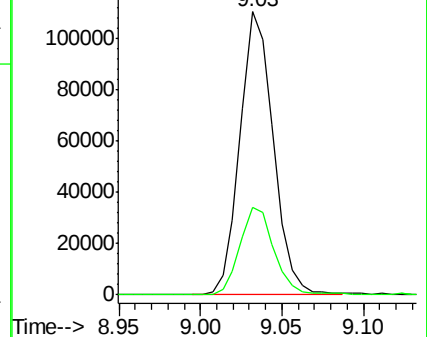
75 100

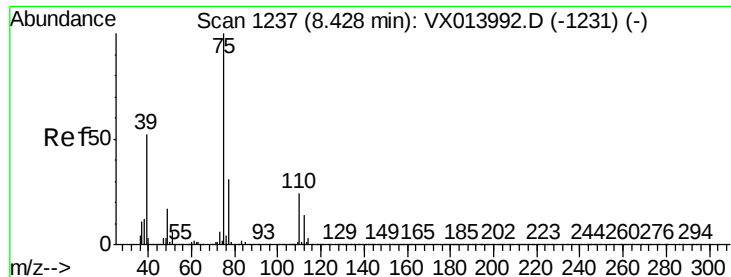
77 30.6 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



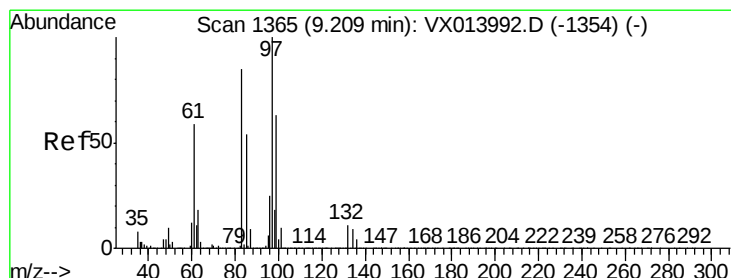
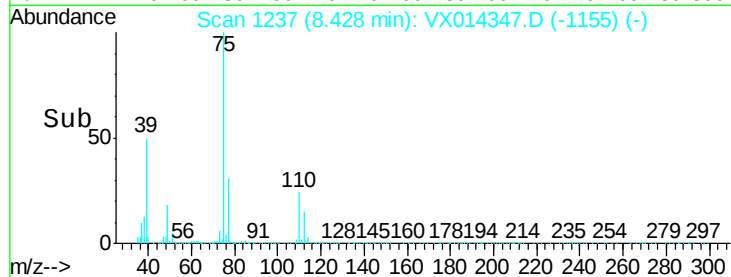
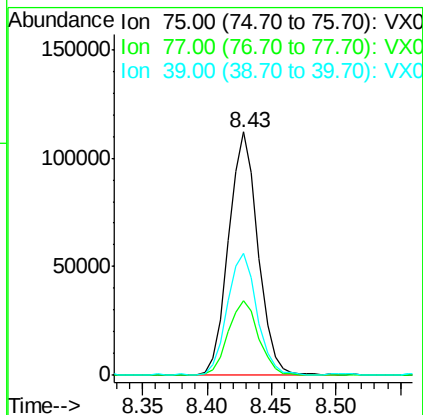
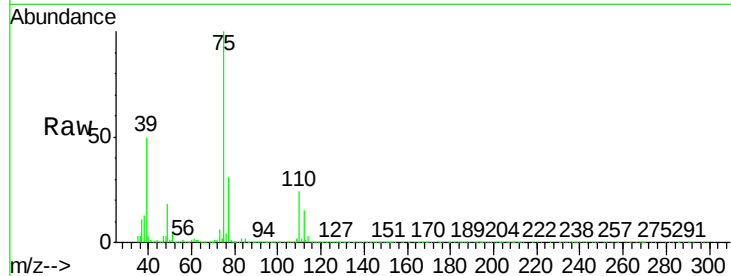


#49

cis-1,3-Dichloropropene
Concen: 21.283 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Instrument :
MSVOA_X
ClientSampled :

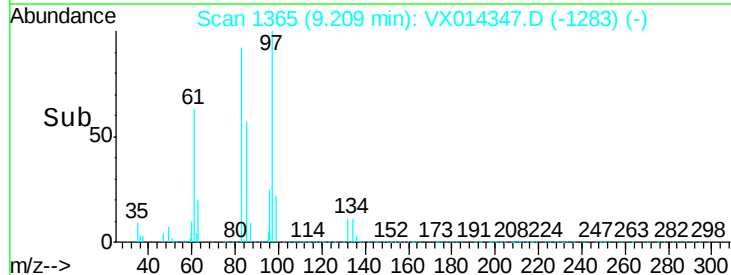
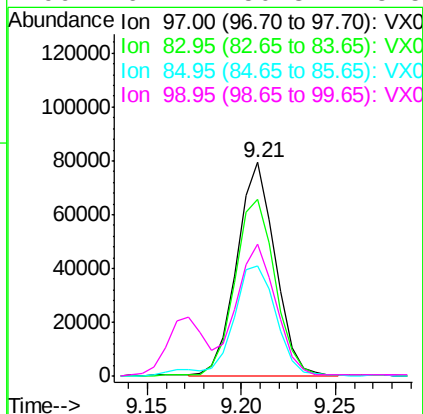
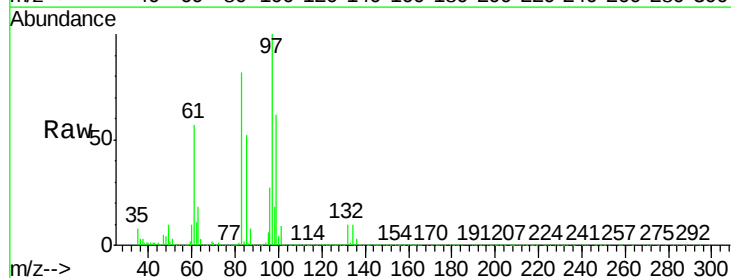
Tot Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.8	37.2
39	50.1	41.1	61.7

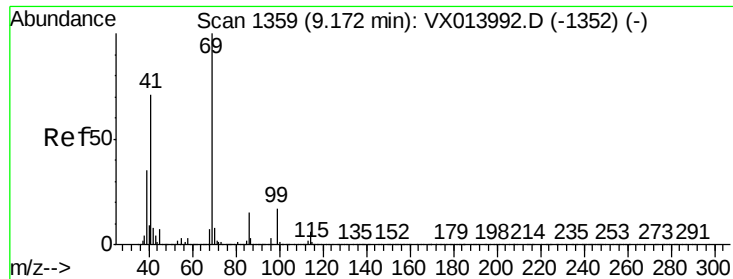


#50

1,1,2-Trichloroethane
Concen: 20.657 ug/l
RT: 9.21 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.4	68.1	102.1
85	51.6	42.7	64.1
99	61.4	50.3	75.5

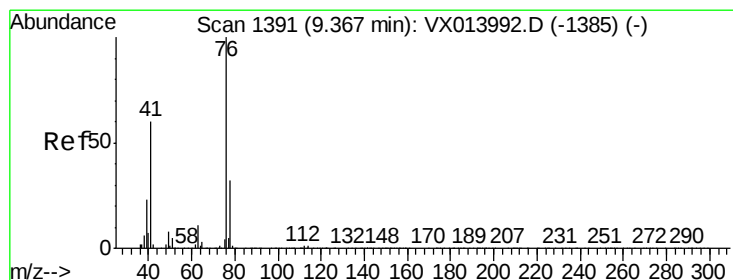
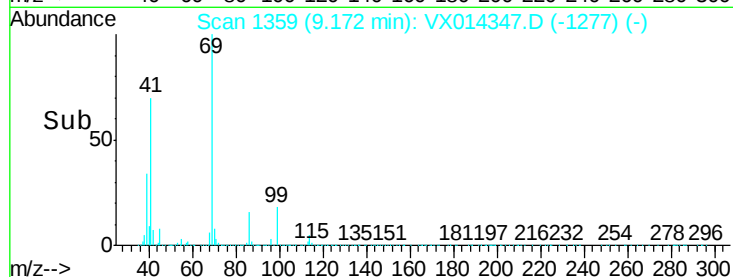
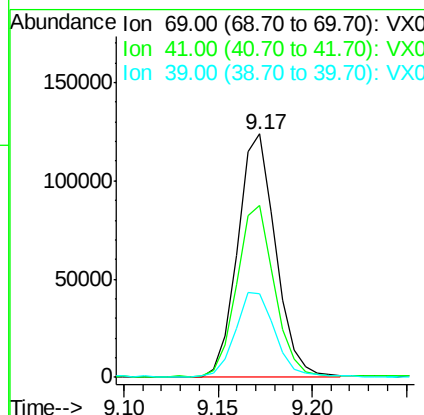
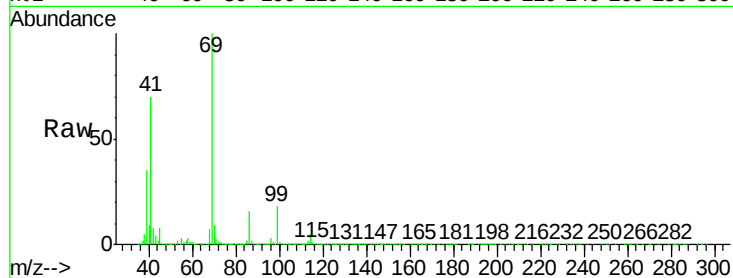




#51
Ethyl methacrylate
Concen: 19.854 ug/l
RT: 9.17 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

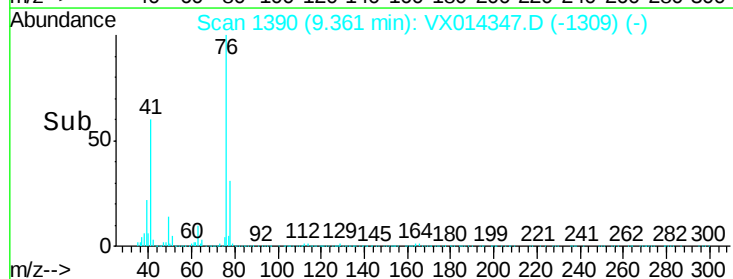
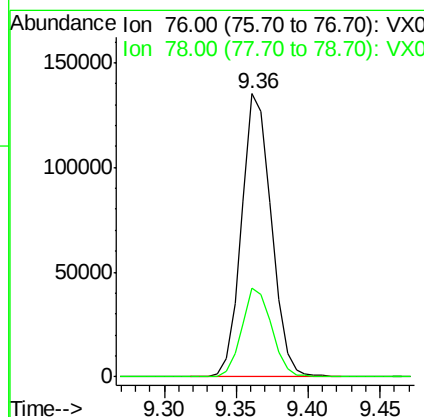
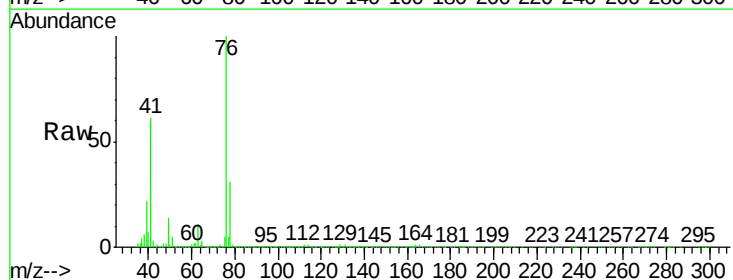
Instrument :
MSVOA_X
ClientSampleId :

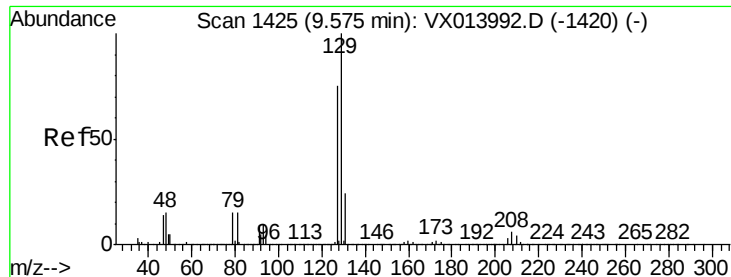
Tot Ion	Ratio	Lower	Upper
69	100		
41	70.4	35.4	106.1
39	34.3	17.8	53.3



#52
1,3-Dichloropropane
Concen: 20.993 ug/l
RT: 9.36 min Scan# 1390
Delta R.T. -0.01 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Tgt Ion	Ratio	Lower	Upper
76	100		
78	31.4	0.0	63.4





#53

Dibromochloromethane

Concen: 20.383 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

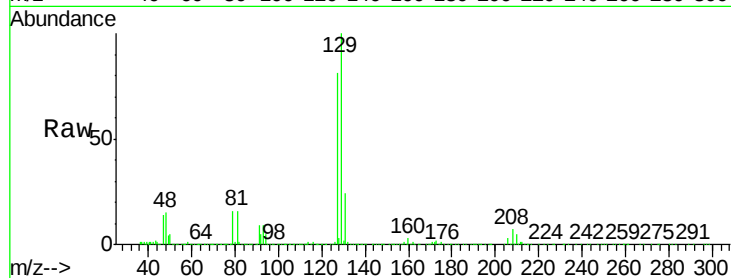
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:129 Resp: 110614

Ion Ratio Lower Upper

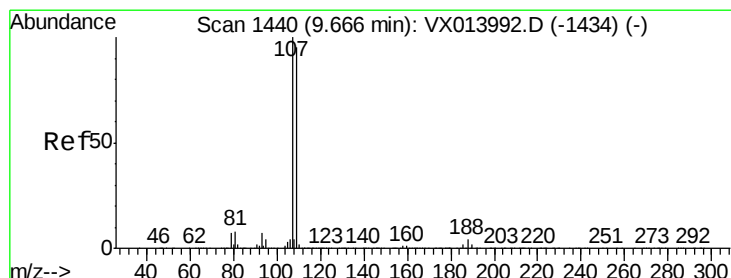
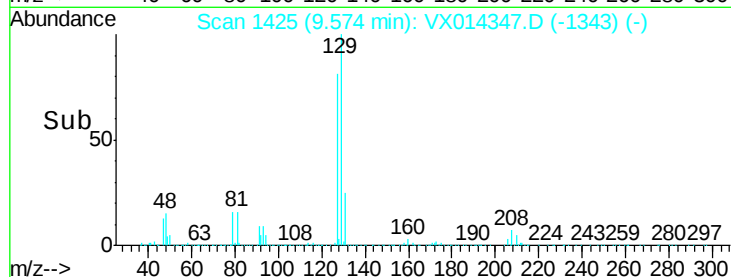
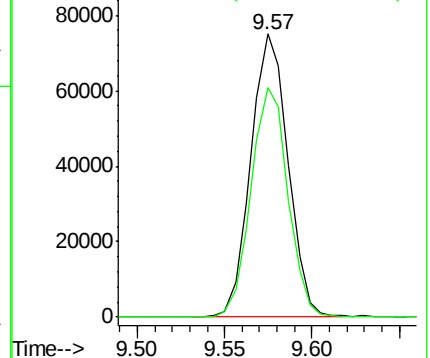
129 100

