

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112619\
 Data File : VX013613.D
 Acq On : 26 Nov 2019 20:53
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 27 03:43:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	695640	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1075476	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	960985	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	481651	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	391976	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
35) Dibromofluoromethane	5.49	113	328397	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
50) Toluene-d8	8.71	98	1249860	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	
62) 4-Bromofluorobenzene	11.14	95	453000	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	392308	50.667	ug/l	99
3) Chloromethane	1.31	50	425368	48.960	ug/l	99
4) Vinyl Chloride	1.40	62	498872	51.017	ug/l	98
5) Bromomethane	1.63	94	304995	46.443	ug/l	97
6) Chloroethane	1.71	64	265718	47.753	ug/l	100
7) Trichlorofluoromethane	1.92	101	524357	48.291	ug/l	99
8) Diethyl Ether	2.18	74	240811	49.021	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	318947	48.090	ug/l	98
10) Methyl Iodide	2.50	142	420876	52.459	ug/l	99
11) Tert butyl alcohol	3.03	59	446283	223.911	ug/l	99
12) 1,1-Dichloroethene	2.36	96	328071	49.556	ug/l	98
13) Acrolein	2.28	56	305131	229.421	ug/l	99
14) Allyl chloride	2.72	41	585011	48.694	ug/l	99
15) Acrylonitrile	3.13	53	1002813	243.747	ug/l	99
16) Acetone	2.43	43	892658	223.913	ug/l	100
17) Carbon Disulfide	2.56	76	901934	47.792	ug/l	99
18) Methyl Acetate	2.76	43	567047	51.080	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	1102831	50.286	ug/l	100
20) Methylene Chloride	2.84	84	365248	47.689	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	352962	48.941	ug/l	99
22) Diisopropyl ether	3.84	45	1152173	49.806	ug/l	98
23) Vinyl Acetate	3.80	43	4863458	252.718	ug/l	100
24) 1,1-Dichloroethane	3.69	63	630618	49.866	ug/l	99
25) 2-Butanone	4.66	43	1429024	241.190	ug/l	100
26) 2,2-Dichloropropane	4.58	77	491746	46.998	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	401923	48.528	ug/l	99
28) Bromochloromethane	5.00	49	256391	51.304	ug/l	100
29) Tetrahydrofuran	5.11	42	913638	250.139	ug/l	99
30) Chloroform	5.20	83	614354	47.902	ug/l	99
31) Cyclohexane	5.57	56	577974	48.455	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	530417	49.490	ug/l	99
36) 1,1-Dichloropropene	5.79	75	474340	48.587	ug/l	99
37) Ethyl Acetate	4.82	43	545671	49.823	ug/l	99
38) Carbon Tetrachloride	5.78	117	455423	50.591	ug/l	100

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Instrument :
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 ClientSampleId :

Quant Time: Nov 27 03:43:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	586971	48.641	ug/l	96
40) Benzene	6.14	78	1463184	49.210	ug/l	98
41) Methacrylonitrile	5.03	41	305841	50.919	ug/l	99
42) 1,2-Dichloroethane	6.19	62	498277	49.138	ug/l	99
43) Isopropyl Acetate	6.44	43	902504	50.054	ug/l	100
44) Trichloroethene	7.20	130	392332	48.078	ug/l	100
45) 1,2-Dichloropropane	7.51	63	370894	49.856	ug/l	96
46) Dibromomethane	7.65	93	244287	48.349	ug/l	99
47) Bromodichloromethane	7.89	83	483038	50.571	ug/l	99
48) Methyl methacrylate	7.76	41	447026	51.026	ug/l	99
49) 1,4-Dioxane	7.73	88	180437	920.135	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	2789926	245.987	ug/l	99
52) Toluene	8.78	92	916761	49.630	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	542276	49.877	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	601918	50.675	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	368151	49.458	ug/l	98
56) Ethyl methacrylate	9.17	69	607985	50.802	ug/l	99
57) 1,3-Dichloropropane	9.37	76	616896	48.080	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1153244	245.777	ug/l	99
59) 2-Hexanone	9.49	43	2149167	242.961	ug/l	100
60) Dibromochloromethane	9.57	129	393319	50.914	ug/l	100
61) 1,2-Dibromoethane	9.67	107	383205	48.200	ug/l	99
64) Tetrachloroethene	9.33	164	354848	49.515	ug/l	95
65) Chlorobenzene	10.14	112	974572	48.846	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	362330	50.572	ug/l	100
67) Ethyl Benzene	10.25	91	1743657	50.857	ug/l	98
68) m/p-Xylenes	10.36	106	1368114	104.227	ug/l	100
69) o-Xylene	10.70	106	649227	50.713	ug/l	99
70) Styrene	10.71	104	1095152	50.854	ug/l	99
71) Bromoform	10.85	173	311867	52.608	ug/l #	99
73) Isopropylbenzene	11.01	105	1695661	50.188	ug/l	100
74) N-amyl acetate	10.89	43	795108	51.374	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	576665	49.217	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	672615	62.088	ug/l	88
77) Bromobenzene	11.25	156	445411	48.799	ug/l	99
78) n-propylbenzene	11.35	91	1896527	50.285	ug/l	100
79) 2-Chlorotoluene	11.42	91	1124502	49.703	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1430787	51.670	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	198452	50.117	ug/l	97
82) 4-Chlorotoluene	11.51	91	1293462	49.361	ug/l	100
83) tert-Butylbenzene	11.76	119	1427911	50.740	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1472292	52.389	ug/l	100
85) sec-Butylbenzene	11.94	105	1617190	50.311	ug/l	100
86) p-Isopropyltoluene	12.06	119	1517218	50.737	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	778512	48.931	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	782641	48.293	ug/l	99
89) n-Butylbenzene	12.39	91	1311608	51.426	ug/l	99
90) Hexachloroethane	12.59	117	270444	50.035	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	780921	49.676	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	128969	50.546	ug/l	98

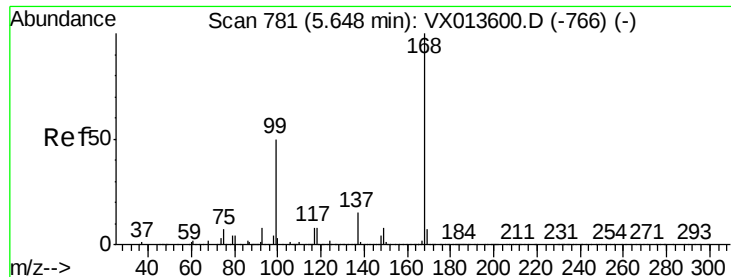
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112619\
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ClientSampleId :

Quant Time: Nov 27 03:43:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	551087	50.301	ug/l	100
94) Hexachlorobutadiene	13.78	225	246362	46.810	ug/l	100
95) Naphthalene	13.83	128	1753275	53.737	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	546704	50.398	ug/l	99

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

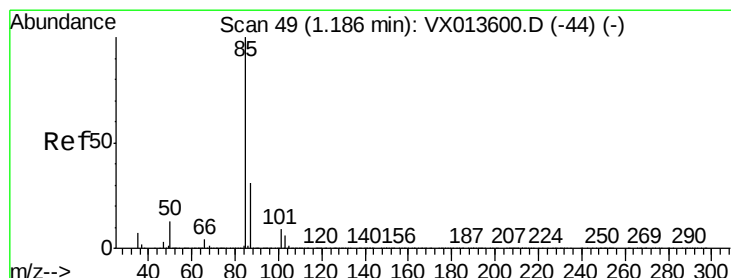
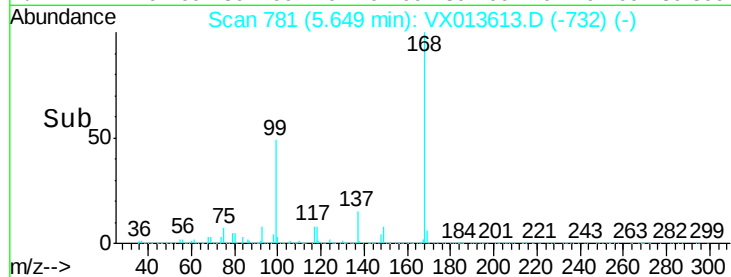
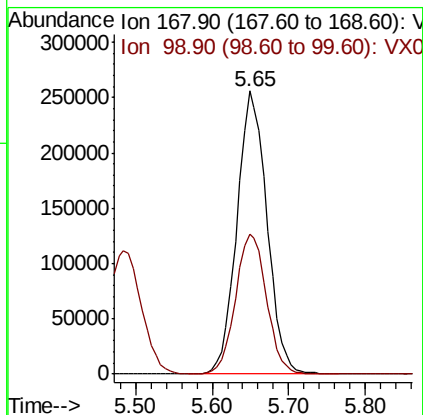
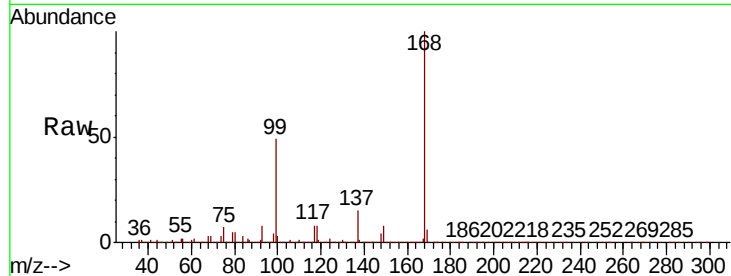


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. 0.00 min
 Lab File: VX013613.D
 Acq: 26 Nov 2019 20:53

Instrument :
 MSVOA_X
 ClientSampleId :

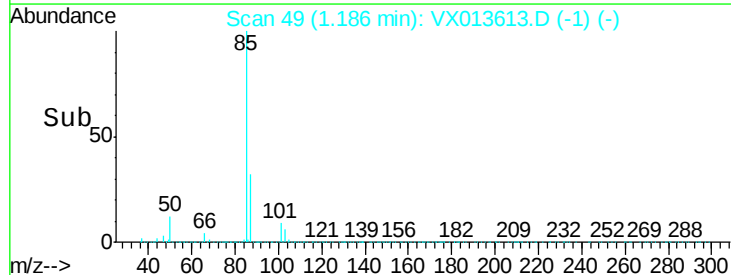
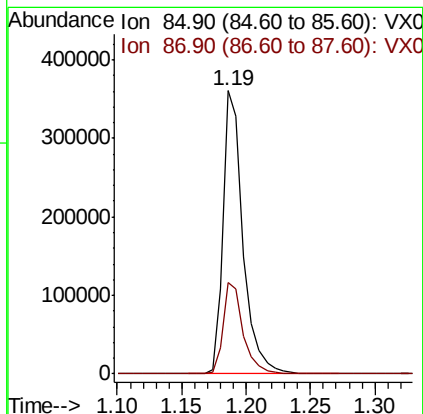
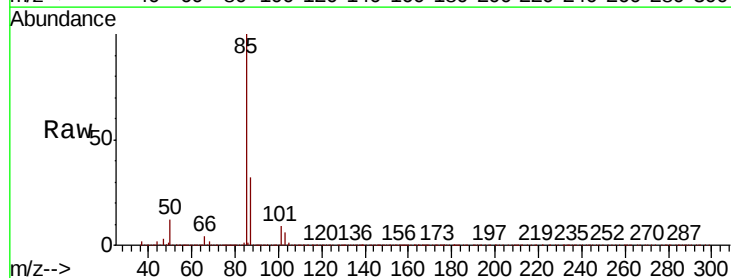
Tot Ion:168 Resp: 695640
 Ion Ratio Lower Upper
 168 100
 99 49.2 39.8 59.8

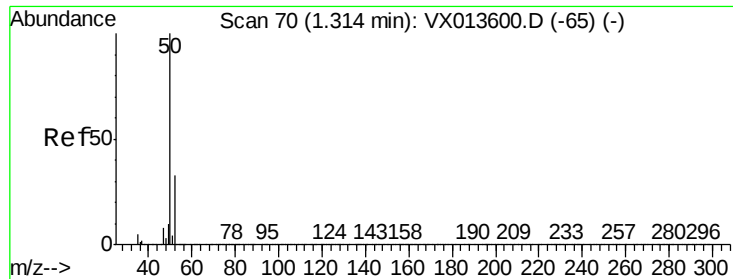


#2

Dichlorodifluoromethane
 Concen: 50.667 ug/l
 RT: 1.19 min Scan# 49
 Delta R.T. 0.00 min
 Lab File: VX013613.D
 Acq: 26 Nov 2019 20:53

Tgt Ion: 85 Resp: 392308
 Ion Ratio Lower Upper
 85 100
 87 32.1 15.7 47.1





#3

Chloromethane

Concen: 48.960 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX013613.D

Acq: 26 Nov 2019 20:53

Instrument :

MSVOA_X

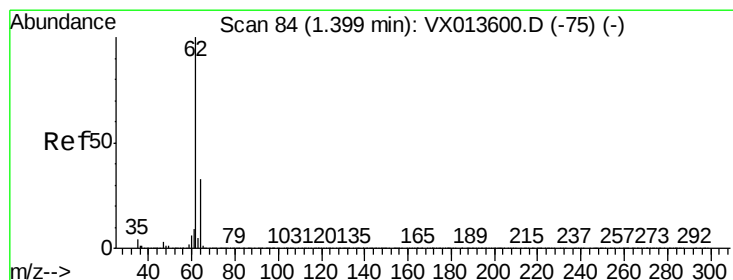
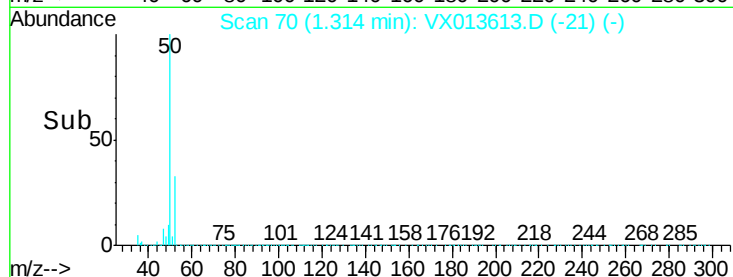
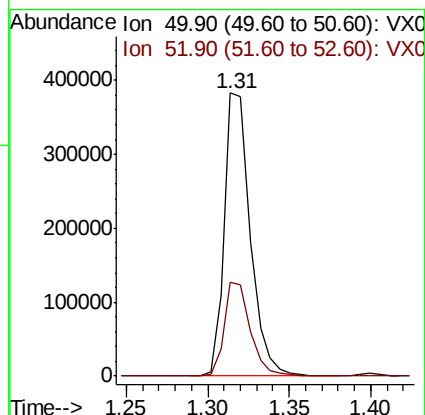
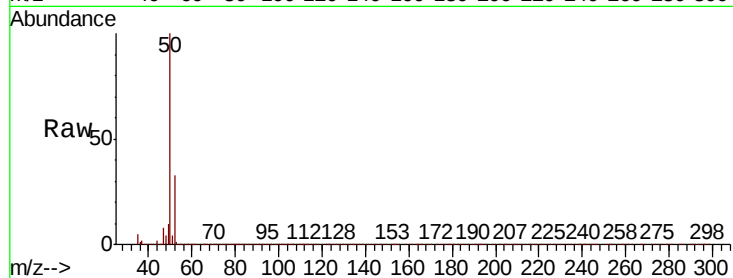
ClientSampleId :

Tot Ion: 50 Resp: 425368

Ion Ratio Lower Upper

50 100

52 33.0 26.0 39.0



#4

Vinyl Chloride

Concen: 51.017 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013613.D

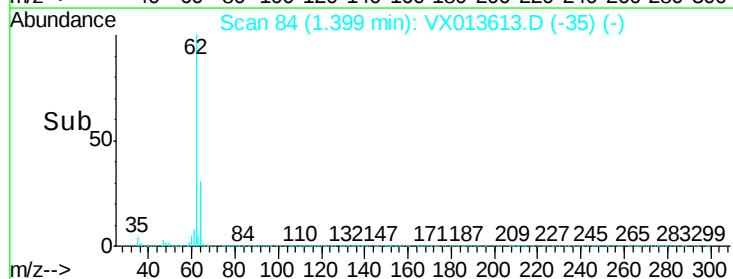
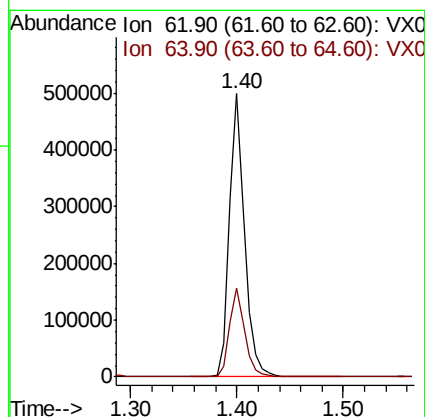
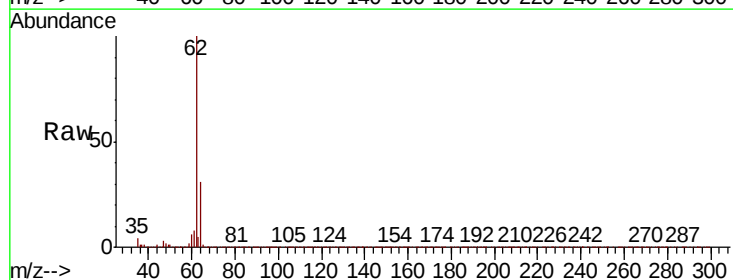
Acq: 26 Nov 2019 20:53

Tgt Ion: 62 Resp: 498872

Ion Ratio Lower Upper

62 100

64 31.2 26.0 39.0





#5

Bromomethane

Concen: 46.443 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX013613.D

Acq: 26 Nov 2019 20:53

Instrument :

MSVOA_X

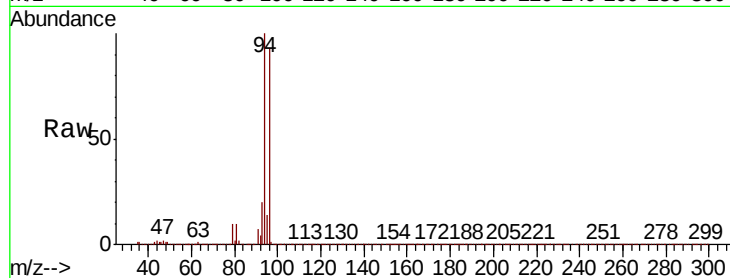
ClientSampleId :

Tot Ion: 94 Resp: 304995

Ion Ratio Lower Upper

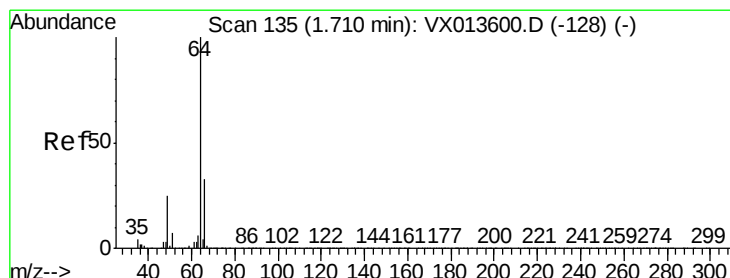
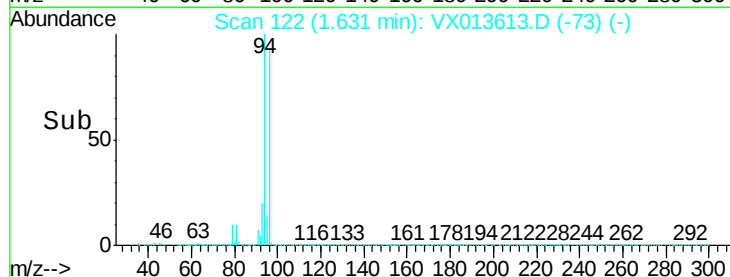
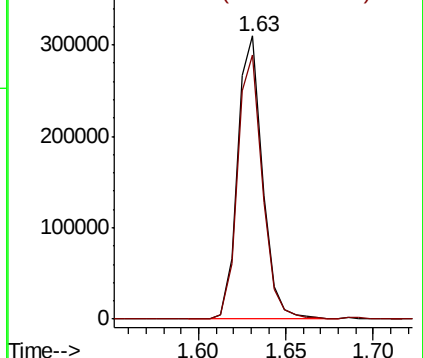
94 100

96 93.1 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 47.753 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX013613.D

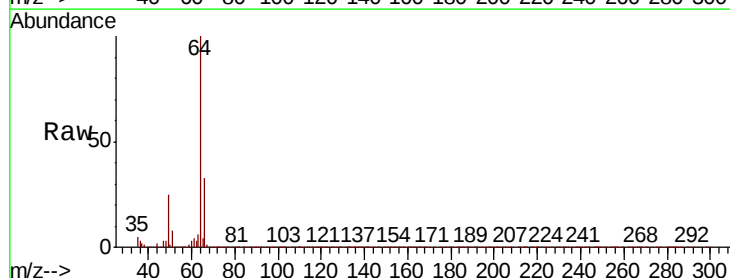
Acq: 26 Nov 2019 20:53

Tgt Ion: 64 Resp: 265718

Ion Ratio Lower Upper

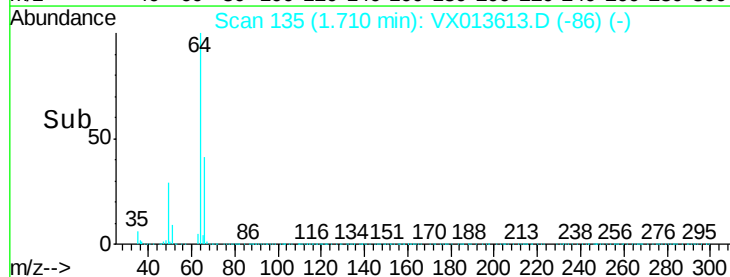
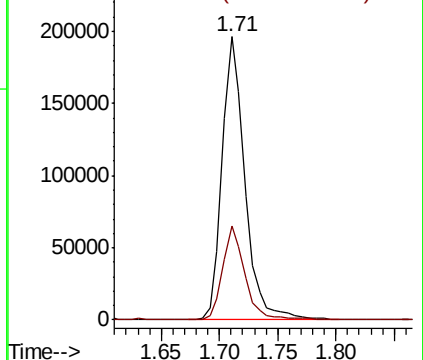
64 100

66 33.1 26.7 40.1



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



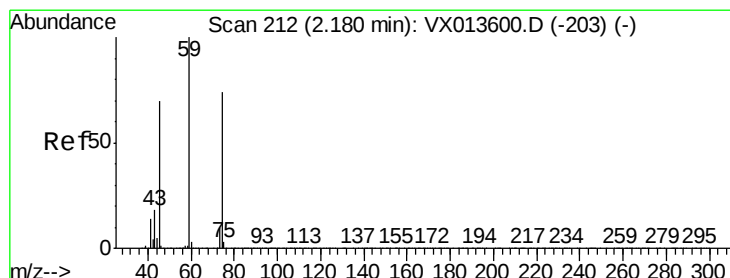
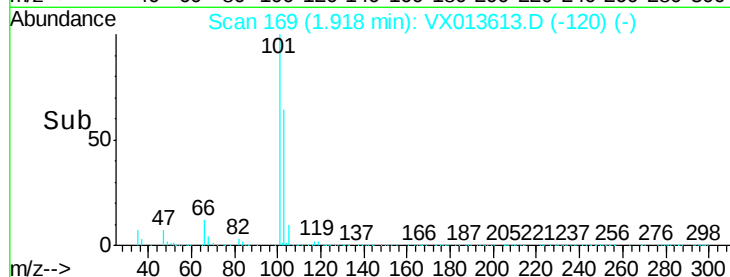
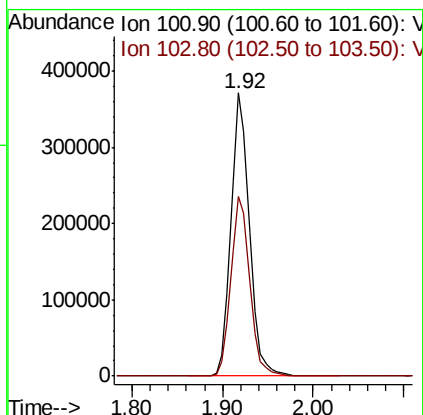
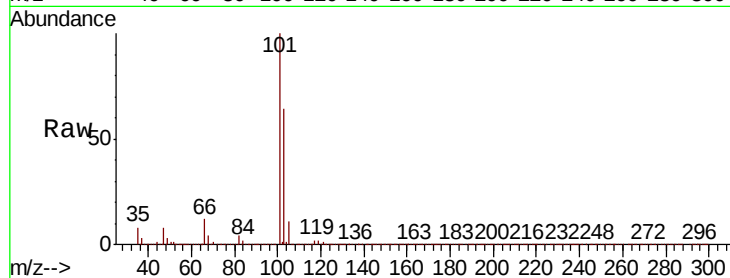


#7

Trichlorofluoromethane
Concen: 48.291 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX013613.D
Acq: 26 Nov 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :

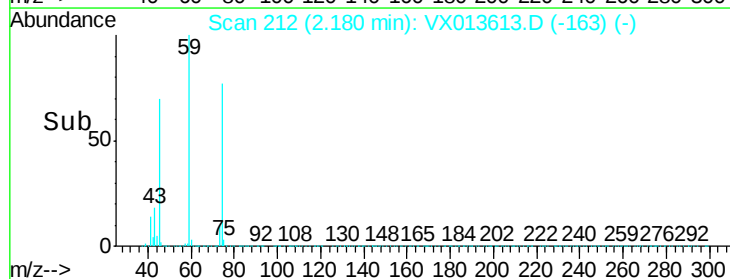
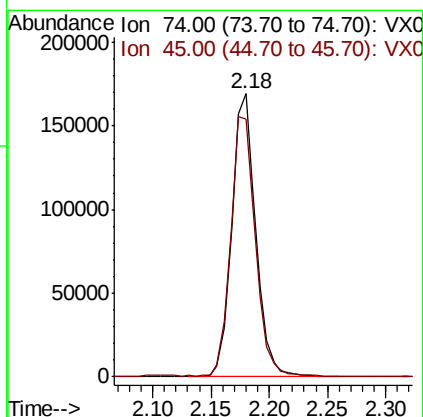
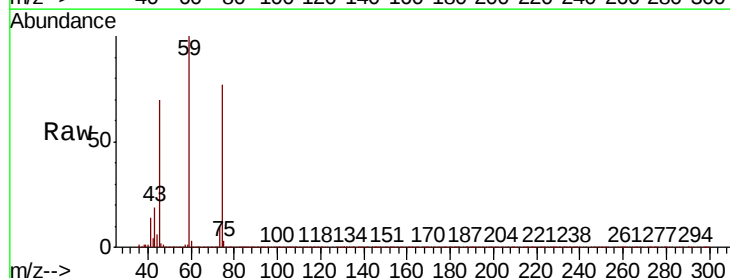
Tot Ion:101 Resp: 524357
Ion Ratio Lower Upper
101 100
103 63.5 51.8 77.6

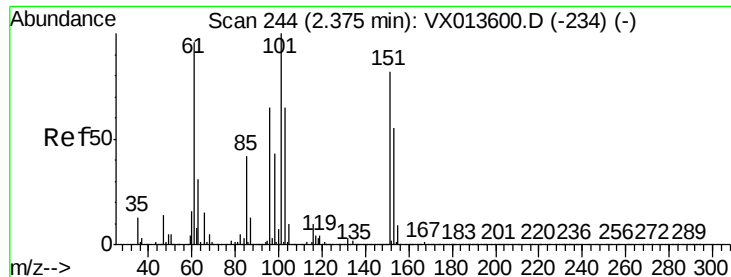


#8

Diethyl Ether
Concen: 49.021 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX013613.D
Acq: 26 Nov 2019 20:53

Tgt Ion: 74 Resp: 240811
Ion Ratio Lower Upper
74 100
45 95.1 48.9 146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.090 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX013613.D

Acq: 26 Nov 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

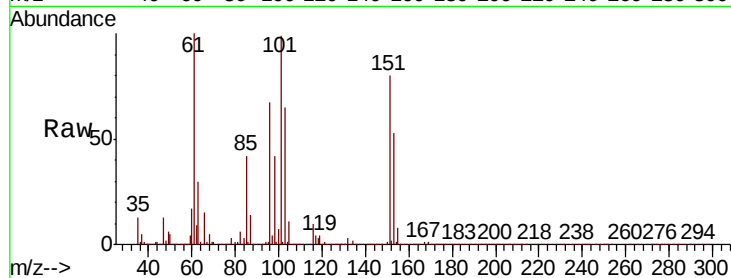
Tot Ion:101 Resp: 318947

Ion Ratio Lower Upper

101 100

85 42.1 33.9 50.9

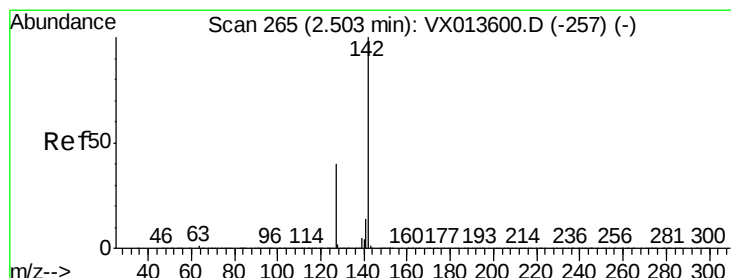
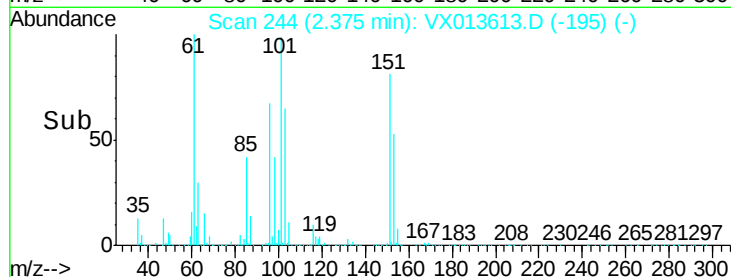
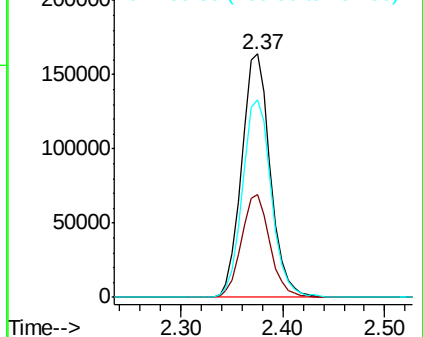
151 82.1 64.2 96.2



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: 52.459 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX013613.D

Acq: 26 Nov 2019 20:53

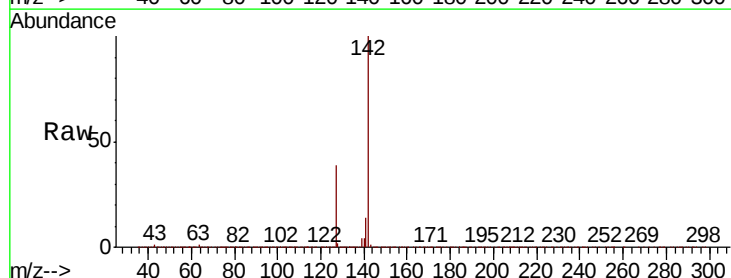
Tgt Ion:142 Resp: 420876

Ion Ratio Lower Upper

142 100

127 39.4 31.0 46.4

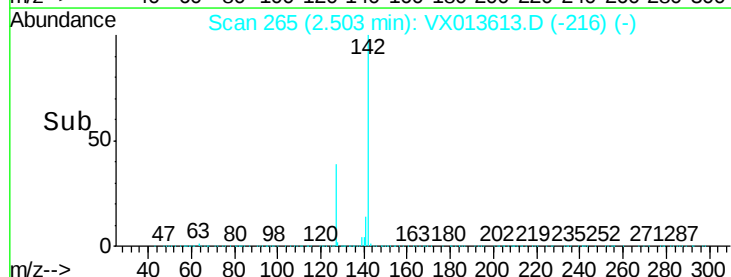
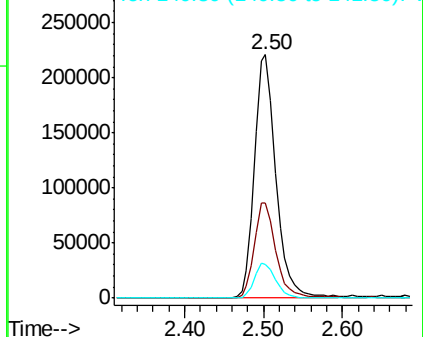
141 14.4 11.6 17.4

