

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101619\
 Data File : VX013095.D
 Acq On : 16 Oct 2019 14:49
 Operator : JC/SP
 Sample : 2.5PPB LOD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 17 03:11:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X101619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 17 03:05:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	30162	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	173937	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	153249	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	68772	29.73	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.10%
60) 4-Bromofluorobenzene	11.13	95	75035	27.97	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.23%
63) Toluene-d8	8.71	98	209761	30.00	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	5092	2.504	ug/l 99
3) Chloromethane	1.32	50	5188	2.599	ug/l 89
4) Vinyl Chloride	1.40	62	5198	2.611	ug/l 98
5) Bromomethane	1.63	94	3822	4.108	ug/l 89
6) Chloroethane	1.72	64	3798	3.103	ug/l 99
7) Trichlorofluoromethane	1.92	101	7416	2.535	ug/l 100
8) Diethyl Ether	2.17	74	2882	2.677	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	4811	2.609	ug/l 96
10) 1,1-Dichloroethene	2.36	96	4577	2.523	ug/l 93
11) Methyl Iodide	2.50	142	3731	1.682	ug/l 93
12) Methyl Acetate	2.76	43	6536	2.576	ug/l 97
13) Acrolein	2.28	56	3989	10.927	ug/l 99
14) Acrylonitrile	3.13	53	13483	12.733	ug/l 98
15) Acetone	2.43	58	4366	11.647	ug/l 98
16) Carbon Disulfide	2.56	76	13281	2.707	ug/l # 95
17) Allyl chloride	2.72	41	7381	2.397	ug/l 89
18) Methylene Chloride	2.85	84	5603	2.715	ug/l 92
19) trans-1,2-Dichloroethene	3.16	96	5162	2.657	ug/l 89
20) Diisopropyl ether	3.84	45	14915	2.525	ug/l # 92
21) 1,1-Dichloroethane	3.69	63	8466	2.485	ug/l 95
22) cis-1,2-Dichloroethene	4.59	96	5556	2.489	ug/l 96
23) tert-Butyl Alcohol	3.03	59	10135	18.944	ug/l # 100
24) Methyl tert-Butyl Ether	3.18	73	15414	2.493	ug/l 97
25) Chloroform	5.19	83	9273	2.633	ug/l 84
26) Cyclohexane	5.56	56	7703	2.489	ug/l # 96
29) 1,1-Dichloropropene	5.78	75	6428	2.423	ug/l 88
30) 2-Butanone	4.66	43	18506	11.842	ug/l # 79
31) 2,2-Dichloropropane	4.57	77	7128	2.375	ug/l 91
32) 1,1,1-Trichloroethane	5.48	97	7612	2.453	ug/l 99
33) Carbon Tetrachloride	5.77	117	4196	1.576	ug/l 98
34) Benzene	6.13	78	20442	2.595	ug/l 96
35) Methacrylonitrile	5.02	41	1945	1.269	ug/l 91
36) 1,2-Dichloroethane	6.19	62	7555	2.653	ug/l 98
37) Trichloroethene	7.21	130	5098	2.423	ug/l 89
38) Methylcyclohexane	7.45	83	7701	2.372	ug/l 95
39) 1,2-Dichloropropane	7.51	63	4698	2.375	ug/l # 87
40) Dibromomethane	7.65	93	3516	2.617	ug/l 91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.89	83	6005	2.251	ug/l	87
42) Vinyl Acetate	3.80	43	60308	11.784	ug/l	100
43) Ethyl Acetate	4.83	43	5798	2.062	ug/l #	90
44) Isopropyl Acetate	6.43	43	10821	2.386	ug/l	98
45) 1,4-Dioxane	7.74	88	2704	48.510	ug/l #	83
46) Methyl methacrylate	7.76	41	5345	2.411	ug/l	89
47) n-amyl Acetate	10.89	43	8307	2.151	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	6143	2.081	ug/l	100
49) cis-1,3-Dichloropropene	8.43	75	6637	2.038	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	4752	2.344	ug/l	97
51) Ethyl methacrylate	9.17	69	7020	2.202	ug/l	92
52) 1,3-Dichloropropane	9.37	76	8105	2.382	ug/l	95
53) Dibromochloromethane	9.58	129	4127	1.982	ug/l	92
54) 1,2-Dibromoethane	9.67	107	5158	2.419	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	16054	11.445	ug/l	98
56) Bromoform	10.86	173	2733	1.887	ug/l #	95
58) 4-Methyl-2-Pentanone	8.64	43	32935	11.811	ug/l	99
59) 2-Hexanone	9.49	43	24537	11.276	ug/l	99
61) Tetrachloroethene	9.33	164	5109	2.617	ug/l #	88
62) Toluene	8.78	91	21280	2.555	ug/l	99
64) Chlorobenzene	10.14	112	13218	2.497	ug/l	94
65) 1,1,1,2-Tetrachloroethane	10.21	131	4519	2.325	ug/l	98
66) Ethyl Benzene	10.25	91	23174	2.438	ug/l	99
67) m/p-Xylenes	10.36	106	17751	4.964	ug/l	97
68) o-Xylene	10.70	106	8503	2.442	ug/l	93
69) Styrene	10.71	104	13584	2.266	ug/l	100
70) Isopropylbenzene	11.01	105	21357	2.296	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	7007	2.315	ug/l	95
72) 1,2,3-Trichloropropane	11.29	75	8049	3.198	ug/l	85
73) Bromobenzene	11.25	156	5776	2.604	ug/l	92
74) n-propylbenzene	11.35	91	24028	2.313	ug/l	100
75) 2-Chlorotoluene	11.42	91	14956	2.350	ug/l	99
76) 1,3,5-Trimethylbenzene	11.50	105	17983	2.272	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	1699	1.744	ug/l	83
78) 4-Chlorotoluene	11.51	91	17458	2.372	ug/l	94
79) tert-butylbenzene	11.76	119	17061	2.291	ug/l	97
80) 1,2,4-Trimethylbenzene	11.81	105	17546	2.223	ug/l	95
81) sec-Butylbenzene	11.94	105	19637	2.189	ug/l	100
82) p-Isopropyltoluene	12.06	119	17924	2.192	ug/l	100
83) 1,3-Dichlorobenzene	12.03	146	9534	2.371	ug/l	97
84) 1,4-Dichlorobenzene	12.09	146	9973	2.466	ug/l	98
85) n-Butylbenzene	12.39	91	13637	1.953	ug/l	94
86) Hexachloroethane	12.59	117	2766	1.952	ug/l	94
87) 1,2-Dichlorobenzene	12.39	146	9535	2.404	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	1550	2.230	ug/l	94
89) 1,2,4-Trichlorobenzene	13.64	180	5630	2.275	ug/l	99
90) Hexachlorobutadiene	13.78	225	2838	2.417	ug/l	95
91) Naphthalene	13.83	128	16876	2.005	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	5619	2.267	ug/l	94

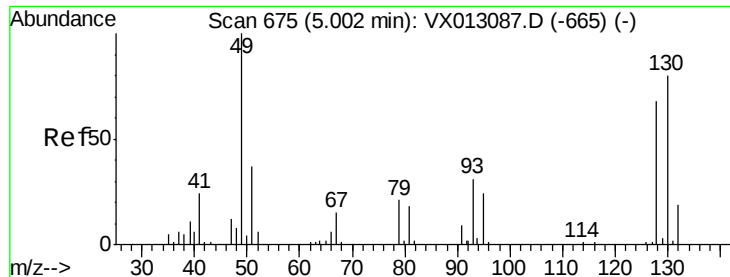
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :
MSVOA_X
ClientSampleId :

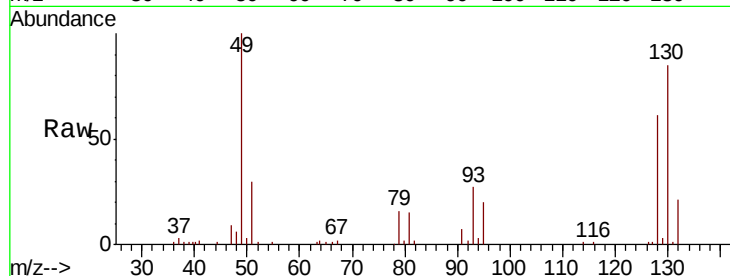
Tot Ion:128 Resp: 30162

Ion Ratio Lower Upper

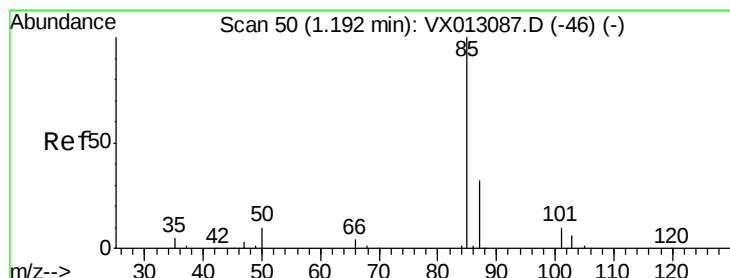
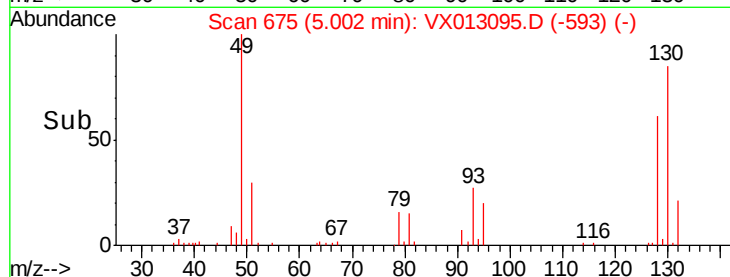
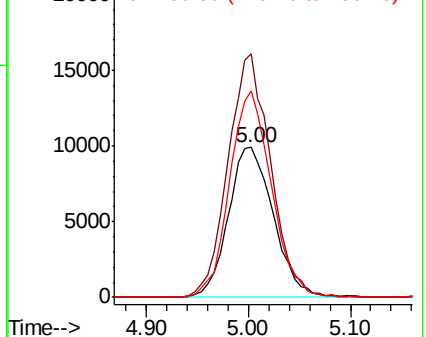
128 100

49 154.1 0.0 382.3

130 128.4 0.0 321.8



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: 2.504 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX013095.D

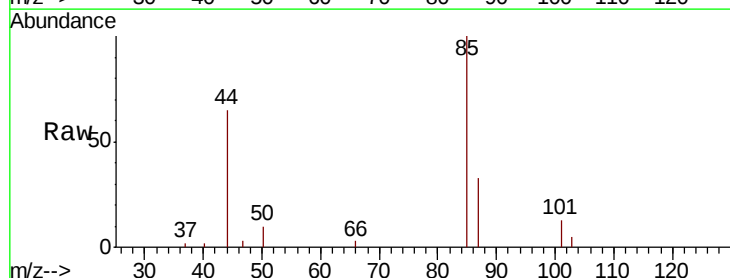
Acq: 16 Oct 2019 14:49

Tgt Ion: 85 Resp: 5092

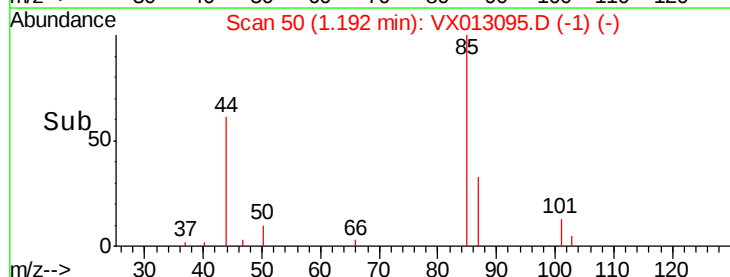
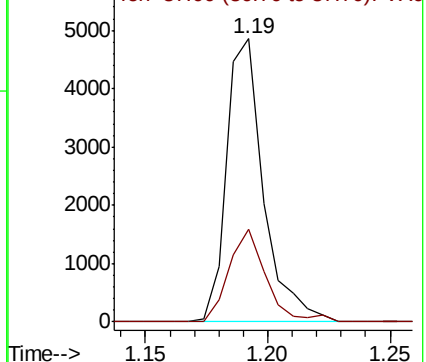
Ion Ratio Lower Upper

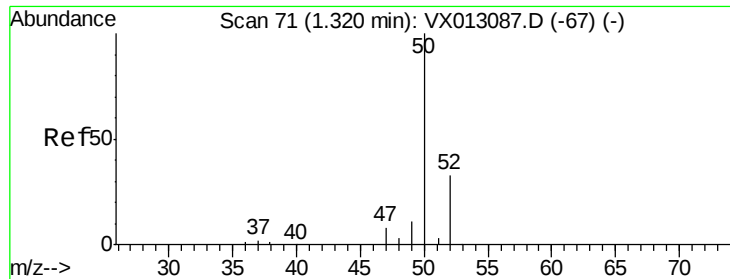
85 100

87 32.8 16.2 48.5



Abundance Ion 85.00 (84.70 to 85.70): VX0
Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 2.599 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

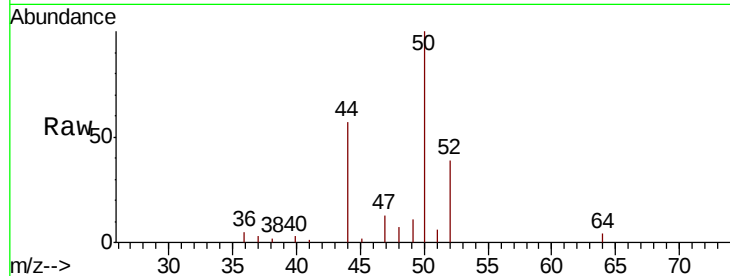
ClientSampled :

Tot Ion: 50 Resp: 5188

Ion Ratio Lower Upper

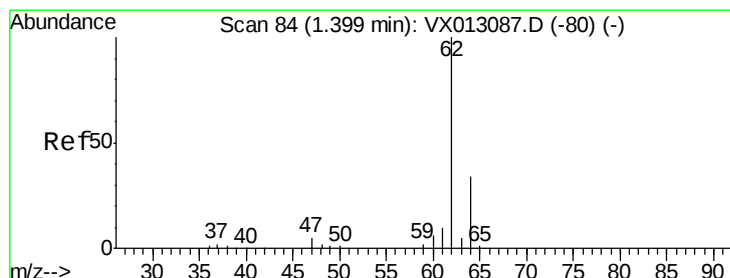
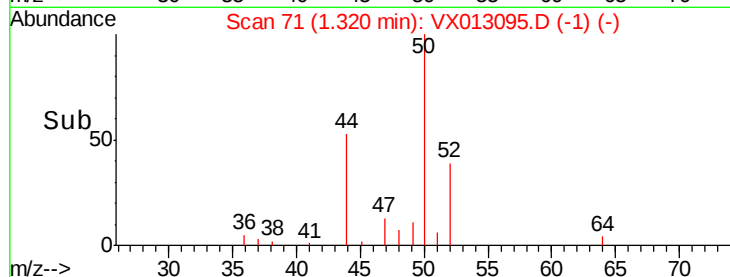
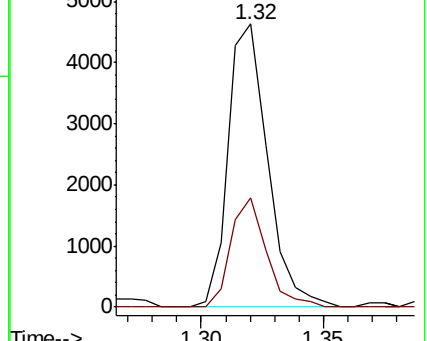
50 100

52 38.8 26.0 39.0



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 2.611 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013095.D

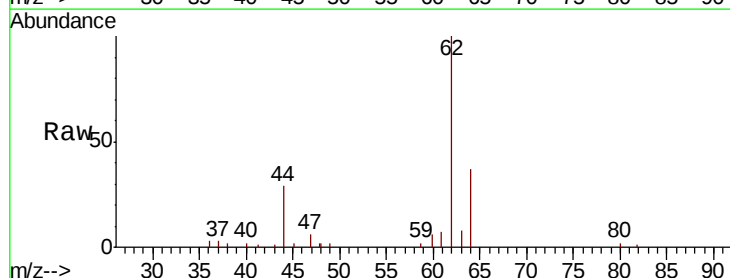
Acq: 16 Oct 2019 14:49

Tgt Ion: 62 Resp: 5198

Ion Ratio Lower Upper

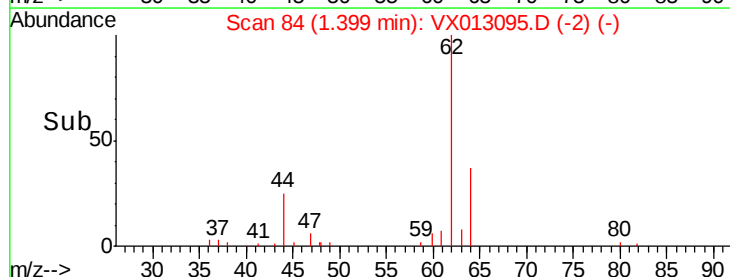
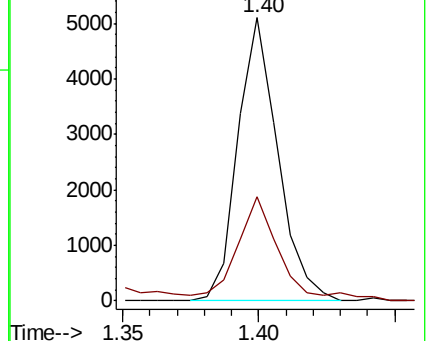
62 100

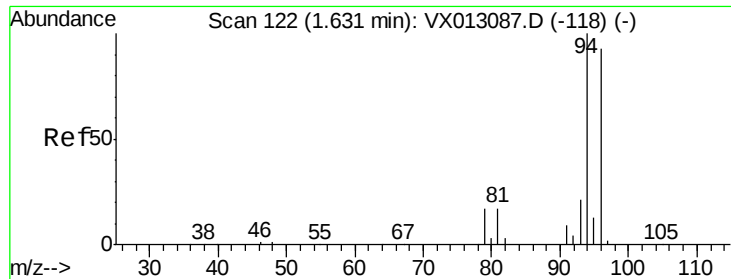
64 35.1 27.4 41.0



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 4.108 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

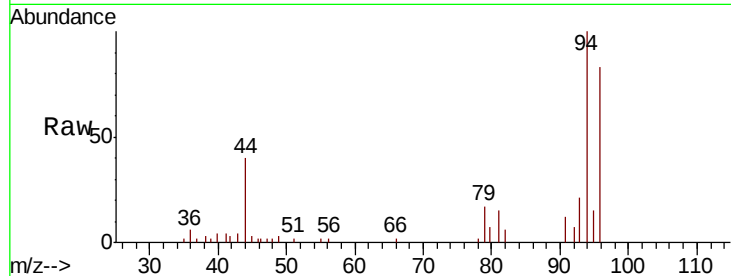
ClientSampleId :

Tot Ion: 94 Resp: 3822

Ion Ratio Lower Upper

94 100

96 82.5 74.2 111.4



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

1.63

3000

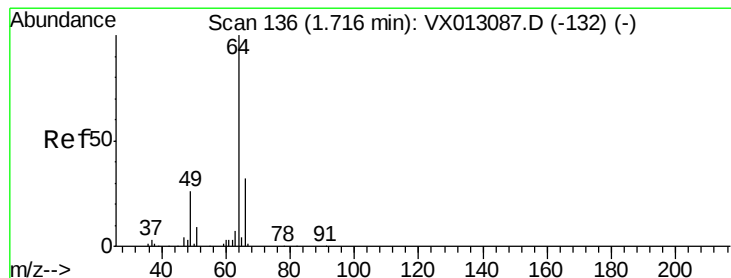
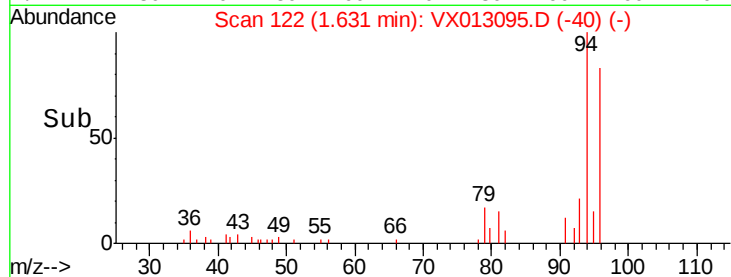
2000

1000

0

Time-->

1.60 1.65



#6

Chloroethane

Concen: 3.103 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX013095.D

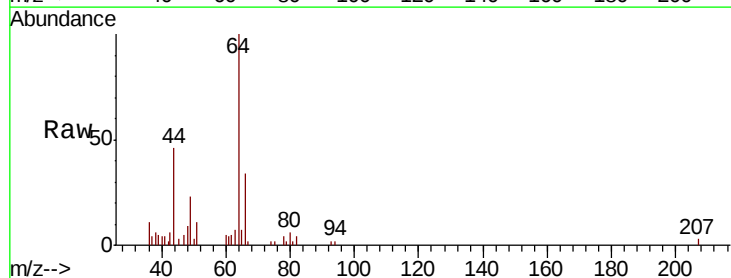
Acq: 16 Oct 2019 14:49

Tgt Ion: 64 Resp: 3798

Ion Ratio Lower Upper

64 100

66 32.8 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

1.72

2500

2000

1500

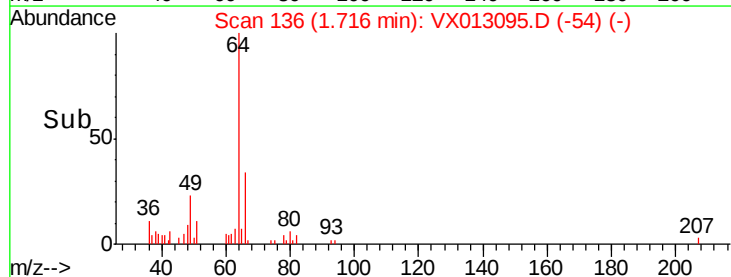
1000

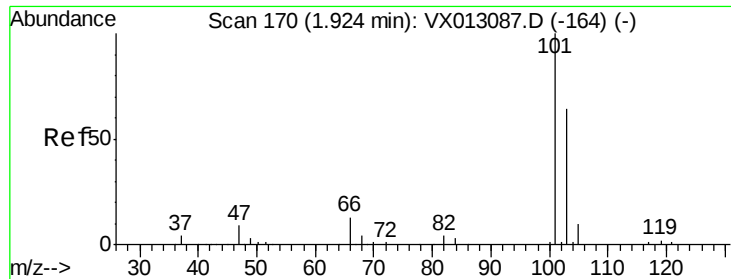
500

0

Time-->

1.60 1.65 1.70 1.75



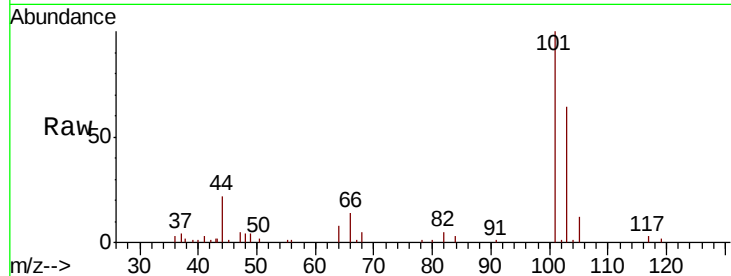


#7

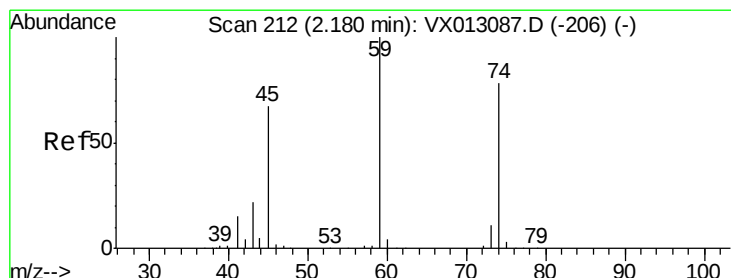
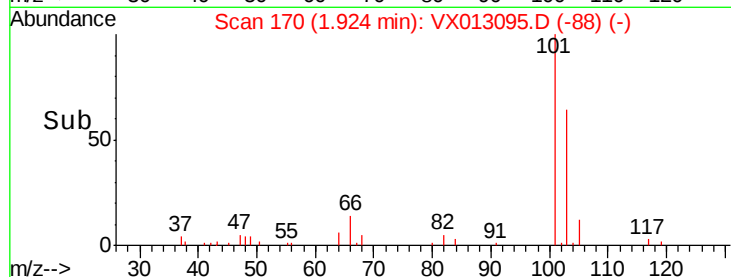
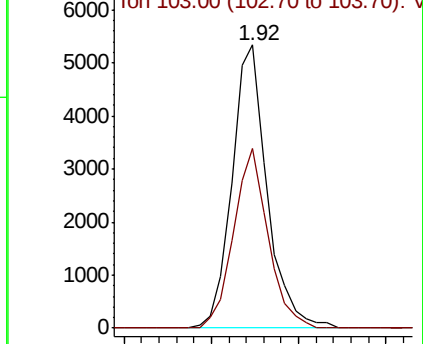
Trichlorofluoromethane
Concen: 2.535 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:101 Resp: 7416
Ion Ratio Lower Upper
101 100
103 63.6 50.9 76.3



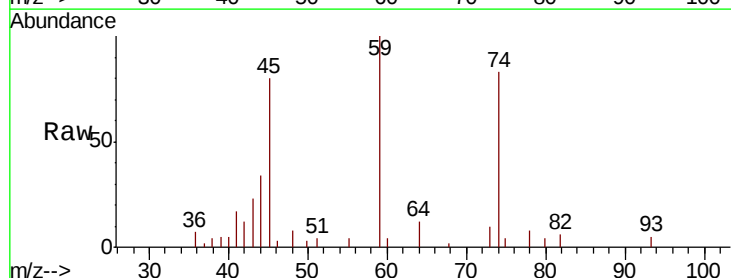
Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



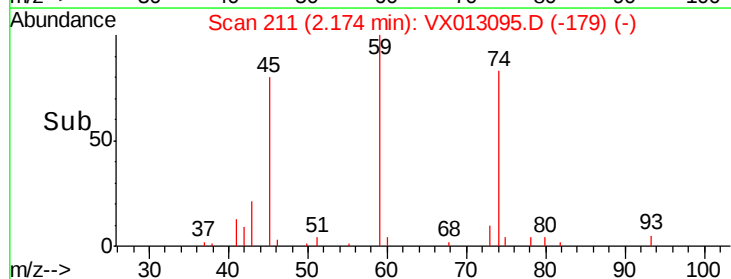
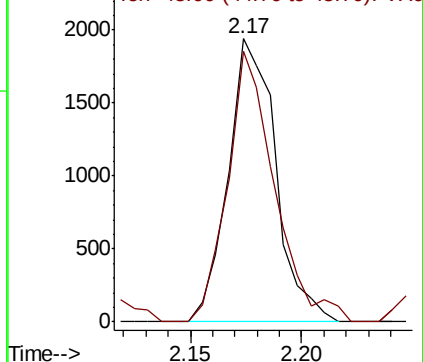
#8

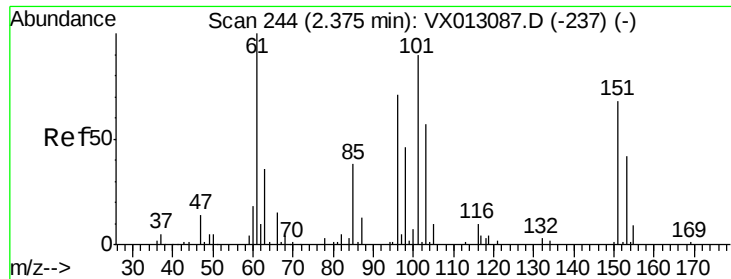
Diethyl Ether
Concen: 2.677 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

Tgt Ion: 74 Resp: 2882
Ion Ratio Lower Upper
74 100
45 91.4 18.2 163.4



Abundance Ion 74.00 (73.70 to 74.70): VX0
Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.609 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

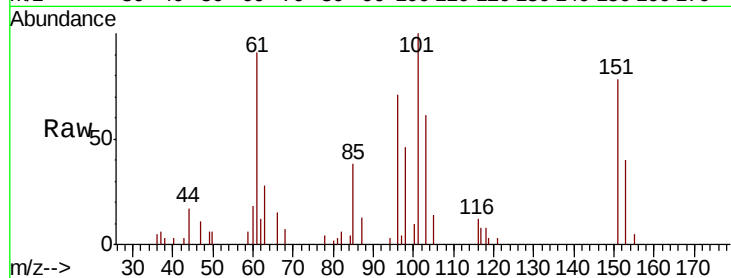
Tot Ion:101 Resp: 4811

Ion Ratio Lower Upper

101 100

85 41.7 0.0 85.2

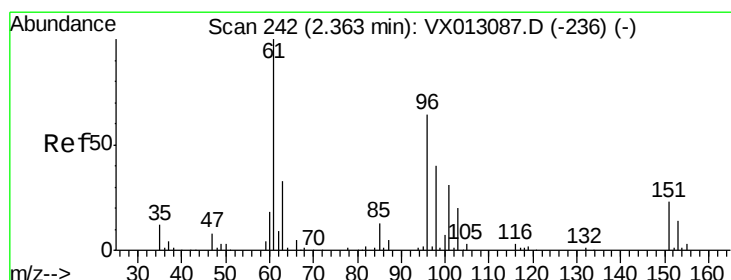
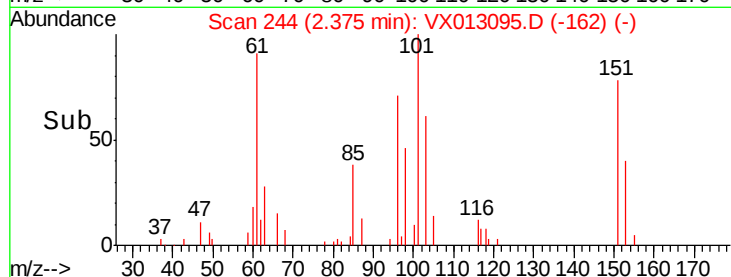
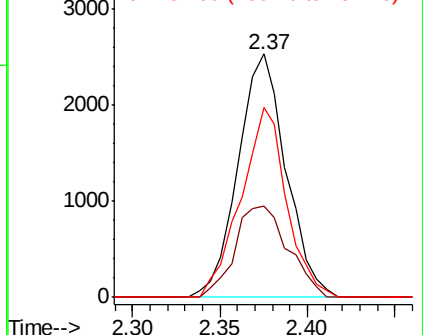
151 74.4 0.0 157.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 2.523 ug/l

RT: 2.36 min Scan# 242

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

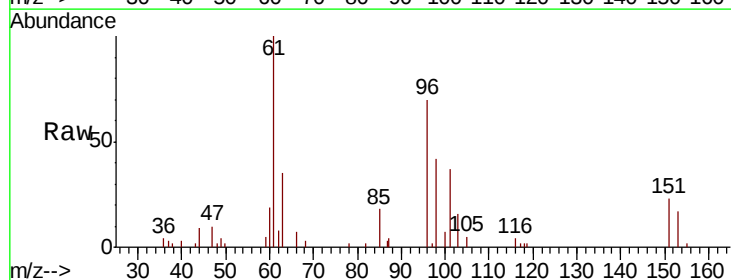
Tgt Ion: 96 Resp: 4577

Ion Ratio Lower Upper

96 100

61 143.8 124.2 186.2

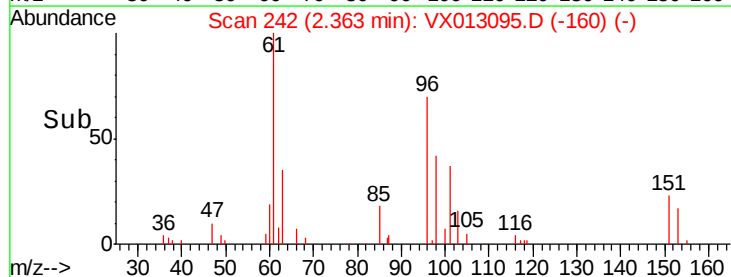
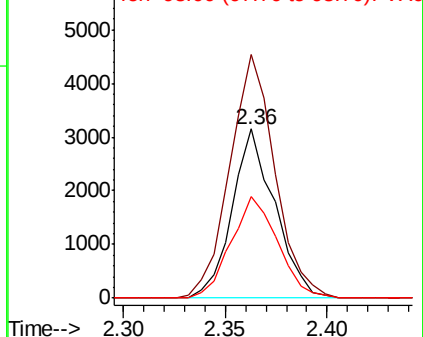
98 59.8 50.2 75.2