127 80.4 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 21.022 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX014347.D

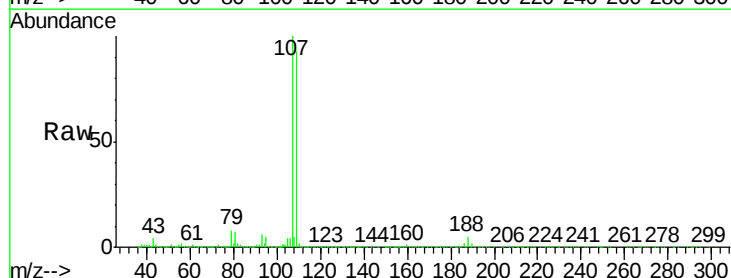
Acq: 30 Dec 2019 12:05

Tgt Ion:107 Resp: 117465

Ion Ratio Lower Upper

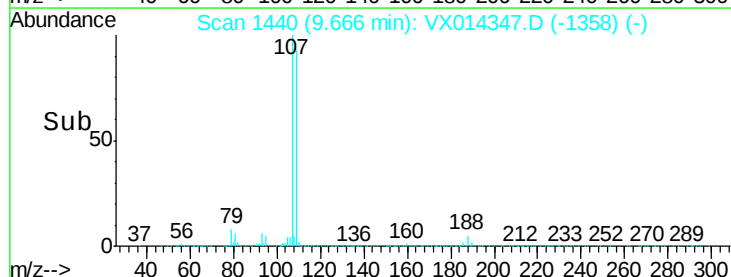
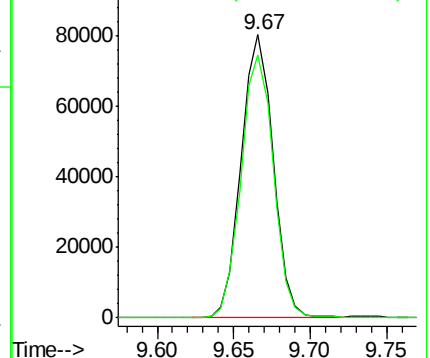
107 100

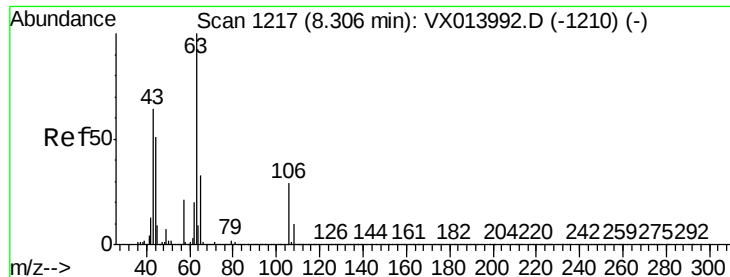
109 93.4 77.2 115.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

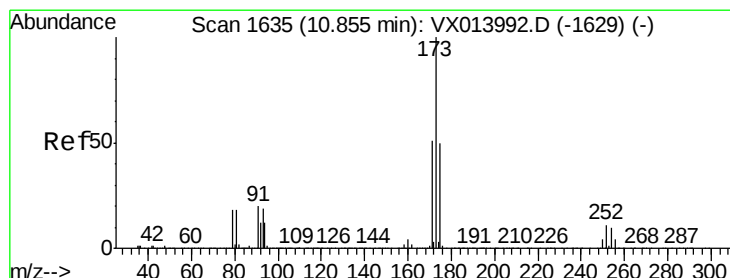
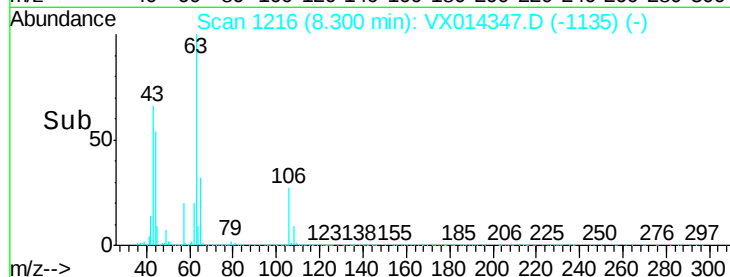
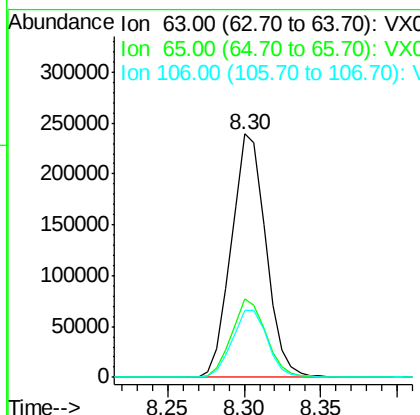
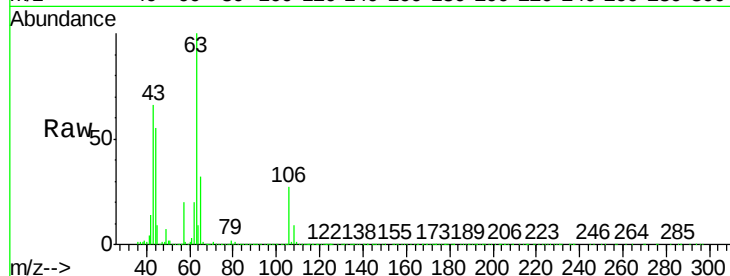




#55
 2-Chloroethyl vinyl ether
 Concen: 98.187 ug/l
 RT: 8.30 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VX014347.D
 Acq: 30 Dec 2019 12:05

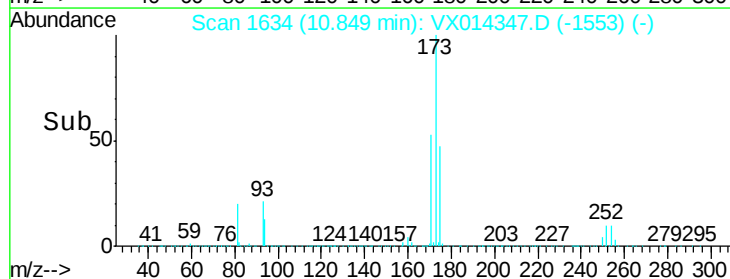
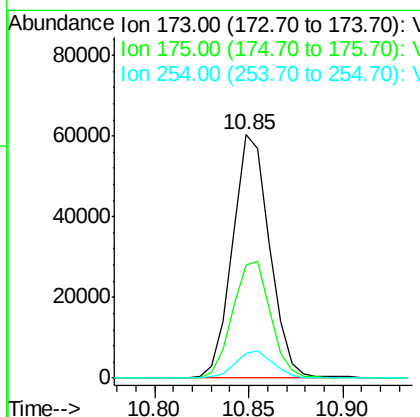
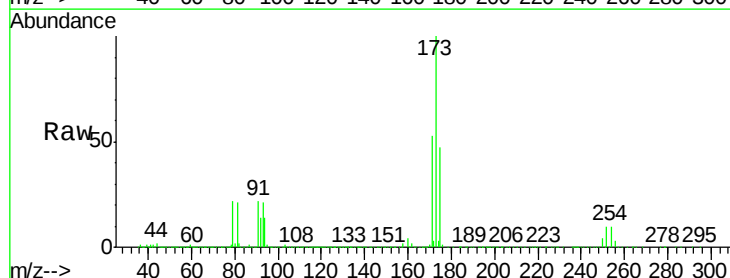
Instrument :
 MSVOA_X
 ClientSampleId :

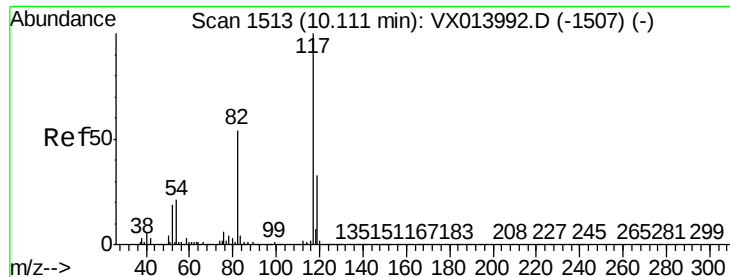
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.8	38.6
106	28.3	22.9	34.3



#56
 Bromoform
 Concen: 19.334 ug/l
 RT: 10.85 min Scan# 1634
 Delta R.T. -0.01 min
 Lab File: VX014347.D
 Acq: 30 Dec 2019 12:05

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.4	39.5	59.3
254	11.5	8.2	12.4





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.10 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

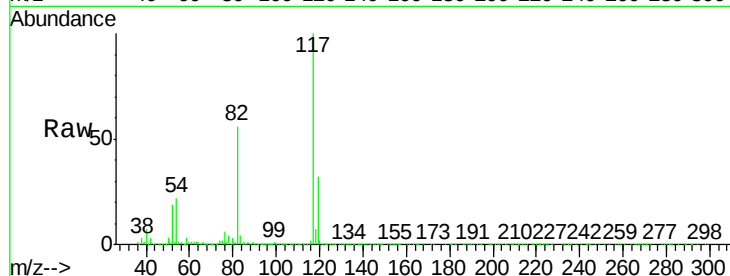
Tot Ion:117 Resp: 426469

Ion Ratio Lower Upper

117 100

82 54.9 43.8 65.6

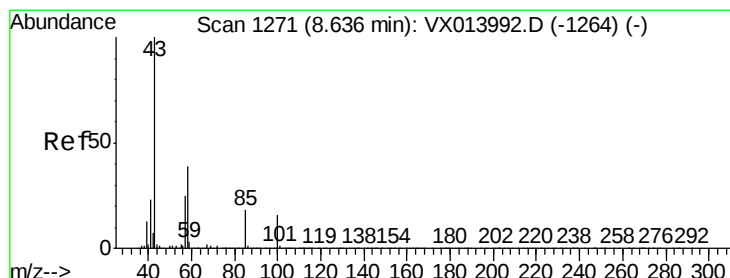
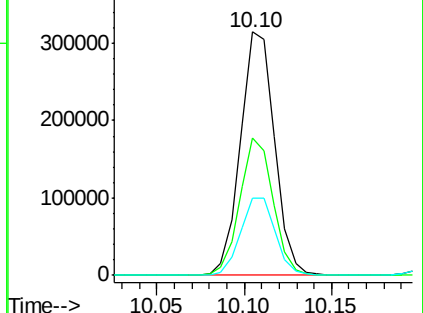
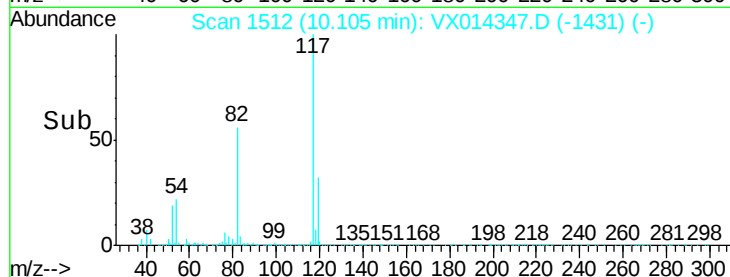
119 32.5 25.8 38.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V



#58

4-Methyl-2-Pentanone

Concen: 105.687 ug/l

RT: 8.63 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

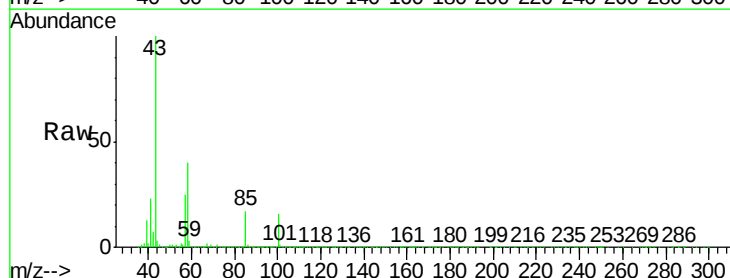
Tgt Ion: 43 Resp: 843324

Ion Ratio Lower Upper

43 100

58 40.1 31.2 46.8

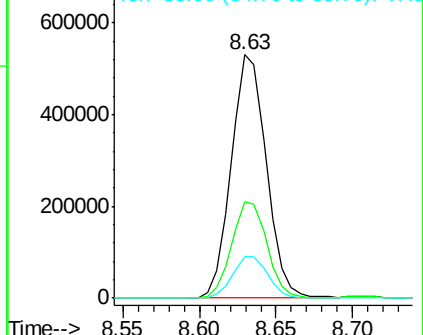
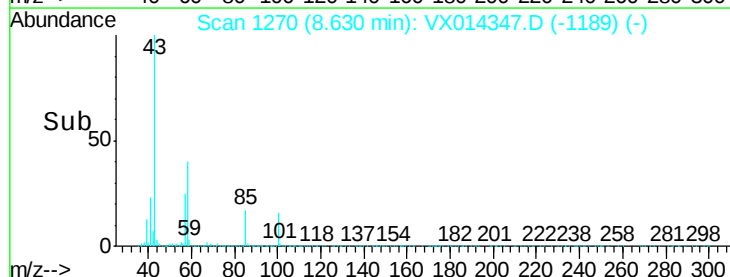
85 17.3 14.2 21.2