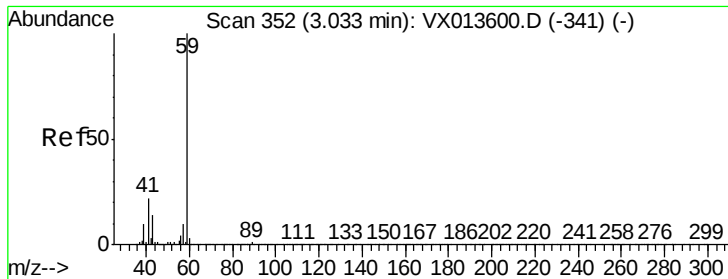


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



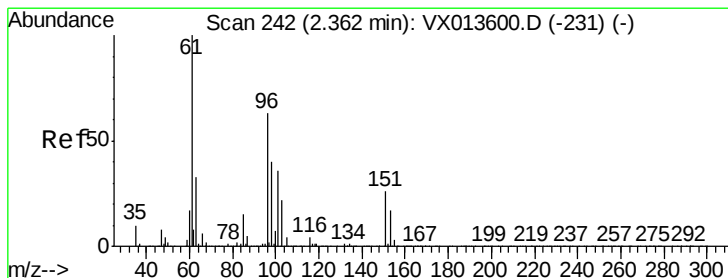
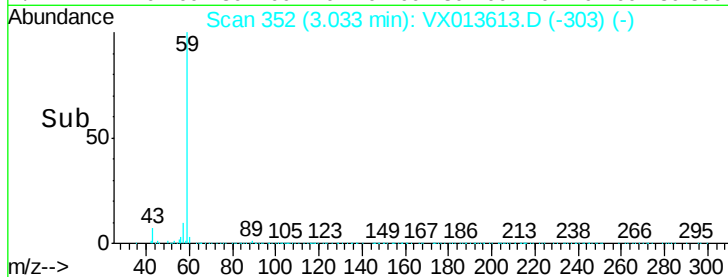
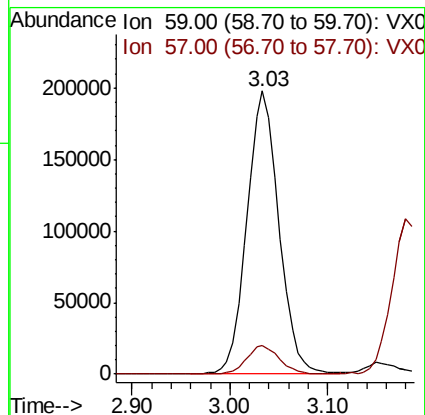
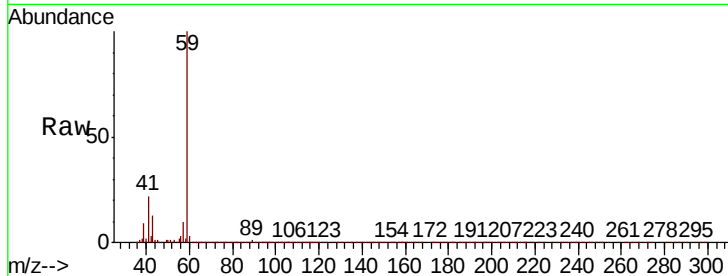


#11

Tert butyl alcohol
Concen: 223.911 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX013613.D
Acq: 26 Nov 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :

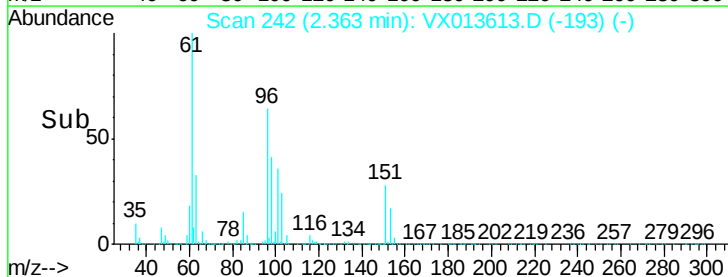
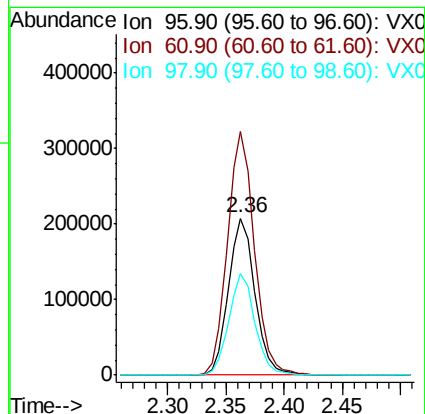
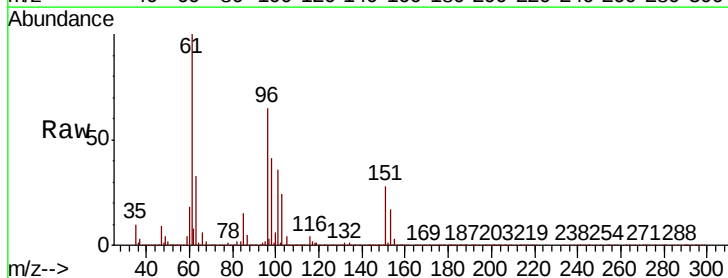
Tot Ion: 59 Resp: 446283
Ion Ratio Lower Upper
59 100
57 10.1 7.8 11.6

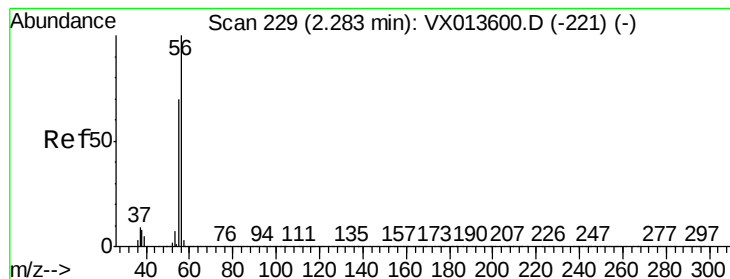


#12

1,1-Dichloroethene
Concen: 49.556 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX013613.D
Acq: 26 Nov 2019 20:53

Tgt Ion: 96 Resp: 328071
Ion Ratio Lower Upper
96 100
61 154.9 126.6 190.0
98 64.3 50.6 76.0





#13

Acrolein

Concen: 229.421 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013613.D

Acq: 26 Nov 2019 20:53

Instrument :

MSVOA_X

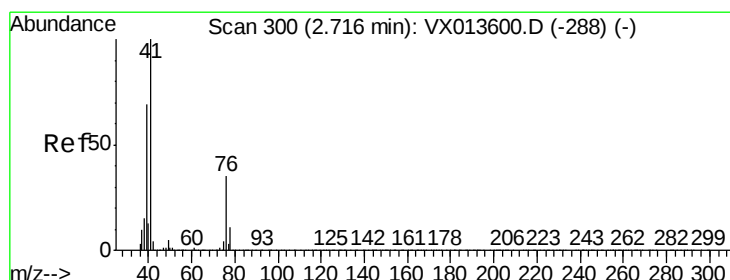
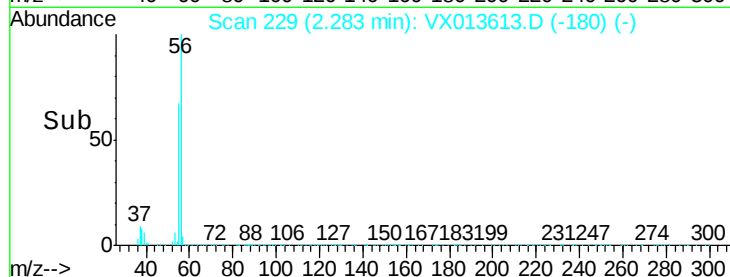
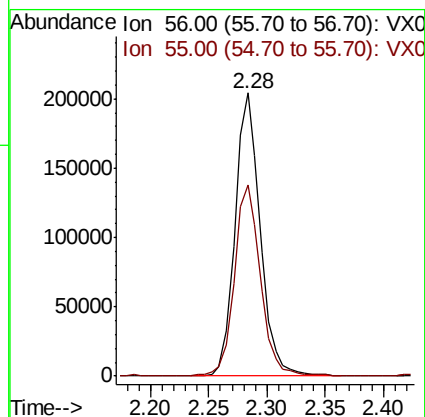
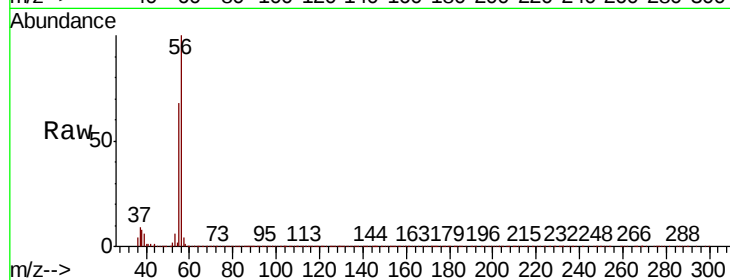
ClientSampleId :

Tot Ion: 56 Resp: 305131

Ion Ratio Lower Upper

56 100

55 69.5 56.2 84.4



#14

Allyl chloride

Concen: 48.694 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX013613.D

Acq: 26 Nov 2019 20:53

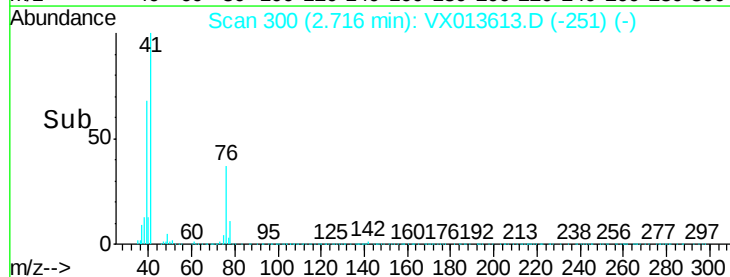
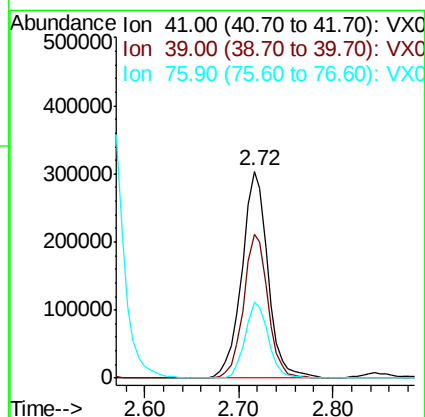
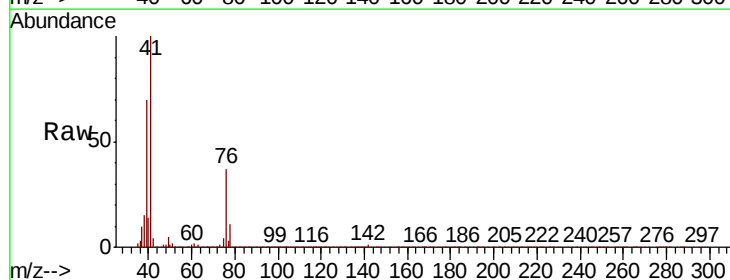
Tgt Ion: 41 Resp: 585011

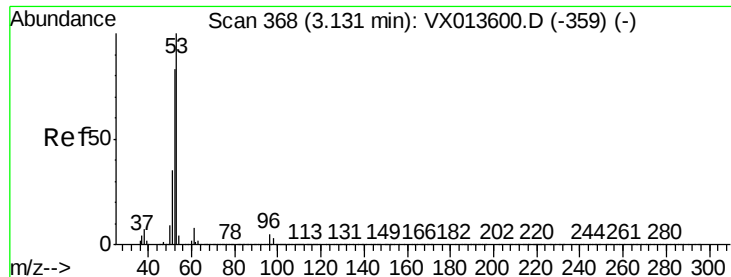
Ion Ratio Lower Upper

41 100

39 65.3 51.7 77.5

76 32.8 25.9 38.9





#15

Acrylonitrile

Concen: 243.747 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

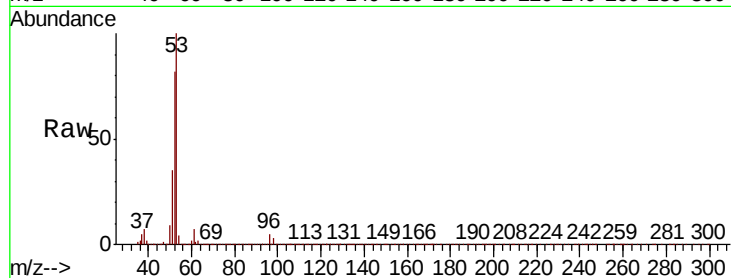
Lab File: VX013613.D

Acq: 26 Nov 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 53 Resp: 1002813

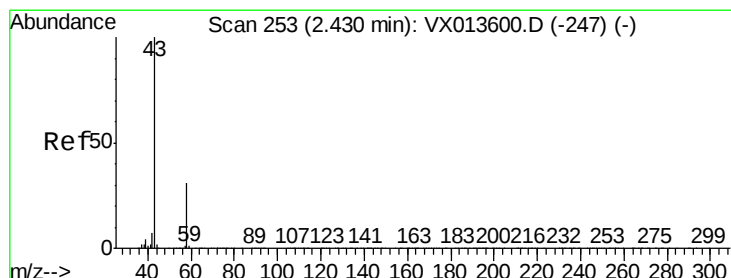
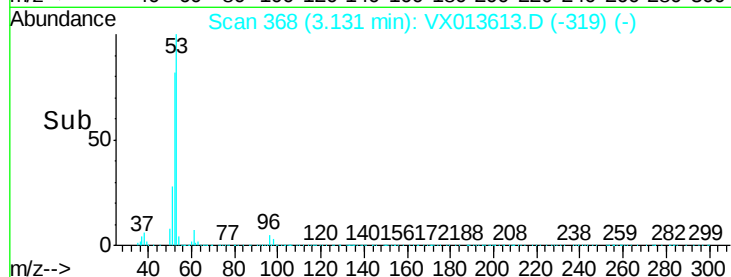
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.2	99.2
51	35.8	29.0	43.6



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 223.913 ug/l

RT: 2.43 min Scan# 253

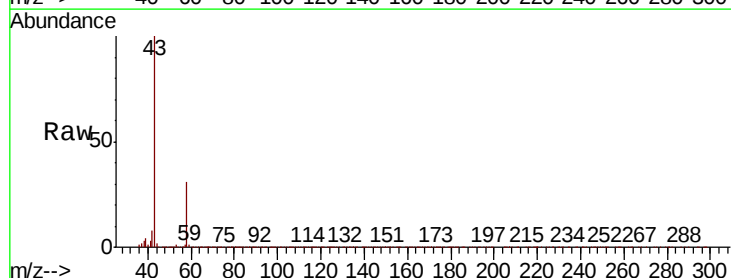
Delta R.T. 0.00 min

Lab File: VX013613.D

Acq: 26 Nov 2019 20:53

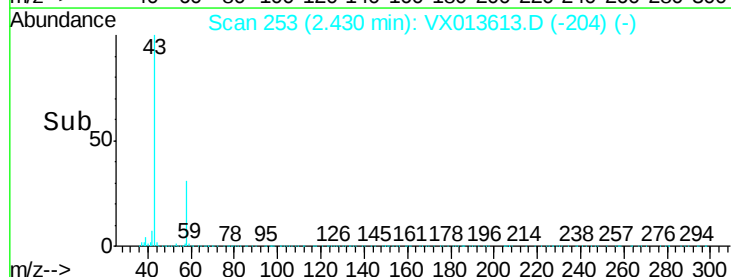
Tgt Ion: 43 Resp: 892658

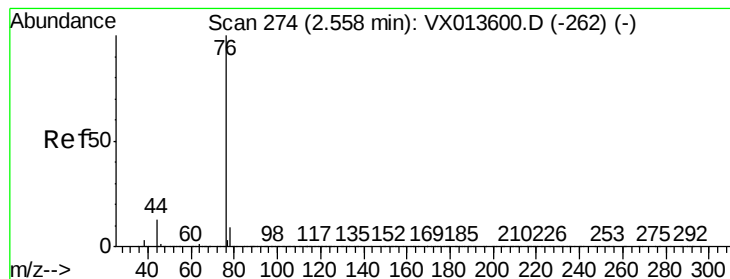
Ion	Ratio	Lower	Upper
43	100		
58	30.6	24.6	36.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 47.792 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX013613.D

Acq: 26 Nov 2019 20:53

Instrument :

MSVOA_X

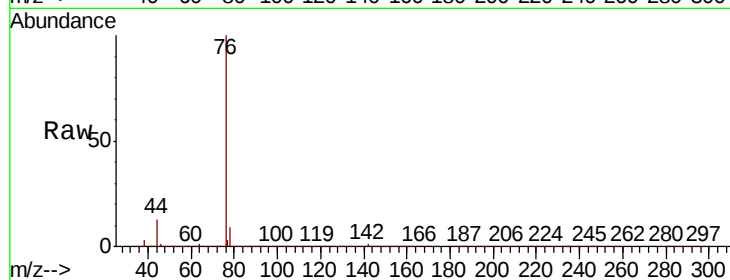
ClientSampleId :

Tot Ion: 76 Resp: 901934

Ion Ratio Lower Upper

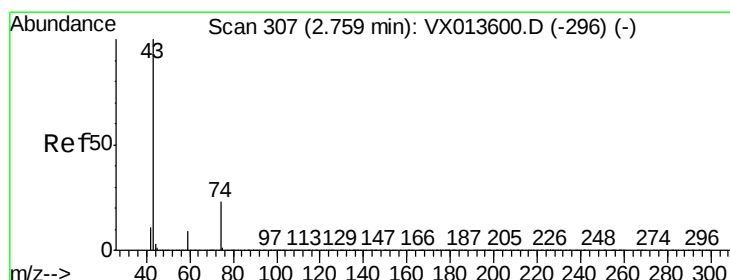
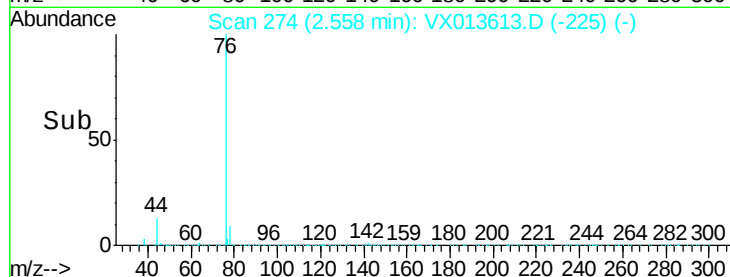
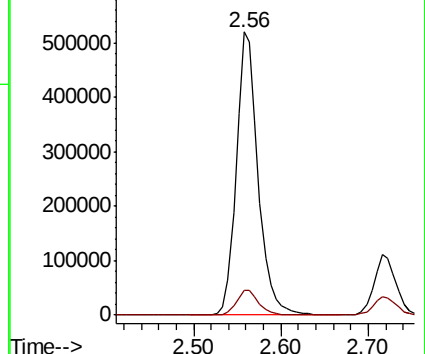
76 100

78 8.8 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 51.080 ug/l

RT: 2.76 min Scan# 307

Delta R.T. 0.00 min

Lab File: VX013613.D

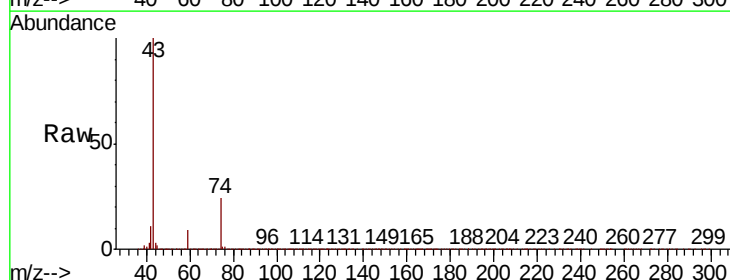
Acq: 26 Nov 2019 20:53

Tgt Ion: 43 Resp: 567047

Ion Ratio Lower Upper

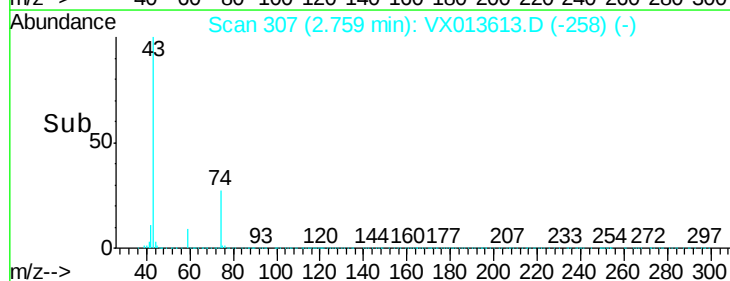
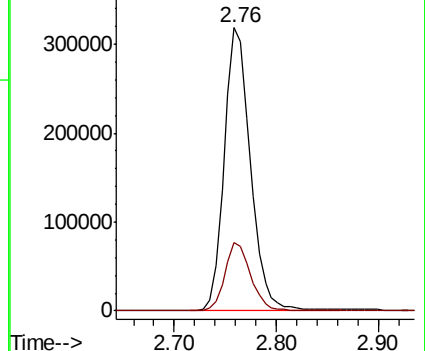
43 100

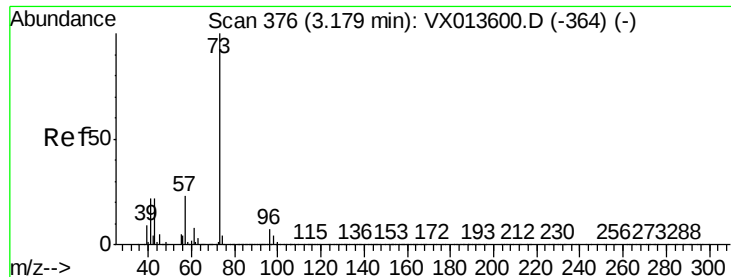
74 24.1 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



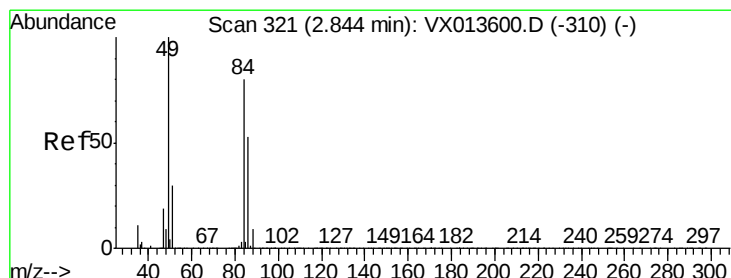
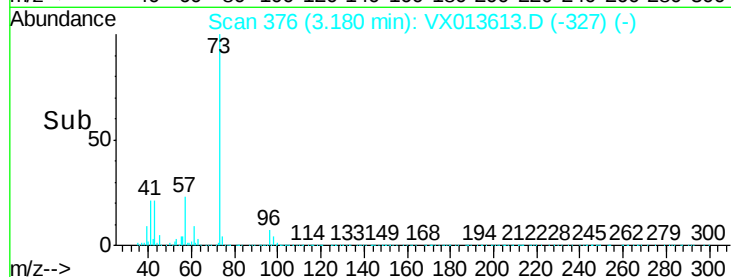
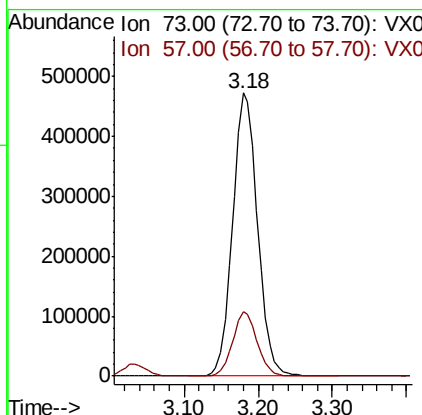
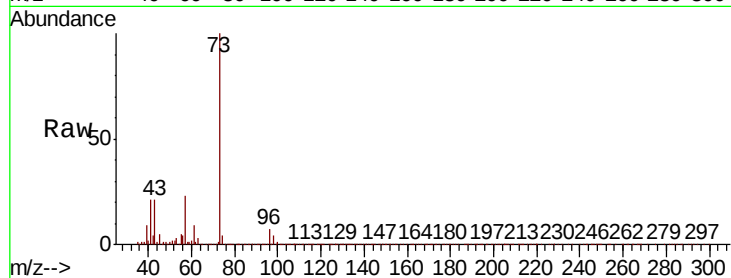


#19

Methyl tert-butyl Ether
 Concen: 50.286 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VX013613.D
 Acq: 26 Nov 2019 20:53

Instrument :
 MSVOA_X
 ClientSampled :

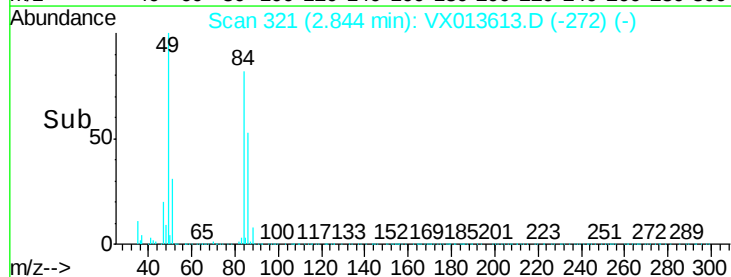
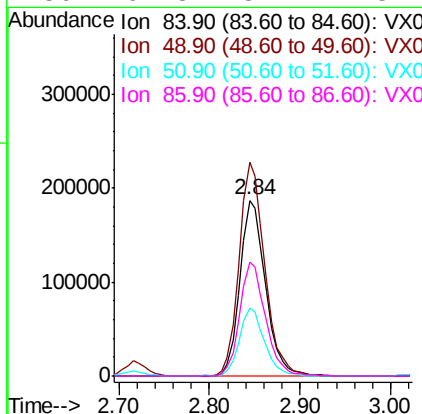
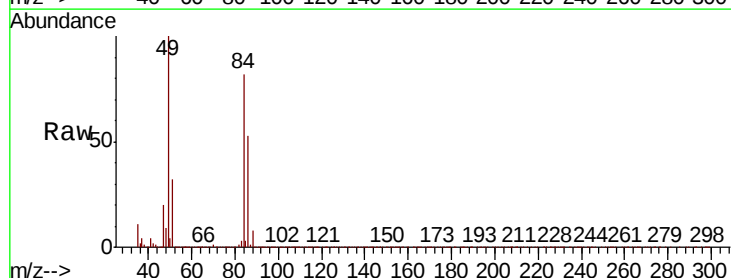
Tot Ion: 73 Resp: 1102831
 Ion Ratio Lower Upper
 73 100
 57 22.9 18.3 27.5

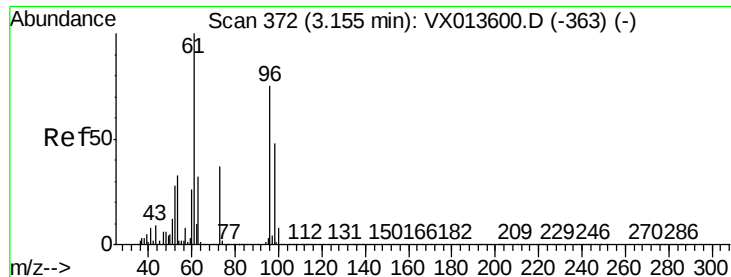


#20

Methylene Chloride
 Concen: 47.689 ug/l
 RT: 2.84 min Scan# 321
 Delta R.T. 0.00 min
 Lab File: VX013613.D
 Acq: 26 Nov 2019 20:53

Tgt Ion: 84 Resp: 365248
 Ion Ratio Lower Upper
 84 100
 49 121.2 99.7 149.5
 51 38.2 29.9 44.9
 86 64.8 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 48.941 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013613.D

Acq: 26 Nov 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :

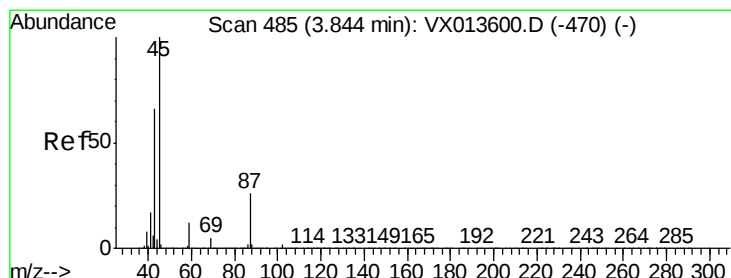
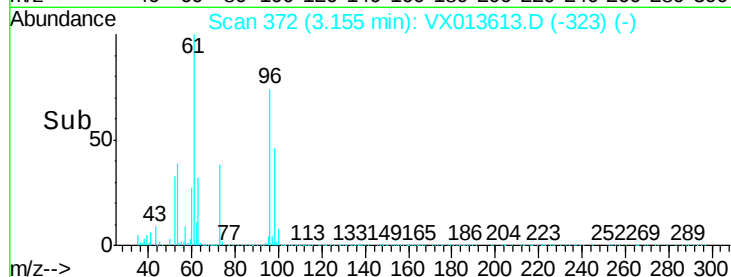
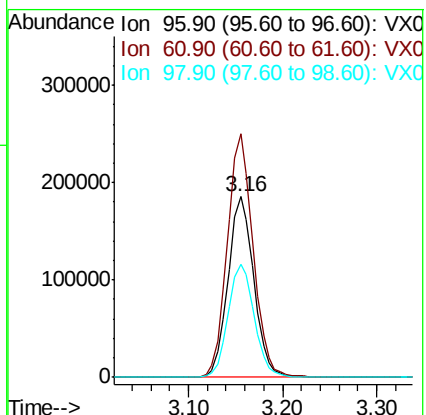
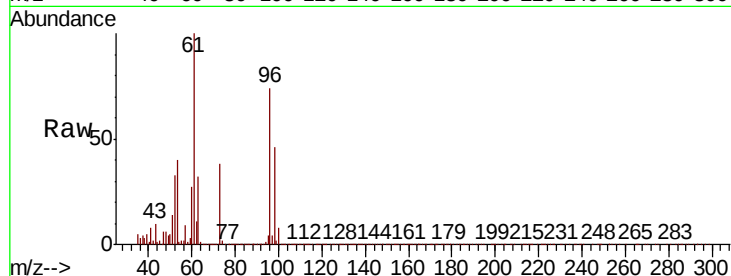
Tot Ion: 96 Resp: 352962

Ion Ratio Lower Upper

96 100

61 134.8 107.2 160.8

98 62.5 51.4 77.0



#22

Diisopropyl ether

Concen: 49.806 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX013613.D

Acq: 26 Nov 2019 20:53

Tgt Ion: 45 Resp: 1152173

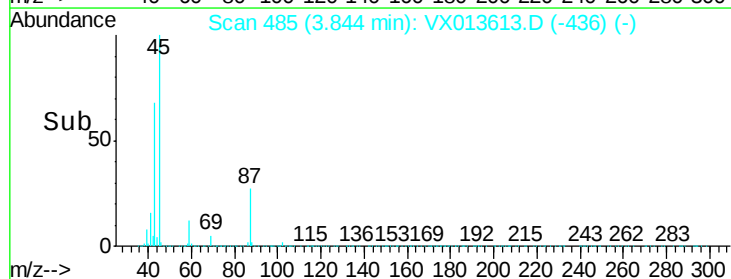
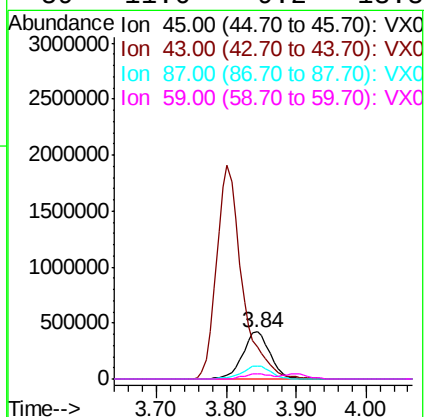
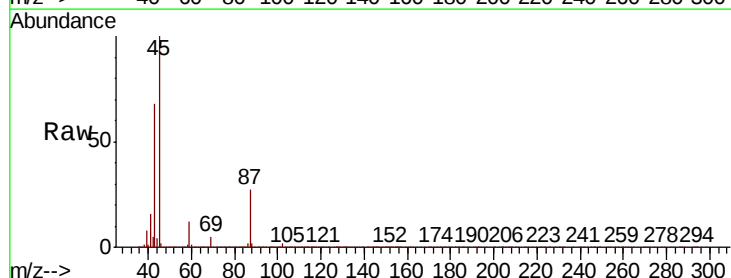
Ion Ratio Lower Upper