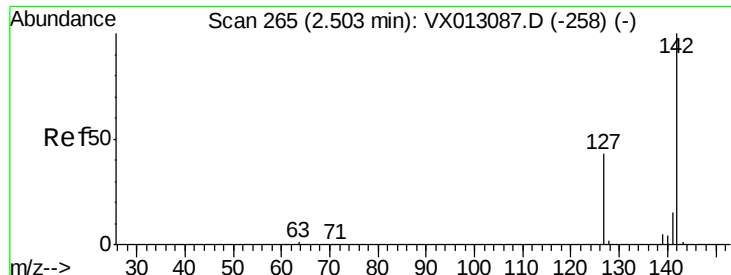


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

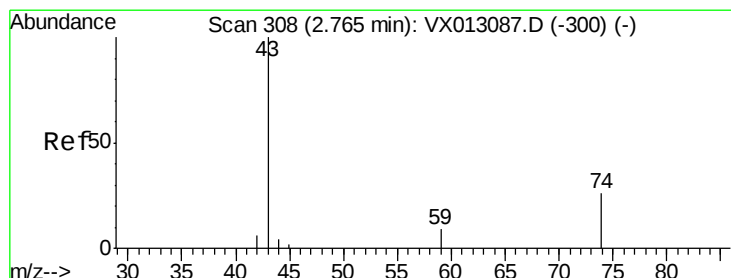
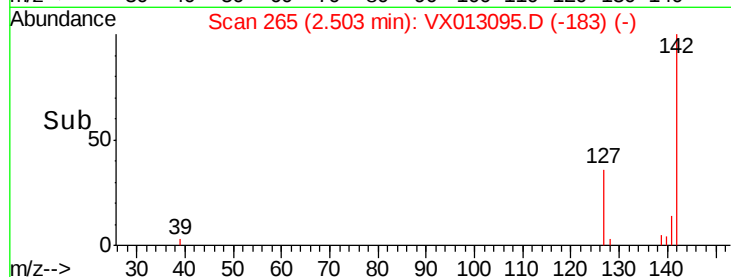
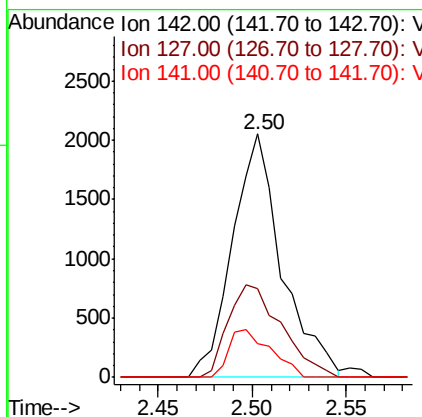
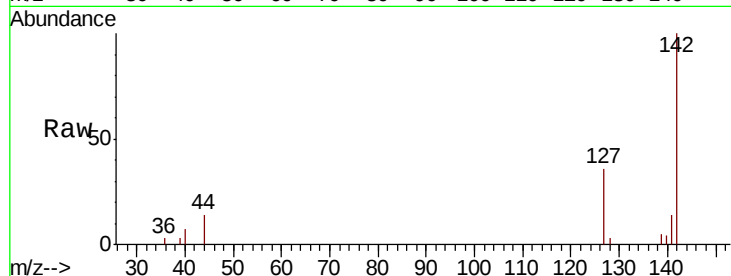




#11
Methvl Iodide
Concen: 1.682 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

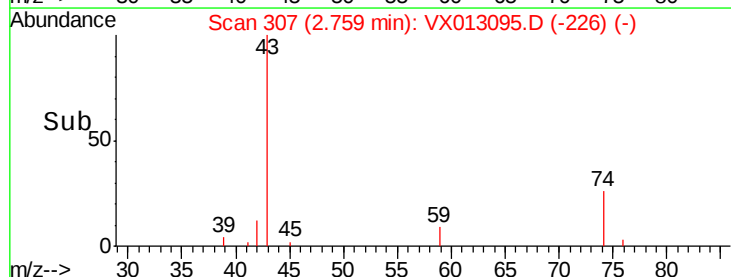
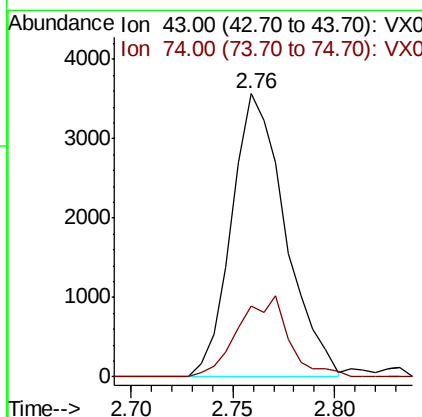
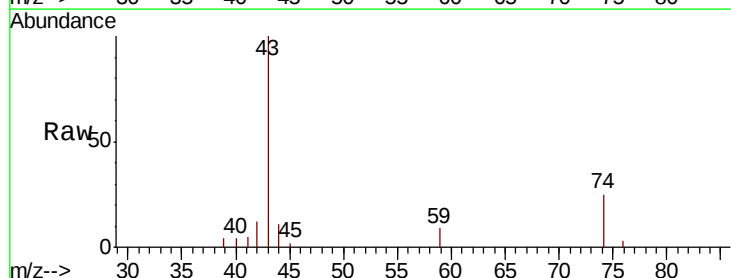
Instrument :
MSVOA_X
ClientSampled :

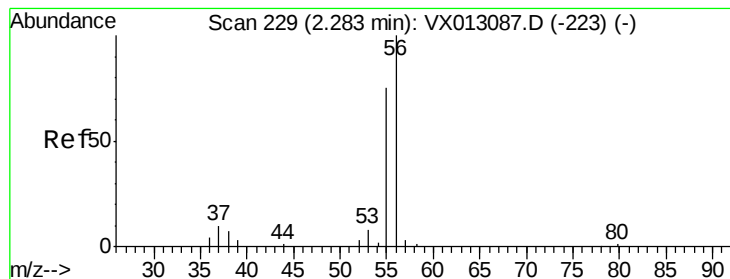
Tot Ion:142 Resp: 3731
Ion Ratio Lower Upper
142 100
127 36.8 21.4 64.2
141 14.0 7.3 21.9



#12
Methyl Acetate
Concen: 2.576 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

Tgt Ion: 43 Resp: 6536
Ion Ratio Lower Upper
43 100
74 24.4 20.9 31.3





#13

Acrolein

Concen: 10.927 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

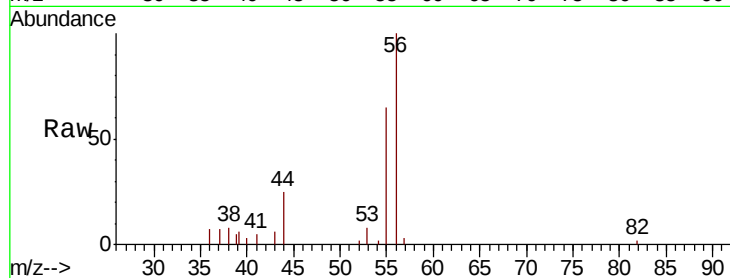
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 3989

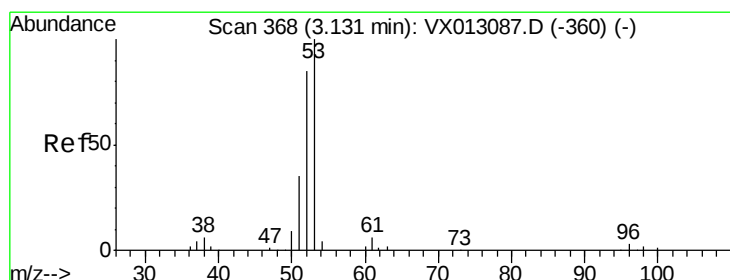
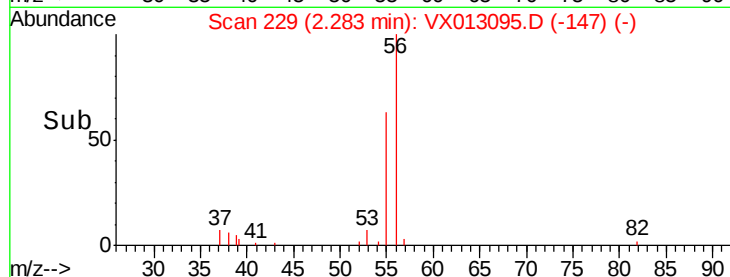
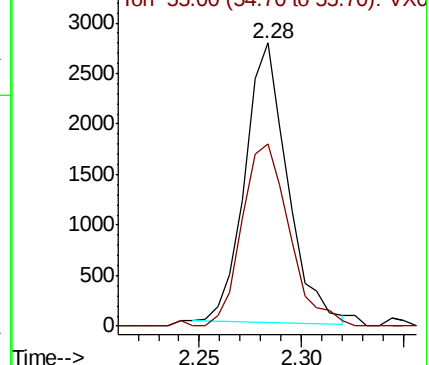
Ion Ratio Lower Upper

56 100

55 72.9 57.8 86.8



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 12.733 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

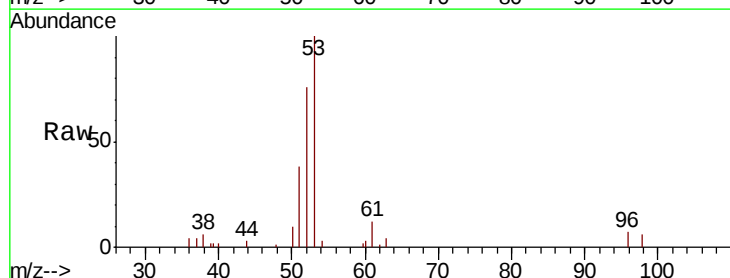
Tgt Ion: 53 Resp: 13483

Ion Ratio Lower Upper

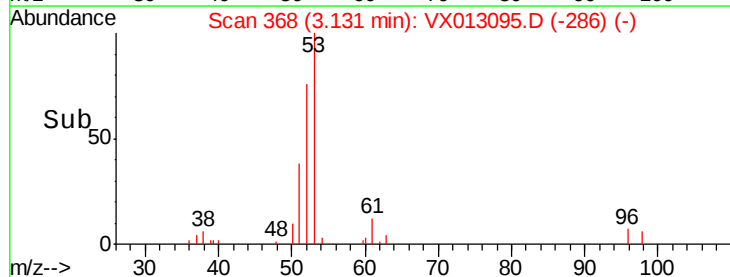
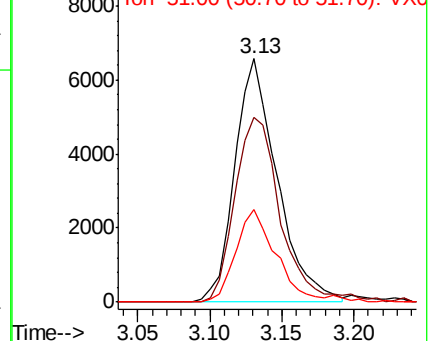
53 100

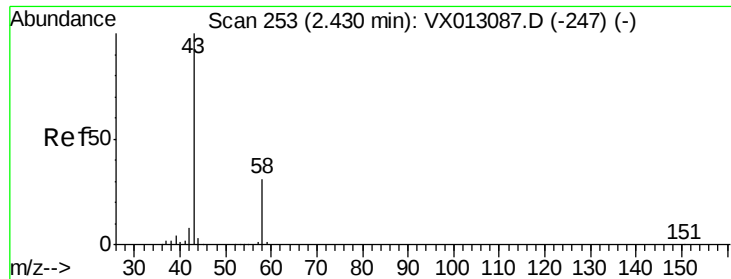
52 80.4 41.4 124.2

51 35.9 18.1 54.4



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





#15

Acetone

Concen: 11.647 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

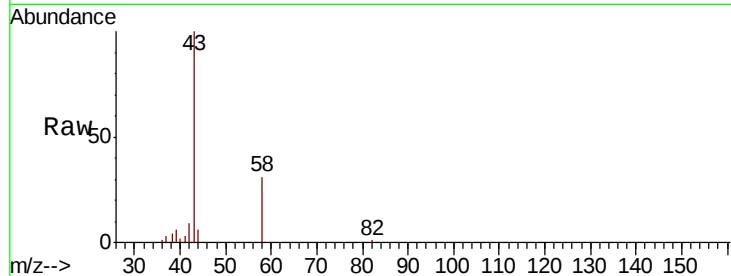
ClientSampleId :

Tot Ion: 58 Resp: 4366

Ion Ratio Lower Upper

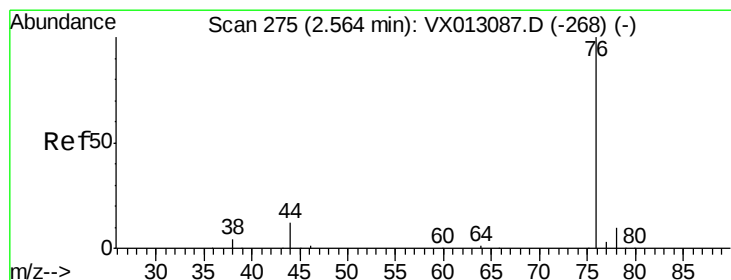
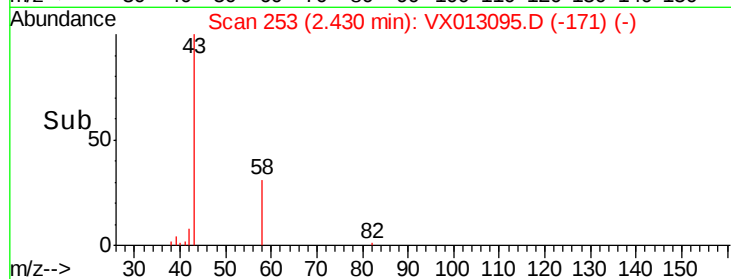
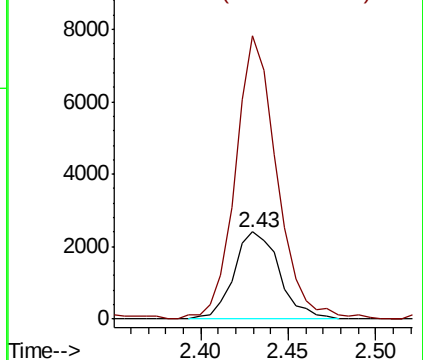
58 100

43 320.3 259.5 389.3



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 2.707 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.00 min

Lab File: VX013095.D

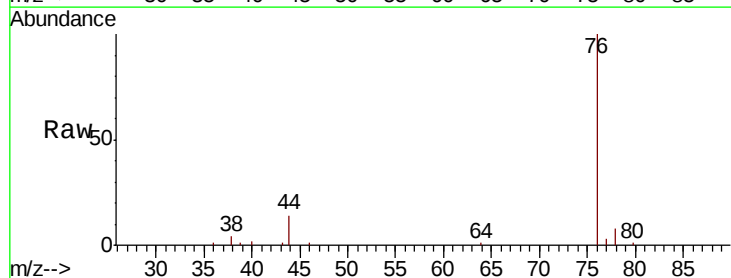
Acq: 16 Oct 2019 14:49

Tgt Ion: 76 Resp: 13281

Ion Ratio Lower Upper

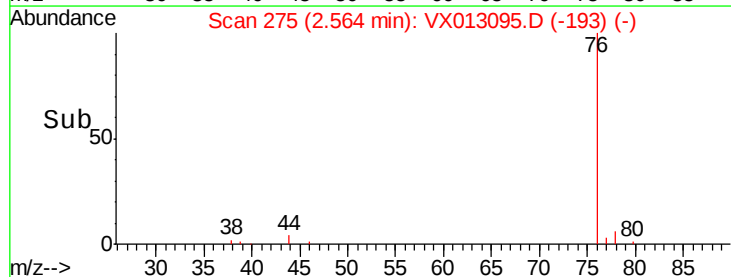
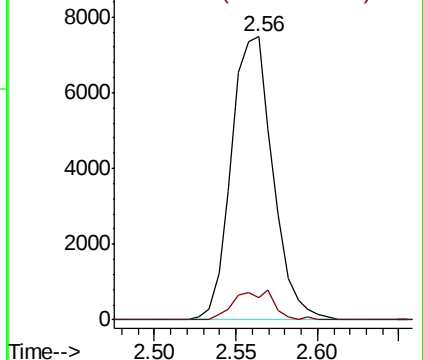
76 100

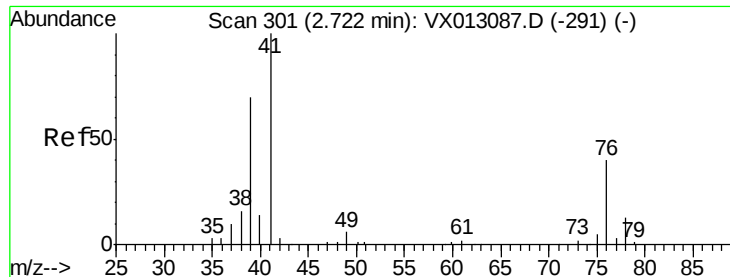
78 7.7 7.8 11.6#



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

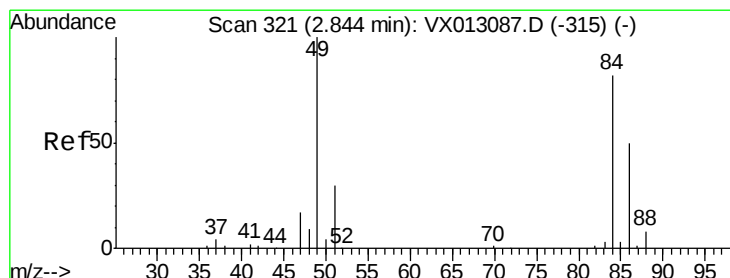
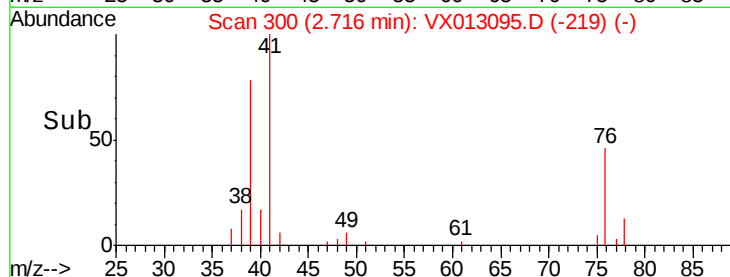
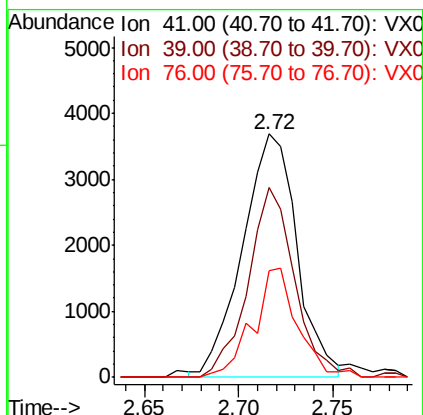
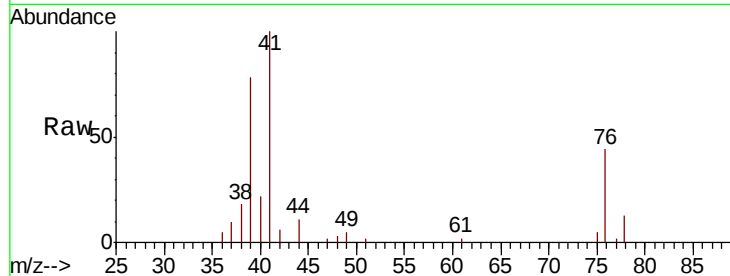




#17
Allvl chloride
Concen: 2.397 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.01 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

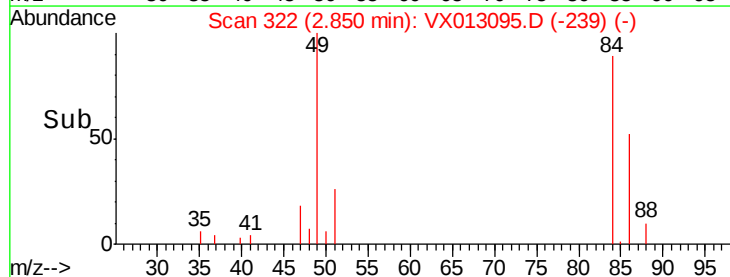
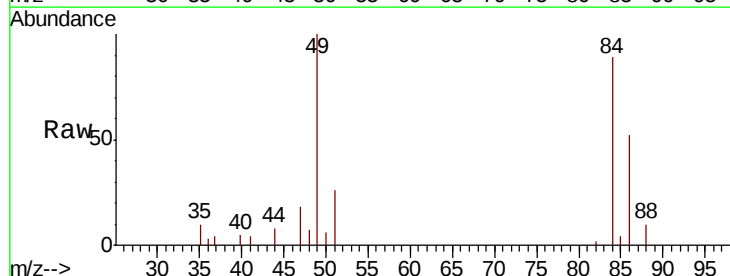
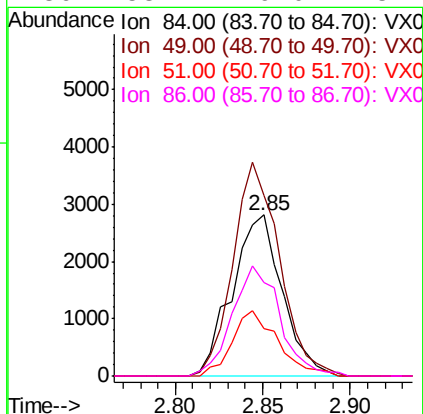
Instrument :
MSVOA_X
ClientSampleId :

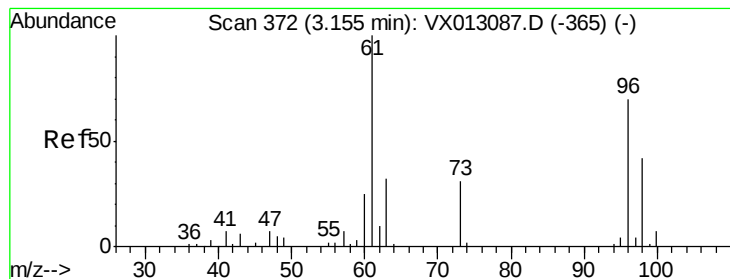
Tot Ion: 41 Resp: 7381
Ion Ratio Lower Upper
41 100
39 79.9 34.8 104.5
76 44.7 20.2 60.5



#18
Methylene Chloride
Concen: 2.715 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

Tgt Ion: 84 Resp: 5603
Ion Ratio Lower Upper
84 100
49 112.1 97.8 146.6
51 29.3 29.2 43.8
86 58.4 49.0 73.4





#19

trans-1,2-Dichloroethene

Concen: 2.657 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

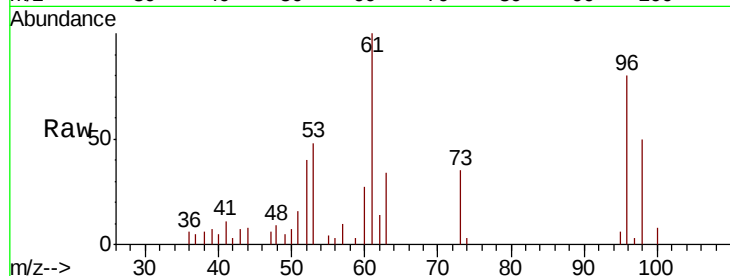
Tot Ion: 96 Resp: 5162

Ion Ratio Lower Upper

96 100

61 125.1 113.9 170.9

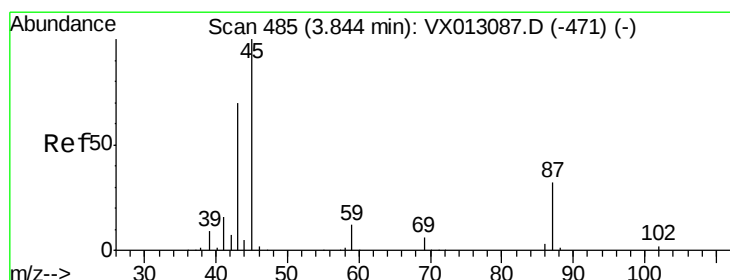
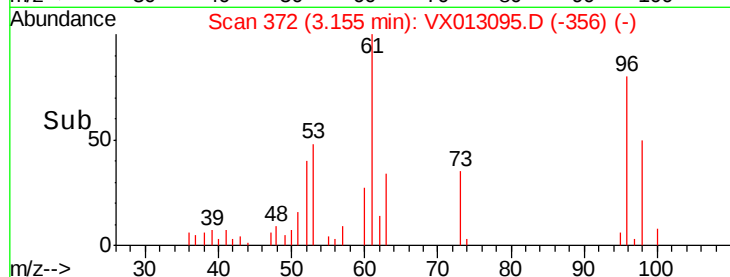
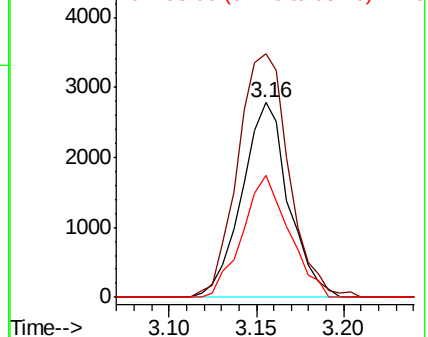
98 62.9 48.1 72.1



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#20

Diisopropyl ether

Concen: 2.525 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Tgt Ion: 45 Resp: 14915

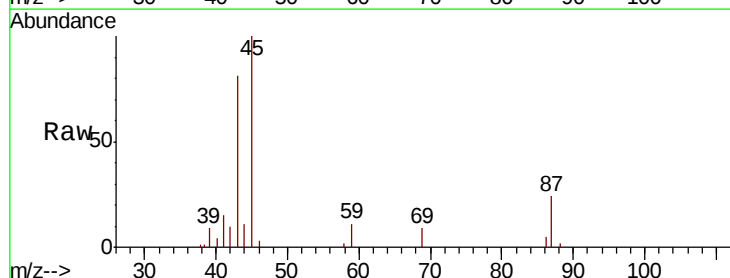
Ion Ratio Lower Upper

45 100

43 78.0 57.5 86.3

87 24.5 25.3 37.9#

59 11.3 9.7 14.5

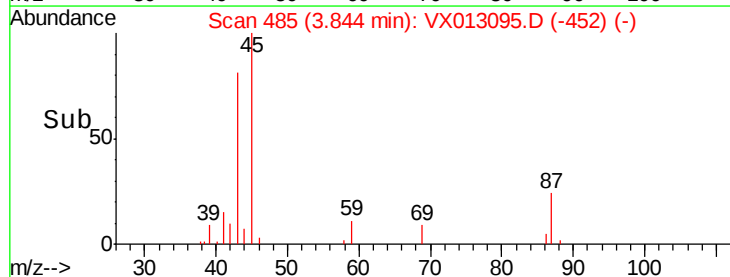
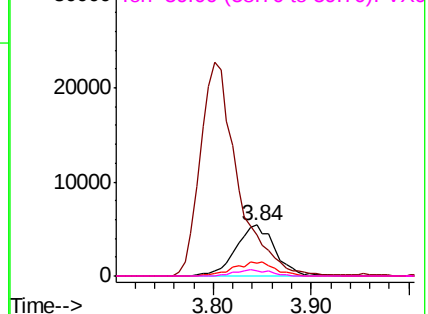


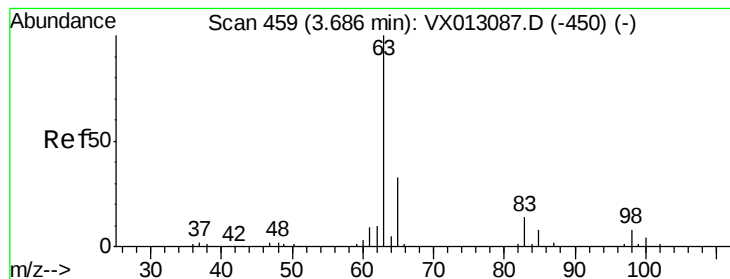
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#21

1,1-Dichloroethane

Concen: 2.485 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

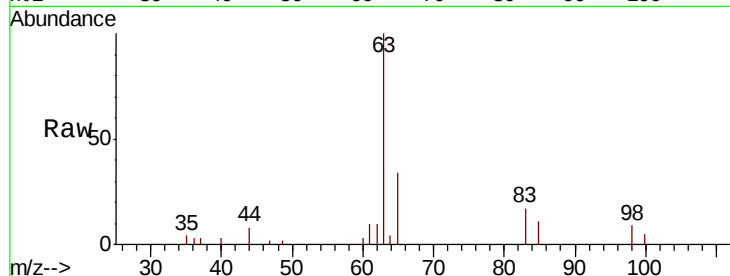
Tot Ion: 63 Resp: 8466

Ion Ratio Lower Upper

63 100

98 9.5 3.8 11.4

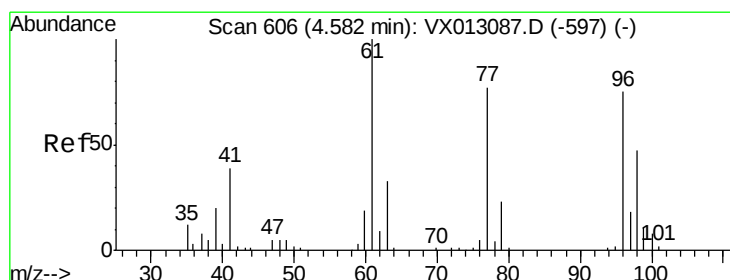
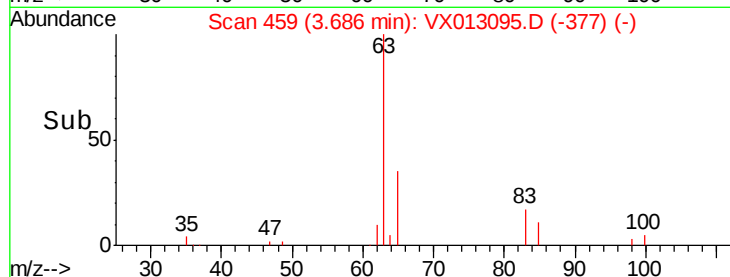
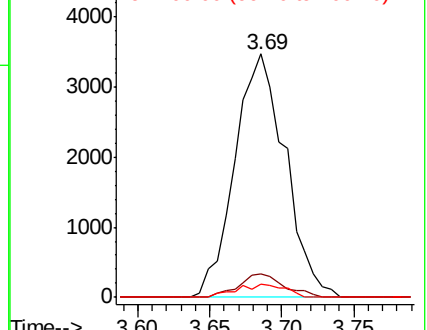
100 5.4 2.1 6.5



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 2.489 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.01 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