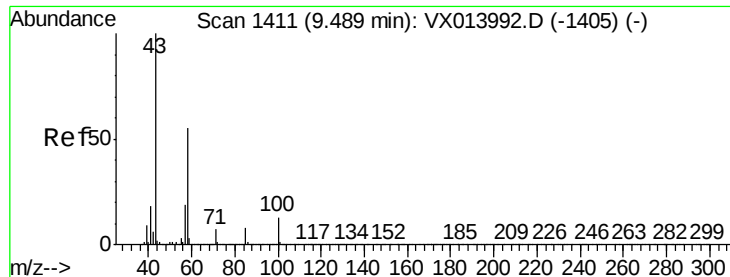


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

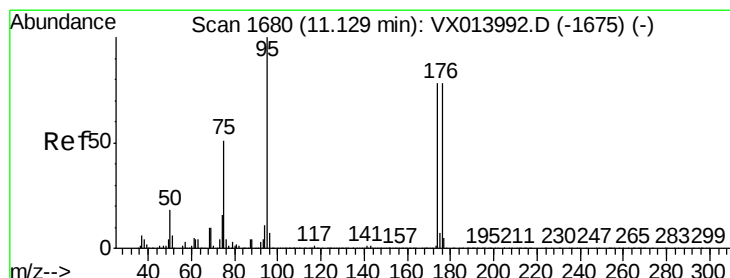
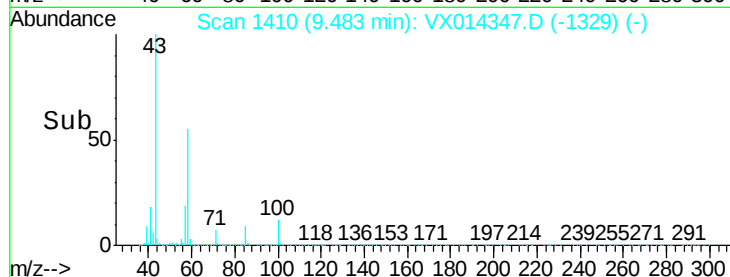
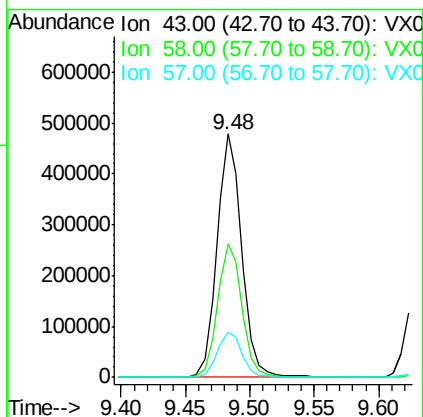
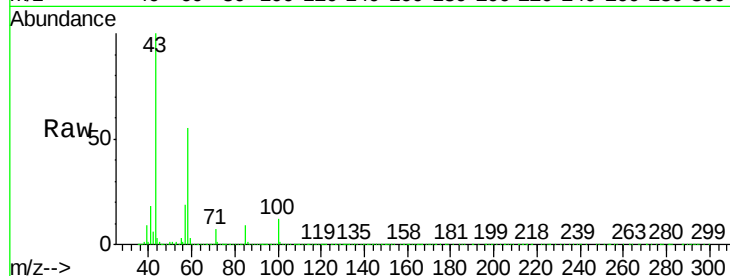




#59
2-Hexanone
Concen: 106.023 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

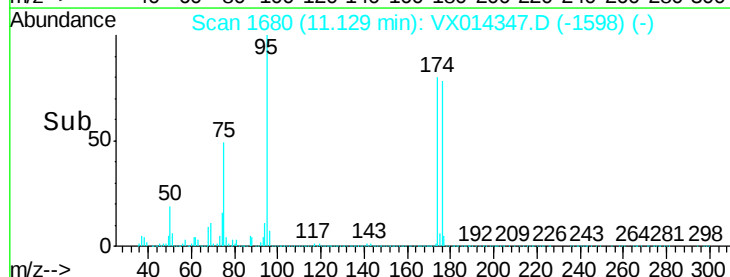
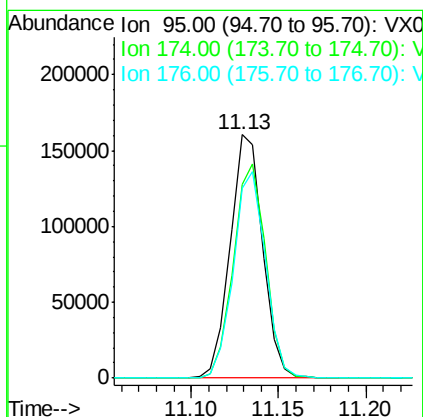
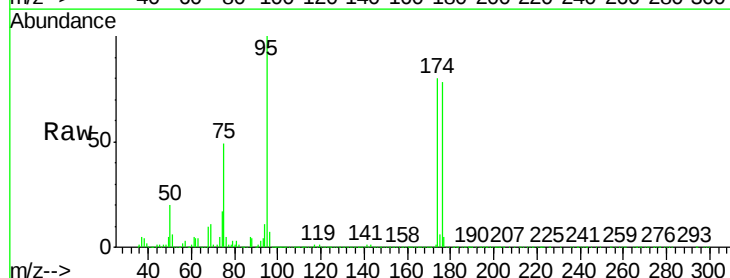
Instrument :
MSVOA_X
ClientSampleId :

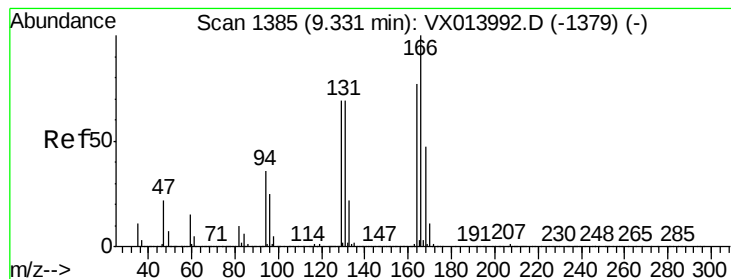
Tot Ion: 43 Resp: 642026
Ion Ratio Lower Upper
43 100
58 54.3 43.8 65.6
57 18.7 15.4 23.0



#60
4-Bromofluorobenzene
Concen: 30.082 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Tgt Ion: 95 Resp: 207163
Ion Ratio Lower Upper
95 100
174 87.3 70.2 105.2
176 84.3 68.3 102.5





#61

Tetrachloroethene

Concen: 22.176 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164 Resp: 125113

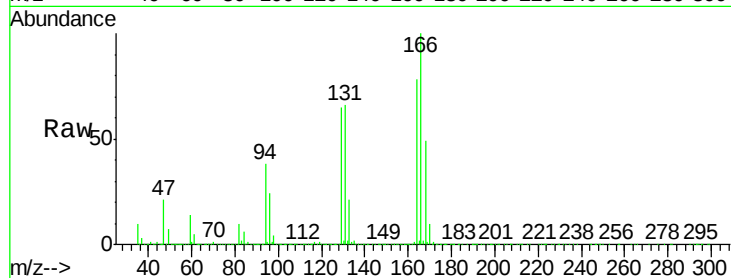
Ion Ratio Lower Upper

164 100

166 129.1 104.2 156.2

129 84.2 71.6 107.4

131 85.7 71.7 107.5

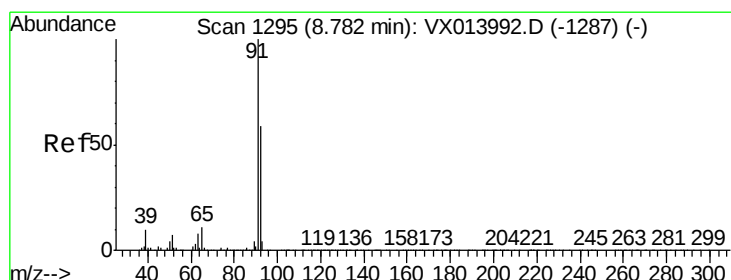
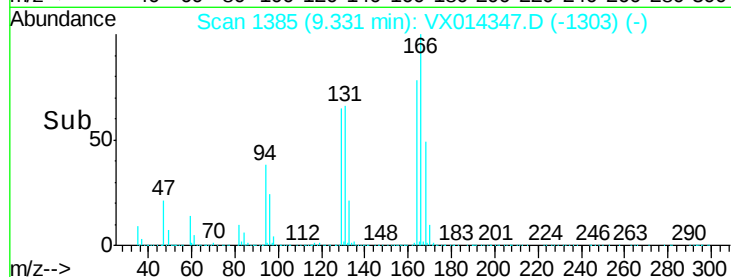
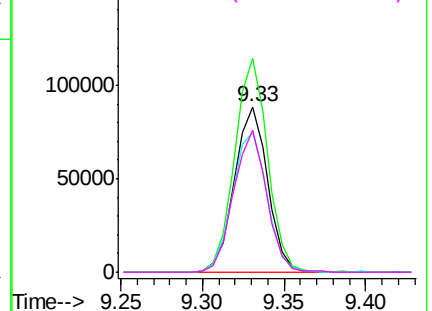


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 21.181 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX014347.D

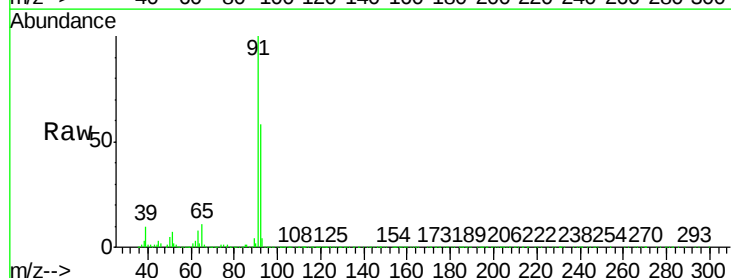
Acq: 30 Dec 2019 12:05

Tgt Ion: 91 Resp: 480435

Ion Ratio Lower Upper

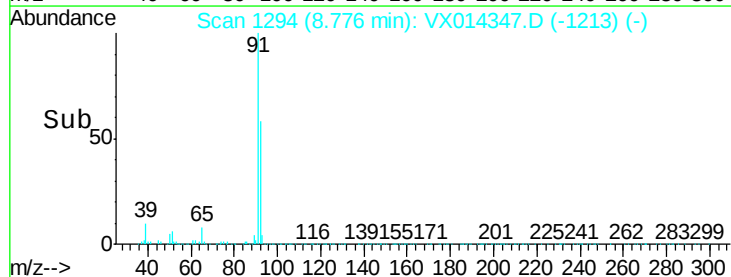
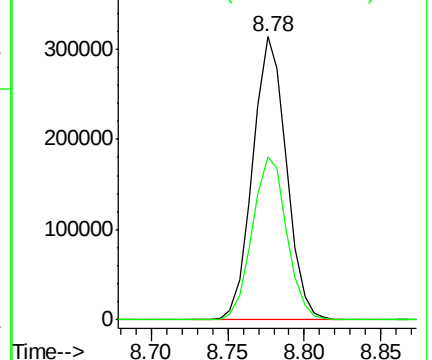
91 100

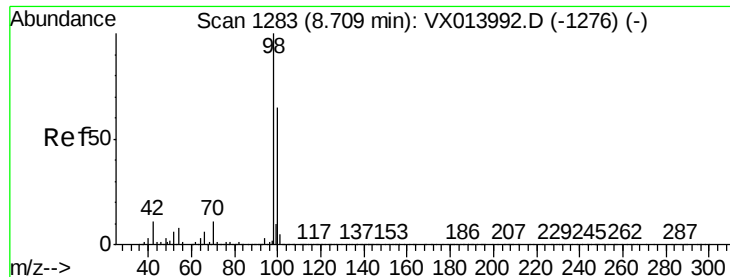
92 58.9 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.574 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Instrument :

MSVOA_X

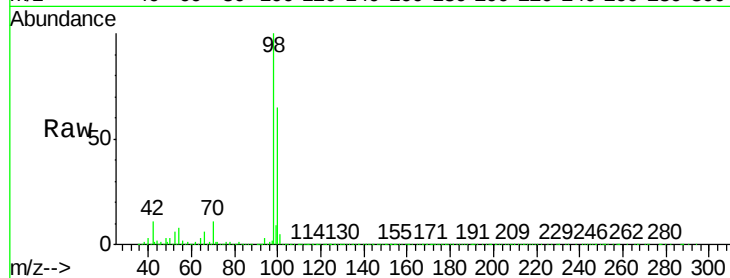
ClientSampleId :

Tot Ion: 98 Resp: 582824

Ion Ratio Lower Upper

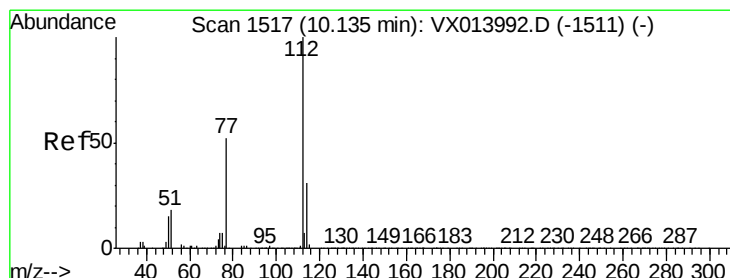
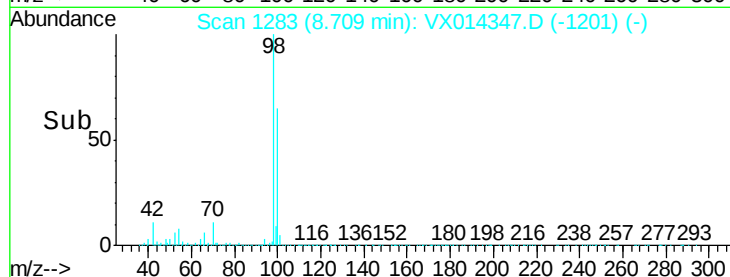
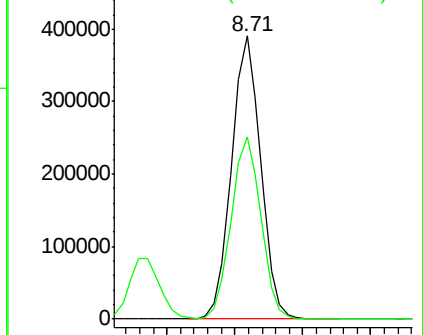
98 100

100 65.4 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#64

Chlorobenzene

Concen: 20.847 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX014347.D

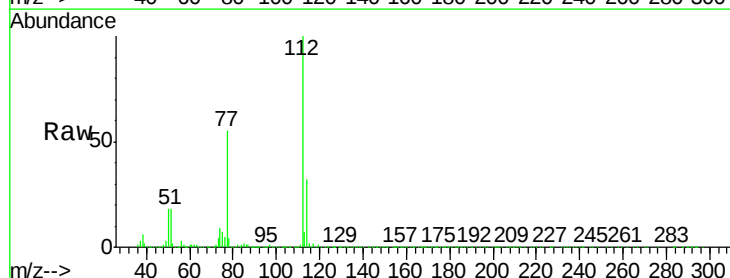
Acq: 30 Dec 2019 12:05

Tgt Ion: 112 Resp: 296238

Ion Ratio Lower Upper

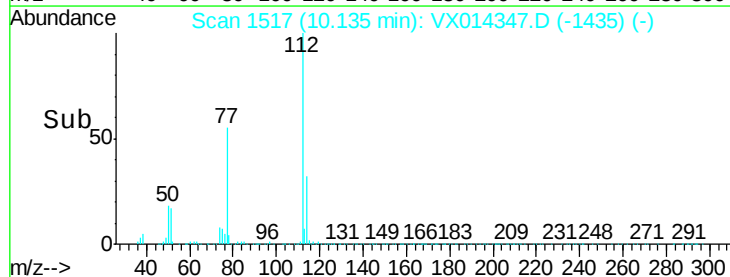
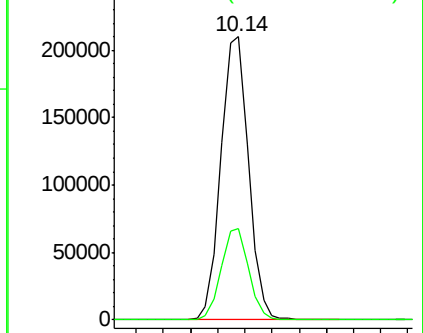
112 100