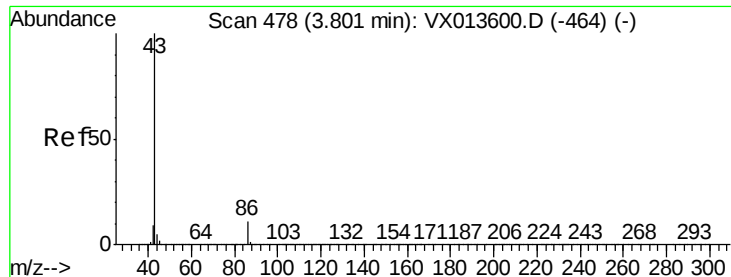
45 100

43 68.1 52.6 79.0

87 27.2 21.1 31.7

59 11.6 9.2 13.8





#23

Vinyl Acetate

Concen: 252.718 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX013613.D

Acq: 26 Nov 2019 20:53

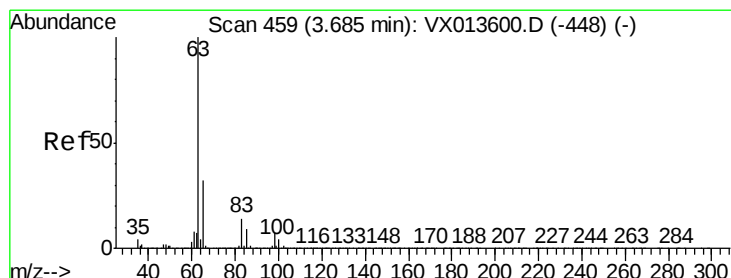
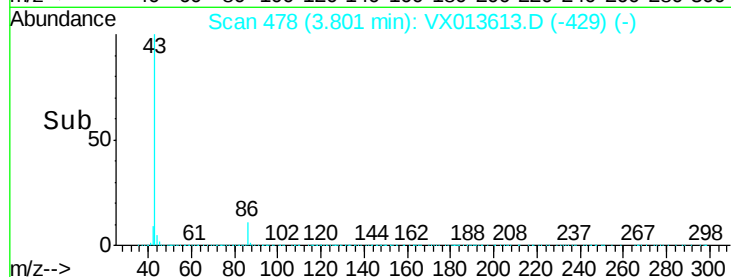
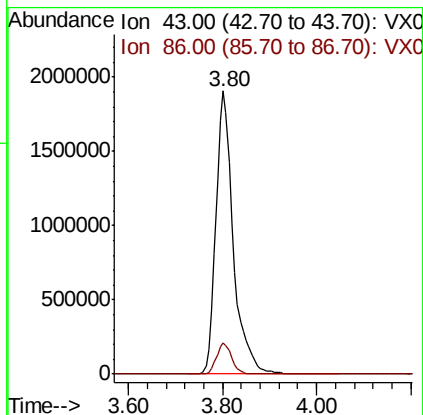
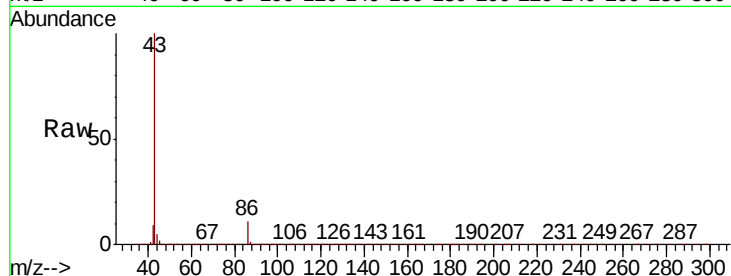
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 4863458

Ion Ratio Lower Upper

43 100

86 11.1 8.7 13.1



#24

1,1-Dichloroethane

Concen: 49.866 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX013613.D

Acq: 26 Nov 2019 20:53

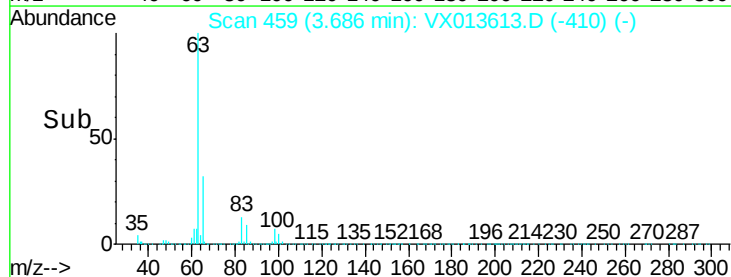
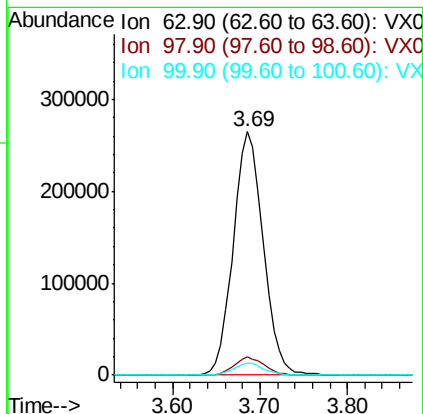
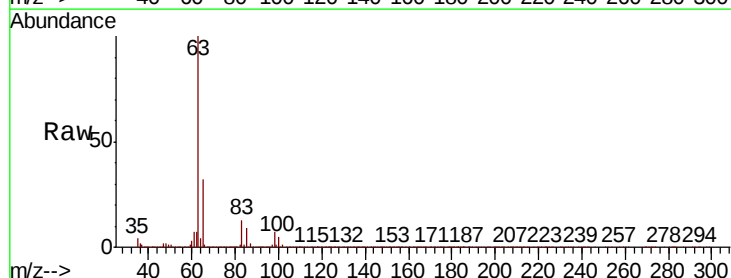
Tgt Ion: 63 Resp: 630618

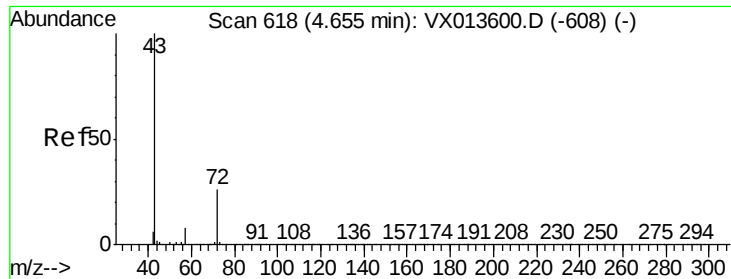
Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.4

100 4.7 2.1 6.3

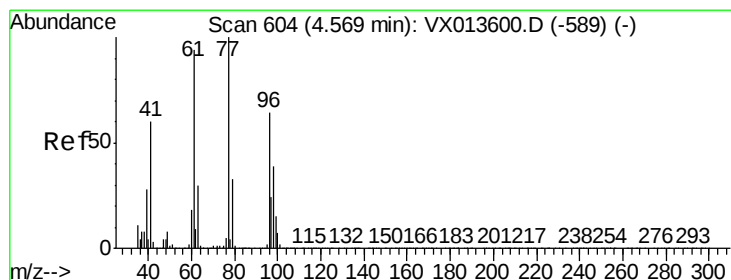
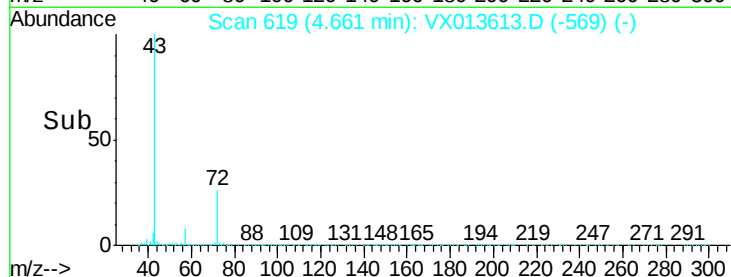
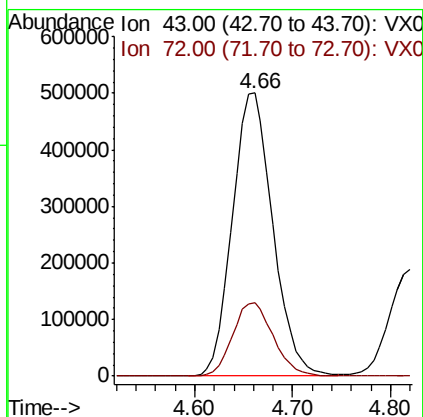
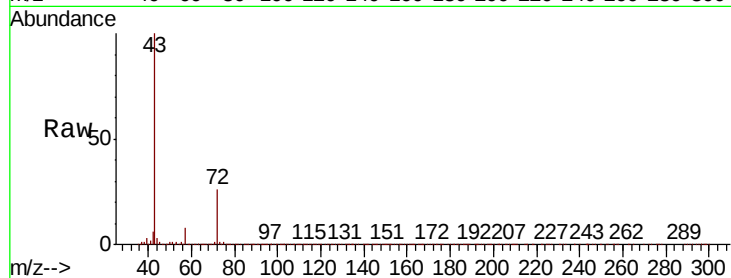




#25
2-Butanone
Concen: 241.190 ug/l
RT: 4.66 min Scan# 619
Delta R.T. 0.01 min
Lab File: VX013613.D
Acq: 26 Nov 2019 20:53

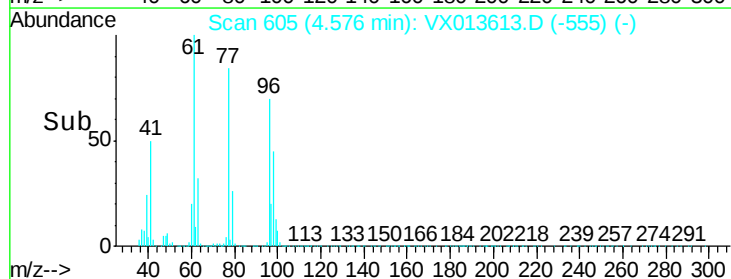
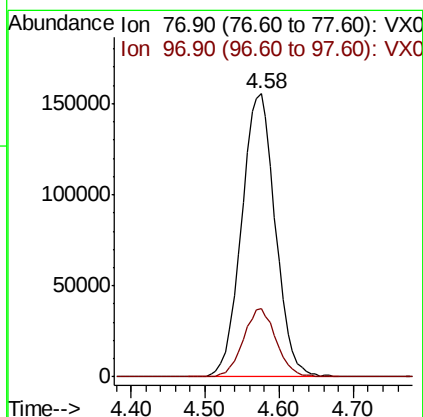
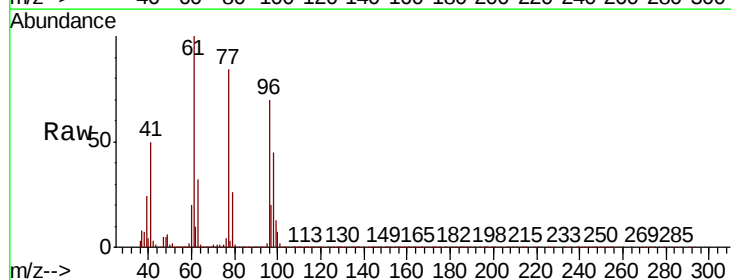
Instrument :
MSVOA_X
ClientSampleId :

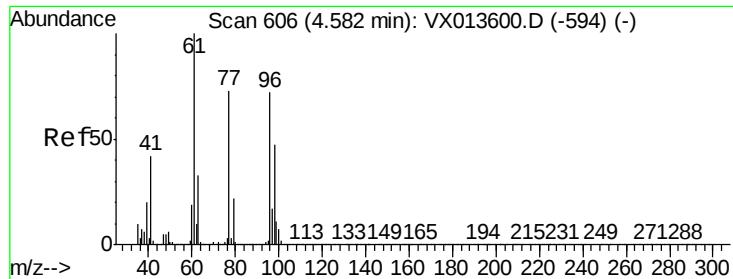
Tot Ion: 43 Resp: 1429024
Ion Ratio Lower Upper
43 100
72 26.0 20.6 31.0



#26
2,2-Dichloropropane
Concen: 46.998 ug/l
RT: 4.58 min Scan# 605
Delta R.T. 0.01 min
Lab File: VX013613.D
Acq: 26 Nov 2019 20:53

Tgt Ion: 77 Resp: 491746
Ion Ratio Lower Upper
77 100
97 23.6 12.0 36.1



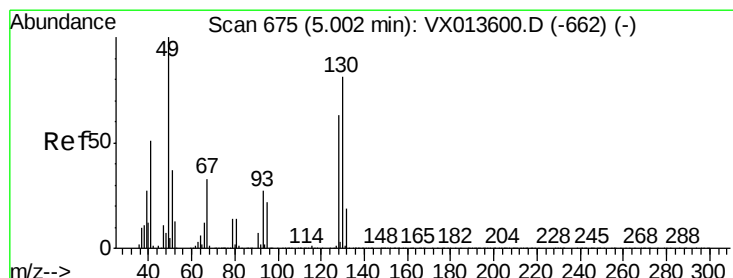
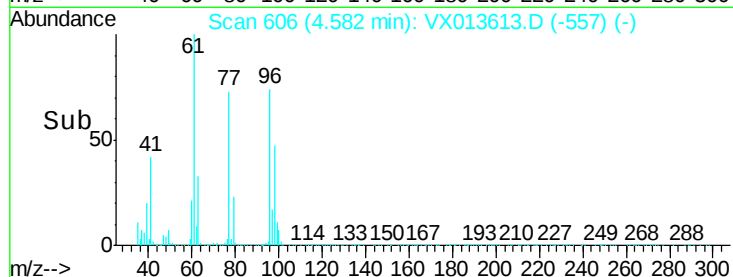
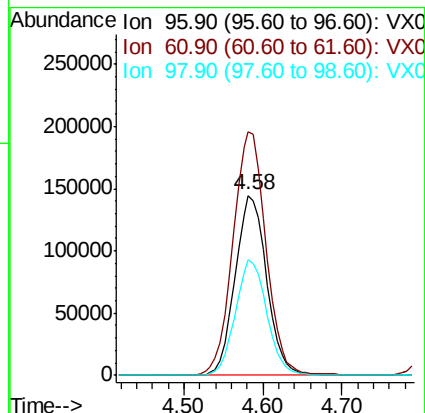
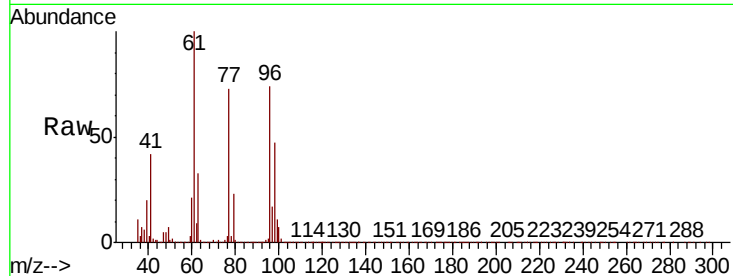


#27

cis-1,2-Dichloroethene
Concen: 48.528 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX013613.D
Acq: 26 Nov 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :

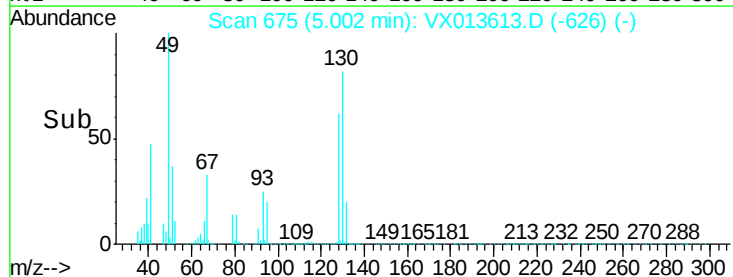
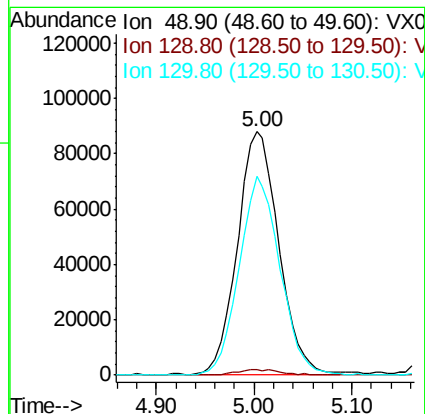
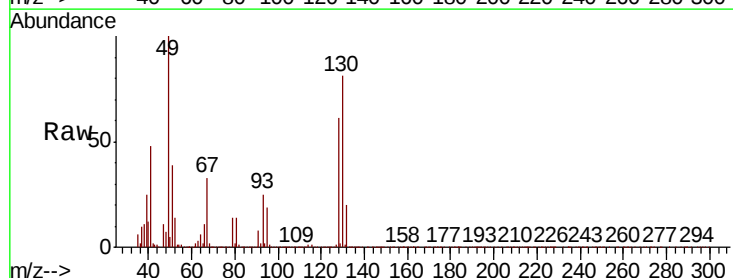
Tot Ion	Ratio	Lower	Upper
96	100		
61	141.4	0.0	286.4
98	63.6	0.0	127.4

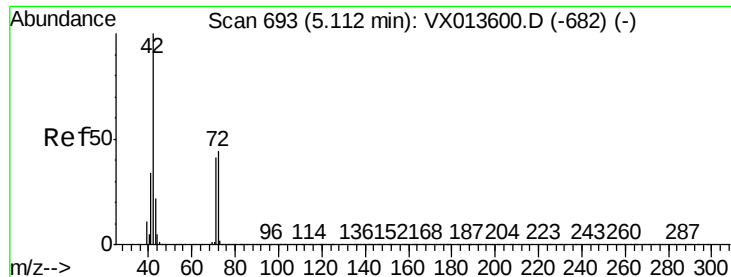


#28

Bromochloromethane
Concen: 51.304 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX013613.D
Acq: 26 Nov 2019 20:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	5.0
130	81.3	65.4	98.0





#29

Tetrahydrofuran

Concen: 250.139 ug/l

RT: 5.11 min Scan# 693

Delta R.T. 0.00 min

Lab File: VX013613.D

Acq: 26 Nov 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

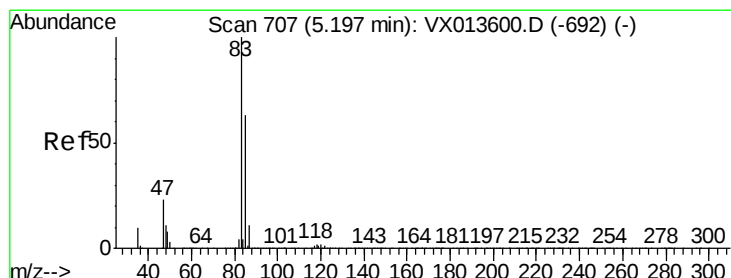
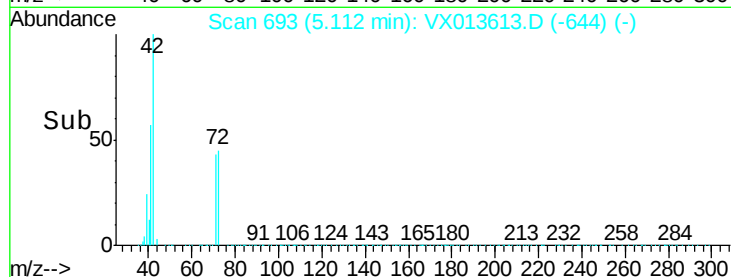
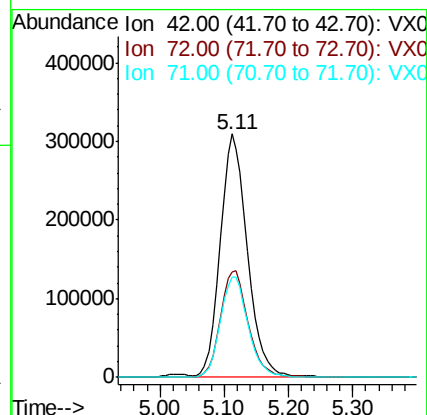
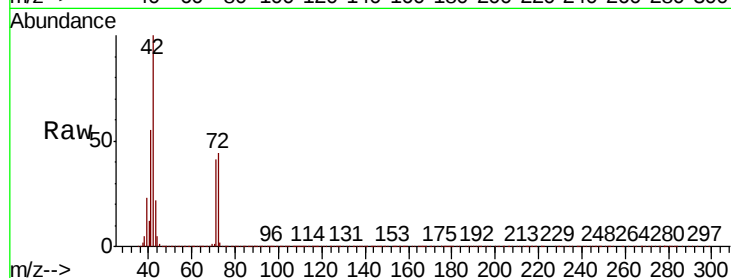
Tot Ion: 42 Resp: 913638

Ion Ratio Lower Upper

42 100

72 45.0 36.3 54.5

71 42.4 33.2 49.8



#30

Chloroform

Concen: 47.902 ug/l

RT: 5.20 min Scan# 707

Delta R.T. 0.00 min

Lab File: VX013613.D

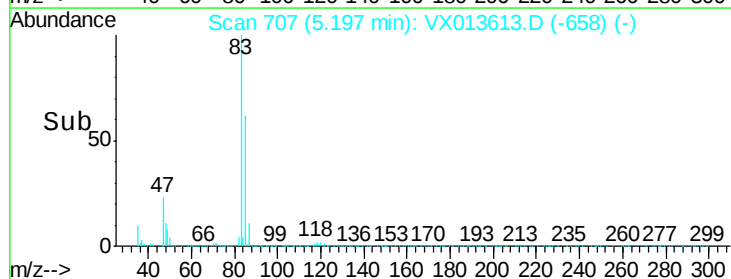
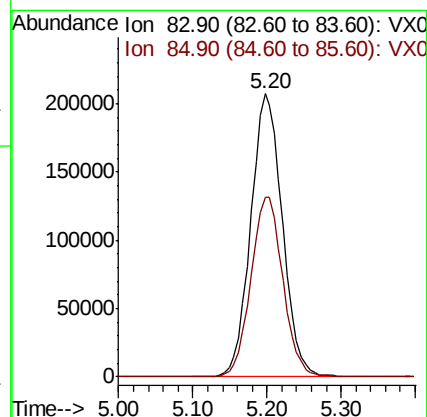
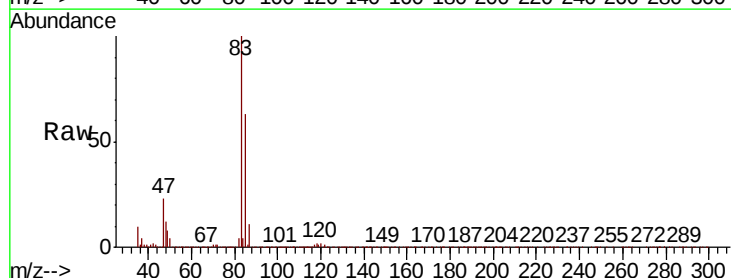
Acq: 26 Nov 2019 20:53

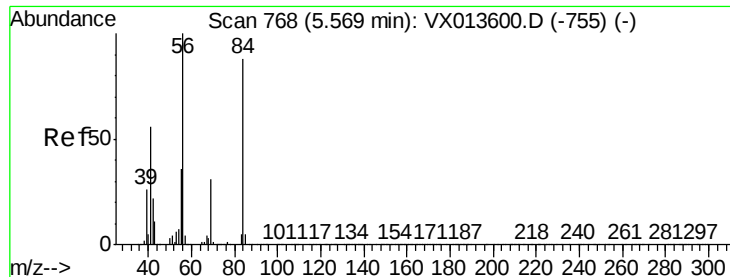
Tgt Ion: 83 Resp: 614354

Ion Ratio Lower Upper

83 100

85 63.3 50.2 75.4

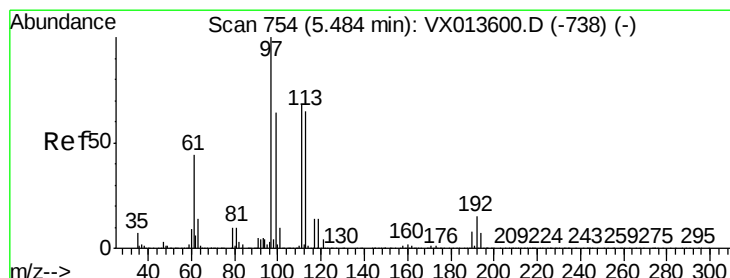
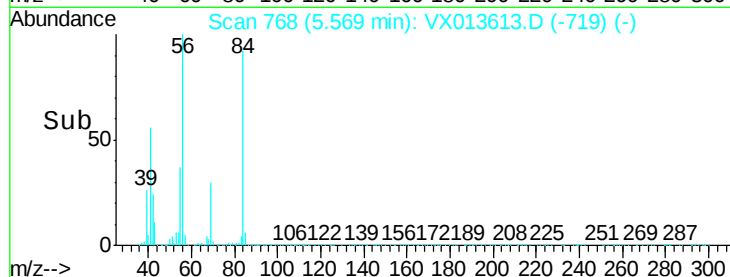
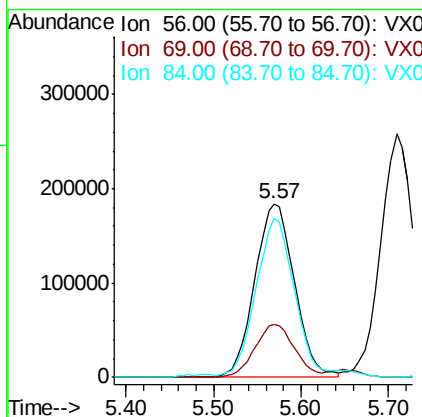
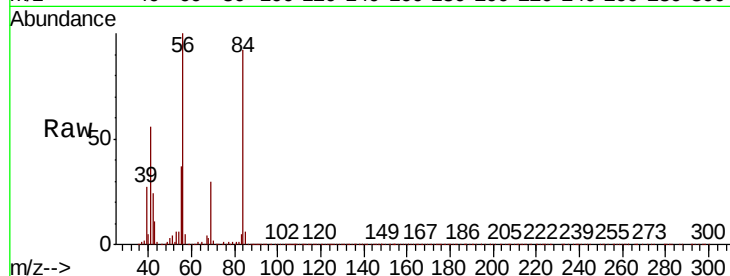




#31
Cyclohexane
Concen: 48.455 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX013613.D
Acq: 26 Nov 2019 20:53

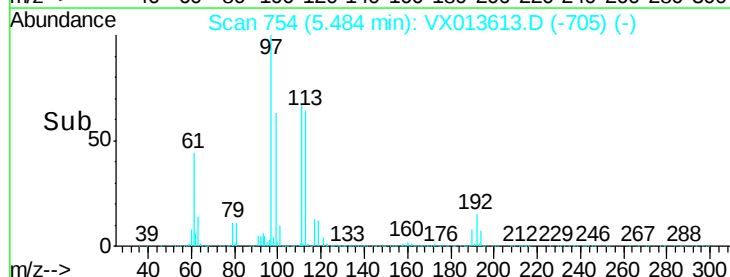
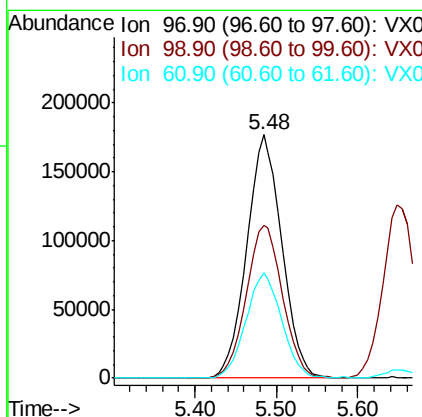
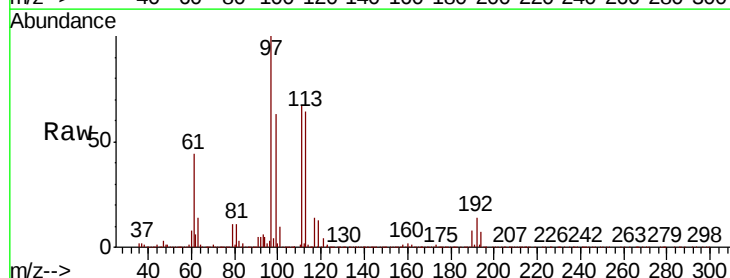
Instrument :
MSVOA_X
ClientSampleId :

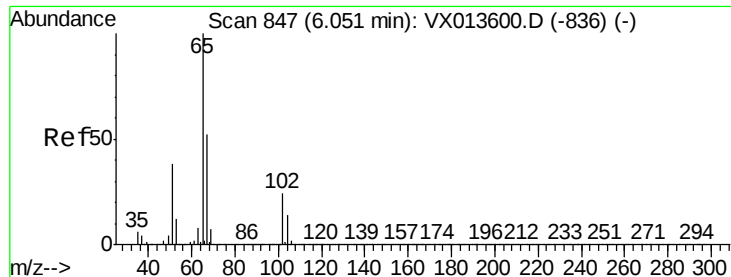
Tot Ion: 56 Resp: 577974
Ion Ratio Lower Upper
56 100
69 30.3 24.6 36.8
84 90.6 70.0 105.0



#32
1,1,1-Trichloroethane
Concen: 49.490 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX013613.D
Acq: 26 Nov 2019 20:53

Tgt Ion: 97 Resp: 530417
Ion Ratio Lower Upper
97 100
99 64.8 51.6 77.4
61 43.5 36.1 54.1

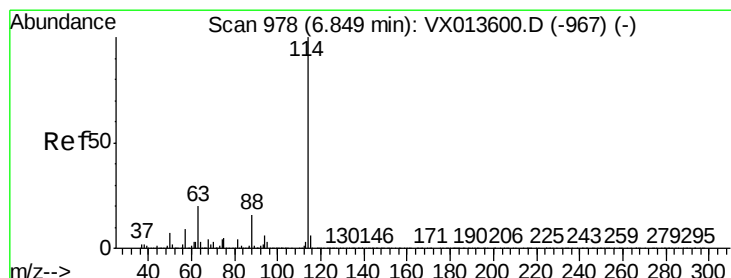
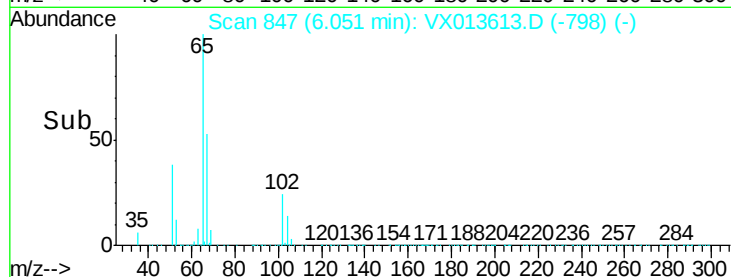
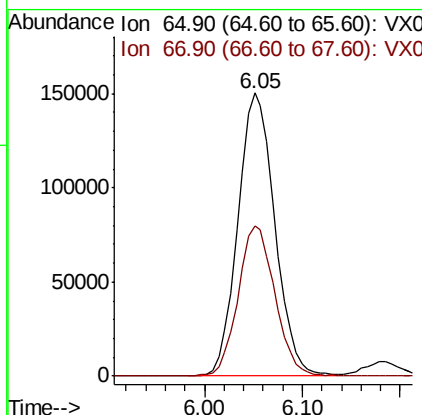
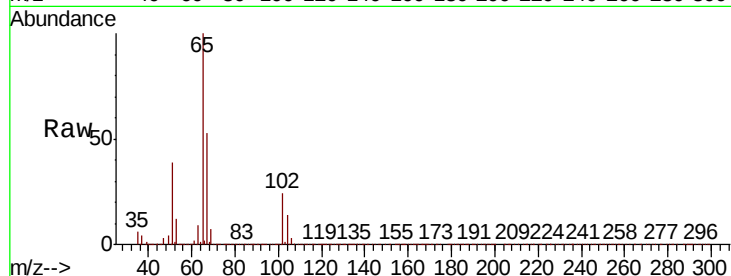




