

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112619\
 Data File : VX013599.D
 Acq On : 26 Nov 2019 14:18
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Quant Time: Nov 26 15:07:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	671513	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1025127	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	915851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	448927	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	152193	19.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.74%	
35) Dibromofluoromethane	5.48	113	127106	20.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.04%	
50) Toluene-d8	8.71	98	491126	20.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.96%	
62) 4-Bromofluorobenzene	11.14	95	171597	19.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.56%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.19	85	162518	21.238	ug/l 97
3) Chloromethane	1.32	50	180998	21.726	ug/l 99
4) Vinyl Chloride	1.40	62	205141	21.672	ug/l 98
5) Bromomethane	1.63	94	120565	18.567	ug/l 100
6) Chloroethane	1.72	64	112249	18.646	ug/l 97
7) Trichlorofluoromethane	1.92	101	216636	19.547	ug/l 99
8) Diethyl Ether	2.18	74	99207	20.176	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	132805	21.195	ug/l 99
10) Methyl Iodide	2.50	142	149872	19.267	ug/l 99
11) Tert butyl alcohol	3.03	59	182955	88.800	ug/l 97
12) 1,1-Dichloroethene	2.37	96	134182	21.833	ug/l 93
13) Acrolein	2.28	56	135387	117.080	ug/l 96
14) Allyl chloride	2.72	41	237135	21.174	ug/l 98
15) Acrylonitrile	3.13	53	403166	103.901	ug/l 99
16) Acetone	2.43	43	412640	105.351	ug/l 99
17) Carbon Disulfide	2.56	76	362478	21.893	ug/l 99
18) Methyl Acetate	2.76	43	231005	21.268	ug/l 98
19) Methyl tert-butyl Ether	3.18	73	444837	21.775	ug/l 100
20) Methylene Chloride	2.84	84	150714	20.631	ug/l 94
21) trans-1,2-Dichloroethene	3.16	96	141896	21.209	ug/l 99
22) Diisopropyl ether	3.84	45	475896	22.120	ug/l 94
23) Vinyl Acetate	3.80	43	1953405	106.450	ug/l 98
24) 1,1-Dichloroethane	3.69	63	256911	21.340	ug/l 98
25) 2-Butanone	4.65	43	603269	104.809	ug/l 99
26) 2,2-Dichloropropane	4.58	77	207077	21.533	ug/l 100
27) cis-1,2-Dichloroethene	4.58	96	161509	21.533	ug/l 99
28) Bromochloromethane	5.00	49	103161	28.235	ug/l 99
29) Tetrahydrofuran	5.11	42	372598	105.289	ug/l 99
30) Chloroform	5.20	83	253347	21.339	ug/l 96
31) Cyclohexane	5.57	56	233919	21.423	ug/l 95
32) 1,1,1-Trichloroethane	5.48	97	213414	20.934	ug/l 99
36) 1,1-Dichloropropene	5.79	75	189172	21.592	ug/l 99
37) Ethyl Acetate	4.82	43	219923	20.471	ug/l 99
38) Carbon Tetrachloride	5.78	117	181448	21.316	ug/l 98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	230518	21.024	ug/l	98
40) Benzene	6.13	78	587333	21.508	ug/l	100
41) Methacrylonitrile	5.03	41	119676	19.874	ug/l	98
42) 1,2-Dichloroethane	6.19	62	204221	21.012	ug/l	99
43) Isopropyl Acetate	6.44	43	353900	21.114	ug/l	100
44) Trichloroethene	7.21	130	158478	21.048	ug/l	94
45) 1,2-Dichloropropane	7.51	63	150107	21.610	ug/l	96
46) Dibromomethane	7.65	93	97608	20.680	ug/l	99
47) Bromodichloromethane	7.89	83	189348	21.234	ug/l	95
48) Methyl methacrylate	7.76	41	174920	20.985	ug/l	99
49) 1,4-Dioxane	7.73	88	76169	400.077	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	1125195	102.940	ug/l	100
52) Toluene	8.78	92	365776	21.606	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	208484	21.301	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	236678	21.578	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	146576	20.978	ug/l	99
56) Ethyl methacrylate	9.17	69	238060	22.009	ug/l	99
57) 1,3-Dichloropropane	9.37	76	254985	21.494	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	447125	95.649	ug/l	100
59) 2-Hexanone	9.48	43	885705	104.885	ug/l	98
60) Dibromochloromethane	9.57	129	150765	21.088	ug/l	100
61) 1,2-Dibromoethane	9.67	107	155435	21.004	ug/l	100
64) Tetrachloroethene	9.33	164	142540	21.815	ug/l	97
65) Chlorobenzene	10.14	112	393711	21.308	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	142718	21.081	ug/l	98
67) Ethyl Benzene	10.25	91	691120	21.648	ug/l	99
68) m/p-Xylenes	10.36	106	524741	43.574	ug/l	100
69) o-Xylene	10.70	106	257406	21.746	ug/l	99
70) Styrene	10.71	104	427468	21.663	ug/l	99
71) Bromoform	10.85	173	114385	20.880	ug/l	99
73) Isopropylbenzene	11.01	105	674791	22.637	ug/l	100
74) N-amyl acetate	10.89	43	303531	22.069	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	234867	21.720	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	260350	27.871	ug/l	88
77) Bromobenzene	11.25	156	177233	22.304	ug/l	99
78) n-propylbenzene	11.35	91	754497	22.771	ug/l	100
79) 2-Chlorotoluene	11.42	91	448209	22.456	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	557085	22.507	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	73620	20.808	ug/l	98
82) 4-Chlorotoluene	11.51	91	514200	22.027	ug/l	99
83) tert-Butylbenzene	11.76	119	562628	22.622	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	559517	22.558	ug/l	100
85) sec-Butylbenzene	11.94	105	648623	22.637	ug/l	99
86) p-Isopropyltoluene	12.06	119	587775	22.297	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	309868	21.939	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	309621	21.539	ug/l	100
89) n-Butylbenzene	12.39	91	500040	21.809	ug/l	99
90) Hexachloroethane	12.59	117	102141	21.717	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	305588	21.632	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	48383	18.549	ug/l	99

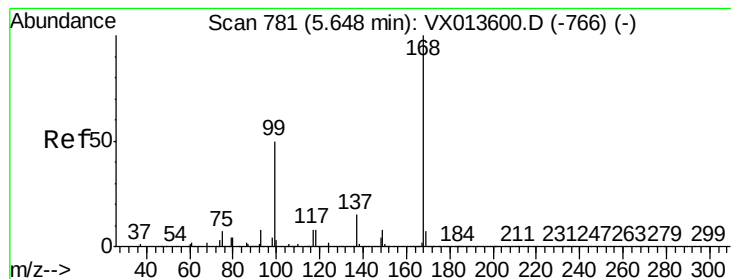
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	205907	20.945	ug/l	98
94) Hexachlorobutadiene	13.78	225	99275	20.836	ug/l	98
95) Naphthalene	13.83	128	632677	20.758	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	206607	21.065	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013599.D

Acq: 26 Nov 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

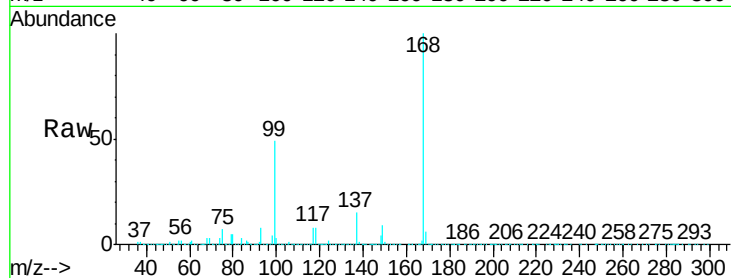
VSTDIC020

Tgt Ion:168 Resp: 671513

Ion Ratio Lower Upper

168 100

99 48.5 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

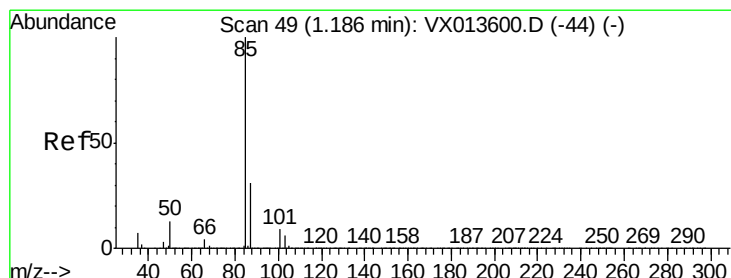
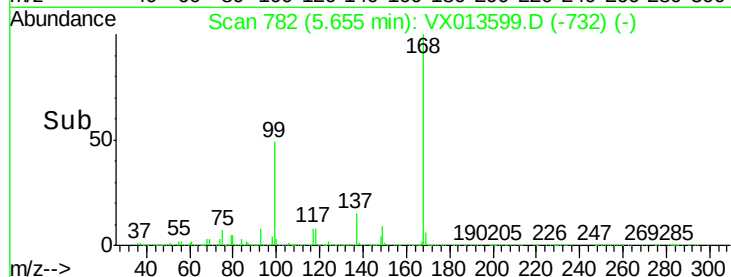
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.238 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX013599.D

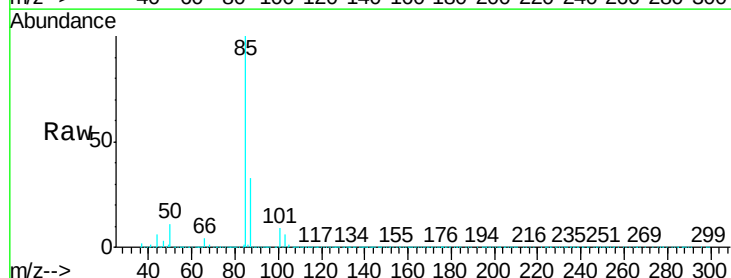
Acq: 26 Nov 2019 14:18

Tgt Ion: 85 Resp: 162518

Ion Ratio Lower Upper

85 100

87 32.8 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

150000

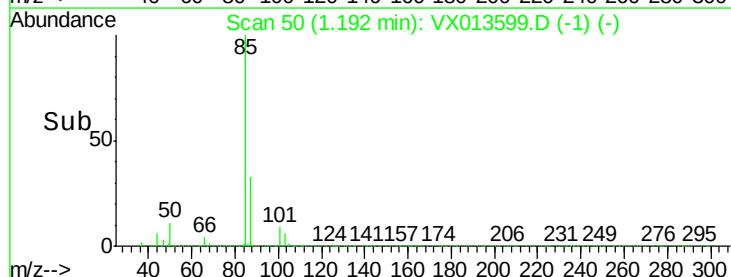
100000

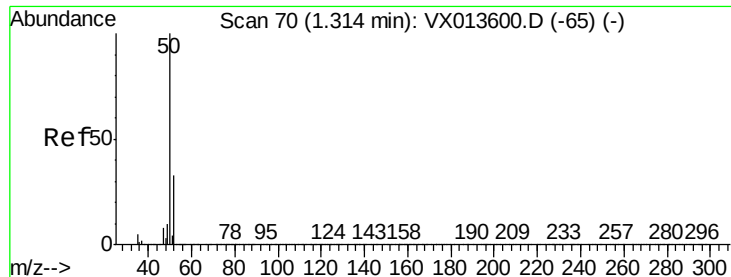
50000

0

1.15 1.20 1.25

Time-->

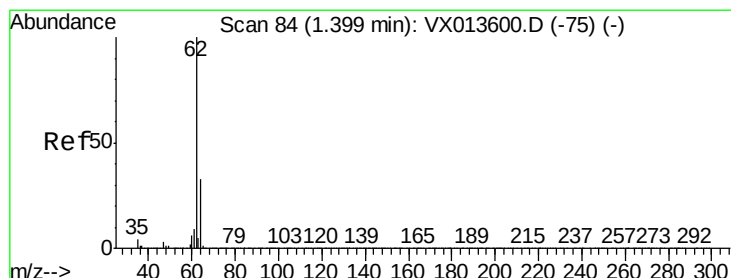
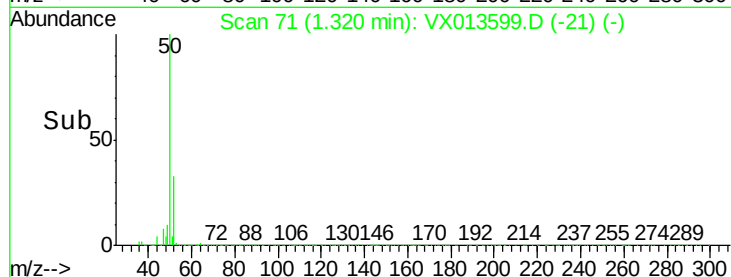
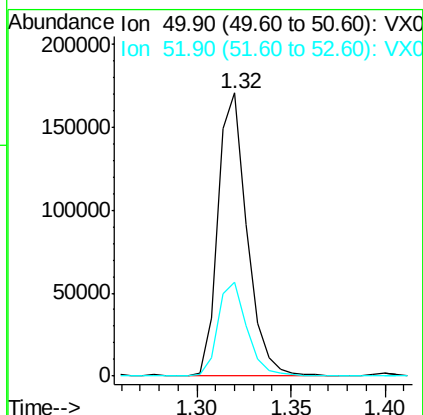
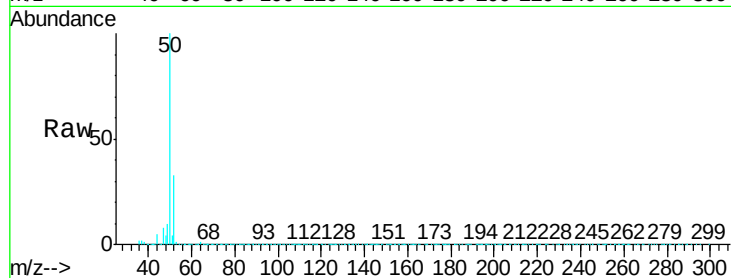




#3
Chloromethane
Concen: 21.726 ug/l
RT: 1.32 min Scan# 71
Delta R.T. 0.01 min
Lab File: VX013599.D
Acq: 26 Nov 2019 14:18

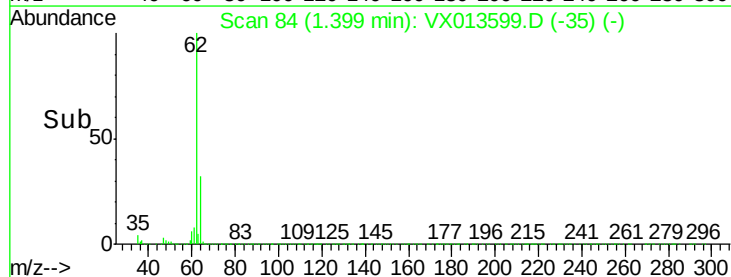
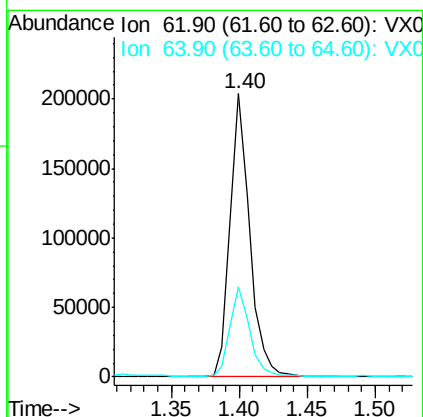
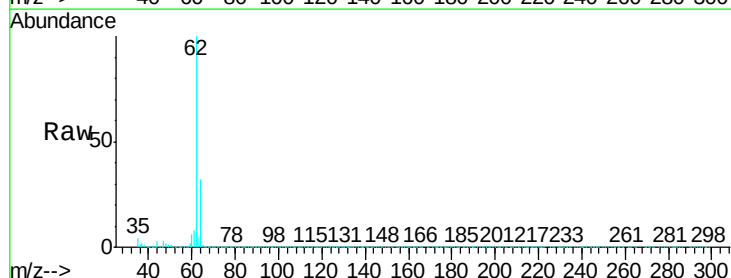
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

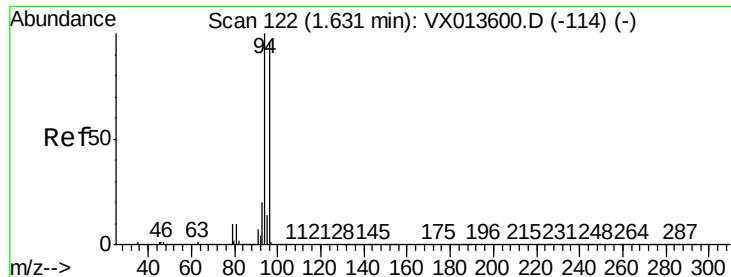
Tgt Ion: 50 Resp: 180998
Ion Ratio Lower Upper
50 100
52 33.2 26.0 39.0



#4
Vinyl Chloride
Concen: 21.672 ug/l
RT: 1.40 min Scan# 84
Delta R.T. 0.00 min
Lab File: VX013599.D
Acq: 26 Nov 2019 14:18

Tgt Ion: 62 Resp: 205141
Ion Ratio Lower Upper
62 100
64 31.6 26.0 39.0





#5

Bromomethane

Concen: 18.567 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX013599.D

Acq: 26 Nov 2019 14:18

Instrument :

MSVOA_X

ClientSampled :

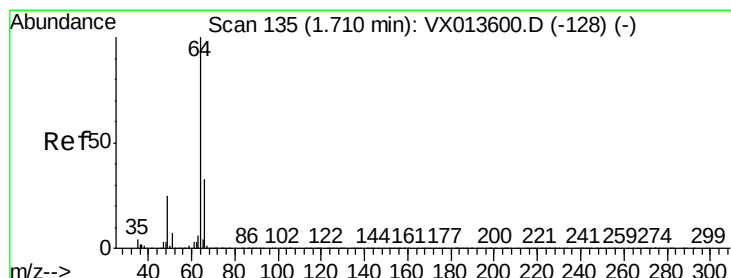
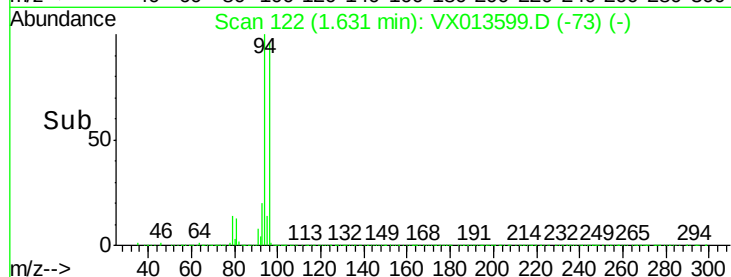
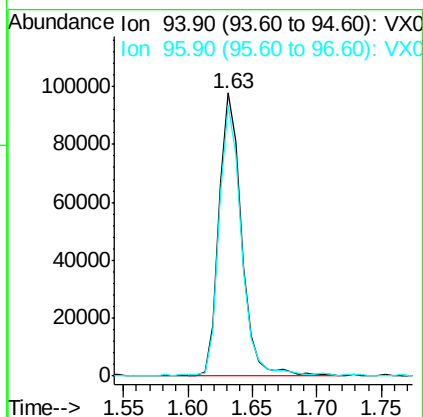
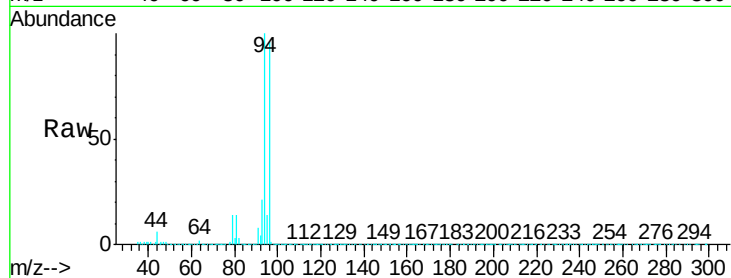
VSTDIC020

Tgt Ion: 94 Resp: 120565

Ion Ratio Lower Upper

94 100

96 95.7 77.0 115.4



#6

Chloroethane

Concen: 18.646 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX013599.D

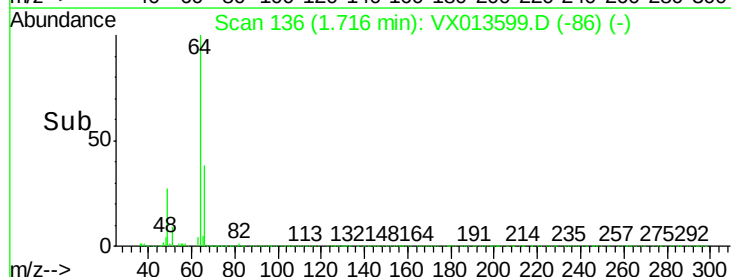
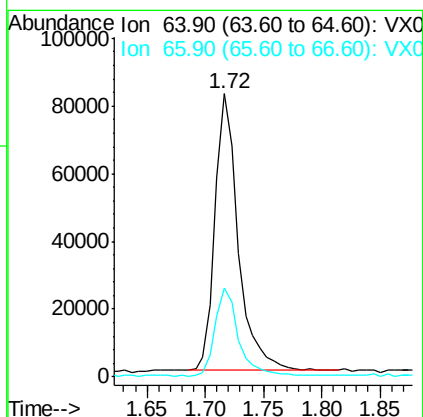
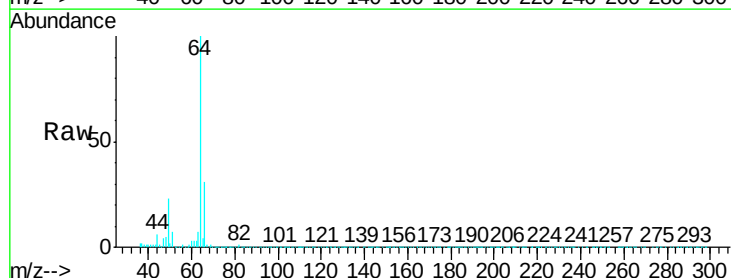
Acq: 26 Nov 2019 14:18

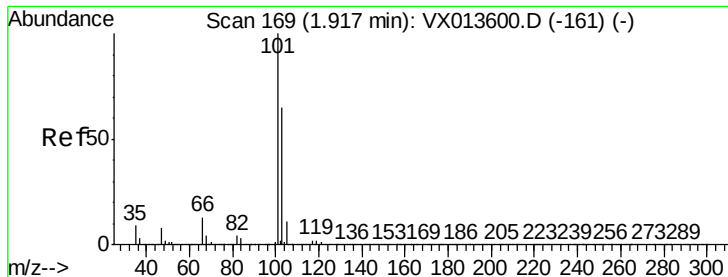
Tgt Ion: 64 Resp: 112249

Ion Ratio Lower Upper

64 100

66 31.6 26.7 40.1



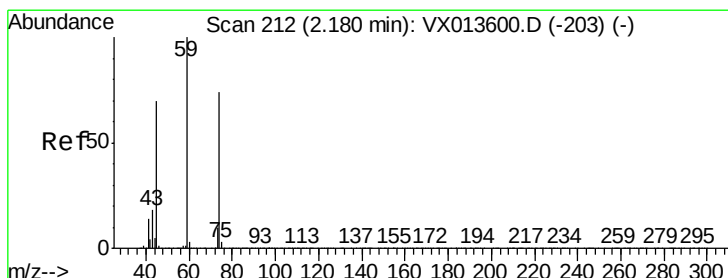
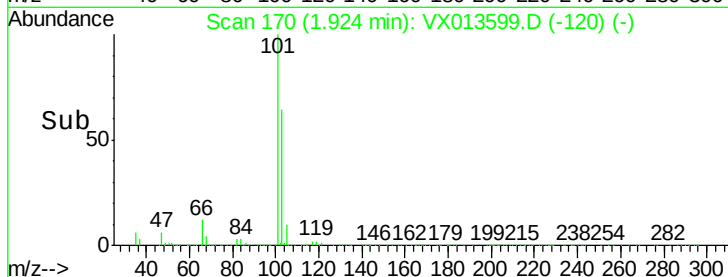
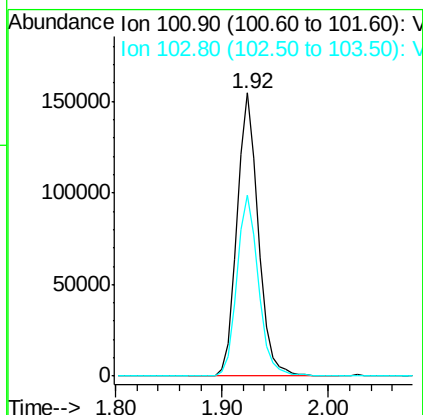
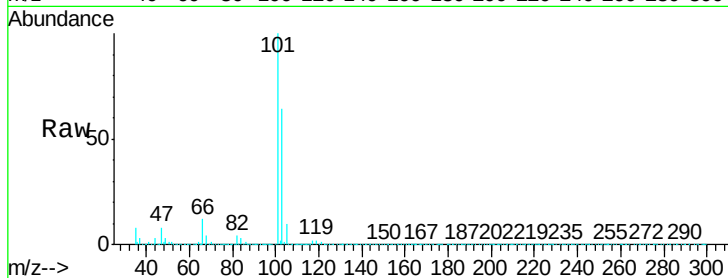


#7

Trichlorofluoromethane
Concen: 19.547 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX013599.D
Acq: 26 Nov 2019 14:18

Instrument :
MSVOA_X
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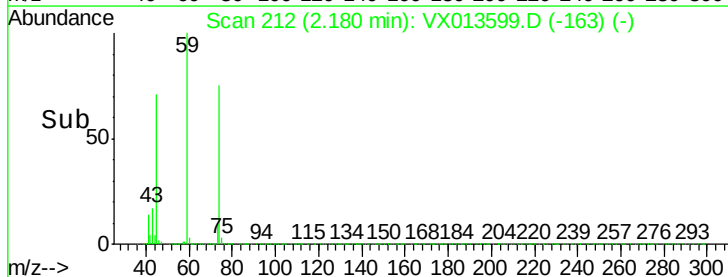
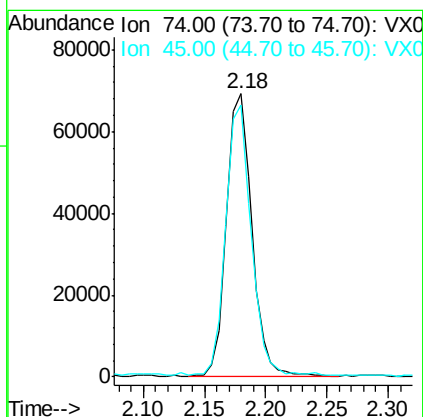
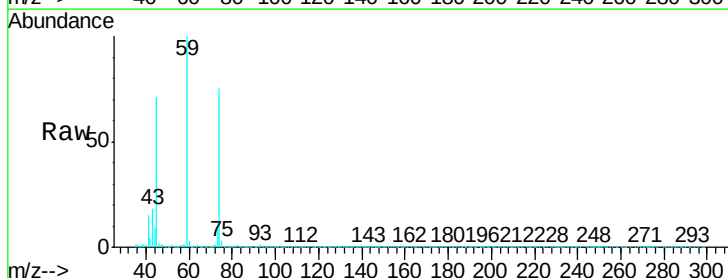
Tgt Ion:101 Resp: 216636
Ion Ratio Lower Upper
101 100
103 63.7 51.8 77.6

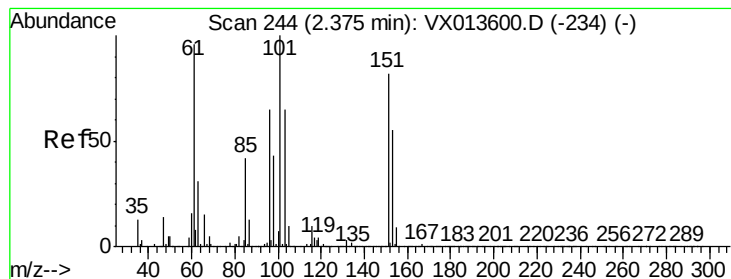


#8

Diethyl Ether
Concen: 20.176 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX013599.D
Acq: 26 Nov 2019 14:18

Tgt Ion: 74 Resp: 99207
Ion Ratio Lower Upper
74 100
45 96.6 48.9 146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.195 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX013599.D

Acq: 26 Nov 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

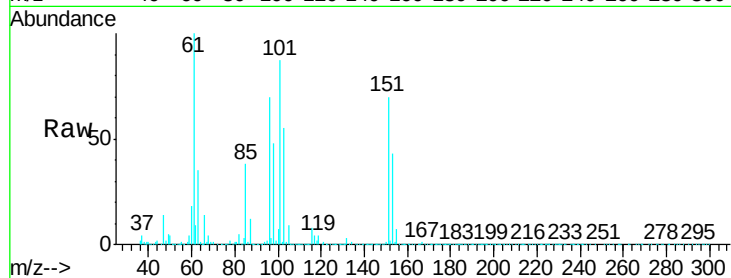
Tgt Ion:101 Resp: 132805

Ion Ratio Lower Upper

101 100

85 43.1 33.9 50.9

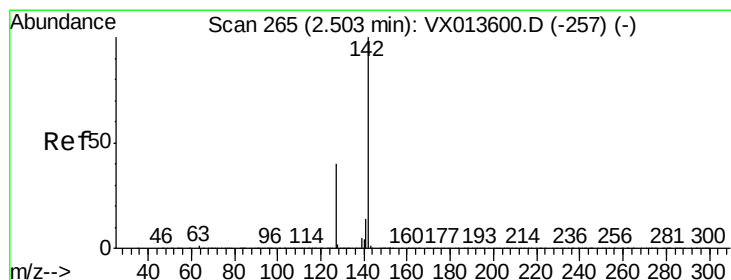
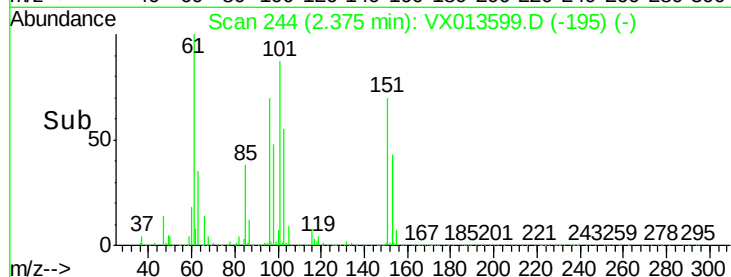
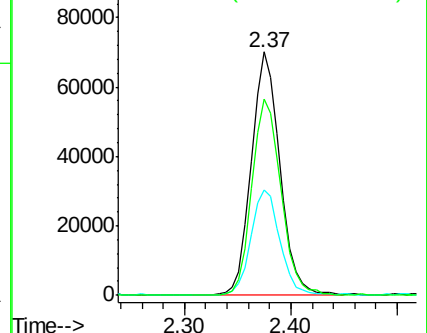
151 81.7 64.2 96.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.267 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX013599.D

Acq: 26 Nov 2019 14:18

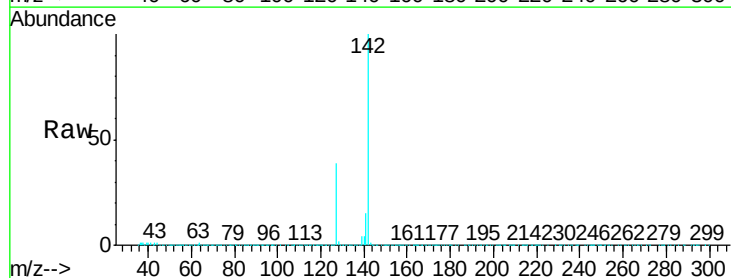
Tgt Ion:142 Resp: 149872

Ion Ratio Lower Upper

142 100

127 39.4 31.0 46.4

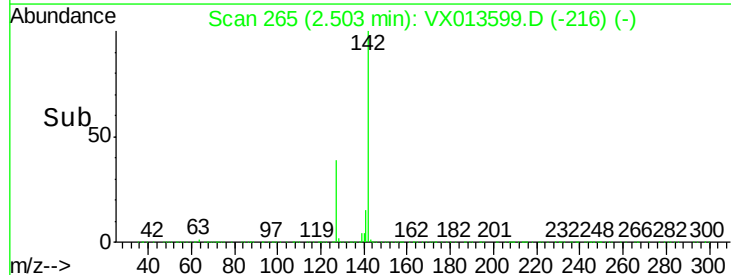
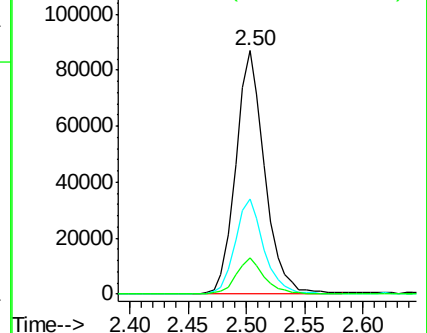
141 14.5 11.6 17.4