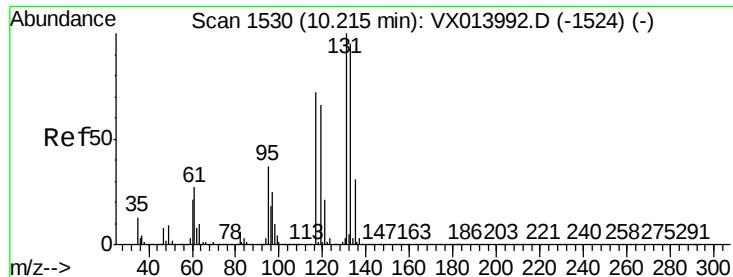
114 32.2 24.4 36.6



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#65

1,1,1,2-Tetrachloroethane

Concen: 20.548 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

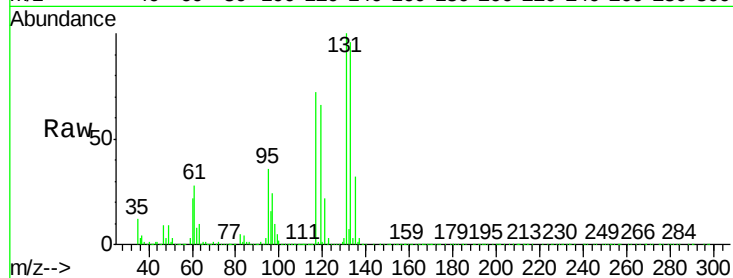
Tot Ion:131 Resp: 108119

Ion Ratio Lower Upper

131 100

133 94.1 0.0 189.8

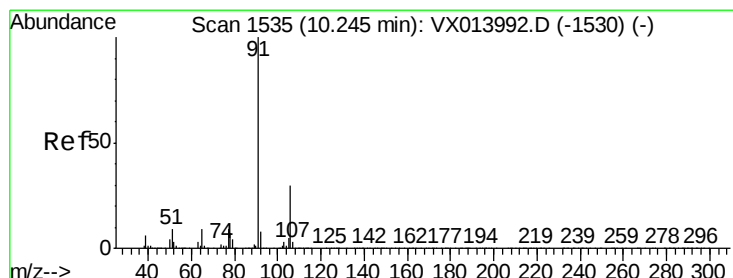
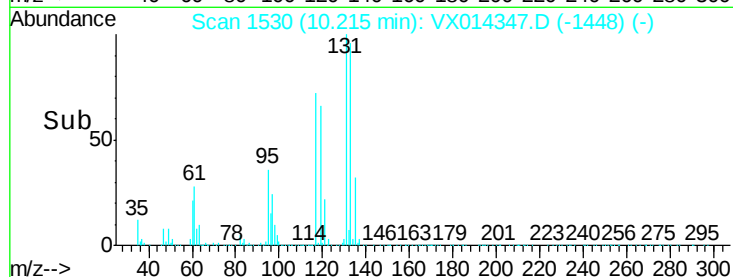
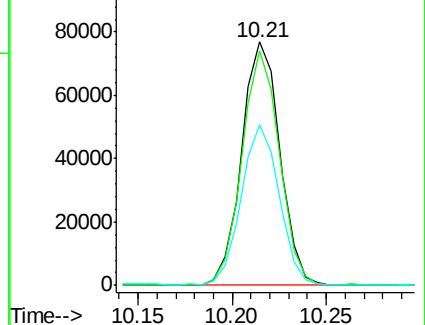
119 65.1 0.0 132.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.973 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX014347.D

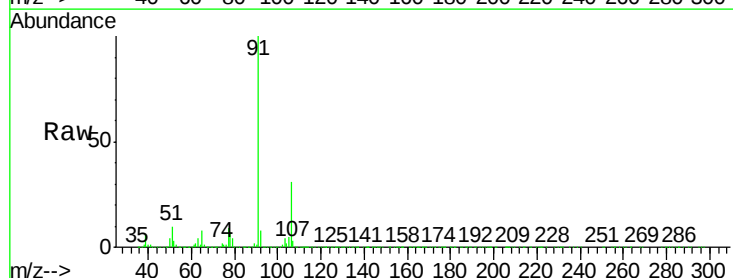
Acq: 30 Dec 2019 12:05

Tgt Ion: 91 Resp: 520597

Ion Ratio Lower Upper

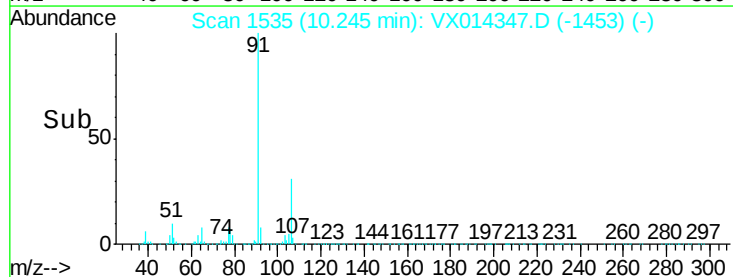
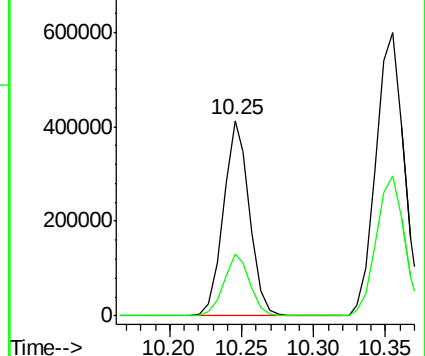
91 100

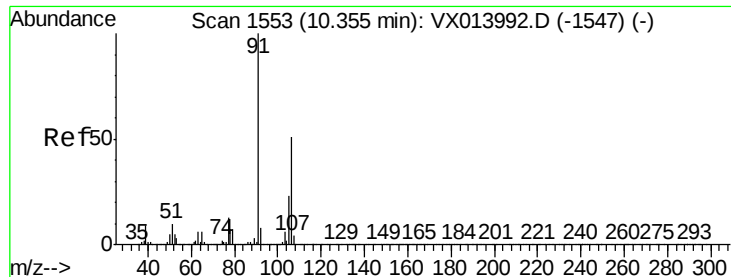
106 31.4 24.2 36.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

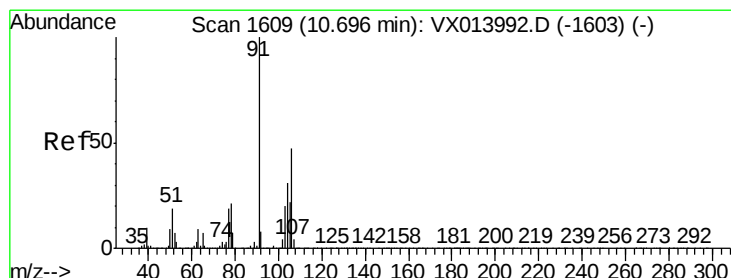
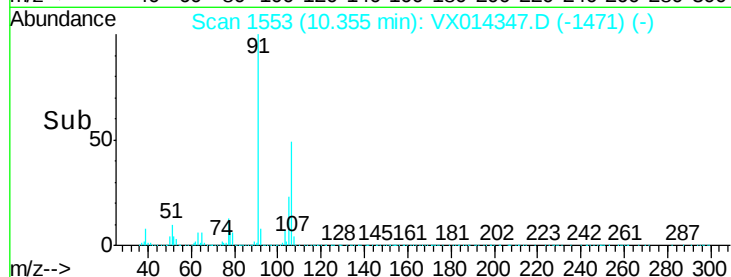
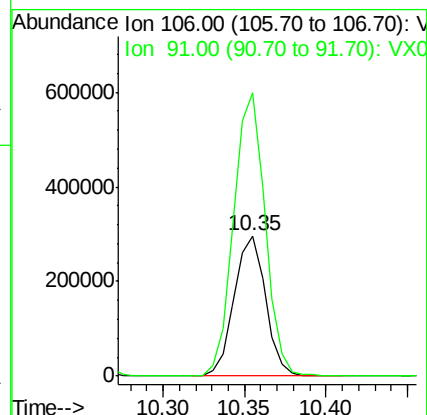
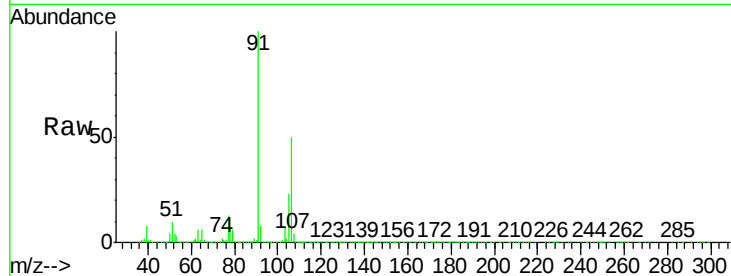




#67
m/p-Xvlenes
Concen: 41.876 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

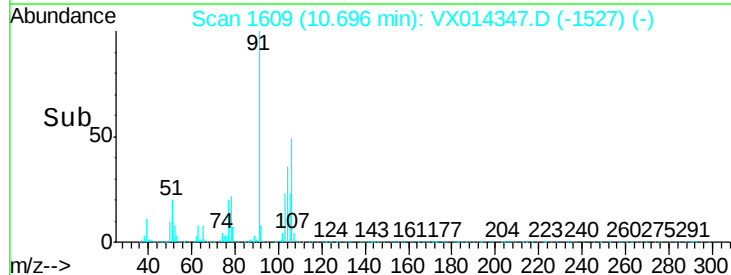
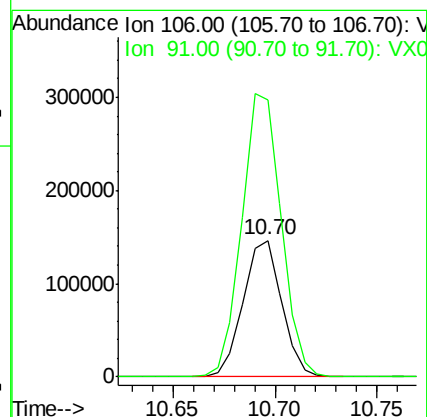
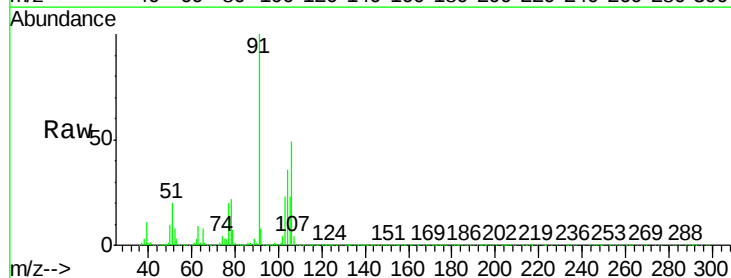
Instrument :
MSVOA_X
ClientSampleId :

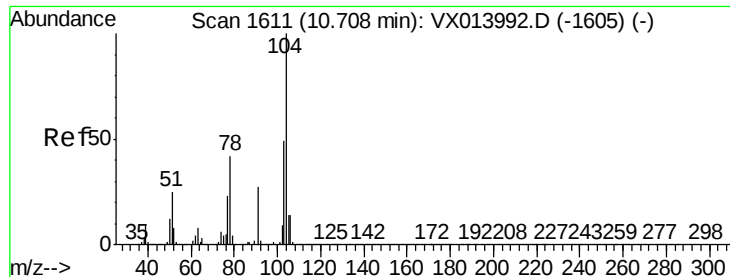
Tot Ion:106 Resp: 397350
Ion Ratio Lower Upper
106 100
91 201.4 159.3 238.9



#68
o-Xylene
Concen: 20.388 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Tgt Ion:106 Resp: 191654
Ion Ratio Lower Upper
106 100
91 212.7 104.8 314.6

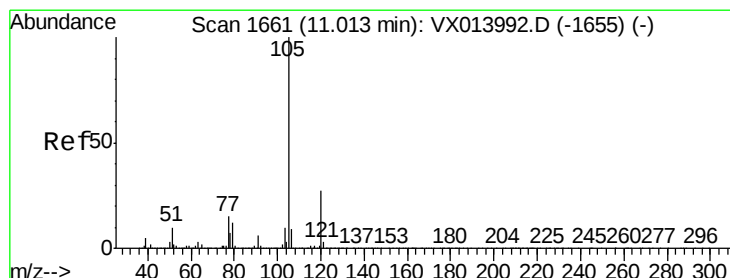
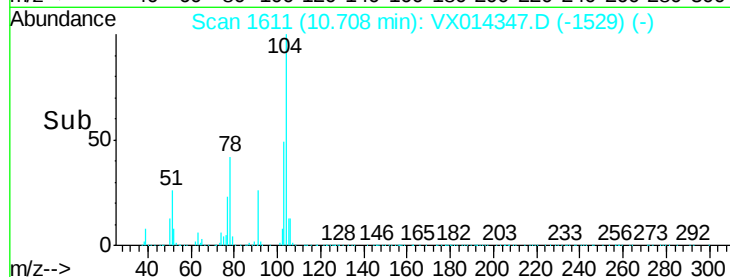
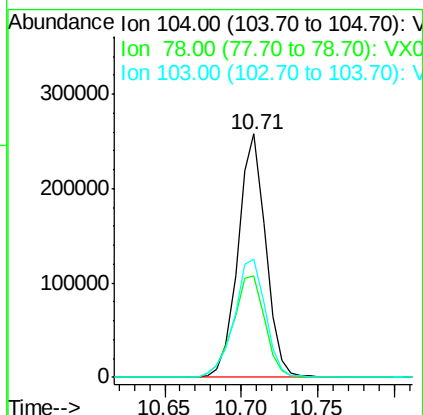
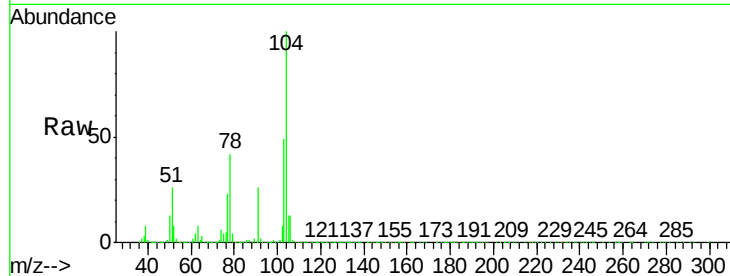