#33
 1,2-Dichloroethane-d4
 Concen: 48.543 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX013613.D
 Acq: 26 Nov 2019 20:53

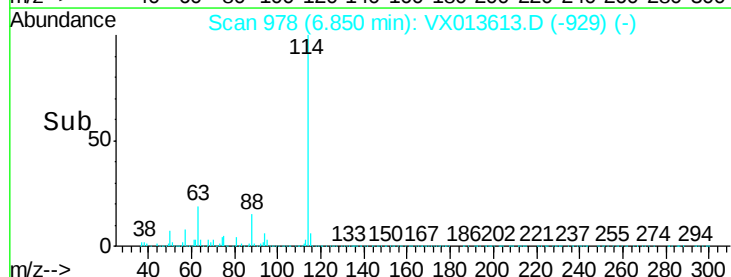
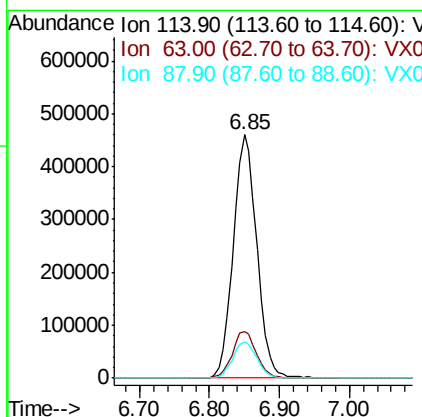
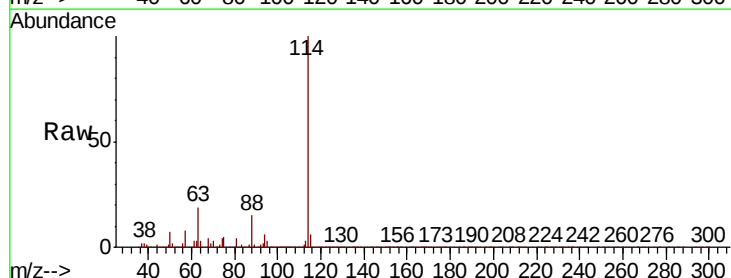
Instrument :
 MSVOA_X
 ClientSampleId :

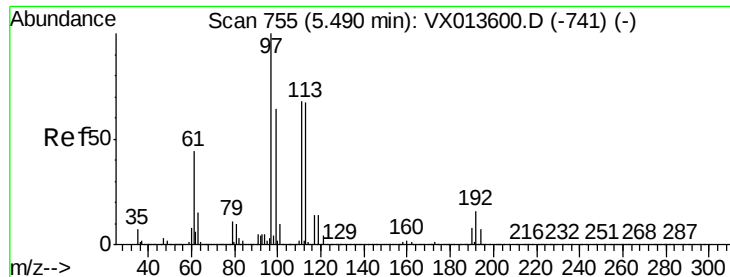
Tot Ion: 65 Resp: 391976
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013613.D
 Acq: 26 Nov 2019 20:53

Tgt Ion: 114 Resp: 1075476
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.6
 88 15.1 0.0 31.4

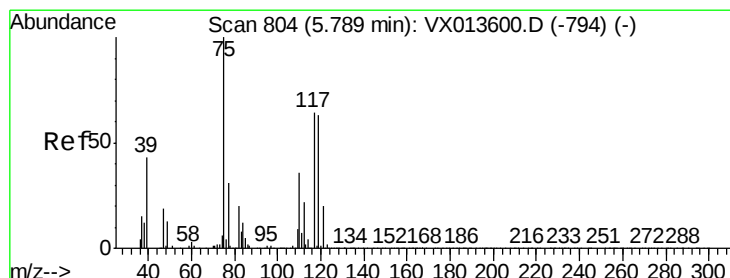
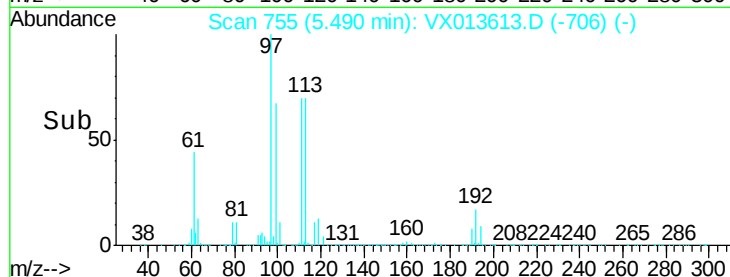
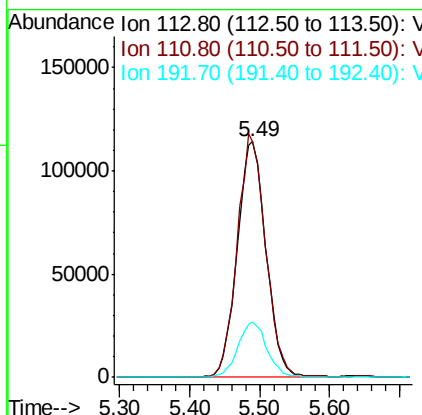
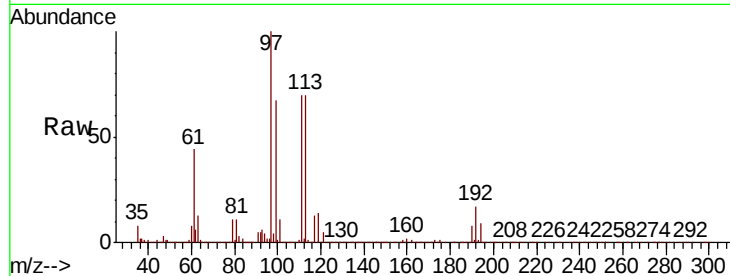




#35
Dibromofluoromethane
Concen: 49.392 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX013613.D
Acq: 26 Nov 2019 20:53

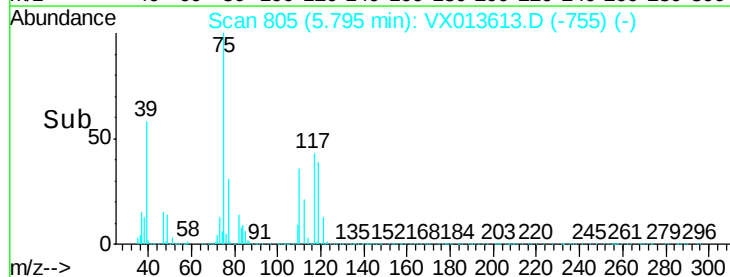
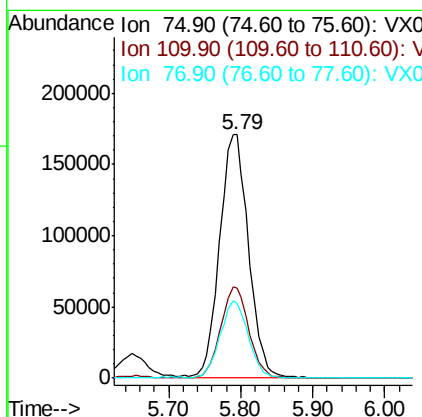
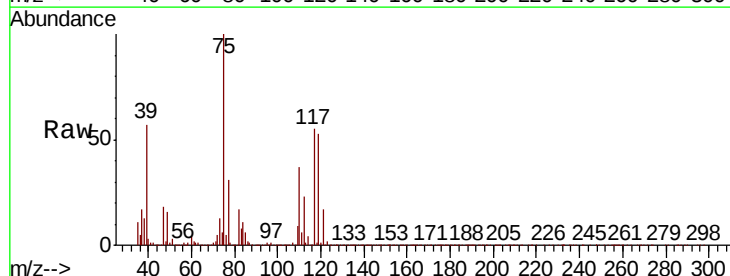
Instrument :
MSVOA_X
ClientSampled :

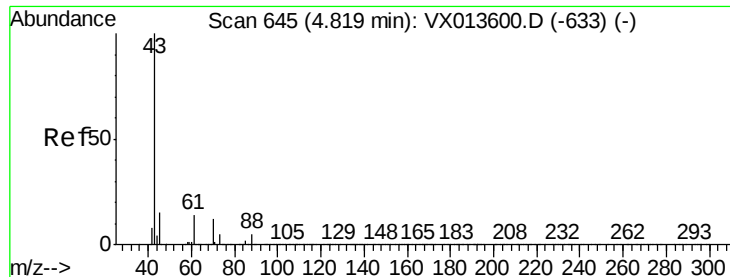
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.6	83.6	125.4
192	23.6	19.2	28.8



#36
1,1-Dichloropropene
Concen: 48.587 ug/l
RT: 5.79 min Scan# 805
Delta R.T. 0.01 min
Lab File: VX013613.D
Acq: 26 Nov 2019 20:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.1	54.1
77	30.8	24.5	36.7

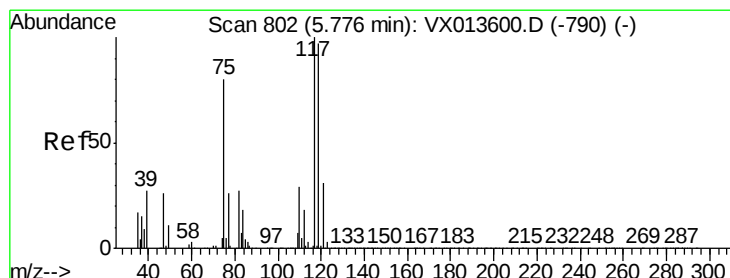
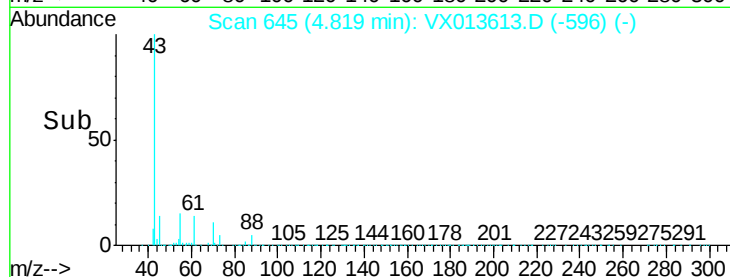
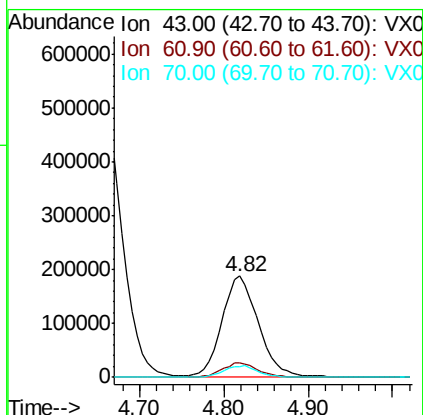
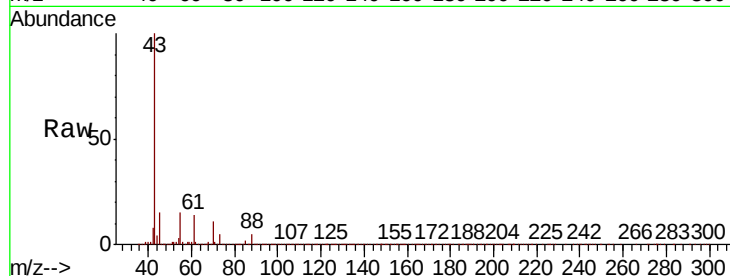




#37
Ethyl Acetate
Concen: 49.823 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX013613.D
Acq: 26 Nov 2019 20:53

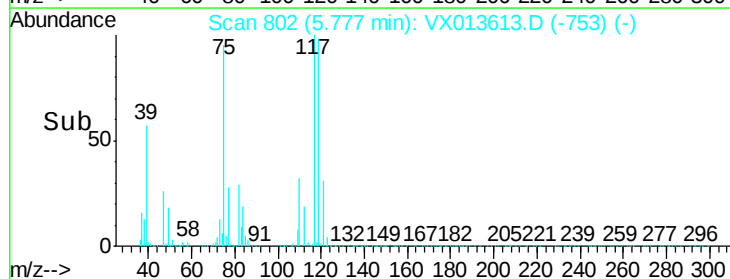
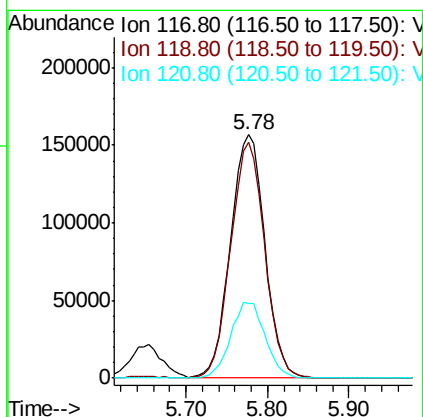
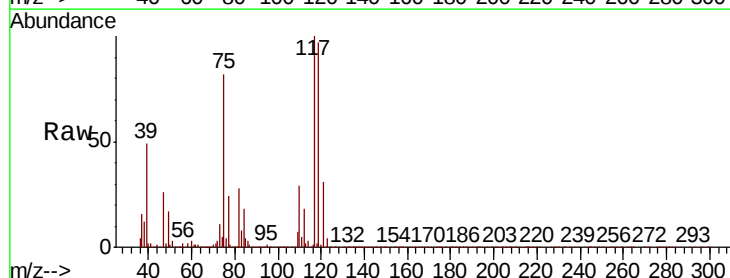
Instrument :
MSVOA_X
ClientSampled :

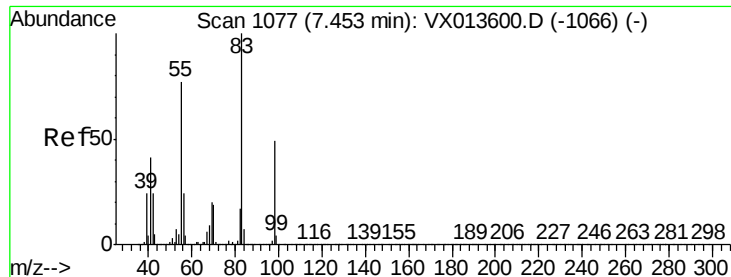
Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.0	16.4
70	11.4	8.6	12.8



#38
Carbon Tetrachloride
Concen: 50.591 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX013613.D
Acq: 26 Nov 2019 20:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.5	116.3
121	30.8	25.0	37.6

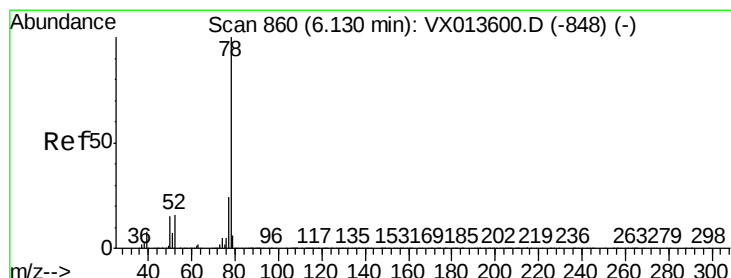
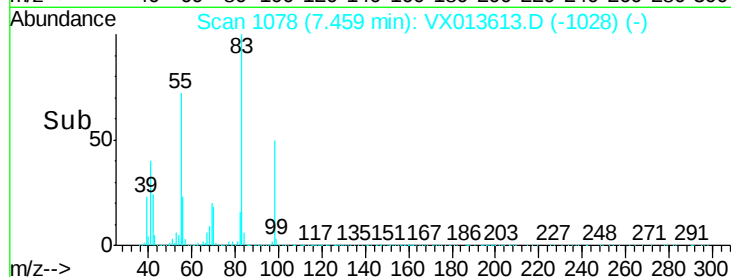
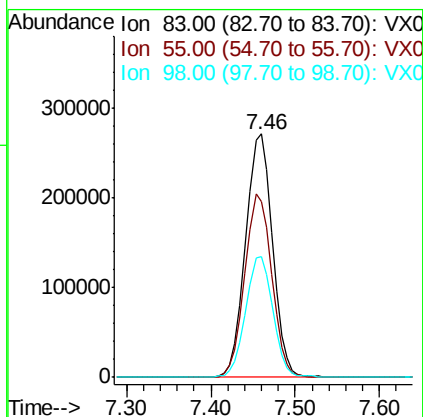
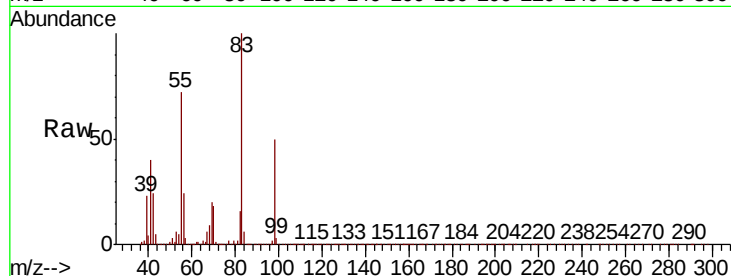




#39
Methvlcvclohexane
Concen: 48.641 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX013613.D
Acq: 26 Nov 2019 20:53

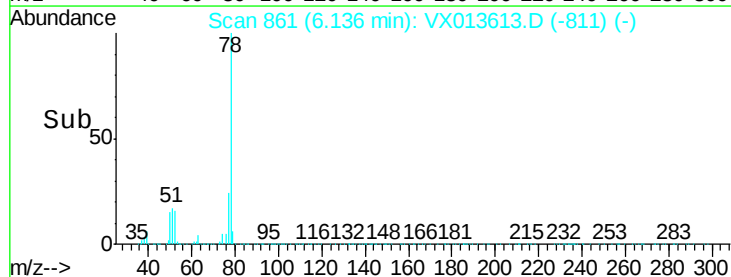
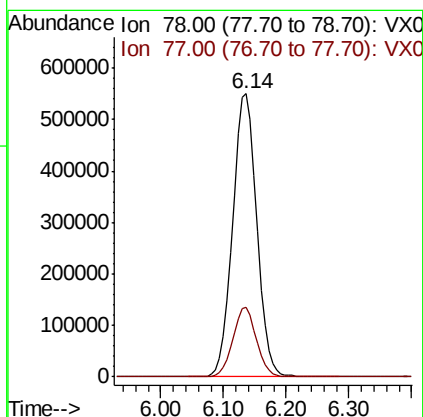
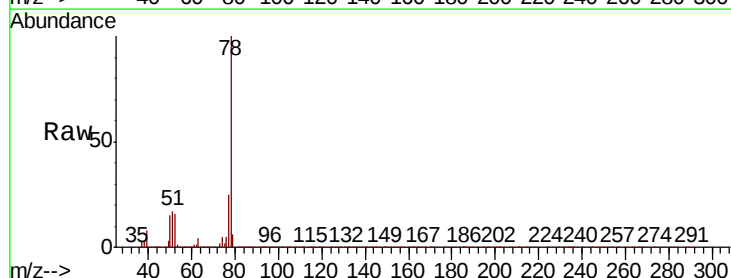
Instrument :
MSVOA_X
ClientSampleId :

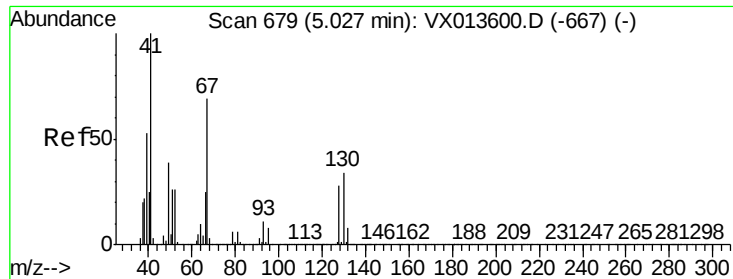
Tot Ion	Ratio	Lower	Upper
83	100		
55	72.2	61.9	92.9
98	49.8	39.4	59.0



#40
Benzene
Concen: 49.210 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX013613.D
Acq: 26 Nov 2019 20:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.0	28.4

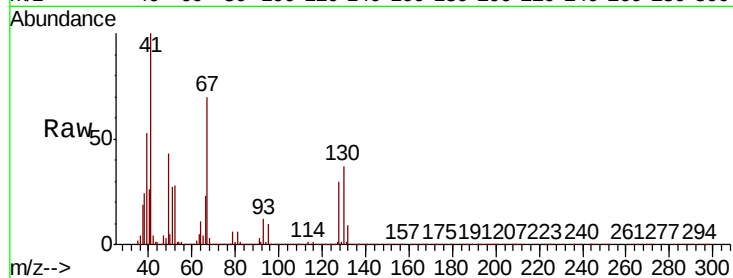




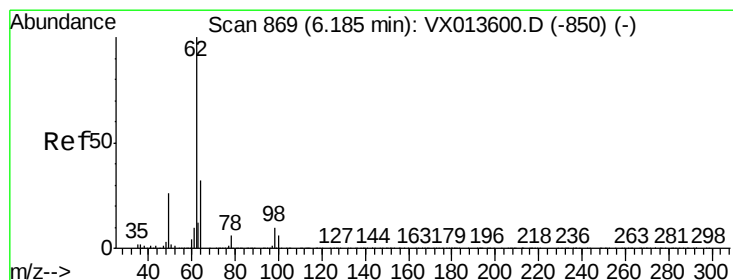
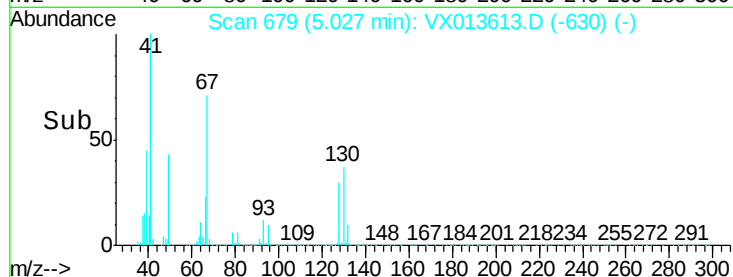
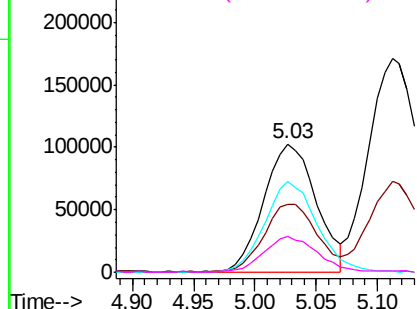
#41
Methacrylonitrile
Concen: 50.919 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX013613.D
Acq: 26 Nov 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	41	Resp:	305841
Ion	Ratio	Lower	Upper
41	100		
39	53.2	42.9	64.3
67	70.5	57.4	86.0
52	27.7	22.4	33.6

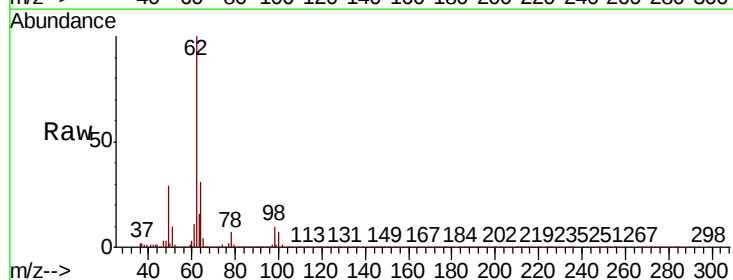


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

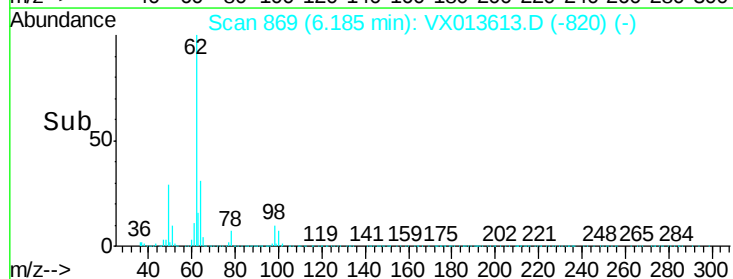
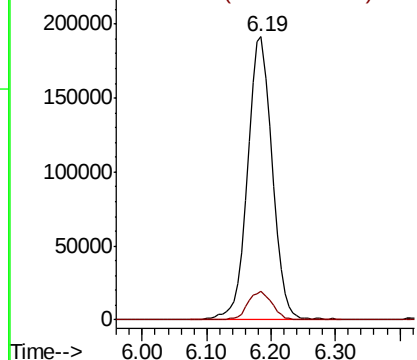


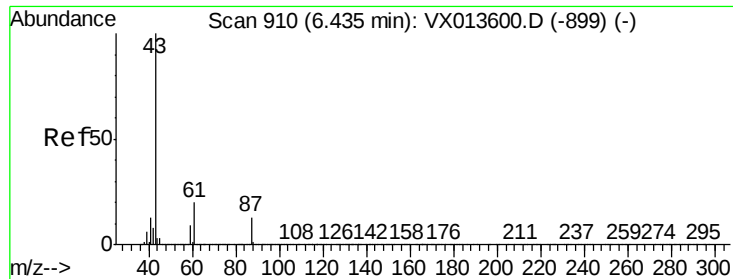
#42
1,2-Dichloroethane
Concen: 49.138 ug/l
RT: 6.19 min Scan# 869
Delta R.T. 0.00 min
Lab File: VX013613.D
Acq: 26 Nov 2019 20:53

Tgt Ion:	62	Resp:	498277
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.8



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





#43

Isopropyl Acetate

Concen: 50.054 ug/l

RT: 6.44 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX013613.D

Acq: 26 Nov 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

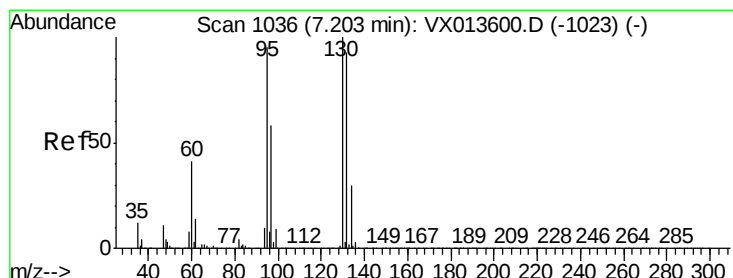
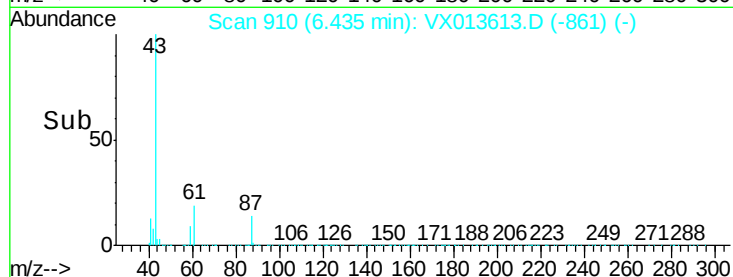
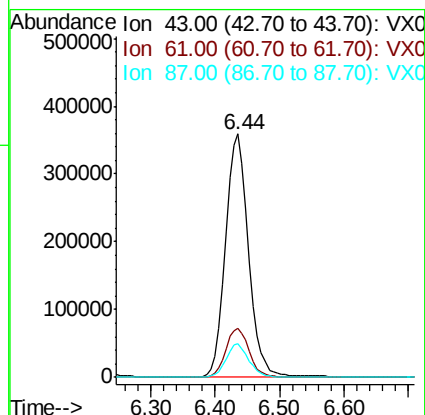
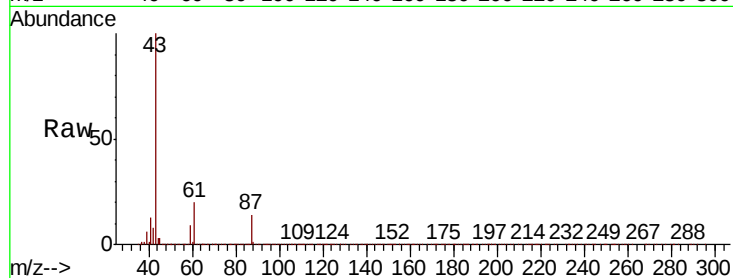
Tot Ion: 43 Resp: 902504

Ion Ratio Lower Upper

43 100

61 20.4 16.3 24.5

87 13.6 10.8 16.2



#44

Trichloroethene

Concen: 48.078 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VX013613.D

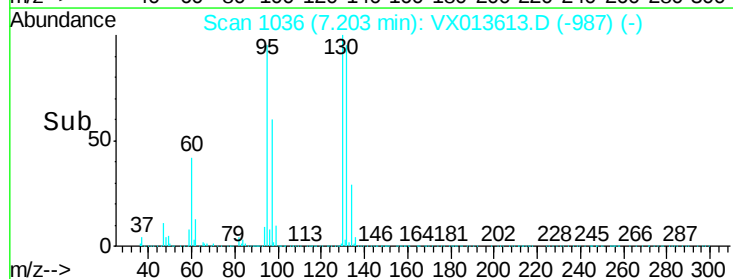
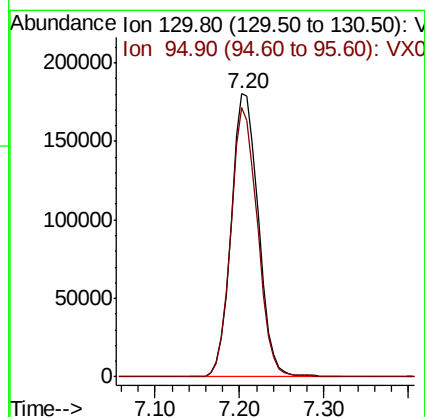
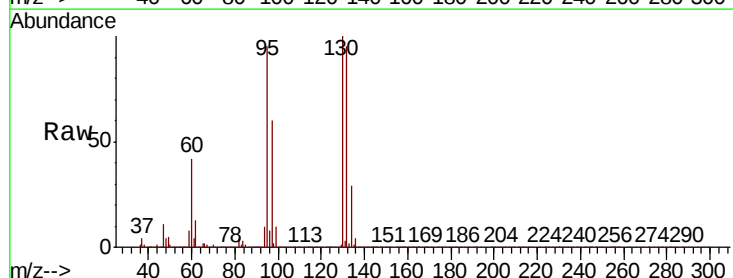
Acq: 26 Nov 2019 20:53

Tgt Ion: 130 Resp: 392332

Ion Ratio Lower Upper

130 100

95 95.0 0.0 190.8





#45

1,2-Dichloropropane

Concen: 49.856 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX013613.D

Acq: 26 Nov 2019 20:53

Instrument :

MSVOA_X

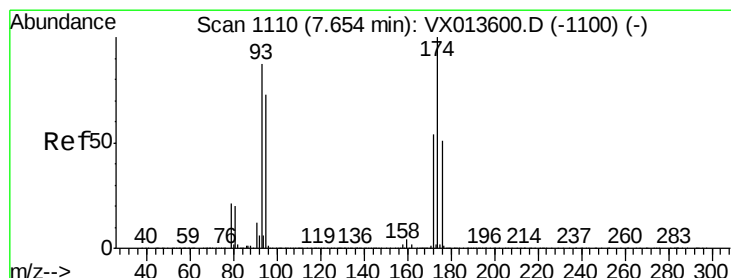
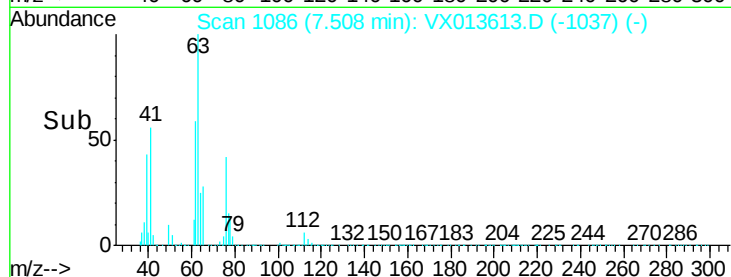
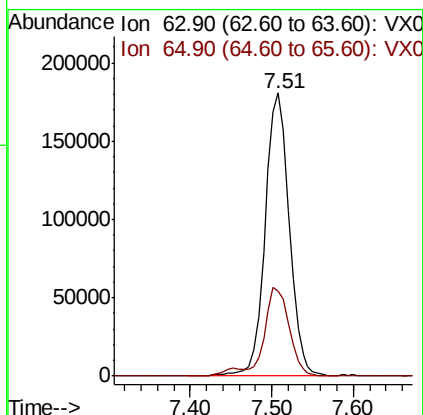
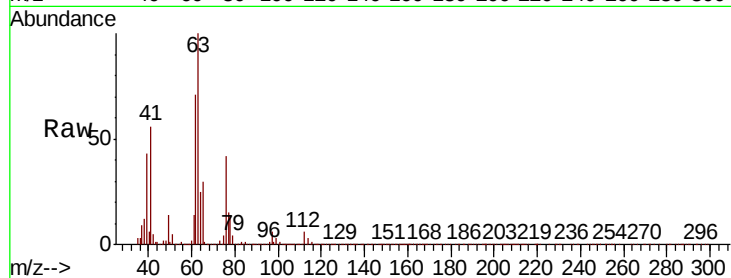
ClientSampled :