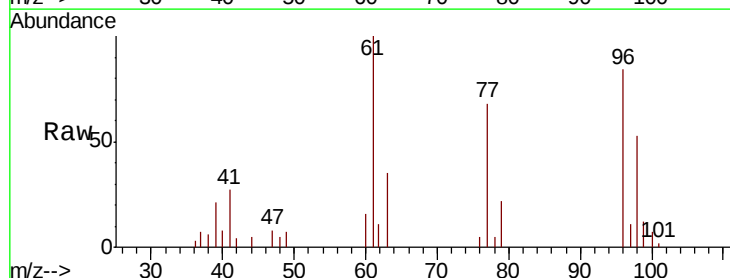
Tgt Ion: 96 Resp: 5556

Ion Ratio Lower Upper

96 100

61 148.7 115.0 172.4

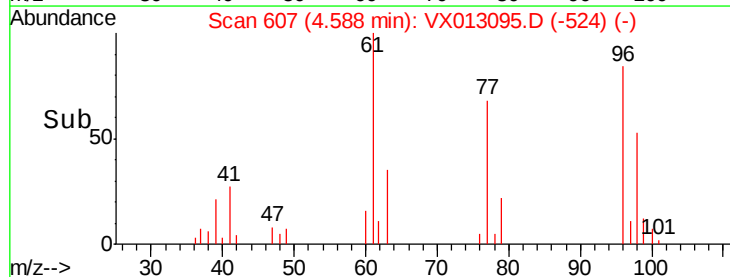
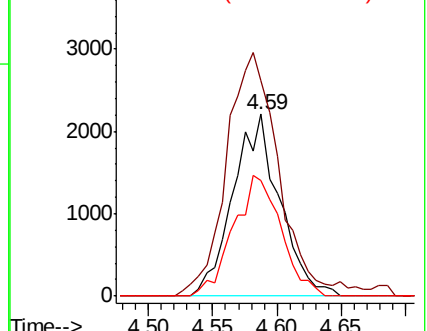
98 67.3 51.5 77.3

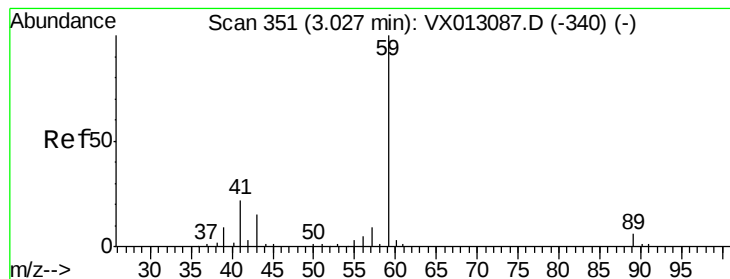


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#23

tert-Butyl Alcohol

Concen: 18.944 ug/l

RT: 3.03 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

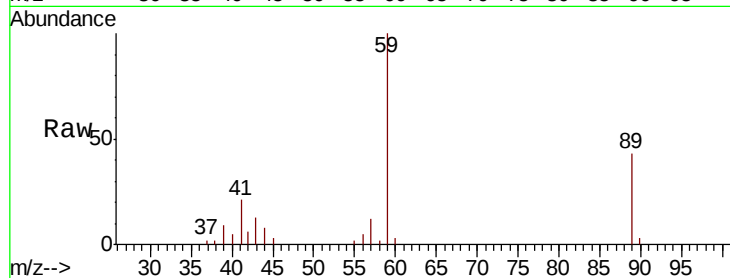
ClientSampled :

Tot Ion: 59 Resp: 10135

Ion Ratio Lower Upper

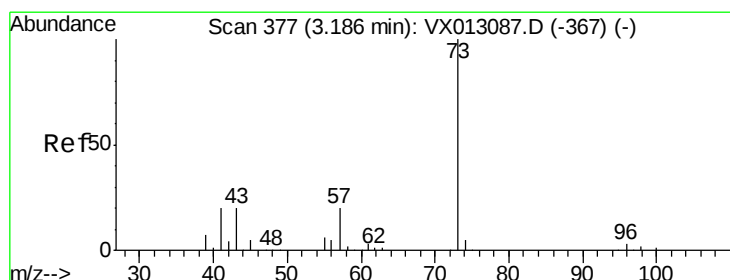
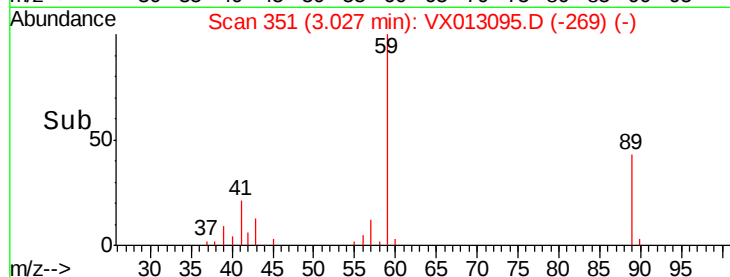
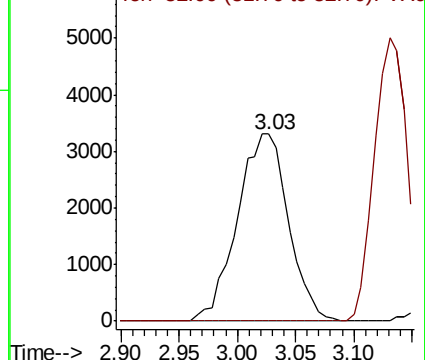
59 100

52 0.0 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#24

Methyl tert-Butyl Ether

Concen: 2.493 ug/l

RT: 3.18 min Scan# 376

Delta R.T. -0.01 min

Lab File: VX013095.D

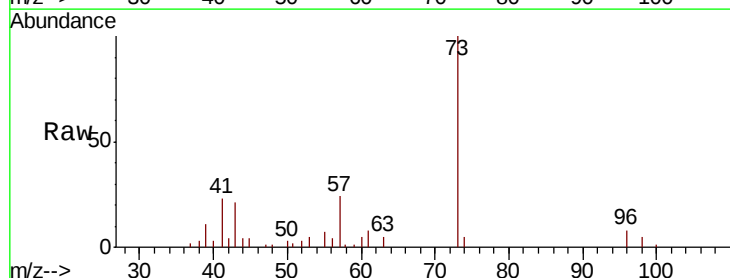
Acq: 16 Oct 2019 14:49

Tgt Ion: 73 Resp: 15414

Ion Ratio Lower Upper

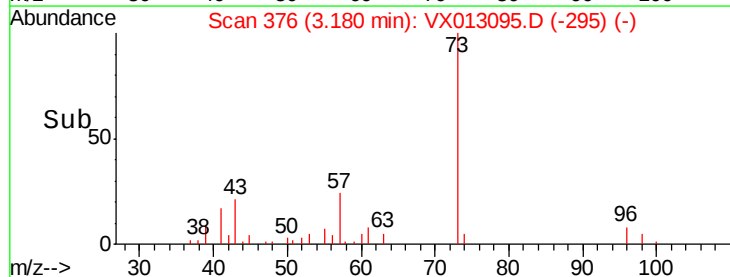
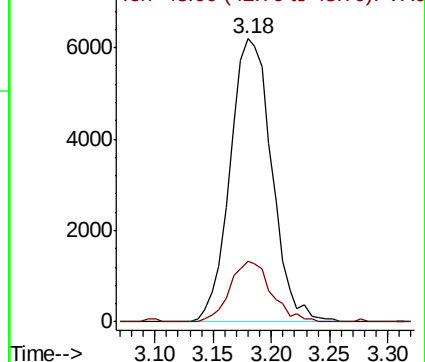
73 100

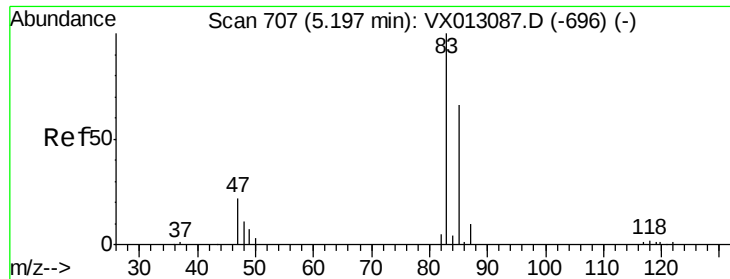
43 21.3 15.8 23.8



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

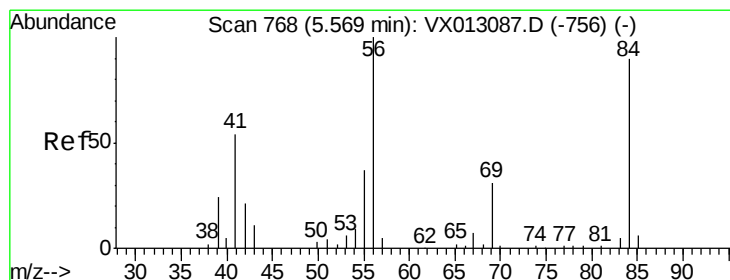
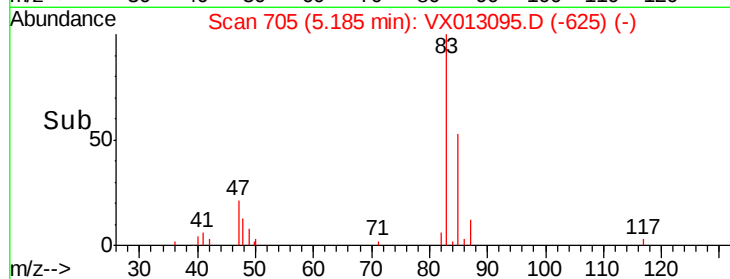
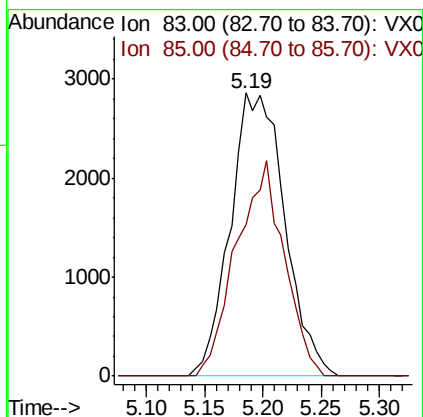
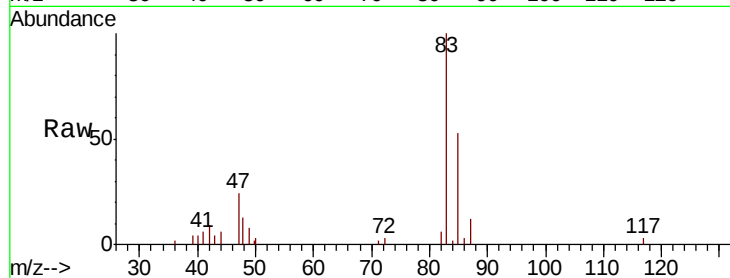




#25
Chloroform
Concen: 2.633 ug/l
RT: 5.19 min Scan# 705
Delta R.T. -0.01 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

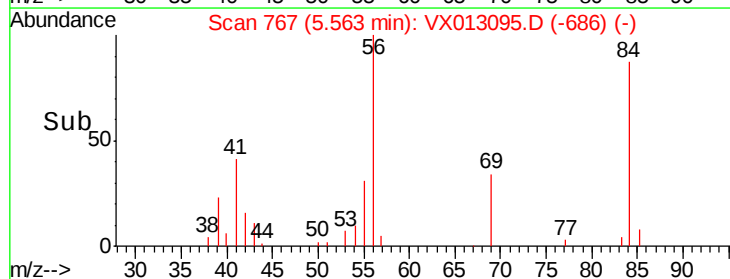
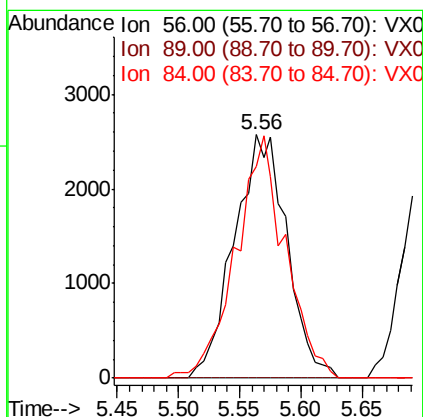
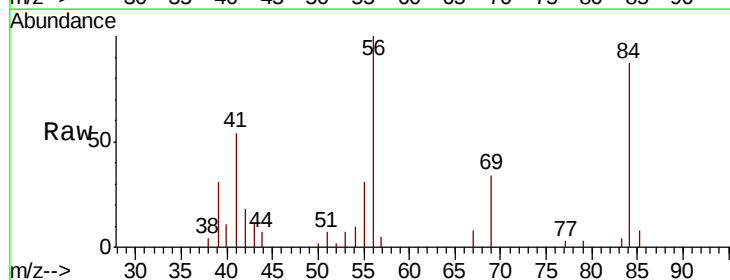
Instrument :
MSVOA_X
ClientSampleId :

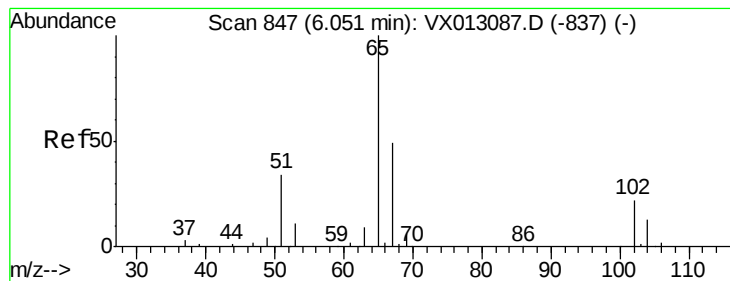
Tot Ion: 83 Resp: 9273
Ion Ratio Lower Upper
83 100
85 53.4 53.0 79.6



#26
Cyclohexane
Concen: 2.489 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

Tgt Ion: 56 Resp: 7703
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 92.5 71.3 106.9





#27

1,2-Dichloroethane-d4

Concen: 29.734 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

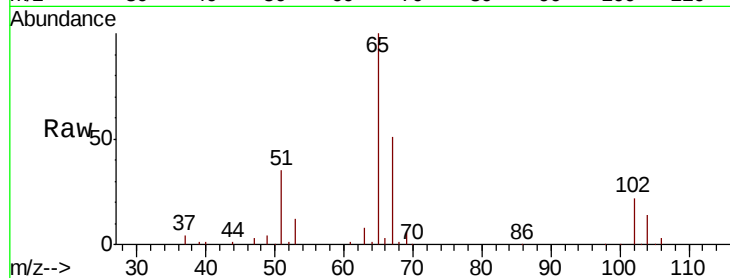
ClientSampleId :

Tot Ion: 65 Resp: 68772

Ion Ratio Lower Upper

65 100

67 52.8 41.2 61.8



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

6.05

30000

25000

20000

15000

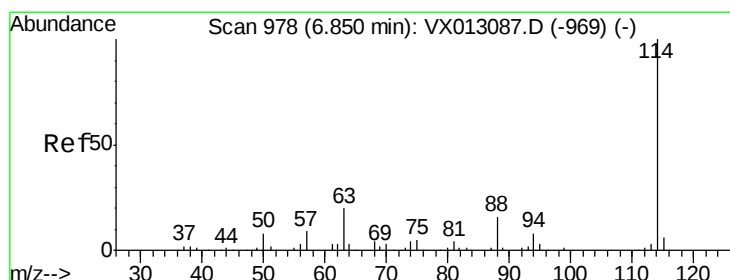
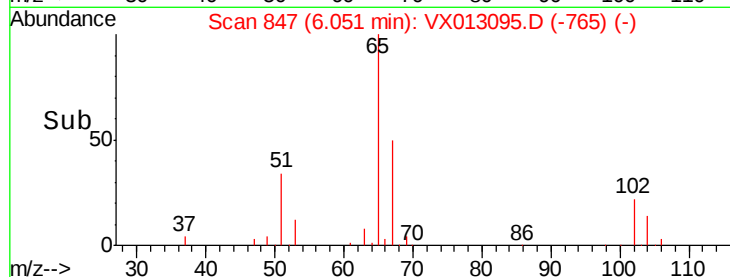
10000

5000

0

6.00 6.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

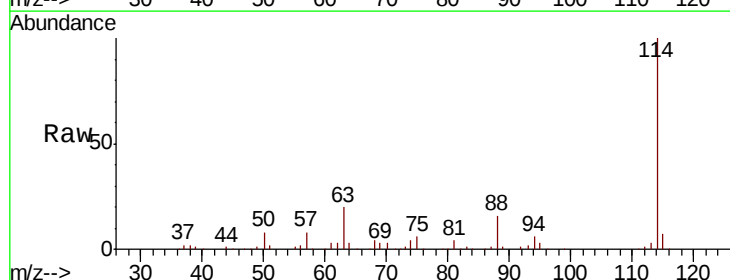
Tgt Ion: 114 Resp: 173937

Ion Ratio Lower Upper

114 100

63 20.3 16.5 24.7

88 17.1 13.6 20.4



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

6.85

100000

80000

60000

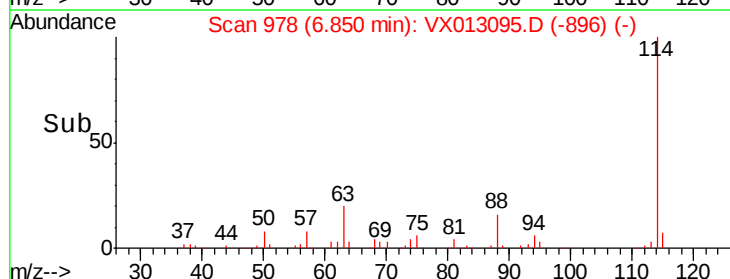
40000

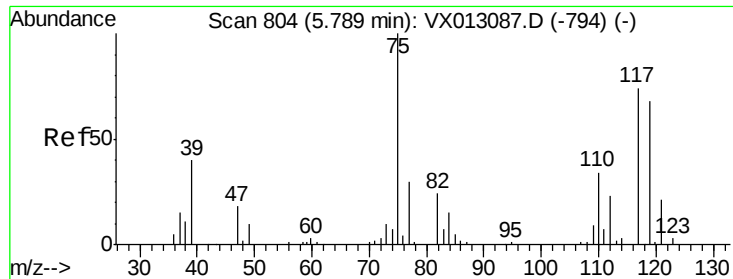
20000

0

6.75 6.80 6.85 6.90

Time-->





#29

1,1-Dichloropropene

Concen: 2.423 ug/l

RT: 5.78 min Scan# 803

Delta R.T. -0.01 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

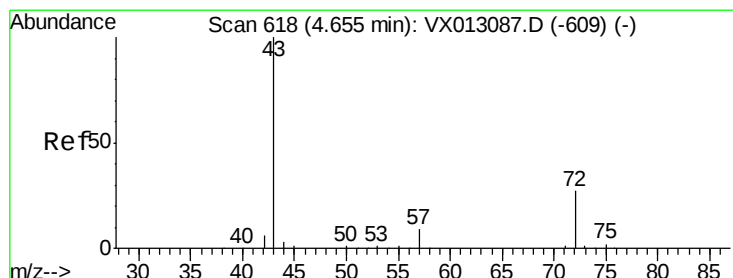
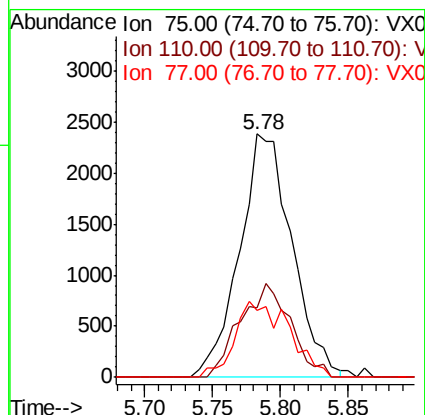
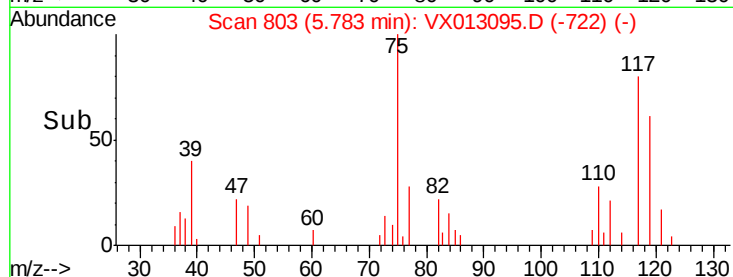
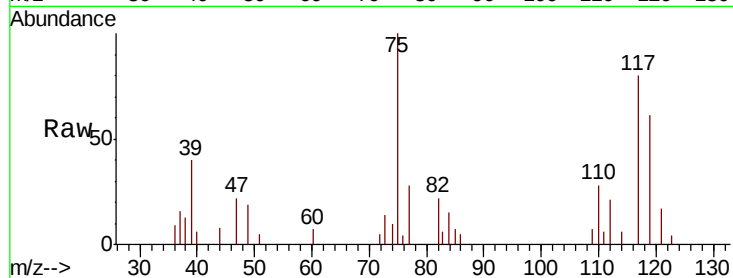
Tot Ion: 75 Resp: 6428

Ion Ratio Lower Upper

75 100

110 36.2 0.0 72.2

77 16.8 0.0 62.8



#30

2-Butanone

Concen: 11.842 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

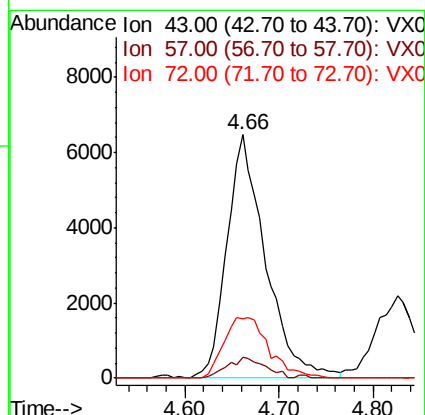
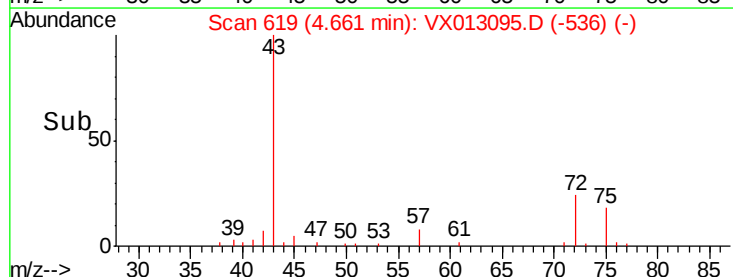
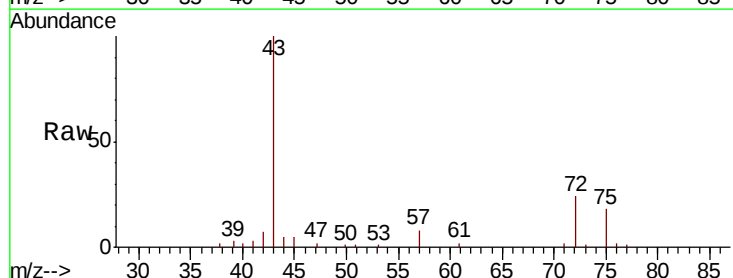
Tgt Ion: 43 Resp: 18506

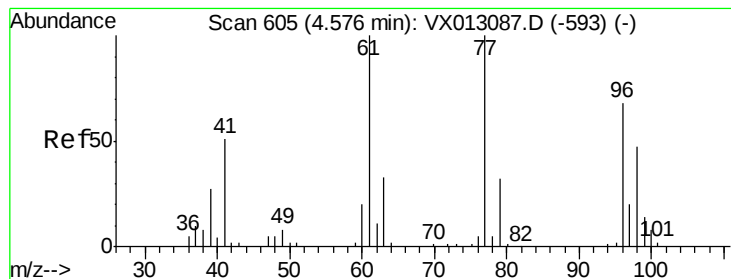
Ion Ratio Lower Upper

43 100

57 7.9 6.9 10.3

72 13.5 22.1 33.1#





#31

2,2-Dichloropropane

Concen: 2.375 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

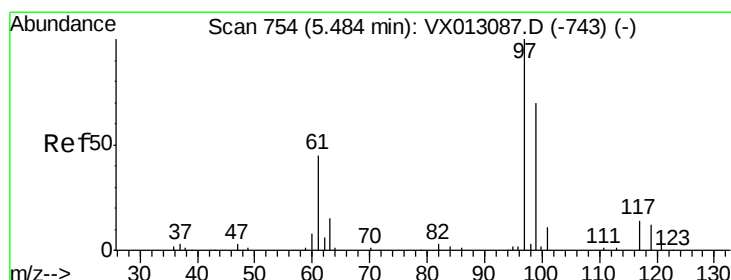
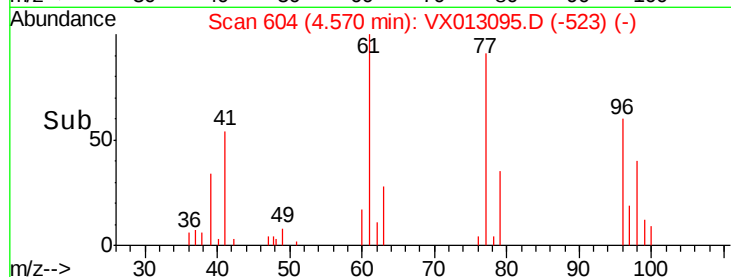
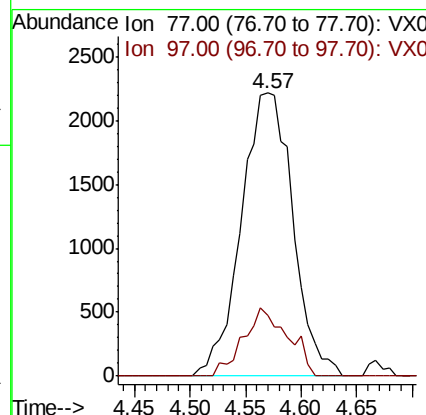
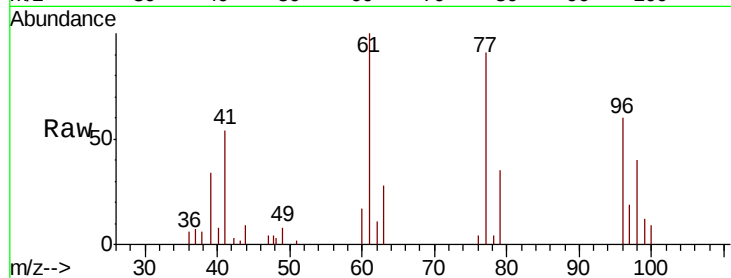
ClientSampleId :

Tot Ion: 77 Resp: 7128

Ion Ratio Lower Upper

77 100

97 17.8 17.8 26.6



#32

1,1,1-Trichloroethane

Concen: 2.453 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

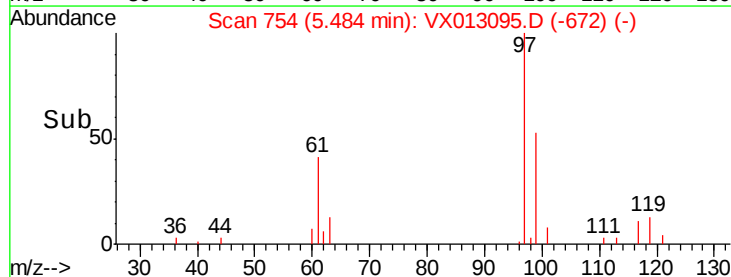
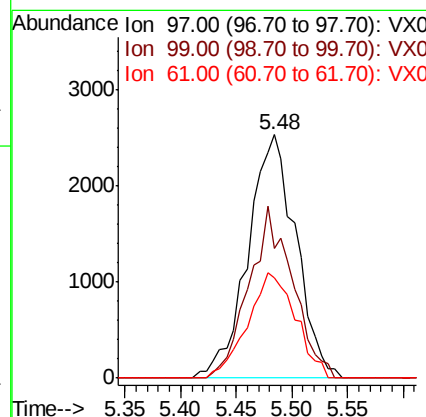
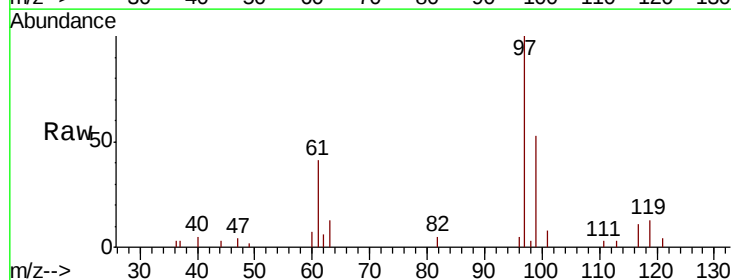
Tgt Ion: 97 Resp: 7612

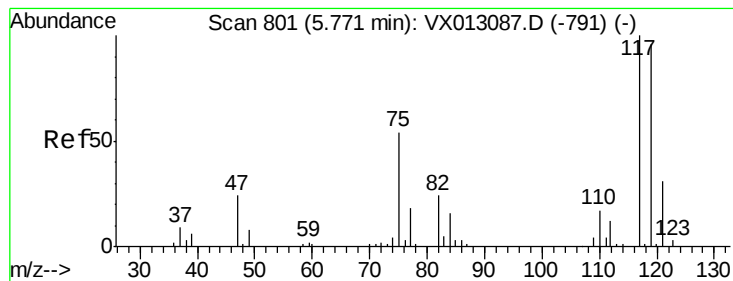
Ion Ratio Lower Upper

97 100

99 64.2 52.4 78.6

61 43.2 35.1 52.7





#33

Carbon Tetrachloride

Concen: 1.576 ug/l

RT: 5.77 min Scan# 801

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

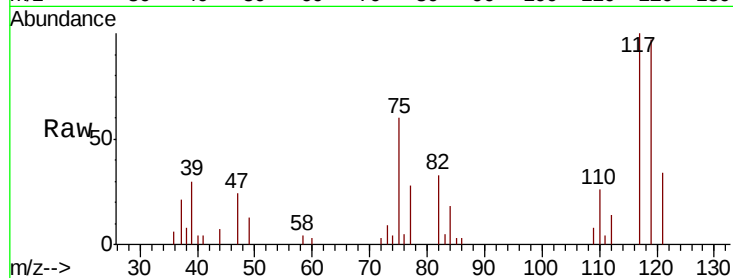
Tot Ion:117 Resp: 4196

Ion Ratio Lower Upper

117 100

119 97.1 77.0 115.4

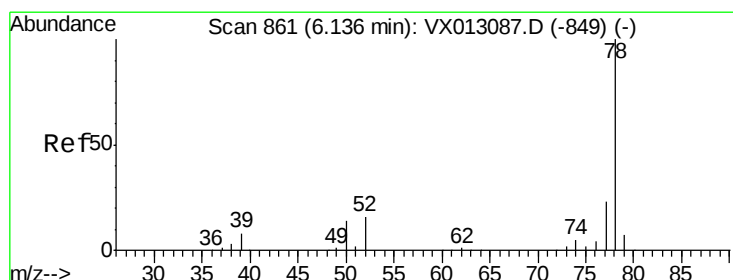
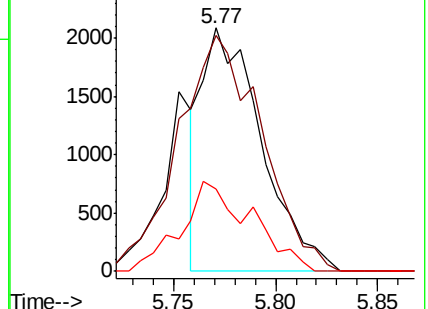
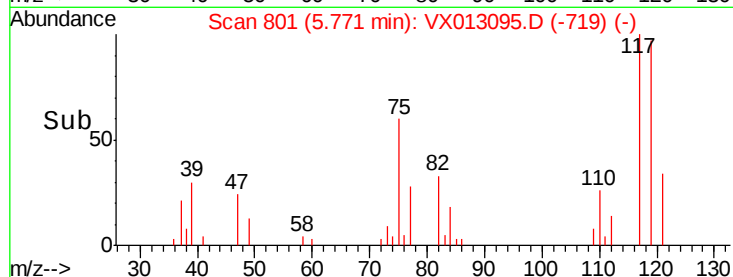
121 34.0 24.6 36.8