#69
Stvrene
Concen: 20.215 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

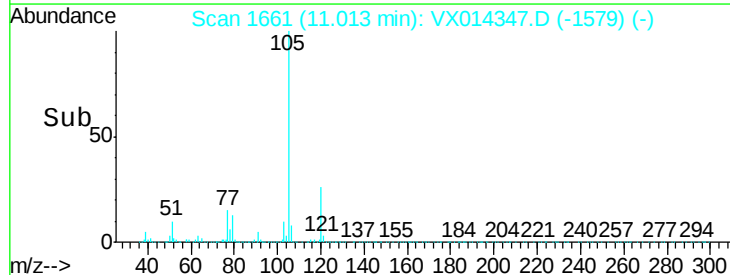
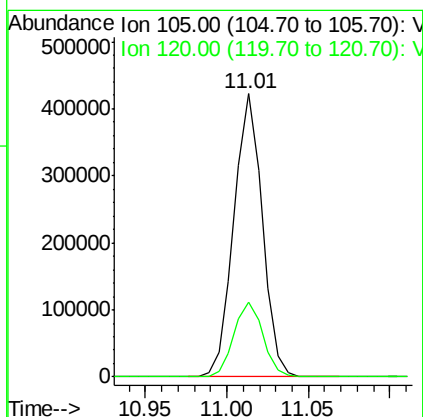
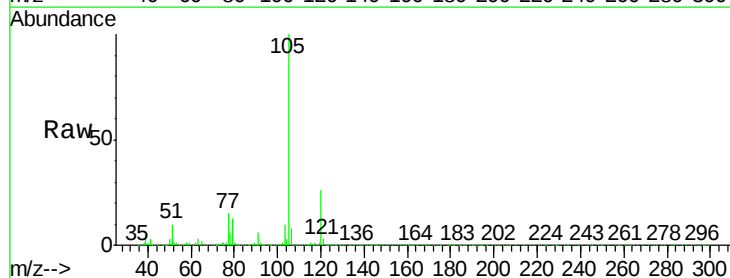
Instrument :
MSVOA_X
ClientSampleId :

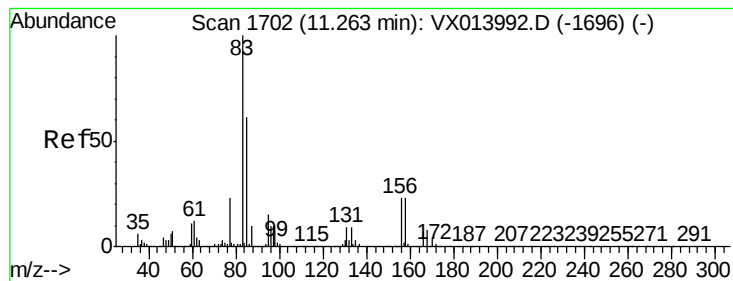
Tot Ion	Ratio	Lower	Upper
104	100		
78	48.8	38.9	58.3
103	54.7	44.2	66.2



#70
Isopropylbenzene
Concen: 21.129 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	19.1	35.5





#71

1,1,2,2-Tetrachloroethane

Concen: 19.623 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

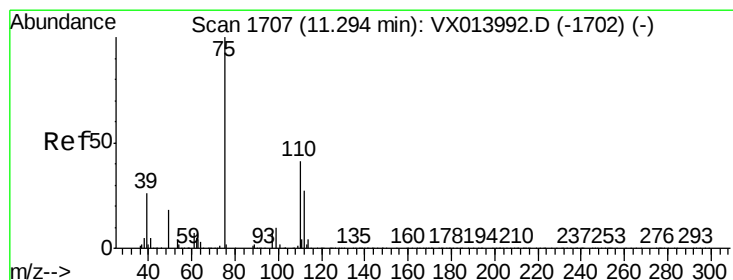
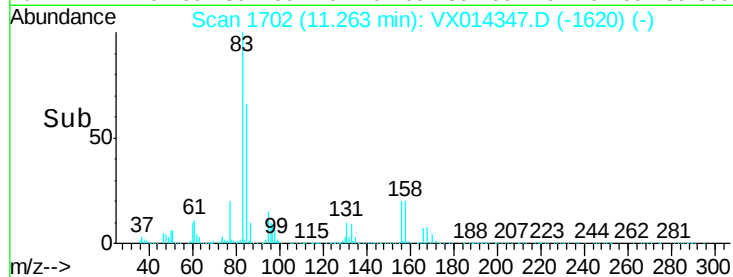
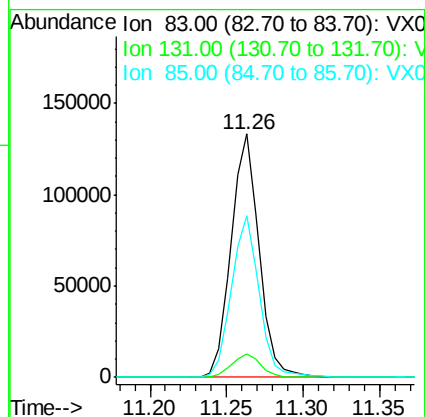
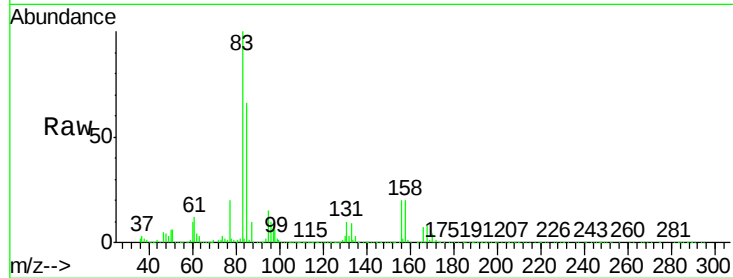
Tot Ion: 83 Resp: 169041

Ion Ratio Lower Upper

83 100

131 9.9 4.9 14.7

85 65.3 31.6 94.7



#72

1,2,3-Trichloropropane

Concen: 25.007 ug/l

RT: 11.29 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX014347.D

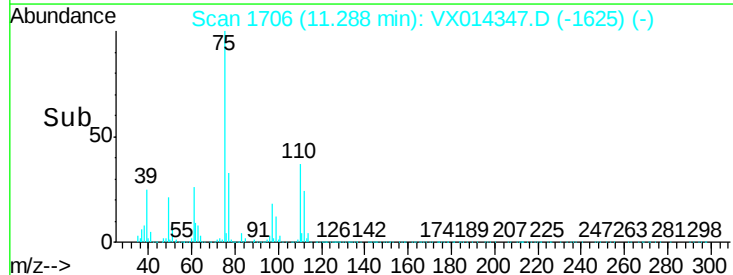
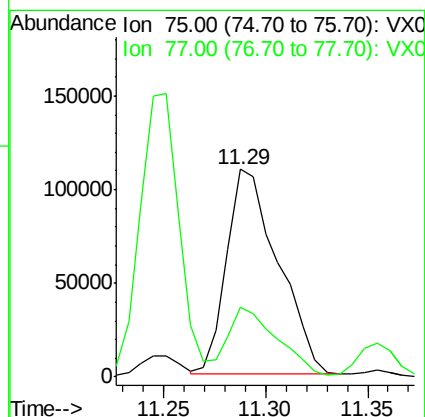
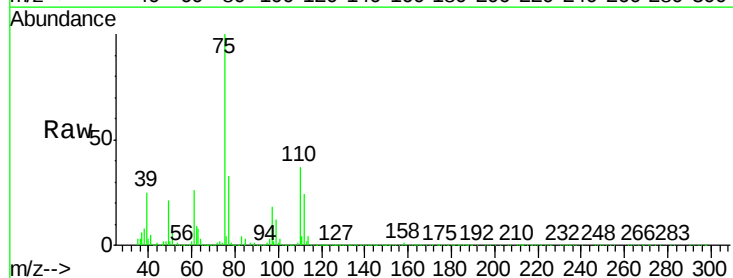
Acq: 30 Dec 2019 12:05

Tgt Ion: 75 Resp: 191752

Ion Ratio Lower Upper

75 100

77 31.1 0.0 68.4





#73

Bromobenzene

Concen: 20.332 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

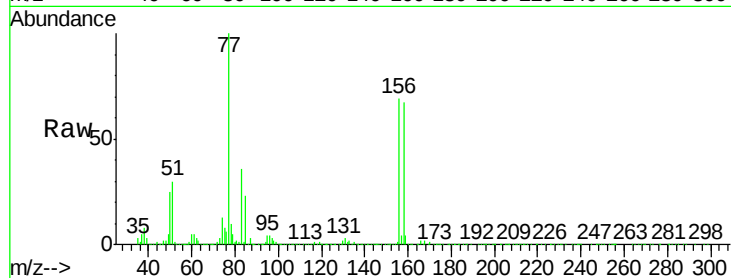
Tot Ion:156 Resp: 131846

Ion Ratio Lower Upper

156 100

77 151.5 0.0 304.6

158 98.0 0.0 195.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V

11.25

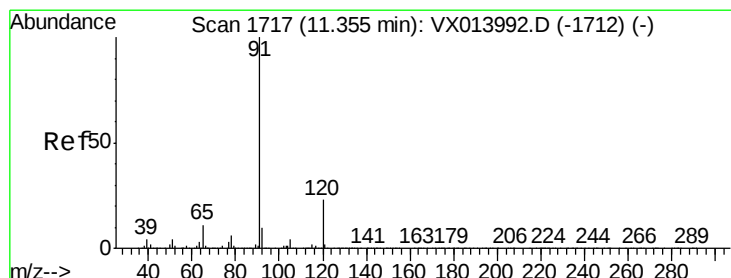
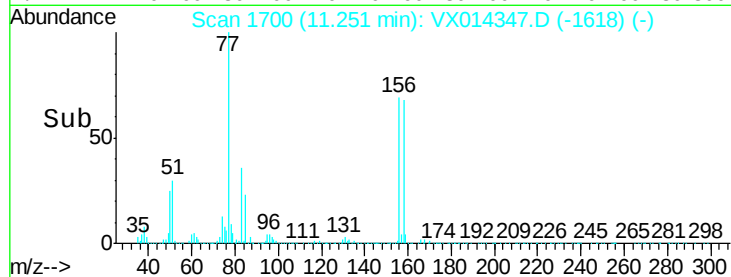
100000

50000

0

11.20 11.25 11.30

Time-->



#74

n-propylbenzene

Concen: 21.370 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX014347.D

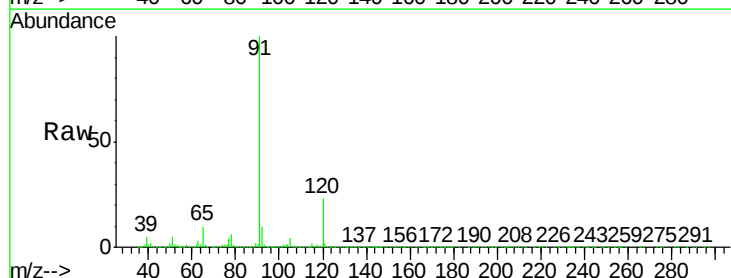
Acq: 30 Dec 2019 12:05

Tgt Ion: 91 Resp: 588796

Ion Ratio Lower Upper

91 100

120 23.1 0.0 44.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

11.35

500000

400000

300000

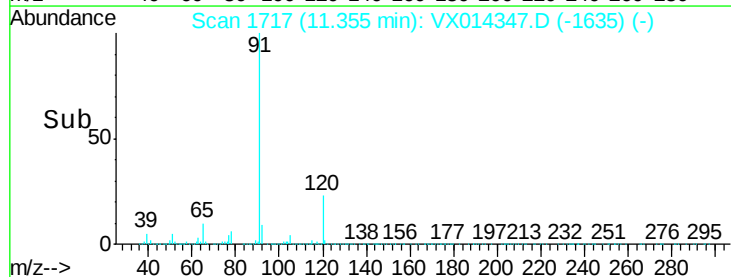
200000

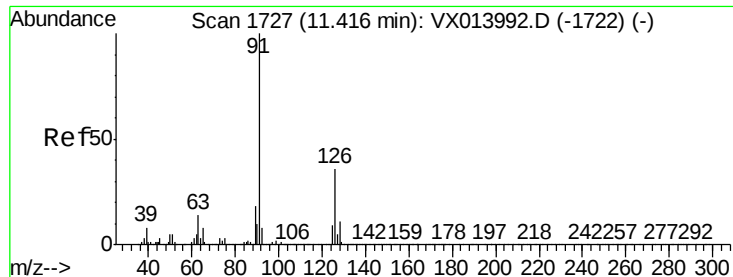
100000

0

11.30 11.35 11.40

Time-->





#75

2-Chlorotoluene

Concen: 21.012 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Instrument :

MSVOA_X

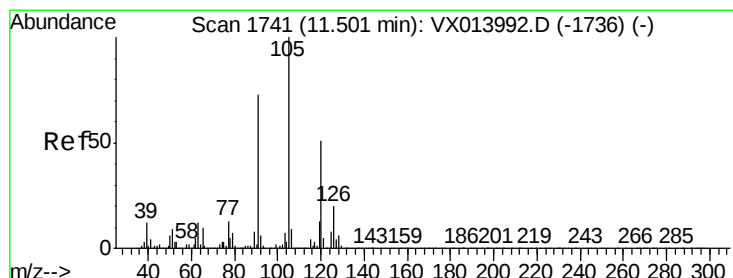
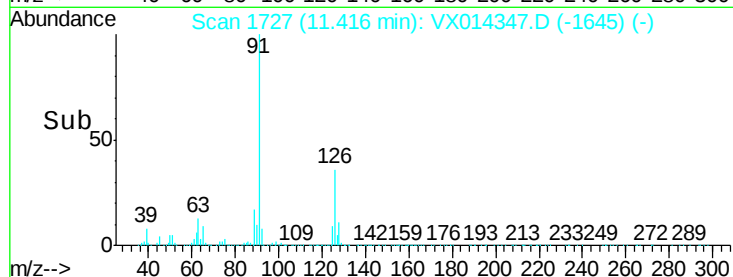
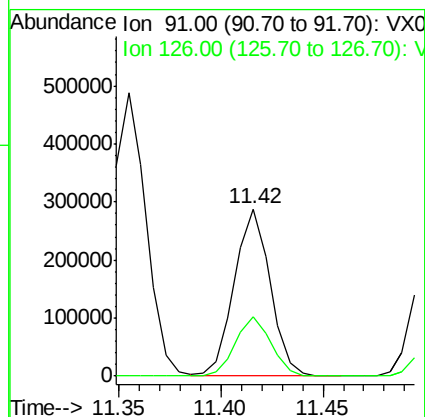
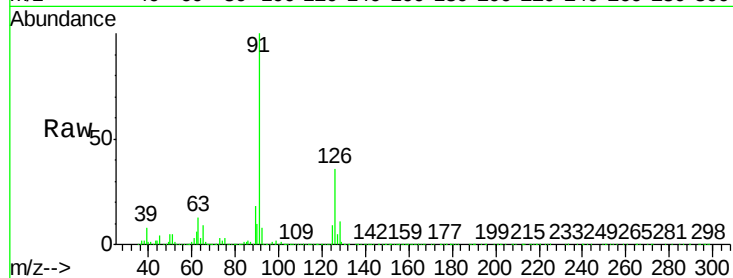
ClientSampleId :