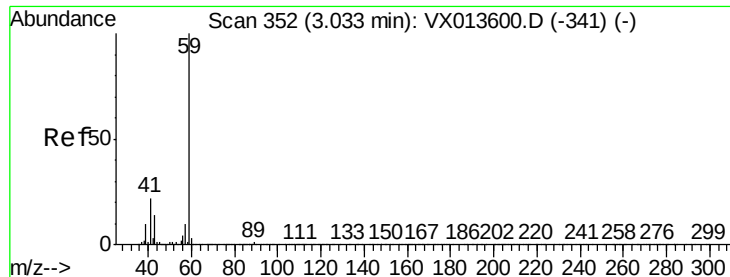


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



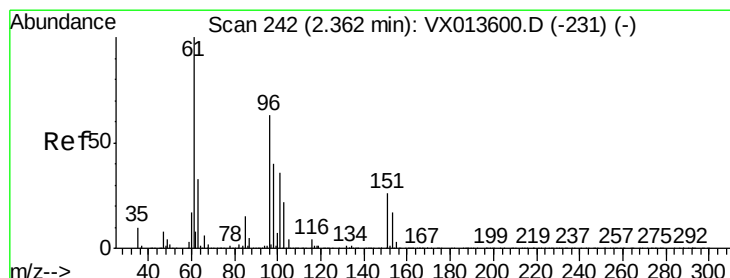
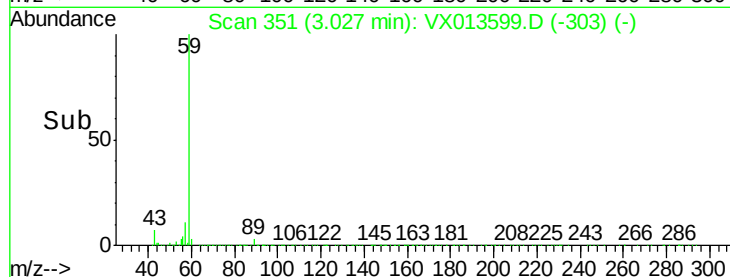
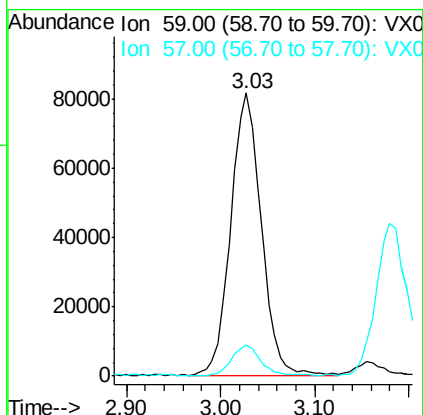
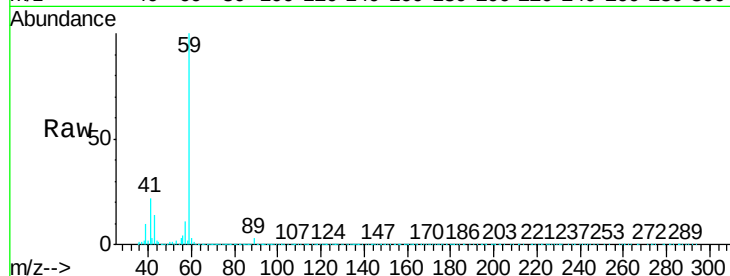


#11

Tert butyl alcohol
Concen: 88.800 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX013599.D
Acq: 26 Nov 2019 14:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

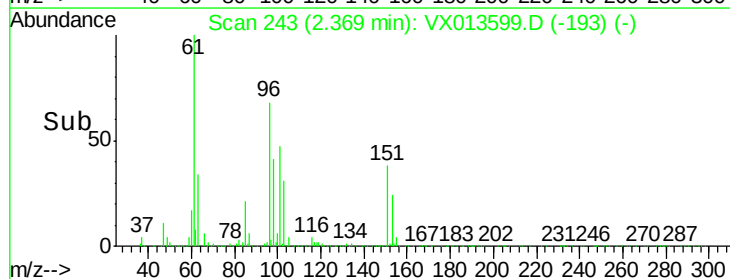
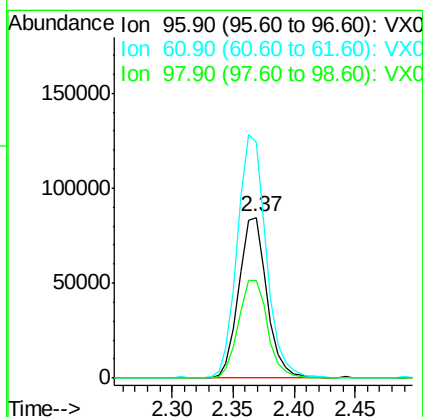
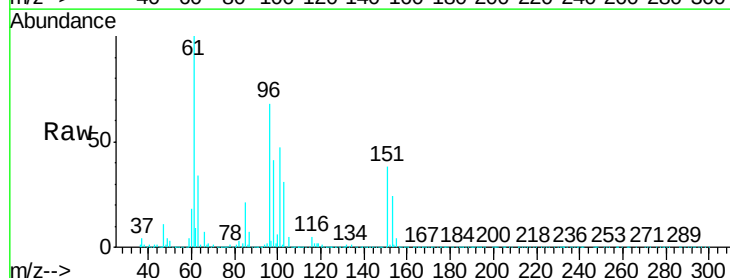
Tgt Ion: 59 Resp: 182955
Ion Ratio Lower Upper
59 100
57 10.7 7.8 11.6

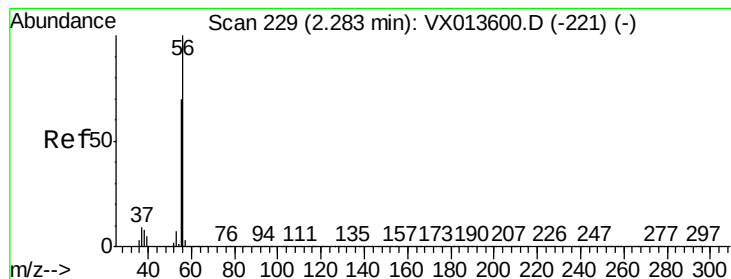


#12

1,1-Dichloroethene
Concen: 21.833 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.01 min
Lab File: VX013599.D
Acq: 26 Nov 2019 14:18

Tgt Ion: 96 Resp: 134182
Ion Ratio Lower Upper
96 100
61 147.0 126.6 190.0
98 60.5 50.6 76.0





#13

Acrolein

Concen: 117.080 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013599.D

Acq: 26 Nov 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

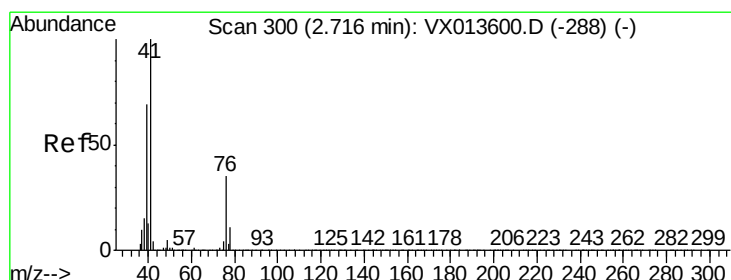
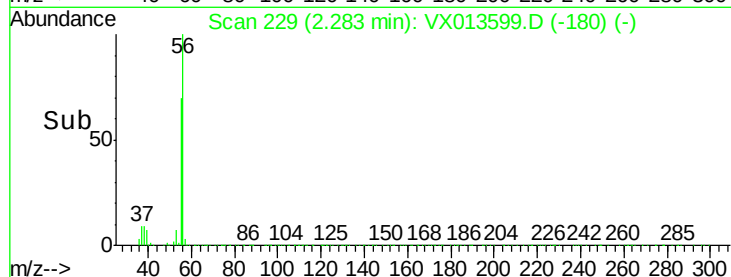
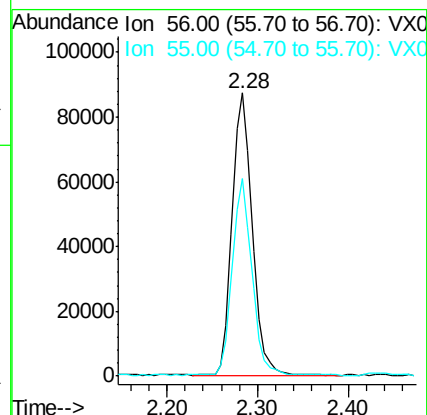
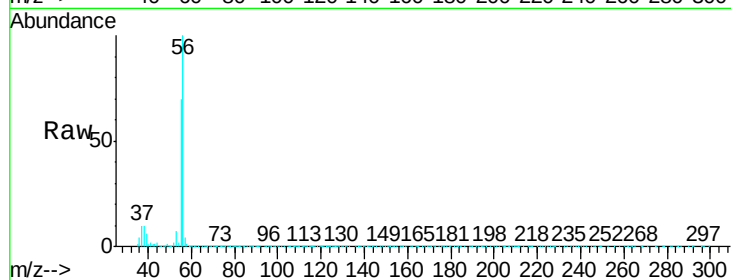
VSTDIC020

Tgt Ion: 56 Resp: 135387

Ion Ratio Lower Upper

56 100

55 66.8 56.2 84.4



#14

Allyl chloride

Concen: 21.174 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX013599.D

Acq: 26 Nov 2019 14:18

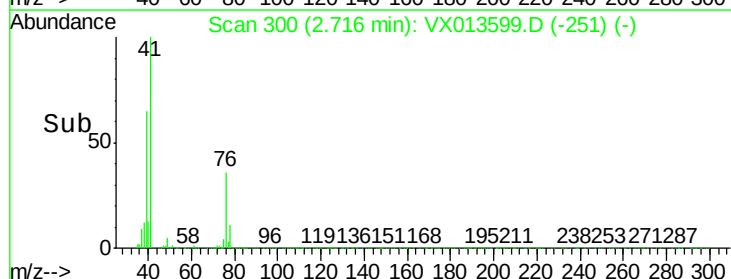
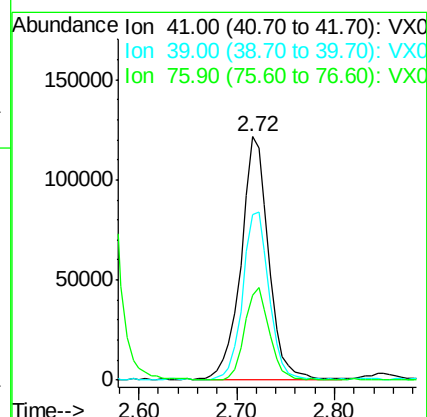
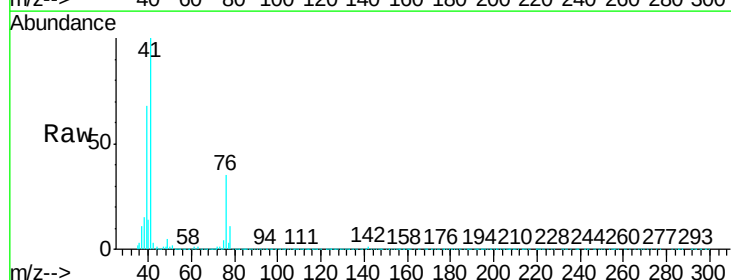
Tgt Ion: 41 Resp: 237135

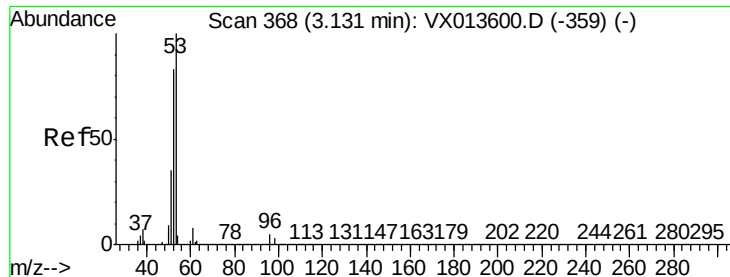
Ion Ratio Lower Upper

41 100

39 66.1 51.7 77.5

76 34.0 25.9 38.9

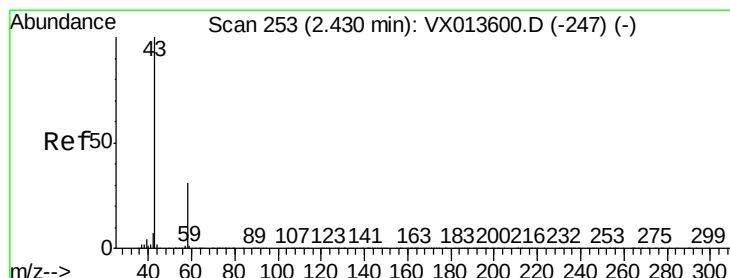
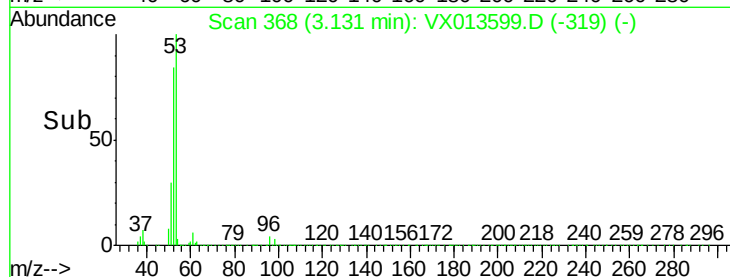
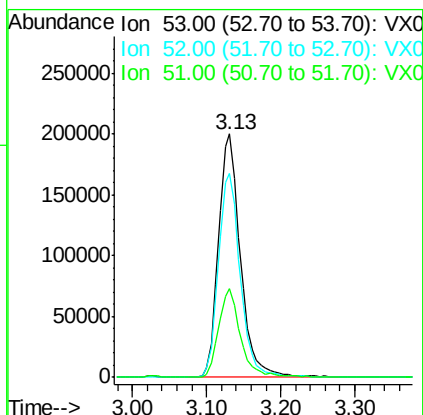
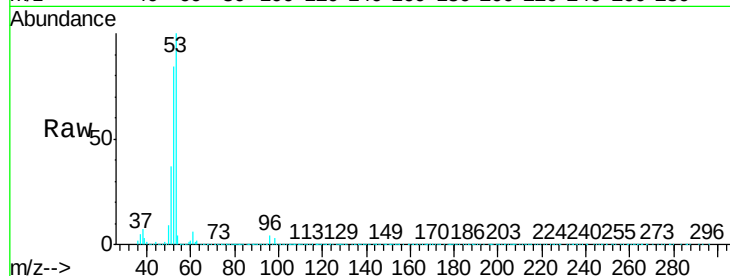




#15
Acrylonitrile
Concen: 103.901 ug/l
RT: 3.13 min Scan# 368
Delta R.T. 0.00 min
Lab File: VX013599.D
Acq: 26 Nov 2019 14:18

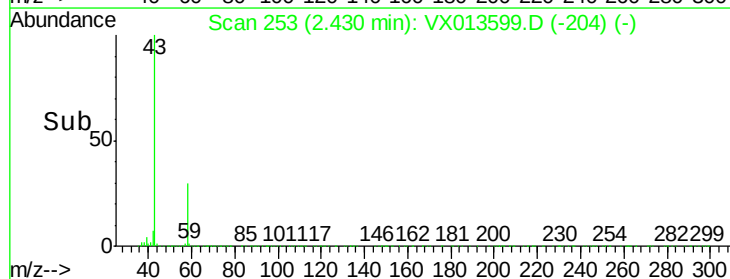
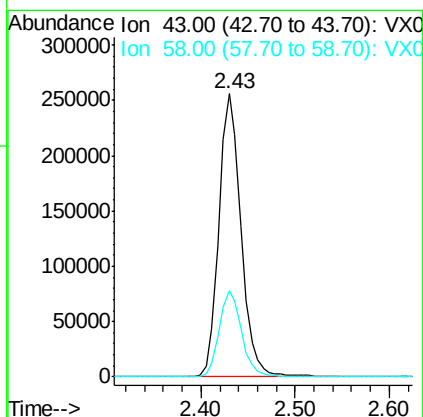
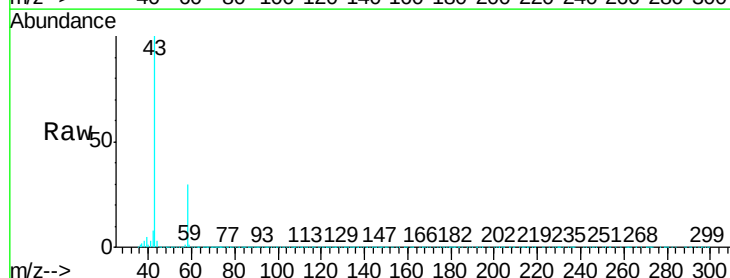
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

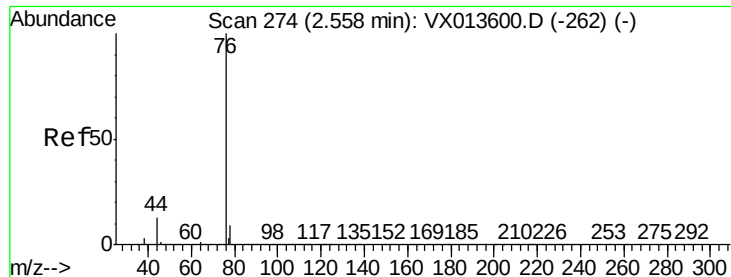
Tgt Ion:	53	Resp:	403166
Ion	Ratio	Lower	Upper
53	100		
52	84.3	66.2	99.2
51	36.2	29.0	43.6



#16
Acetone
Concen: 105.351 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX013599.D
Acq: 26 Nov 2019 14:18

Tgt Ion:	43	Resp:	412640
Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.6	36.8





#17

Carbon Disulfide

Concen: 21.893 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX013599.D

Acq: 26 Nov 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

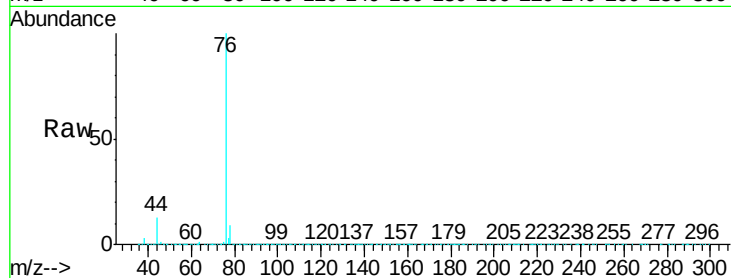
VSTDIC020

Tgt Ion: 76 Resp: 362478

Ion Ratio Lower Upper

76 100

78 8.7 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

200000

150000

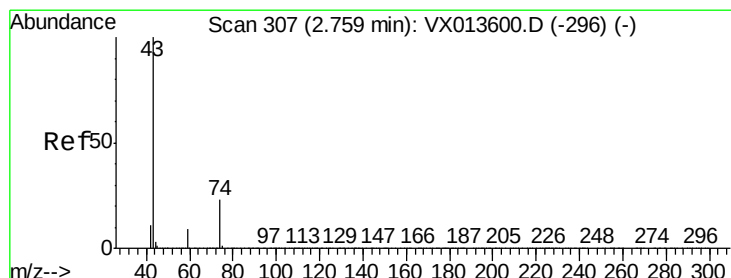
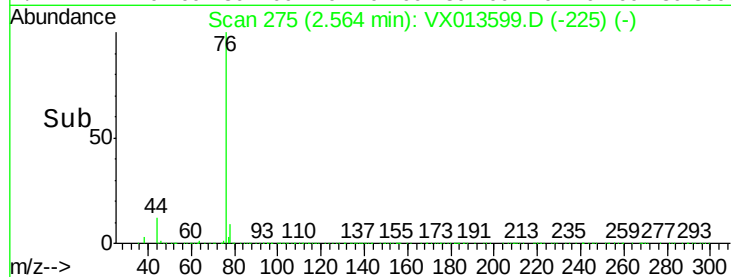
100000

50000

0

2.50 2.60 2.70

Time-->



#18

Methyl Acetate

Concen: 21.268 ug/l

RT: 2.76 min Scan# 307

Delta R.T. 0.00 min

Lab File: VX013599.D

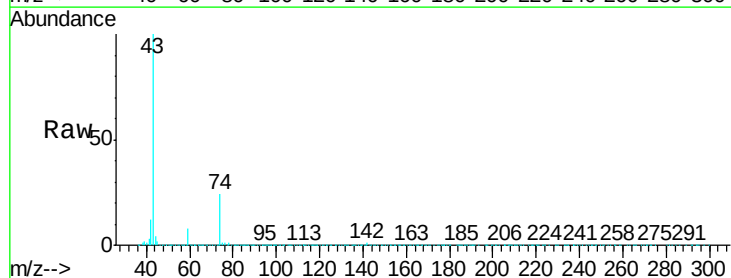
Acq: 26 Nov 2019 14:18

Tgt Ion: 43 Resp: 231005

Ion Ratio Lower Upper

43 100

74 23.3 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

150000

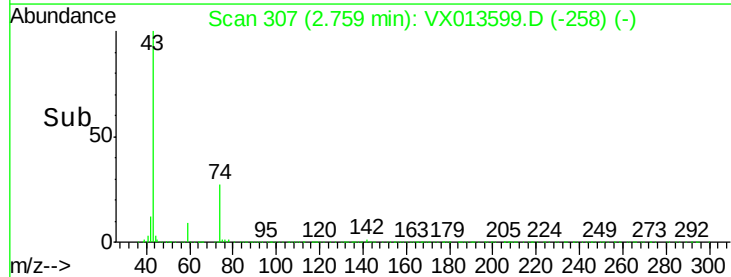
100000

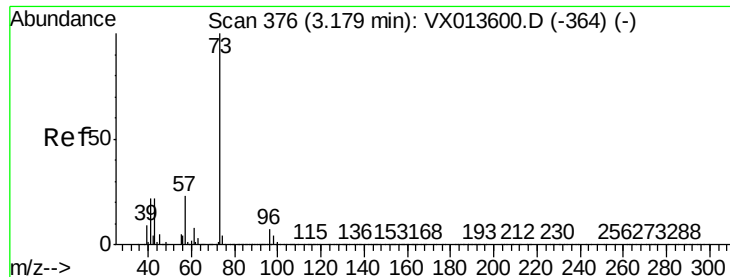
50000

0

2.70 2.80 2.90

Time-->



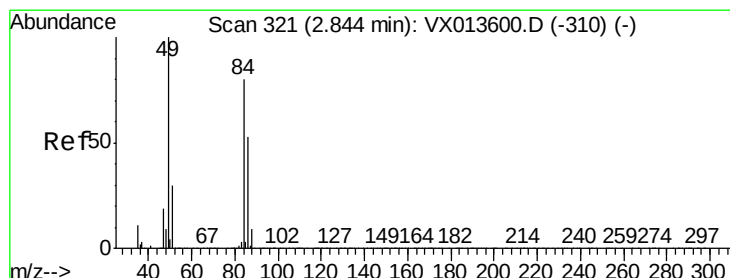
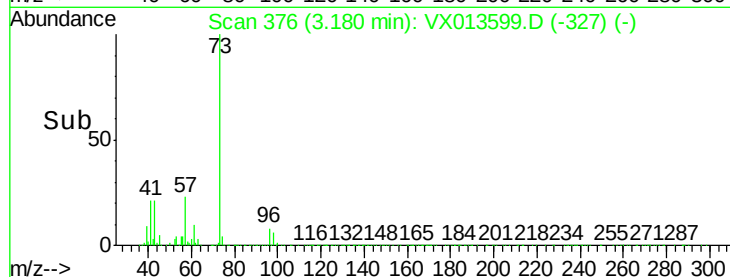
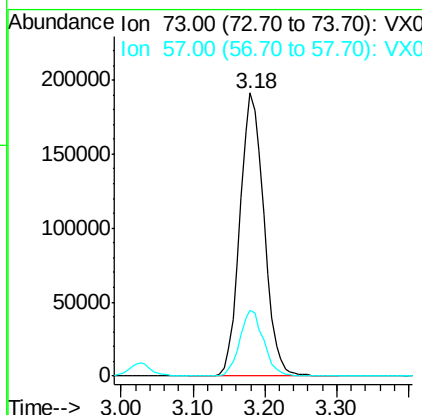
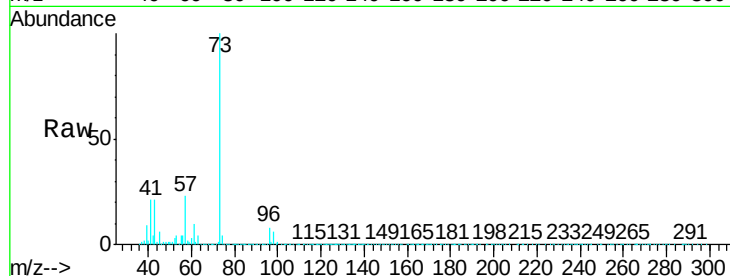


#19

Methyl tert-butyl Ether
Concen: 21.775 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX013599.D
Acq: 26 Nov 2019 14:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

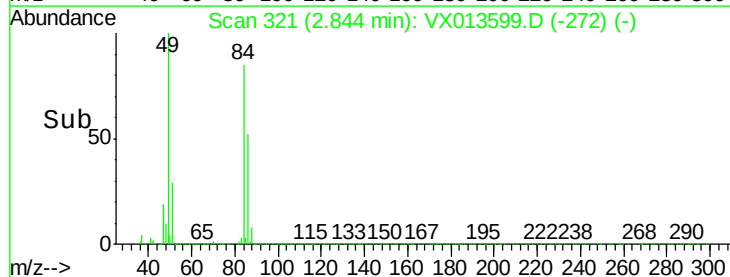
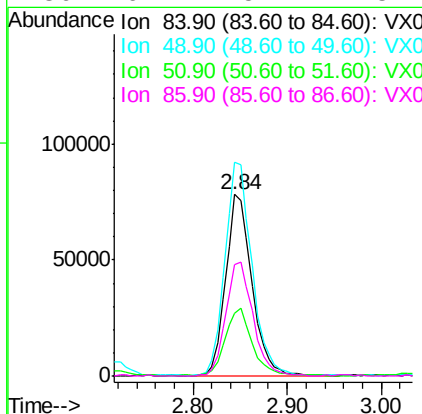
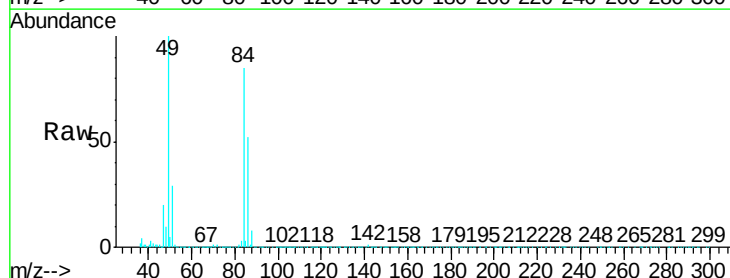
Tgt Ion: 73 Resp: 444837
Ion Ratio Lower Upper
73 100
57 22.9 18.3 27.5

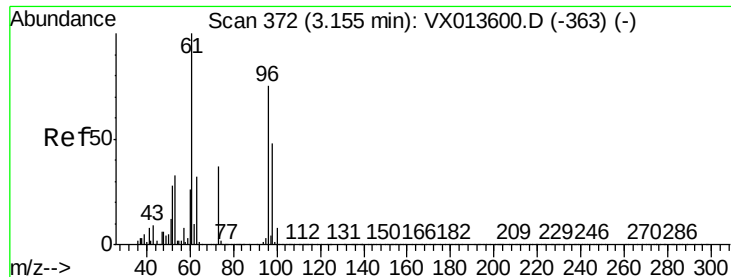


#20

Methylene Chloride
Concen: 20.631 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013599.D
Acq: 26 Nov 2019 14:18

Tgt Ion: 84 Resp: 150714
Ion Ratio Lower Upper
84 100
49 117.5 99.7 149.5
51 34.2 29.9 44.9
86 61.1 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 21.209 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013599.D

Acq: 26 Nov 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

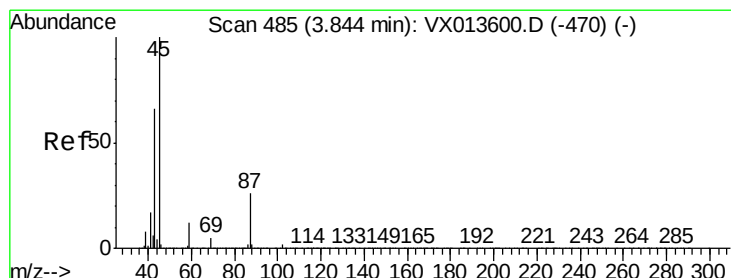
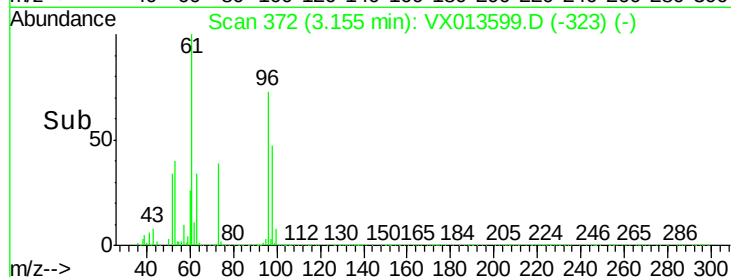
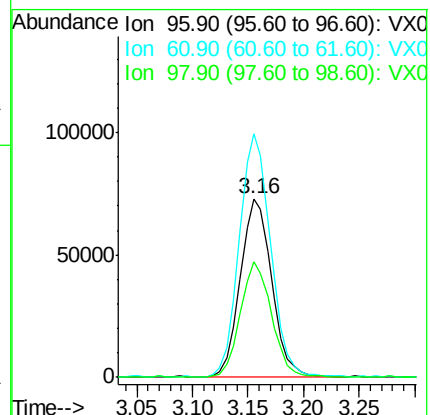
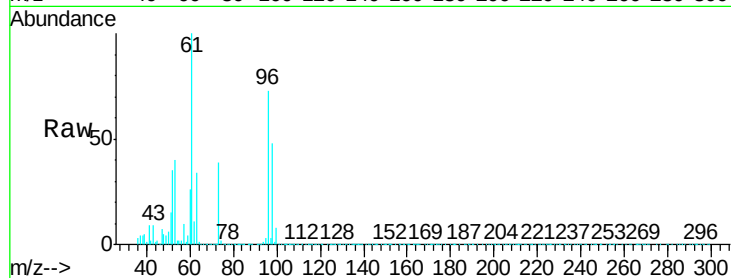
Tgt Ion: 96 Resp: 141896

Ion Ratio Lower Upper

96 100

61 136.3 107.2 160.8

98 64.6 51.4 77.0



#22

Diisopropyl ether

Concen: 22.120 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX013599.D

Acq: 26 Nov 2019 14:18

Tgt Ion: 45 Resp: 475896

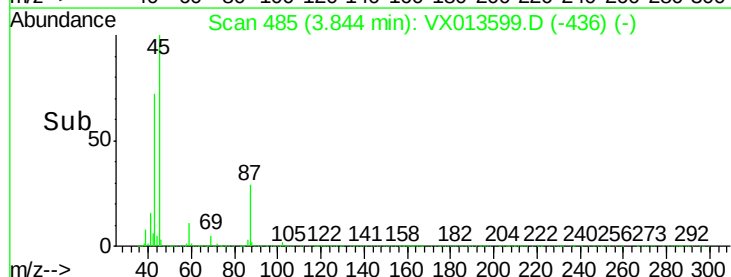
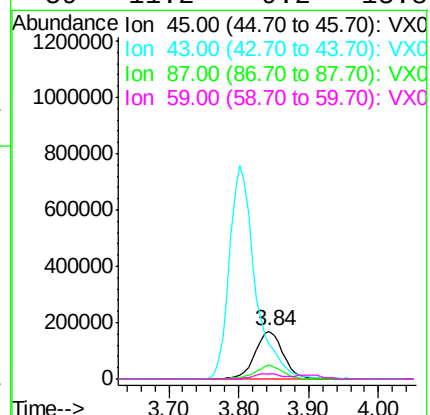
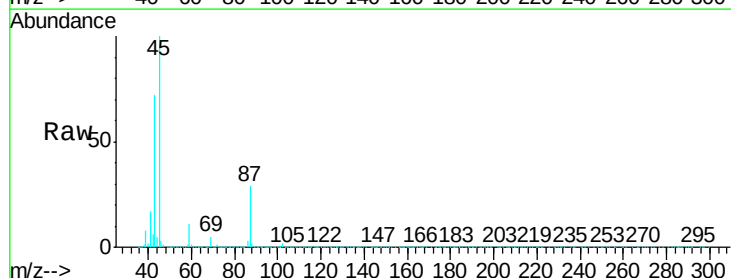
Ion Ratio Lower Upper