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: 2.595 ug/l

RT: 6.13 min Scan# 860

Delta R.T. -0.01 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

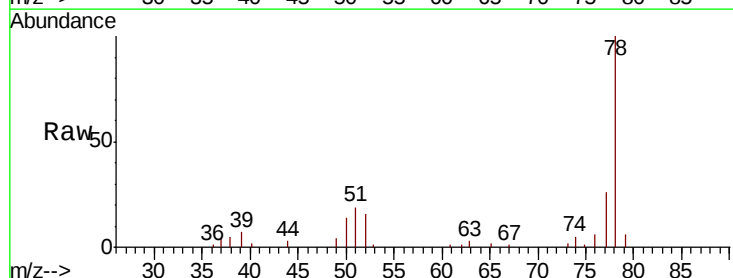
Tgt Ion: 78 Resp: 20442

Ion Ratio Lower Upper

78 100

77 26.1 18.5 27.7

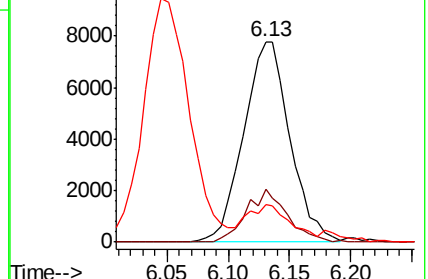
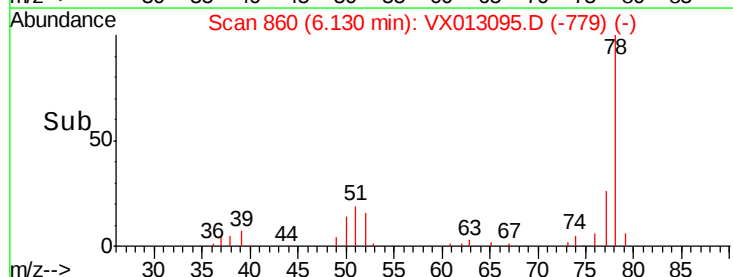
51 15.8 12.1 18.1

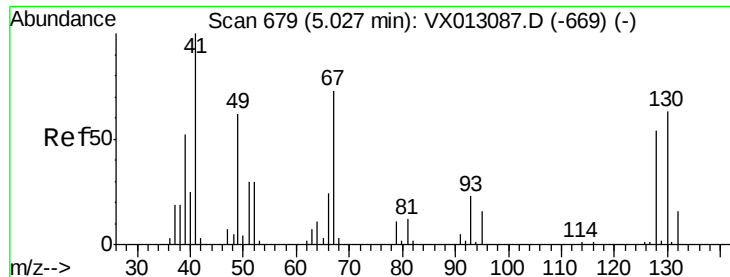


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

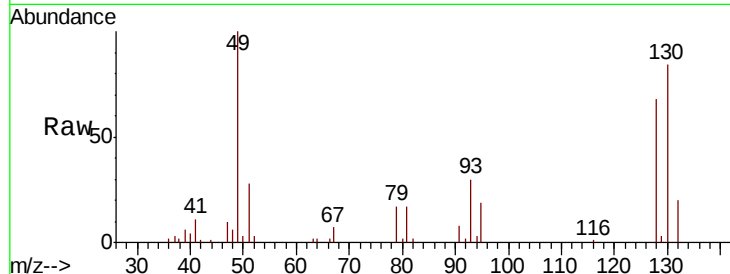




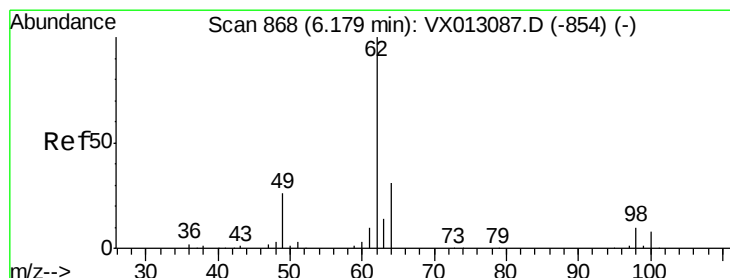
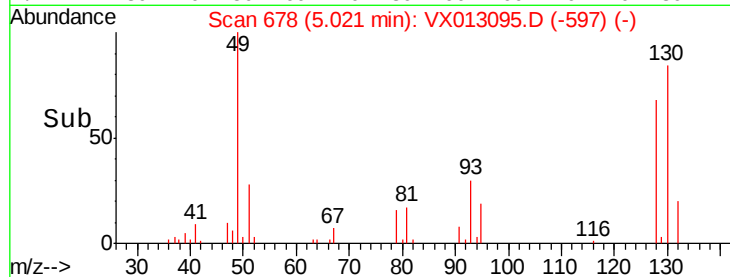
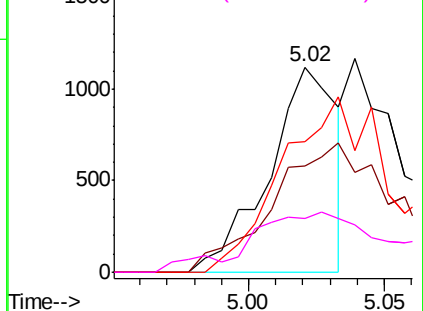
#35
Methacrylonitrile
Concen: 1.269 ug/l
RT: 5.02 min Scan# 678
Delta R.T. -0.01 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 41 Resp: 1945
Ion Ratio Lower Upper
41 100
39 51.8 26.3 78.8
67 64.0 36.5 109.5
52 20.3 15.3 45.8

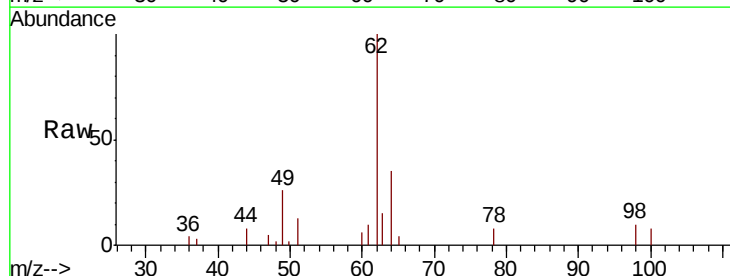


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

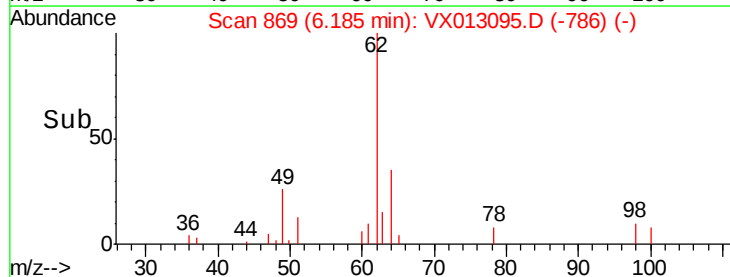
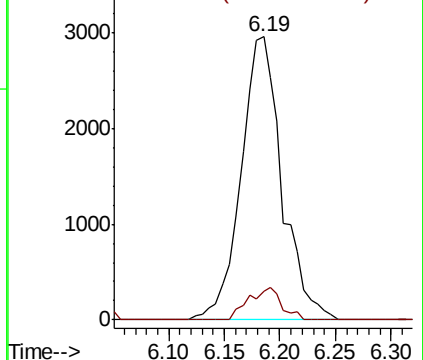


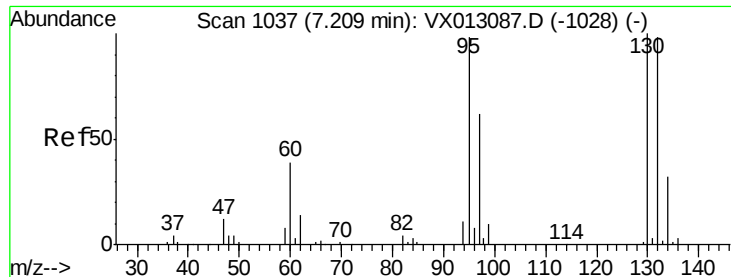
#36
1,2-Dichloroethane
Concen: 2.653 ug/l
RT: 6.19 min Scan# 869
Delta R.T. 0.01 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

Tgt Ion: 62 Resp: 7555
Ion Ratio Lower Upper
62 100
98 8.9 7.8 11.6



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

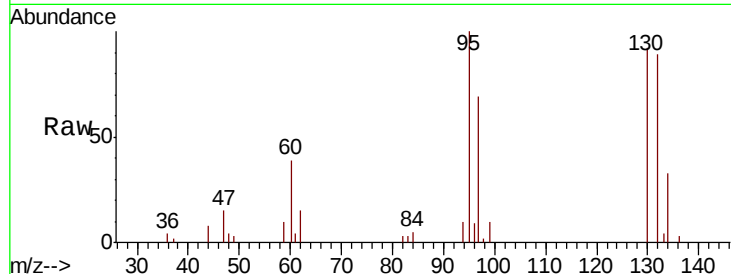




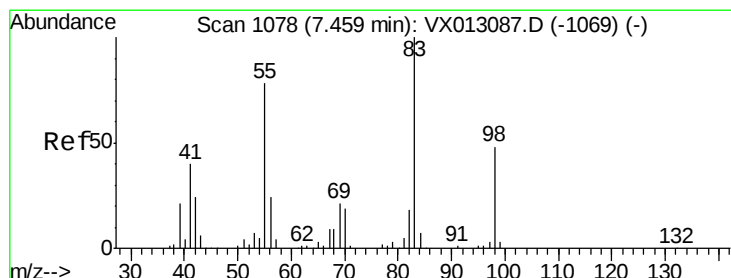
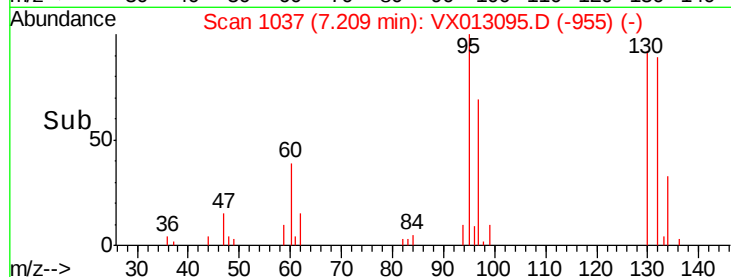
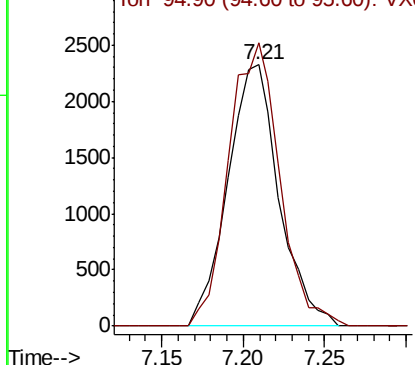
#37
 Trichloroethene
 Concen: 2.423 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VX013095.D
 Acq: 16 Oct 2019 14:49

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:130 Resp: 5098
 Ion Ratio Lower Upper
 130 100
 95 108.4 78.4 117.6

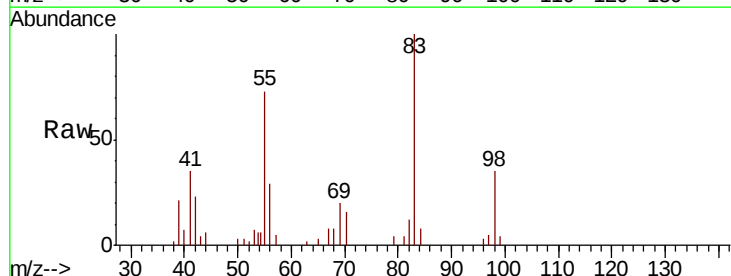


Abundance Ion 129.90 (129.60 to 130.60): VX0
 Ion 94.90 (94.60 to 95.60): VX0

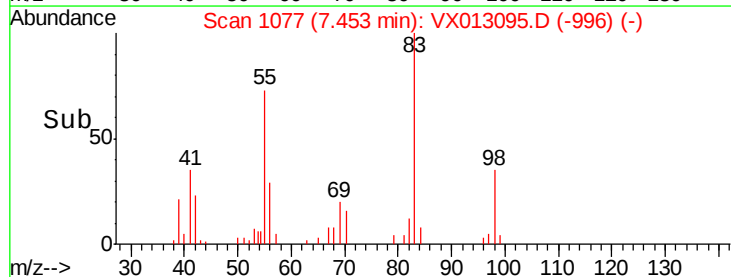
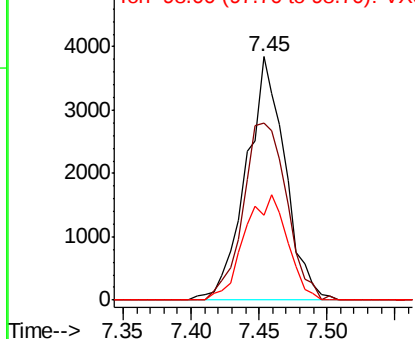


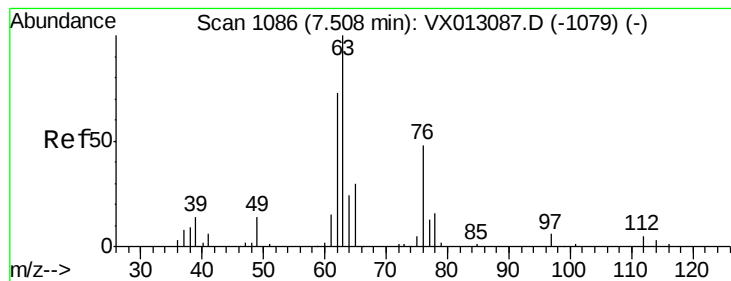
#38
 Methylcyclohexane
 Concen: 2.372 ug/l
 RT: 7.45 min Scan# 1077
 Delta R.T. -0.01 min
 Lab File: VX013095.D
 Acq: 16 Oct 2019 14:49

Tgt Ion: 83 Resp: 7701
 Ion Ratio Lower Upper
 83 100
 55 81.7 38.3 114.8
 98 47.9 24.9 74.7



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





#39

1,2-Dichloropropane

Concen: 2.375 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

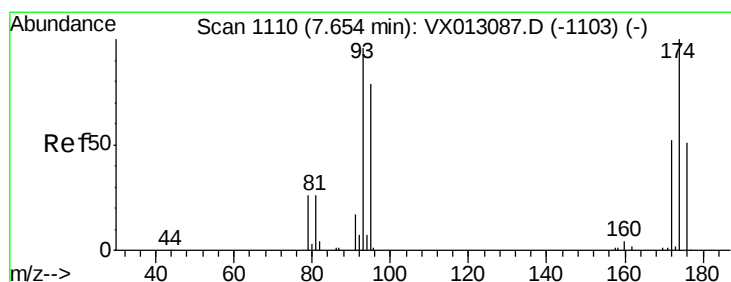
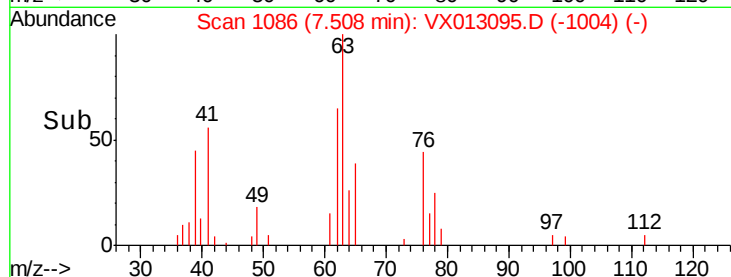
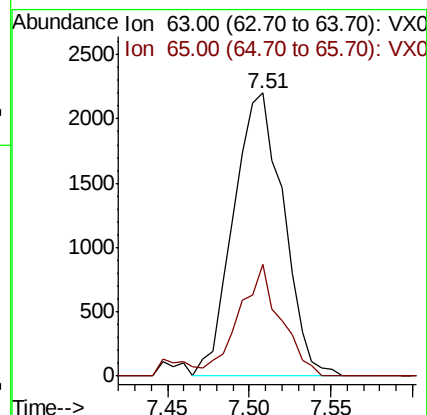
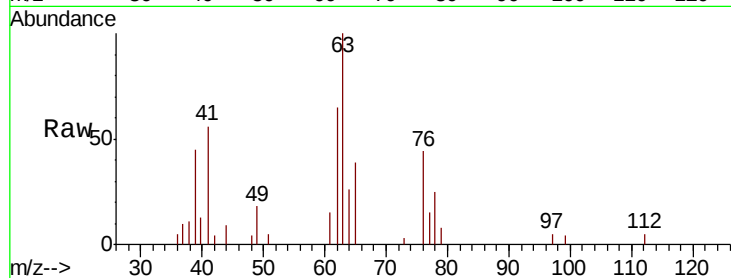
ClientSampled :

Tot Ion: 63 Resp: 4698

Ion Ratio Lower Upper

63 100

65 39.4 25.6 38.4#



#40

Dibromomethane

Concen: 2.617 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

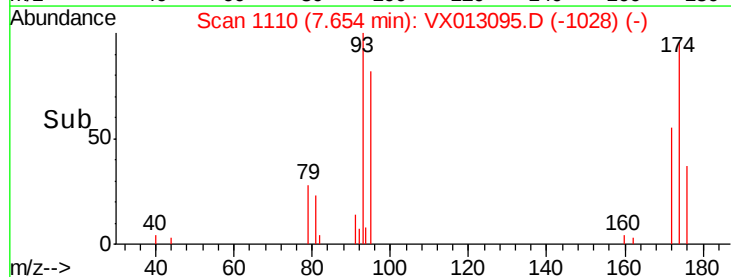
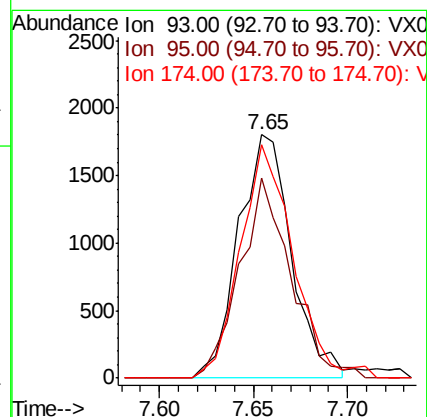
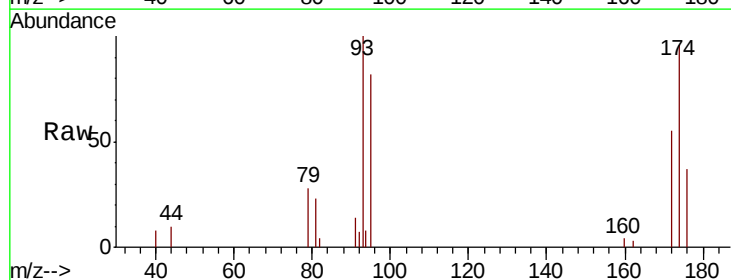
Tgt Ion: 93 Resp: 3516

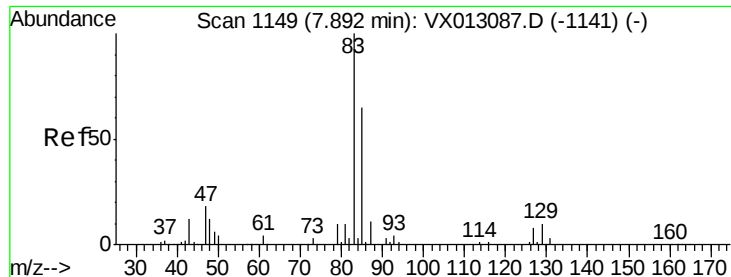
Ion Ratio Lower Upper

93 100

95 79.0 0.0 171.2

174 94.1 0.0 208.2





#41

Bromodichloromethane

Concen: 2.251 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

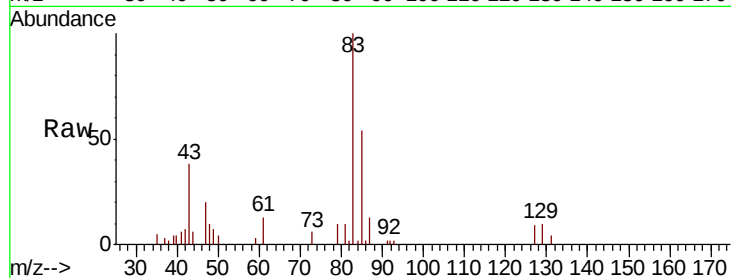
Tot Ion: 83 Resp: 6005

Ion Ratio Lower Upper

83 100

85 53.5 51.8 77.8

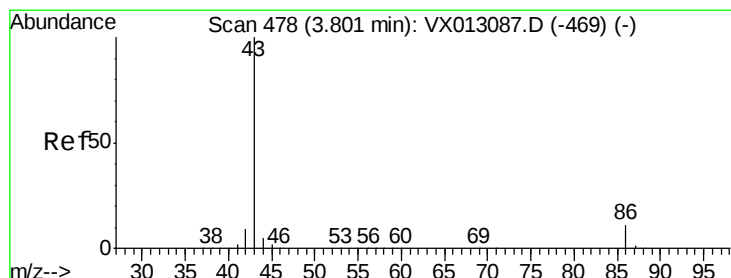
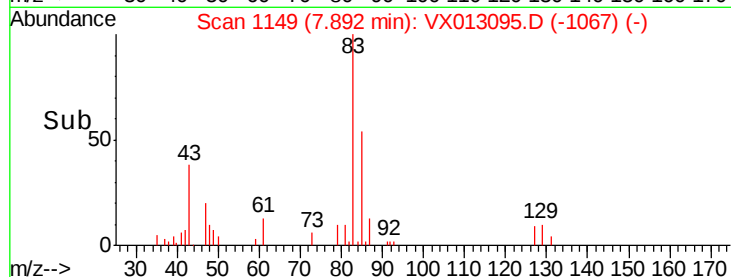
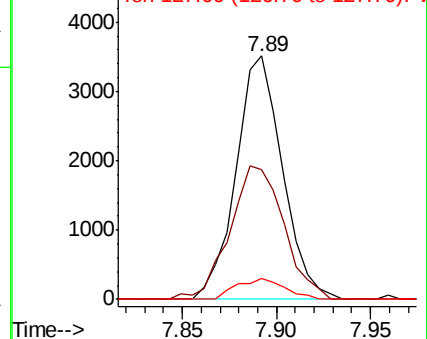
127 8.8 6.7 10.1



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: 11.784 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX013095.D

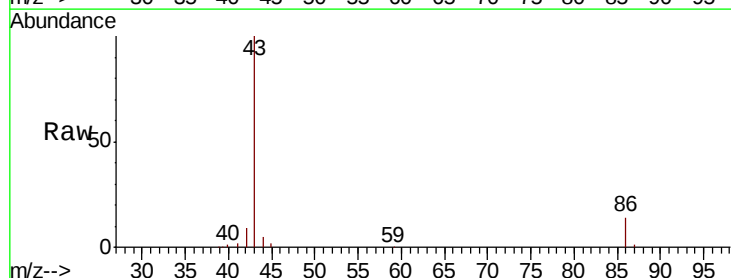
Acq: 16 Oct 2019 14:49

Tgt Ion: 43 Resp: 60308

Ion Ratio Lower Upper

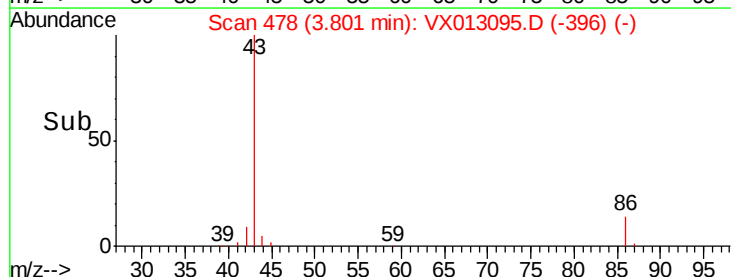
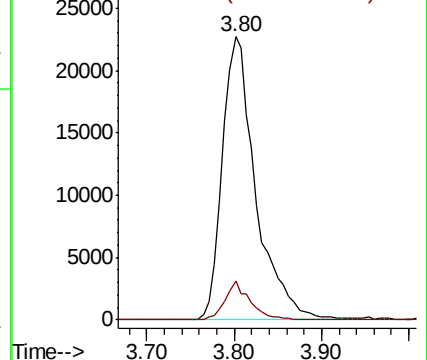
43 100

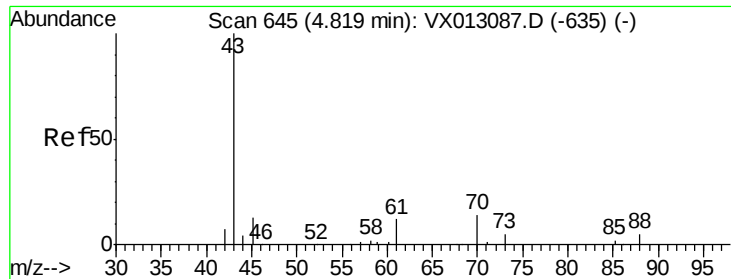
86 10.1 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#43

Ethyl Acetate

Concen: 2.062 ug/l

RT: 4.83 min Scan# 646

Delta R.T. 0.01 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

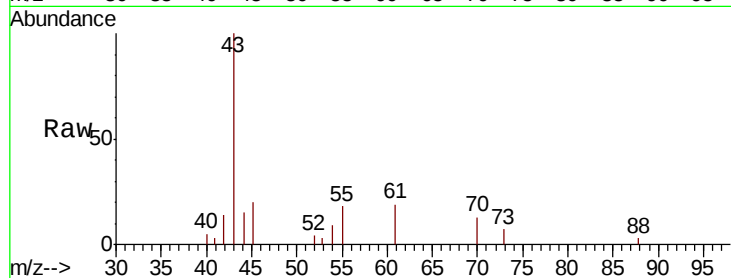
ClientSampled :

Tot Ion: 43 Resp: 5798

Ion Ratio Lower Upper

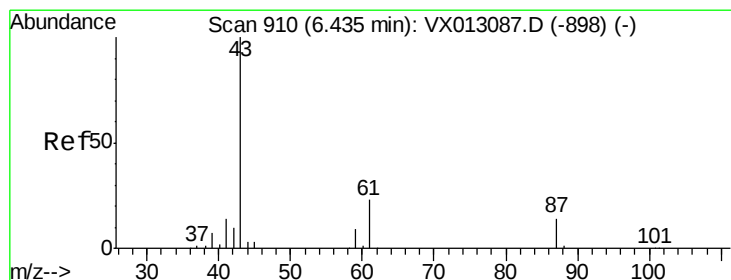
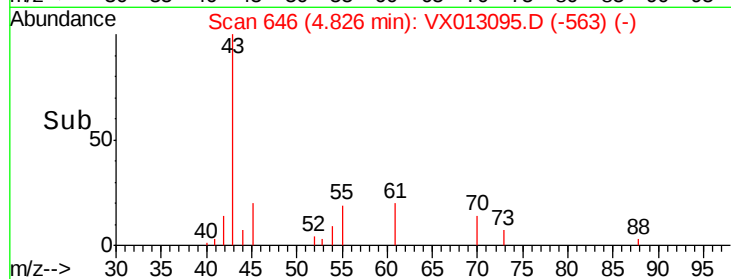
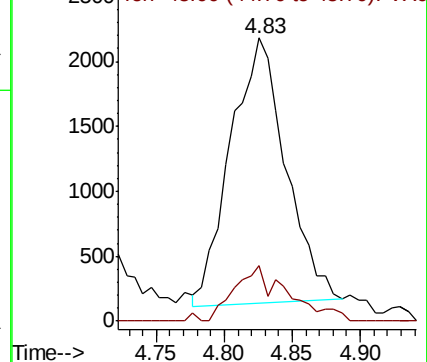
43 100

45 11.6 12.8 19.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#44

Isopropyl Acetate

Concen: 2.386 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX013095.D

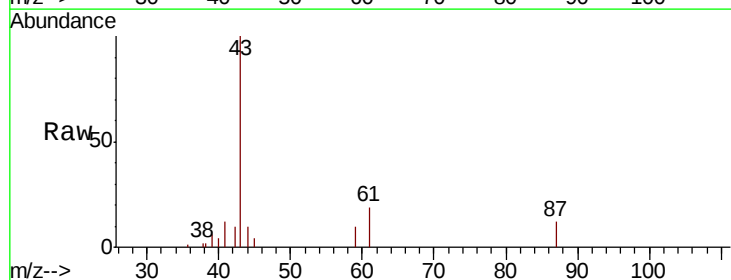
Acq: 16 Oct 2019 14:49

Tgt Ion: 43 Resp: 10821

Ion Ratio Lower Upper

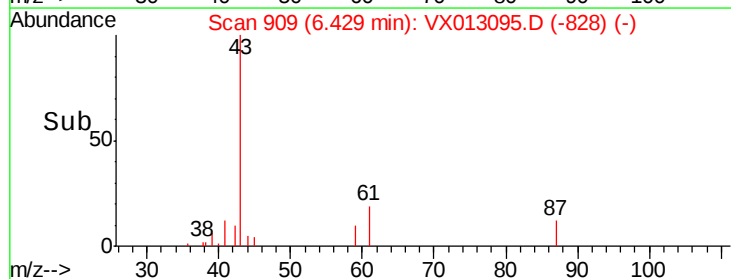
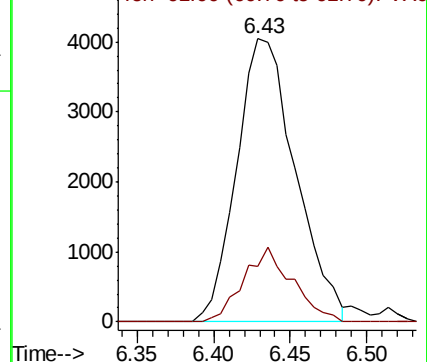
43 100

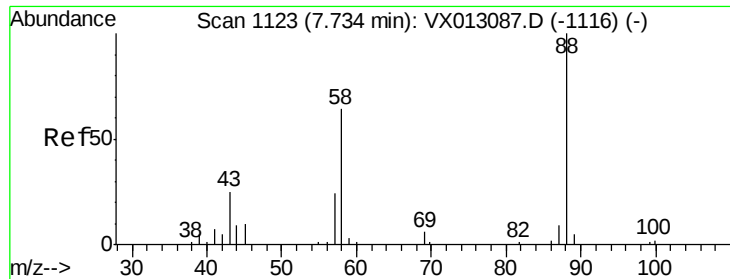
61 21.9 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

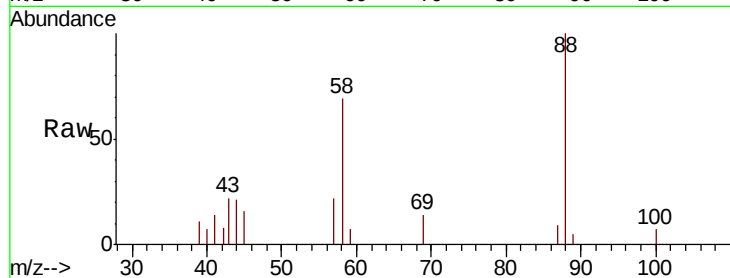




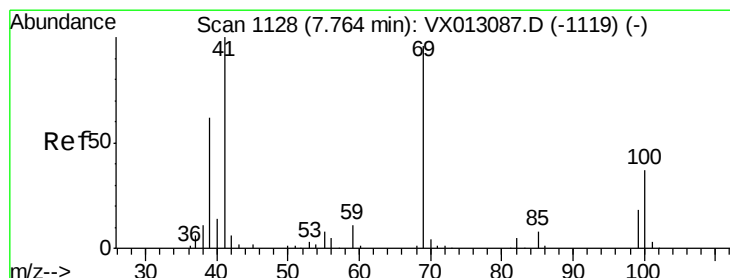
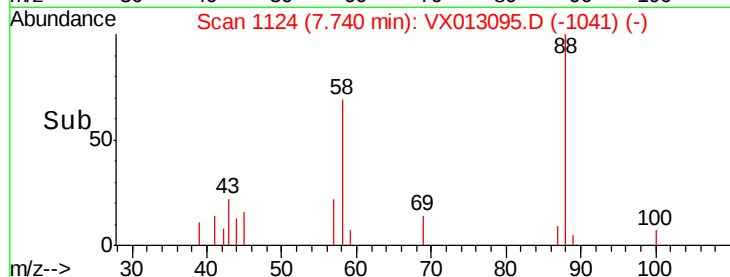
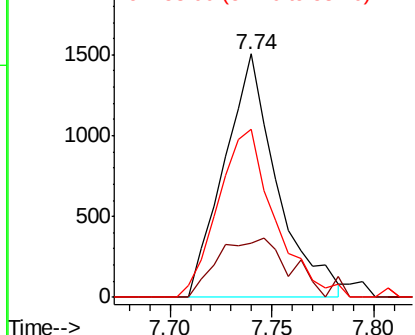
#45
1,4-Dioxane
Concen: 48.510 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 2704
Ion Ratio Lower Upper
88 100
43 13.0 26.0 39.0#
58 72.9 53.0 79.4