Tot Ion: 91 Resp: 349808

Ion Ratio Lower Upper

91 100

126 35.2 0.0 70.8



#76

1,3,5-Trimethylbenzene

Concen: 20.797 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX014347.D

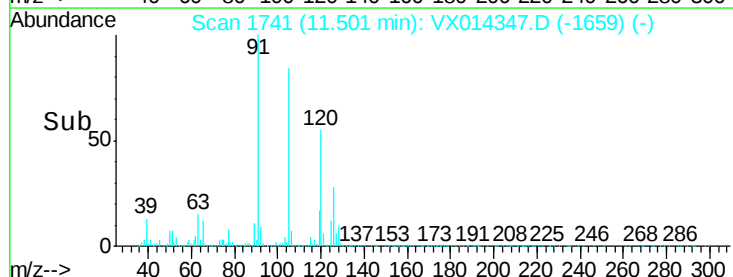
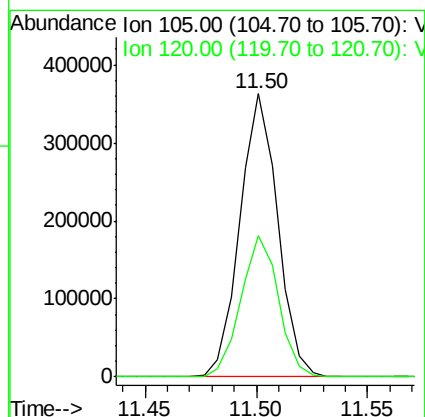
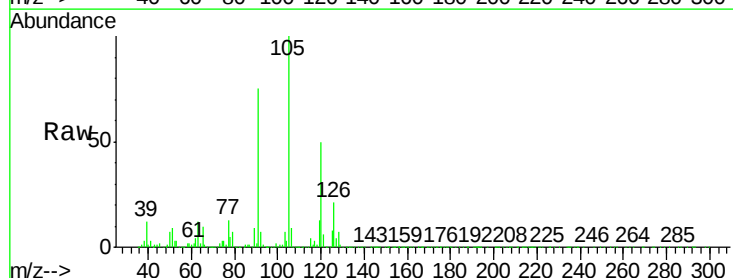
Acq: 30 Dec 2019 12:05

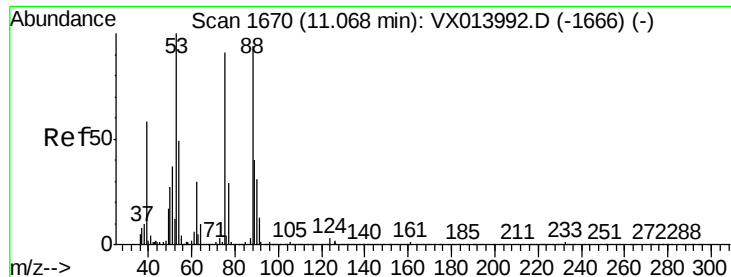
Tgt Ion: 105 Resp: 428549

Ion Ratio Lower Upper

105 100

120 50.0 0.0 100.6





#77

t-1,4-Dichloro-2-butene

Concen: 21.545 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

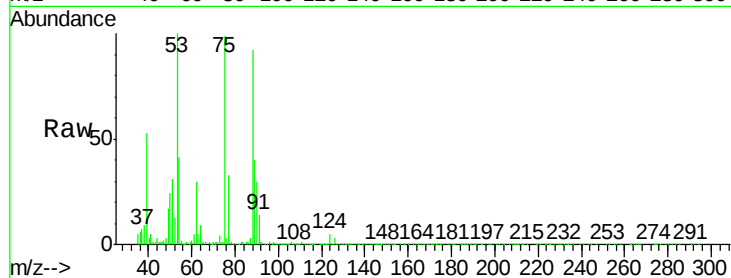
Tot Ion: 75 Resp: 54555

Ion Ratio Lower Upper

75 100

53 101.5 54.4 163.1

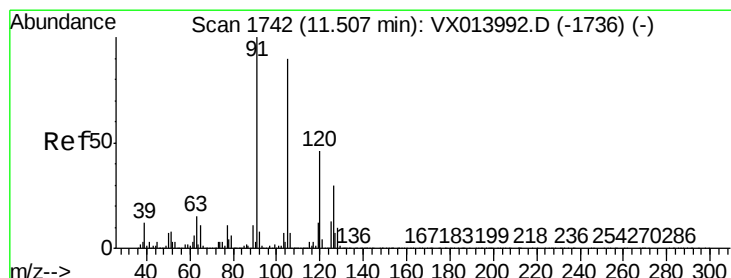
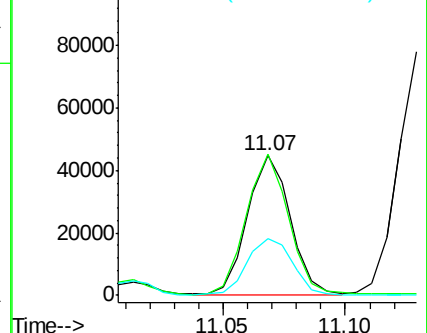
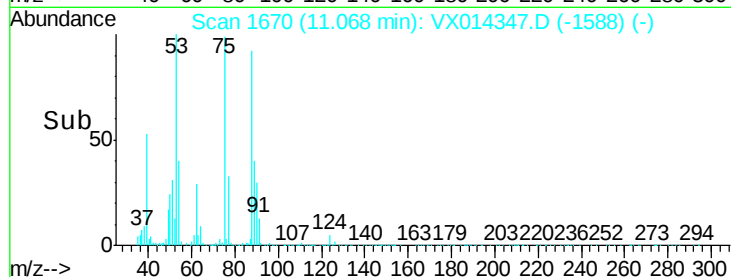
89 40.7 21.9 65.5



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 20.831 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX014347.D

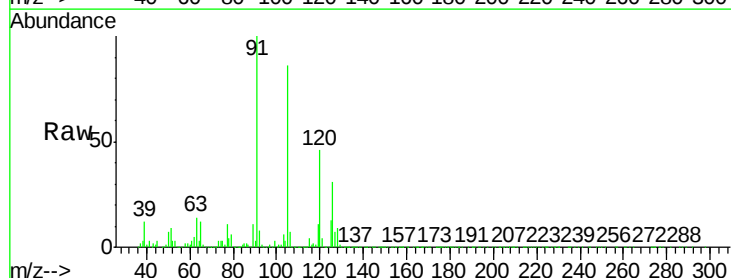
Acq: 30 Dec 2019 12:05

Tgt Ion: 91 Resp: 396269

Ion Ratio Lower Upper

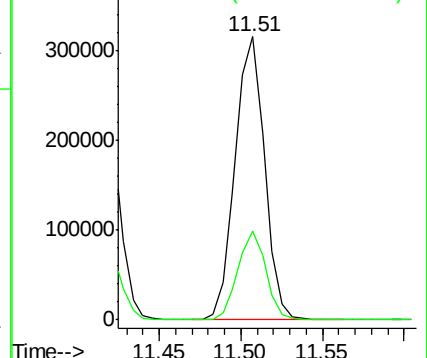
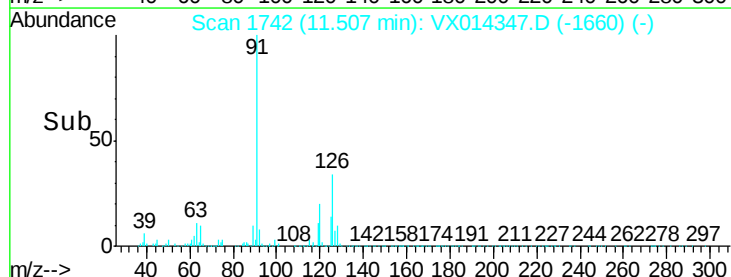
91 100

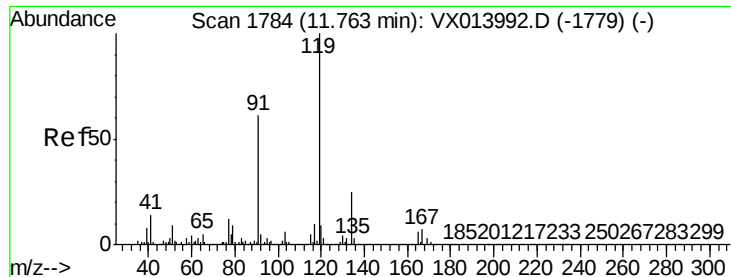
126 29.9 0.0 59.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

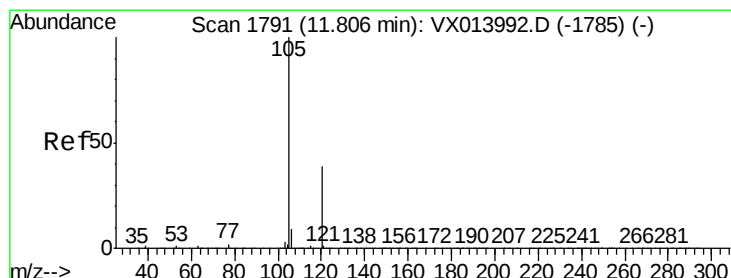
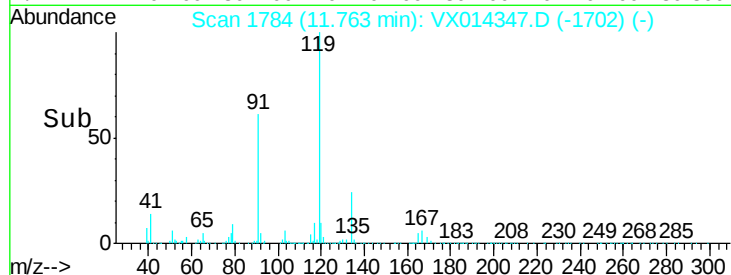
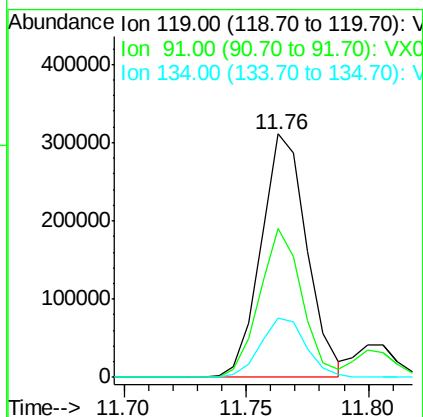
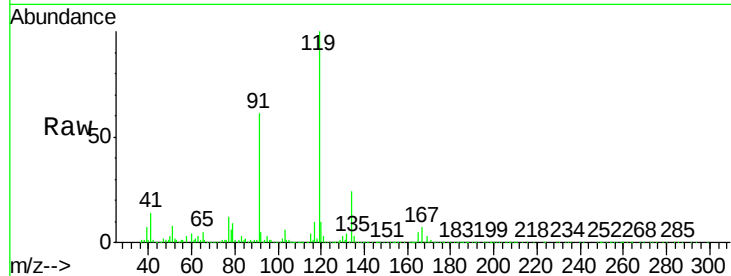




#79
tert-butylbenzene
Concen: 20.459 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

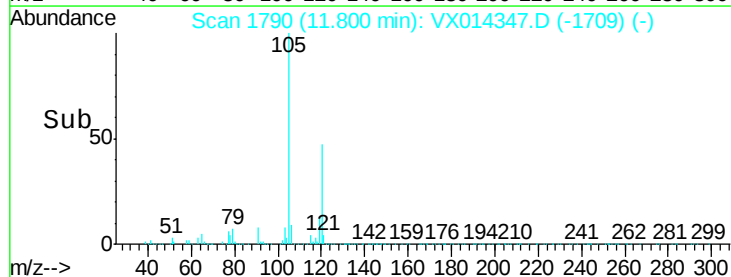
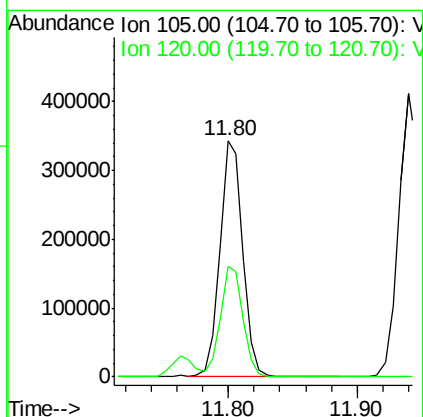
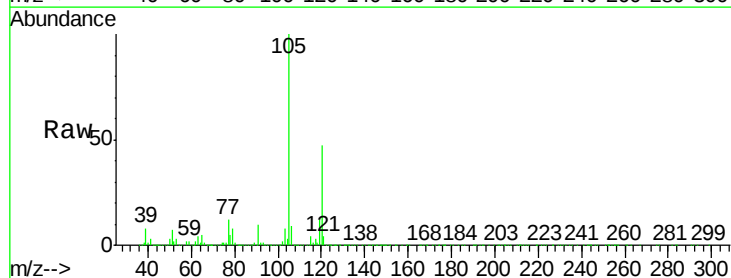
Instrument :
MSVOA_X
ClientSampleId :

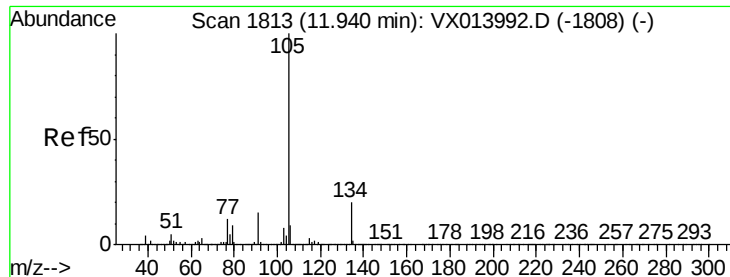
Tot Ion	Ratio	Lower	Upper
119	100		
91	57.1	0.0	112.6
134	24.3	0.0	49.8



#80
1,2,4-Trimethylbenzene
Concen: 20.712 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	0.0	92.0





#81

sec-Butylbenzene

Concen: 20.987 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Instrument :

MSVOA_X

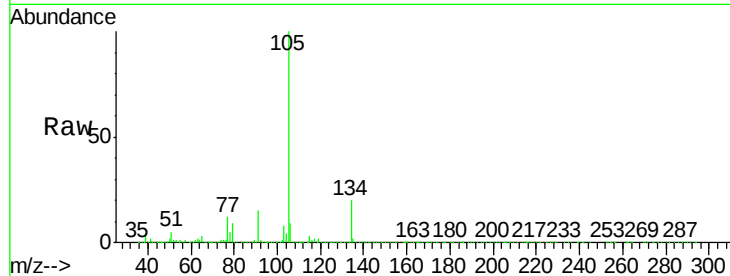
ClientSampleId :