Tot Ion: 63 Resp: 370894

Ion Ratio Lower Upper

63 100

65 29.9 25.5 38.3



#46

Dibromomethane

Concen: 48.349 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX013613.D

Acq: 26 Nov 2019 20:53

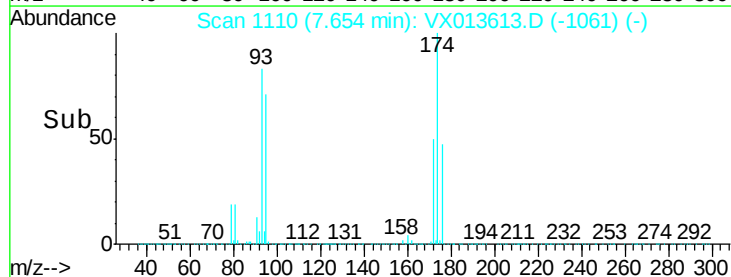
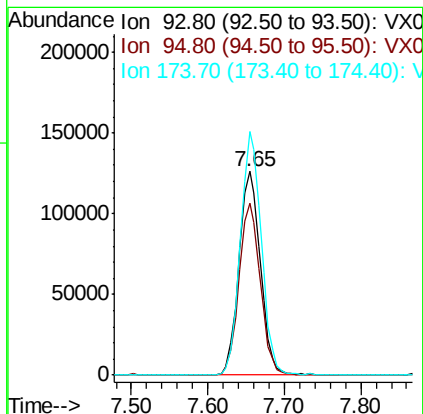
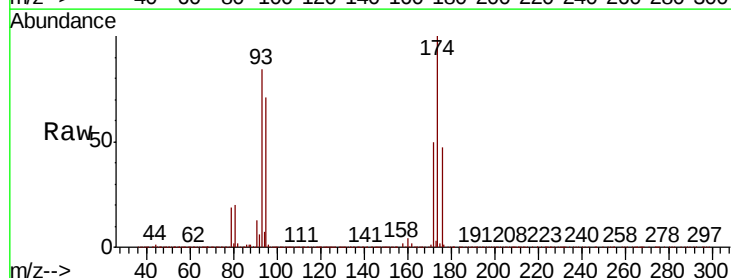
Tgt Ion: 93 Resp: 244287

Ion Ratio Lower Upper

93 100

95 83.8 66.2 99.2

174 116.8 93.4 140.0





#47

Bromodichloromethane

Concen: 50.571 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX013613.D

Acq: 26 Nov 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :

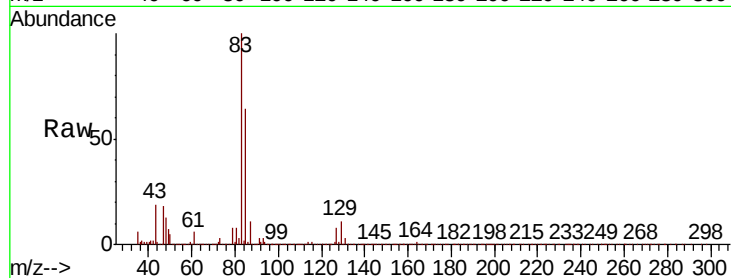
Tot Ion: 83 Resp: 483038

Ion Ratio Lower Upper

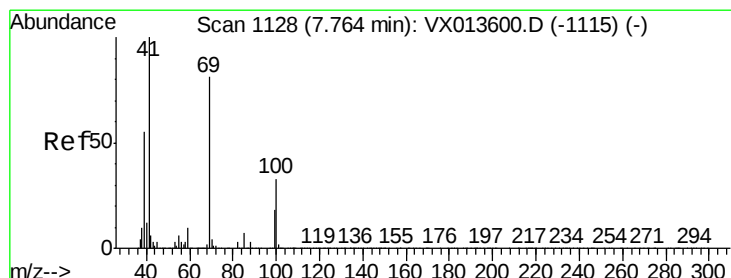
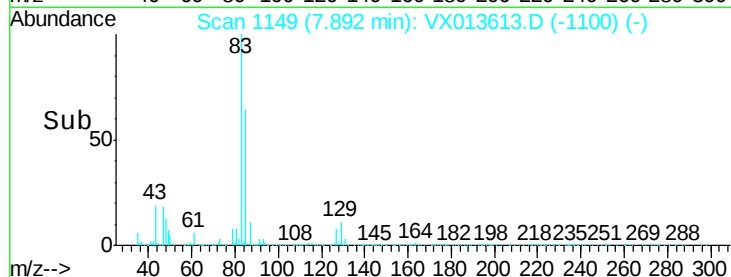
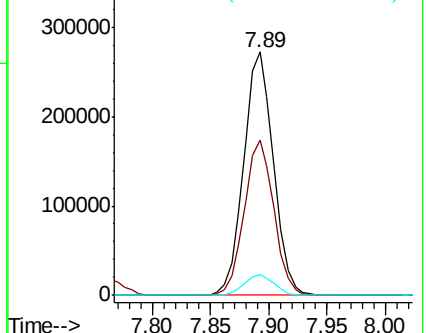
83 100

85 64.0 52.1 78.1

127 8.4 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: 51.026 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX013613.D

Acq: 26 Nov 2019 20:53

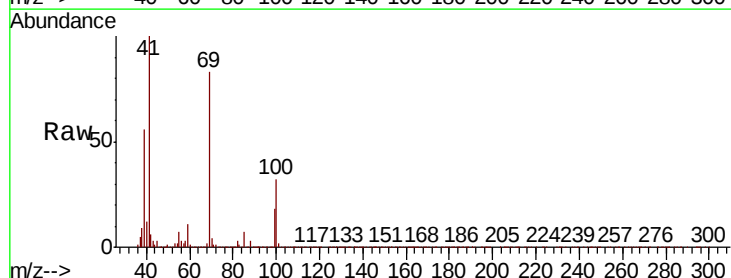
Tgt Ion: 41 Resp: 447026

Ion Ratio Lower Upper

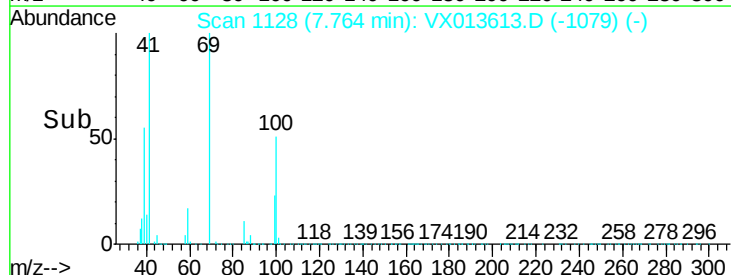
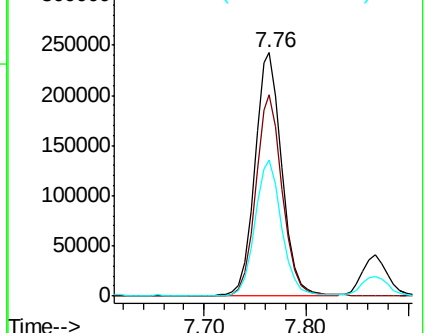
41 100

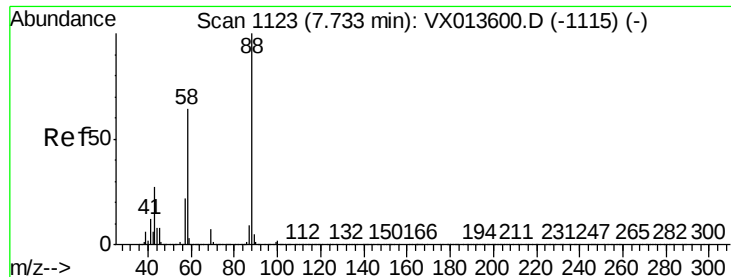
69 82.0 64.7 97.1

39 55.1 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

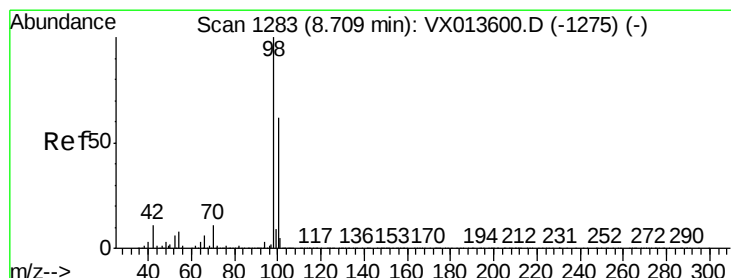
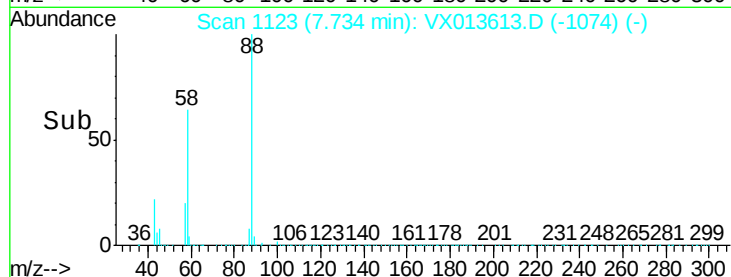
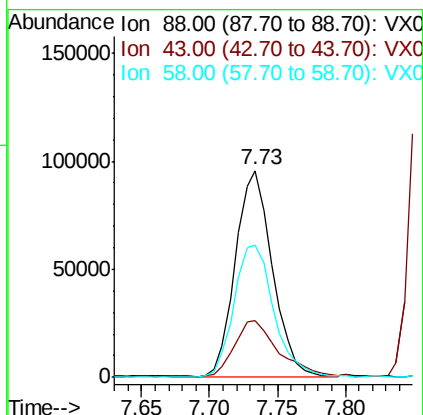
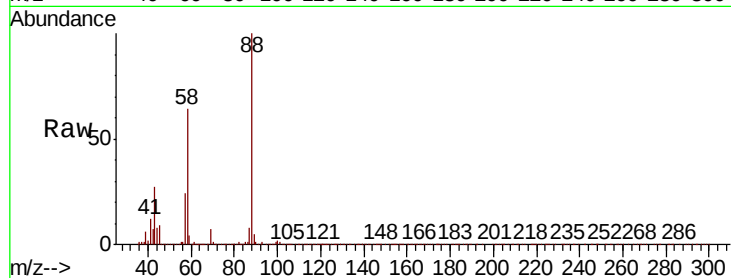




#49
1,4-Dioxane
Concen: 920.135 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX013613.D
Acq: 26 Nov 2019 20:53

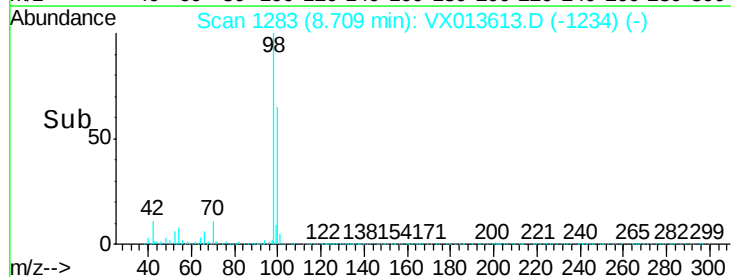
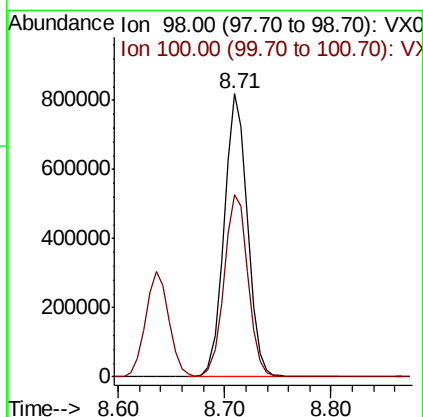
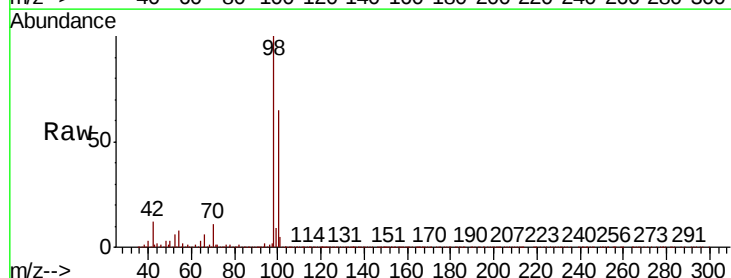
Instrument :
MSVOA_X
ClientSampleId :

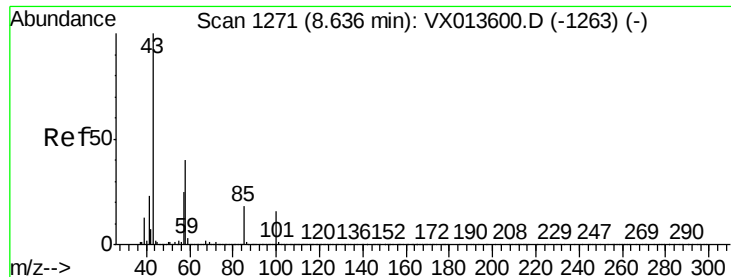
Tot Ion	Ratio	Lower	Upper
88	100		
43	32.0	25.8	38.6
58	70.1	54.6	82.0



#50
Toluene-d8
Concen: 48.249 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013613.D
Acq: 26 Nov 2019 20:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.1	79.7

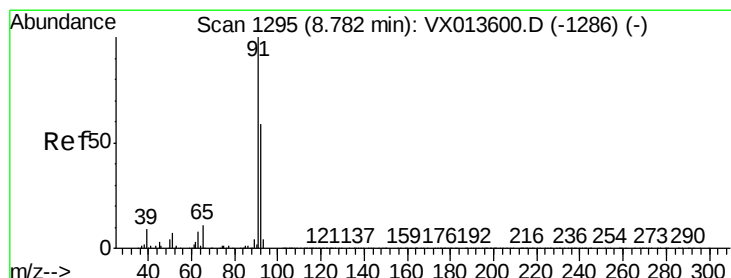
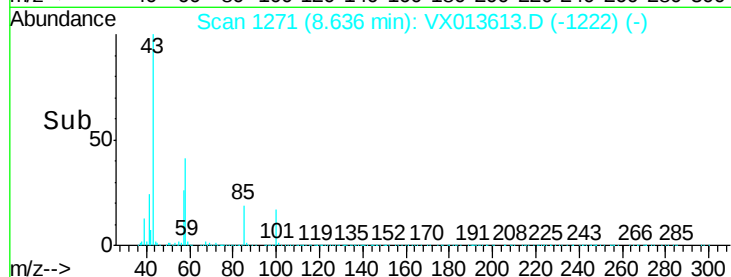
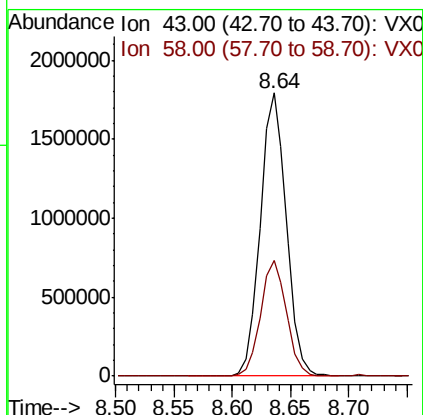
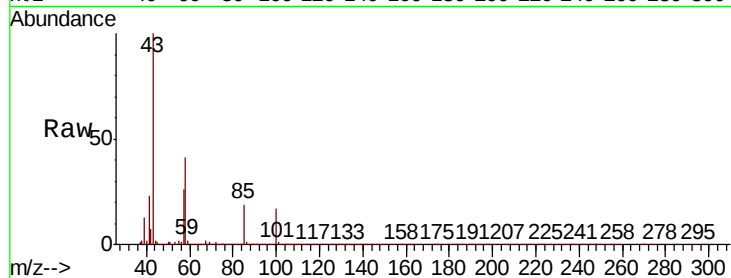




#51
4-Methyl-2-Pentanone
Concen: 245.987 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX013613.D
Acq: 26 Nov 2019 20:53

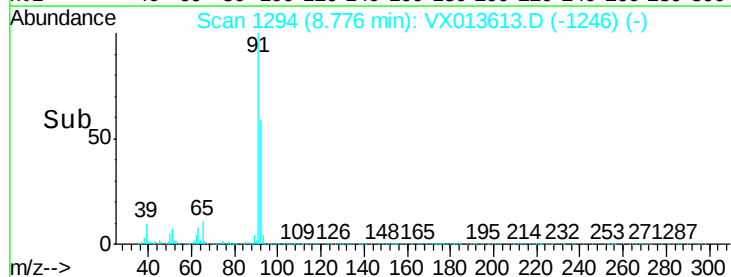
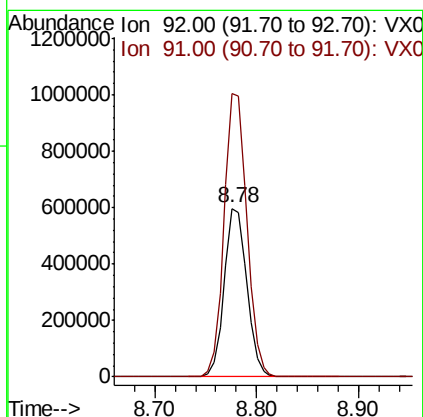
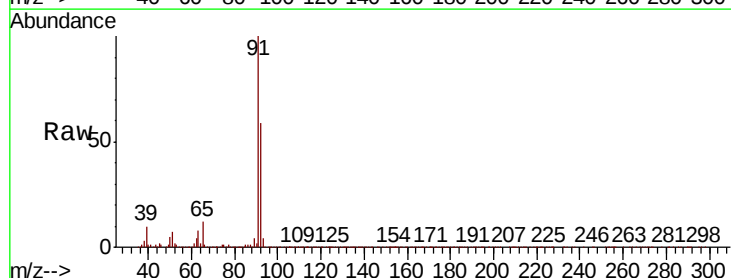
Instrument :
MSVOA_X
ClientSampleId :

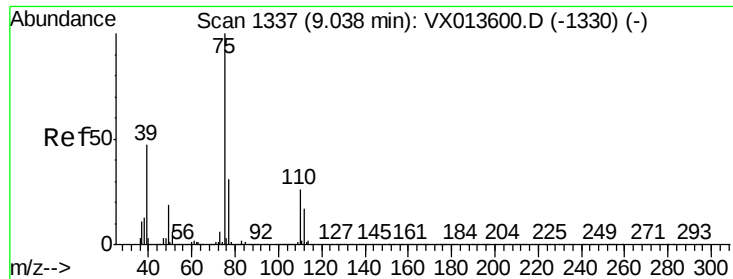
Tot Ion: 43 Resp: 2789926
Ion Ratio Lower Upper
43 100
58 40.6 32.1 48.1



#52
Toluene
Concen: 49.630 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.01 min
Lab File: VX013613.D
Acq: 26 Nov 2019 20:53

Tgt Ion: 92 Resp: 916761
Ion Ratio Lower Upper
92 100
91 169.9 136.2 204.2

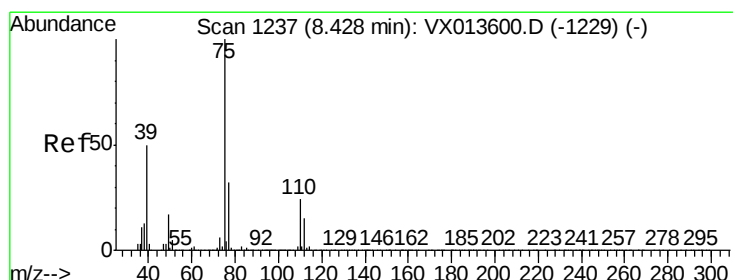
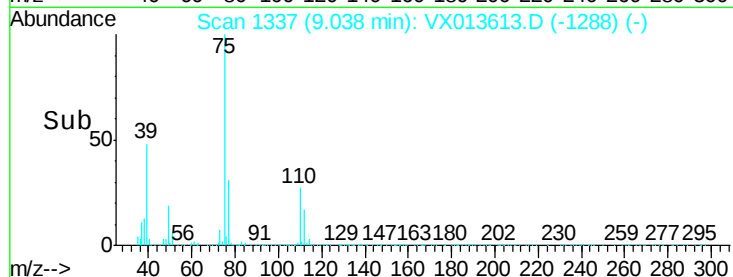
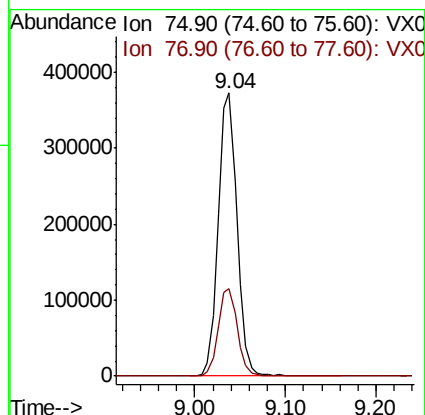
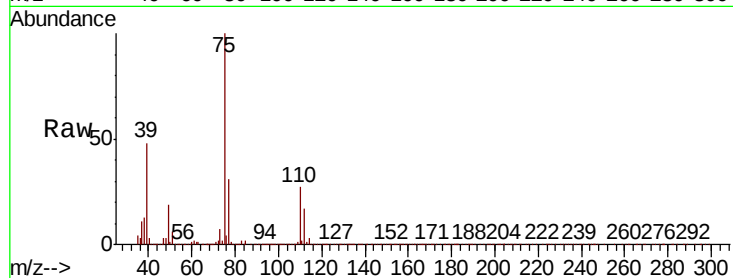




#53
t-1,3-Dichloropropene
Concen: 49.877 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX013613.D
Acq: 26 Nov 2019 20:53

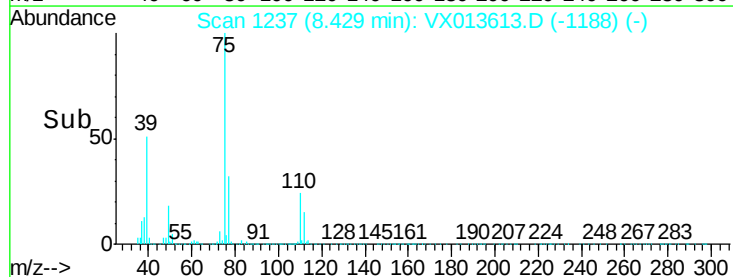
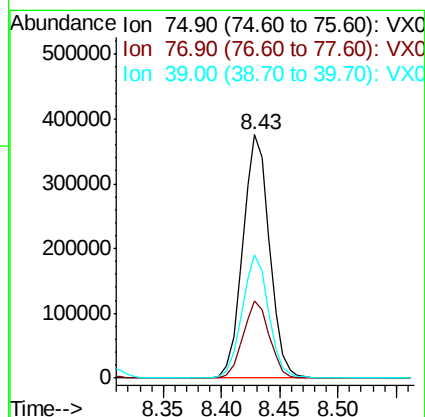
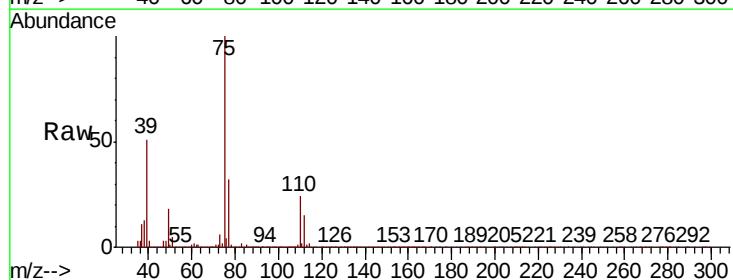
Instrument :
MSVOA_X
ClientSampleId :

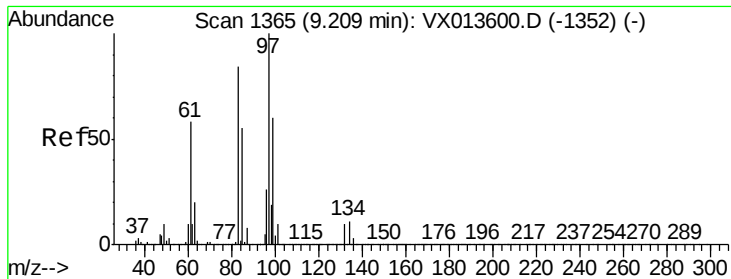
Tot Ion: 75 Resp: 542276
Ion Ratio Lower Upper
75 100
77 30.8 24.4 36.6



#54
cis-1,3-Dichloropropene
Concen: 50.675 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX013613.D
Acq: 26 Nov 2019 20:53

Tgt Ion: 75 Resp: 601918
Ion Ratio Lower Upper
75 100
77 31.6 25.8 38.6
39 50.7 39.9 59.9

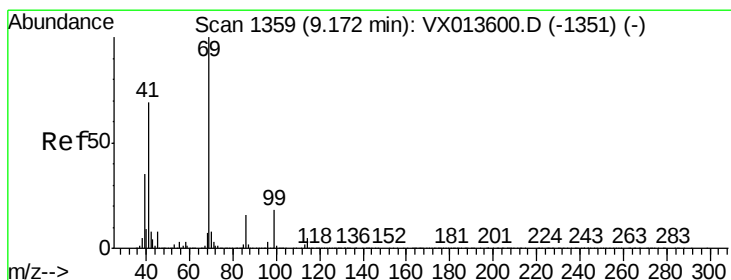
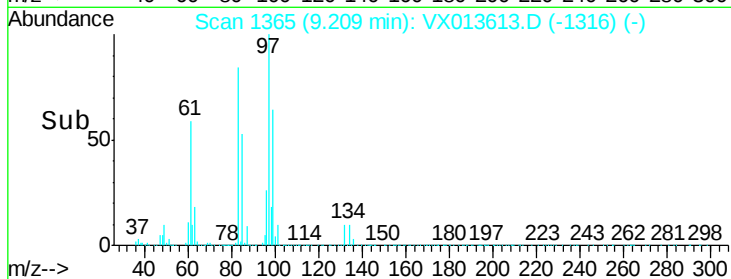
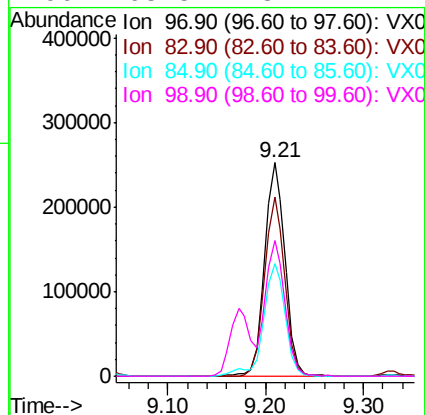
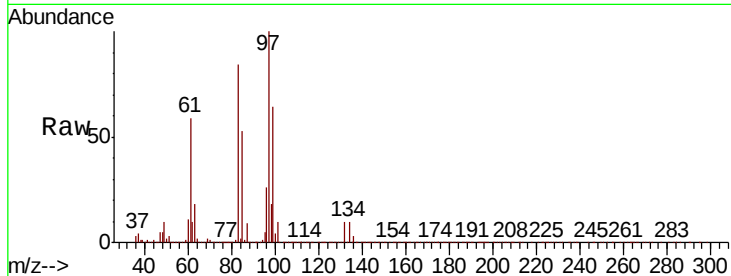




#55
 1,1,2-Trichloroethane
 Concen: 49.458 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX013613.D
 Acq: 26 Nov 2019 20:53

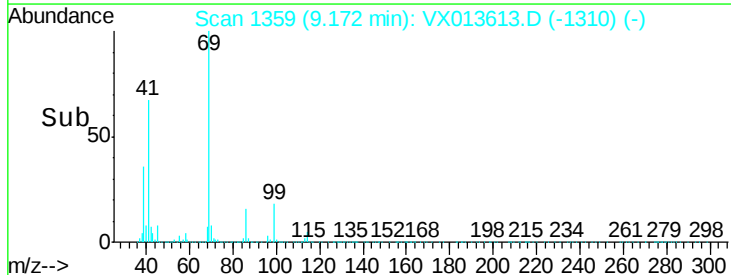
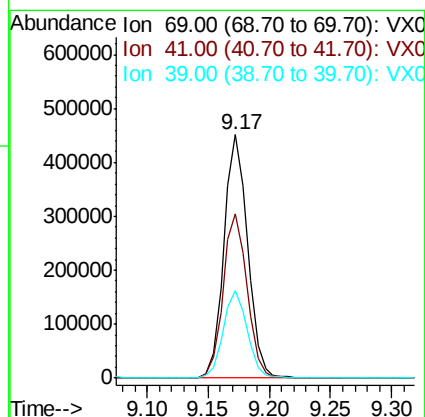
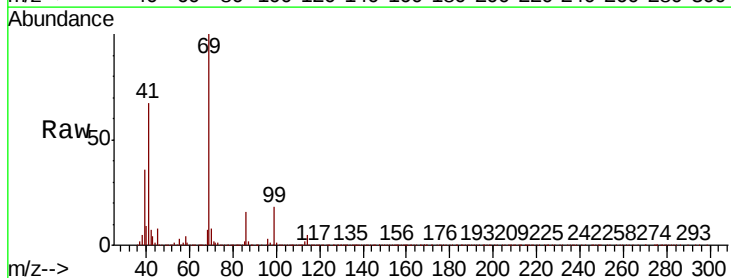
Instrument :
 MSVOA_X
 ClientSampleId :

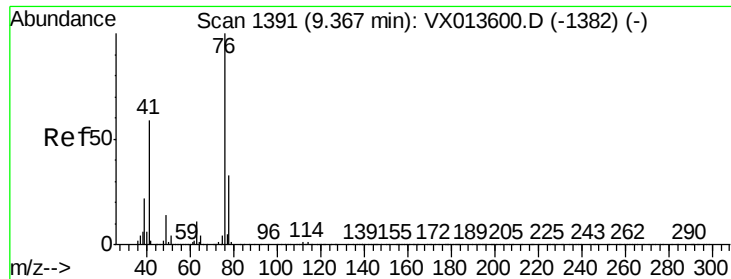
Tot Ion:	97	Resp:	368151
Ion	Ratio	Lower	Upper
97	100		
83	83.9	67.3	100.9
85	52.9	43.6	65.4
99	63.5	48.2	72.4



#56
 Ethyl methacrylate
 Concen: 50.802 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX013613.D
 Acq: 26 Nov 2019 20:53

Tgt Ion:	69	Resp:	607985
Ion	Ratio	Lower	Upper
69	100		
41	68.1	55.0	82.4
39	36.2	28.7	43.1





#57

1,3-Dichloropropane

Concen: 48.080 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX013613.D

Acq: 26 Nov 2019 20:53

Instrument :

MSVOA_X

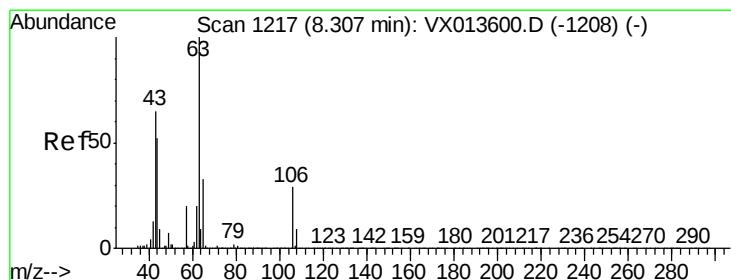
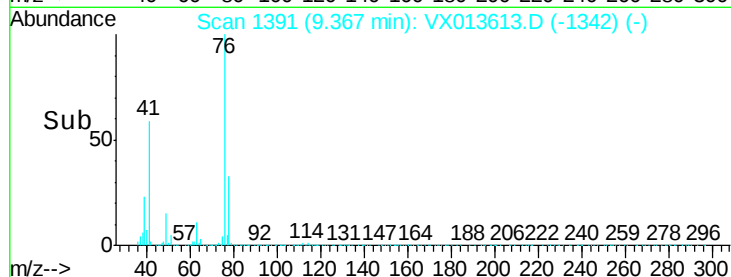
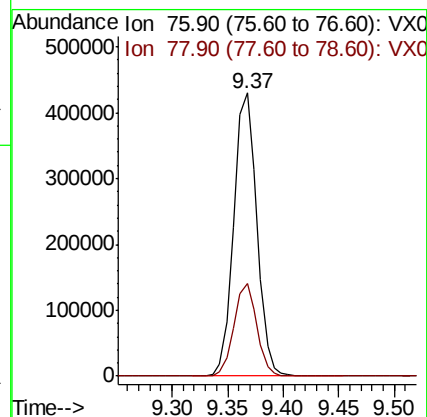
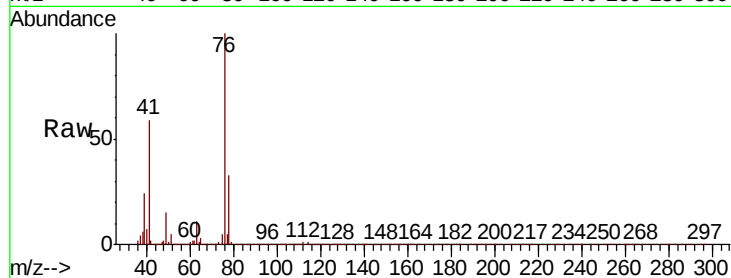
ClientSampleId :