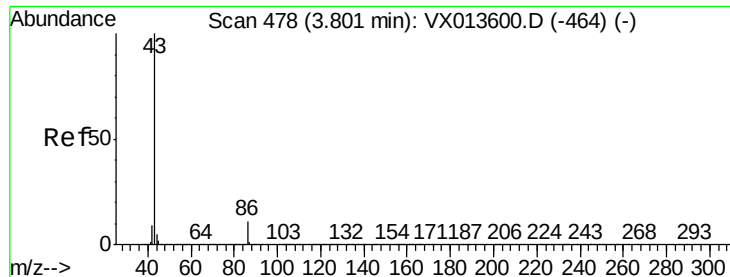
45 100

43 71.5 52.6 79.0

87 29.1 21.1 31.7

59 11.2 9.2 13.8





#23

Vinyl Acetate

Concen: 106.450 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX013599.D

Acq: 26 Nov 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

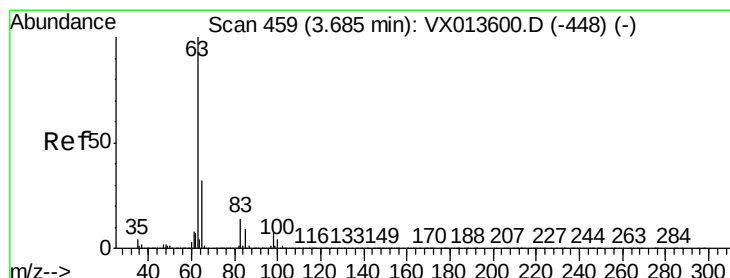
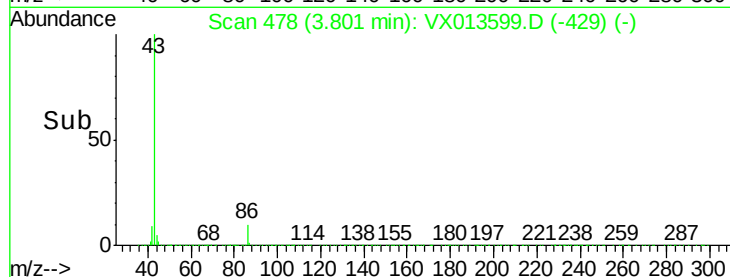
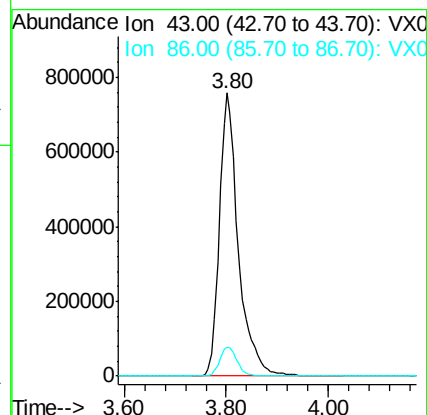
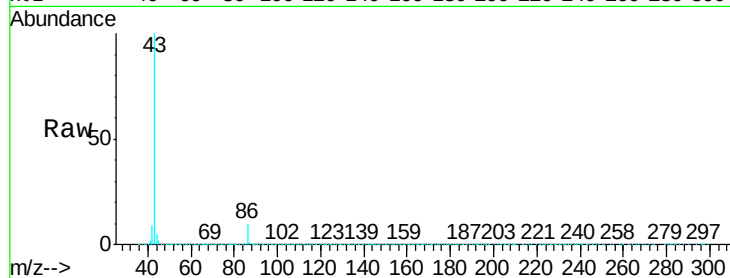
VSTDIC020

Tgt Ion: 43 Resp: 1953405

Ion Ratio Lower Upper

43 100

86 10.3 8.7 13.1



#24

1,1-Dichloroethane

Concen: 21.340 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX013599.D

Acq: 26 Nov 2019 14:18

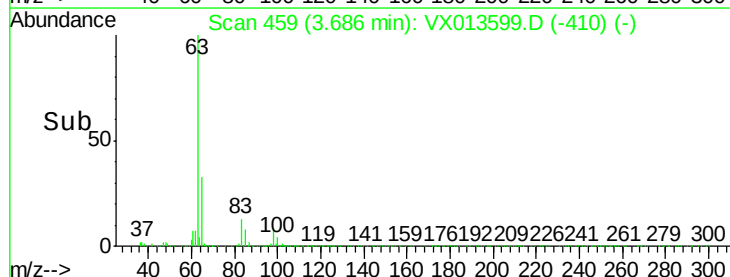
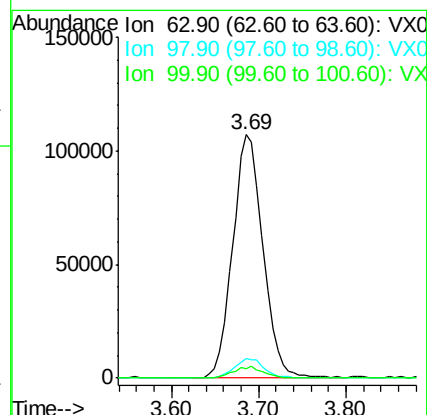
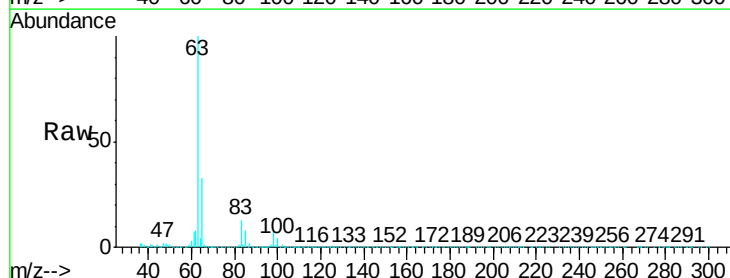
Tgt Ion: 63 Resp: 256911

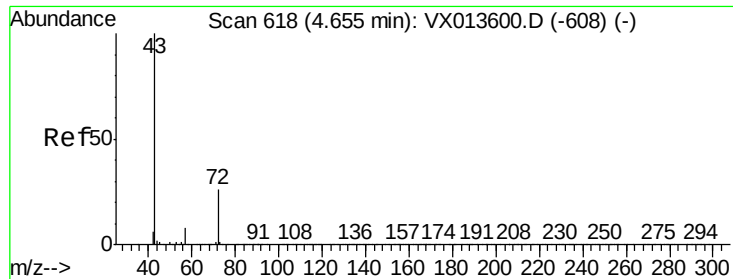
Ion Ratio Lower Upper

63 100

98 7.8 3.5 10.4

100 3.8 2.1 6.3





#25

2-Butanone

Concen: 104.809 ug/l

RT: 4.65 min Scan# 618

Delta R.T. 0.00 min

Lab File: VX013599.D

Acq: 26 Nov 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

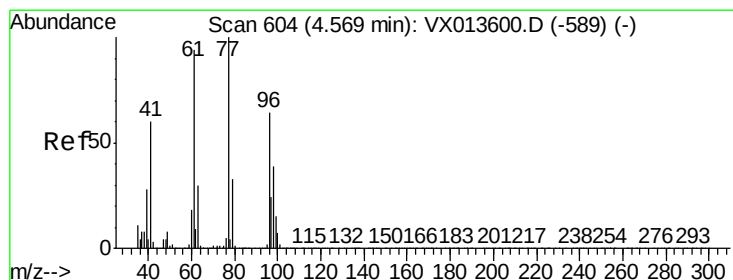
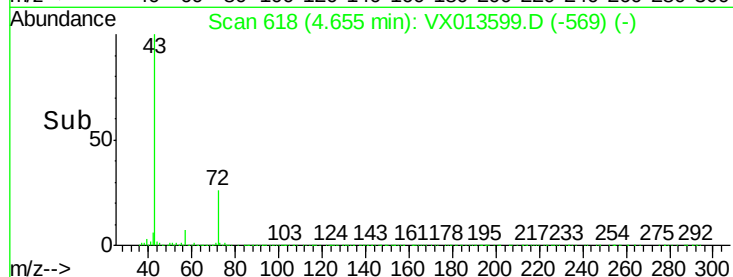
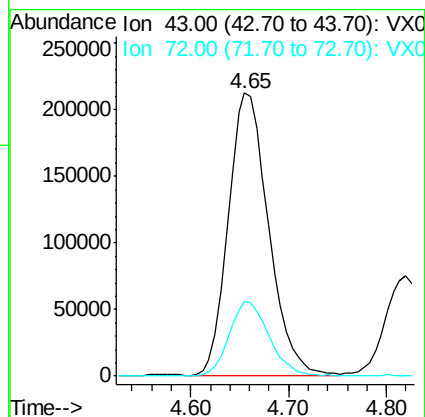
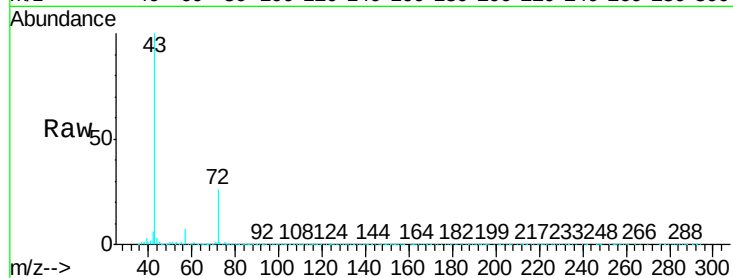
VSTDIC020

Tgt Ion: 43 Resp: 603269

Ion Ratio Lower Upper

43 100

72 26.1 20.6 31.0



#26

2,2-Dichloropropane

Concen: 21.533 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX013599.D

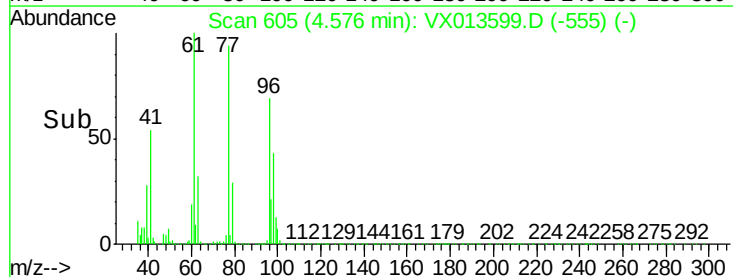
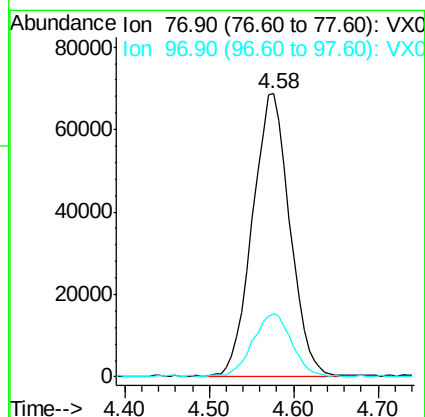
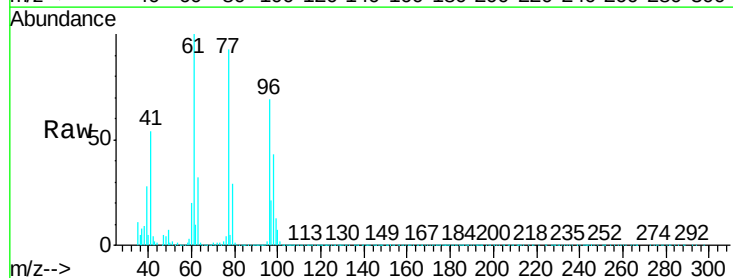
Acq: 26 Nov 2019 14:18

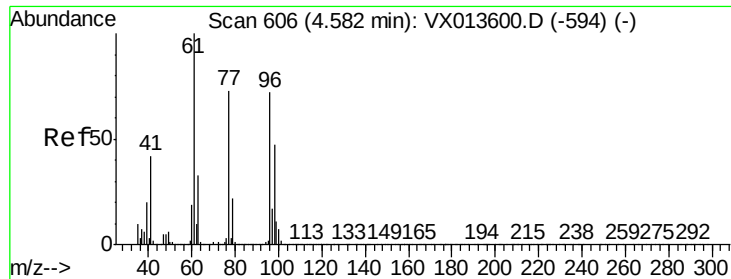
Tgt Ion: 77 Resp: 207077

Ion Ratio Lower Upper

77 100

97 23.9 12.0 36.1



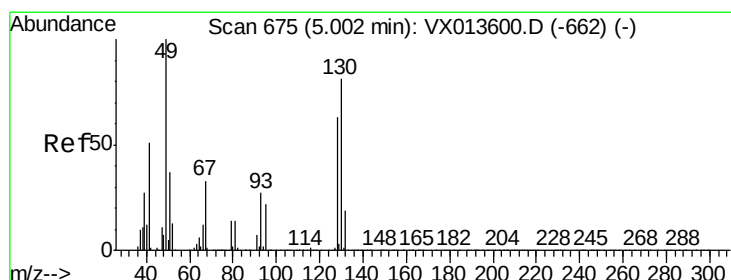
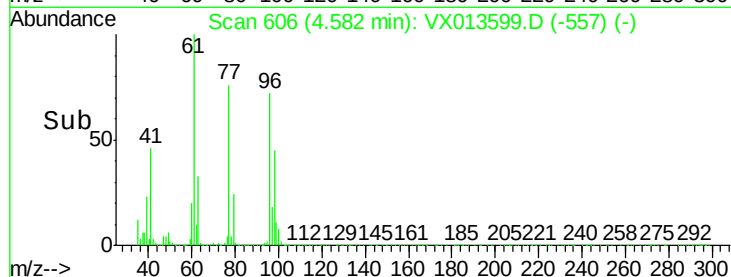
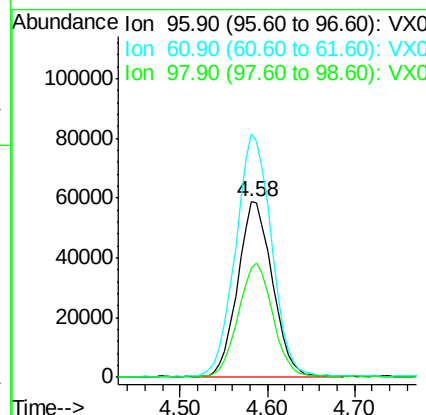
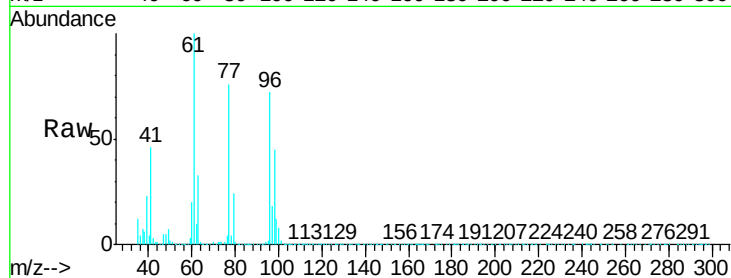


#27

cis-1,2-Dichloroethene
Concen: 21.533 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX013599.D
Acq: 26 Nov 2019 14:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

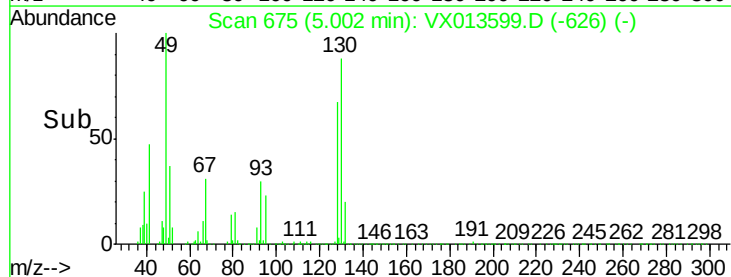
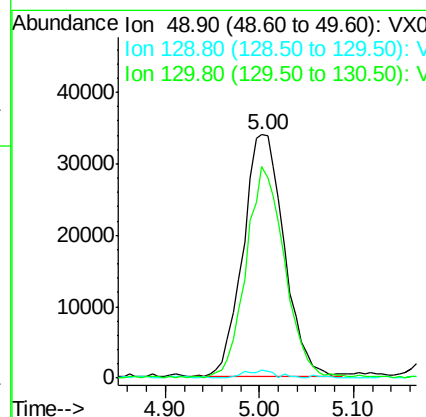
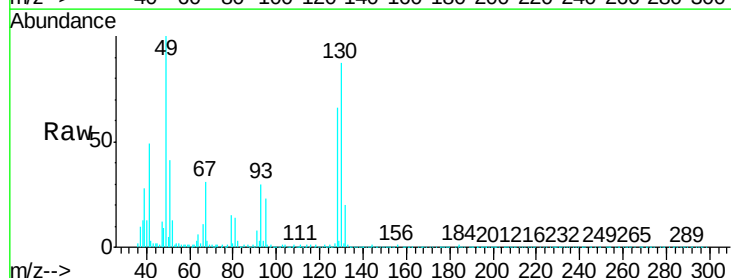
Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.0	0.0	286.4
98	64.3	0.0	127.4

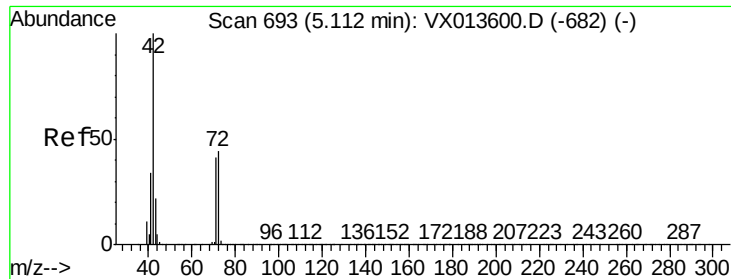


#28

Bromochloromethane
Concen: 28.235 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX013599.D
Acq: 26 Nov 2019 14:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	5.0
130	81.0	65.4	98.0





#29

Tetrahydrofuran

Concen: 105.289 ug/l

RT: 5.11 min Scan# 693

Delta R.T. 0.00 min

Lab File: VX013599.D

Acq: 26 Nov 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

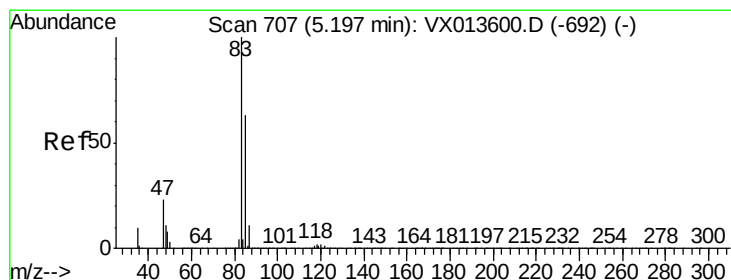
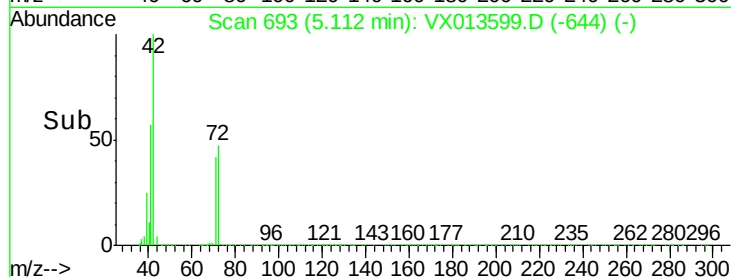
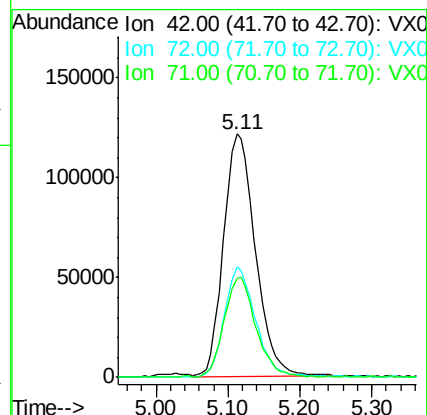
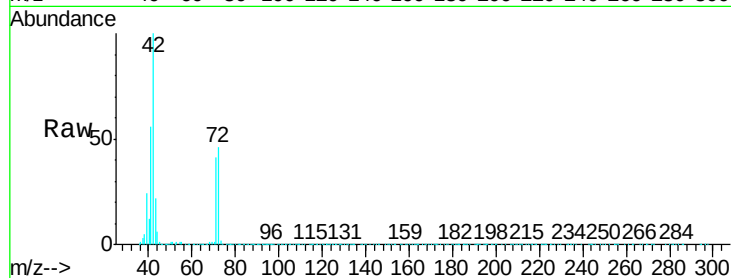
Tgt Ion: 42 Resp: 372598

Ion Ratio Lower Upper

42 100

72 44.6 36.3 54.5

71 41.6 33.2 49.8



#30

Chloroform

Concen: 21.339 ug/l

RT: 5.20 min Scan# 707

Delta R.T. 0.00 min

Lab File: VX013599.D

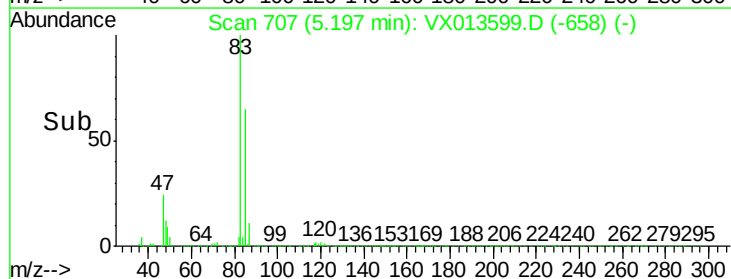
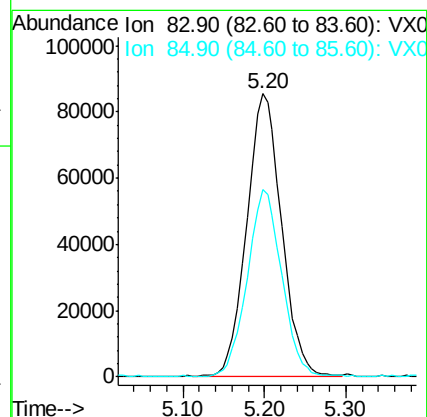
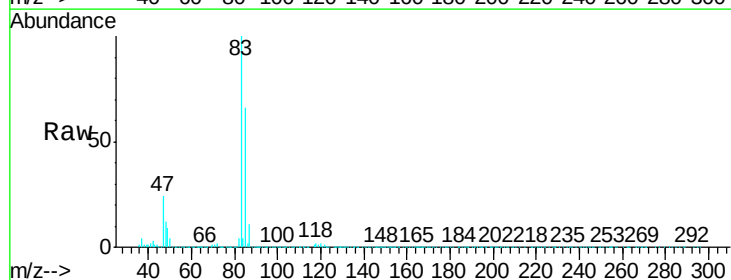
Acq: 26 Nov 2019 14:18

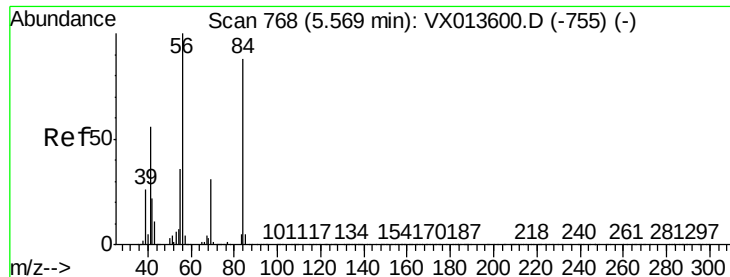
Tgt Ion: 83 Resp: 253347

Ion Ratio Lower Upper

83 100

85 65.8 50.2 75.4

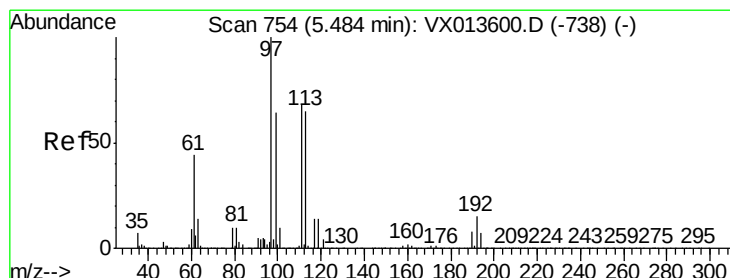
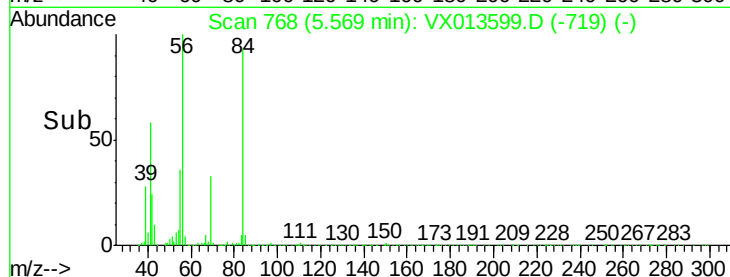
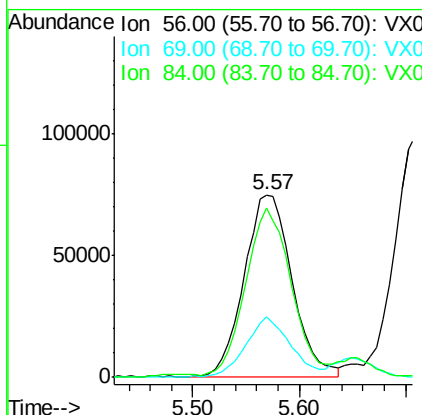
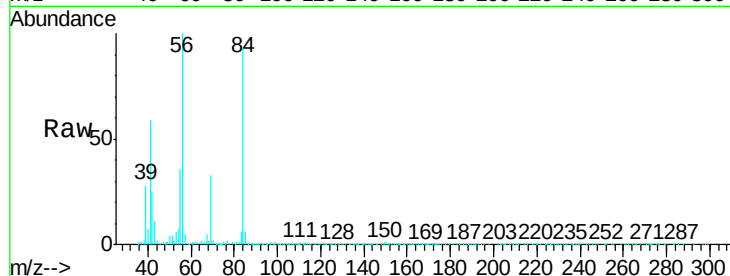




#31
Cyclohexane
Concen: 21.423 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX013599.D
Acq: 26 Nov 2019 14:18

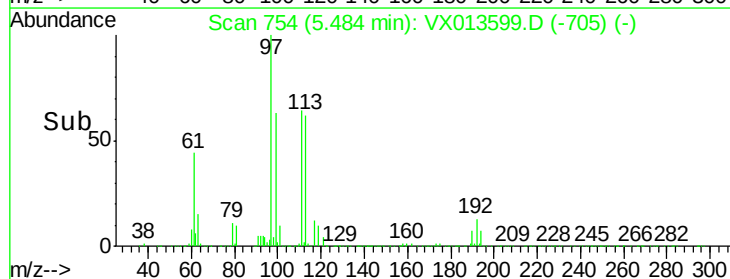
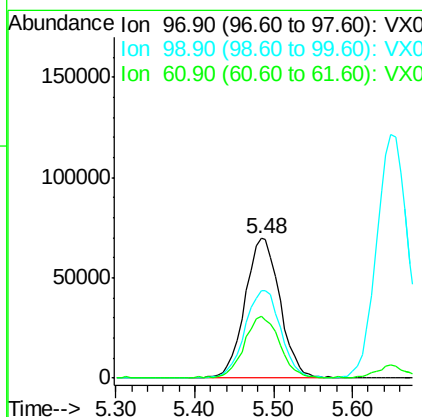
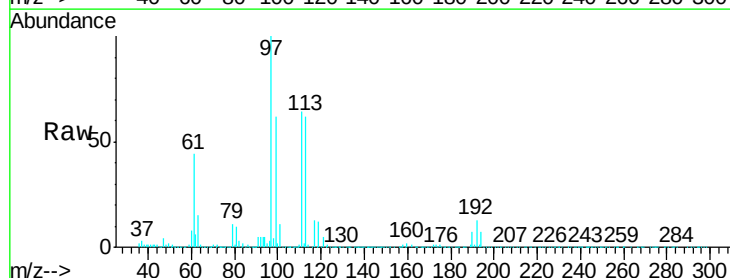
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

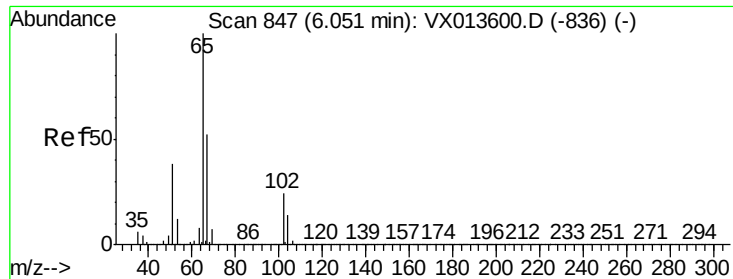
Tgt Ion	Ratio	Lower	Upper
56	100		
69	33.4	24.6	36.8
84	92.3	70.0	105.0



#32
1,1,1-Trichloroethane
Concen: 20.934 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX013599.D
Acq: 26 Nov 2019 14:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.6	77.4
61	44.5	36.1	54.1

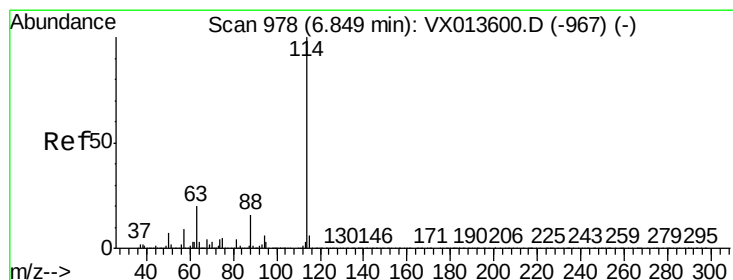
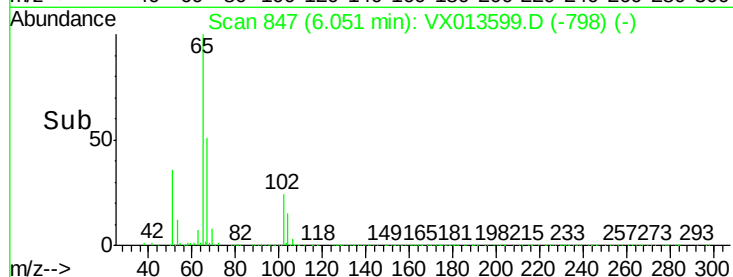
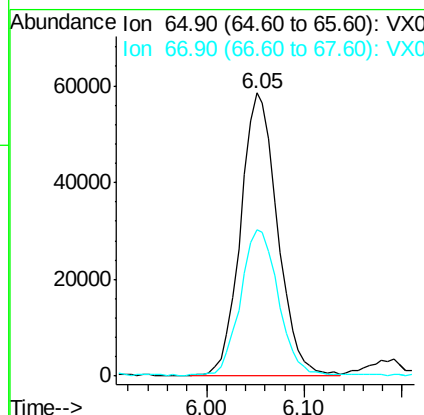
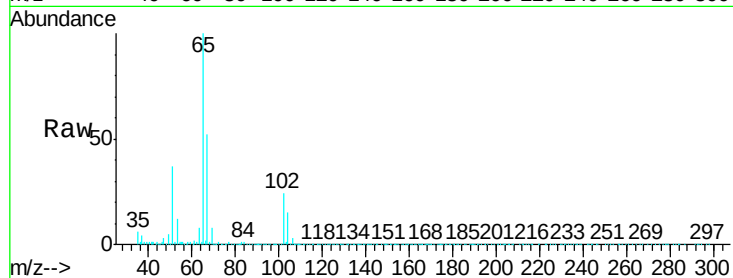




#33
 1,2-Dichloroethane-d4
 Concen: 19.367 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX013599.D
 Acq: 26 Nov 2019 14:18

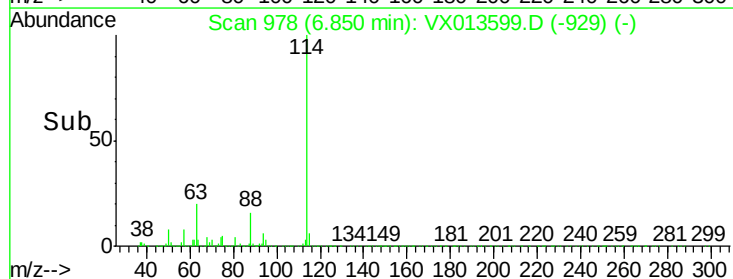
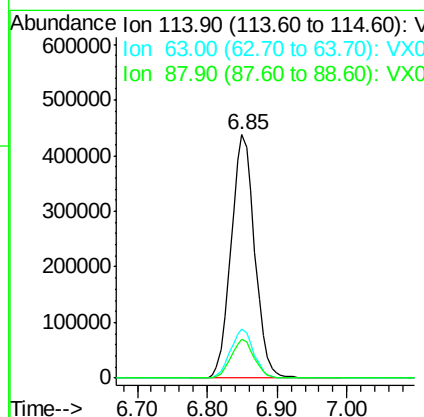
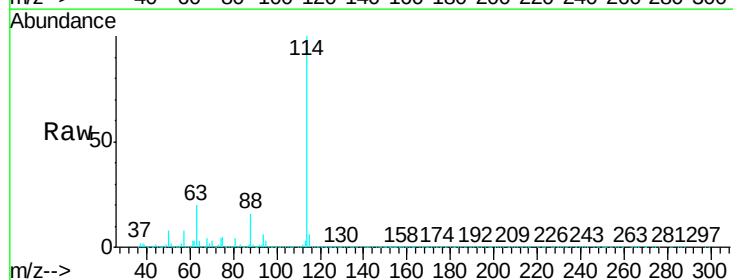
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