Tot Ion:105 Resp: 495825

Ion Ratio Lower Upper

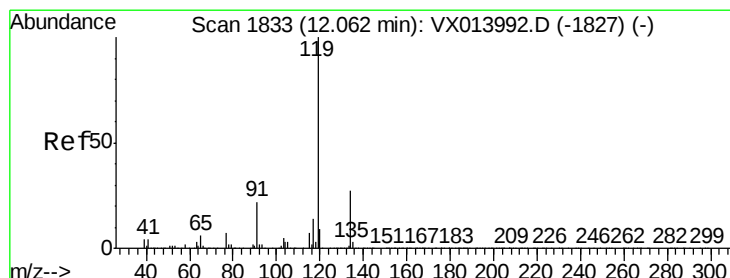
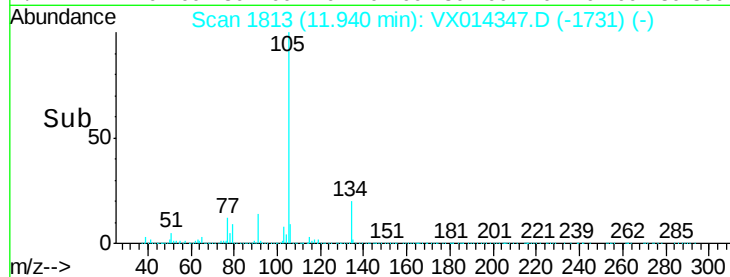
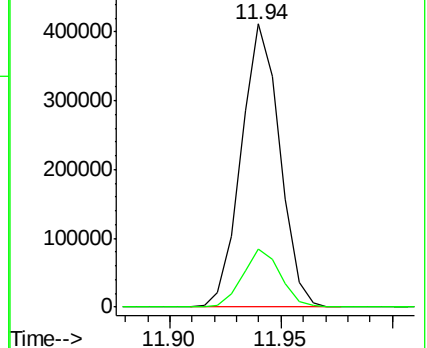
105 100

134 20.0 0.0 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 21.002 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

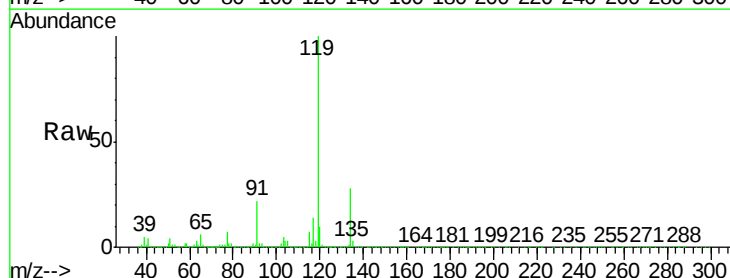
Tgt Ion:119 Resp: 447767

Ion Ratio Lower Upper

119 100

134 27.2 0.0 53.8

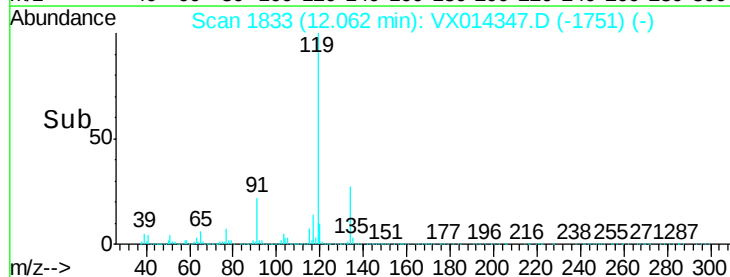
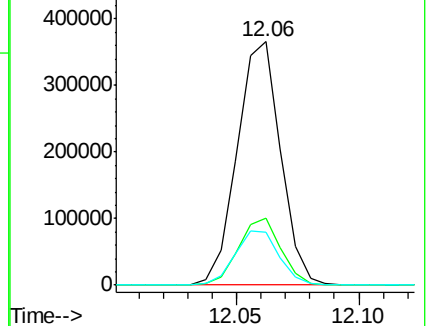
91 22.7 0.0 45.0

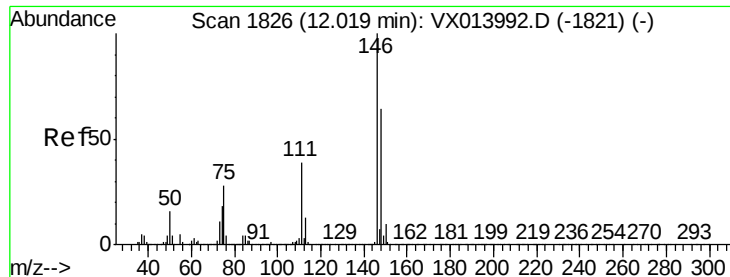


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#83

1,3-Dichlorobenzene

Concen: 20.462 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

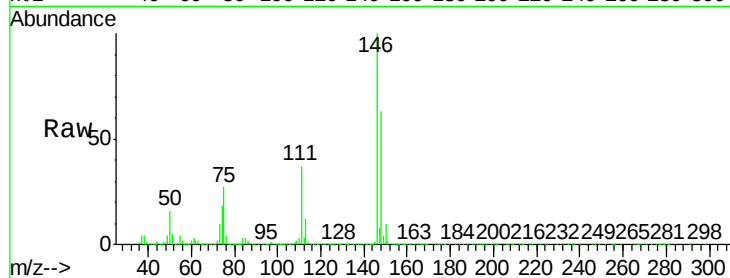
Tot Ion:146 Resp: 231274

Ion Ratio Lower Upper

146 100

111 38.1 19.3 57.9

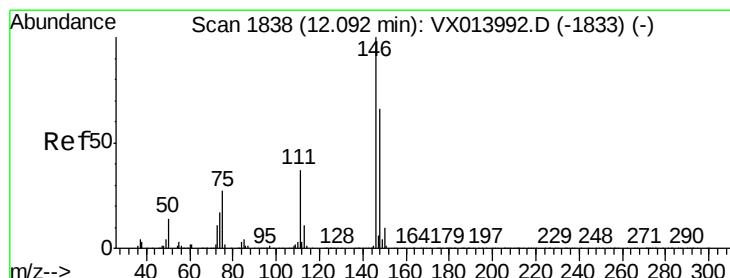
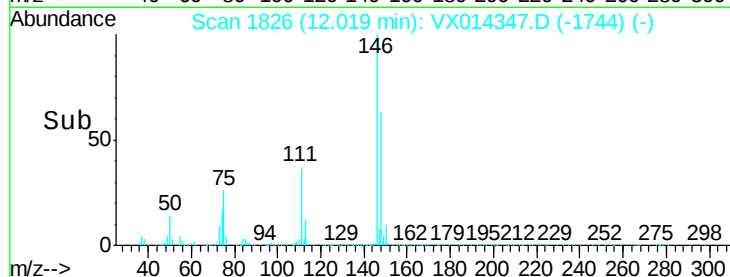
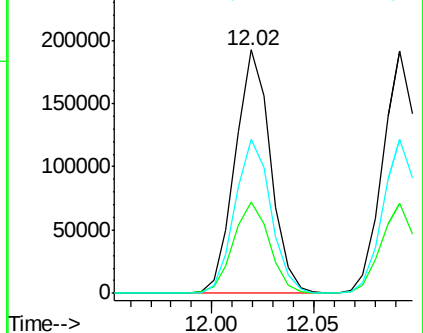
148 63.9 32.2 96.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 20.352 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

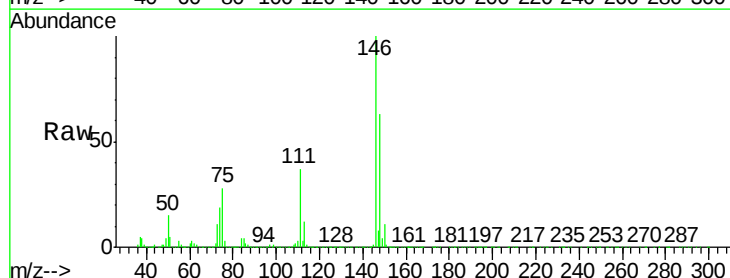
Tgt Ion:146 Resp: 229057

Ion Ratio Lower Upper

146 100

111 36.7 18.4 55.4

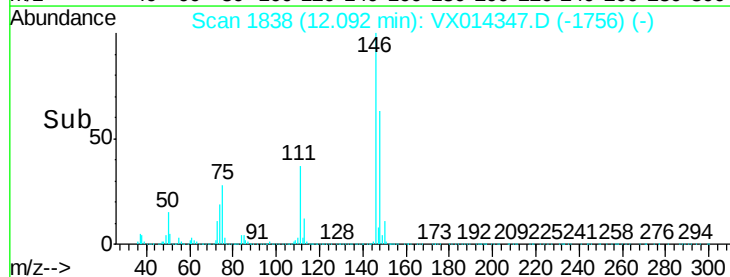
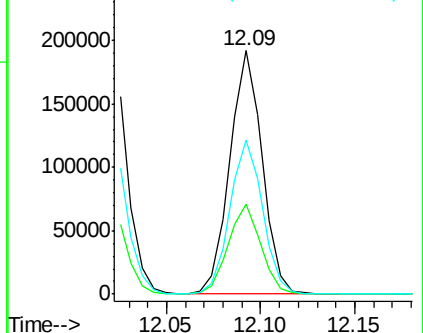
148 63.6 32.0 96.0

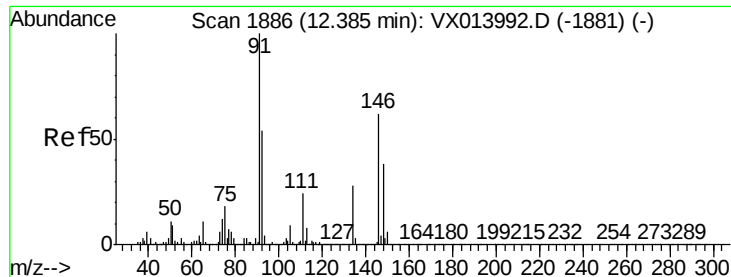


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

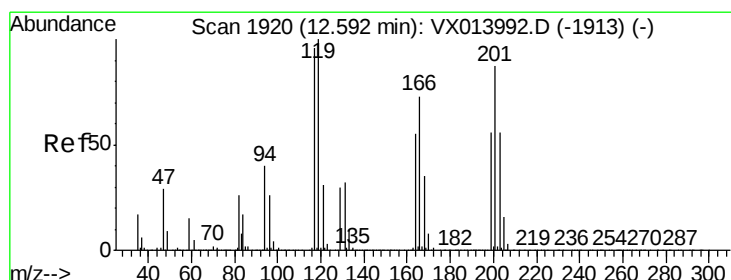
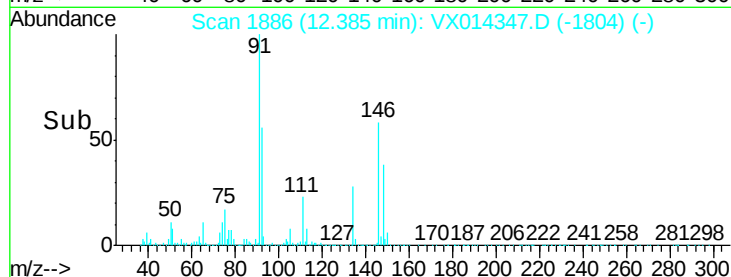
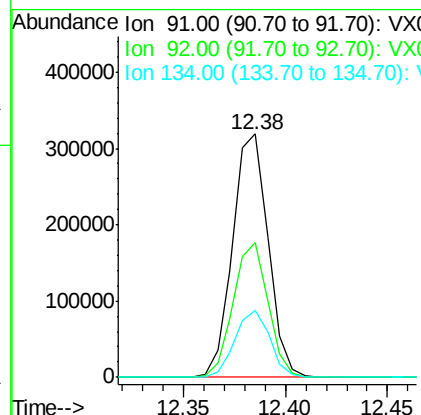
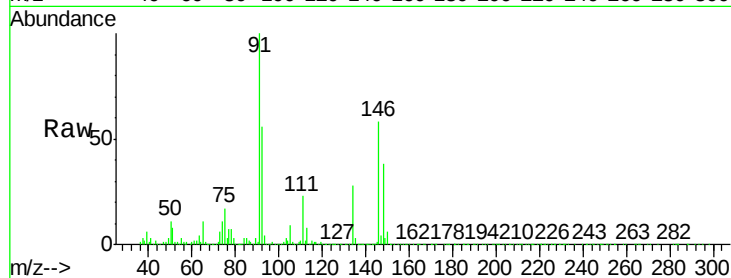




#85
n-Butylbenzene
Concen: 21.379 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

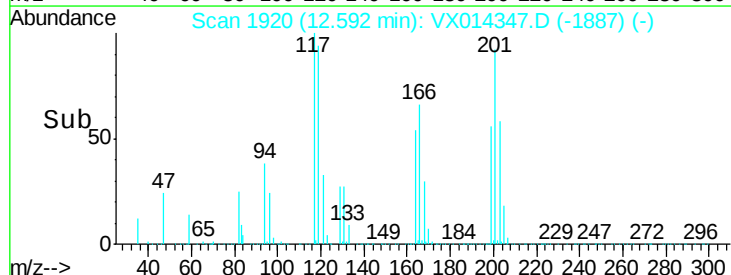
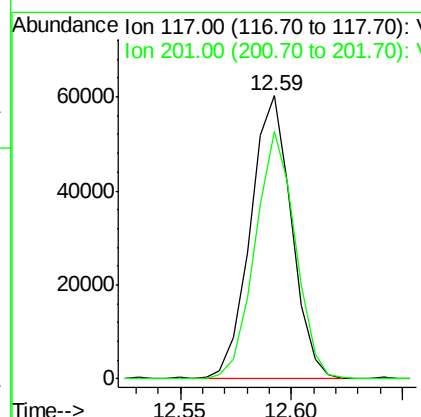
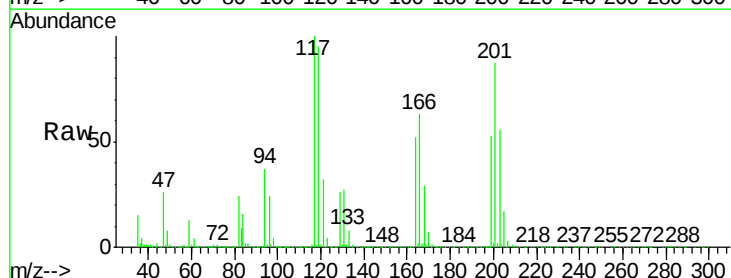
Instrument :
MSVOA_X
ClientSampleId :