Tot Ion: 76 Resp: 616896

Ion Ratio Lower Upper

76 100

78 32.3 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 245.777 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX013613.D

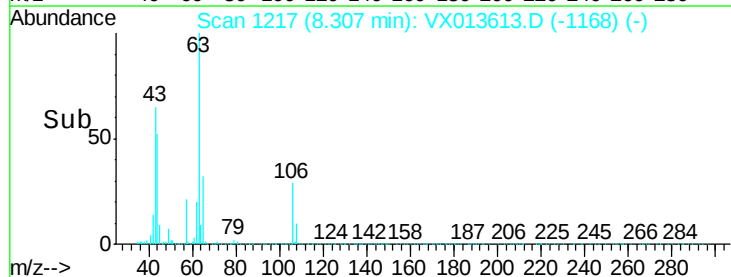
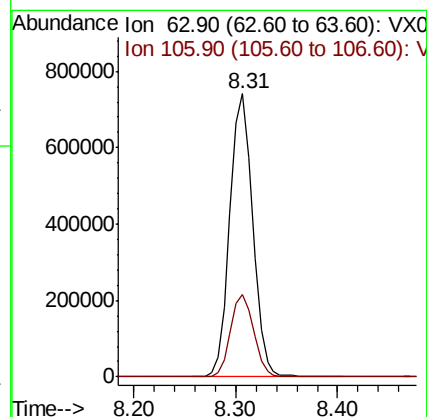
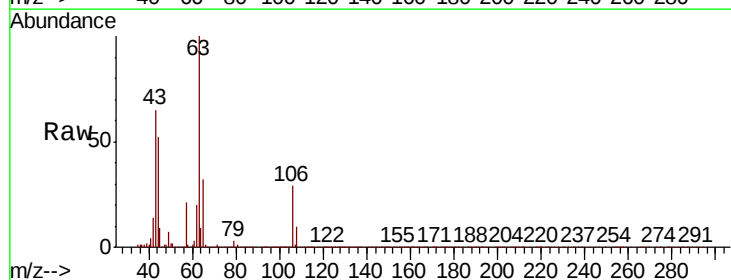
Acq: 26 Nov 2019 20:53

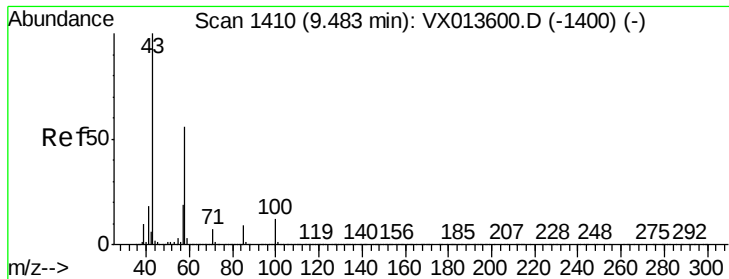
Tgt Ion: 63 Resp: 1153244

Ion Ratio Lower Upper

63 100

106 29.5 23.4 35.0

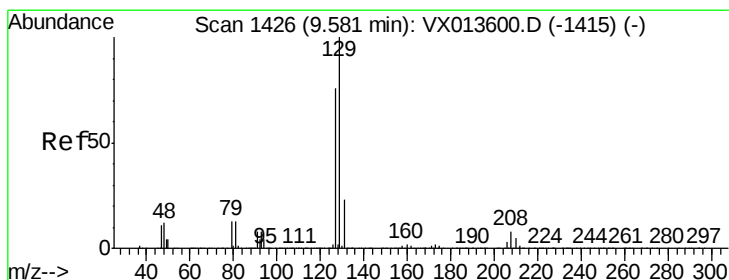
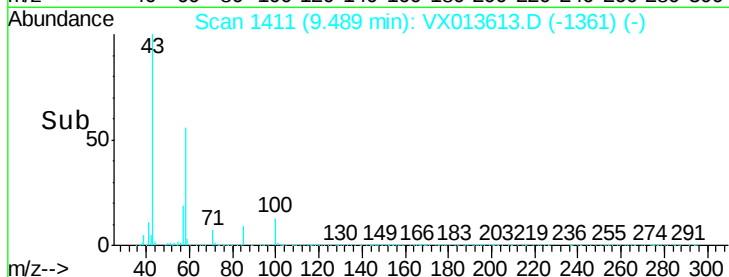
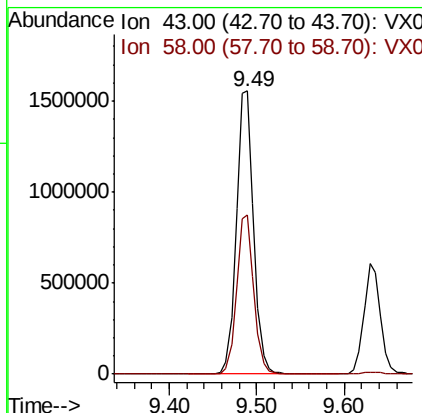
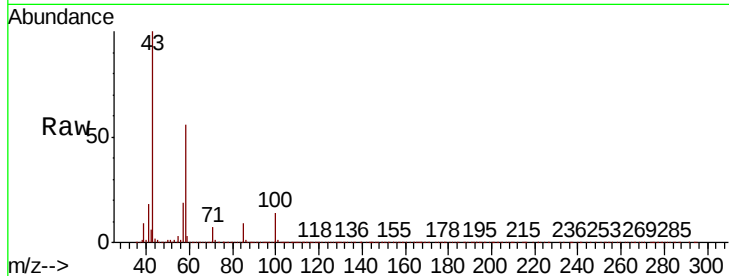




#59
2-Hexanone
Concen: 242.961 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX013613.D
Acq: 26 Nov 2019 20:53

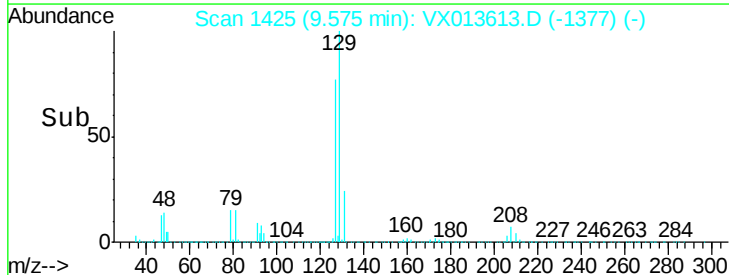
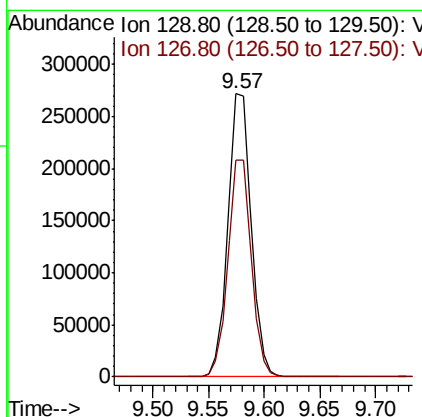
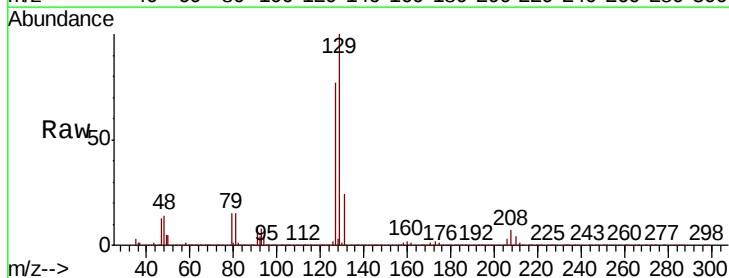
Instrument :
MSVOA_X
ClientSampleId :

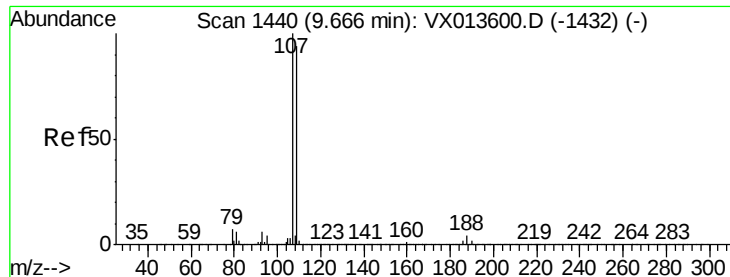
Tot Ion: 43 Resp: 2149167
Ion Ratio Lower Upper
43 100
58 56.0 28.1 84.4



#60
Dibromochloromethane
Concen: 50.914 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX013613.D
Acq: 26 Nov 2019 20:53

Tgt Ion:129 Resp: 393319
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.5

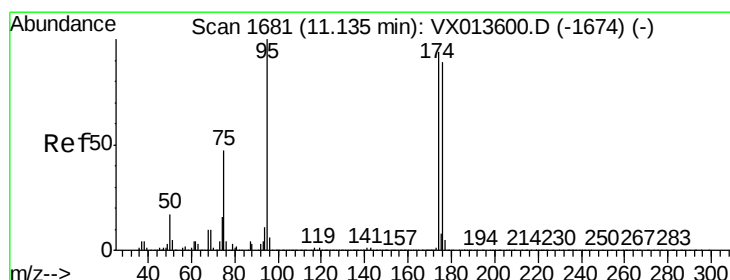
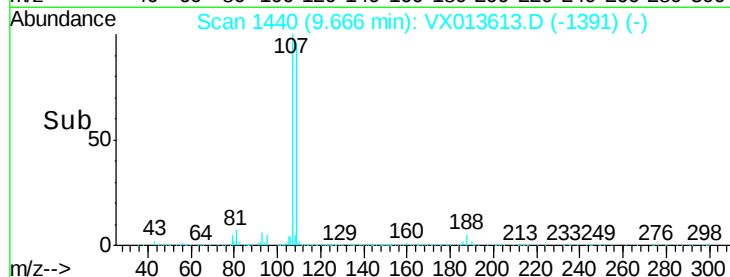
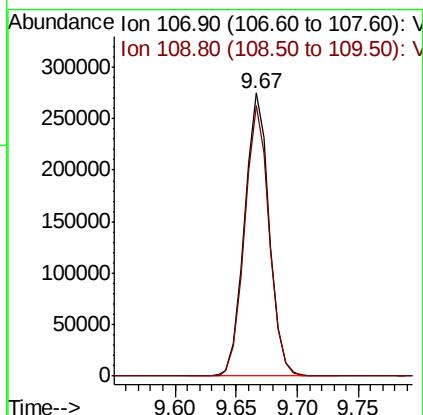
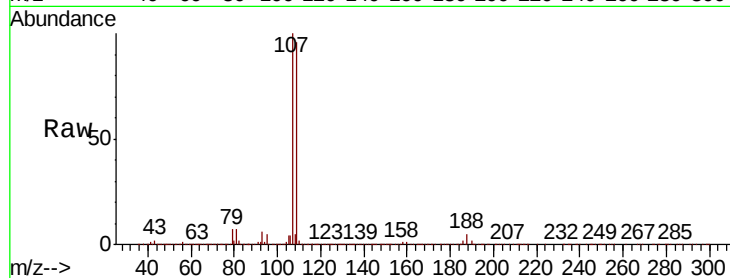




#61
 1,2-Dibromoethane
 Concen: 48.200 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX013613.D
 Acq: 26 Nov 2019 20:53

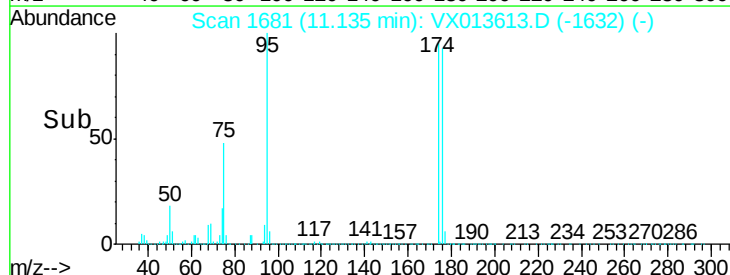
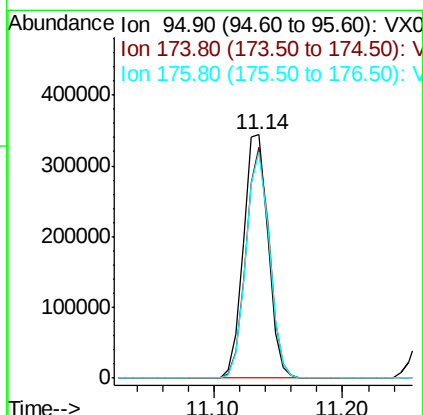
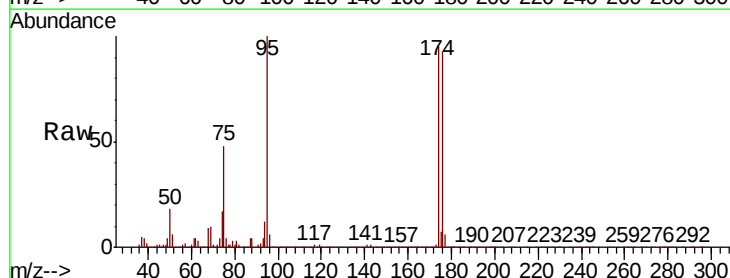
Instrument :
 MSVOA_X
 ClientSampleId :

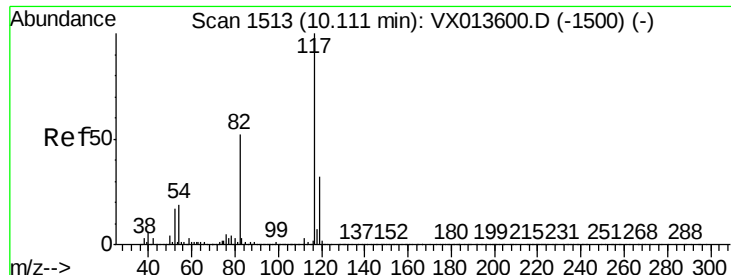
Tot Ion: 107 Resp: 383205
 Ion Ratio Lower Upper
 107 100
 109 95.8 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 48.495 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX013613.D
 Acq: 26 Nov 2019 20:53

Tgt Ion: 95 Resp: 453000
 Ion Ratio Lower Upper
 95 100
 174 89.7 0.0 180.0
 176 88.4 0.0 173.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX013613.D

Acq: 26 Nov 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

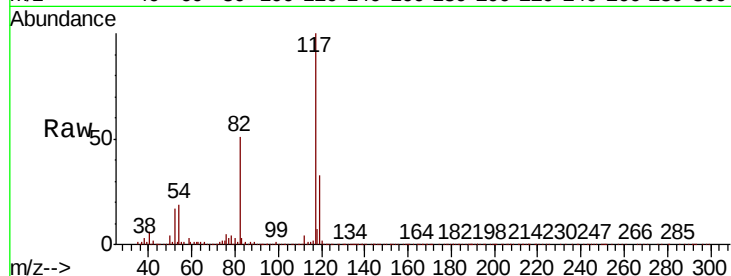
Tot Ion:117 Resp: 960985

Ion Ratio Lower Upper

117 100

82 51.1 41.8 62.8

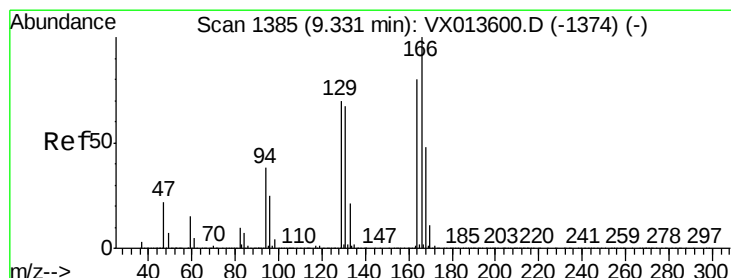
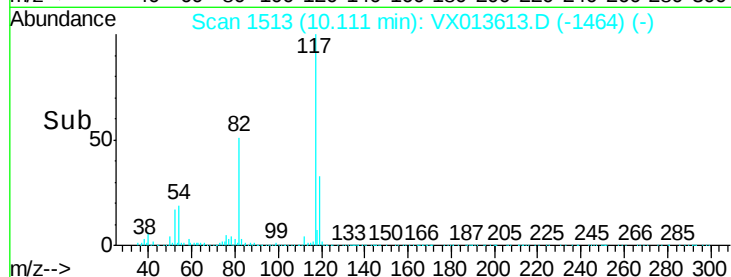
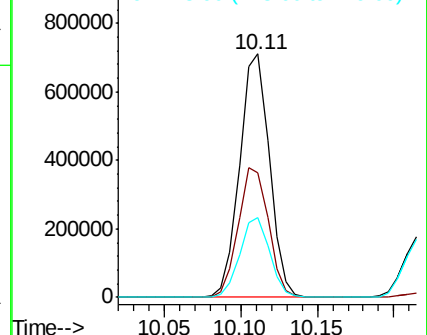
119 32.8 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 49.515 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX013613.D

Acq: 26 Nov 2019 20:53

Tgt Ion:164 Resp: 354848

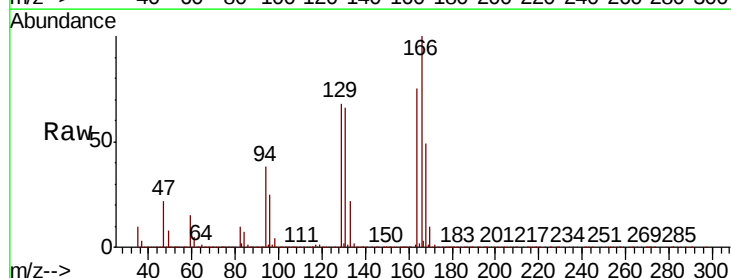
Ion Ratio Lower Upper

164 100

166 132.6 99.7 149.5

129 90.7 70.1 105.1

131 86.9 66.9 100.3

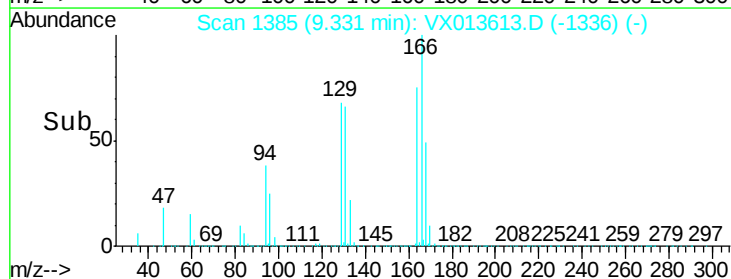
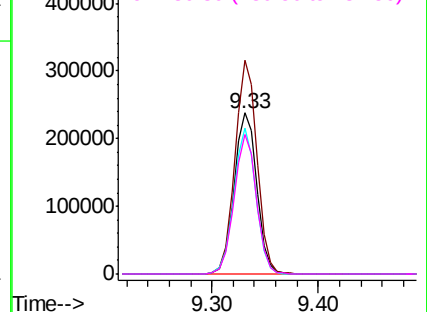


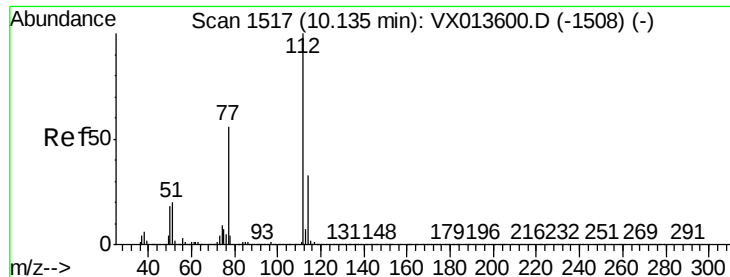
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

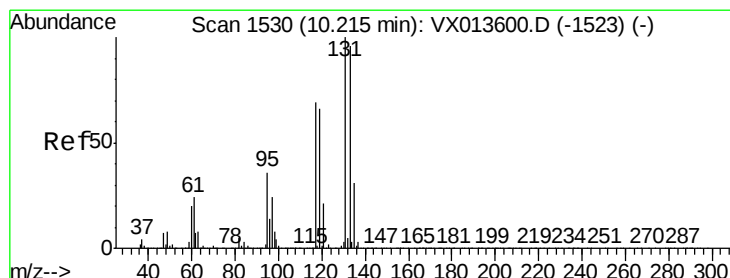
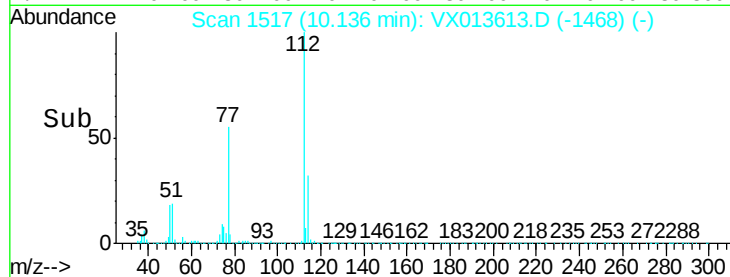
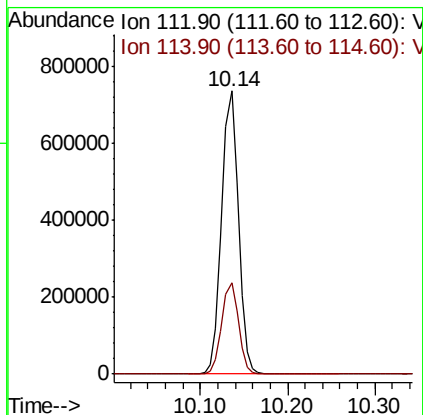
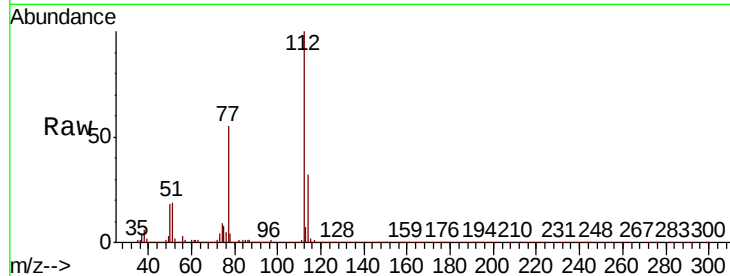




#65
Chlorobenzene
Concen: 48.846 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX013613.D
Acq: 26 Nov 2019 20:53

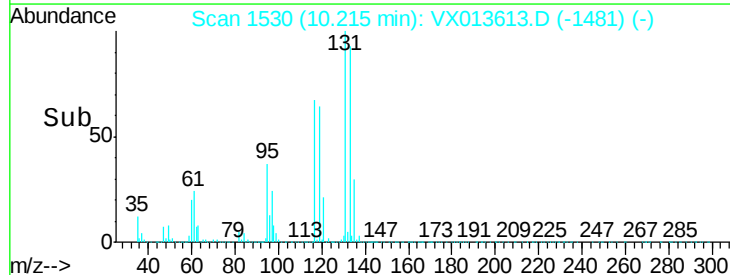
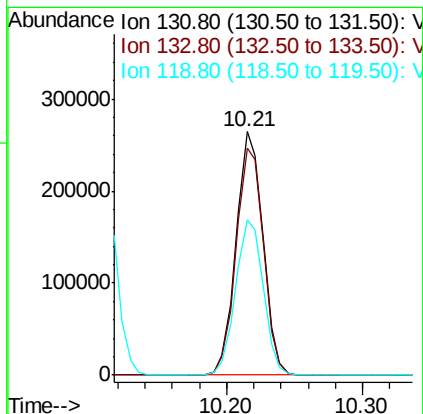
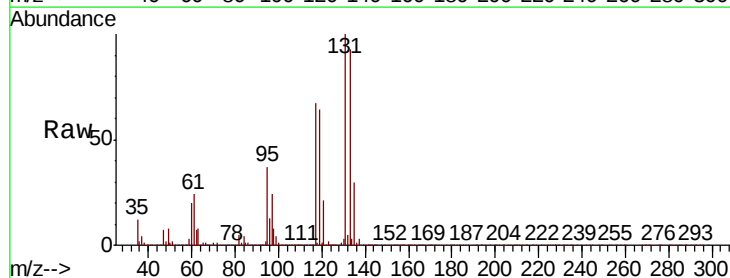
Instrument :
MSVOA_X
ClientSampleId :

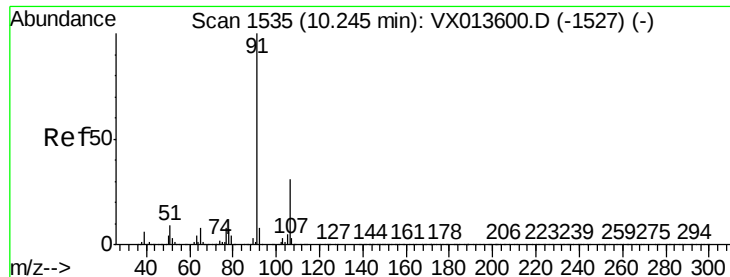
Tot Ion:112 Resp: 974572
Ion Ratio Lower Upper
112 100
114 32.1 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 50.572 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX013613.D
Acq: 26 Nov 2019 20:53

Tgt Ion:131 Resp: 362330
Ion Ratio Lower Upper
131 100
133 95.4 47.7 143.1
119 65.5 32.9 98.6





#67

Ethyl Benzene

Concen: 50.857 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX013613.D

Acq: 26 Nov 2019 20:53

Instrument :

MSVOA_X

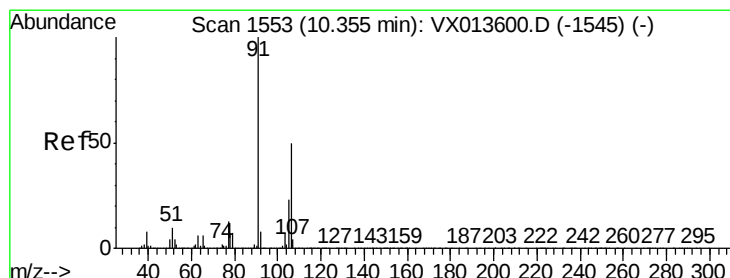
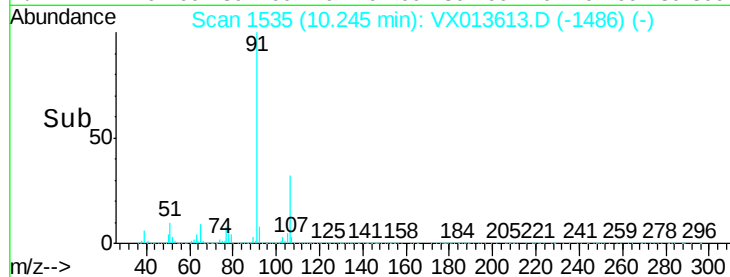
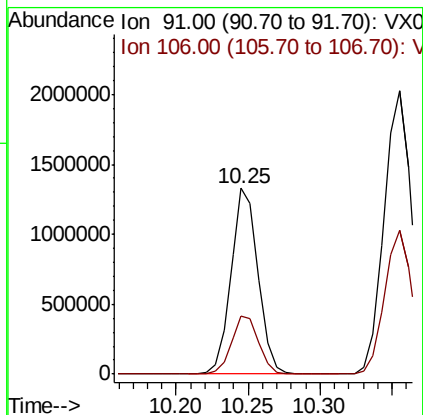
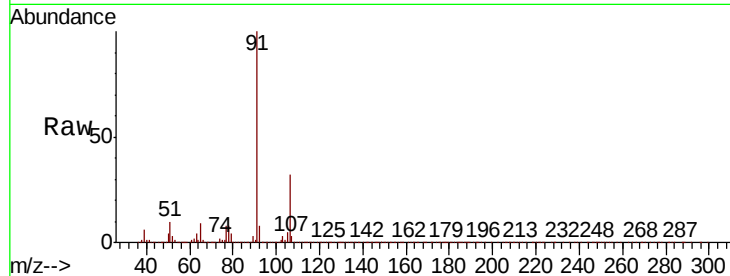
ClientSampleId :

Tot Ion: 91 Resp: 1743657

Ion Ratio Lower Upper

91 100

106 31.5 24.5 36.7



#68

m/p-Xylenes

Concen: 104.227 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX013613.D

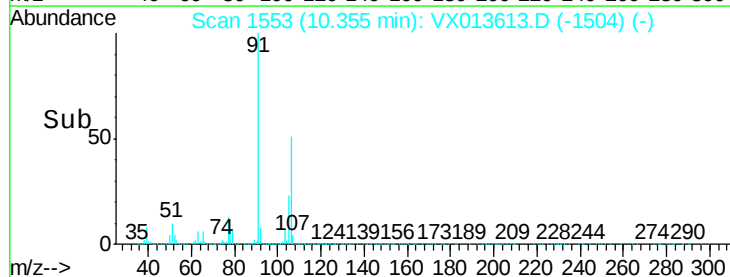
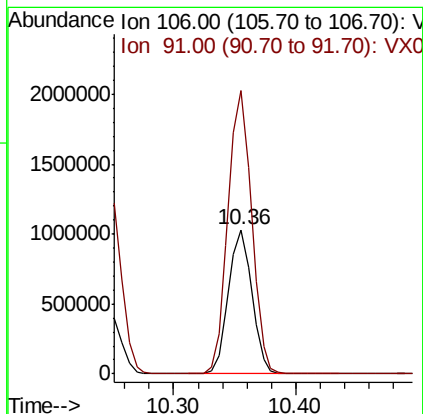
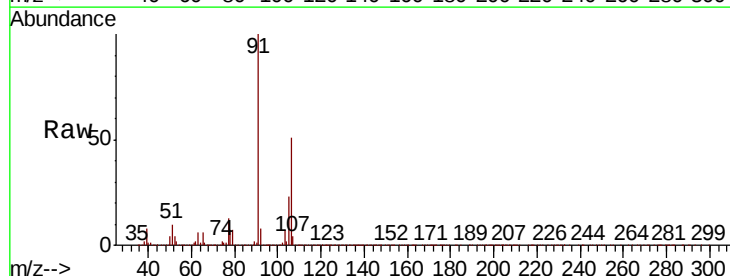
Acq: 26 Nov 2019 20:53