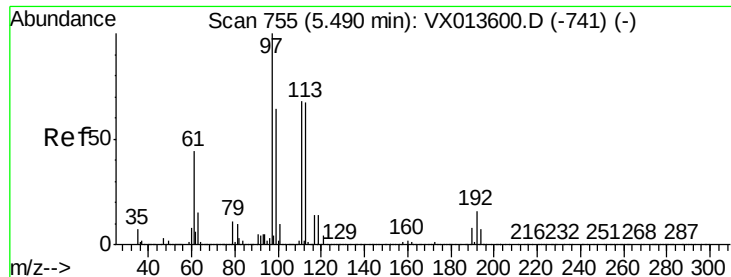
Tgt Ion: 65 Resp: 152193
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013599.D
 Acq: 26 Nov 2019 14:18

Tgt Ion: 114 Resp: 1025127
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.6
 88 15.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 20.018 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX013599.D

Acq: 26 Nov 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

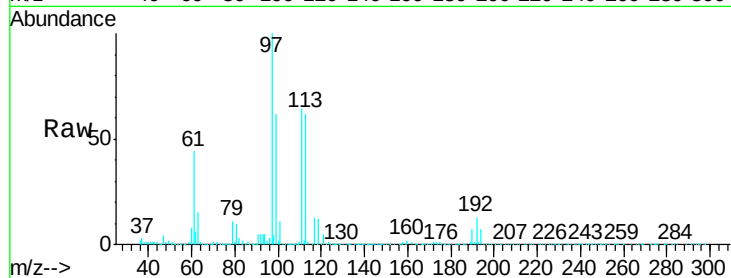
Tgt Ion: 113 Resp: 127106

Ion Ratio Lower Upper

113 100

111 101.6 83.6 125.4

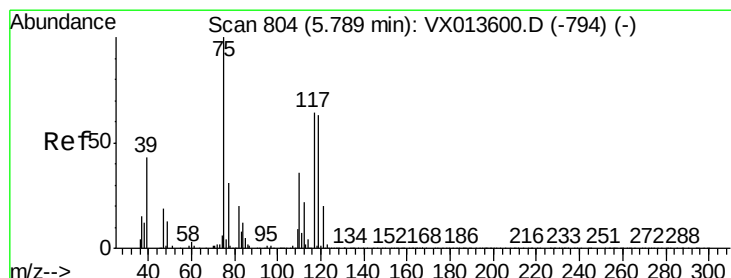
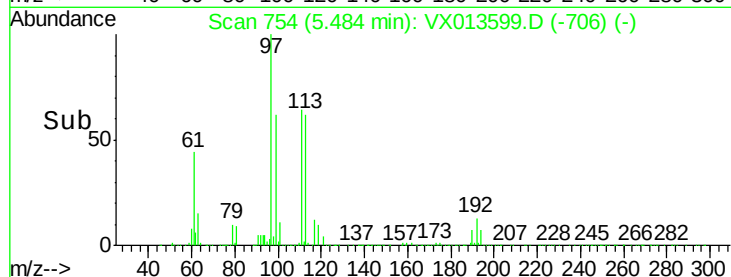
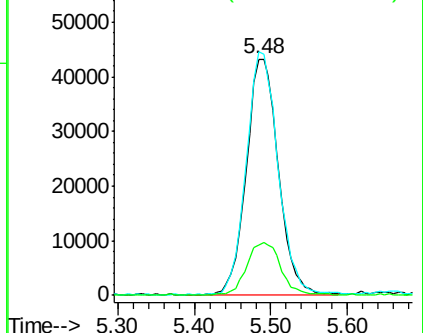
192 23.3 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 21.592 ug/l

RT: 5.79 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX013599.D

Acq: 26 Nov 2019 14:18

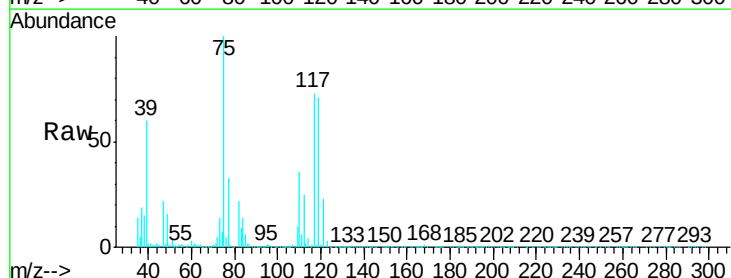
Tgt Ion: 75 Resp: 189172

Ion Ratio Lower Upper

75 100

110 37.1 18.1 54.1

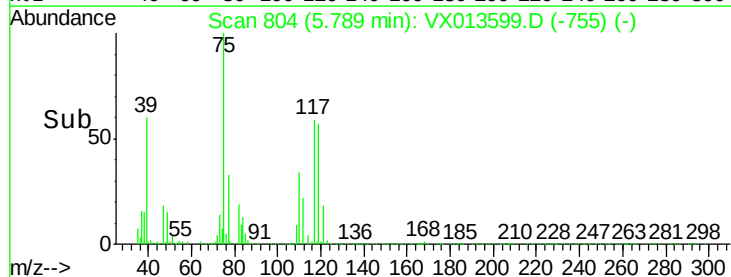
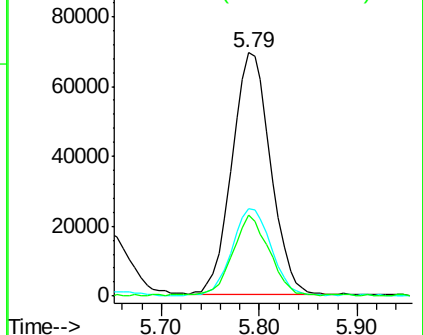
77 30.8 24.5 36.7

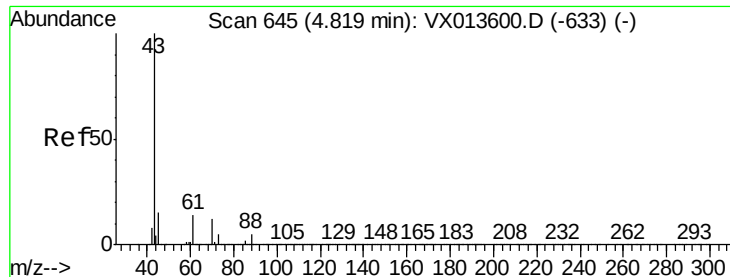


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

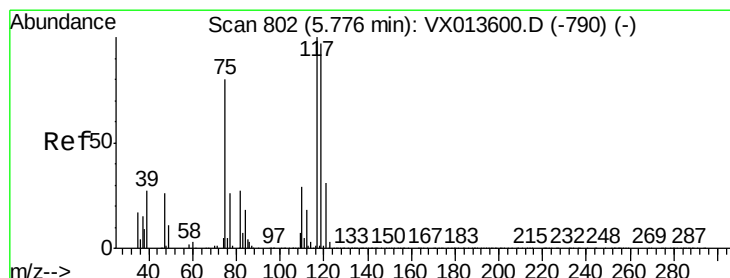
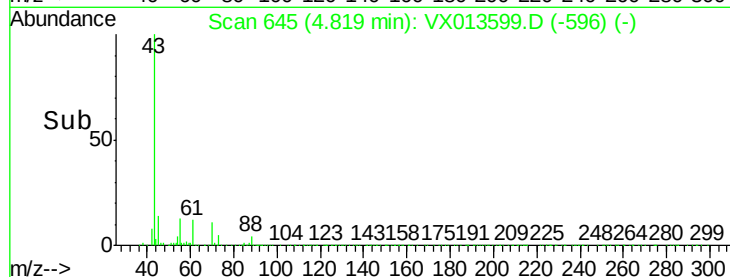
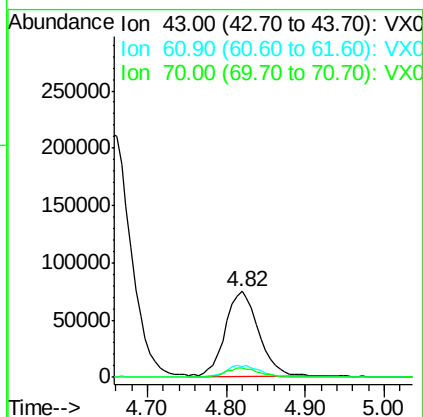
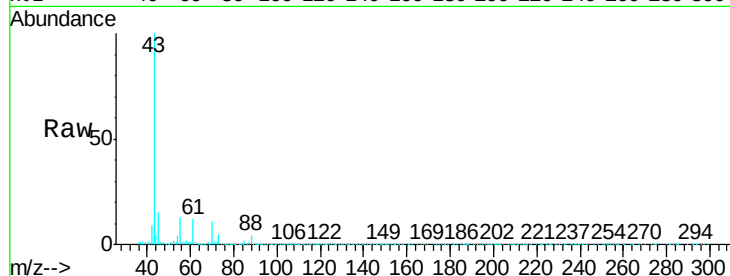




#37
Ethyl Acetate
Concen: 20.471 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX013599.D
Acq: 26 Nov 2019 14:18

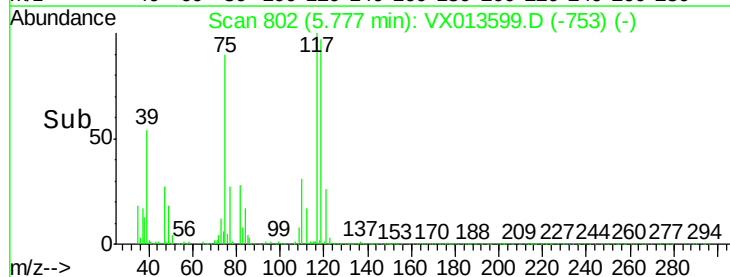
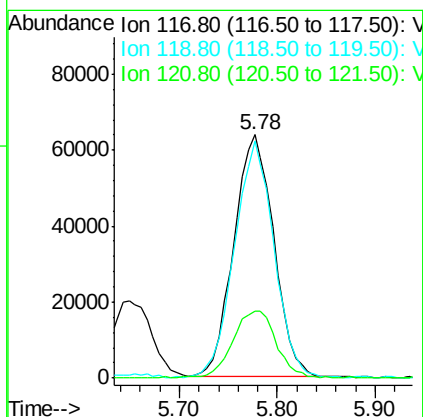
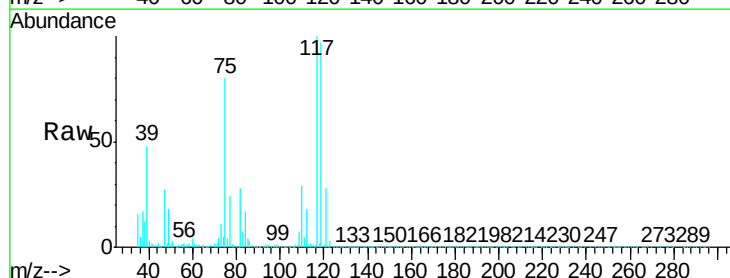
Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

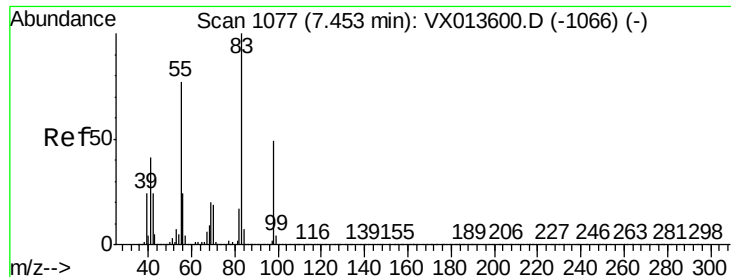
Tgt Ion: 43 Resp: 219923
Ion Ratio Lower Upper
43 100
61 13.4 11.0 16.4
70 10.9 8.6 12.8



#38
Carbon Tetrachloride
Concen: 21.316 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX013599.D
Acq: 26 Nov 2019 14:18

Tgt Ion: 117 Resp: 181448
Ion Ratio Lower Upper
117 100
119 97.4 77.5 116.3
121 27.5 25.0 37.6

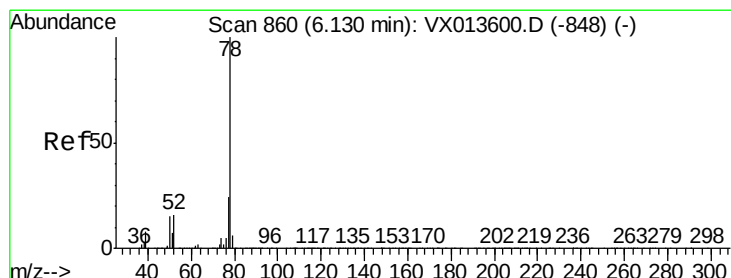
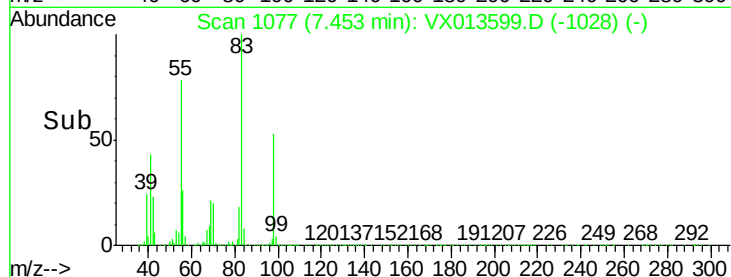
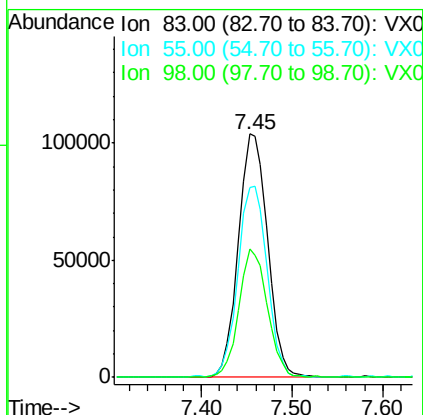
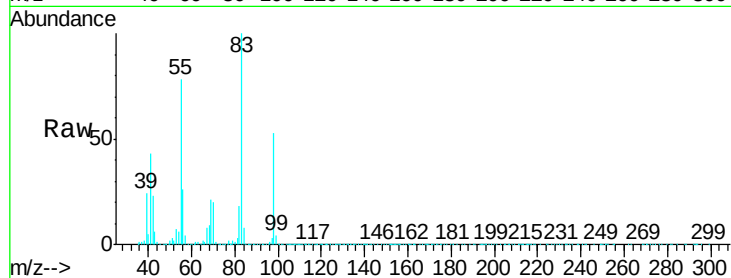




#39
Methylcyclohexane
Concen: 21.024 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VX013599.D
Acq: 26 Nov 2019 14:18

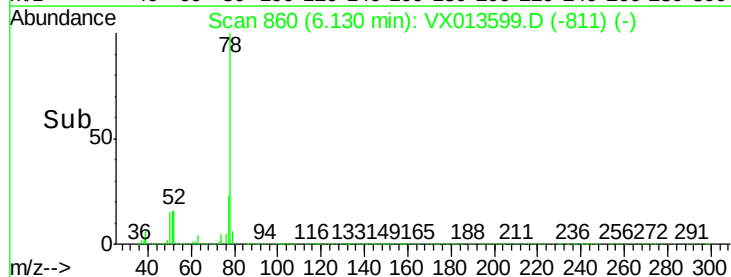
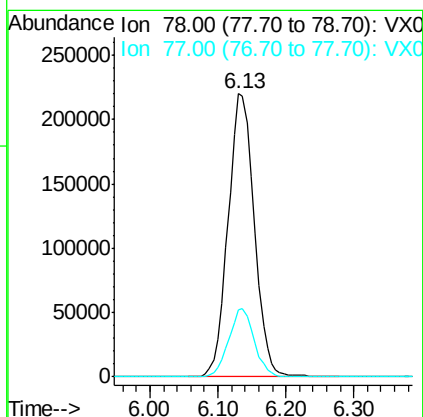
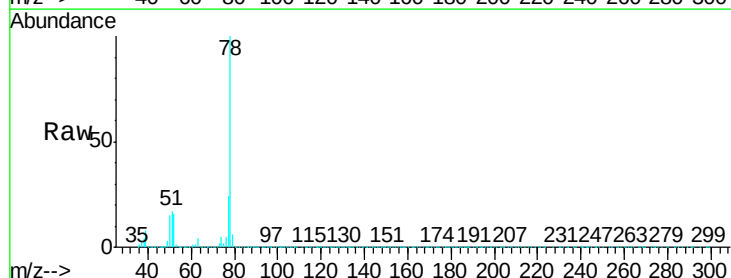
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

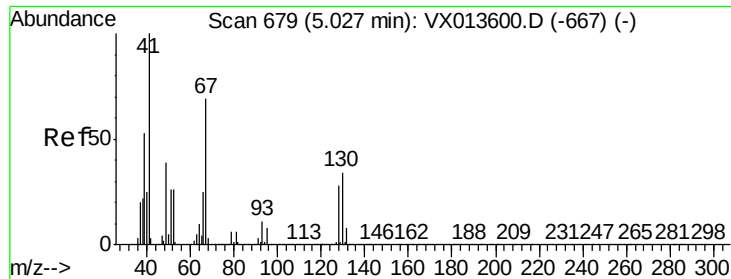
Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.7	61.9	92.9
98	52.6	39.4	59.0



#40
Benzene
Concen: 21.508 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX013599.D
Acq: 26 Nov 2019 14:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4

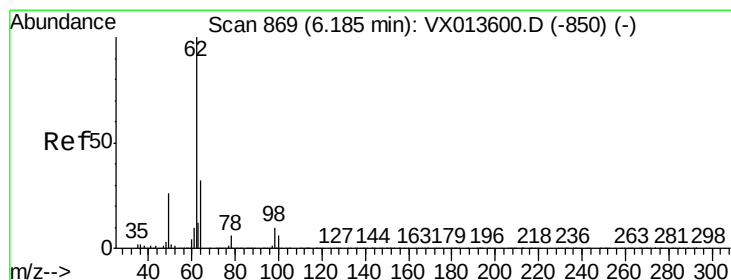
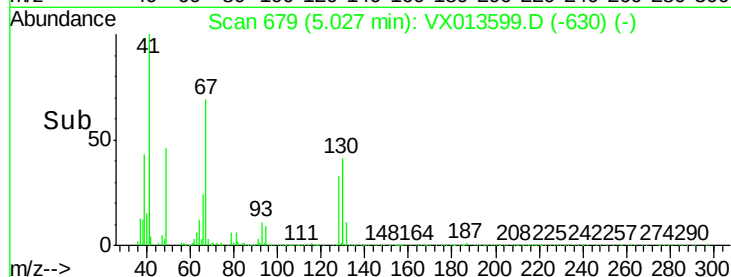
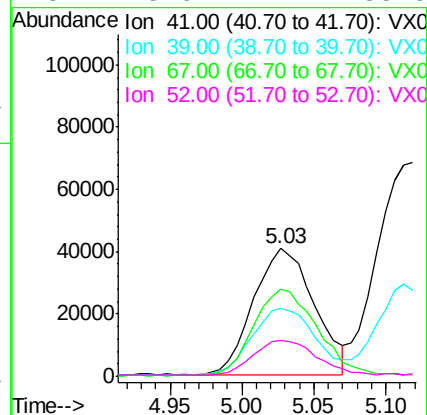
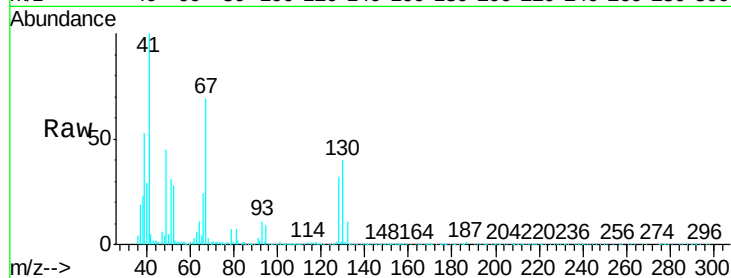




#41
Methacrylonitrile
Concen: 19.874 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX013599.D
Acq: 26 Nov 2019 14:18

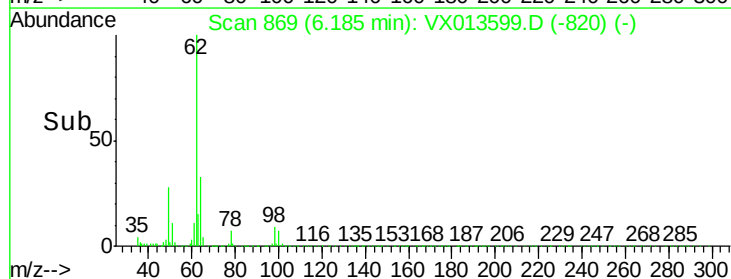
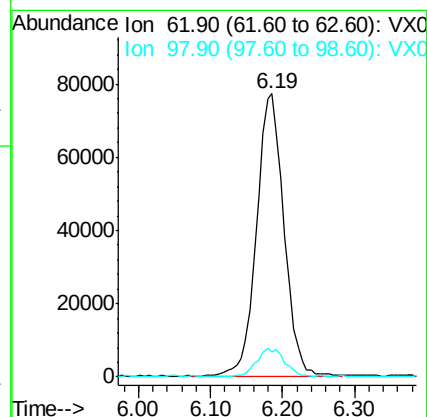
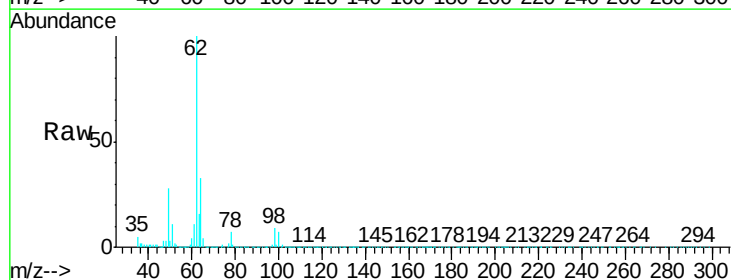
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

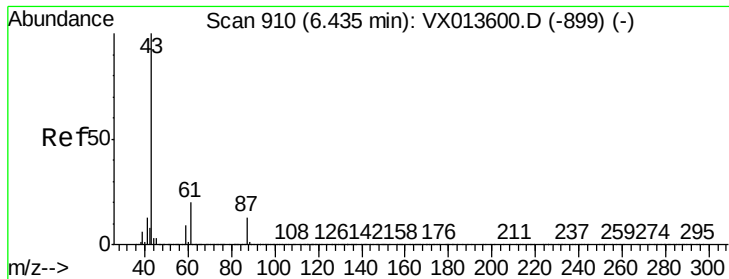
Tgt Ion:	41	Resp:	119676
Ion	Ratio	Lower	Upper
41	100		
39	56.6	42.9	64.3
67	71.1	57.4	86.0
52	28.6	22.4	33.6



#42
1,2-Dichloroethane
Concen: 21.012 ug/l
RT: 6.19 min Scan# 869
Delta R.T. 0.00 min
Lab File: VX013599.D
Acq: 26 Nov 2019 14:18

Tgt Ion:	62	Resp:	204221
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.8





#43

Isopropyl Acetate

Concen: 21.114 ug/l

RT: 6.44 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX013599.D

Acq: 26 Nov 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

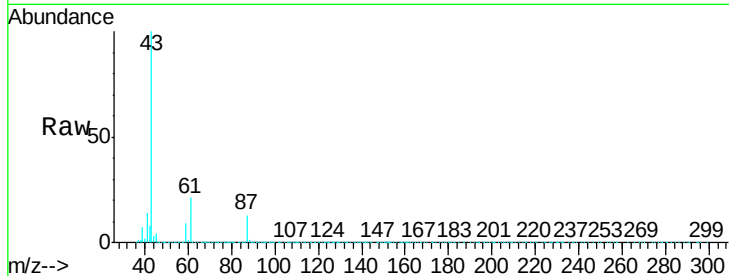
Tgt Ion: 43 Resp: 353900

Ion Ratio Lower Upper

43 100

61 20.6 16.3 24.5

87 13.5 10.8 16.2



Abundance Ion 43.00 (42.70 to 43.70): VX013600.D (-899) (-)

Ion 61.00 (60.70 to 61.70): VX013600.D (-899) (-)

Ion 87.00 (86.70 to 87.70): VX013600.D (-899) (-)

6.44

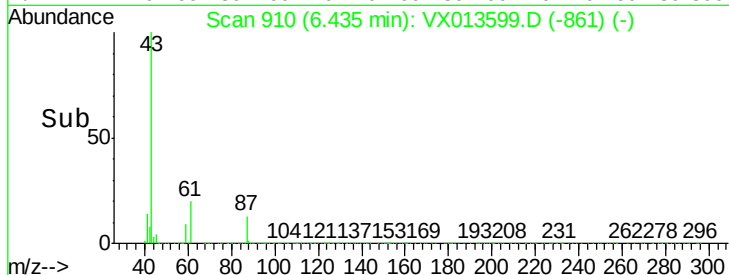
150000

100000

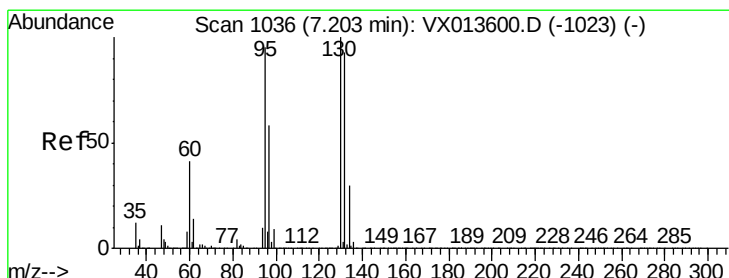
50000

0

6.30 6.40 6.50 6.60



Time-->



#44

Trichloroethene

Concen: 21.048 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013599.D

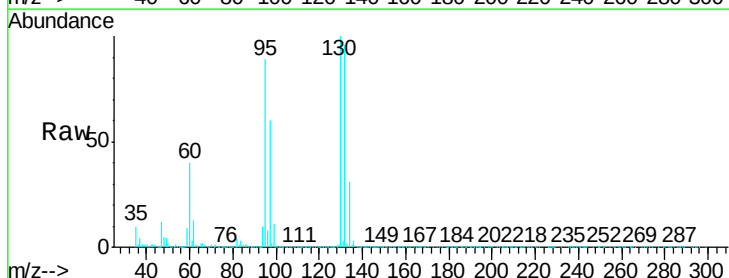
Acq: 26 Nov 2019 14:18

Tgt Ion: 130 Resp: 158478

Ion Ratio Lower Upper

130 100

95 89.2 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): VX013600.D (-1023) (-)

Ion 94.90 (94.60 to 95.60): VX013600.D (-1023) (-)

7.21

80000

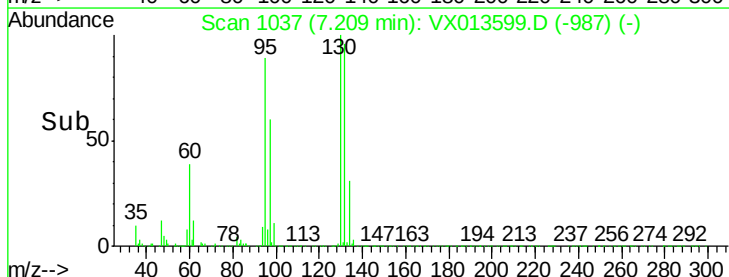
60000

40000

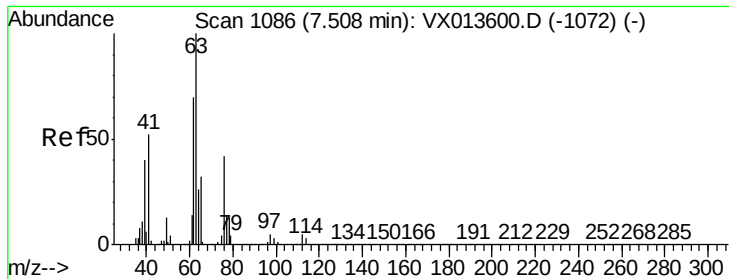
20000

0

7.10 7.20 7.30



Time-->



#45

1,2-Dichloropropane

Concen: 21.610 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX013599.D

Acq: 26 Nov 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

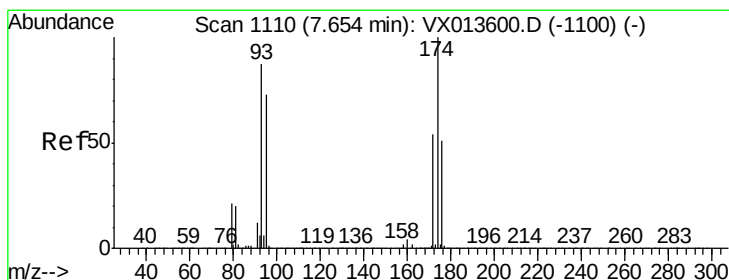
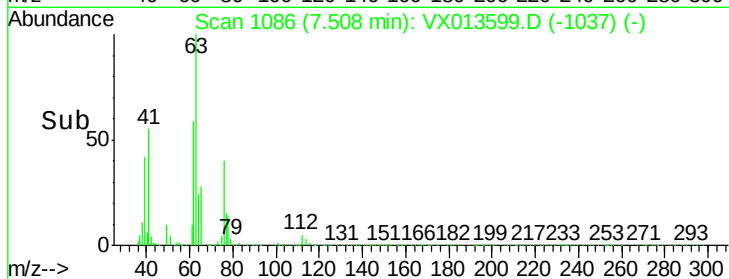
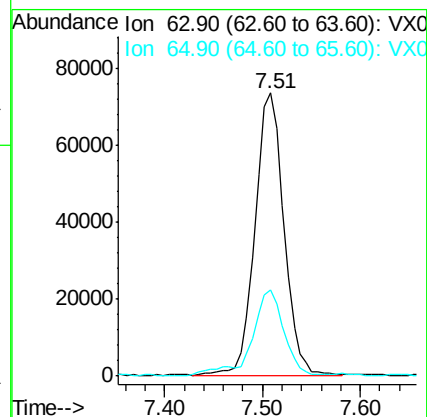
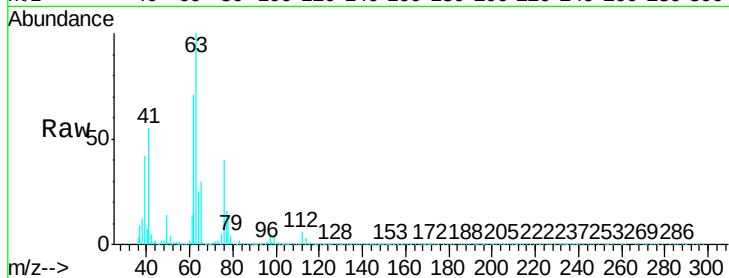
VSTDIC020

Tgt Ion: 63 Resp: 150107

Ion Ratio Lower Upper

63 100

65 29.8 25.5 38.3



#46

Dibromomethane

Concen: 20.680 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX013599.D

Acq: 26 Nov 2019 14:18

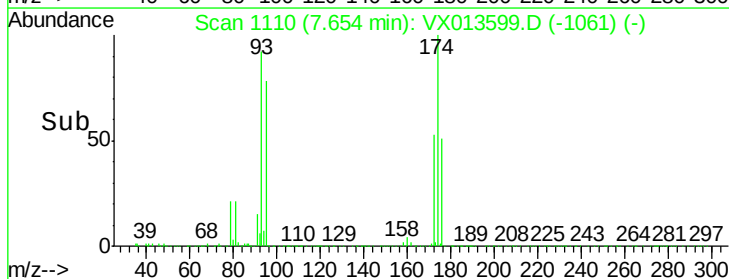
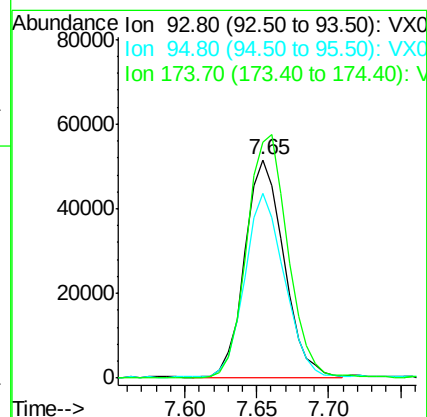
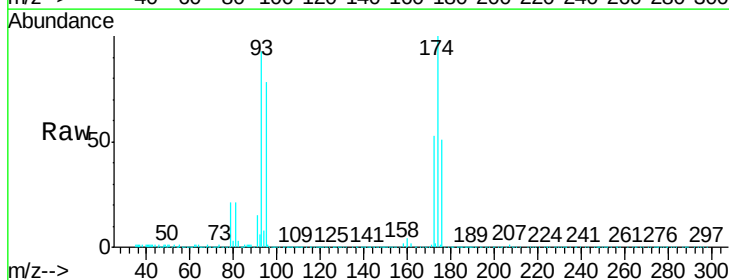
Tgt Ion: 93 Resp: 97608