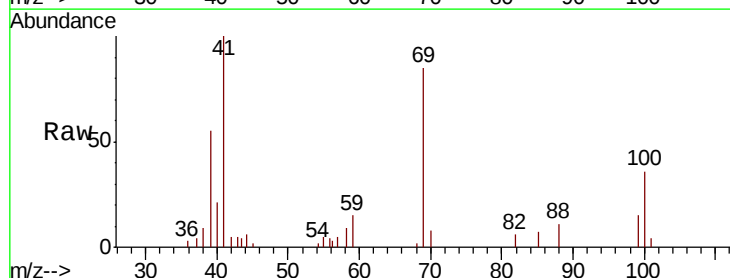


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

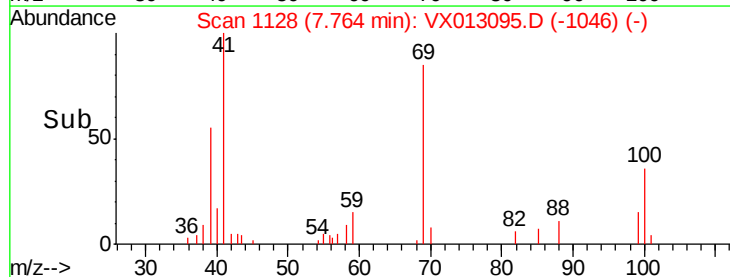
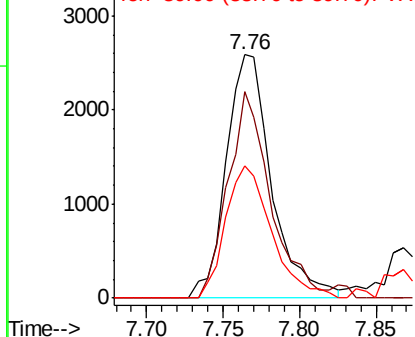


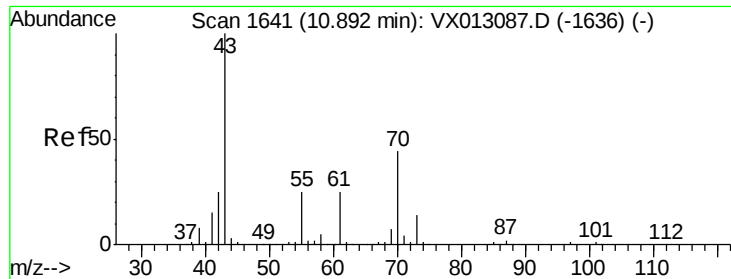
#46
Methyl methacrylate
Concen: 2.411 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

Tgt Ion: 41 Resp: 5345
Ion Ratio Lower Upper
41 100
69 85.0 48.1 144.3
39 54.5 31.2 93.6



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: 2.151 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

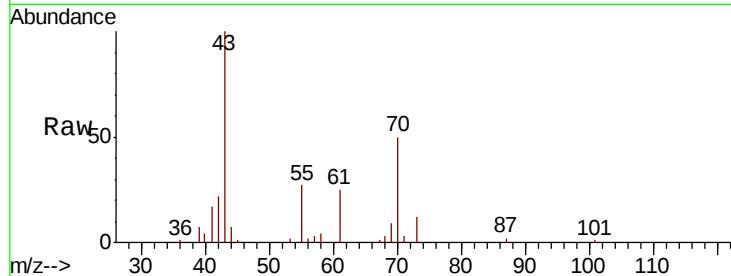
ClientSampleId :

Tot Ion: 43 Resp: 8307

Ion Ratio Lower Upper

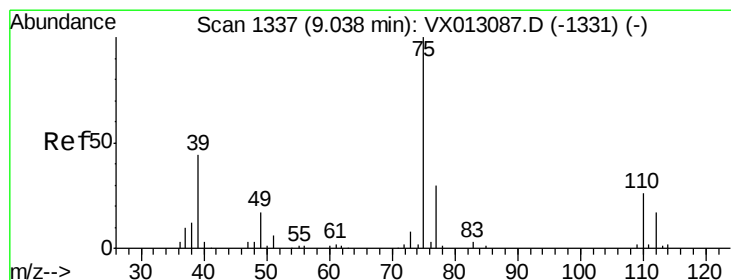
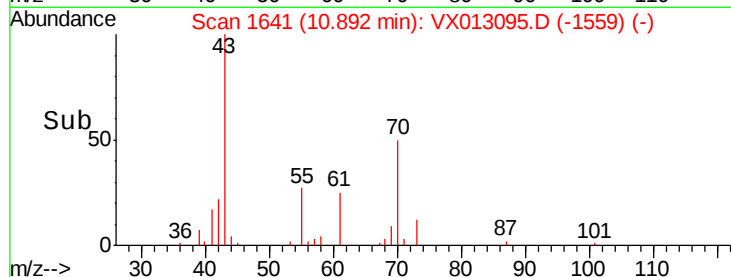
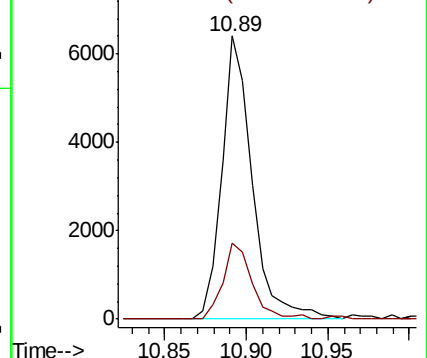
43 100

55 25.3 20.6 31.0



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: 2.081 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX013095.D

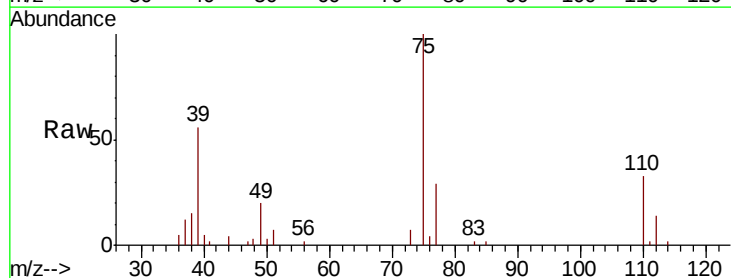
Acq: 16 Oct 2019 14:49

Tgt Ion: 75 Resp: 6143

Ion Ratio Lower Upper

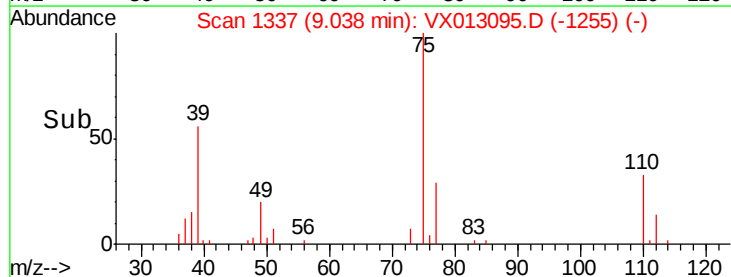
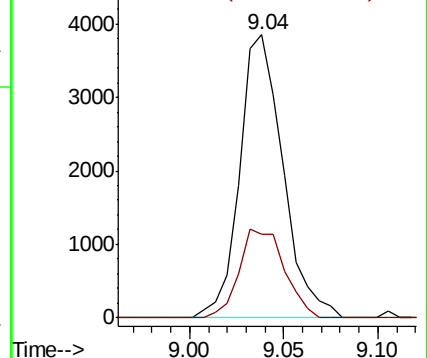
75 100

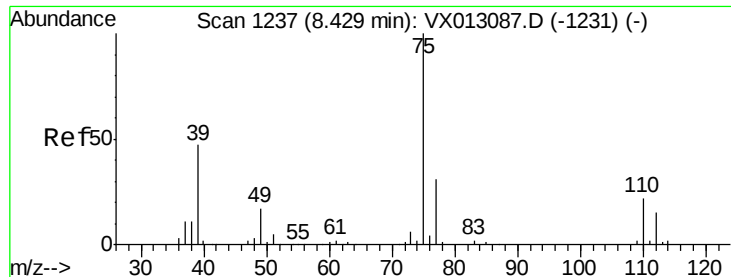
77 29.4 23.7 35.5



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

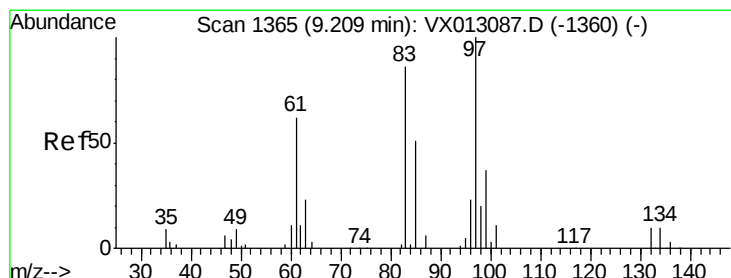
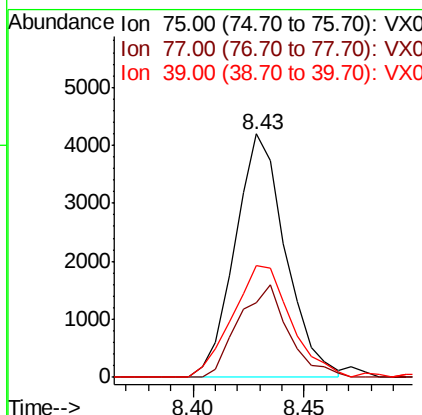
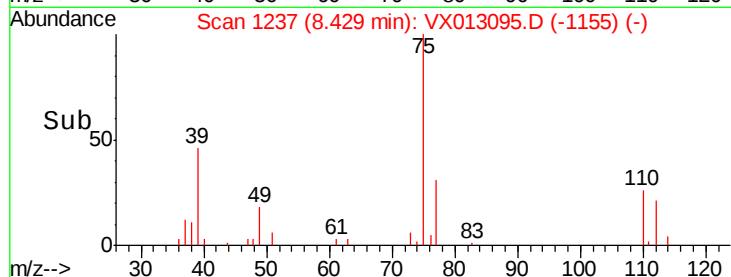
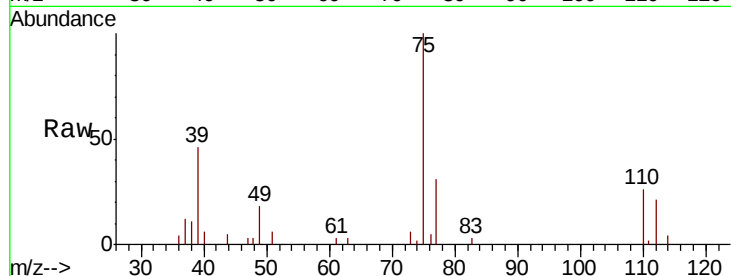




#49
 cis-1,3-Dichloropropene
 Concen: 2.038 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX013095.D
 Acq: 16 Oct 2019 14:49

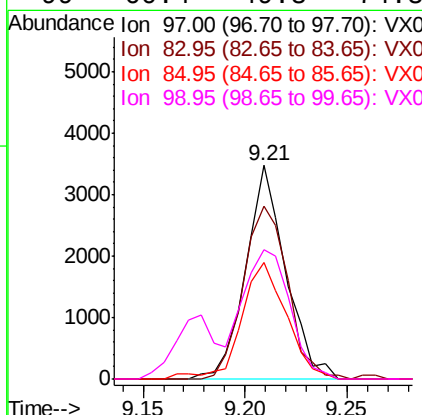
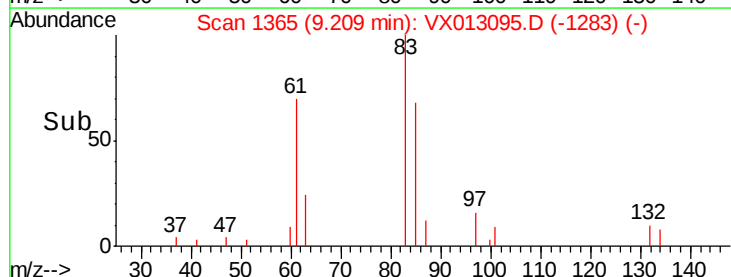
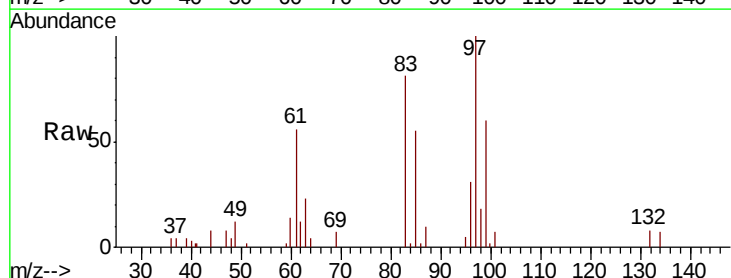
Instrument :
 MSVOA_X
 ClientSampled :

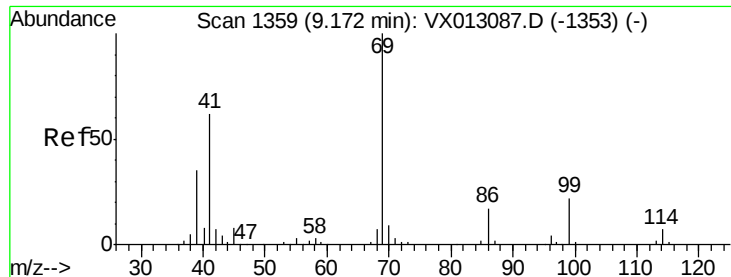
Tot Ion: 75 Resp: 6637
 Ion Ratio Lower Upper
 75 100
 77 30.7 24.7 37.1
 39 45.8 37.4 56.0



#50
 1,1,2-Trichloroethane
 Concen: 2.344 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX013095.D
 Acq: 16 Oct 2019 14:49

Tgt Ion: 97 Resp: 4752
 Ion Ratio Lower Upper
 97 100
 83 80.7 68.1 102.1
 85 54.6 42.6 64.0
 99 60.4 49.8 74.8





#51

Ethyl methacrylate

Concen: 2.202 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

ClientSampled :

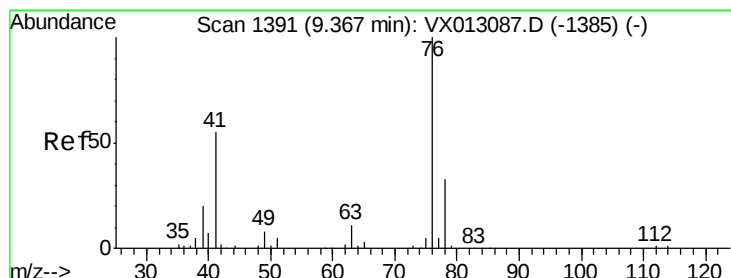
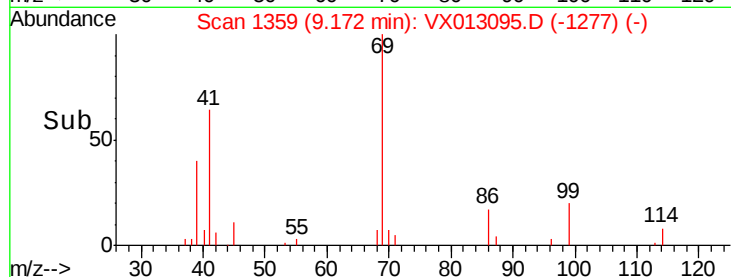
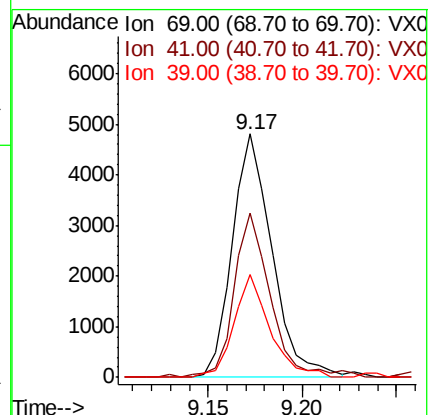
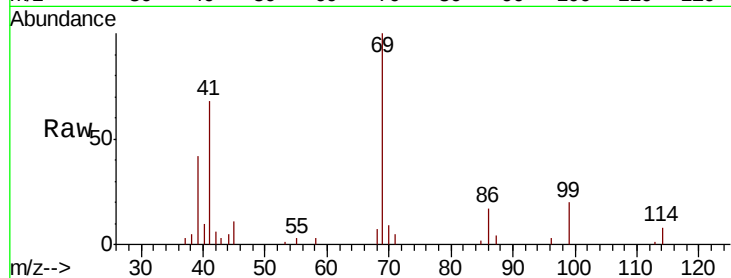
Tot Ion: 69 Resp: 7020

Ion Ratio Lower Upper

69 100

41 66.3 31.1 93.3

39 42.1 17.6 52.9



#52

1,3-Dichloropropane

Concen: 2.382 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX013095.D

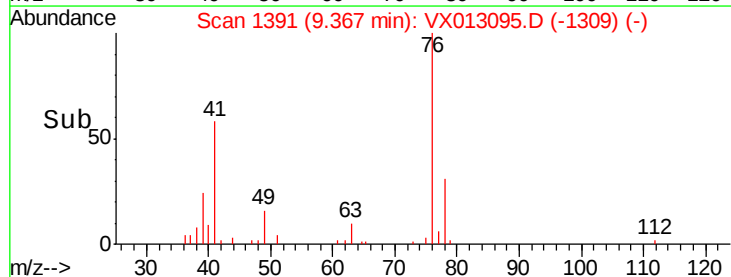
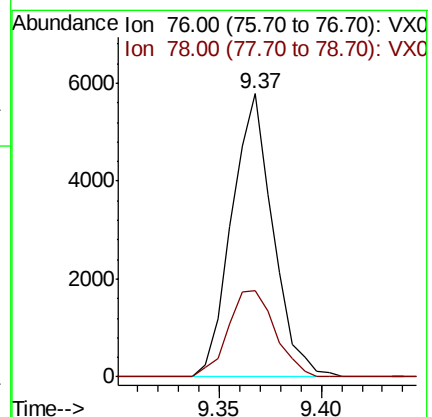
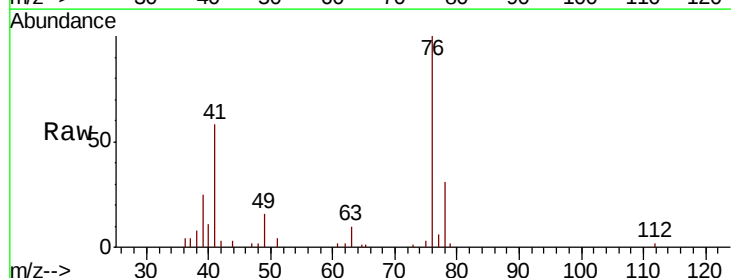
Acq: 16 Oct 2019 14:49

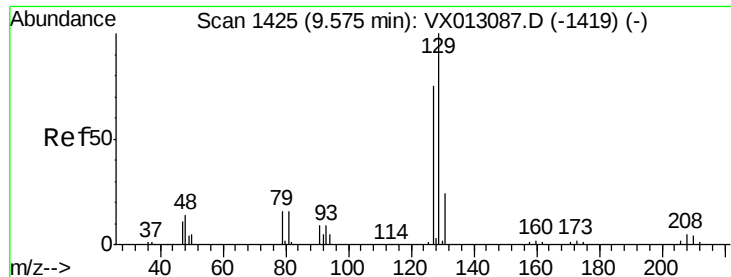
Tgt Ion: 76 Resp: 8105

Ion Ratio Lower Upper

76 100

78 34.9 0.0 64.2





#53

Dibromochloromethane

Concen: 1.982 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.01 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

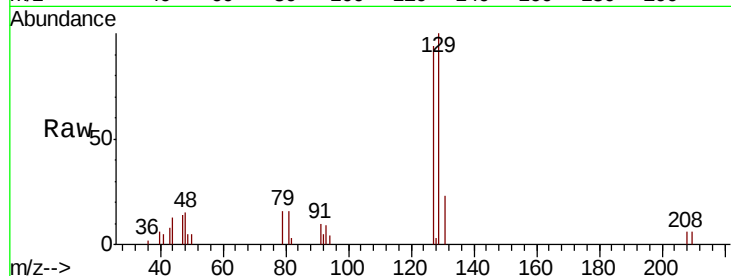
ClientSampleId :

Tot Ion:129 Resp: 4127

Ion Ratio Lower Upper

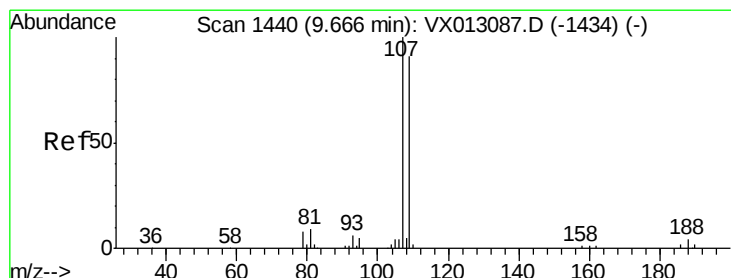
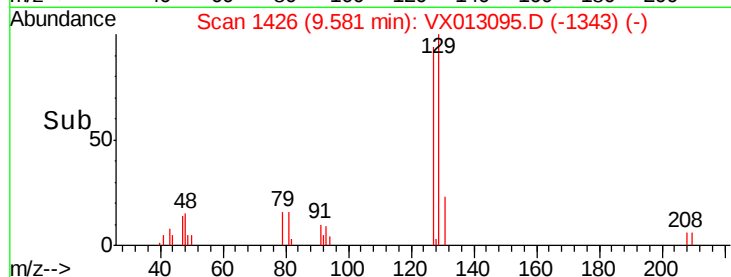
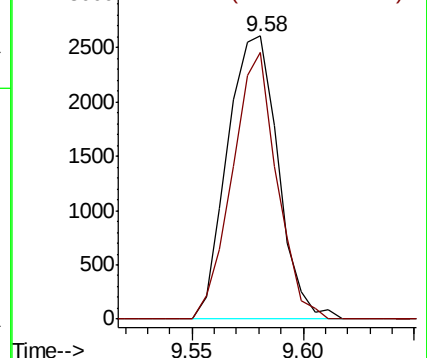
129 100

127 83.1 38.0 113.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 2.419 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX013095.D

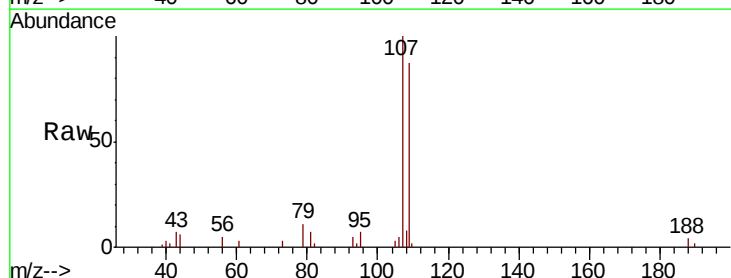
Acq: 16 Oct 2019 14:49

Tgt Ion:107 Resp: 5158

Ion Ratio Lower Upper

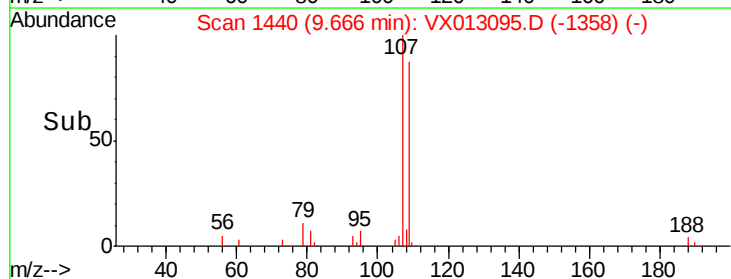
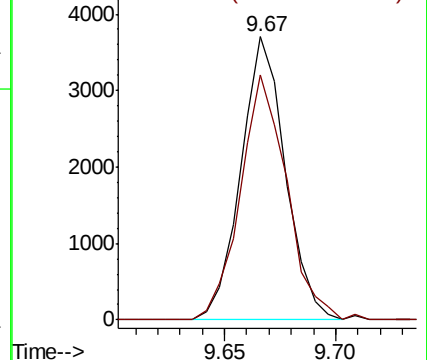
107 100

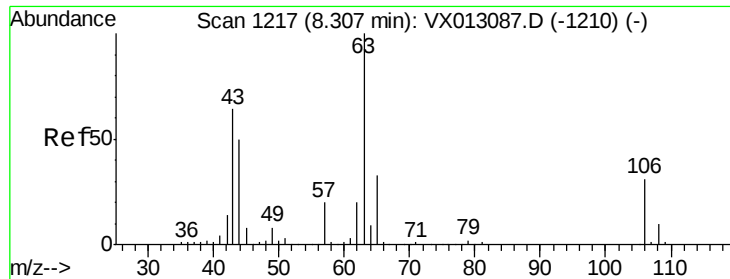
109 89.7 73.6 110.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

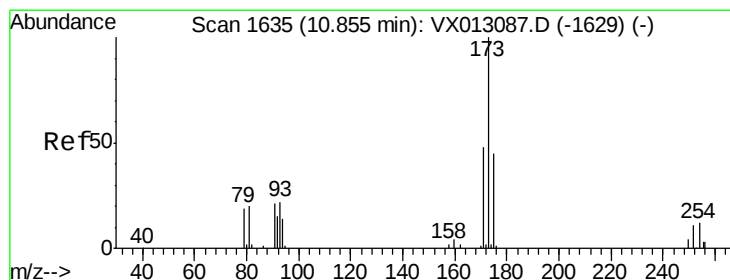
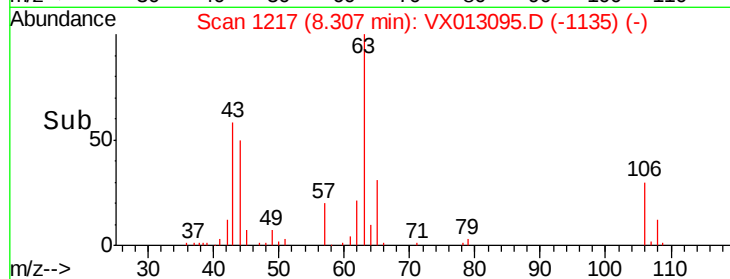
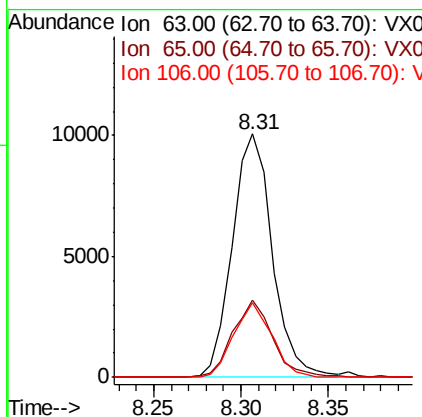
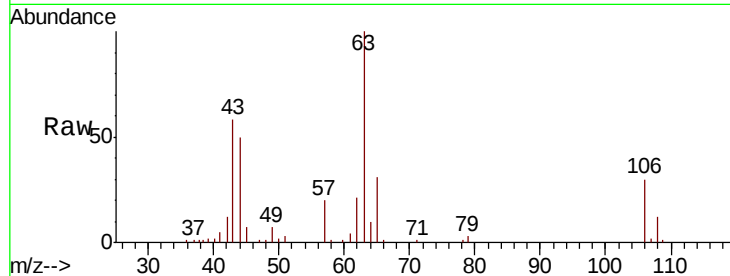




#55
2-Chloroethyl vinyl ether
Concen: 11.445 ug/l
RT: 8.31 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

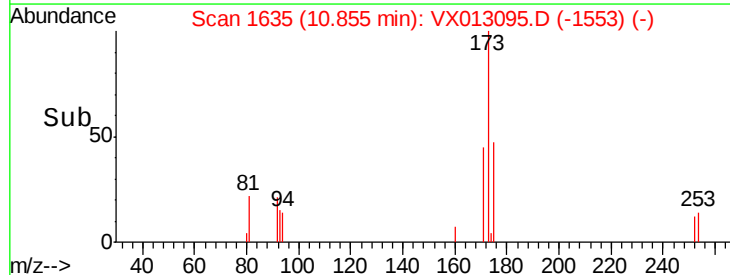
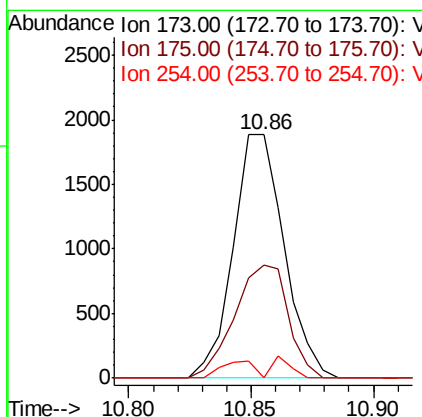
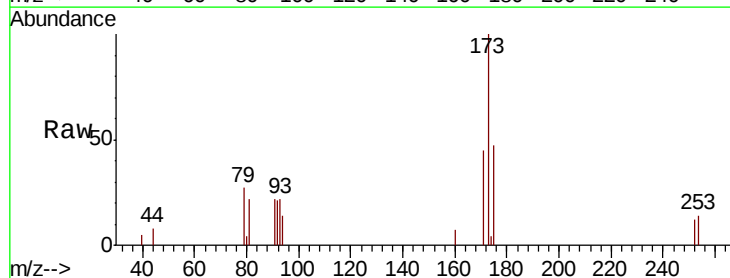
Instrument :
MSVOA_X
ClientSampled :

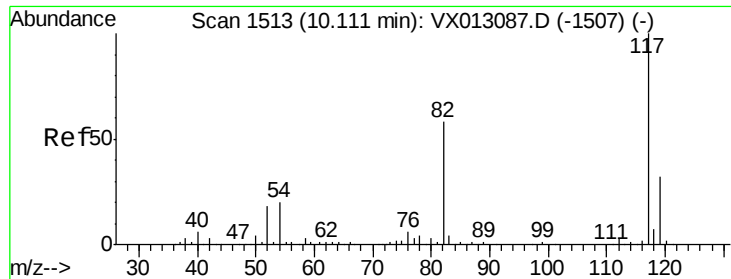
Tot Ion: 63 Resp: 16054
Ion Ratio Lower Upper
63 100
65 31.4 25.9 38.9
106 29.1 24.3 36.5



#56
Bromoform
Concen: 1.887 ug/l
RT: 10.86 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

Tgt Ion: 173 Resp: 2733
Ion Ratio Lower Upper
173 100
175 48.8 37.8 56.8
254 3.3 7.9 11.9#