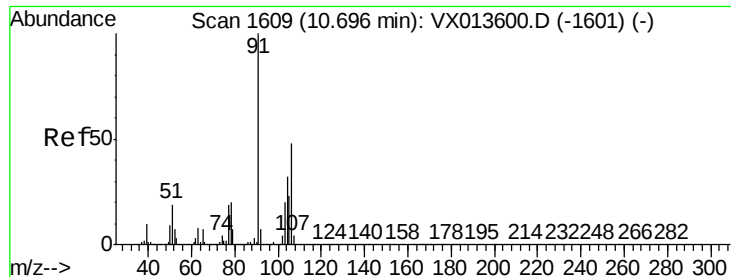
Tgt Ion:106 Resp: 1368114

Ion Ratio Lower Upper

106 100

91 198.3 159.0 238.4

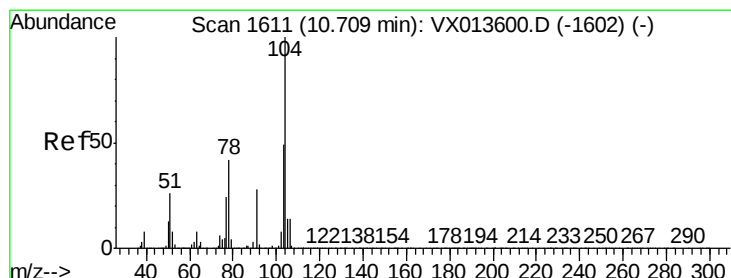
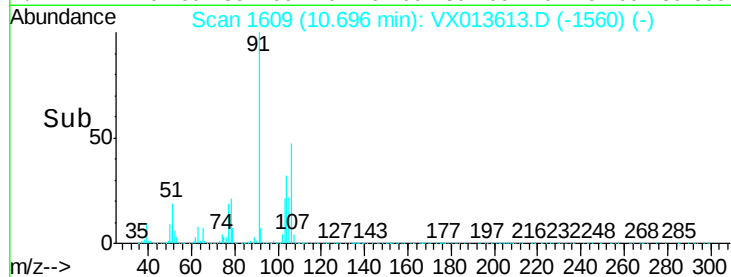
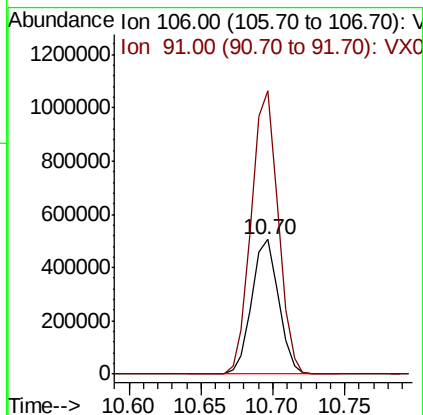
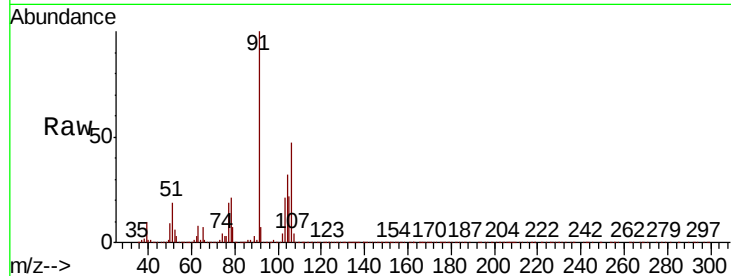




#69
o-Xylene
Concen: 50.713 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013613.D
Acq: 26 Nov 2019 20:53

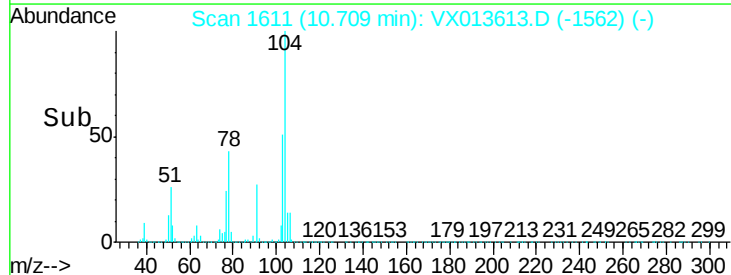
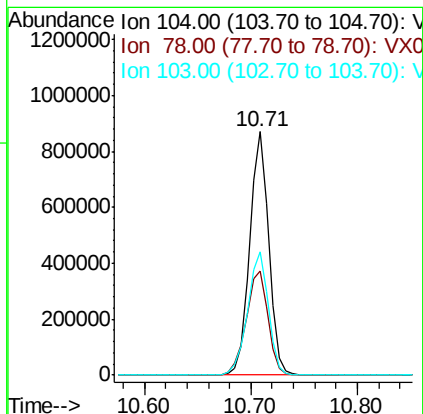
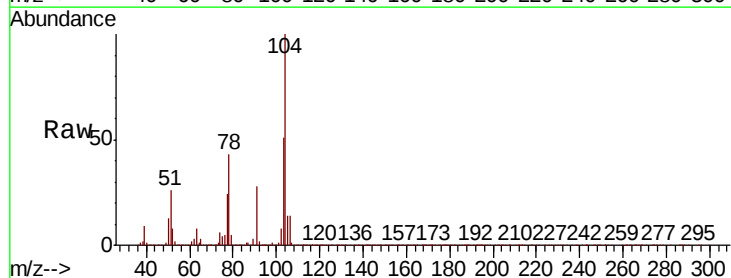
Instrument :
MSVOA_X
ClientSampleId :

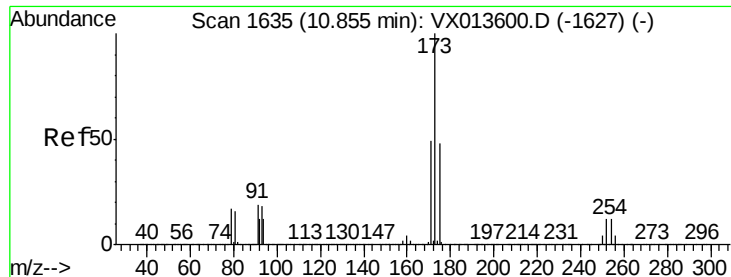
Tot Ion:106 Resp: 649227
Ion Ratio Lower Upper
106 100
91 210.3 104.1 312.2



#70
Styrene
Concen: 50.854 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013613.D
Acq: 26 Nov 2019 20:53

Tgt Ion:104 Resp: 1095152
Ion Ratio Lower Upper
104 100
78 49.0 38.5 57.7
103 55.2 43.7 65.5





#71

Bromoform

Concen: 52.608 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX013613.D

Acq: 26 Nov 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

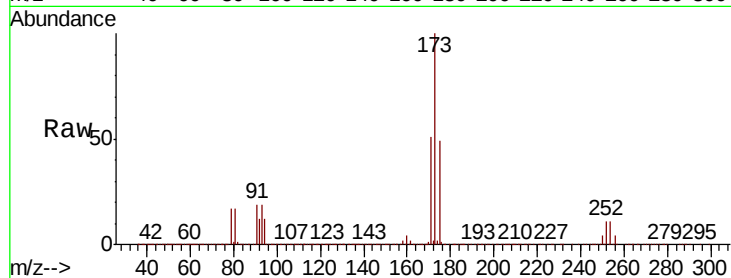
Tot Ion:173 Resp: 311867

Ion Ratio Lower Upper

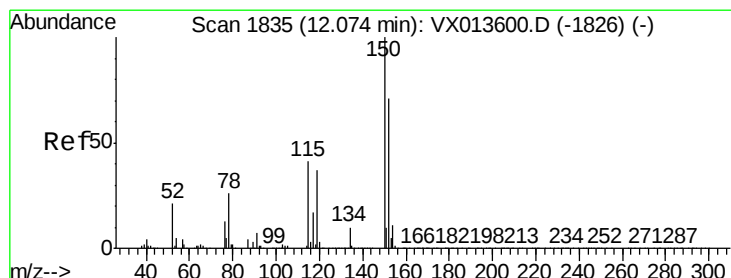
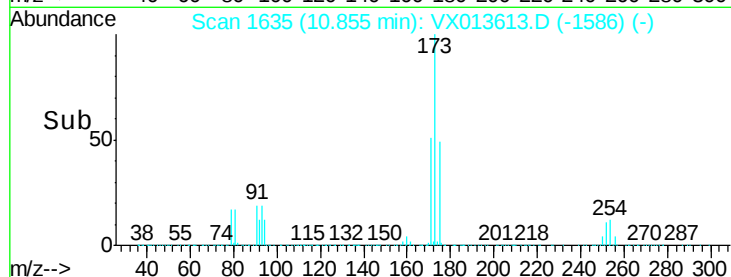
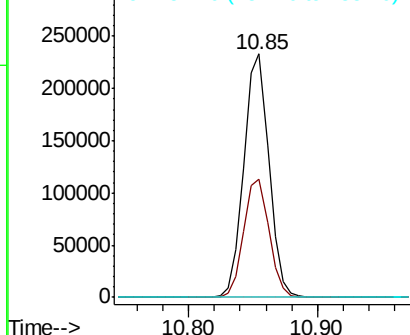
173 100

175 49.3 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: VX013613.D

Acq: 26 Nov 2019 20:53

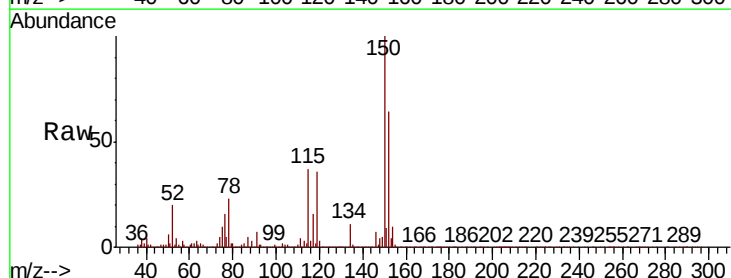
Tgt Ion:152 Resp: 481651

Ion Ratio Lower Upper

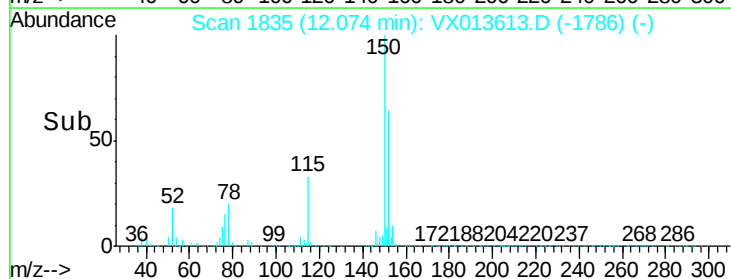
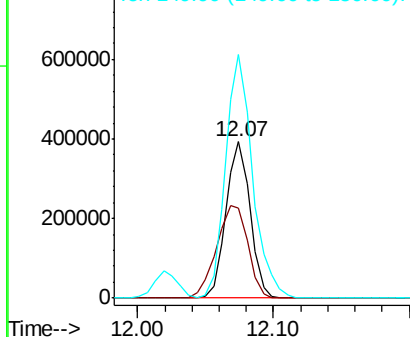
152 100

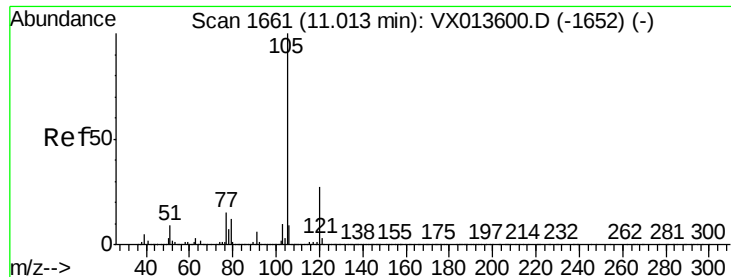
115 76.8 38.4 115.1

150 173.9 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: 50.188 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013613.D

Acq: 26 Nov 2019 20:53

Instrument :

MSVOA_X

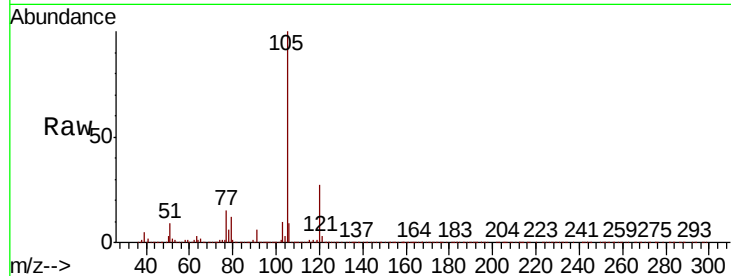
ClientSampleId :

Tot Ion:105 Resp: 1695661

Ion Ratio Lower Upper

105 100

120 26.8 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.01

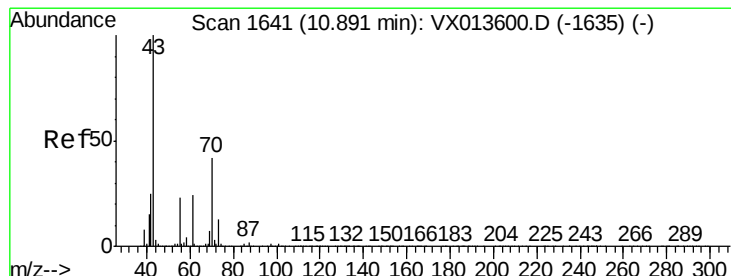
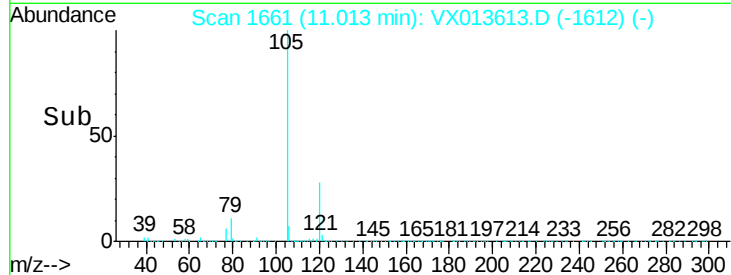
1500000

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 51.374 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX013613.D

Acq: 26 Nov 2019 20:53

Tgt Ion: 43 Resp: 795108

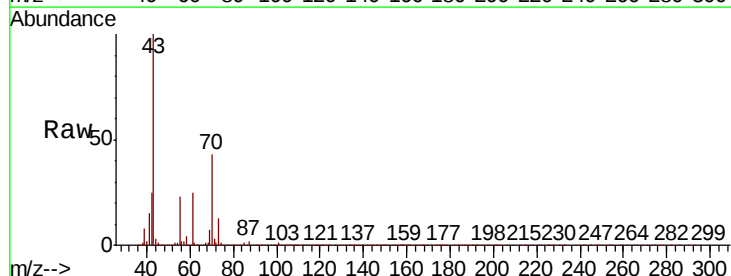
Ion Ratio Lower Upper

43 100

70 43.5 34.3 51.5

55 23.6 18.5 27.7

61 25.3 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

1000000

800000

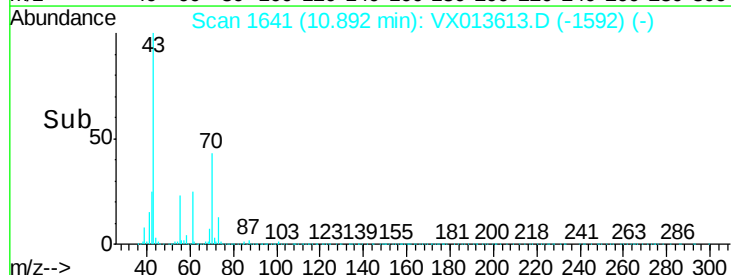
600000

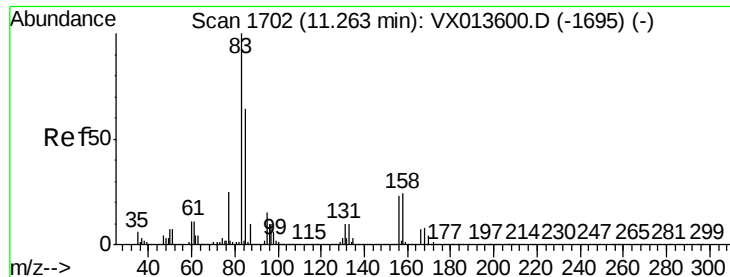
400000

200000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.217 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX013613.D

Acq: 26 Nov 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

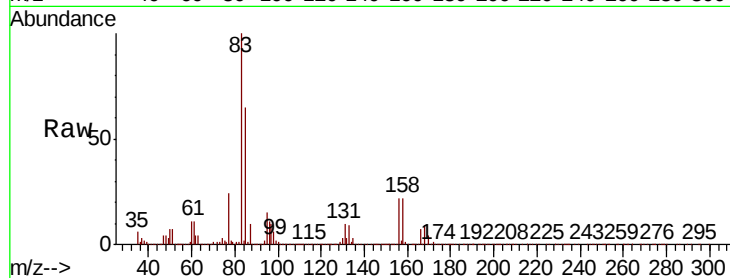
Tot Ion: 83 Resp: 576665

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.1	15.3
85	64.9	31.8	95.3

83 100

131 10.4 5.1 15.3

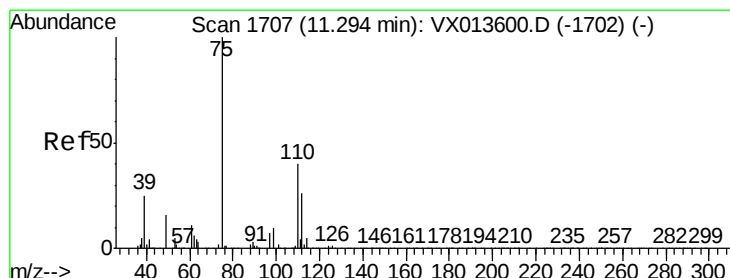
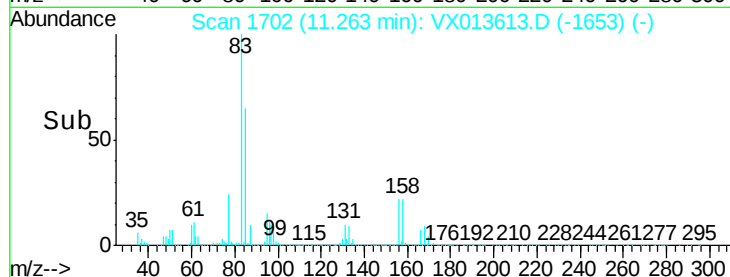
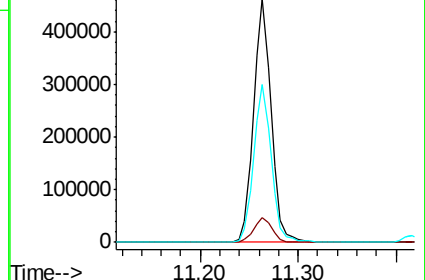
85 64.9 31.8 95.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 62.088 ug/l

RT: 11.29 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX013613.D

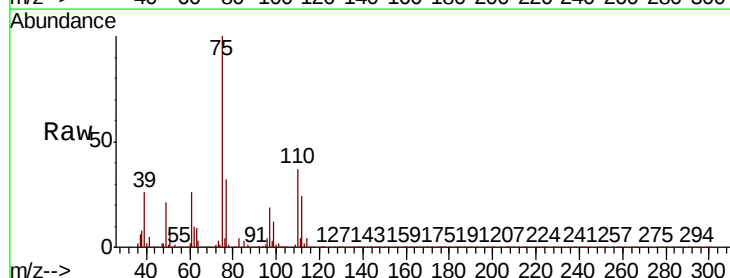
Acq: 26 Nov 2019 20:53

Tgt Ion: 75 Resp: 672615

Ion	Ratio	Lower	Upper
75	100		
77	30.8	19.1	57.5

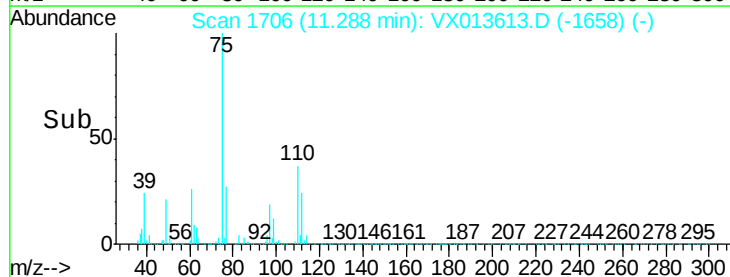
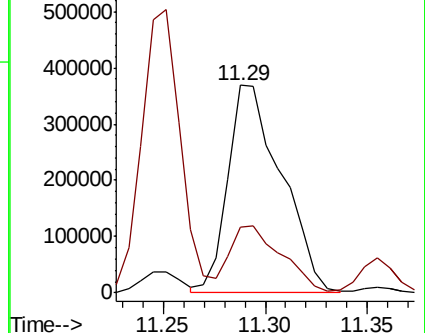
75 100

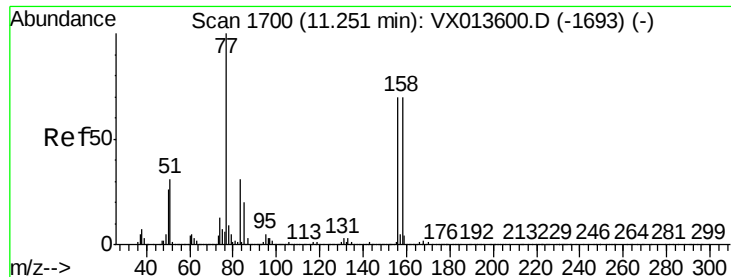
77 30.8 19.1 57.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 48.799 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013613.D

Acq: 26 Nov 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

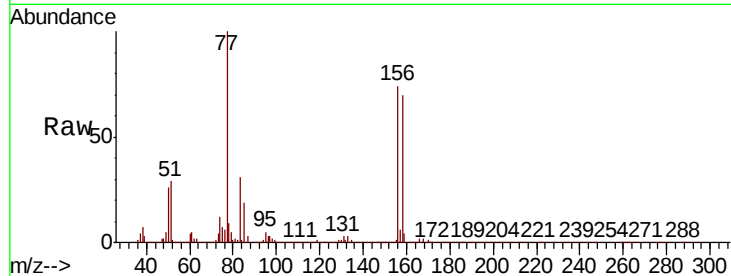
Tot Ion:156 Resp: 445411

Ion Ratio Lower Upper

156 100

77 149.1 74.4 223.1

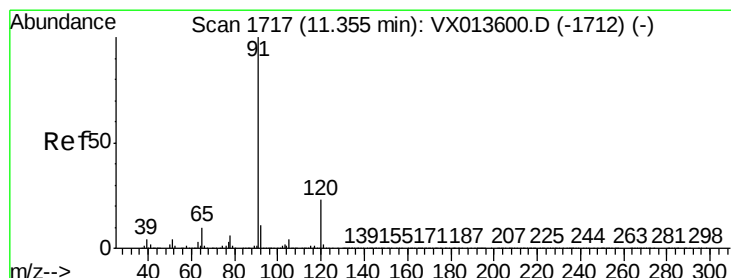
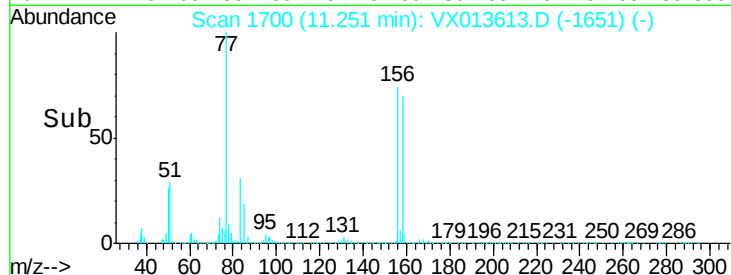
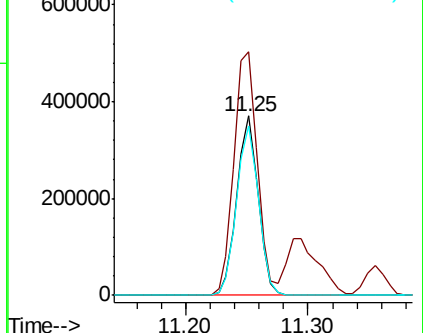
158 96.8 48.9 146.6



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: 50.285 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013613.D

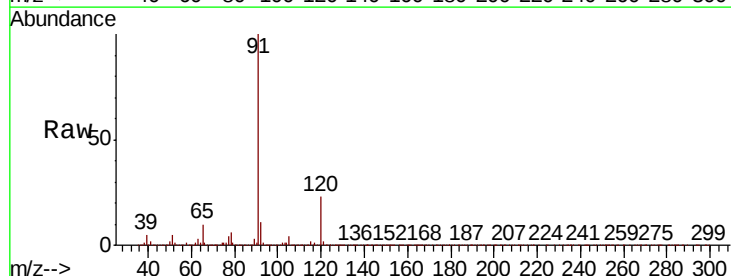
Acq: 26 Nov 2019 20:53

Tgt Ion: 91 Resp: 1896527

Ion Ratio Lower Upper

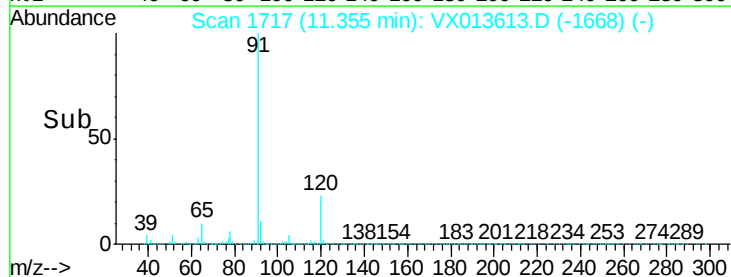
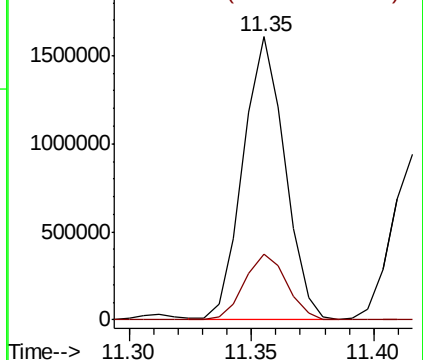
91 100

120 23.7 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: 49.703 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX013613.D

Acq: 26 Nov 2019 20:53

Instrument :

MSVOA_X

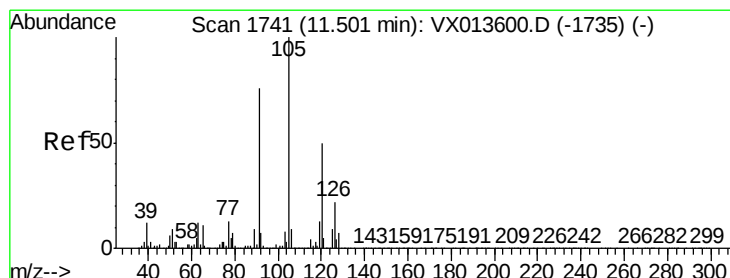
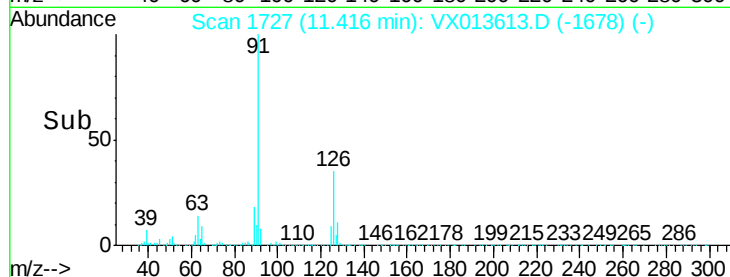
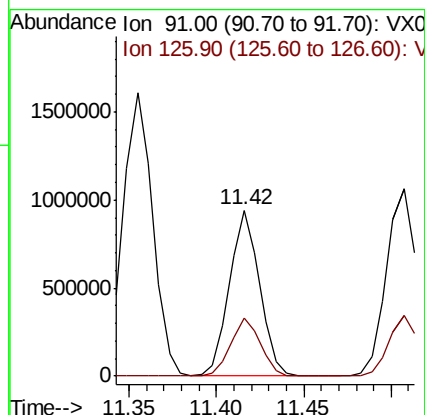
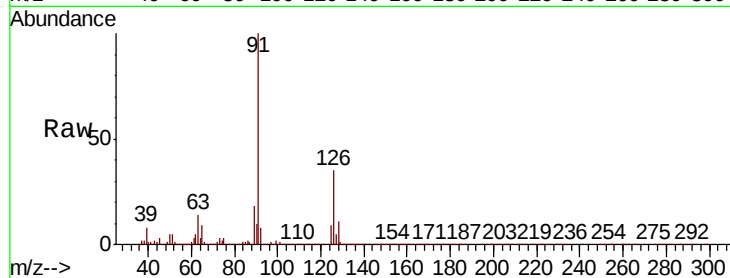
ClientSampleId :

Tot Ion: 91 Resp: 1124502

Ion Ratio Lower Upper

91 100

126 35.0 17.5 52.5



#80

1,3,5-Trimethylbenzene

Concen: 51.670 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013613.D

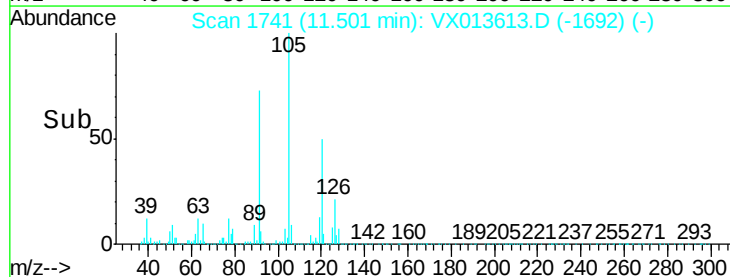
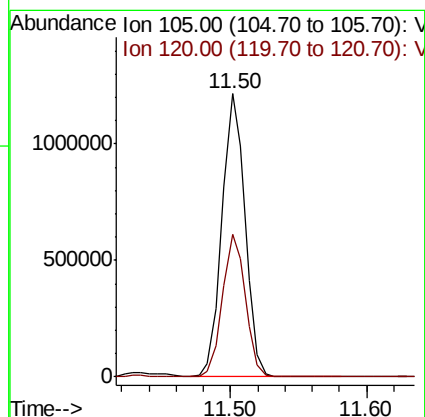
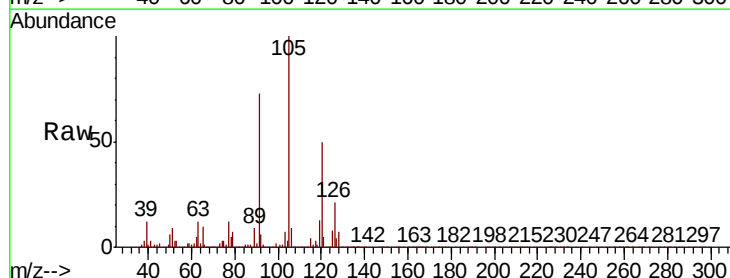
Acq: 26 Nov 2019 20:53

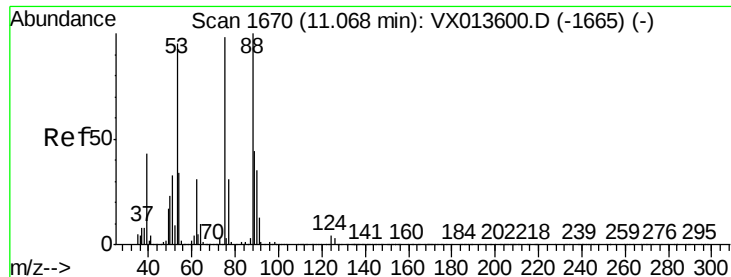
Tgt Ion: 105 Resp: 1430787

Ion Ratio Lower Upper

105 100

120 49.9 25.3 75.9





#81

trans-1,4-Dichloro-2-butene

Concen: 50.117 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX013613.D

Acq: 26 Nov 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

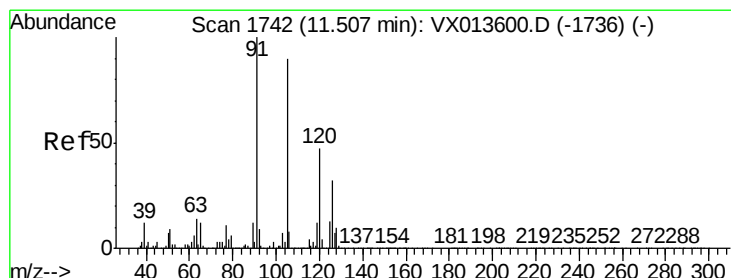
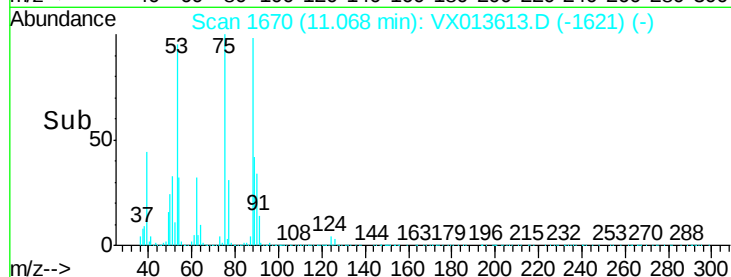
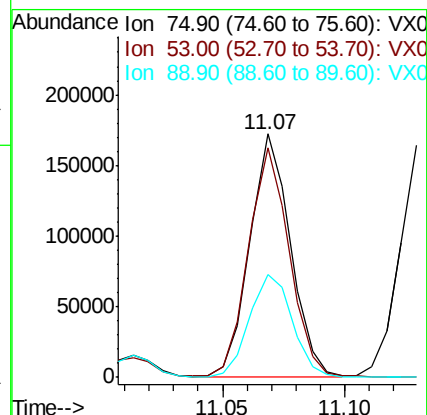
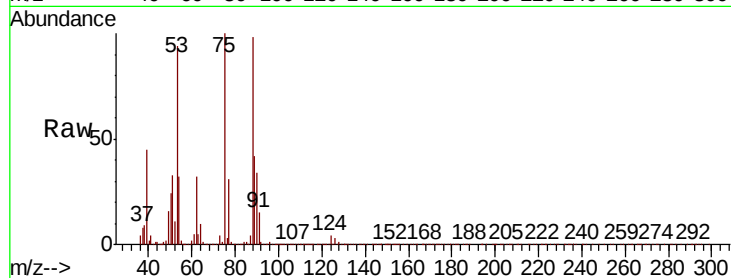
Tot Ion: 75 Resp: 198452