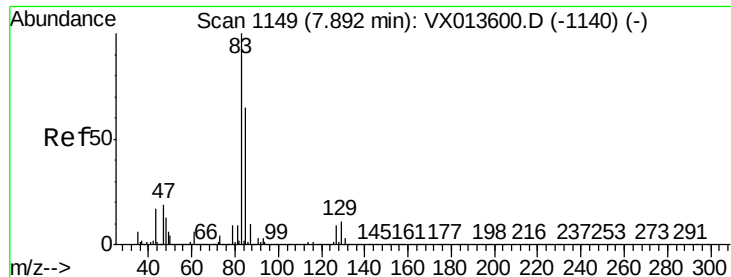
Ion Ratio Lower Upper

93 100

95 85.7 66.2 99.2

174 116.8 93.4 140.0





#47

Bromodichloromethane

Concen: 21.234 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX013599.D

Acq: 26 Nov 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

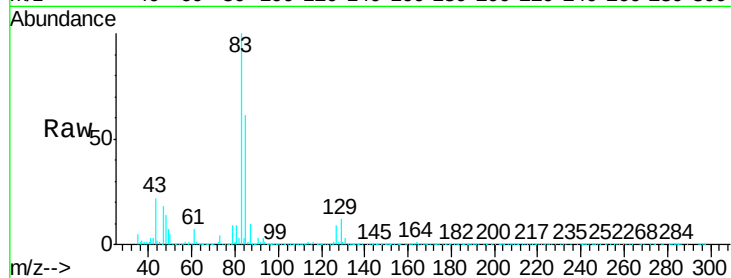
Tgt Ion: 83 Resp: 189348

Ion Ratio Lower Upper

83 100

85 60.4 52.1 78.1

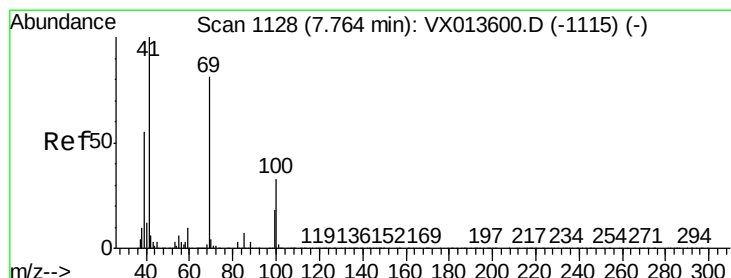
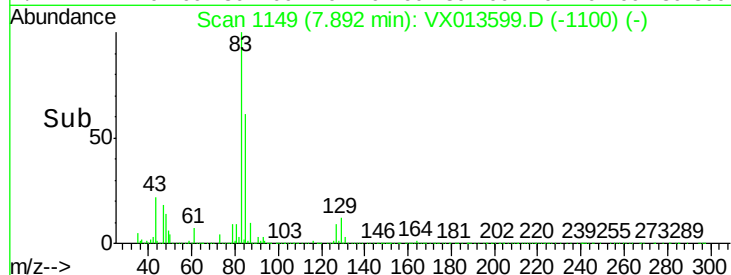
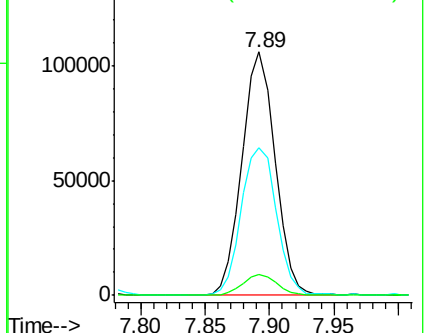
127 8.5 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.985 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX013599.D

Acq: 26 Nov 2019 14:18

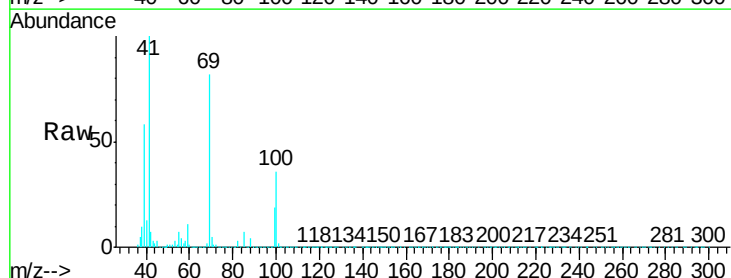
Tgt Ion: 41 Resp: 174920

Ion Ratio Lower Upper

41 100

69 81.5 64.7 97.1

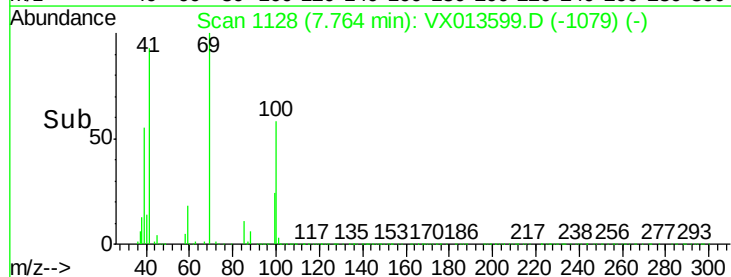
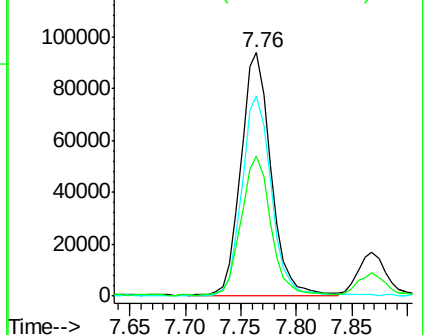
39 56.3 43.8 65.6

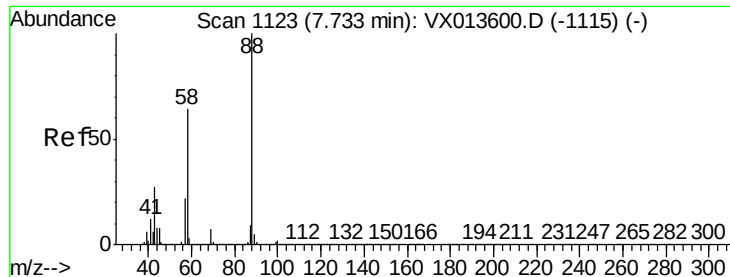


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 400.077 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX013599.D

Acq: 26 Nov 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

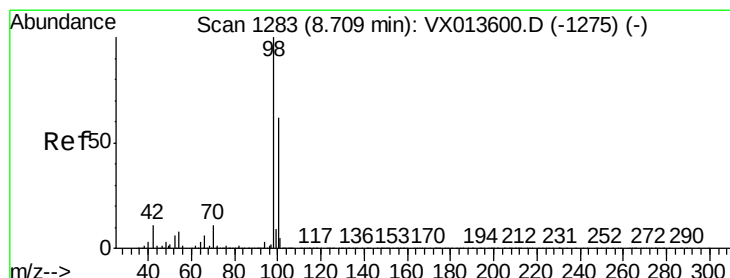
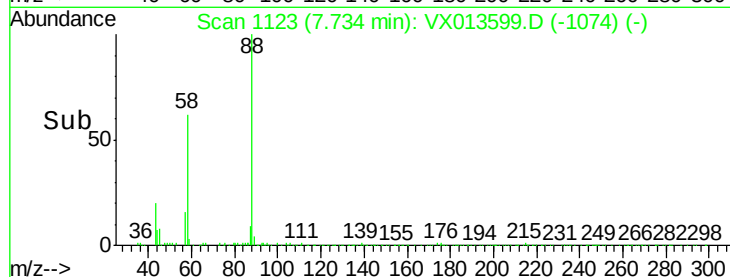
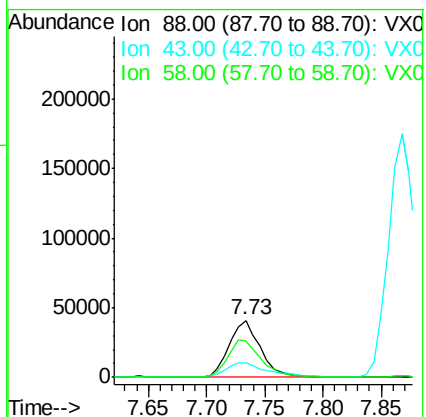
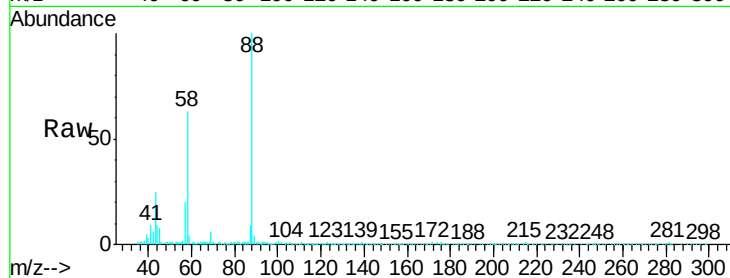
Tgt Ion: 88 Resp: 76169

Ion Ratio Lower Upper

88 100

43 34.9 25.8 38.6

58 69.5 54.6 82.0



#50

Toluene-d8

Concen: 20.477 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013599.D

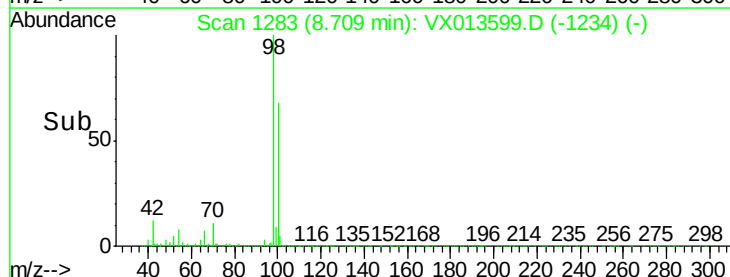
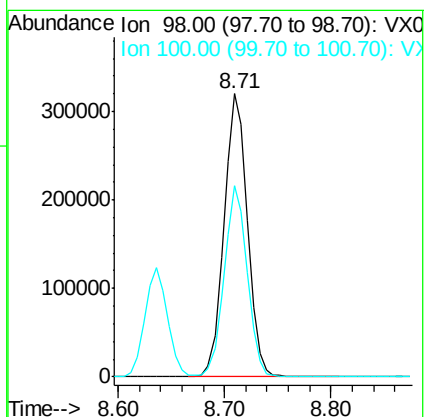
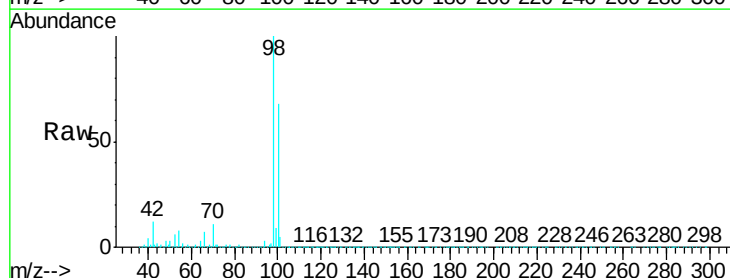
Acq: 26 Nov 2019 14:18

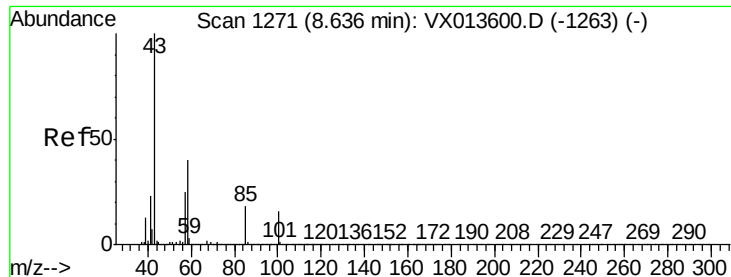
Tgt Ion: 98 Resp: 491126

Ion Ratio Lower Upper

98 100

100 66.4 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 102.940 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX013599.D

Acq: 26 Nov 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

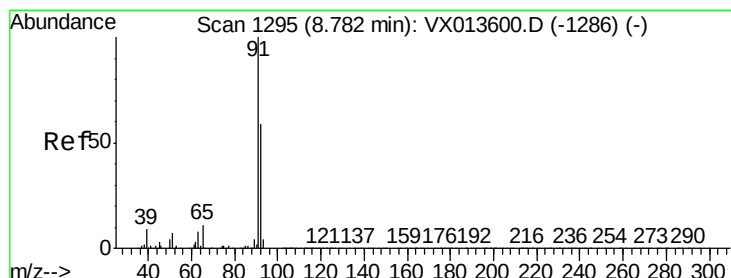
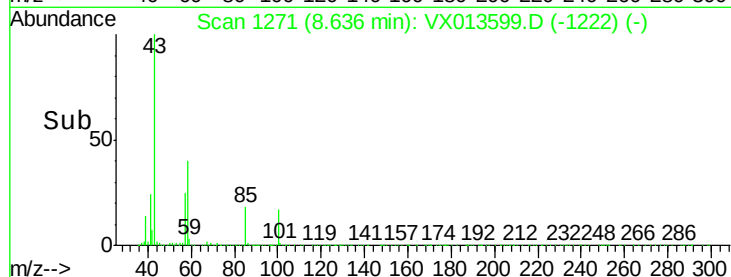
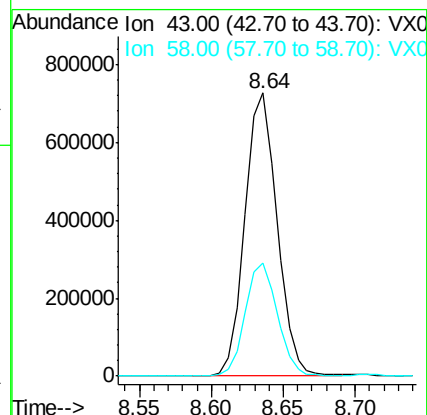
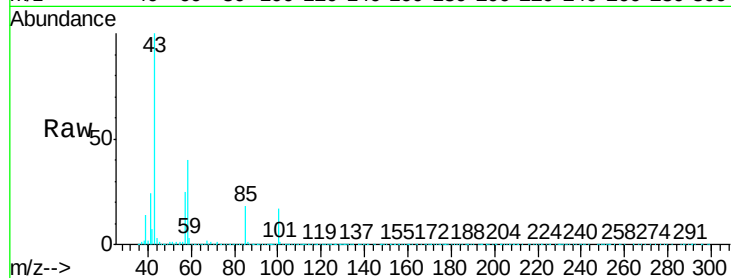
VSTDIC020

Tgt Ion: 43 Resp: 1125195

Ion Ratio Lower Upper

43 100

58 40.0 32.1 48.1



#52

Toluene

Concen: 21.606 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX013599.D

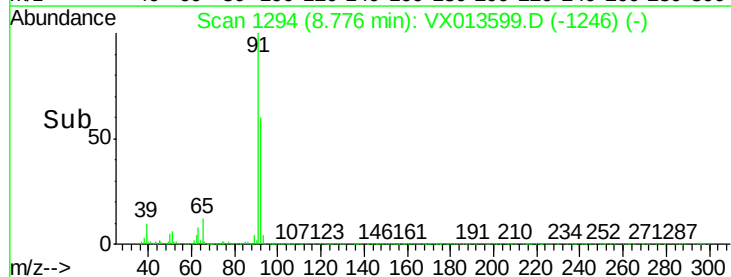
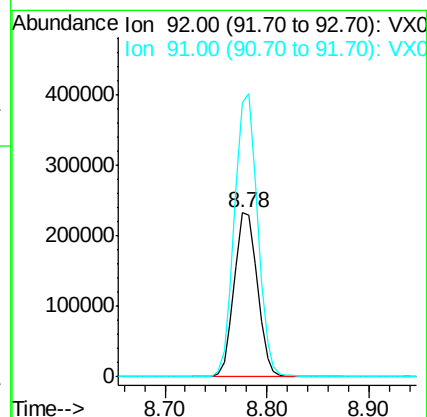
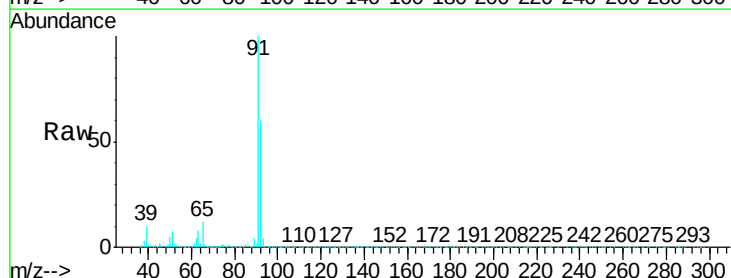
Acq: 26 Nov 2019 14:18

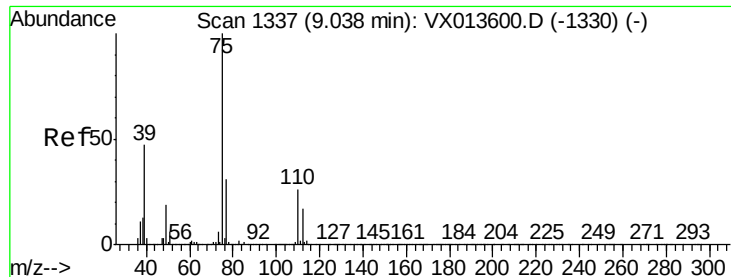
Tgt Ion: 92 Resp: 365776

Ion Ratio Lower Upper

92 100

91 171.2 136.2 204.2





#53

t-1,3-Dichloropropene

Concen: 21.301 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX013599.D

Acq: 26 Nov 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

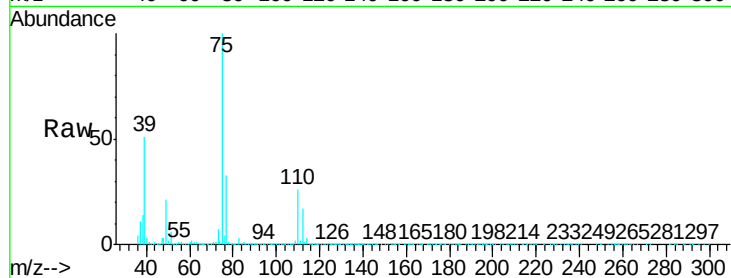
VSTDIC020

Tgt Ion: 75 Resp: 208484

Ion Ratio Lower Upper

75 100

77 32.5 24.4 36.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

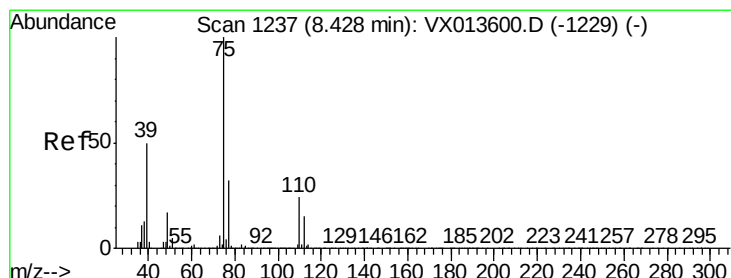
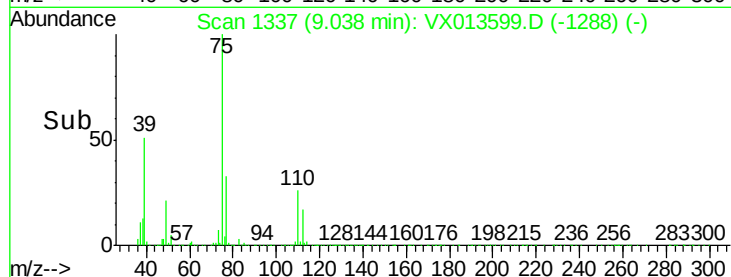
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 21.578 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX013599.D

Acq: 26 Nov 2019 14:18

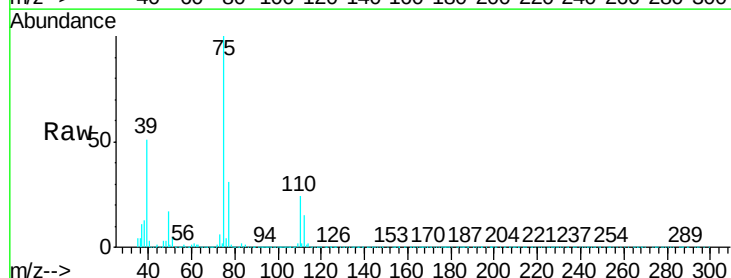
Tgt Ion: 75 Resp: 236678

Ion Ratio Lower Upper

75 100

77 30.7 25.8 38.6

39 50.7 39.9 59.9



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.43

200000

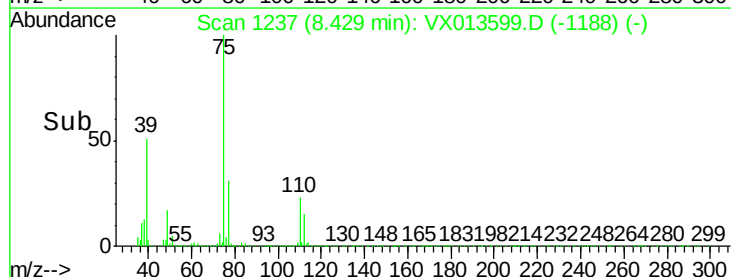
150000

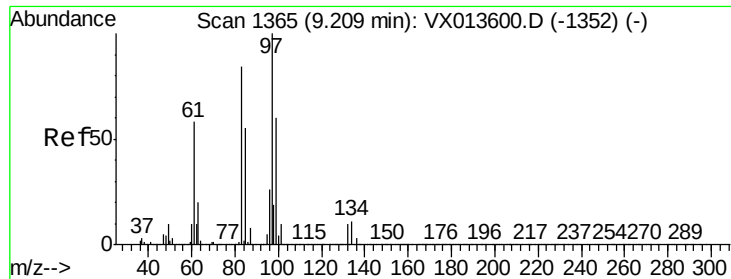
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 20.978 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VX013599.D

Acq: 26 Nov 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 146576

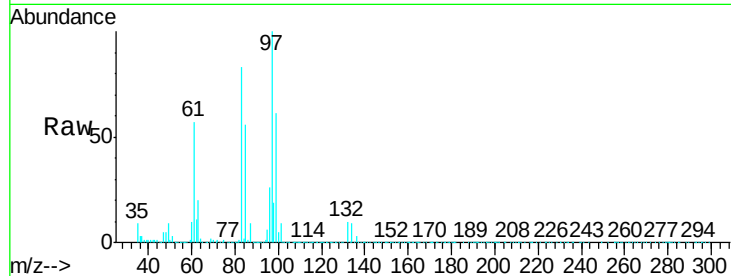
Ion Ratio Lower Upper

97 100

83 82.7 67.3 100.9

85 55.4 43.6 65.4

99 60.5 48.2 72.4

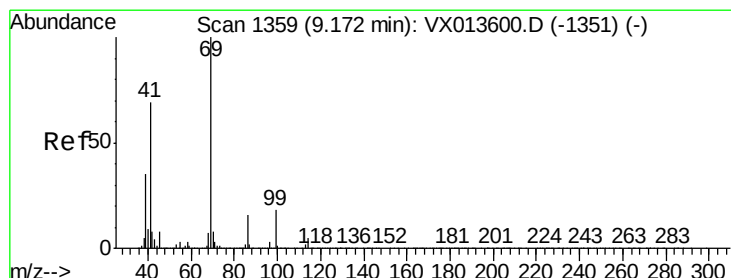
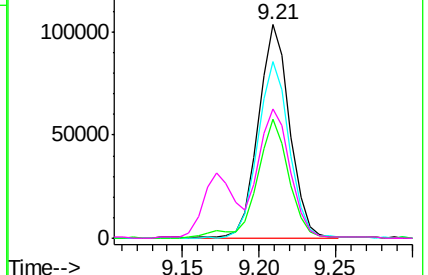
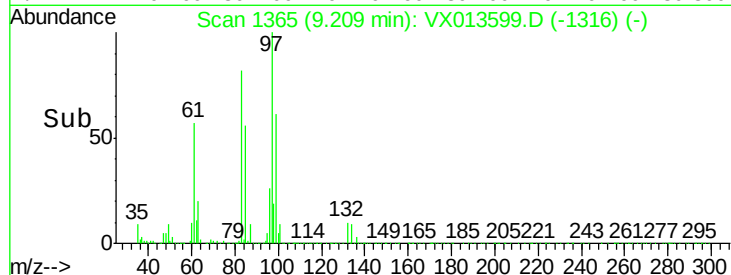


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 22.009 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX013599.D

Acq: 26 Nov 2019 14:18

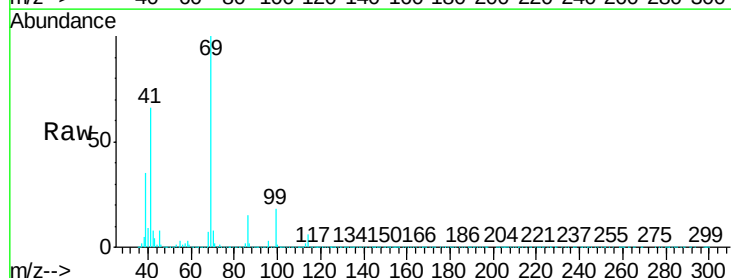
Tgt Ion: 69 Resp: 238060

Ion Ratio Lower Upper

69 100

41 67.3 55.0 82.4

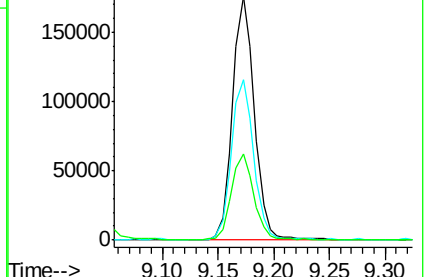
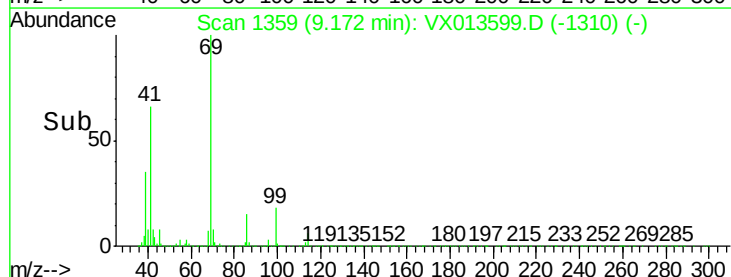
39 36.2 28.7 43.1

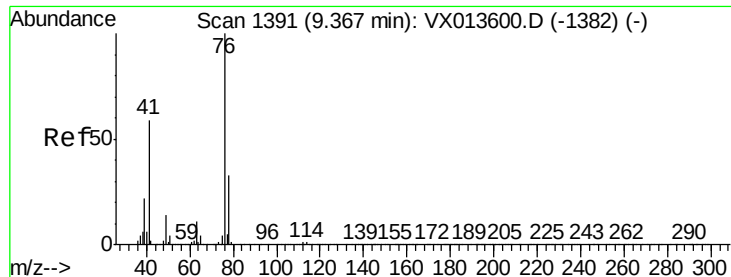


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

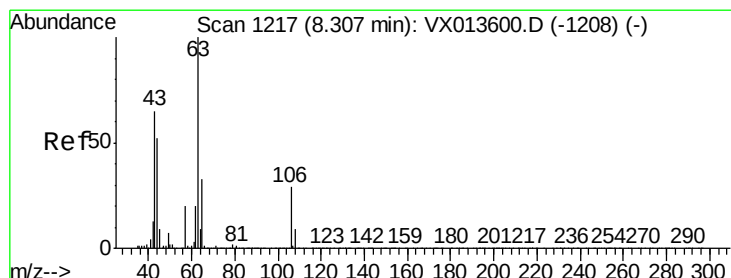
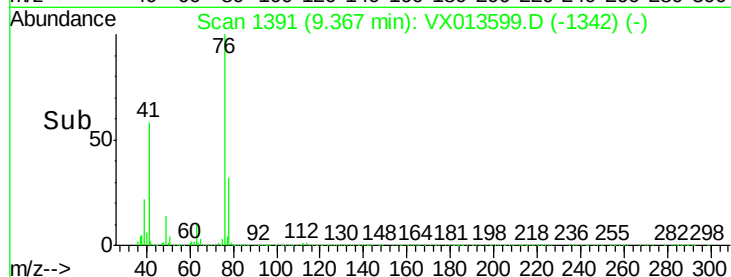
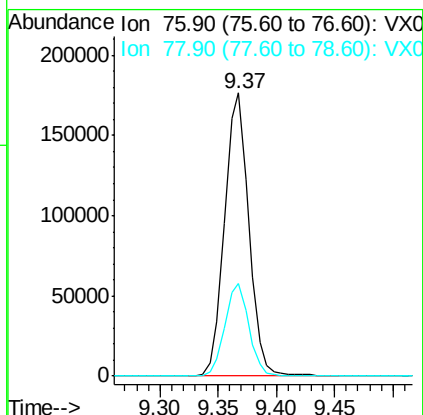
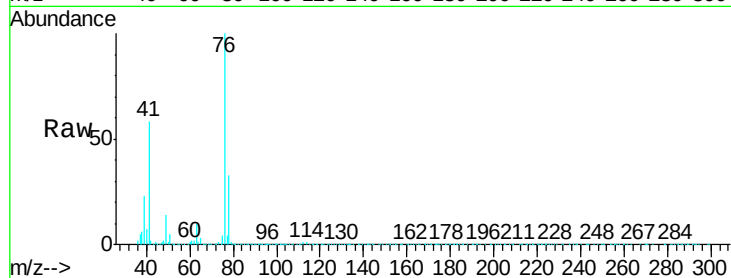




#57
 1,3-Dichloropropane
 Concen: 21.494 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX013599.D
 Acq: 26 Nov 2019 14:18

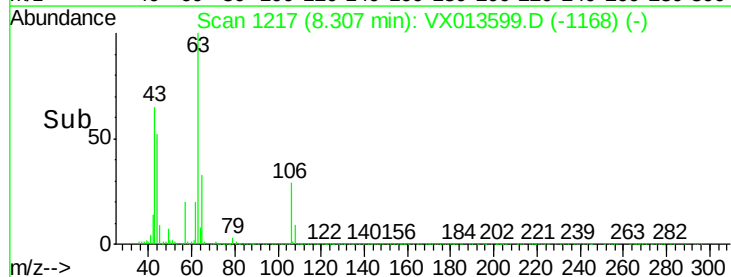
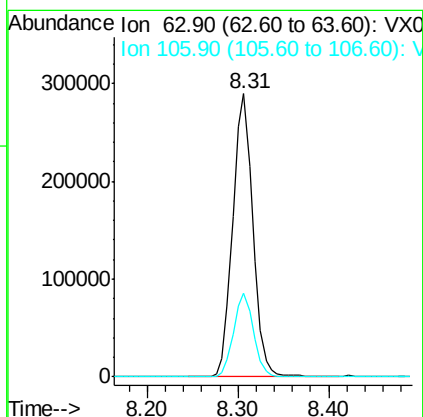
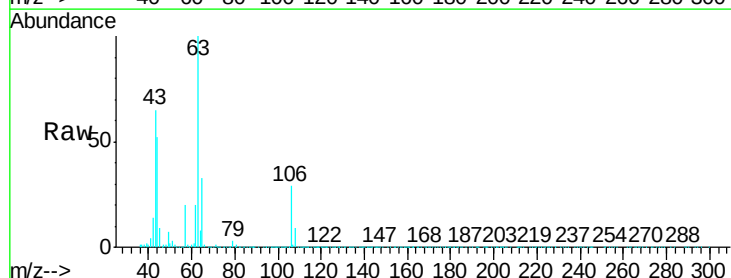
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

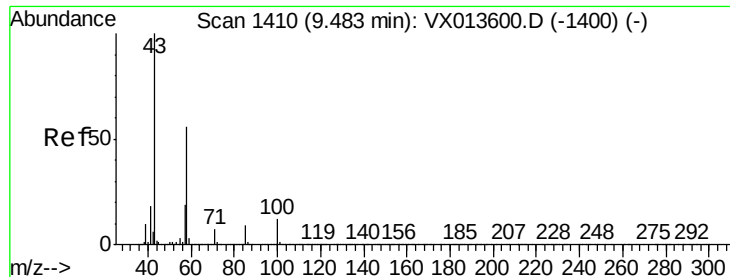
Tgt Ion: 76 Resp: 254985
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.649 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX013599.D
 Acq: 26 Nov 2019 14:18