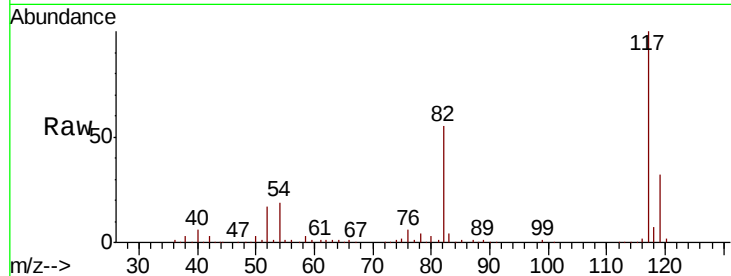




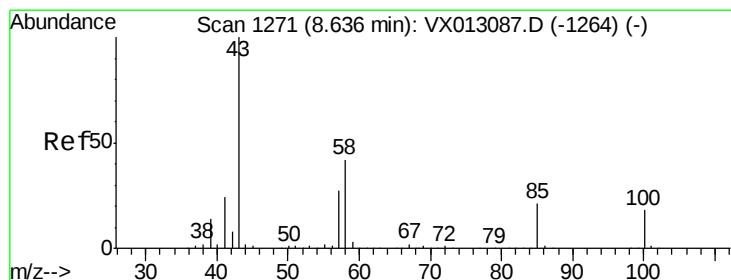
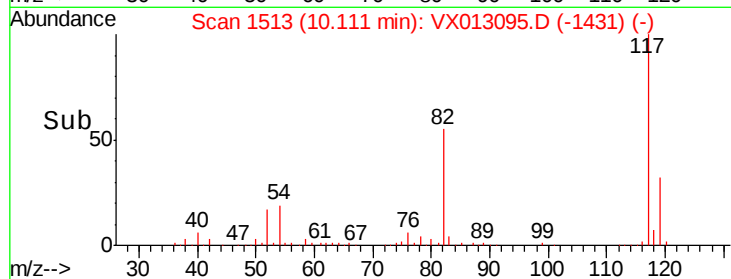
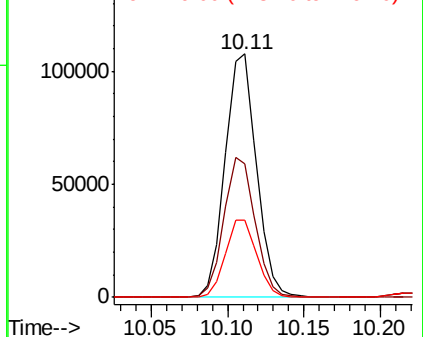
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 153249
Ion Ratio Lower Upper
117 100
82 57.6 46.7 70.1
119 32.1 25.8 38.6

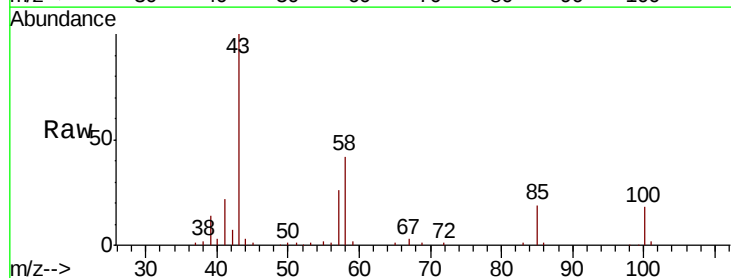


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

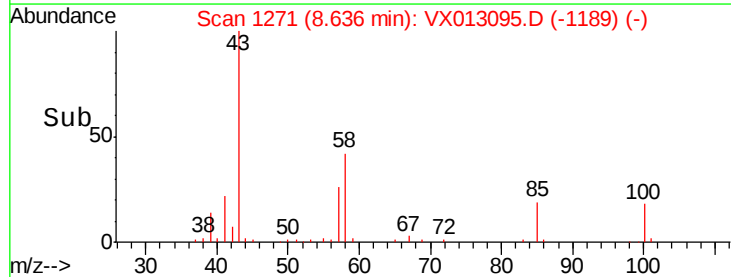
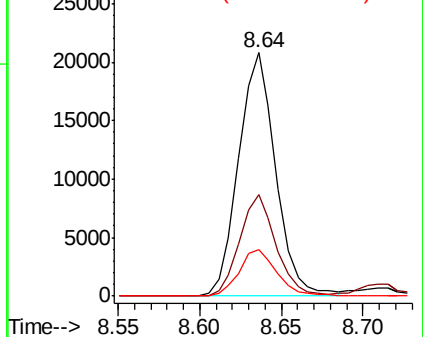


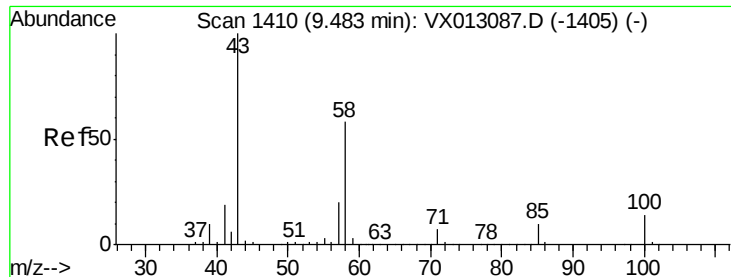
#58
4-Methyl-2-Pentanone
Concen: 11.811 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

Tgt Ion: 43 Resp: 32935
Ion Ratio Lower Upper
43 100
58 40.7 33.0 49.4
85 19.2 16.0 24.0



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

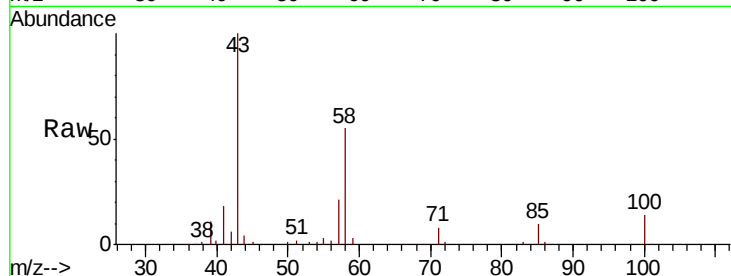




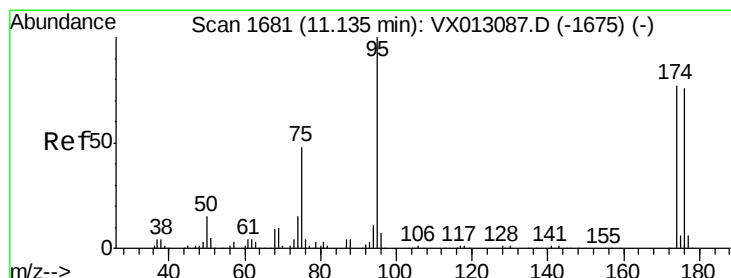
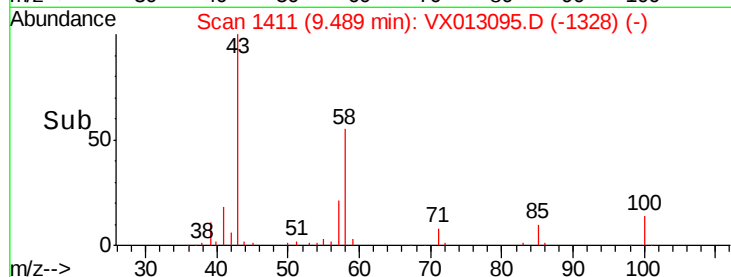
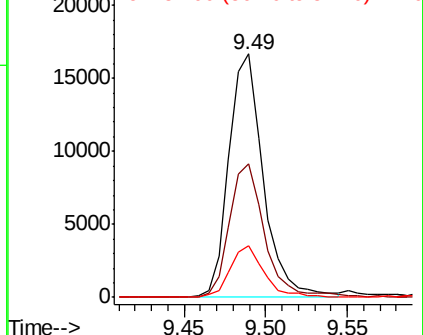
#59
2-Hexanone
Concen: 11.276 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 24537
Ion Ratio Lower Upper
43 100
58 56.1 45.4 68.2
57 20.9 16.2 24.2

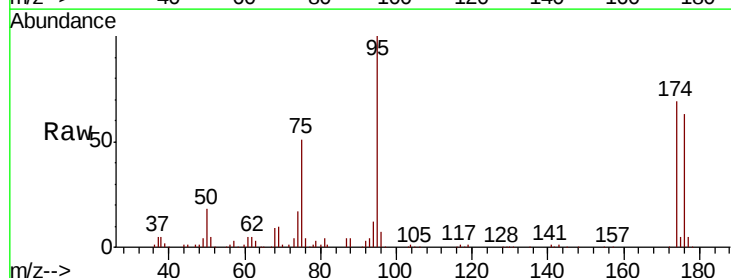


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

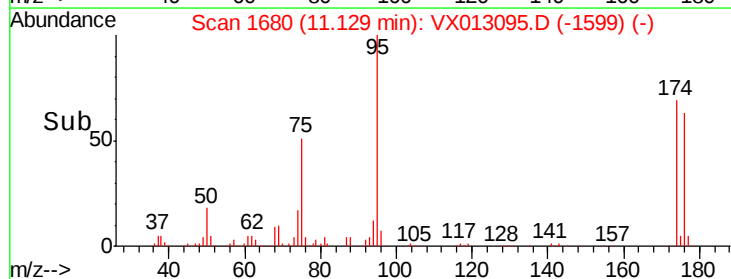
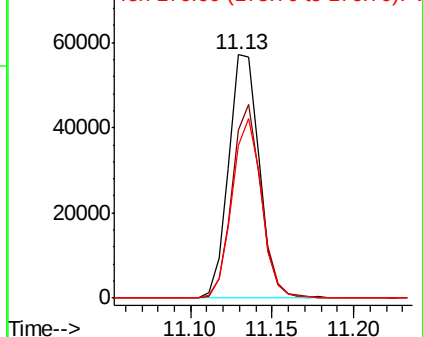


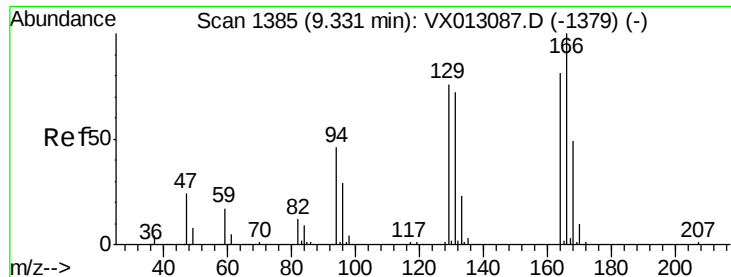
#60
4-Bromofluorobenzene
Concen: 27.972 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

Tgt Ion: 95 Resp: 75035
Ion Ratio Lower Upper
95 100
174 74.5 58.8 88.2
176 71.4 56.6 84.8



Abundance Ion 95.00 (94.70 to 95.70): VX0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#61

Tetrachloroethene

Concen: 2.617 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164 Resp: 5109

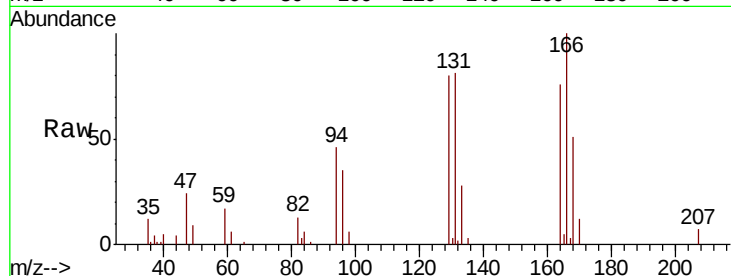
Ion Ratio Lower Upper

164 100

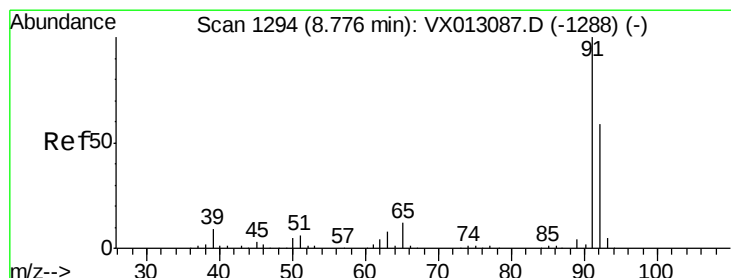
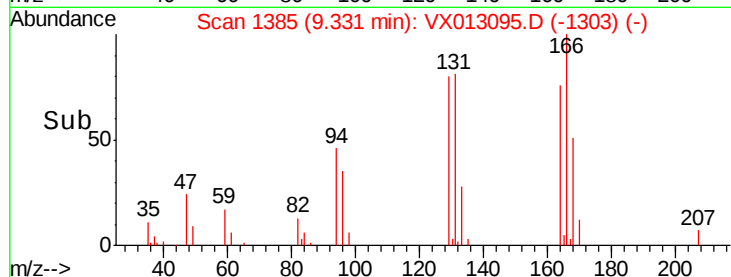
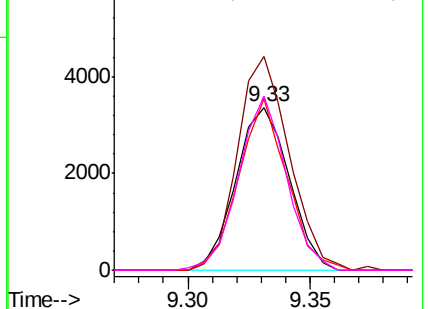
166 131.2 98.4 147.6

129 105.6 75.2 112.8

131 106.7 70.4 105.6#



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: 2.555 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX013095.D

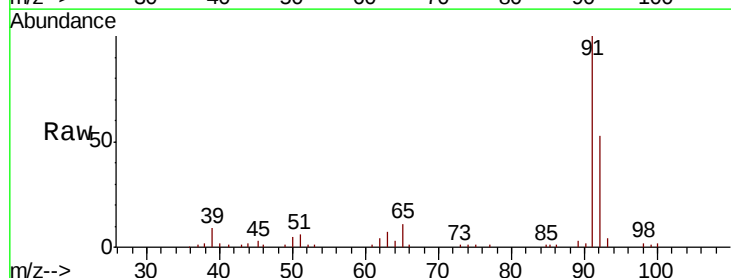
Acq: 16 Oct 2019 14:49

Tgt Ion: 91 Resp: 21280

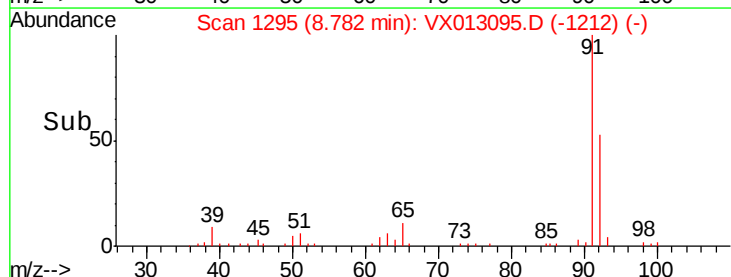
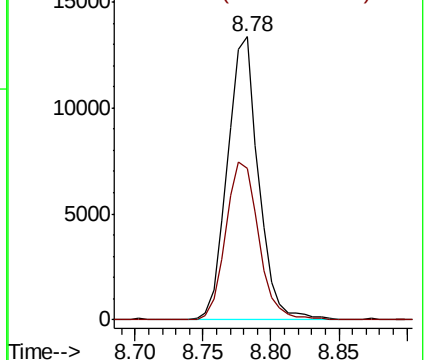
Ion Ratio Lower Upper

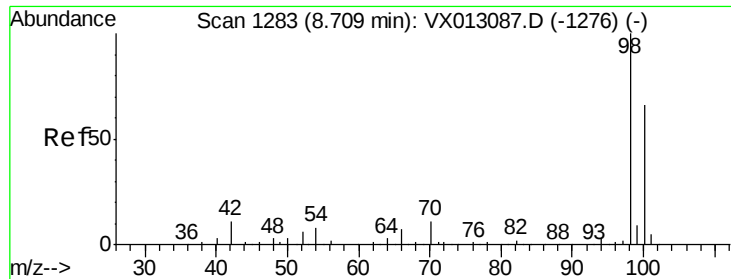
91 100

92 58.4 47.6 71.4



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0

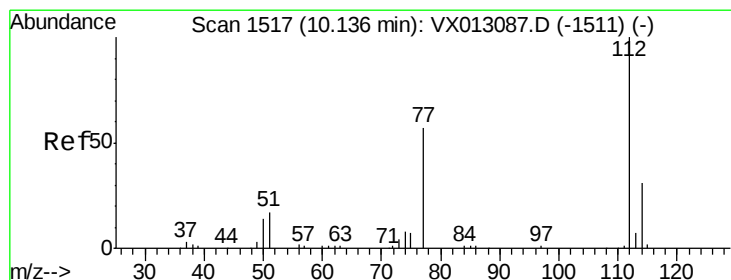
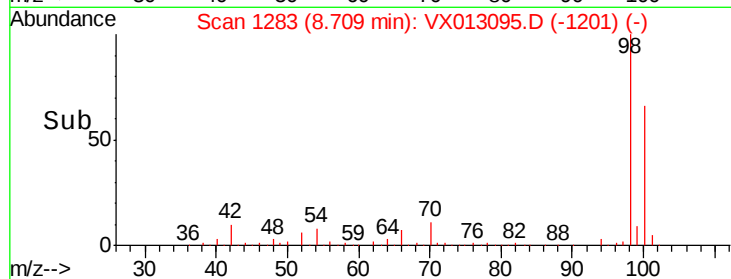
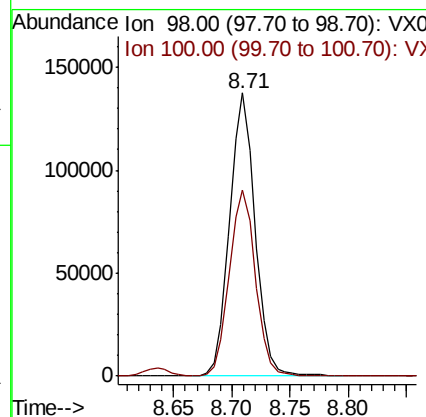
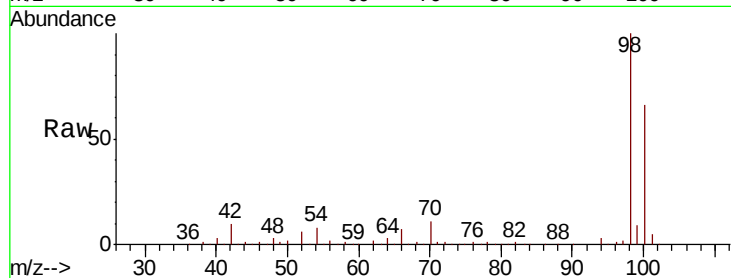




#63
Toluene-d8
Concen: 30.002 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

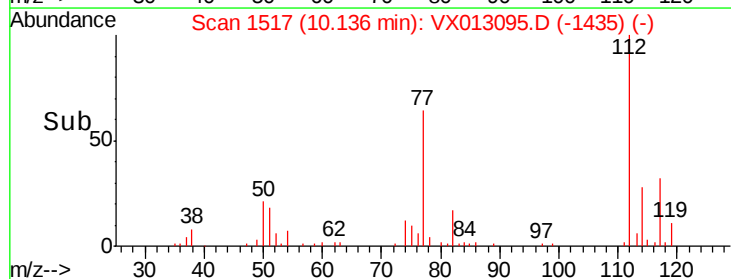
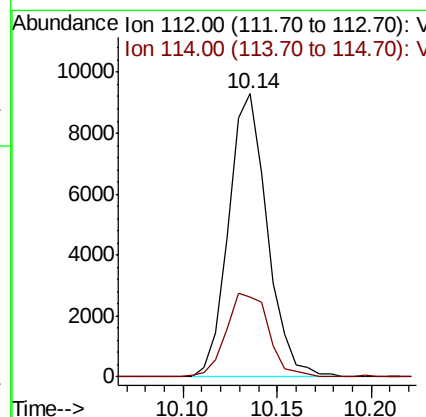
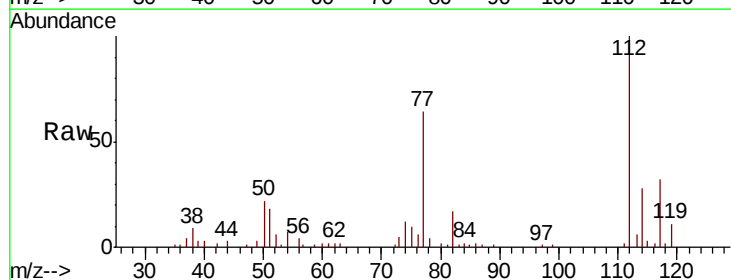
Instrument :
MSVOA_X
ClientSampleId :

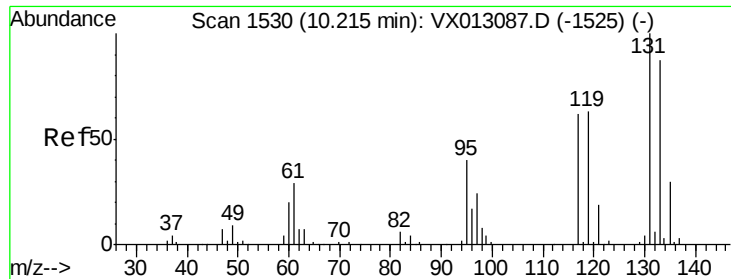
Tot Ion: 98 Resp: 209761
Ion Ratio Lower Upper
98 100
100 66.9 53.8 80.6



#64
Chlorobenzene
Concen: 2.497 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

Tgt Ion: 112 Resp: 13218
Ion Ratio Lower Upper
112 100
114 28.2 25.2 37.8





#65

1,1,1,2-Tetrachloroethane

Concen: 2.325 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

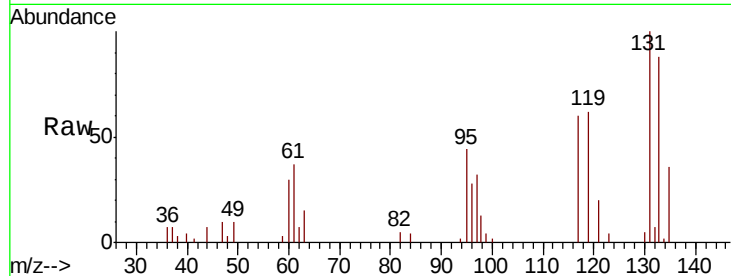
Tot Ion:131 Resp: 4519

Ion Ratio Lower Upper

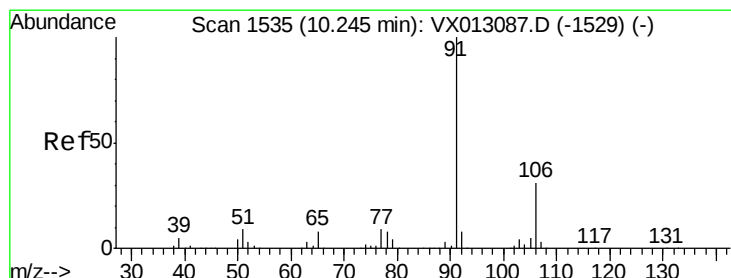
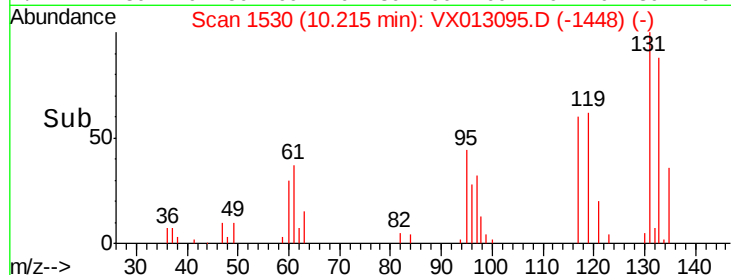
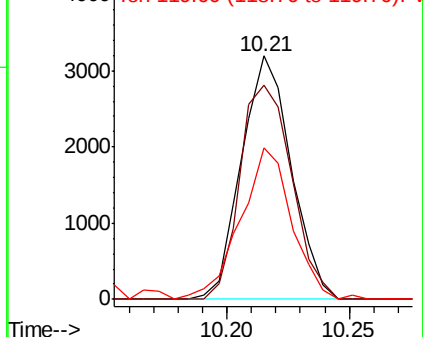
131 100

133 91.6 0.0 187.8

119 63.7 0.0 128.4



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: 2.438 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX013095.D

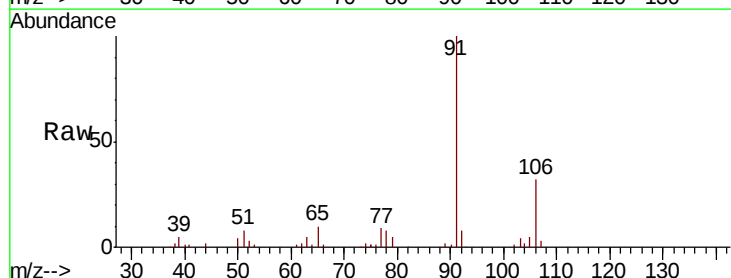
Acq: 16 Oct 2019 14:49

Tgt Ion: 91 Resp: 23174

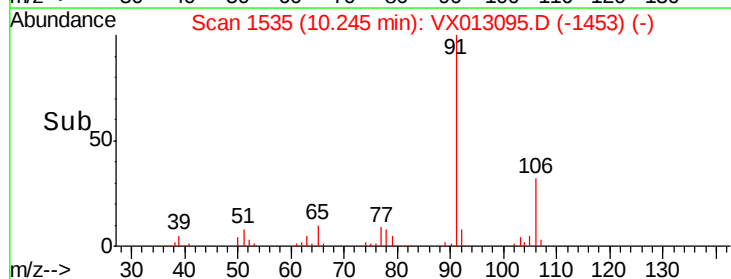
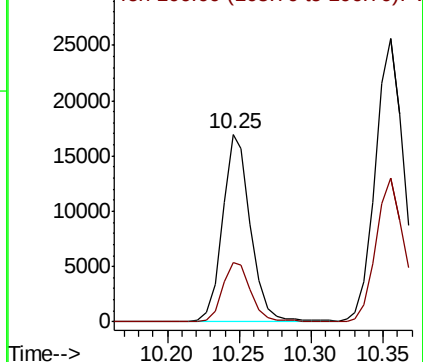
Ion Ratio Lower Upper

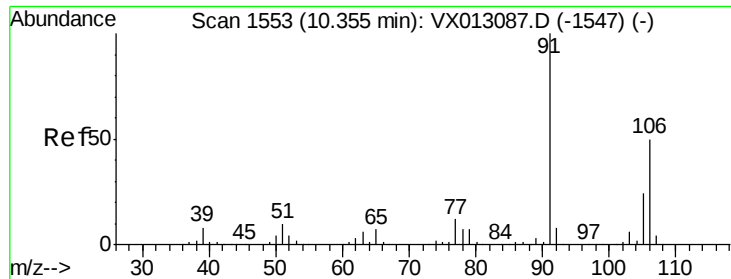
91 100

106 31.6 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V

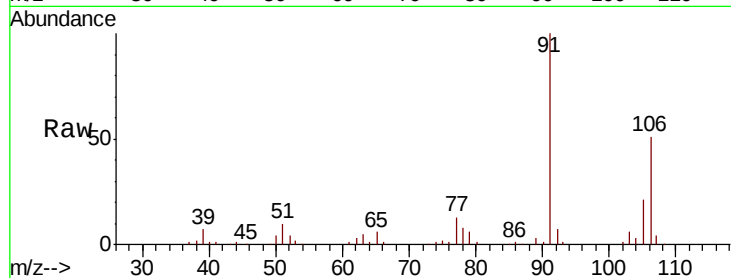




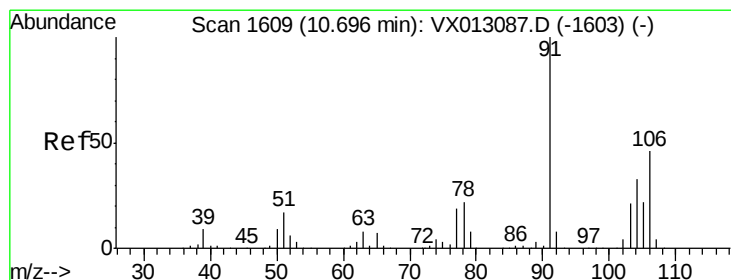
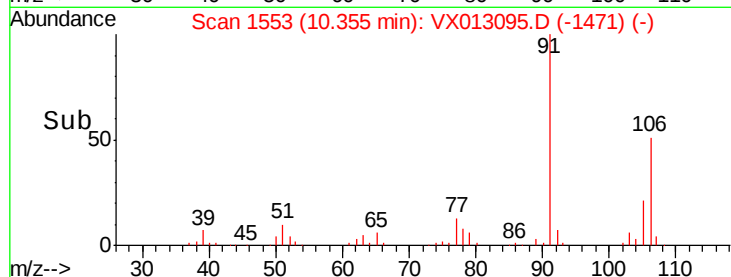
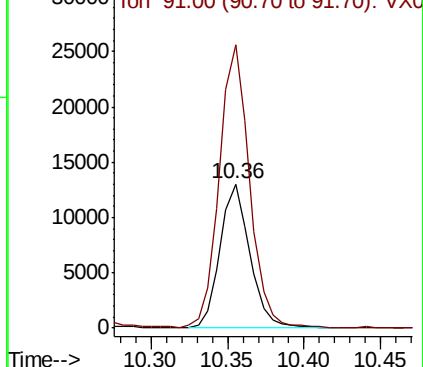
#67
m/p-Xylenes
Concen: 4.964 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:106 Resp: 17751
Ion Ratio Lower Upper
106 100
91 198.8 162.6 243.8

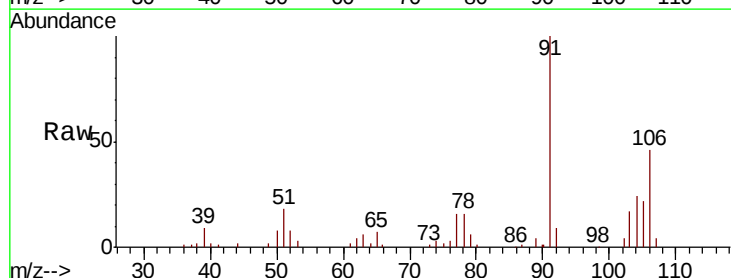


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

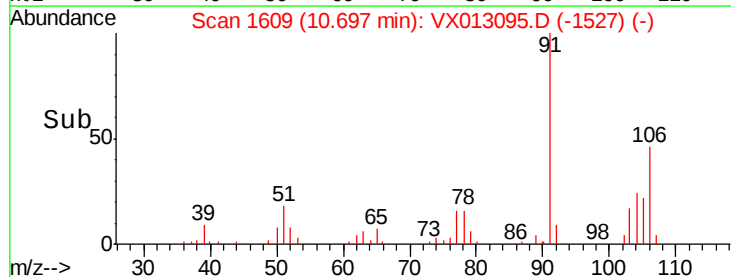
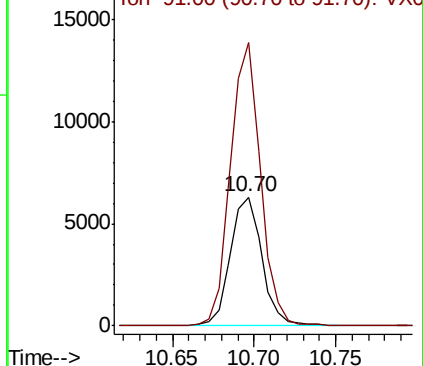


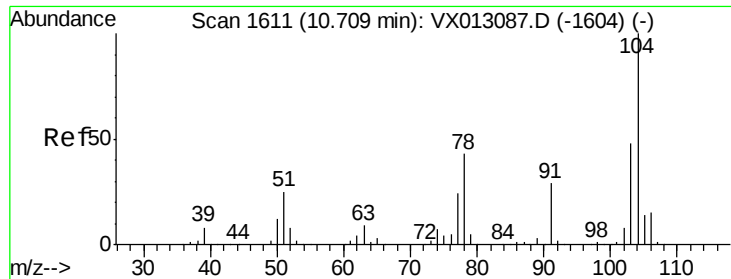
#68
o-Xylene
Concen: 2.442 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