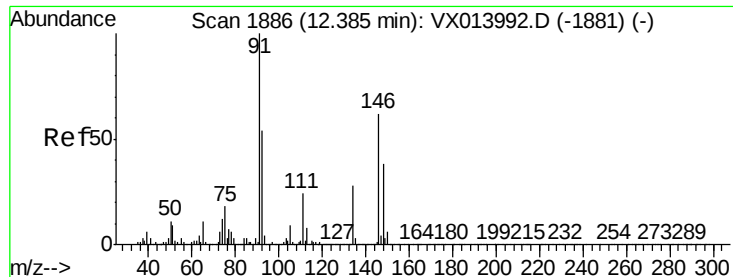
Tot Ion: 91 Resp: 383225
Ion Ratio Lower Upper
91 100
92 54.1 0.0 109.0
134 27.0 0.0 54.0



#86
Hexachloroethane
Concen: 19.964 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Tgt Ion: 117 Resp: 77216
Ion Ratio Lower Upper
117 100
201 85.9 44.8 134.3

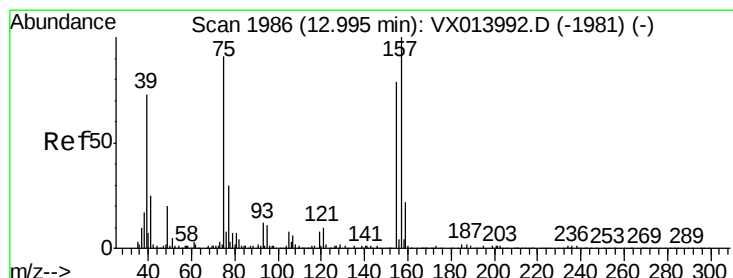
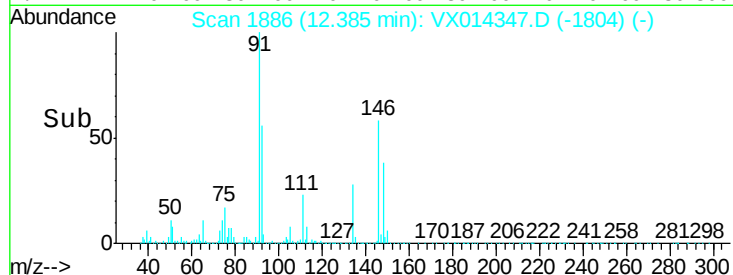
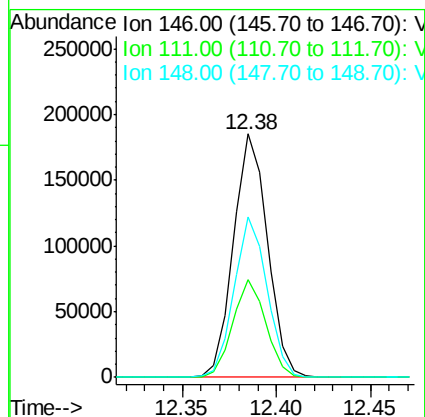
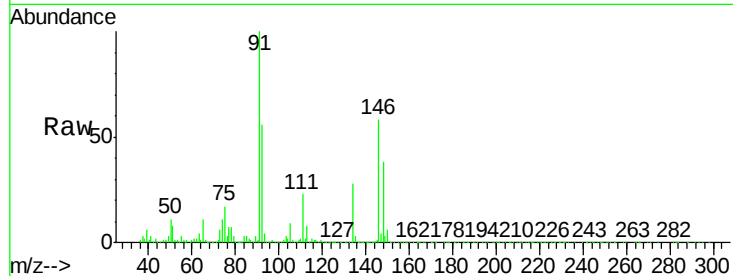




#87
 1,2-Dichlorobenzene
 Concen: 20.251 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX014347.D
 Acq: 30 Dec 2019 12:05

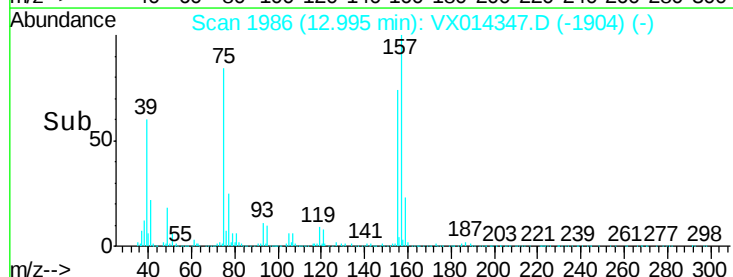
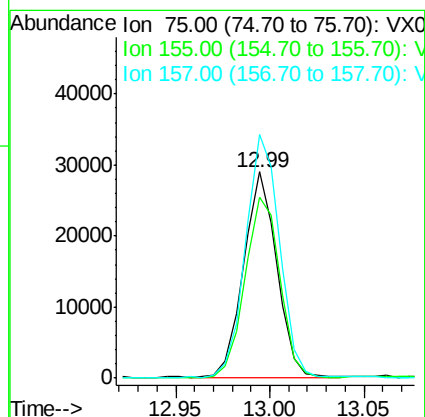
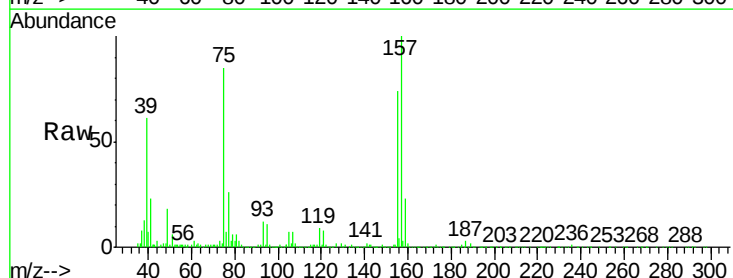
Instrument :
 MSVOA_X
 ClientSampleId :

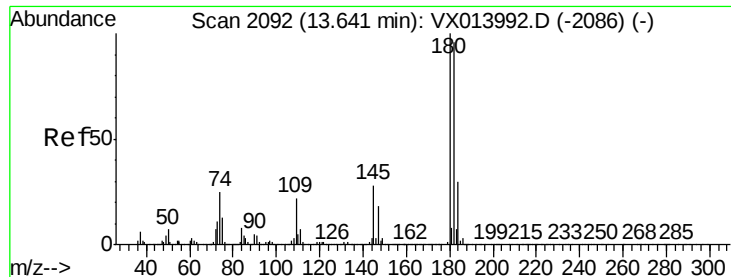
Tot Ion:146 Resp: 232491
 Ion Ratio Lower Upper
 146 100
 111 38.8 20.1 60.2
 148 63.8 32.0 96.2



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.548 ug/l
 RT: 12.99 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX014347.D
 Acq: 30 Dec 2019 12:05

Tgt Ion: 75 Resp: 35282
 Ion Ratio Lower Upper
 75 100
 155 92.8 73.8 110.6
 157 120.9 95.0 142.4





#89

1,2,4-Trichlorobenzene

Concen: 20.406 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

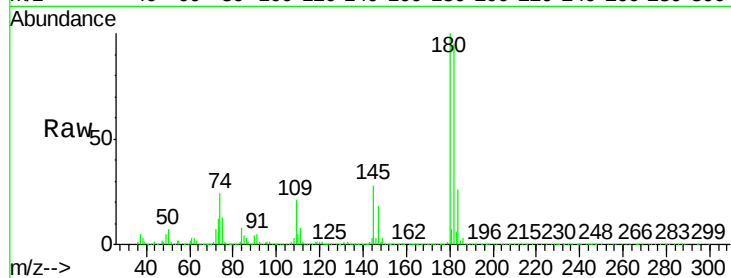
Tot Ion:180 Resp: 149725

Ion Ratio Lower Upper

180 100

182 95.2 76.4 114.6

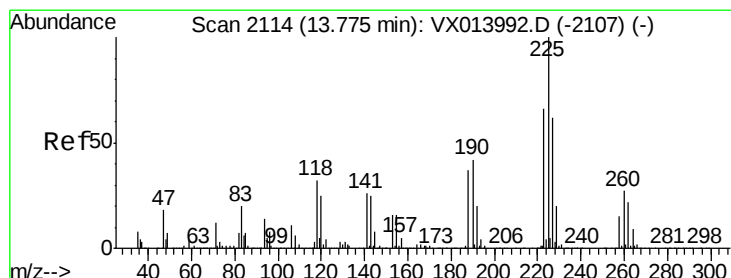
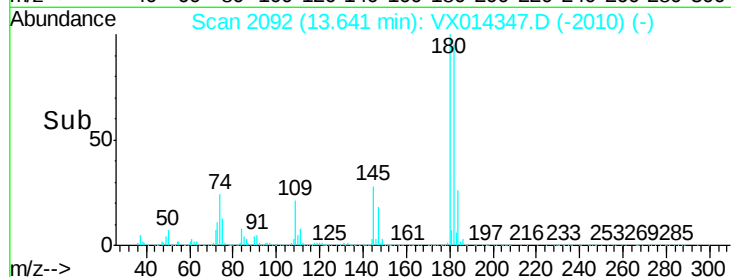
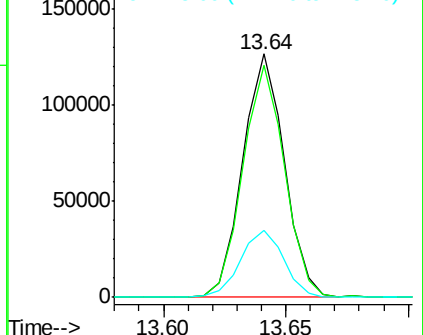
145 28.4 21.9 32.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90

Hexachlorobutadiene

Concen: 21.325 ug/l

RT: 13.77 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

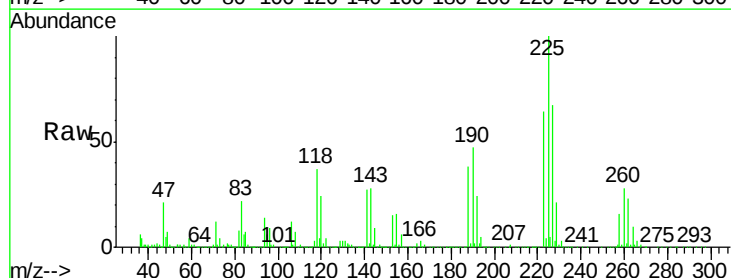
Tgt Ion:225 Resp: 74375

Ion Ratio Lower Upper

225 100

223 62.5 0.0 127.4

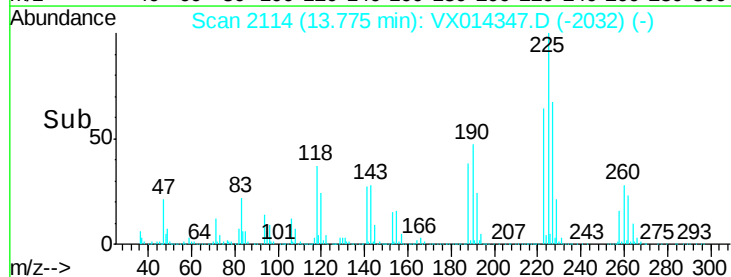
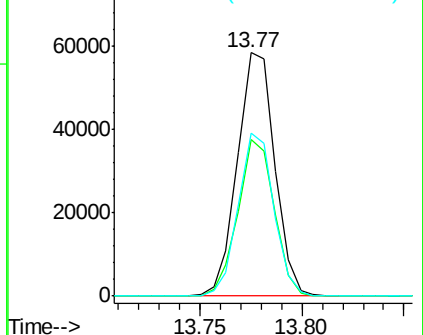
227 63.4 0.0 122.8

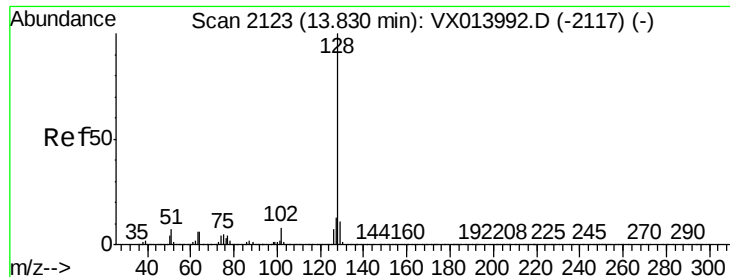


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

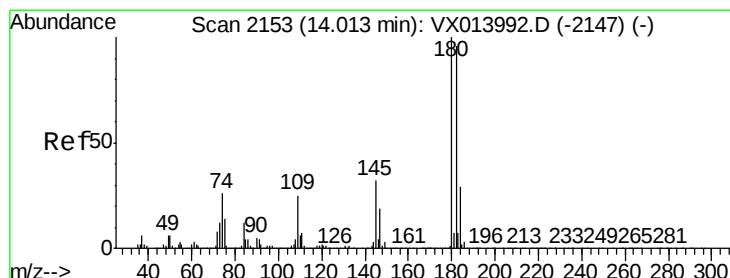
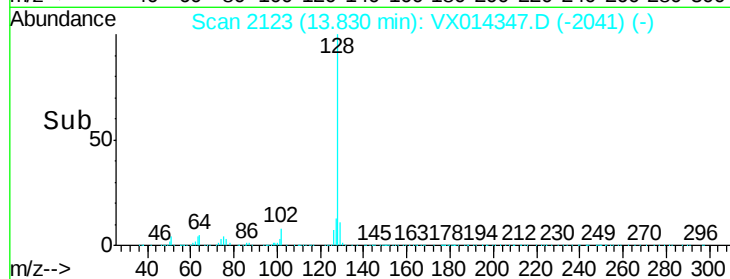
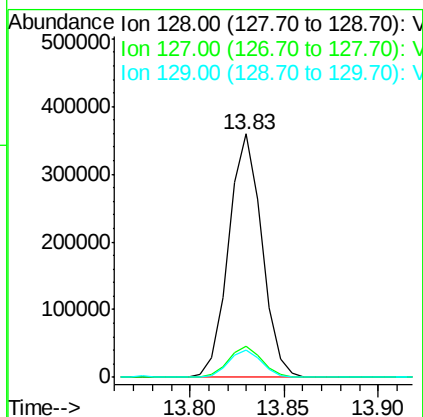
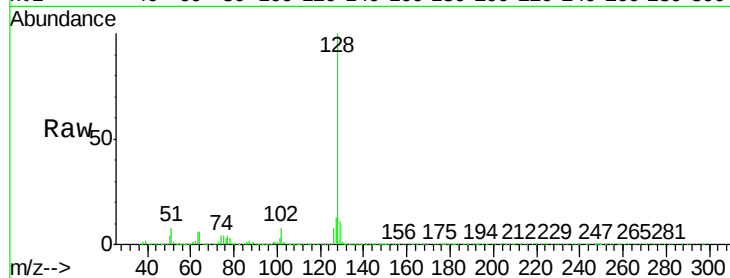




#91
Naphthalene
Concen: 19.908 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	11.1	8.9	13.3



#92
1,2,3-Trichlorobenzene
Concen: 19.975 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	0.0	192.8
145	30.6	0.0	60.0