Tgt Ion: 63 Resp: 447125
 Ion Ratio Lower Upper
 63 100
 106 29.2 23.4 35.0

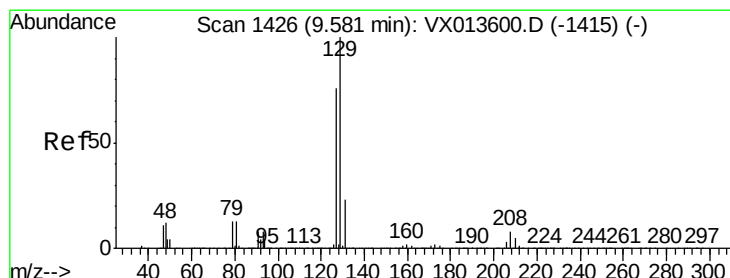
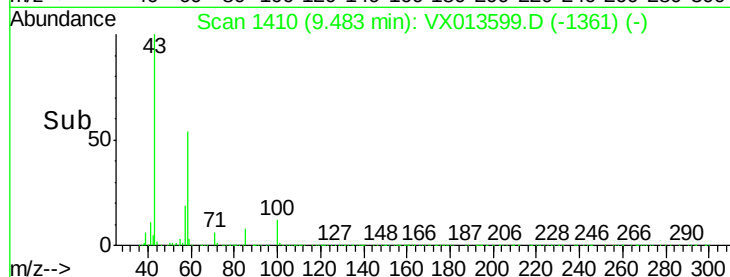
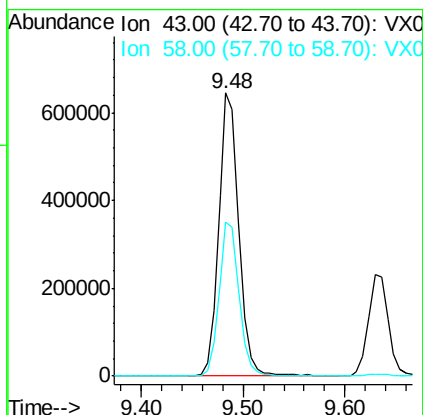
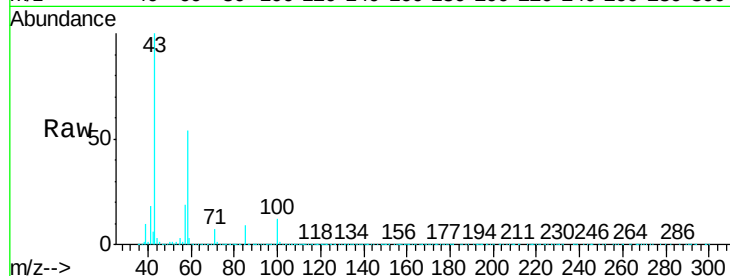




#59
2-Hexanone
Concen: 104.885 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX013599.D
Acq: 26 Nov 2019 14:18

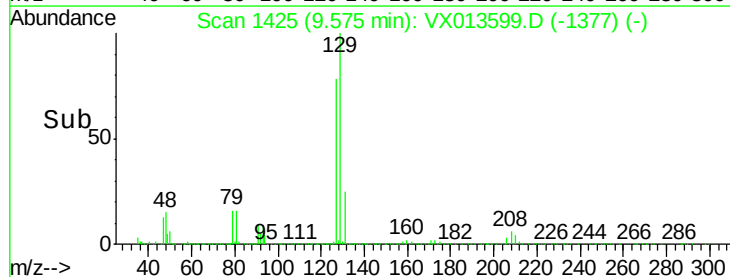
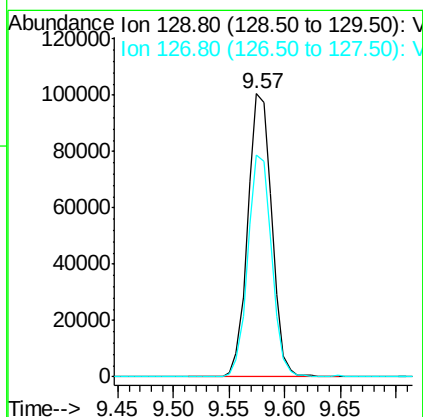
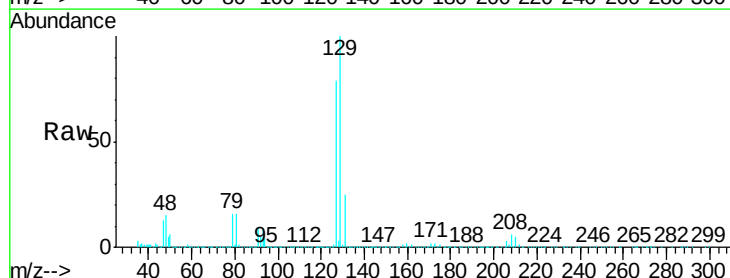
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

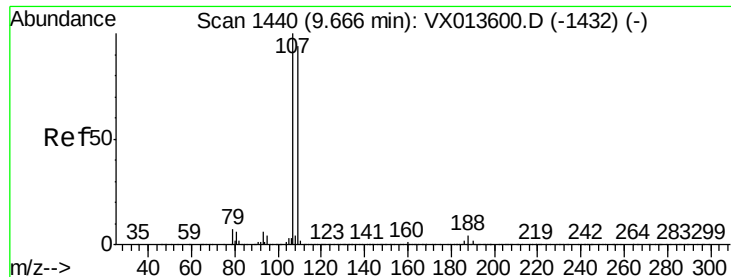
Tgt Ion: 43 Resp: 885705
Ion Ratio Lower Upper
43 100
58 54.7 28.1 84.4



#60
Dibromochloromethane
Concen: 21.088 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX013599.D
Acq: 26 Nov 2019 14:18

Tgt Ion: 129 Resp: 150765
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 21.004 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX013599.D

Acq: 26 Nov 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

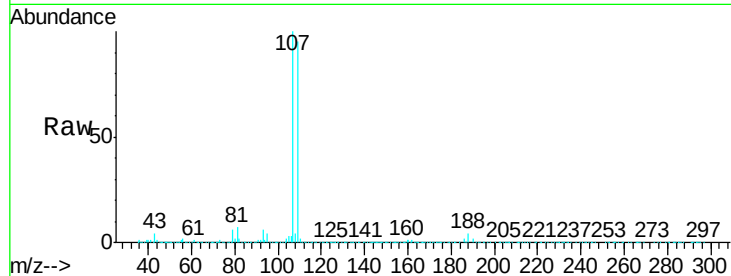
VSTDIC020

Tgt Ion: 107 Resp: 155435

Ion Ratio Lower Upper

107 100

109 95.0 76.1 114.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

120000

100000

80000

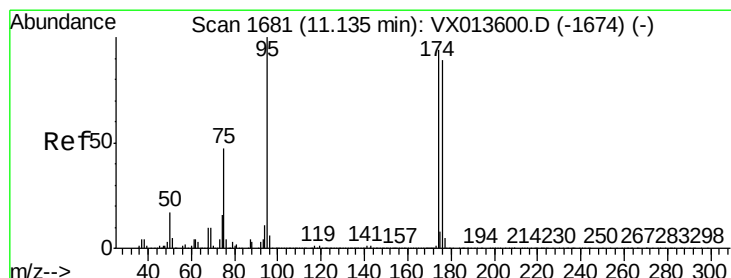
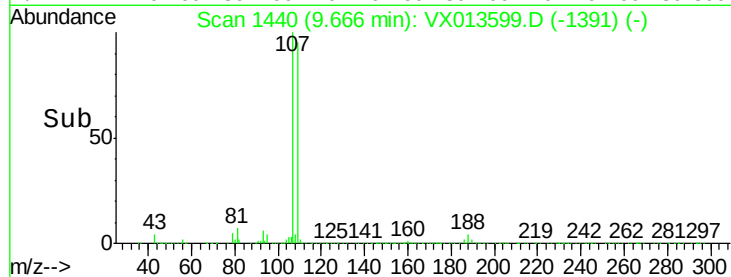
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 19.780 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013599.D

Acq: 26 Nov 2019 14:18

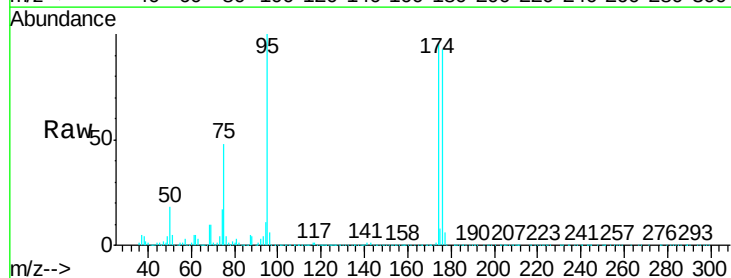
Tgt Ion: 95 Resp: 171597

Ion Ratio Lower Upper

95 100

174 88.7 0.0 180.0

176 86.5 0.0 173.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

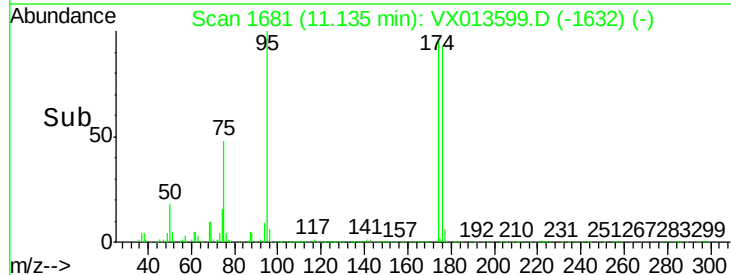
150000

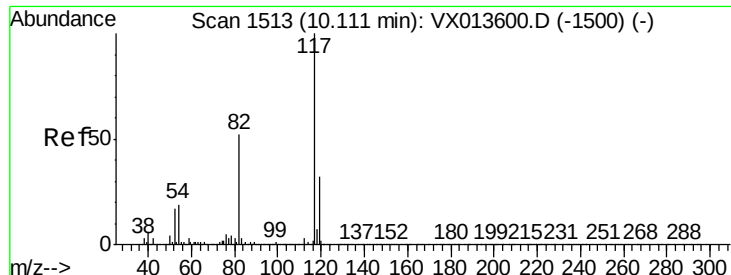
100000

50000

0

Time-->

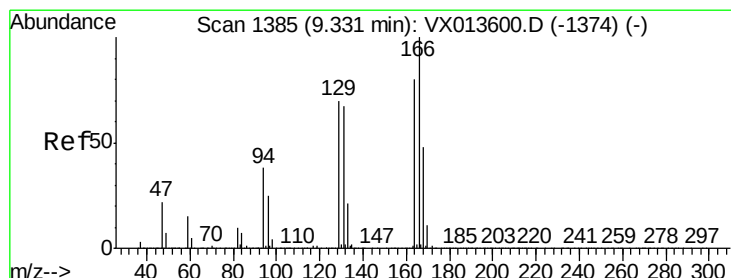
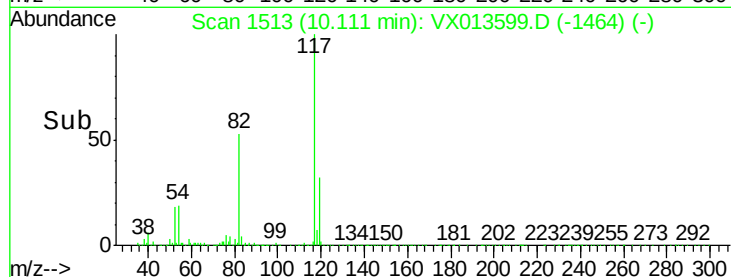
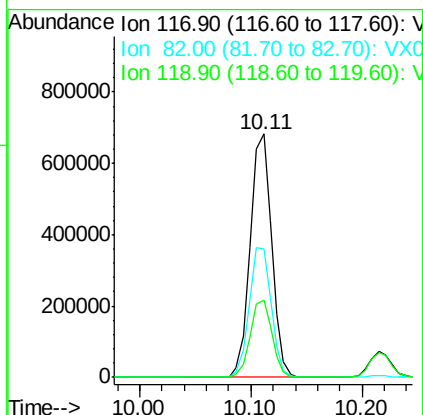
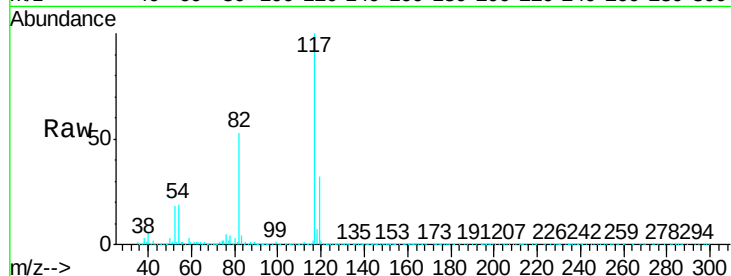




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013599.D
Acq: 26 Nov 2019 14:18

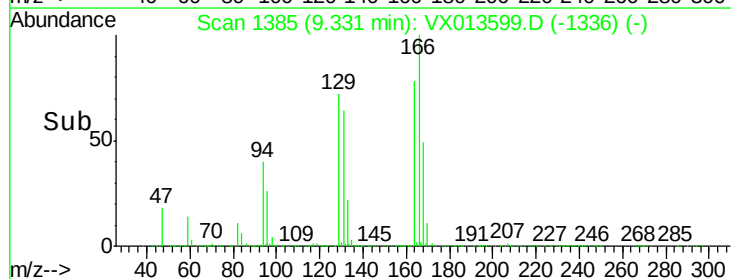
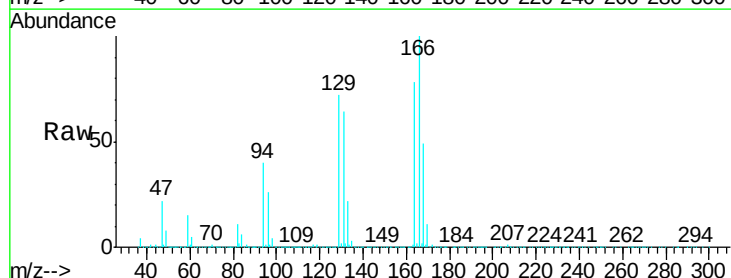
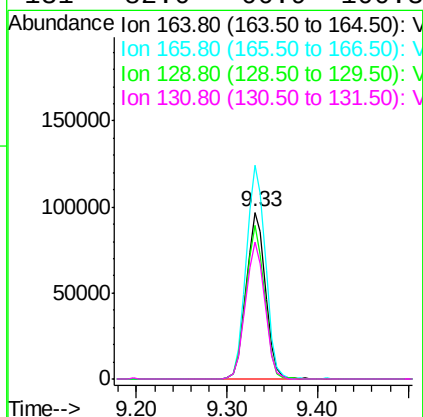
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

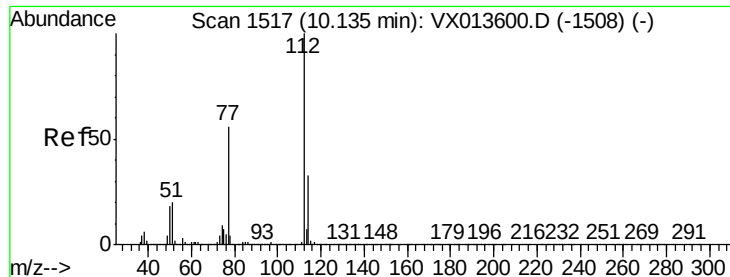
Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.9	41.8	62.8
119	31.7	25.8	38.8



#64
Tetrachloroethene
Concen: 21.815 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013599.D
Acq: 26 Nov 2019 14:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.8	99.7	149.5
129	91.5	70.1	105.1
131	82.0	66.9	100.3





#65

Chlorobenzene

Concen: 21.308 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX013599.D

Acq: 26 Nov 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

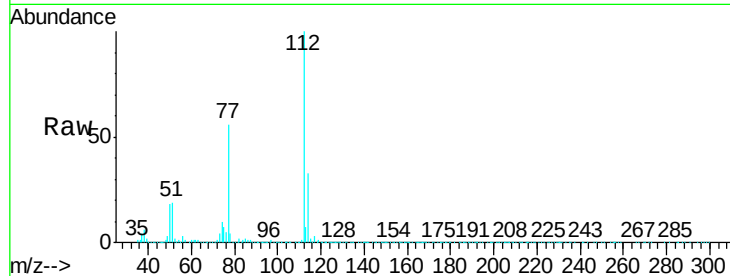
VSTDIC020

Tgt Ion:112 Resp: 393711

Ion Ratio Lower Upper

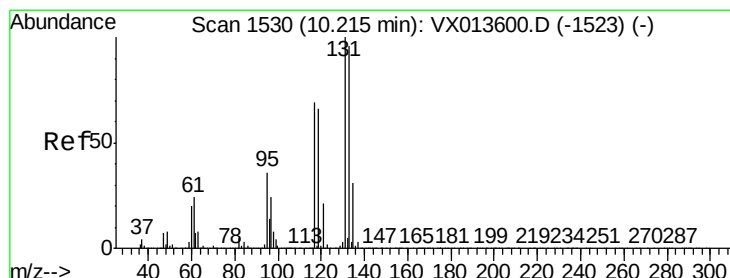
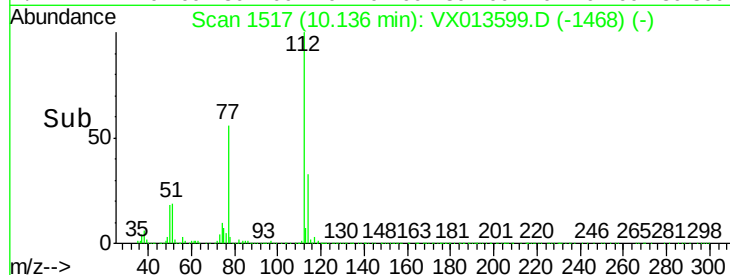
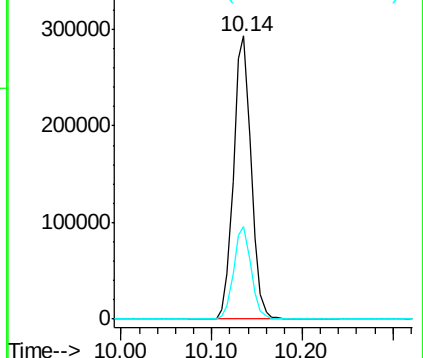
112 100

114 32.9 26.1 39.1



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.081 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX013599.D

Acq: 26 Nov 2019 14:18

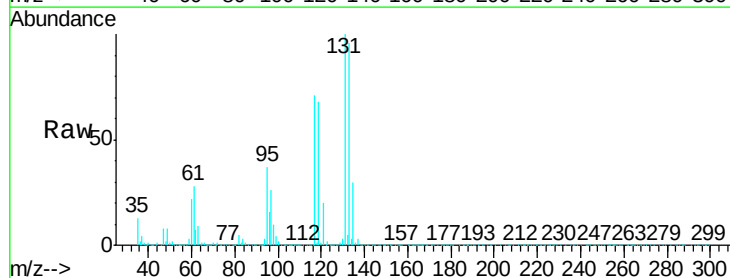
Tgt Ion:131 Resp: 142718

Ion Ratio Lower Upper

131 100

133 97.8 47.7 143.1

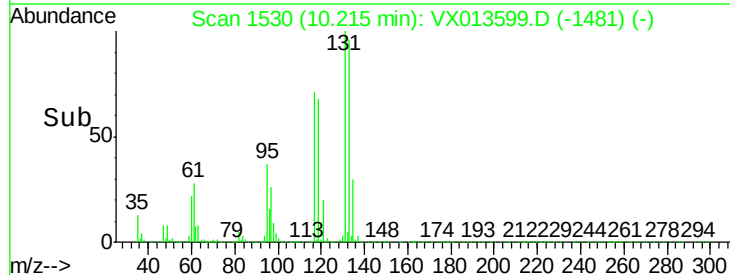
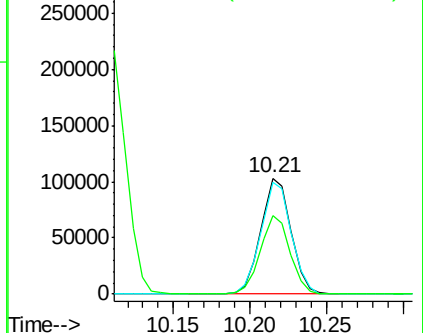
119 66.5 32.9 98.6

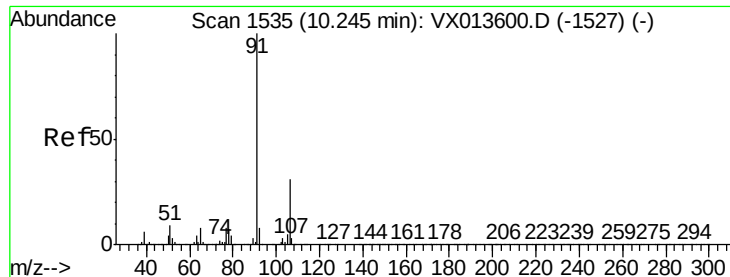


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 21.648 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX013599.D

Acq: 26 Nov 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

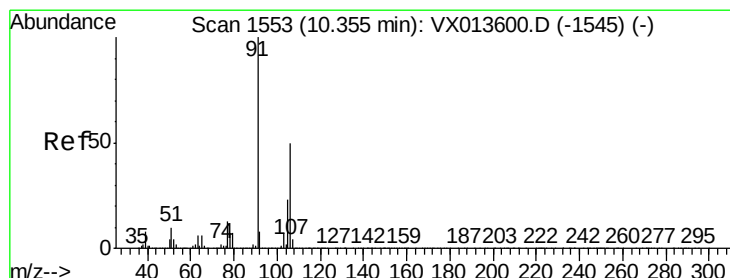
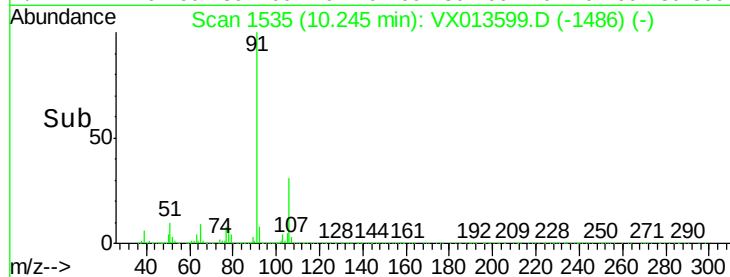
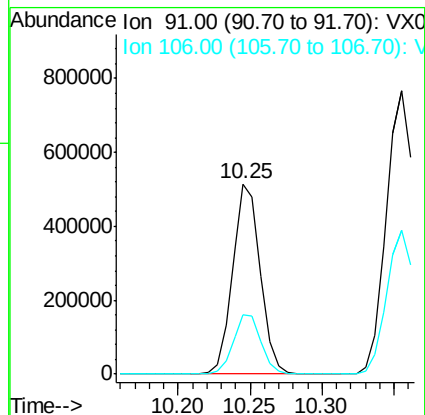
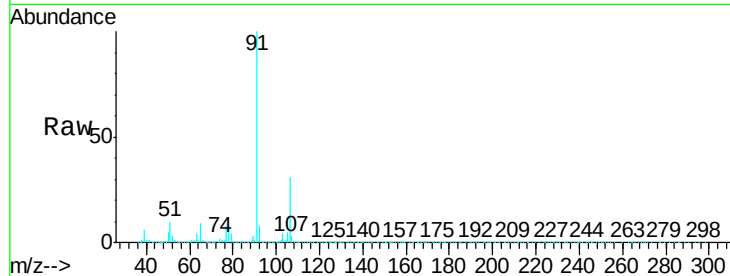
VSTDIC020

Tgt Ion: 91 Resp: 691120

Ion Ratio Lower Upper

91 100

106 31.0 24.5 36.7



#68

m/p-Xylenes

Concen: 43.574 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX013599.D

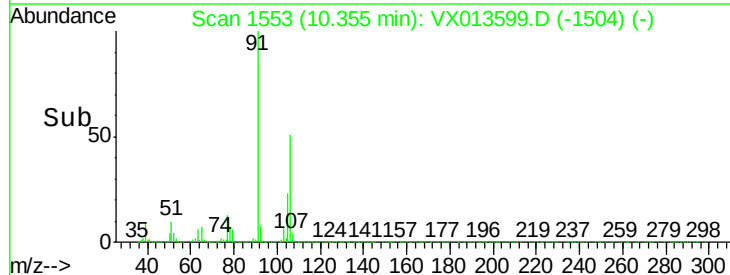
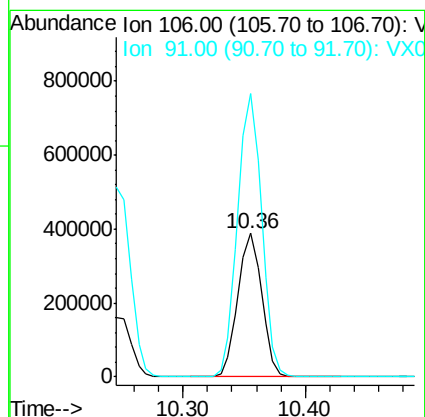
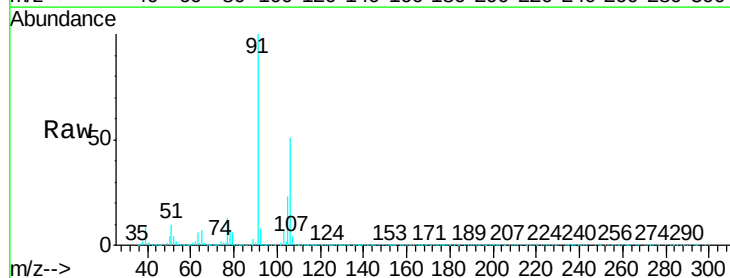
Acq: 26 Nov 2019 14:18

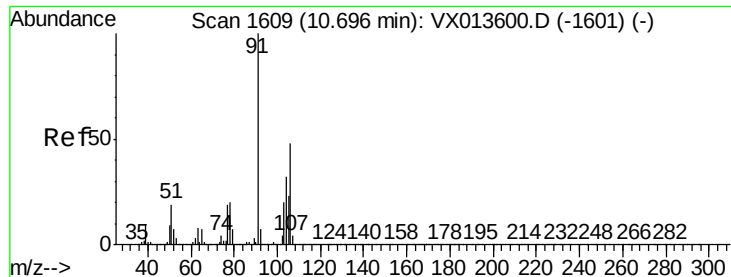
Tgt Ion: 106 Resp: 524741

Ion Ratio Lower Upper

106 100

91 198.7 159.0 238.4

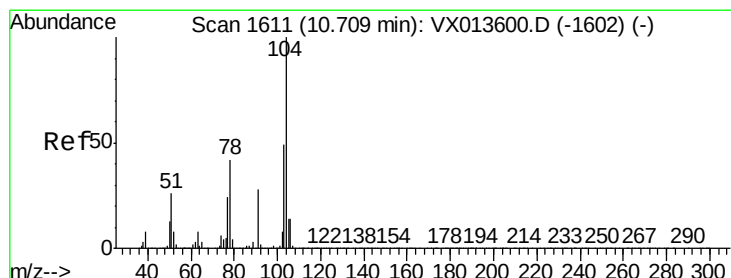
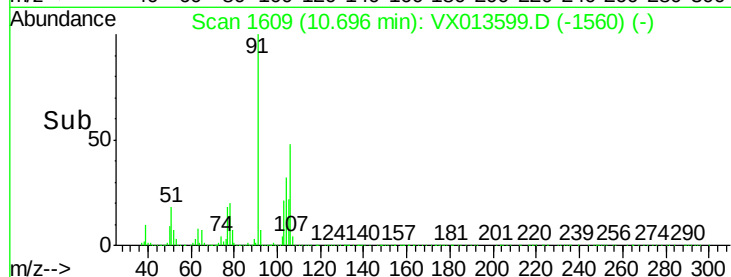
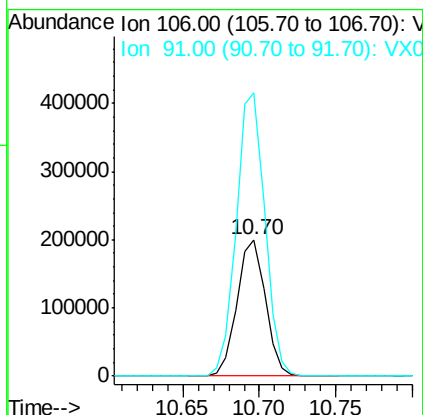
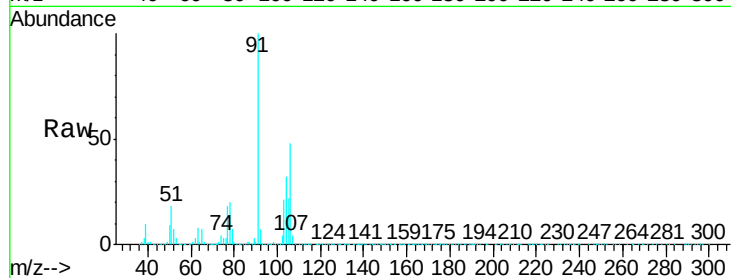




#69
o-Xylene
Concen: 21.746 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013599.D
Acq: 26 Nov 2019 14:18

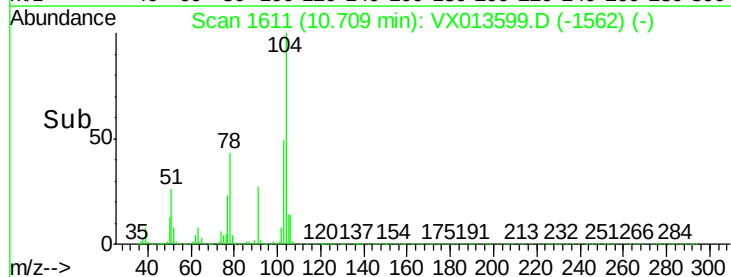
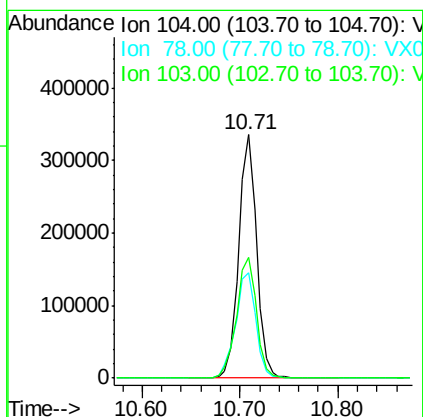
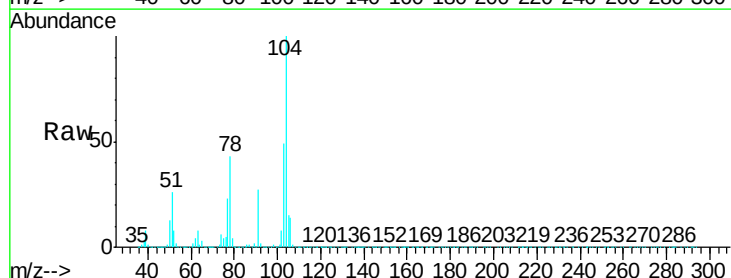
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

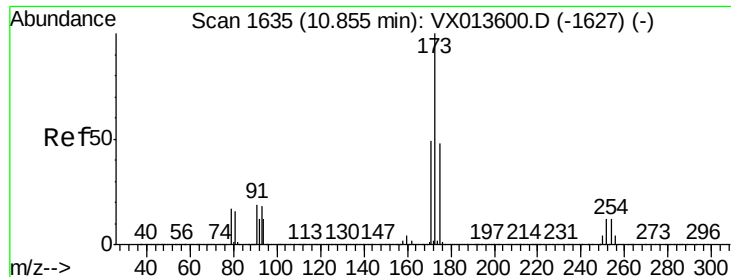
Tgt Ion:106 Resp: 257406
Ion Ratio Lower Upper
106 100
91 209.8 104.1 312.2



#70
Styrene
Concen: 21.663 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013599.D
Acq: 26 Nov 2019 14:18

Tgt Ion:104 Resp: 427468
Ion Ratio Lower Upper
104 100
78 48.7 38.5 57.7
103 55.0 43.7 65.5





#71

Bromoform

Concen: 20.880 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX013599.D

Acq: 26 Nov 2019 14:18

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

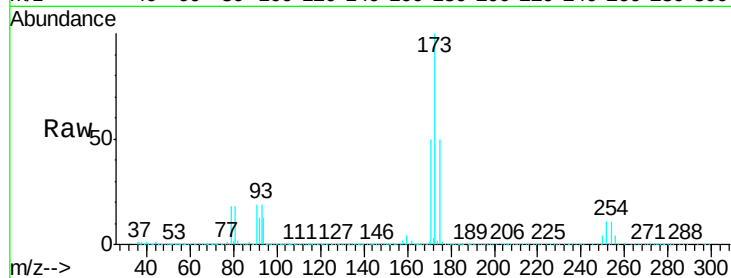
Tgt Ion:173 Resp: 114385

Ion Ratio Lower Upper

173 100

175 49.4 24.3 72.8

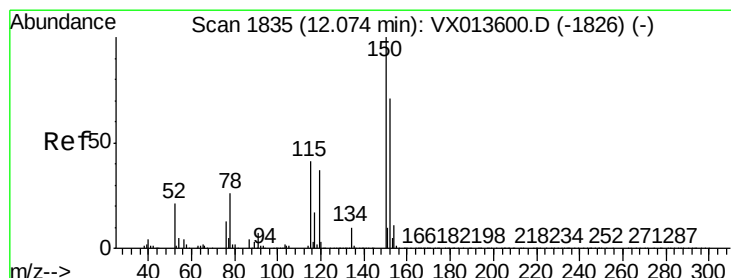
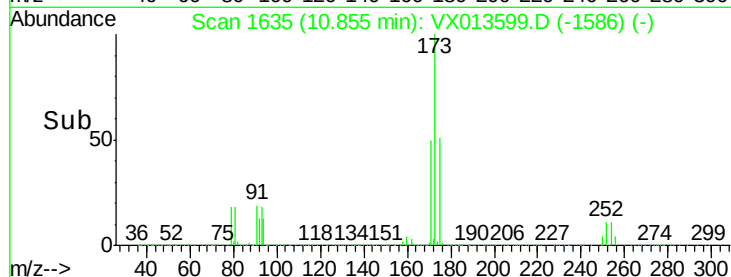
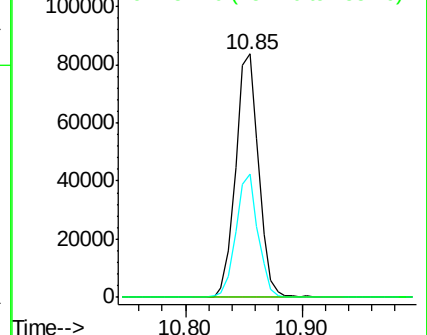
254 0.2 0.2 0.4