Tgt Ion:106 Resp: 8503
Ion Ratio Lower Upper
106 100
91 207.6 109.1 327.3



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

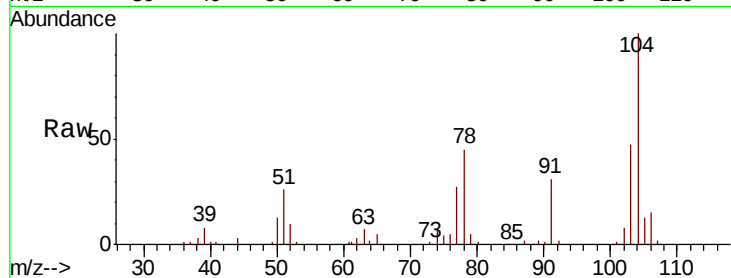




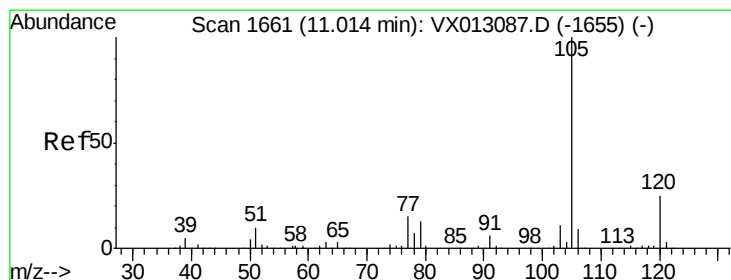
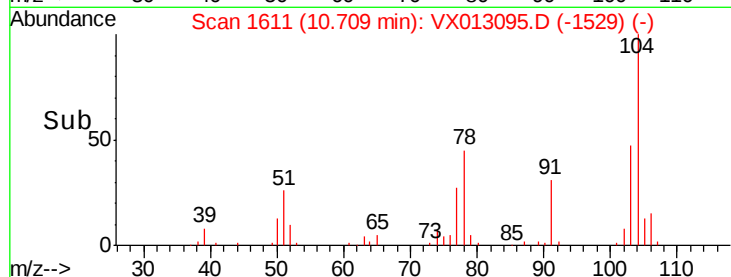
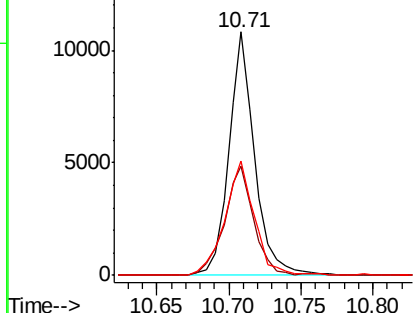
#69
Stvrene
Concen: 2.266 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:104 Resp: 13584
Ion Ratio Lower Upper
104 100
78 50.7 41.0 61.4
103 53.6 42.8 64.2

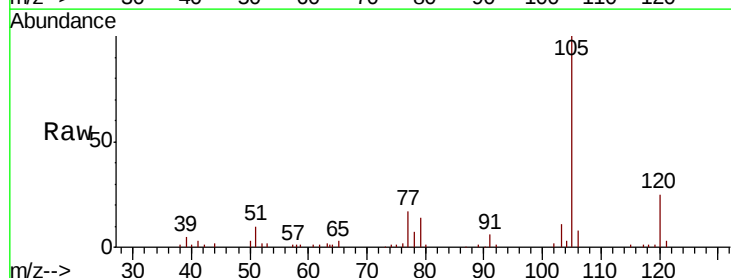


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

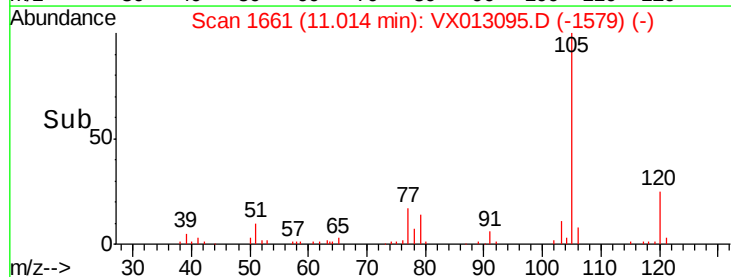
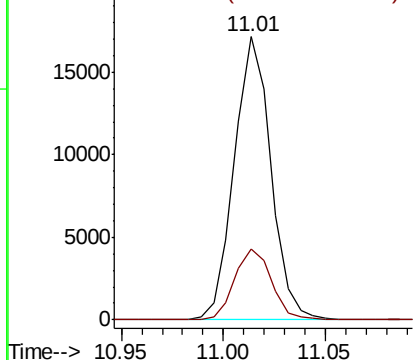


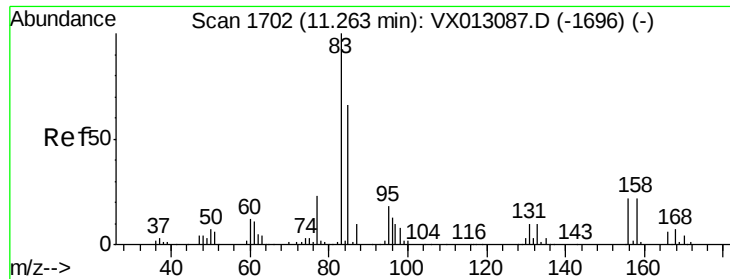
#70
Isopropylbenzene
Concen: 2.296 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

Tgt Ion:105 Resp: 21357
Ion Ratio Lower Upper
105 100
120 25.3 17.9 33.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

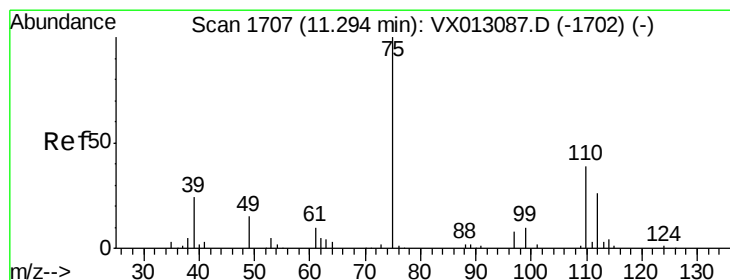
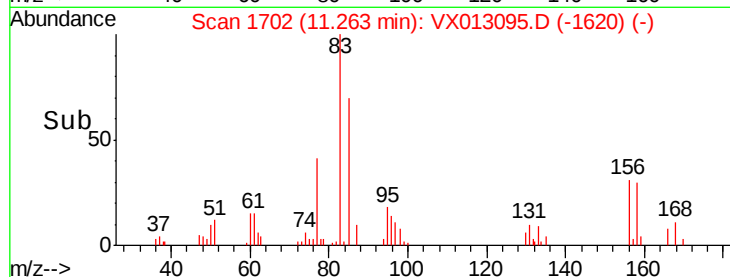
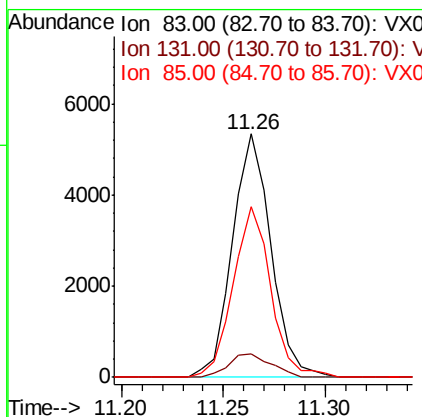
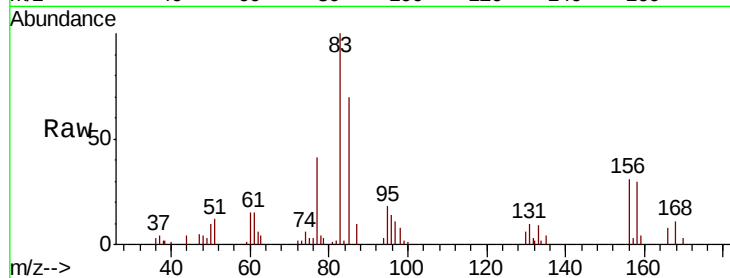




#71
 1,1,2,2-Tetrachloroethane
 Concen: 2.315 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VX013095.D
 Acq: 16 Oct 2019 14:49

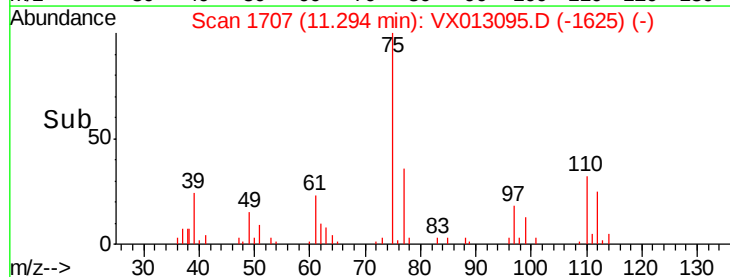
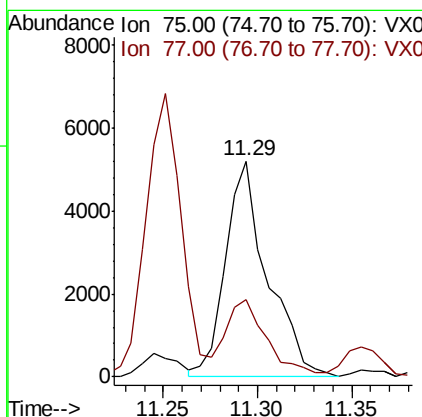
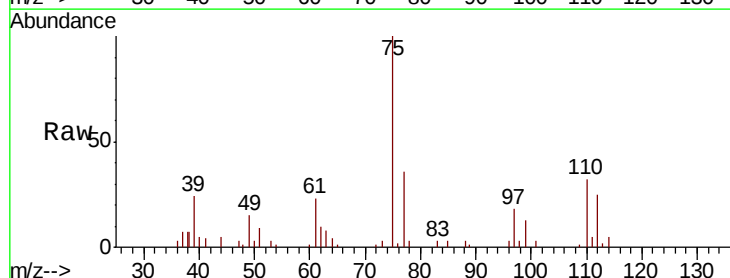
Instrument :
 MSVOA_X
 ClientSampleId :

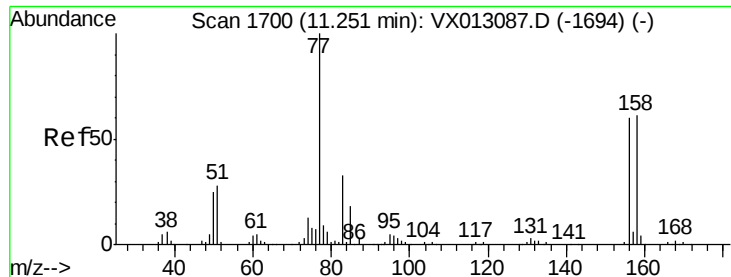
Tot Ion: 83 Resp: 7007
 Ion Ratio Lower Upper
 83 100
 131 10.6 4.9 14.6
 85 68.3 31.9 95.9



#72
 1,2,3-Trichloropropane
 Concen: 3.198 ug/l
 RT: 11.29 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VX013095.D
 Acq: 16 Oct 2019 14:49

Tgt Ion: 75 Resp: 8049
 Ion Ratio Lower Upper
 75 100
 77 34.4 0.0 87.8





#73

Bromobenzene

Concen: 2.604 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

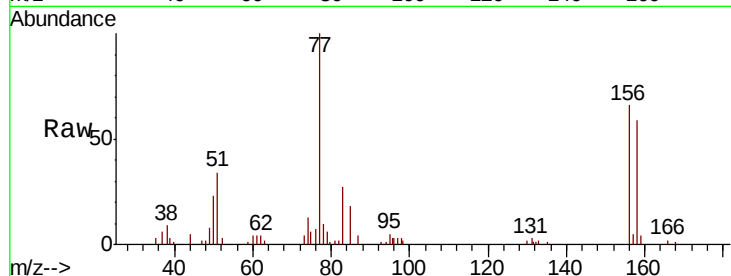
Tot Ion:156 Resp: 5776

Ion Ratio Lower Upper

156 100

77 156.6 0.0 344.0

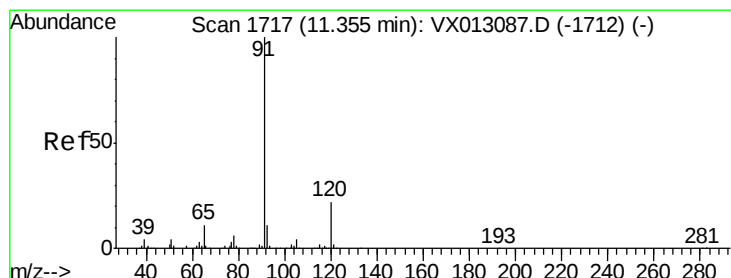
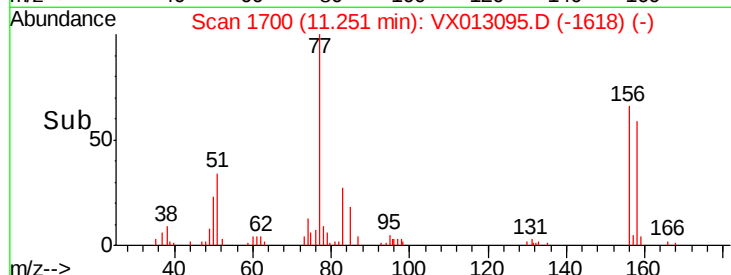
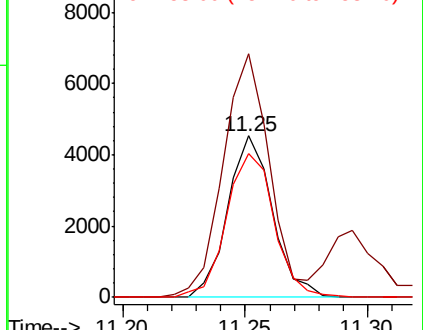
158 95.2 0.0 195.6



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



#74

n-propylbenzene

Concen: 2.313 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013095.D

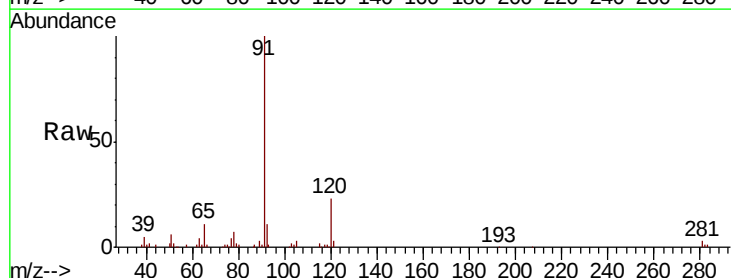
Acq: 16 Oct 2019 14:49

Tgt Ion: 91 Resp: 24028

Ion Ratio Lower Upper

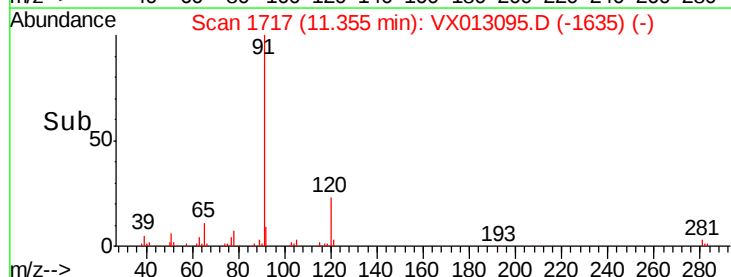
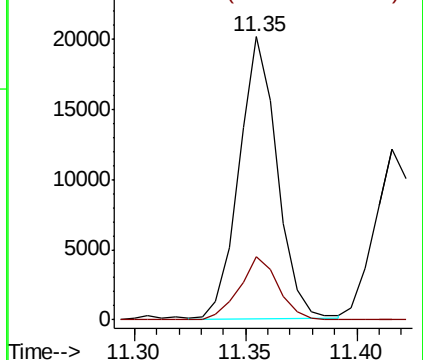
91 100

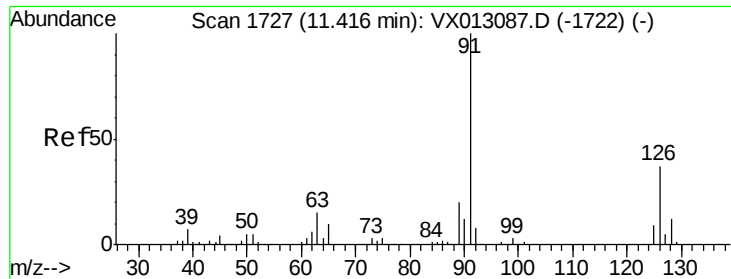
120 22.6 0.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

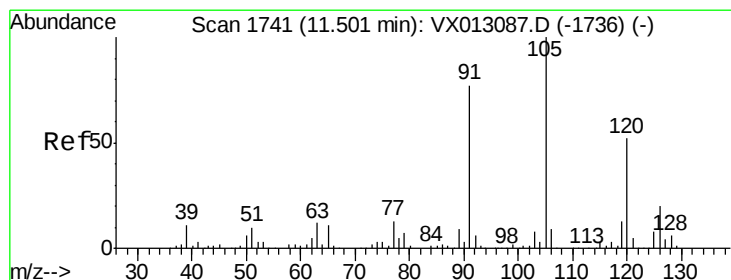
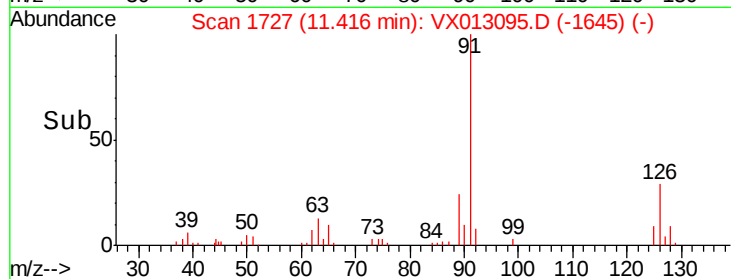
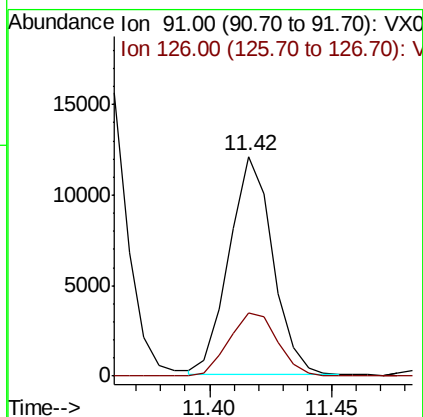
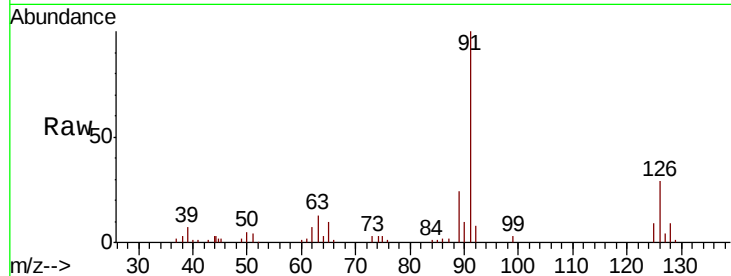




#75
 2-Chlorotoluene
 Concen: 2.350 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX013095.D
 Acq: 16 Oct 2019 14:49

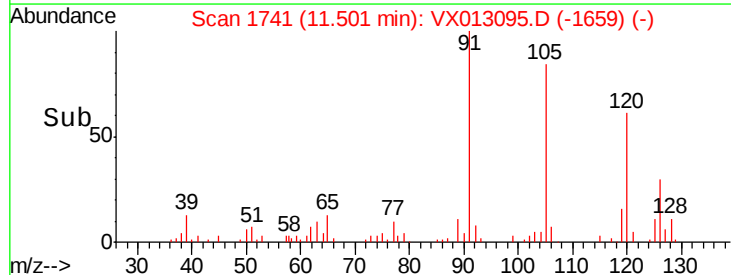
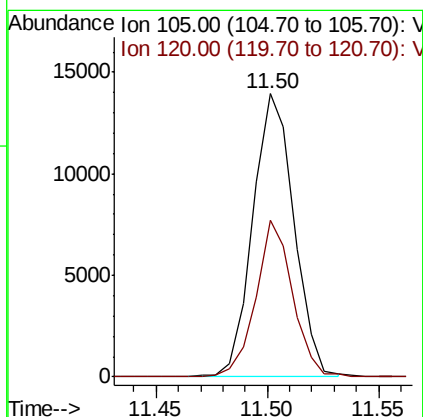
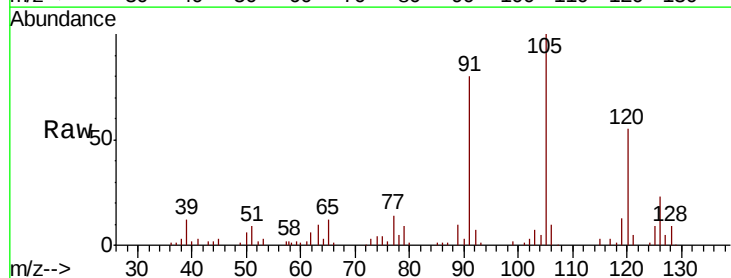
Instrument :
 MSVOA_X
 ClientSampleId :

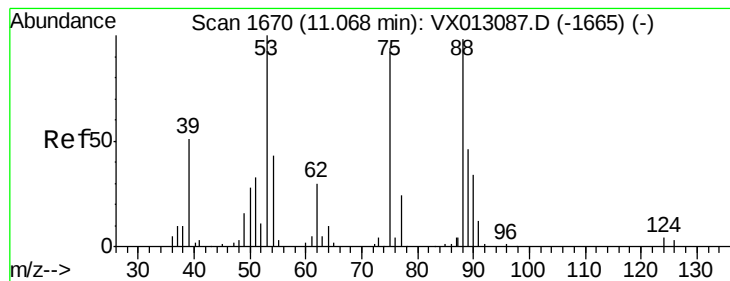
Tot Ion: 91 Resp: 14956
 Ion Ratio Lower Upper
 91 100
 126 32.6 0.0 66.0



#76
 1,3,5-Trimethylbenzene
 Concen: 2.272 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX013095.D
 Acq: 16 Oct 2019 14:49

Tgt Ion: 105 Resp: 17983
 Ion Ratio Lower Upper
 105 100
 120 49.5 0.0 96.6





#77

t-1,4-Dichloro-2-butene

Concen: 1.744 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

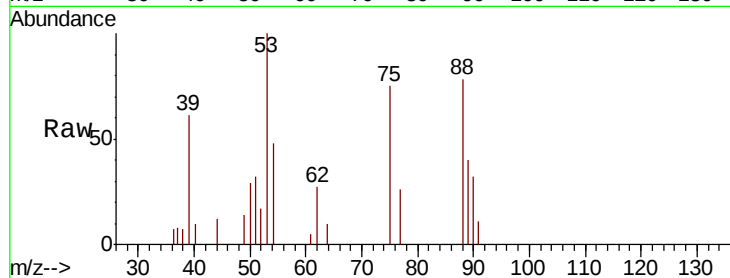
Tot Ion: 75 Resp: 1699

Ion Ratio Lower Upper

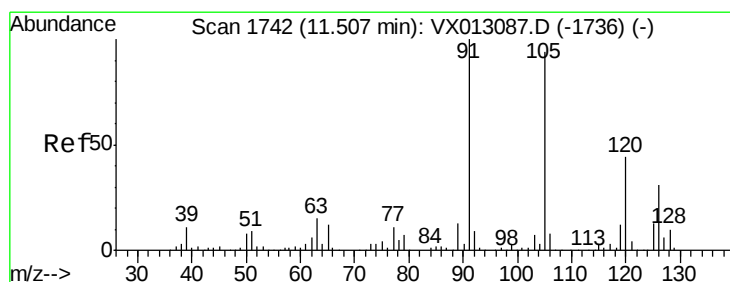
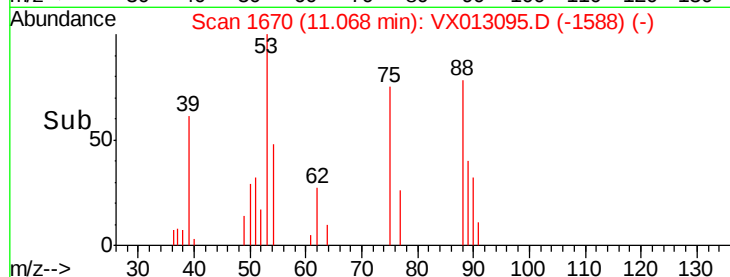
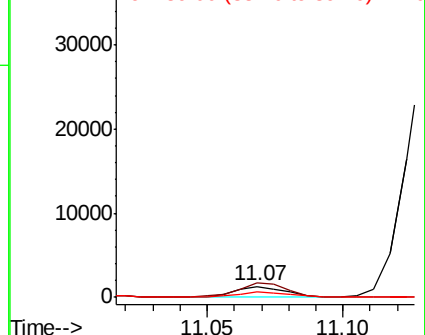
75 100

53 129.9 53.1 159.4

89 53.0 24.6 73.8



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: 2.372 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX013095.D

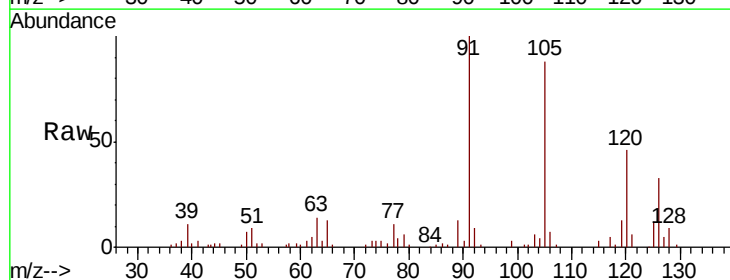
Acq: 16 Oct 2019 14:49

Tgt Ion: 91 Resp: 17458

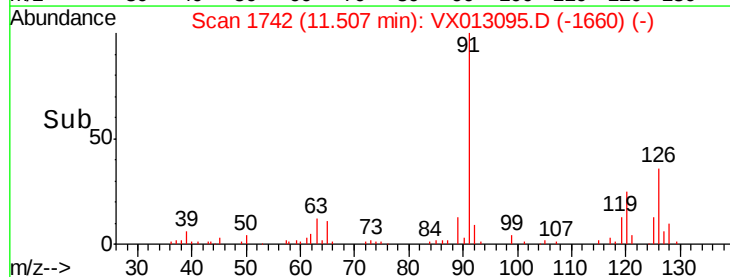
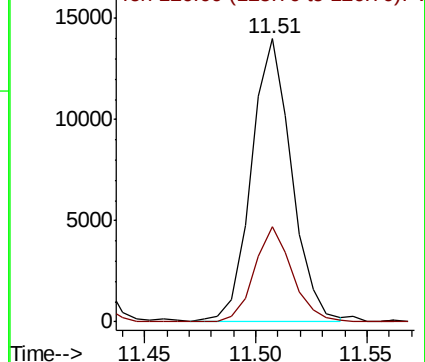
Ion Ratio Lower Upper

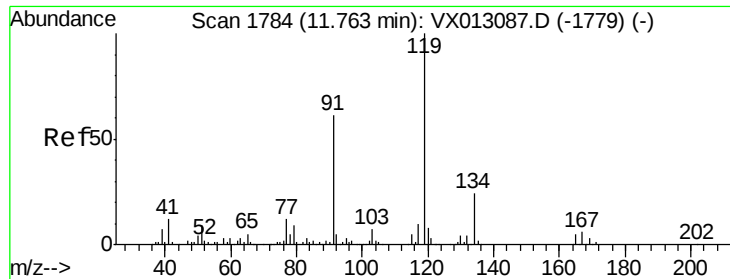
91 100

126 31.8 0.0 57.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 126.00 (125.70 to 126.70): V

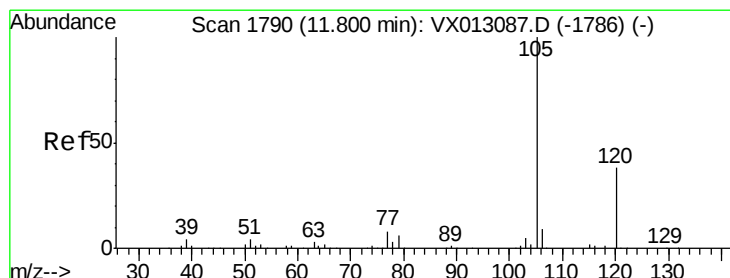
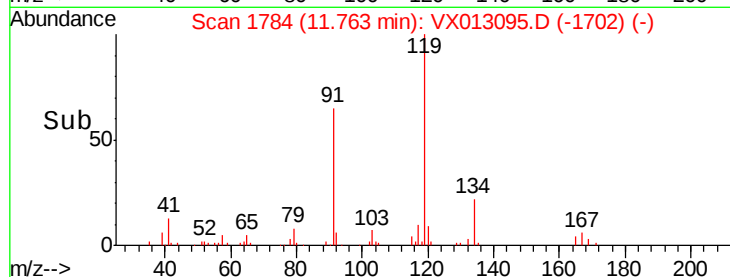
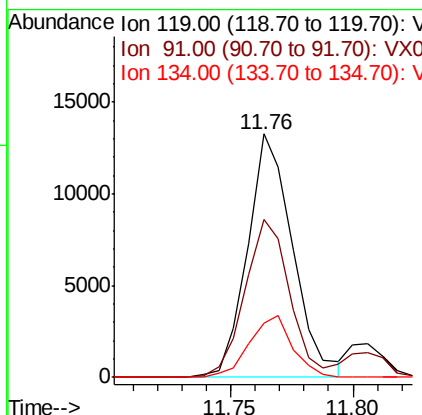
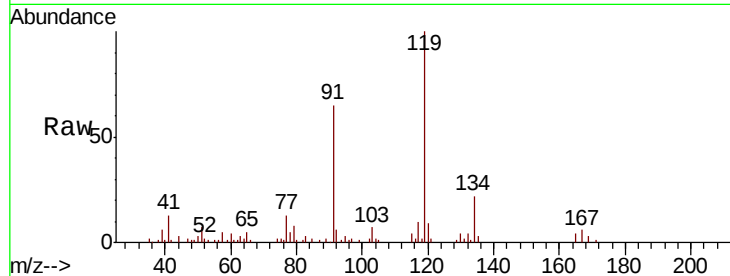




#79
tert-butylbenzene
Concen: 2.291 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

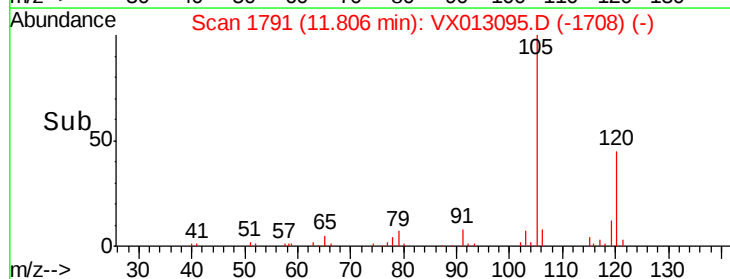
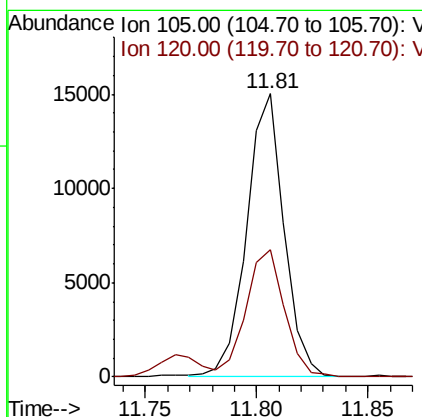
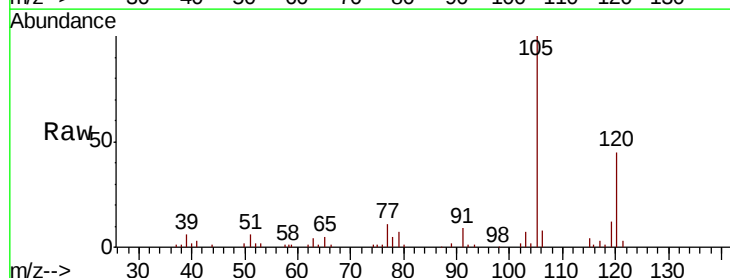
Instrument :
MSVOA_X
ClientSampled :

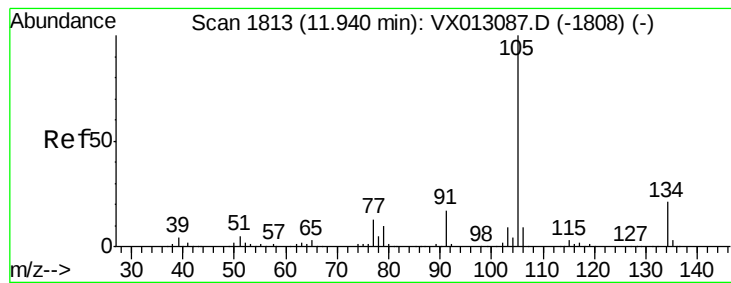
Tot Ion:119 Resp: 17061
Ion Ratio Lower Upper
119 100
91 63.8 0.0 122.2
134 24.3 0.0 46.6



#80
1,2,4-Trimethylbenzene
Concen: 2.223 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.01 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

Tgt Ion:105 Resp: 17546
Ion Ratio Lower Upper
105 100
120 46.3 0.0 85.8





#81

sec-Butylbenzene

Concen: 2.189 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

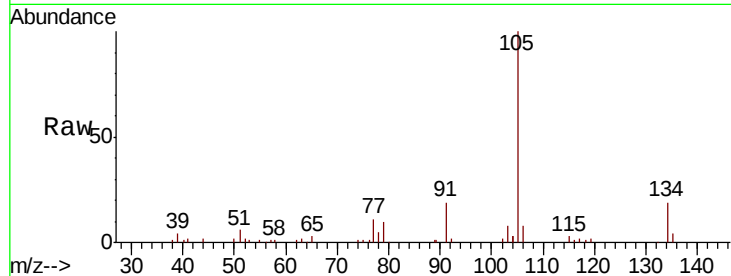
ClientSampleId :

Tot Ion:105 Resp: 19637

Ion Ratio Lower Upper

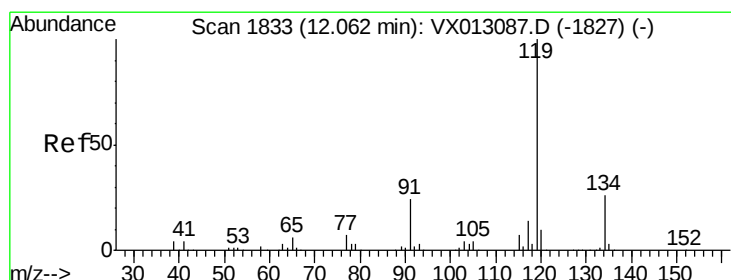
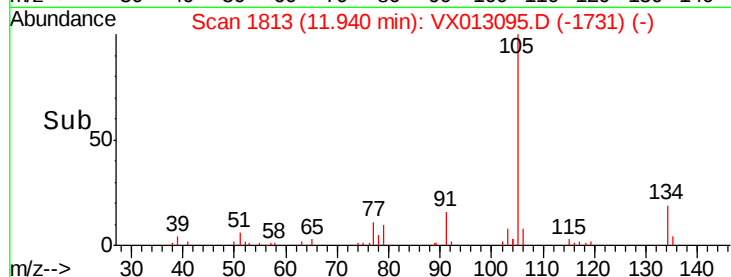
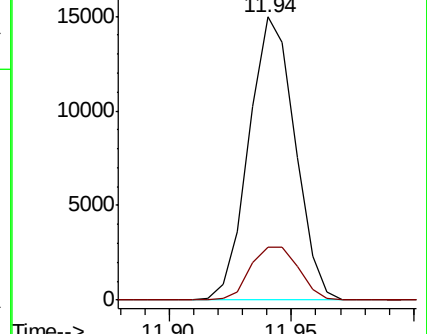
105 100

134 19.7 0.0 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 2.192 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

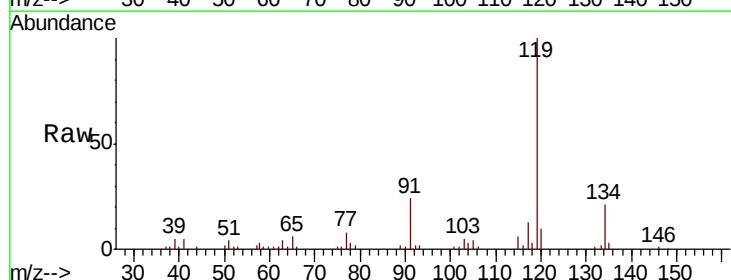
Tgt Ion:119 Resp: 17924

Ion Ratio Lower Upper

119 100

134 26.1 0.0 52.0

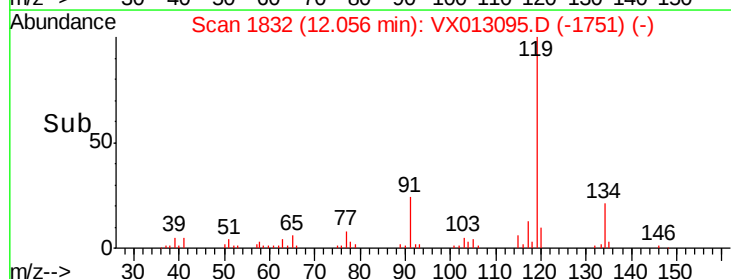
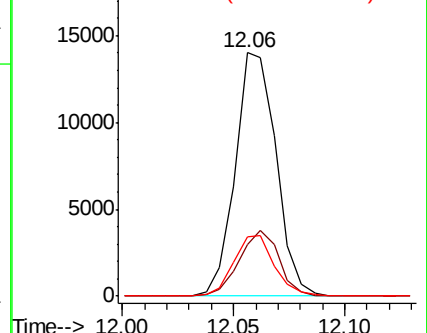
91 24.8 0.0 50.4

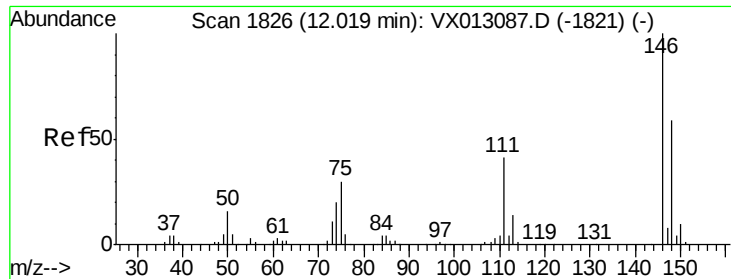


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

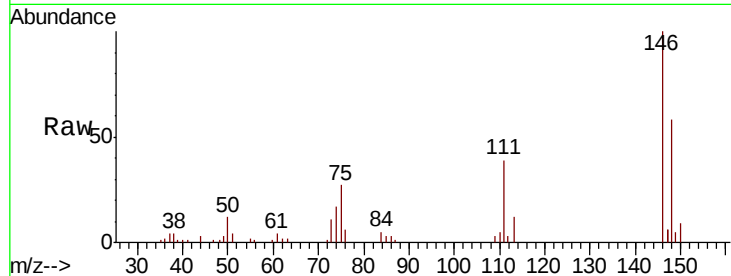




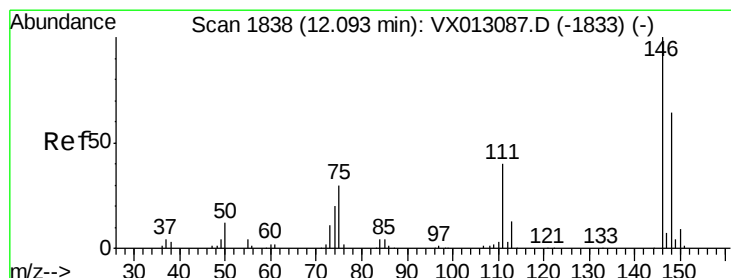
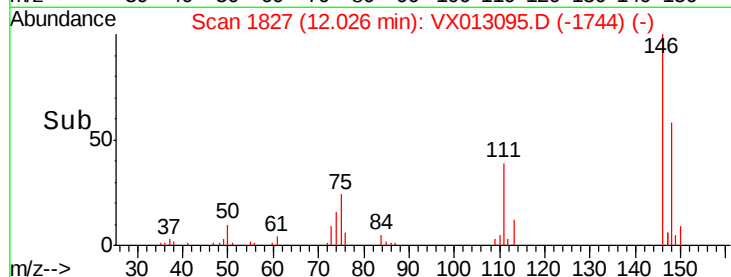
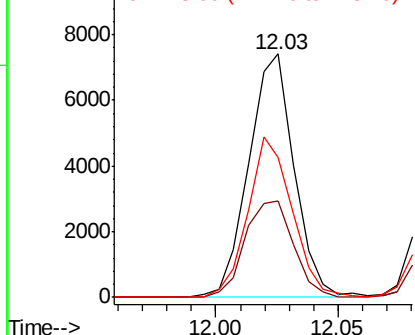
#83
 1,3-Dichlorobenzene
 Concen: 2.371 ug/l
 RT: 12.03 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: VX013095.D
 Acq: 16 Oct 2019 14:49

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:146 Resp: 9534
 Ion Ratio Lower Upper
 146 100
 111 42.3 21.3 63.9
 148 64.8 30.4 91.2

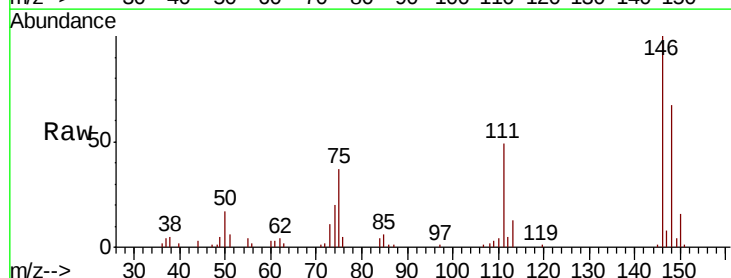


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

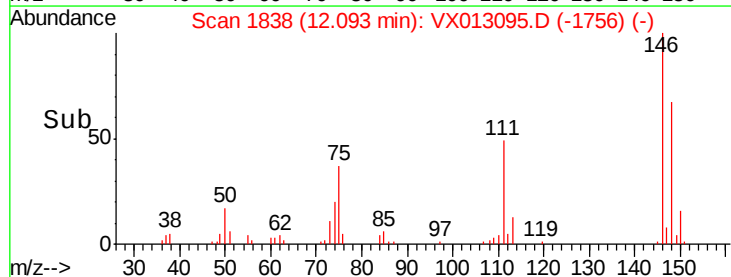
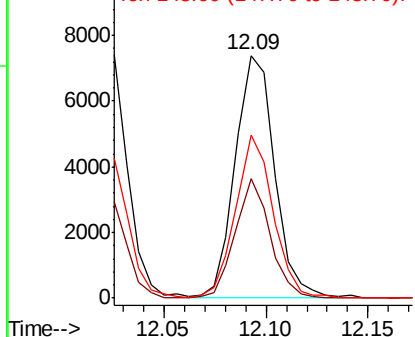


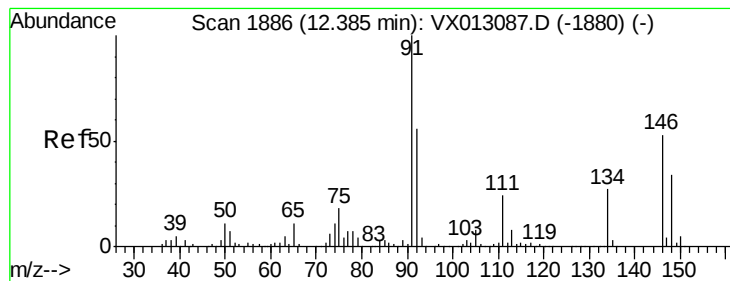
#84
 1,4-Dichlorobenzene
 Concen: 2.466 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX013095.D
 Acq: 16 Oct 2019 14:49

Tgt Ion:146 Resp: 9973
 Ion Ratio Lower Upper
 146 100
 111 43.5 20.0 59.9
 148 63.8 31.9 95.7



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: 1.953 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

ClientSampled :

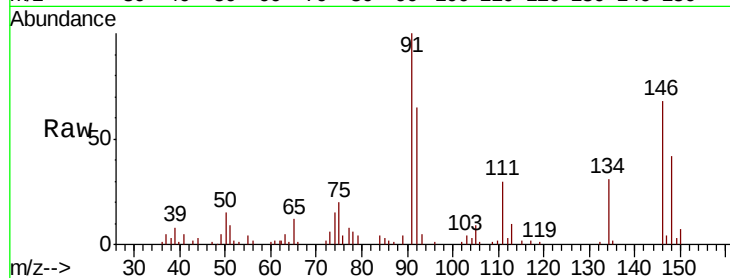
Tot Ion: 91 Resp: 13637

Ion Ratio Lower Upper

91 100

92 58.9 0.0 109.4

134 29.0 0.0 51.6

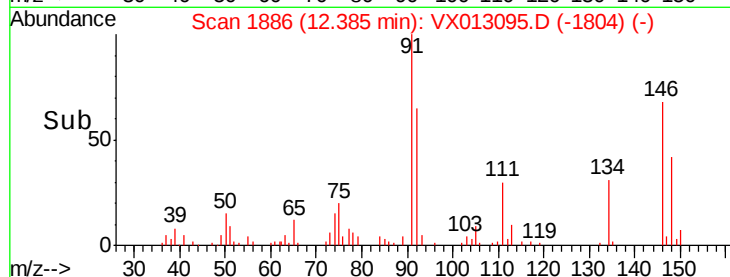


Abundance Ion 91.00 (90.70 to 91.70): VX013087.D (-1880) (-)

Ion 92.00 (91.70 to 92.70): VX013087.D (-1880) (-)

Ion 134.00 (133.70 to 134.70): VX013087.D (-1880) (-)

Time-->

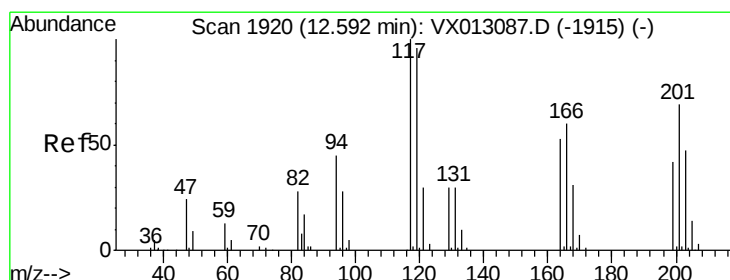


Abundance Ion 91.00 (90.70 to 91.70): VX013095.D (-1804) (-)

Ion 92.00 (91.70 to 92.70): VX013095.D (-1804) (-)

Ion 134.00 (133.70 to 134.70): VX013095.D (-1804) (-)

Time-->



#86

Hexachloroethane

Concen: 1.952 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX013095.D

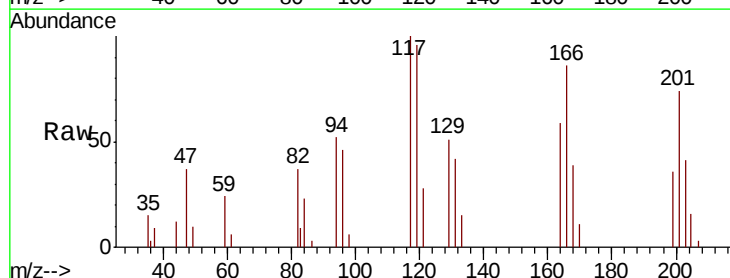
Acq: 16 Oct 2019 14:49

Tgt Ion: 117 Resp: 2766

Ion Ratio Lower Upper

117 100

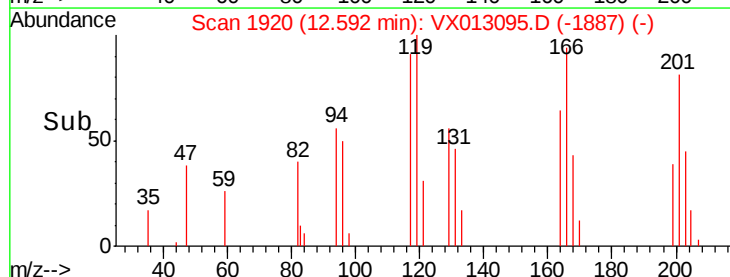
201 73.3 34.2 102.5



Abundance Ion 117.00 (116.70 to 117.70): VX013087.D (-1915) (-)

Ion 201.00 (200.70 to 201.70): VX013087.D (-1915) (-)

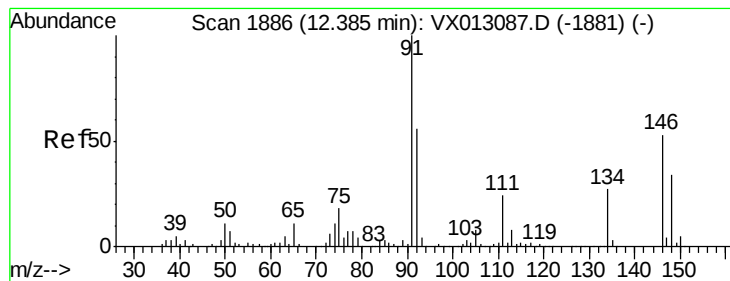
Time-->



Abundance Ion 117.00 (116.70 to 117.70): VX013095.D (-1887) (-)

Ion 201.00 (200.70 to 201.70): VX013095.D (-1887) (-)

Time-->



#87

1,2-Dichlorobenzene

Concen: 2.404 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

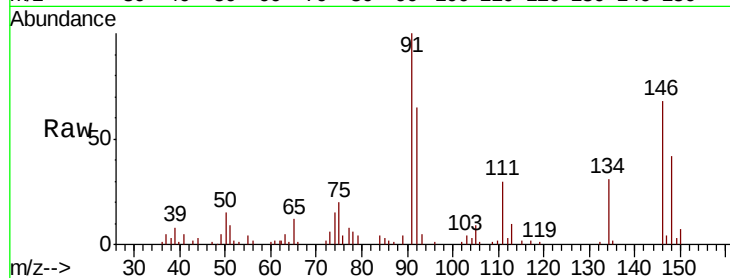
Tot Ion:146 Resp: 9535

Ion Ratio Lower Upper

146 100

111 45.3 22.3 66.9

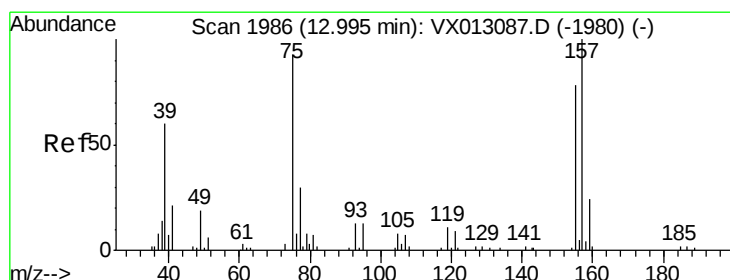
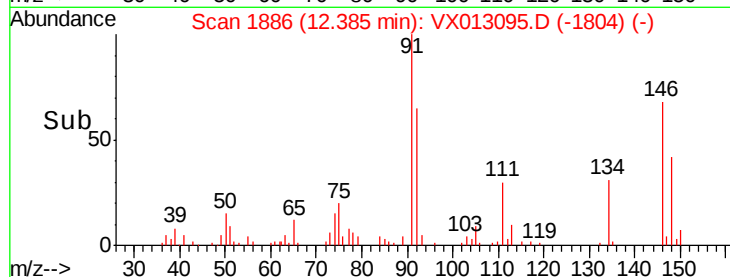
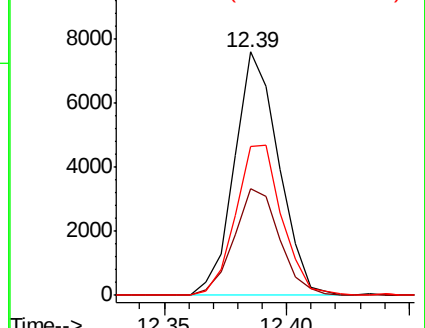
148 64.7 32.7 98.1



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



#88

1,2-Dibromo-3-Chloropropane

Concen: 2.230 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

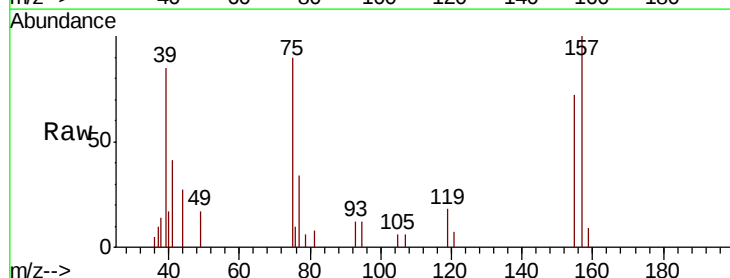
Tgt Ion: 75 Resp: 1550

Ion Ratio Lower Upper

75 100

155 84.1 68.4 102.6

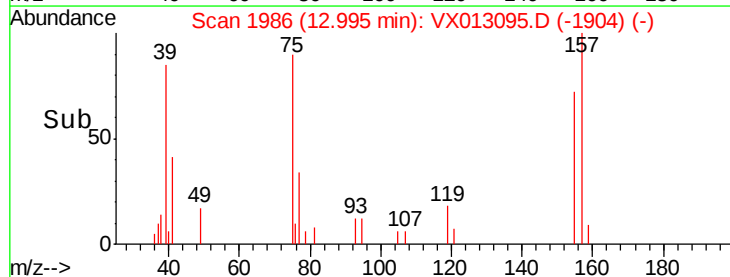
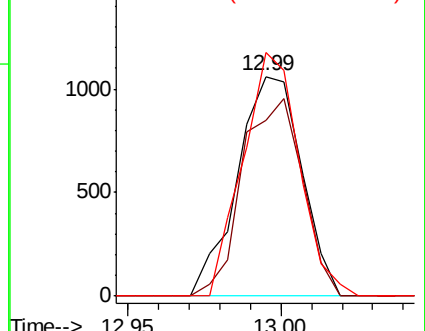
157 97.1 85.6 128.4

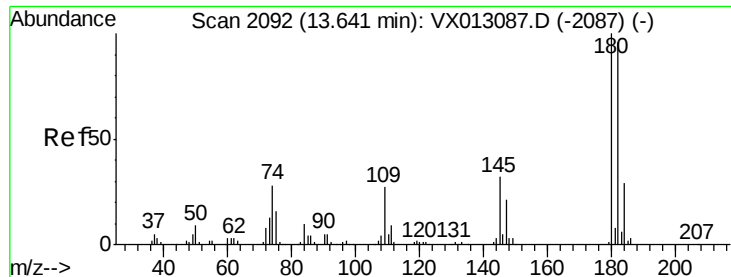


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

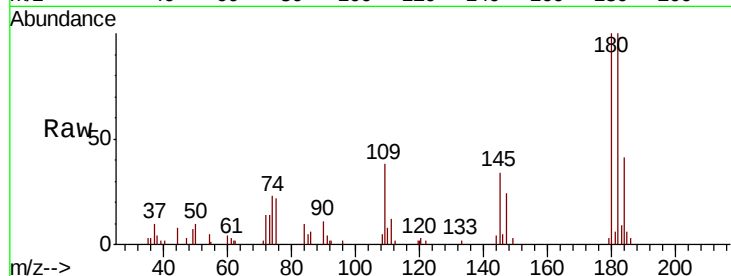




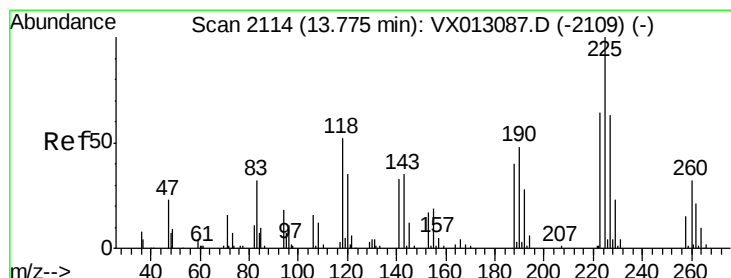
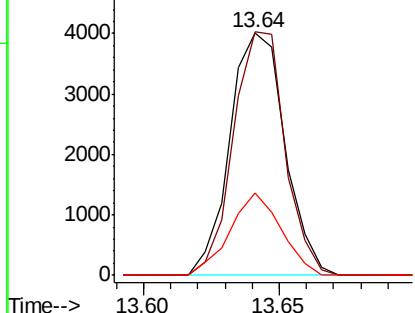
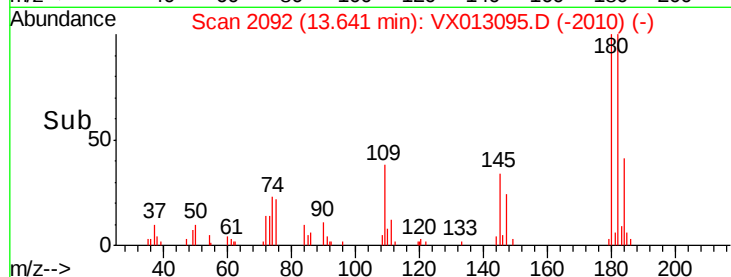
#89
 1,2,4-Trichlorobenzene
 Concen: 2.275 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX013095.D
 Acq: 16 Oct 2019 14:49

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:180 Resp: 5630
 Ion Ratio Lower Upper
 180 100
 182 93.7 74.8 112.2
 145 31.4 26.2 39.2

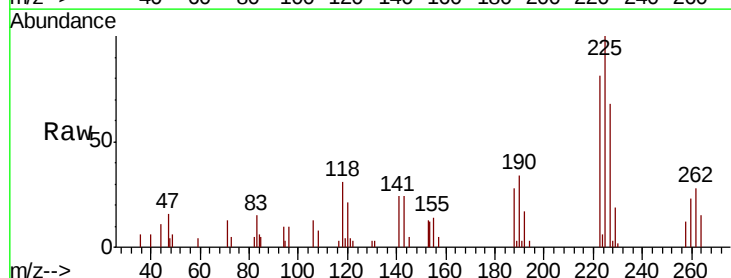


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

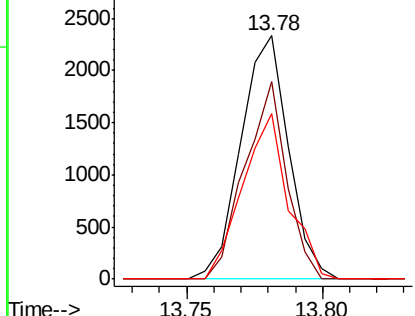
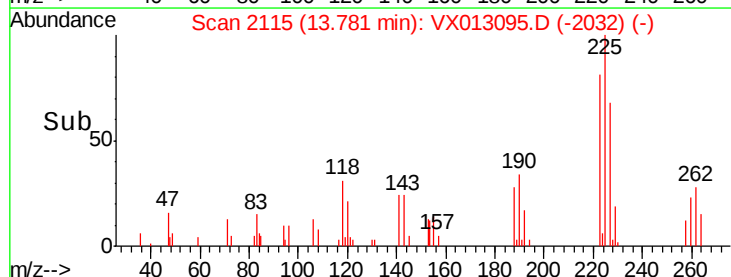


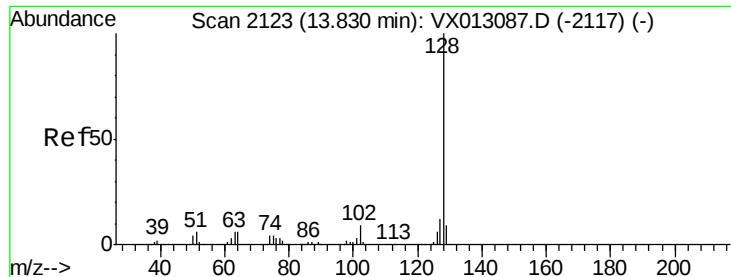
#90
 Hexachlorobutadiene
 Concen: 2.417 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.01 min
 Lab File: VX013095.D
 Acq: 16 Oct 2019 14:49

Tgt Ion:225 Resp: 2838
 Ion Ratio Lower Upper
 225 100
 223 70.8 0.0 132.2
 227 65.5 0.0 124.2



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

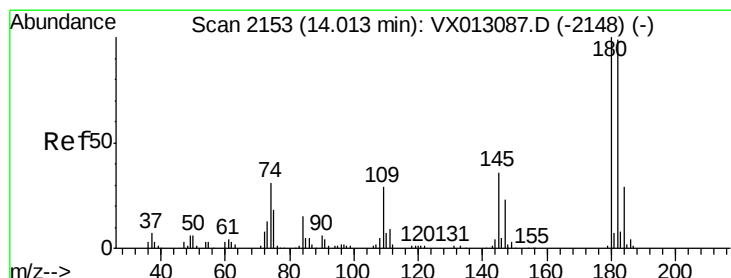
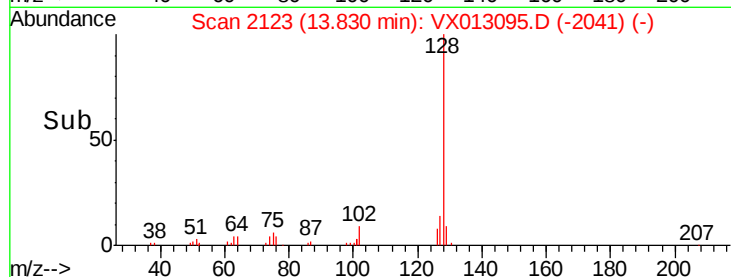
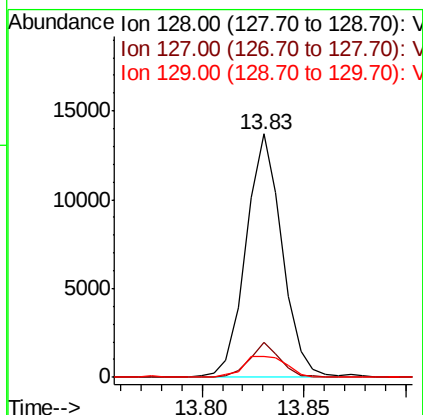
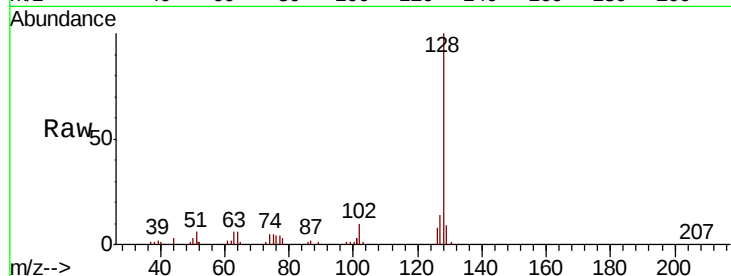




#91
Naphthalene
Concen: 2.005 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 16876
Ion Ratio Lower Upper
128 100
127 12.2 10.0 15.0
129 10.5 8.0 12.0



#92
1,2,3-Trichlorobenzene
Concen: 2.267 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

Tgt Ion:180 Resp: 5619
Ion Ratio Lower Upper
180 100
182 91.8 0.0 195.2
145 37.5 0.0 69.8