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013599.D

Acq: 26 Nov 2019 14:18

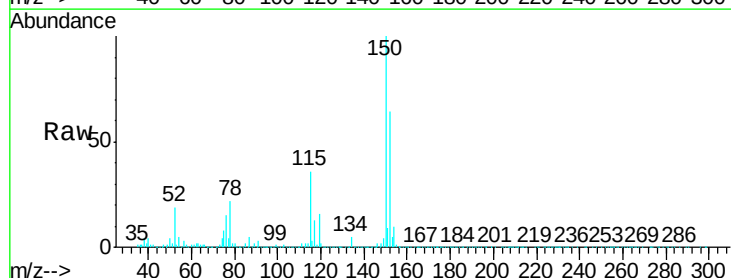
Tgt Ion:152 Resp: 448927

Ion Ratio Lower Upper

152 100

115 64.8 38.4 115.1

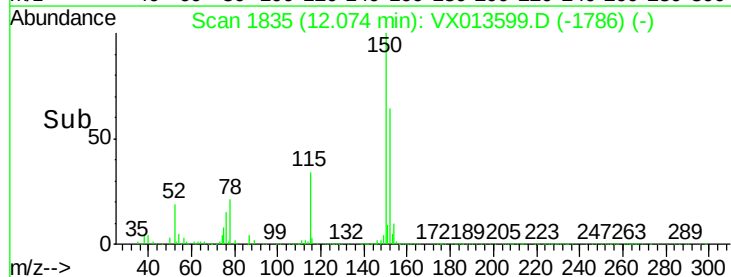
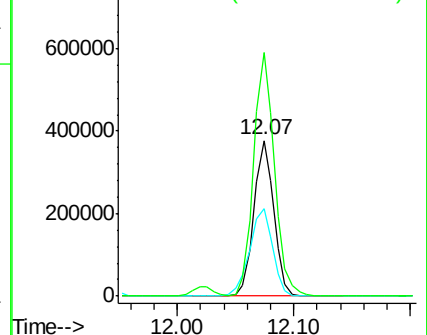
150 164.2 0.0 346.8

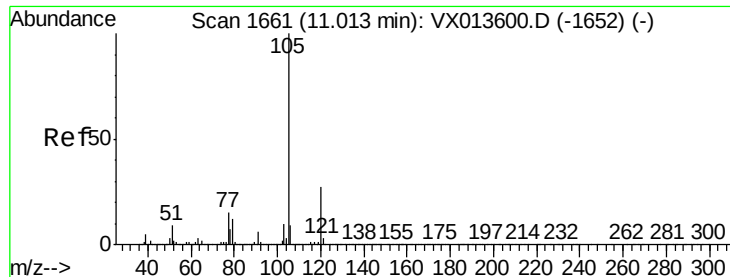


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

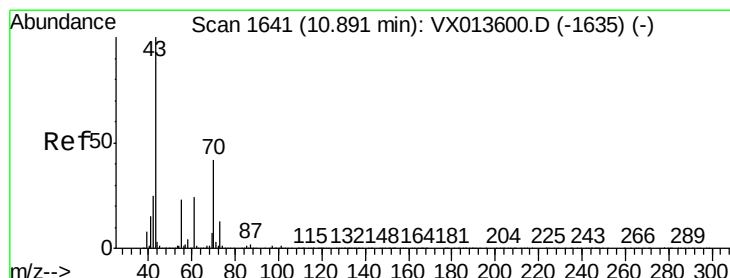
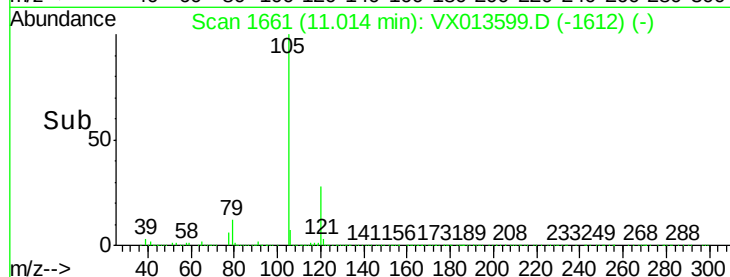
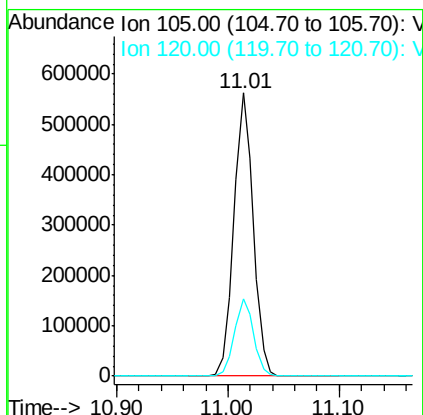
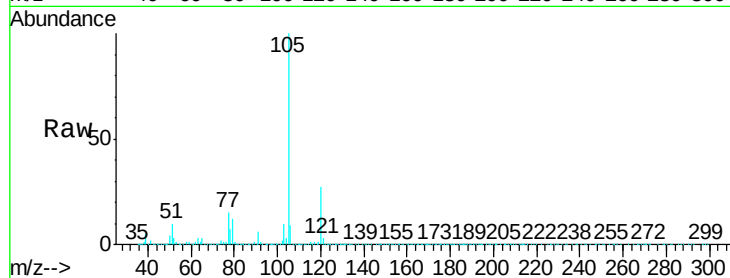




#73
Isopropylbenzene
Concen: 22.637 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX013599.D
Acq: 26 Nov 2019 14:18

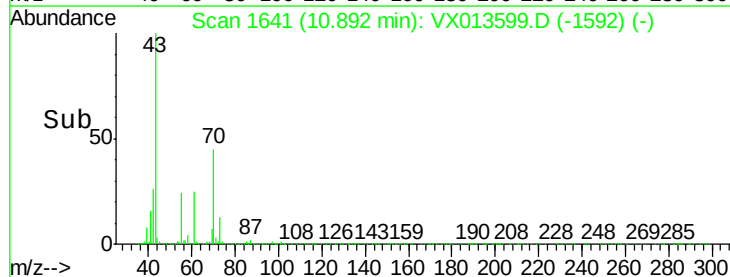
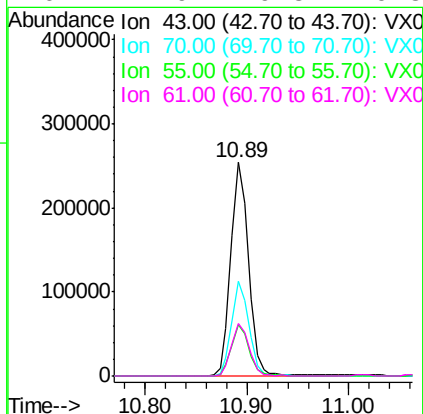
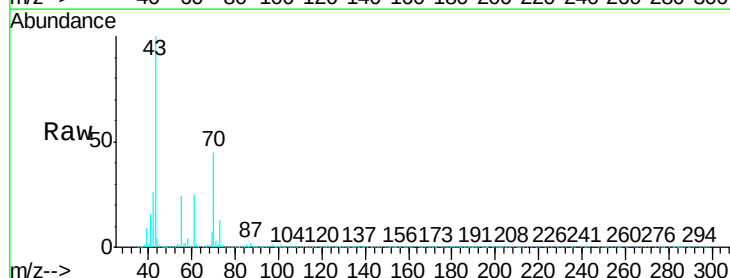
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

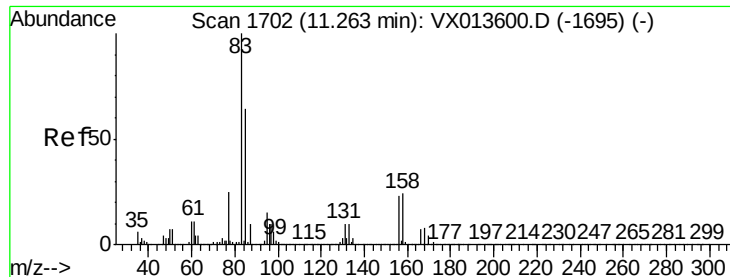
Tgt Ion: 105 Resp: 674791
Ion Ratio Lower Upper
105 100
120 26.9 13.5 40.5



#74
N-ethyl acetate
Concen: 22.069 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VX013599.D
Acq: 26 Nov 2019 14:18

Tgt Ion: 43 Resp: 303531
Ion Ratio Lower Upper
43 100
70 43.9 34.3 51.5
55 23.9 18.5 27.7
61 24.9 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 21.720 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX013599.D

Acq: 26 Nov 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

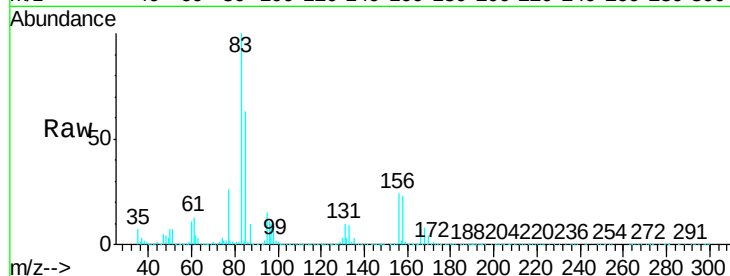
Tgt Ion: 83 Resp: 234867

Ion Ratio Lower Upper

83 100

131 10.0 5.1 15.3

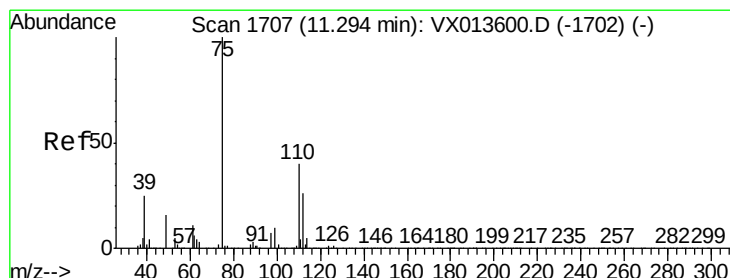
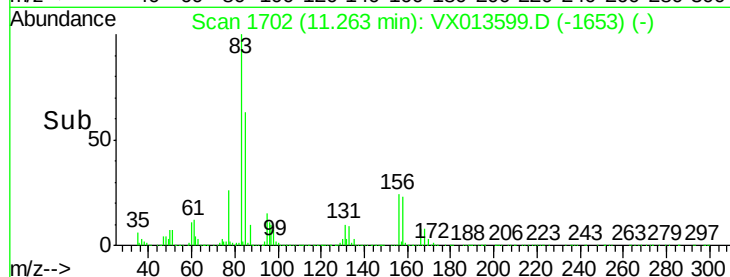
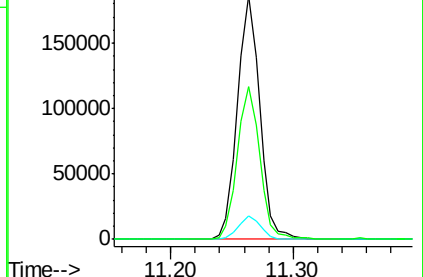
85 63.2 31.8 95.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 27.871 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX013599.D

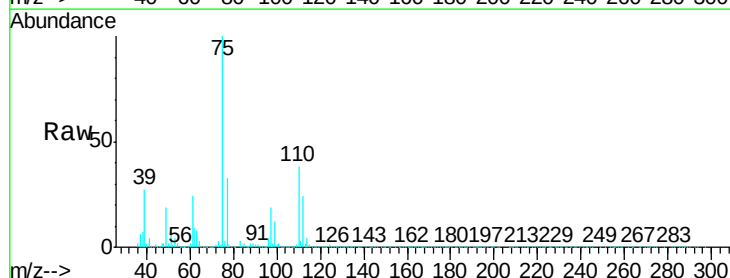
Acq: 26 Nov 2019 14:18

Tgt Ion: 75 Resp: 260350

Ion Ratio Lower Upper

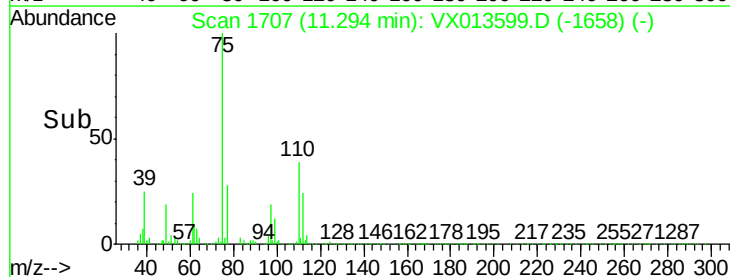
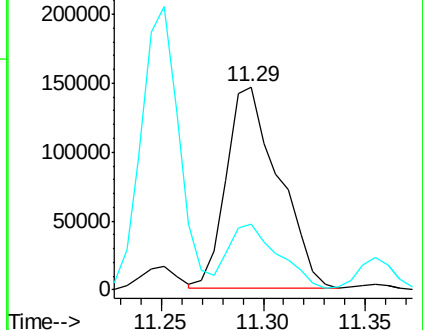
75 100

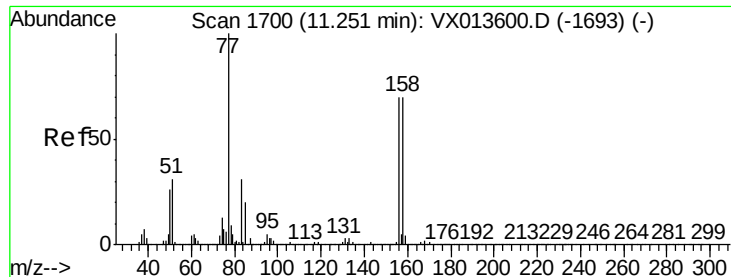
77 31.0 19.1 57.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 22.304 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013599.D

Acq: 26 Nov 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

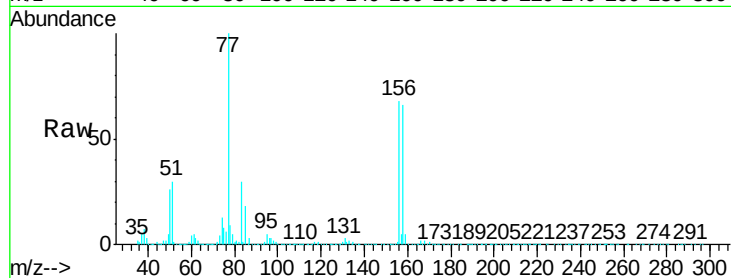
Tgt Ion:156 Resp: 177233

Ion Ratio Lower Upper

156 100

77 149.5 74.4 223.1

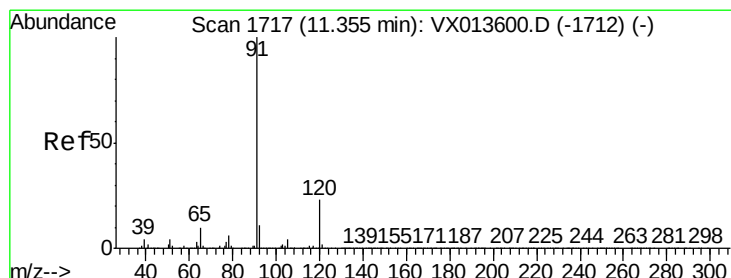
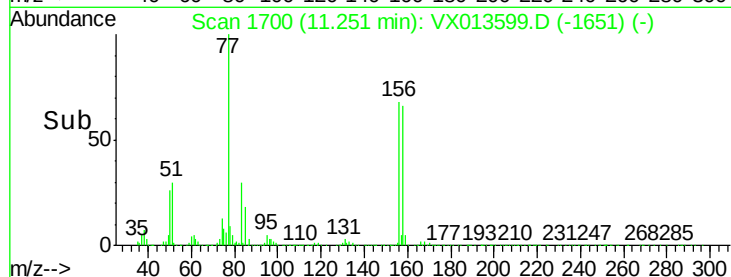
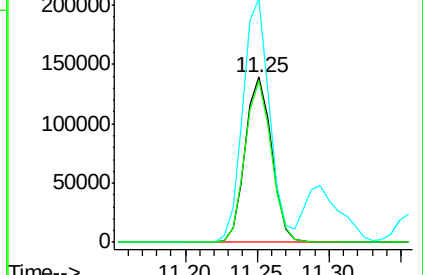
158 97.1 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.771 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013599.D

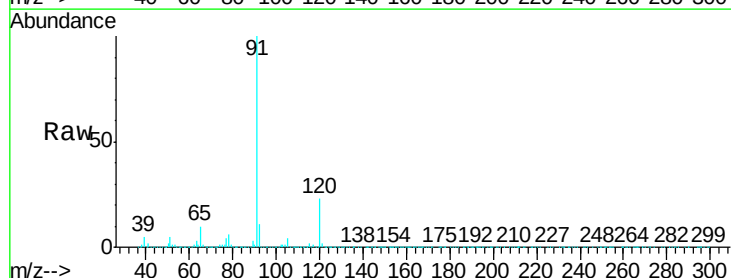
Acq: 26 Nov 2019 14:18

Tgt Ion: 91 Resp: 754497

Ion Ratio Lower Upper

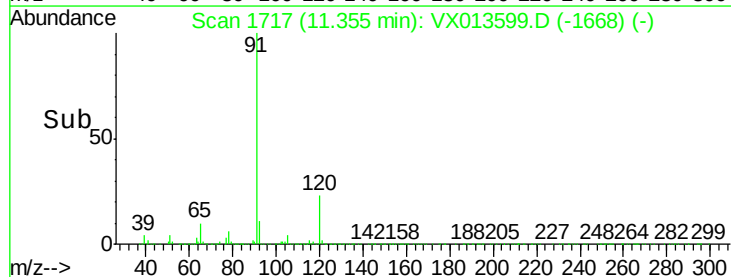
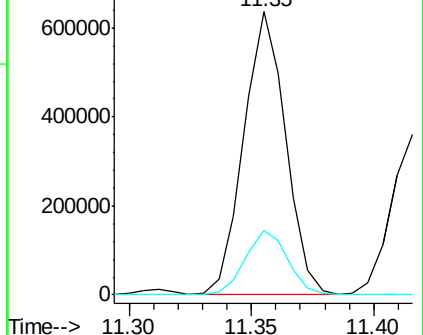
91 100

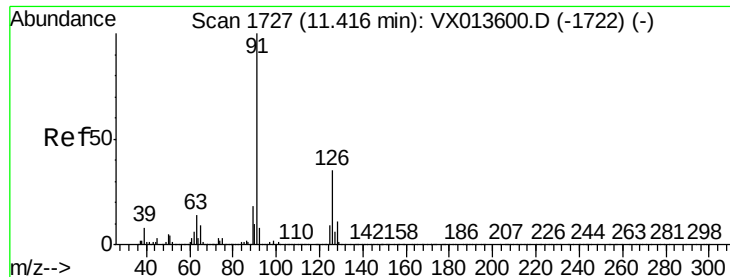
120 23.4 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.456 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX013599.D

Acq: 26 Nov 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

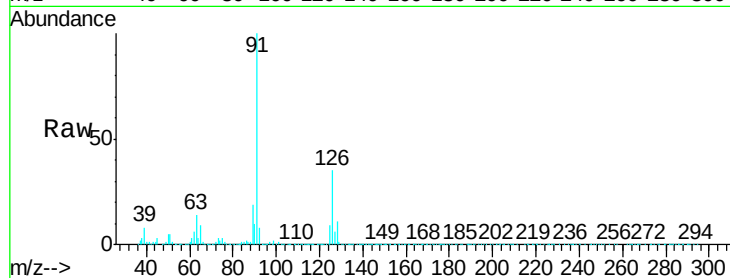
VSTDIC020

Tgt Ion: 91 Resp: 448209

Ion Ratio Lower Upper

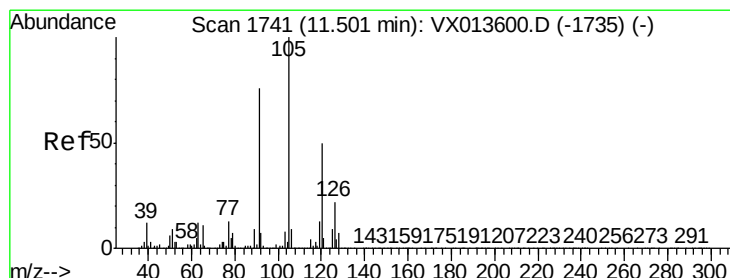
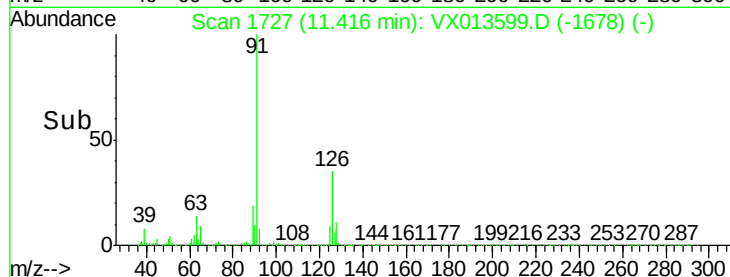
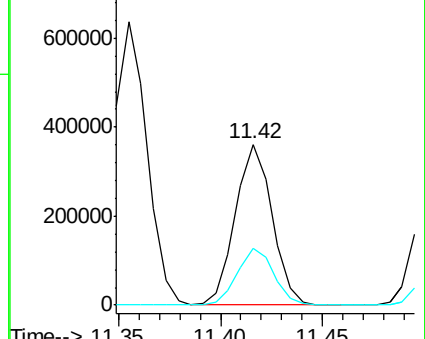
91 100

126 35.1 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 22.507 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013599.D

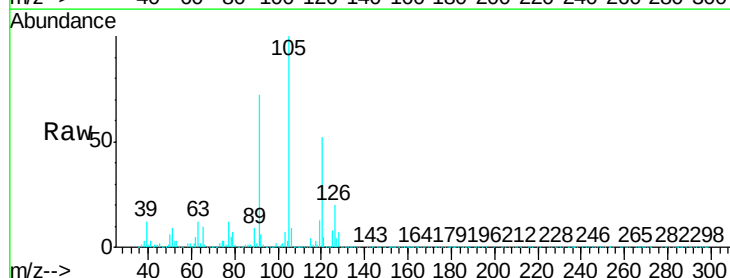
Acq: 26 Nov 2019 14:18

Tgt Ion: 105 Resp: 557085

Ion Ratio Lower Upper

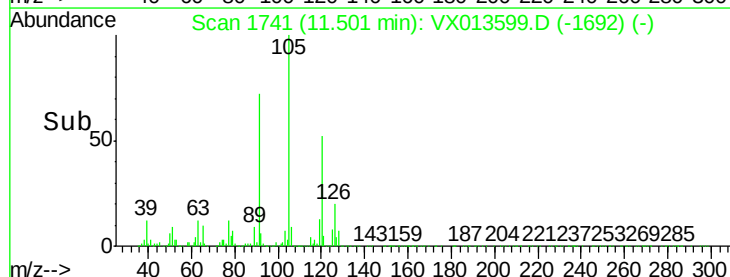
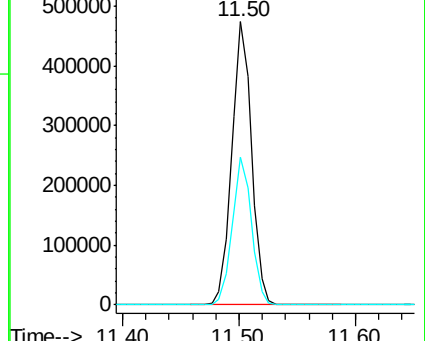
105 100

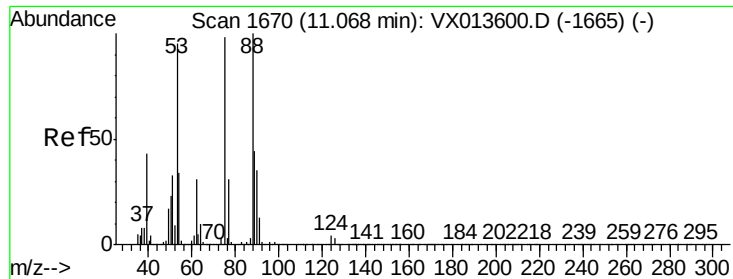
120 51.4 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.808 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX013599.D

Acq: 26 Nov 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

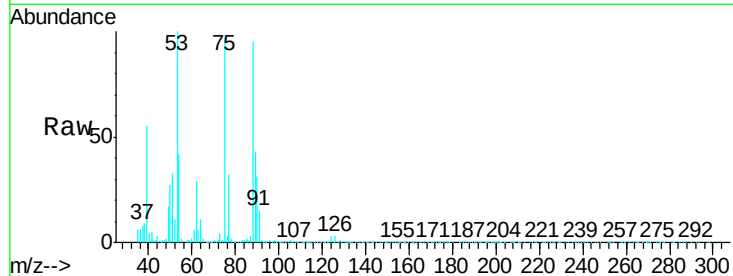
Tgt Ion: 75 Resp: 73620

Ion Ratio Lower Upper

75 100

53 100.9 78.2 117.2

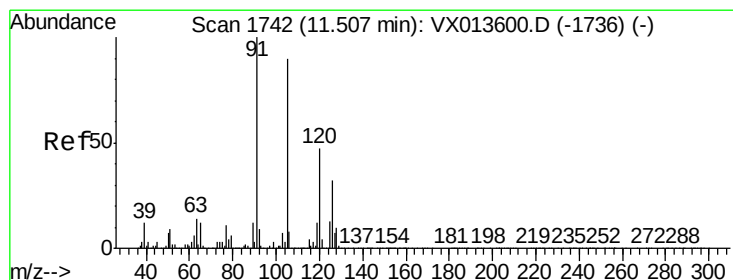
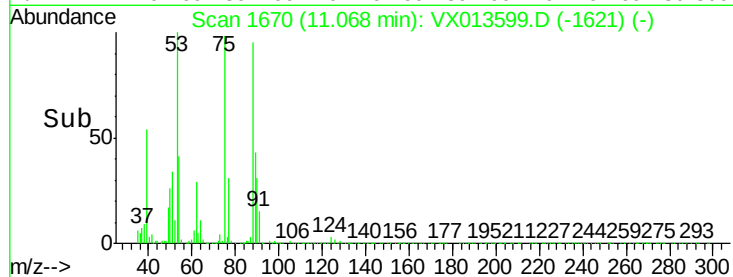
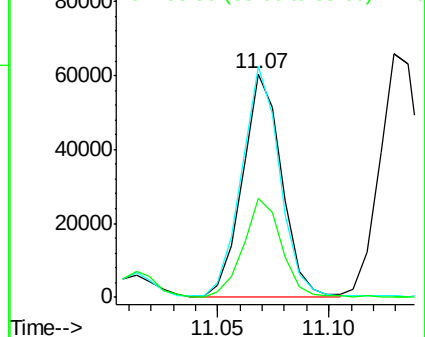
89 44.0 35.4 53.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 22.027 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX013599.D

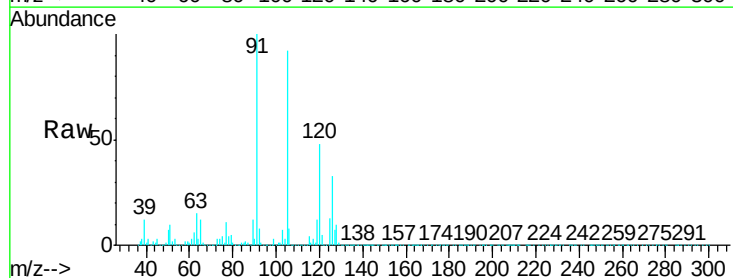
Acq: 26 Nov 2019 14:18

Tgt Ion: 91 Resp: 514200

Ion Ratio Lower Upper

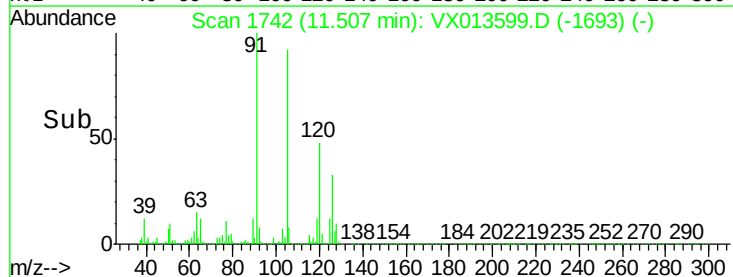
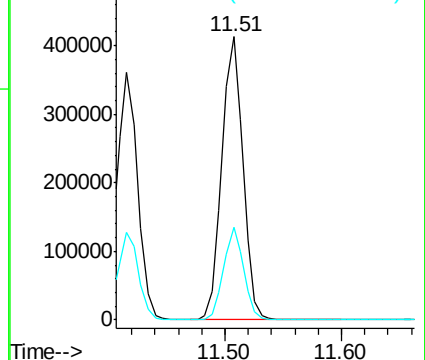
91 100

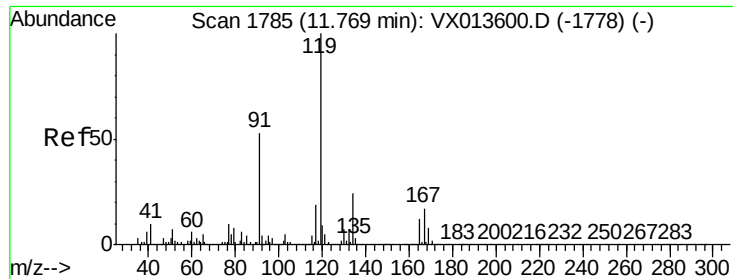
126 31.0 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 22.622 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VX013599.D

Acq: 26 Nov 2019 14:18

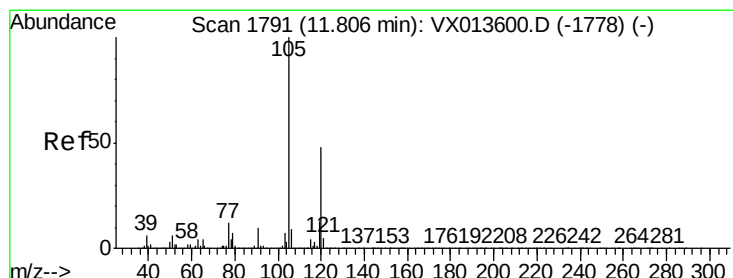
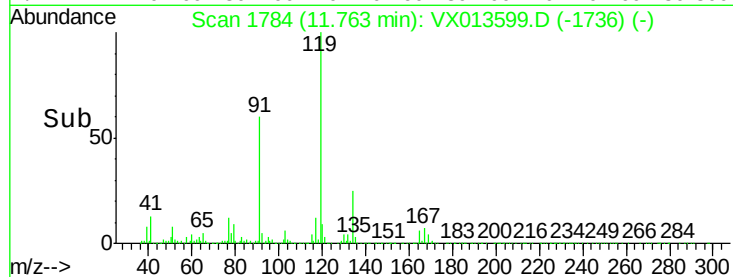
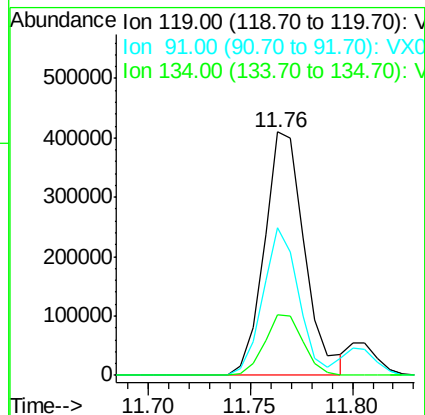
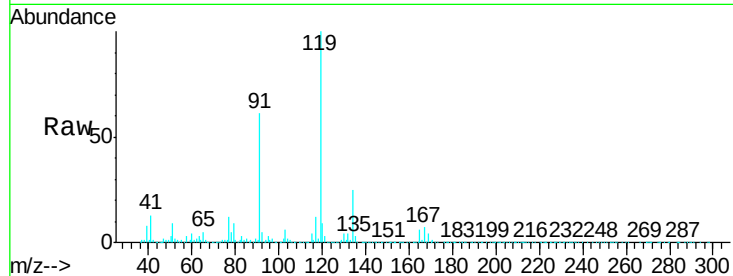
Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion:	119	Resp:	562628
Ion	Ratio	Lower	Upper
119	100		
91	53.7	27.2	81.6
134	24.1	11.7	35.1



#84

1,2,4-Trimethylbenzene

Concen: 22.558 ug/l

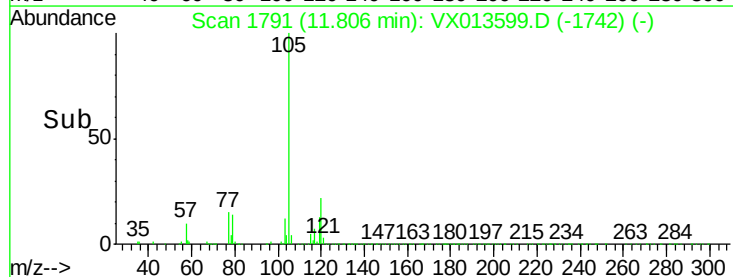
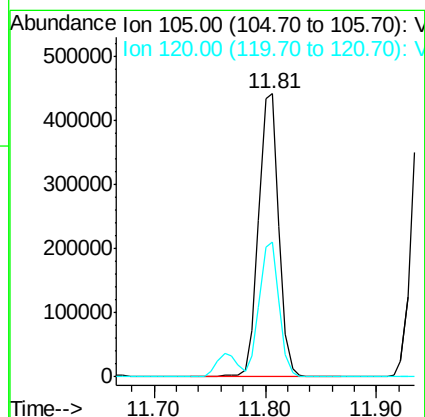
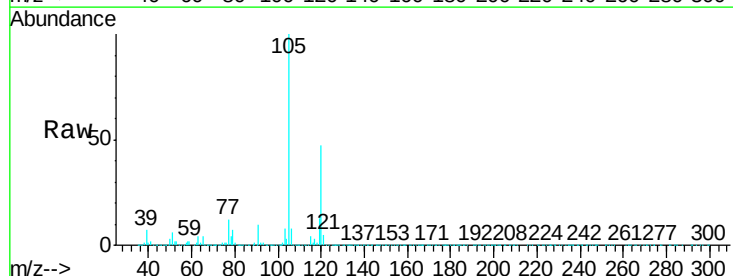
RT: 11.81 min Scan# 1791

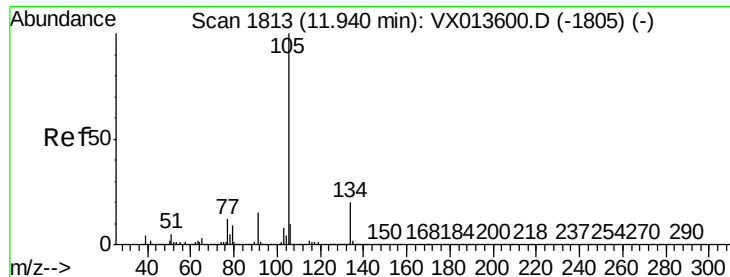
Delta R.T. 0.00 min

Lab File: VX013599.D

Acq: 26 Nov 2019 14:18

Tgt Ion:	105	Resp:	559517
Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.1	69.3





#85

sec-Butylbenzene

Concen: 22.637 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013599.D

Acq: 26 Nov 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

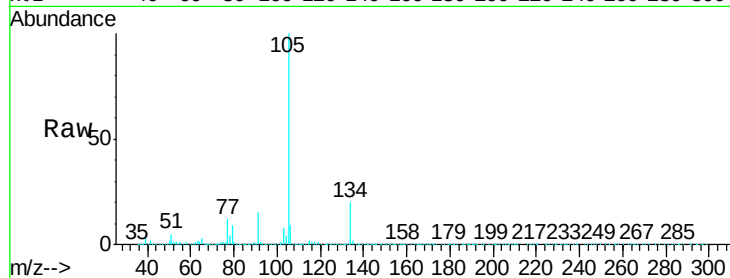
VSTDIC020

Tgt Ion:105 Resp: 648623

Ion Ratio Lower Upper

105 100

134 20.4 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

600000

500000

400000

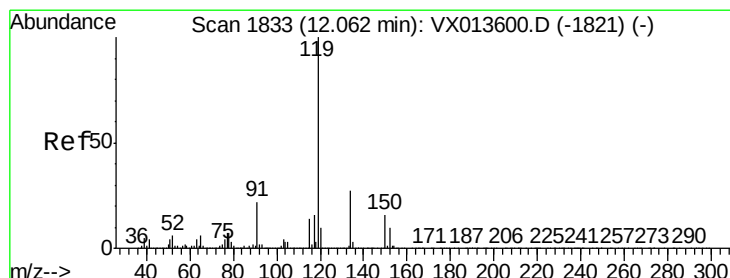
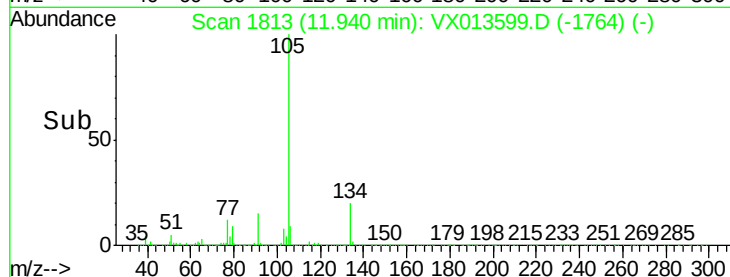
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 22.297 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX013599.D

Acq: 26 Nov 2019 14:18

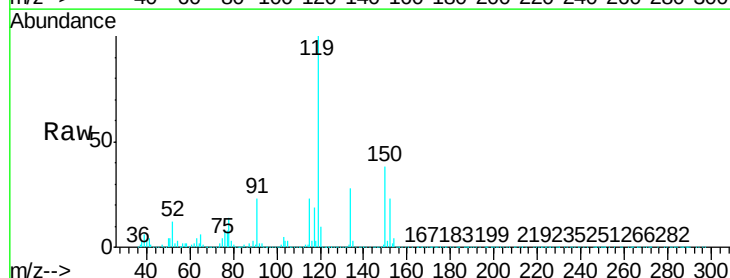
Tgt Ion:119 Resp: 587775

Ion Ratio Lower Upper

119 100

134 27.2 13.3 39.9

91 22.9 11.3 33.8



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

12.06

600000

500000

400000

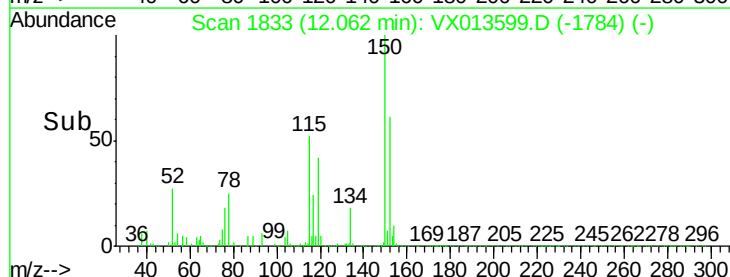
300000

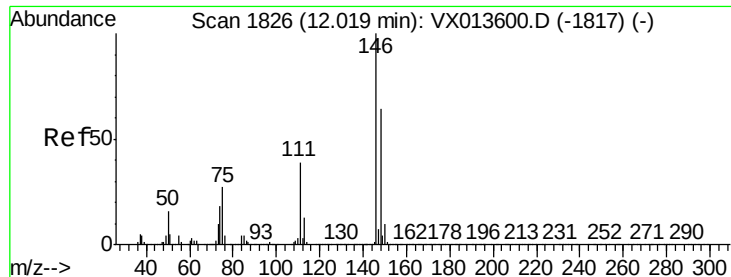
200000

100000

0

Time-->

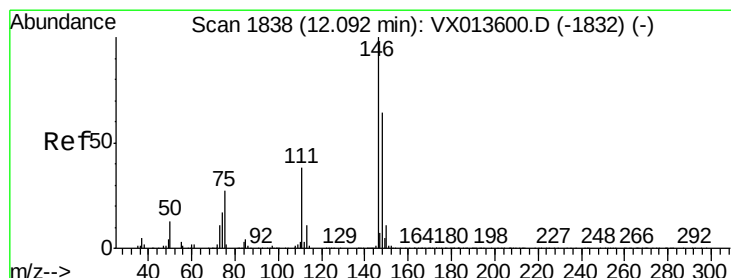
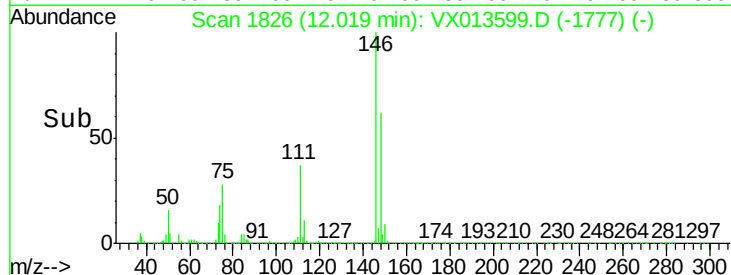
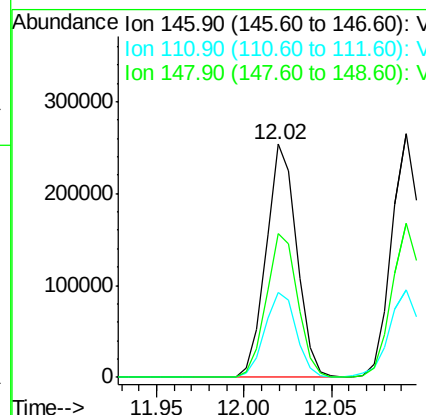
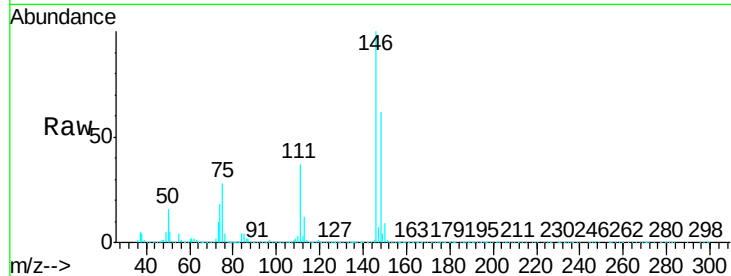




#87
 1,3-Dichlorobenzene
 Concen: 21.939 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX013599.D
 Acq: 26 Nov 2019 14:18

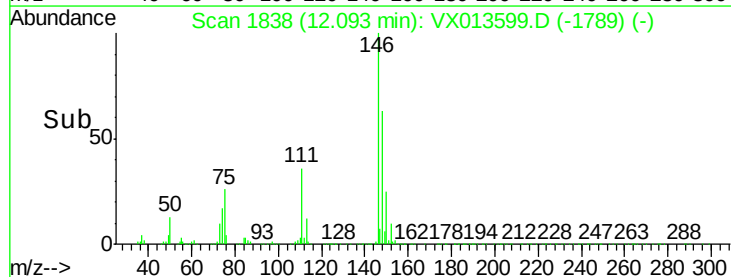
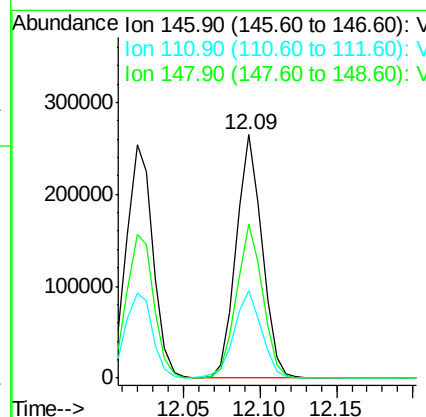
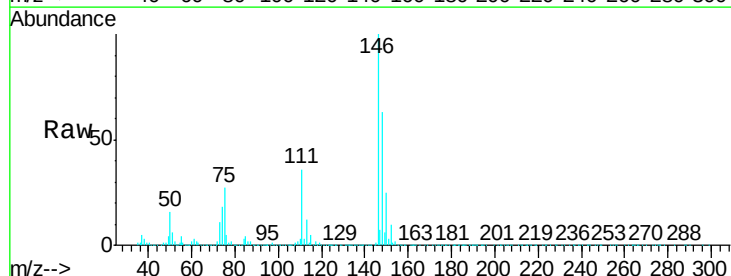
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

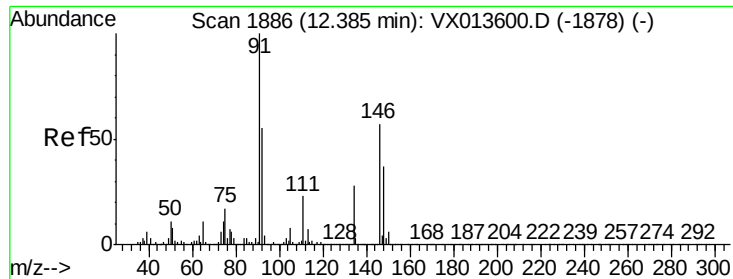
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.0	57.0
148	62.9	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 21.539 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX013599.D
 Acq: 26 Nov 2019 14:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.9	56.9
148	64.0	31.9	95.5

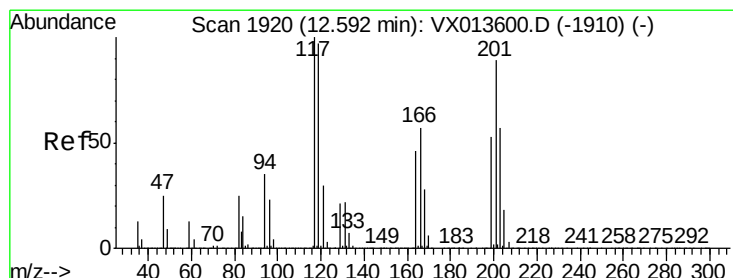
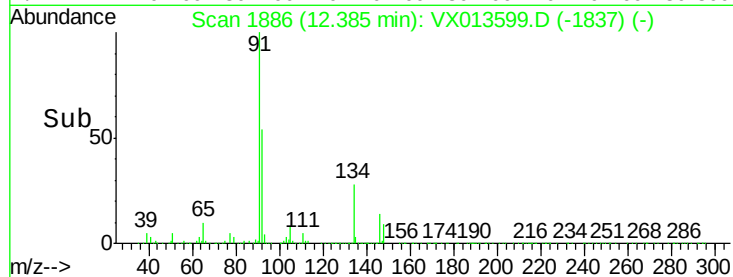
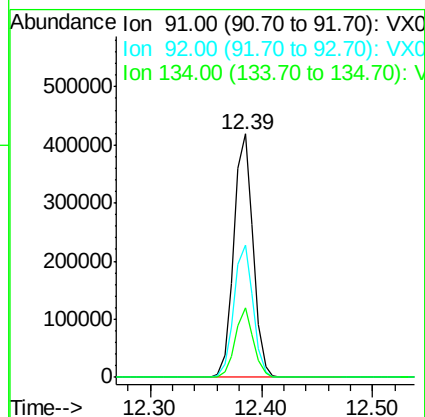
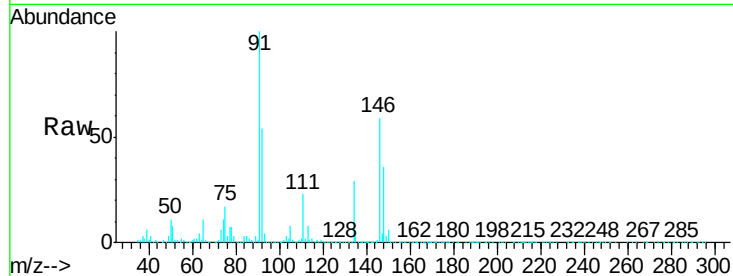




#89
n-Butylbenzene
Concen: 21.809 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX013599.D
Acq: 26 Nov 2019 14:18

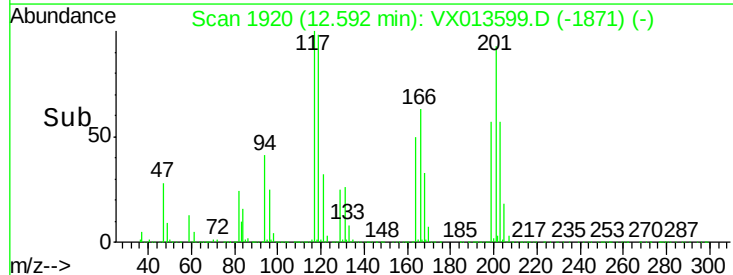
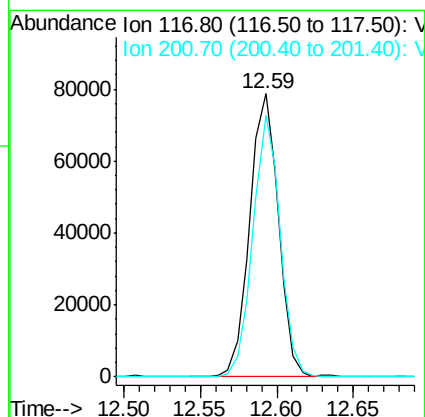
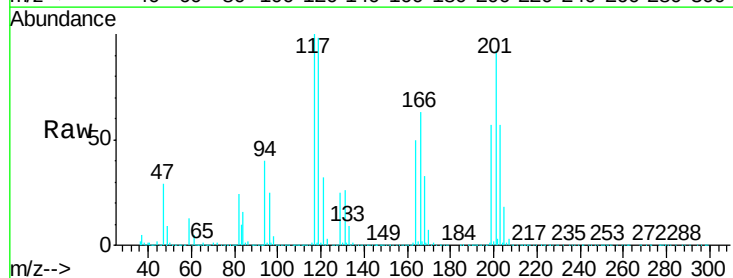
Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

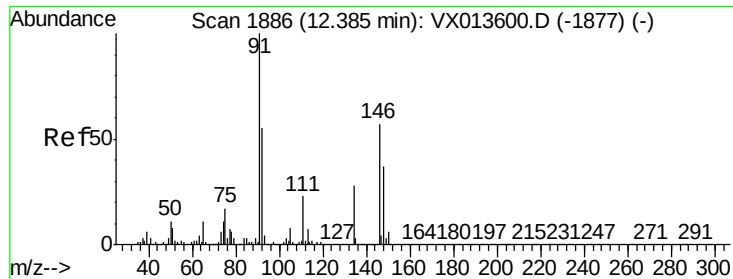
Tgt Ion: 91 Resp: 500040
Ion Ratio Lower Upper
91 100
92 54.2 27.4 82.2
134 27.0 13.5 40.4



#90
Hexachloroethane
Concen: 21.717 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013599.D
Acq: 26 Nov 2019 14:18

Tgt Ion: 117 Resp: 102141
Ion Ratio Lower Upper
117 100
201 88.4 44.1 132.4

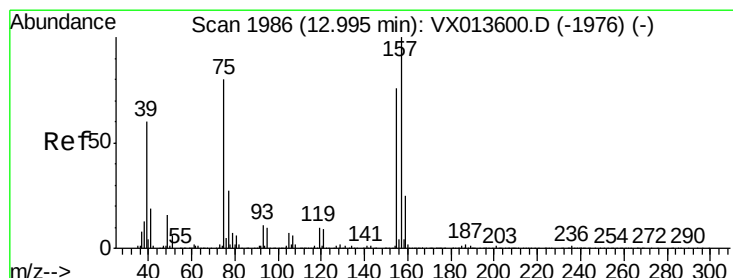
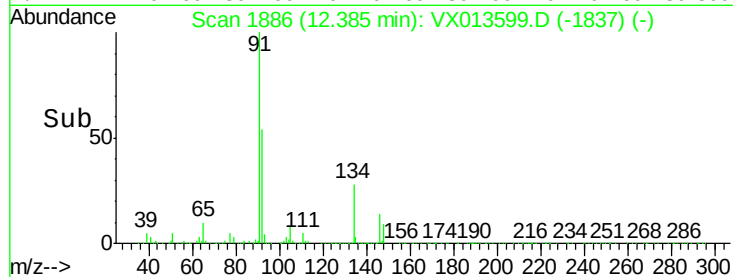
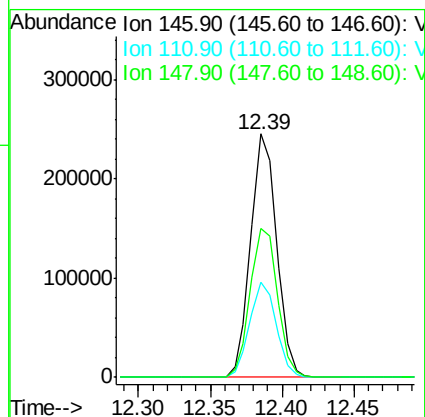
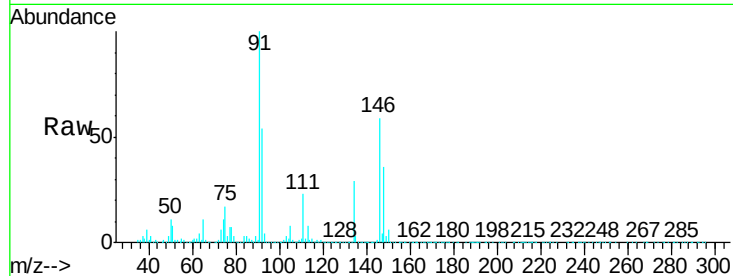




#91
 1,2-Dichlorobenzene
 Concen: 21.632 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX013599.D
 Acq: 26 Nov 2019 14:18

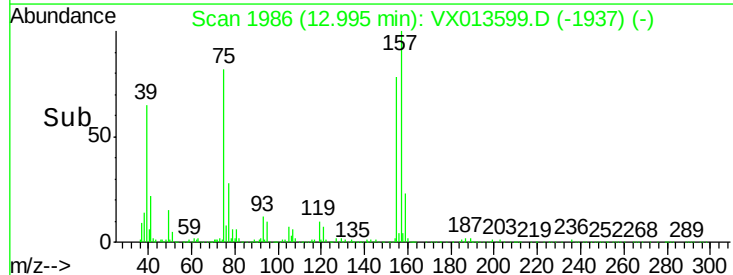
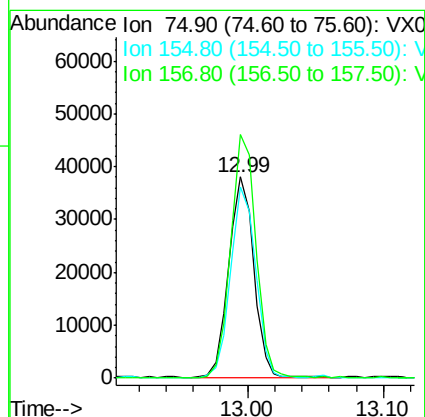
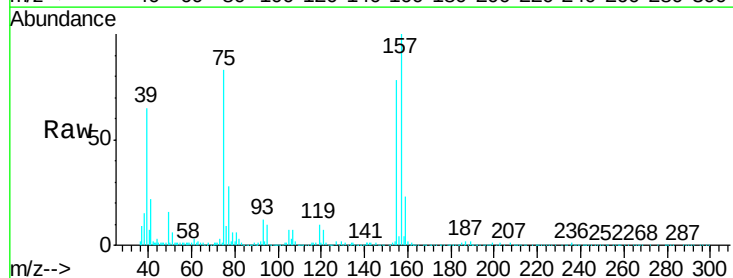
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

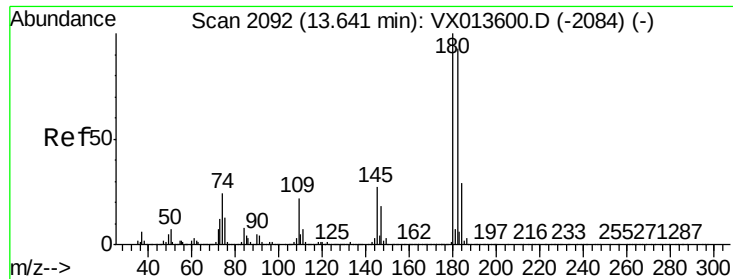
Tgt Ion: 146 Resp: 305588
 Ion Ratio Lower Upper
 146 100
 111 40.1 19.6 58.7
 148 64.4 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.549 ug/l
 RT: 12.99 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX013599.D
 Acq: 26 Nov 2019 14:18

Tgt Ion: 75 Resp: 48383
 Ion Ratio Lower Upper
 75 100
 155 96.8 47.6 142.8
 157 123.9 62.1 186.2

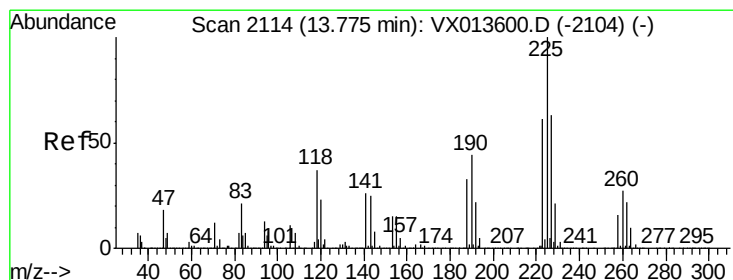
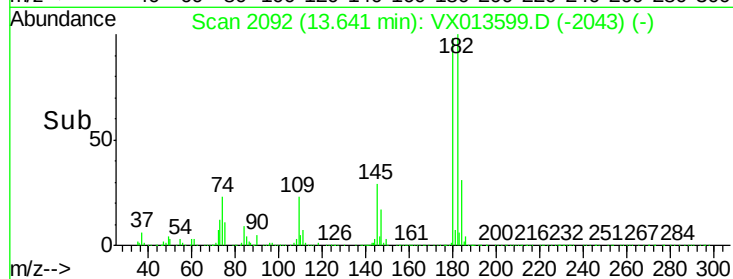
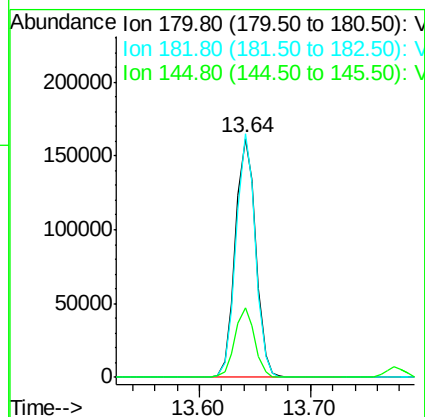
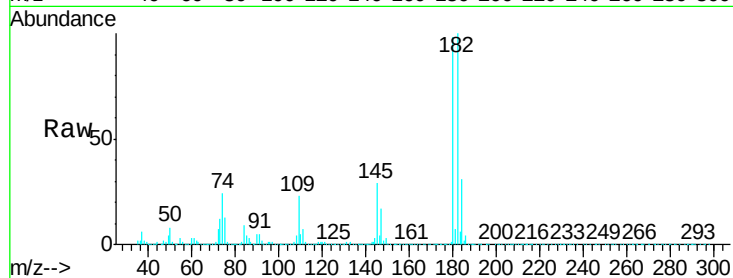




#93
1,2,4-Trichlorobenzene
Concen: 20.945 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. 0.00 min
Lab File: VX013599.D
Acq: 26 Nov 2019 14:18

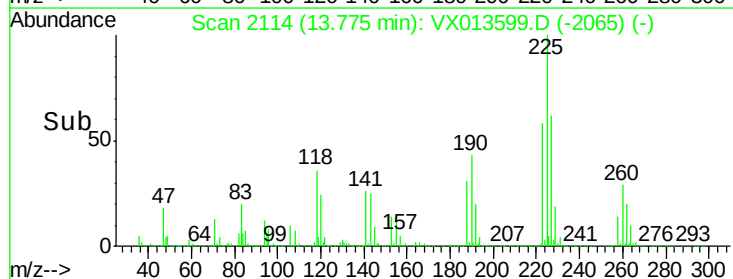
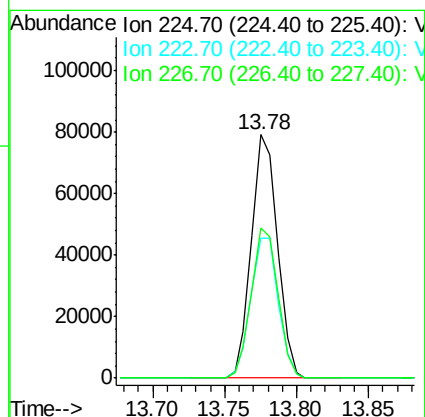
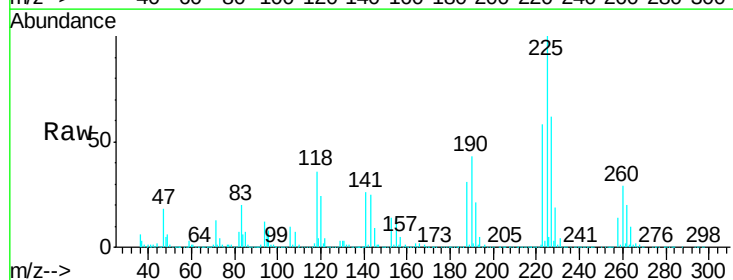
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

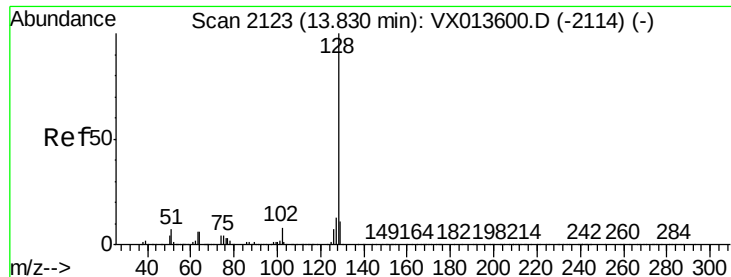
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.2	141.6
145	28.4	13.8	41.4



#94
Hexachlorobutadiene
Concen: 20.836 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VX013599.D
Acq: 26 Nov 2019 14:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	31.9	95.5
227	63.3	32.1	96.3

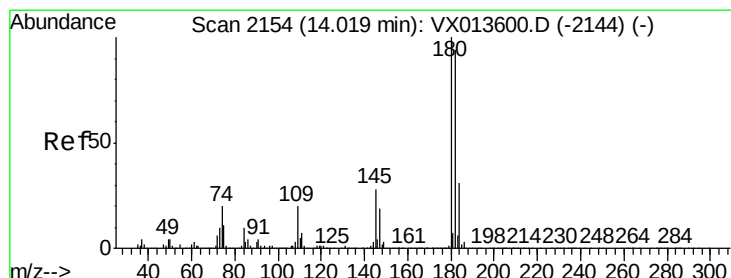
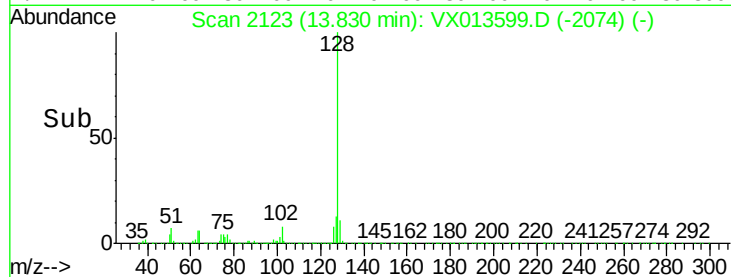
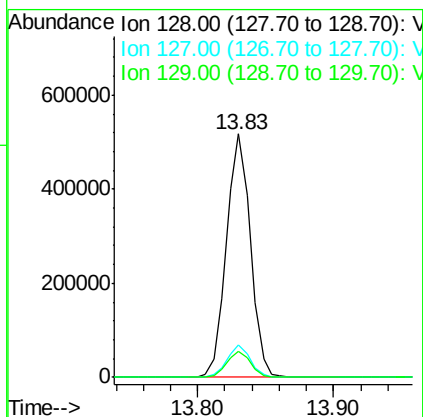
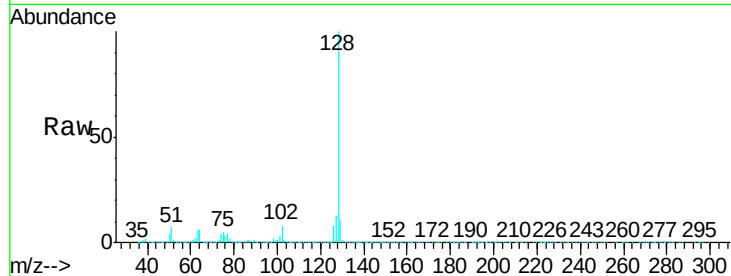




#95
Naphthalene
Concen: 20.758 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013599.D
Acq: 26 Nov 2019 14:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 632677
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.6 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 21.065 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VX013599.D
Acq: 26 Nov 2019 14:18

Tgt Ion:180 Resp: 206607
Ion Ratio Lower Upper
180 100
182 93.9 47.6 142.8
145 30.4 15.0 45.0