Ion Ratio Lower Upper

75 100

53 94.7 78.2 117.2

89 45.2 35.4 53.2



#82

4-Chlorotoluene

Concen: 49.361 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX013613.D

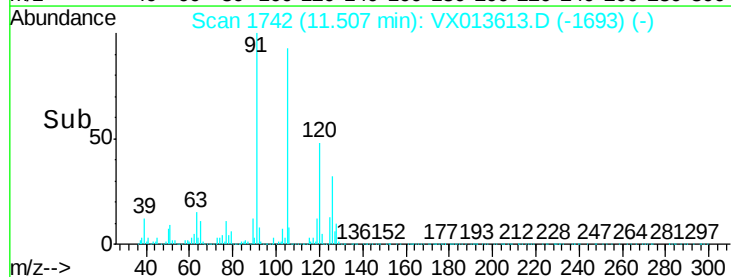
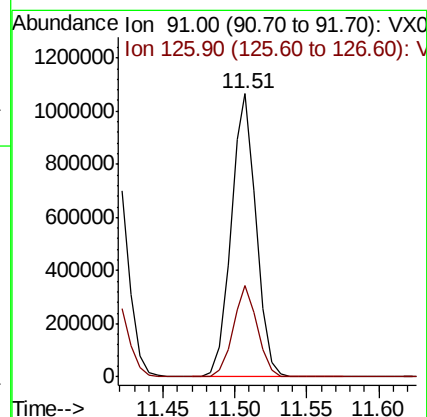
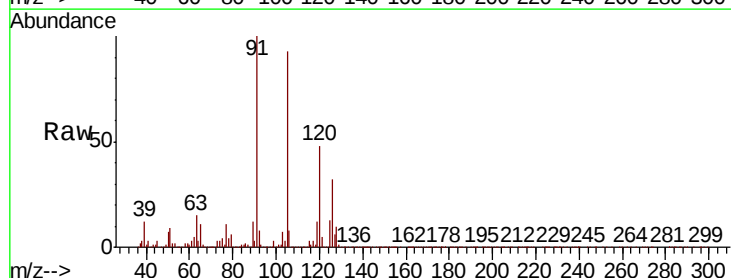
Acq: 26 Nov 2019 20:53

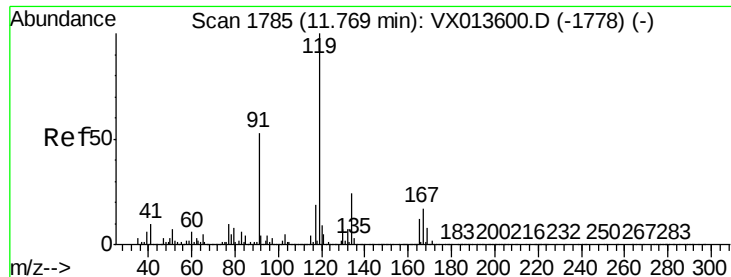
Tgt Ion: 91 Resp: 1293462

Ion Ratio Lower Upper

91 100

126 31.2 15.7 47.0





#83

tert-Butylbenzene

Concen: 50.740 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VX013613.D

Acq: 26 Nov 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

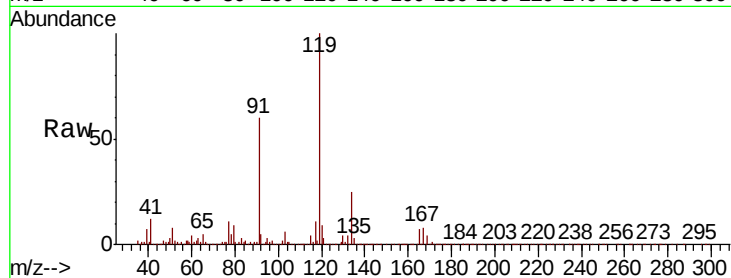
Tot Ion:119 Resp: 1427911

Ion Ratio Lower Upper

119 100

91 54.3 27.2 81.6

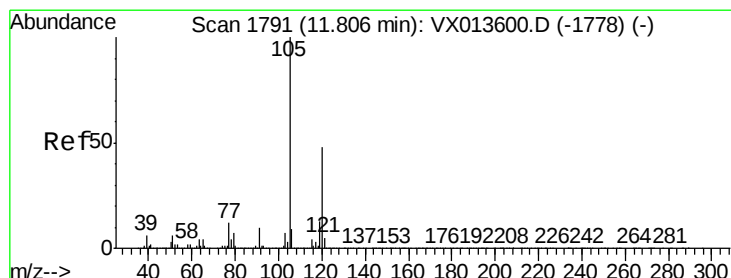
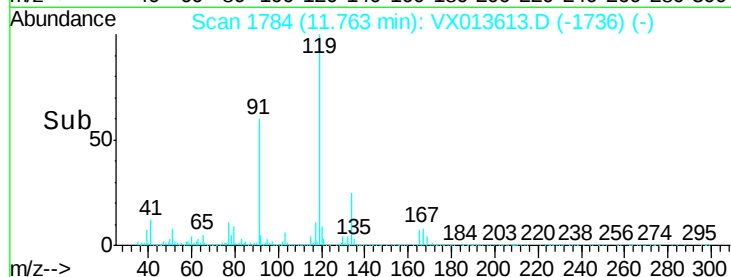
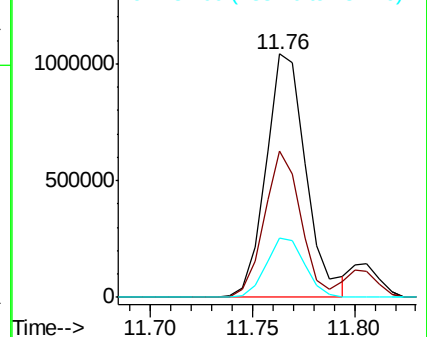
134 23.5 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 52.389 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. -0.01 min

Lab File: VX013613.D

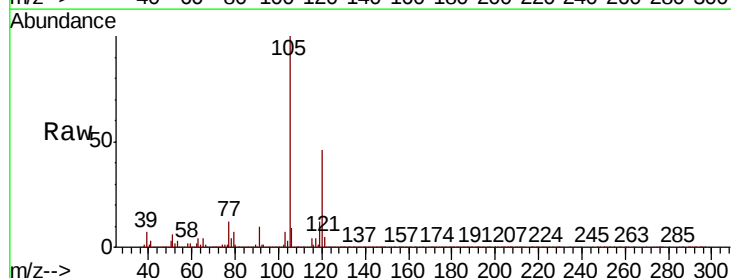
Acq: 26 Nov 2019 20:53

Tgt Ion:105 Resp: 1472292

Ion Ratio Lower Upper

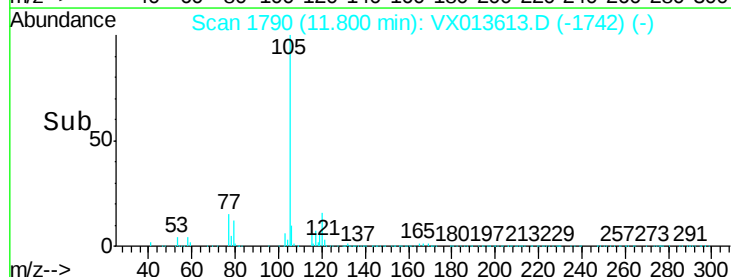
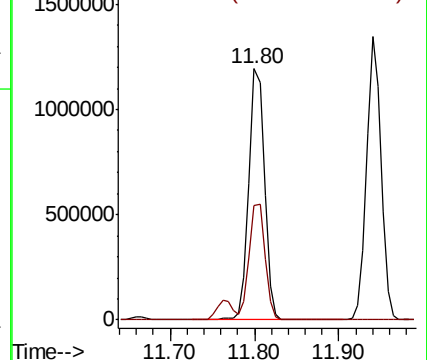
105 100

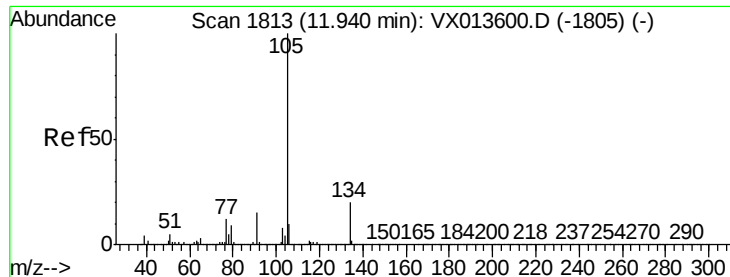
120 46.3 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.311 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013613.D

Acq: 26 Nov 2019 20:53

Instrument :

MSVOA_X

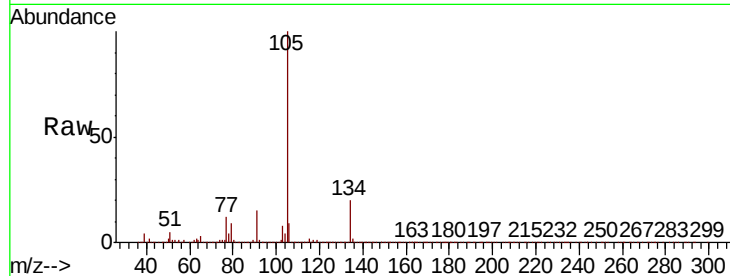
ClientSampleId :

Tot Ion:105 Resp: 1617190

Ion Ratio Lower Upper

105 100

134 20.8 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

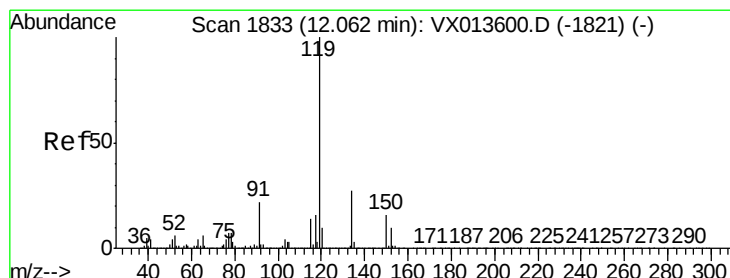
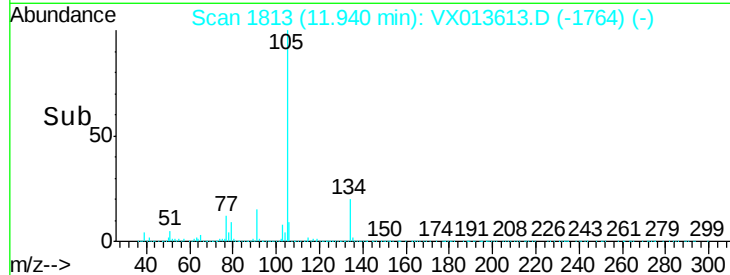
1500000

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 50.737 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX013613.D

Acq: 26 Nov 2019 20:53

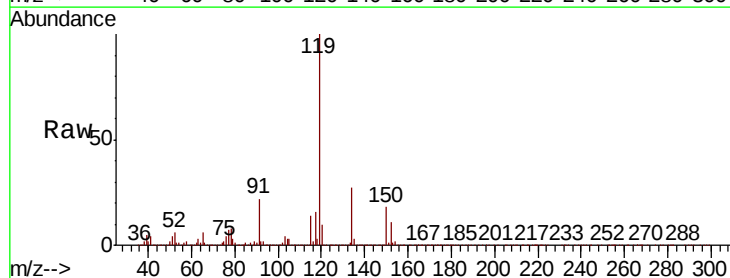
Tgt Ion:119 Resp: 1517218

Ion Ratio Lower Upper

119 100

134 27.1 13.3 39.9

91 22.1 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): V

12.06

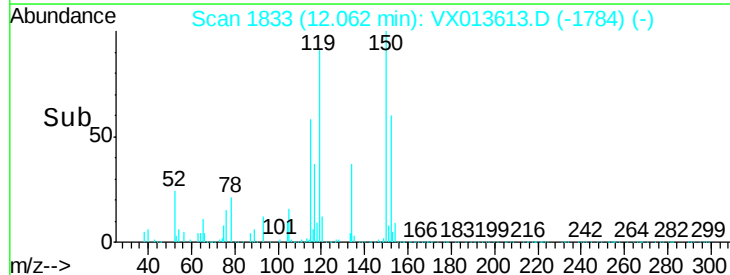
1500000

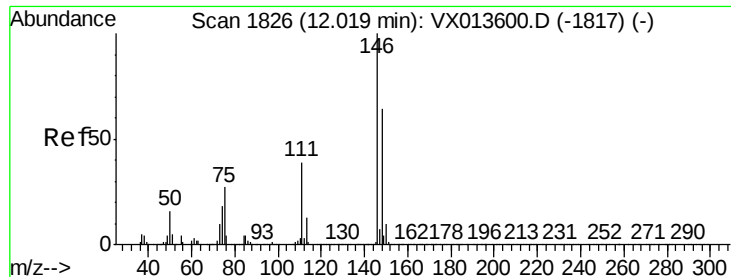
1000000

500000

0

Time-->

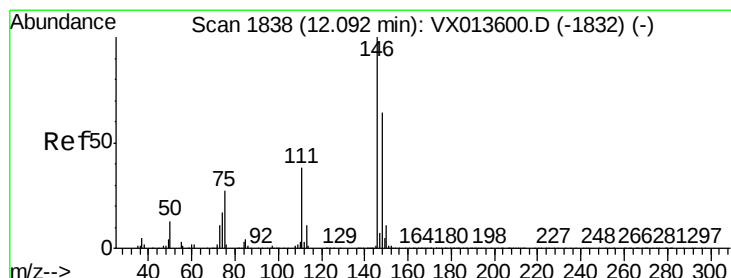
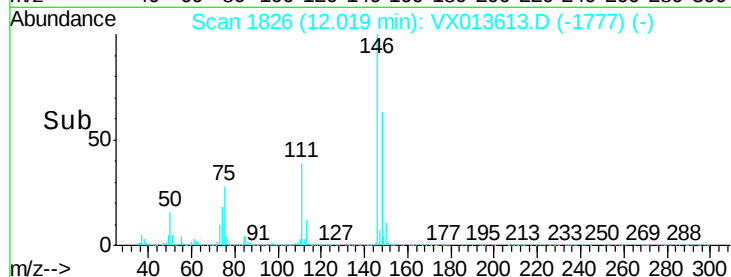
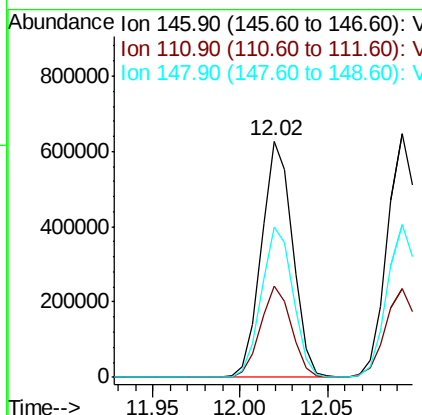
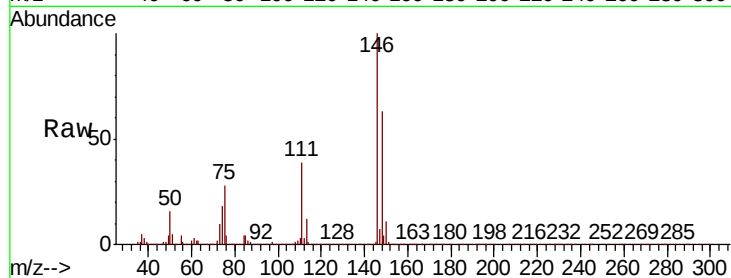




#87
 1,3-Dichlorobenzene
 Concen: 48.931 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX013613.D
 Acq: 26 Nov 2019 20:53

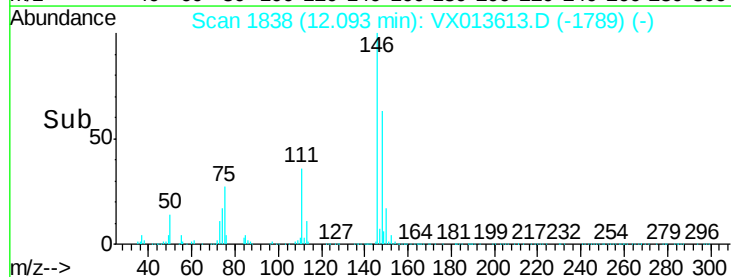
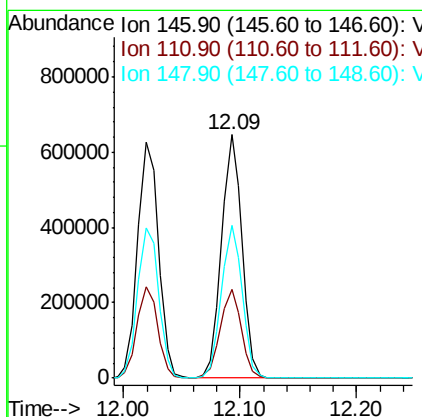
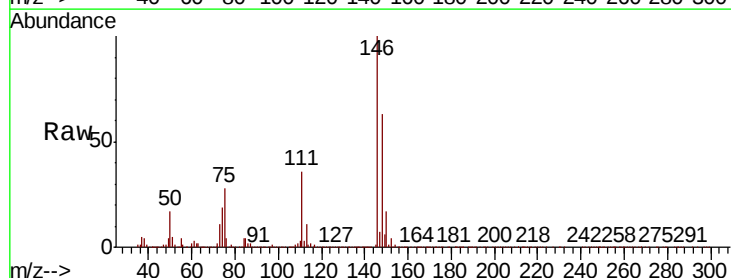
Instrument :
 MSVOA_X
 ClientSampleId :

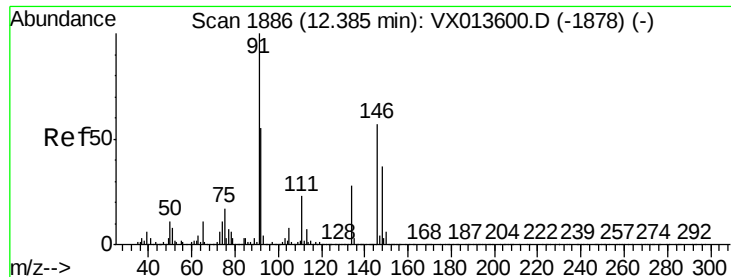
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.0	57.0
148	64.4	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 48.293 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX013613.D
 Acq: 26 Nov 2019 20:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.9	56.9
148	63.6	31.9	95.5





#89

n-Butylbenzene

Concen: 51.426 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX013613.D

Acq: 26 Nov 2019 20:53

Instrument :

MSVOA_X

ClientSampled :

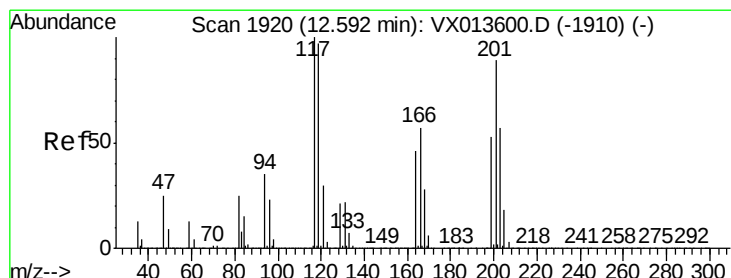
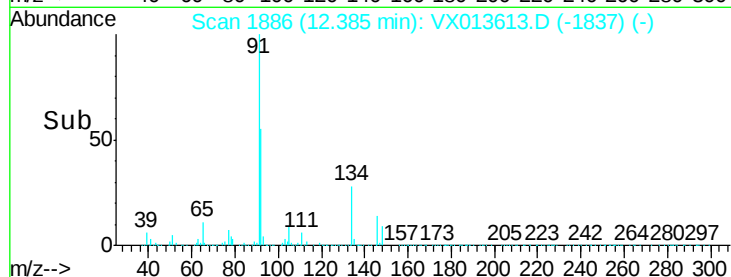
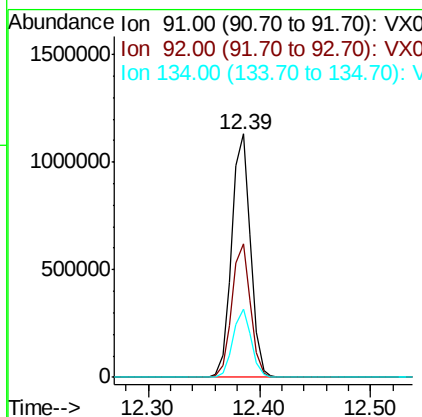
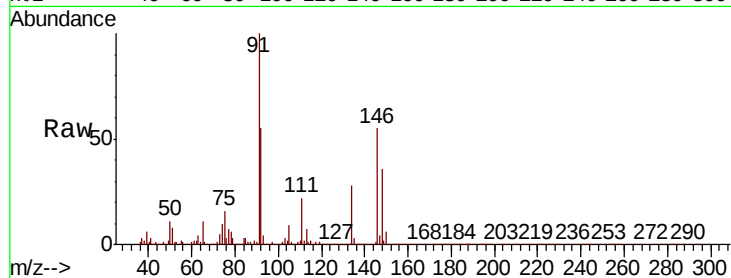
Tot Ion: 91 Resp: 1311608

Ion Ratio Lower Upper

91 100

92 54.6 27.4 82.2

134 27.5 13.5 40.4



#90

Hexachloroethane

Concen: 50.035 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX013613.D

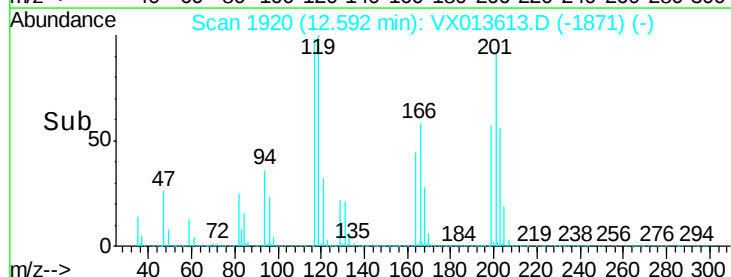
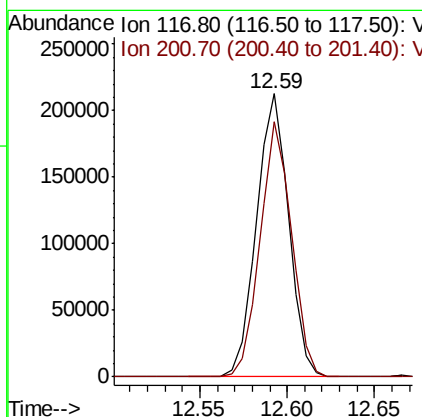
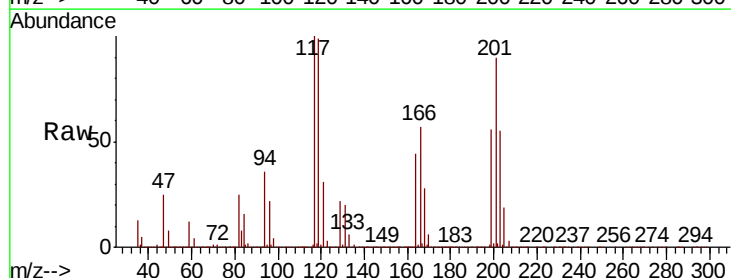
Acq: 26 Nov 2019 20:53

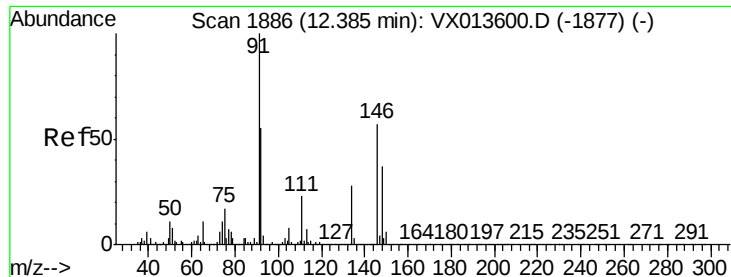
Tgt Ion: 117 Resp: 270444

Ion Ratio Lower Upper

117 100

201 88.7 44.1 132.4





#91

1,2-Dichlorobenzene

Concen: 49.676 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX013613.D

Acq: 26 Nov 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

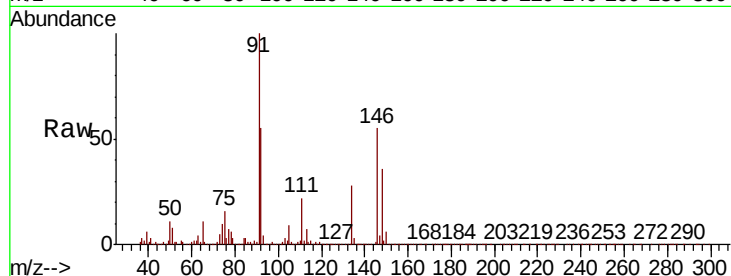
Tot Ion:146 Resp: 780921

Ion Ratio Lower Upper

146 100

111 39.4 19.6 58.7

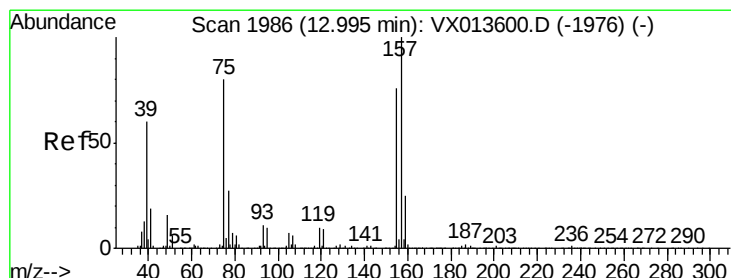
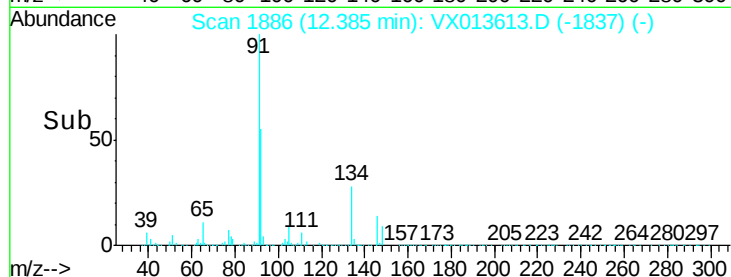
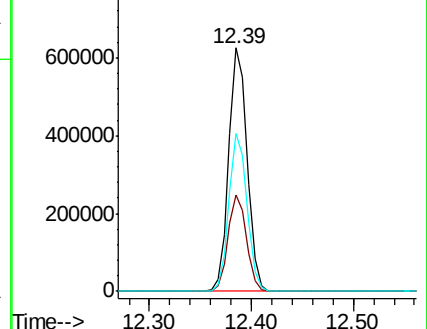
148 64.0 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.546 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX013613.D

Acq: 26 Nov 2019 20:53

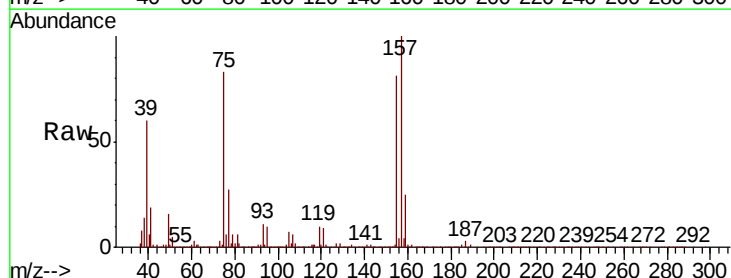
Tgt Ion: 75 Resp: 128969

Ion Ratio Lower Upper

75 100

155 98.3 47.6 142.8

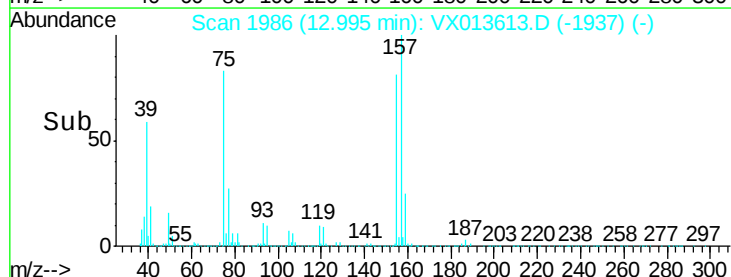
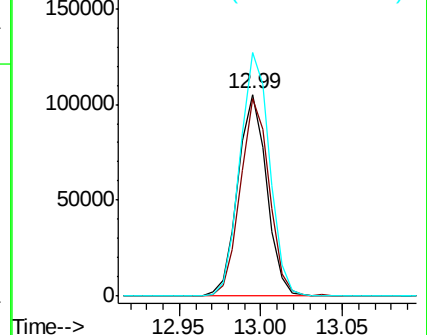
157 125.2 62.1 186.2

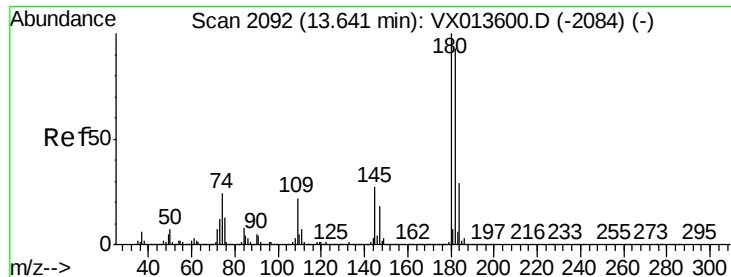


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

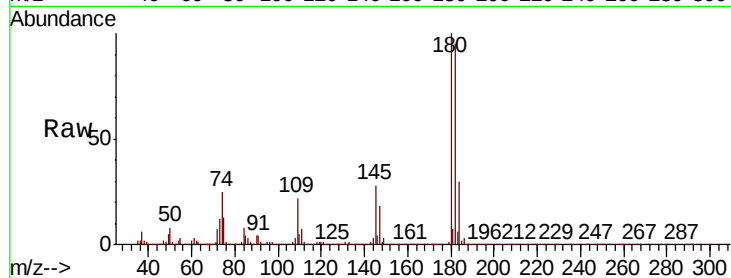




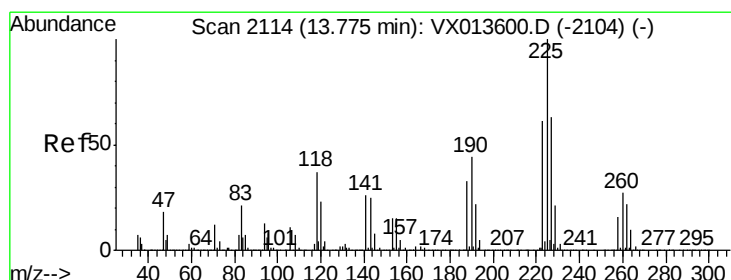
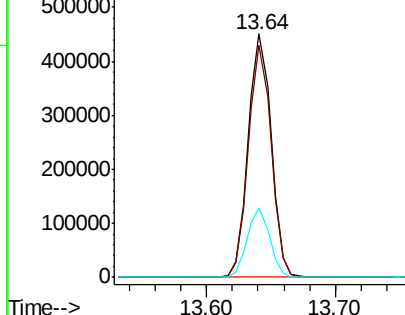
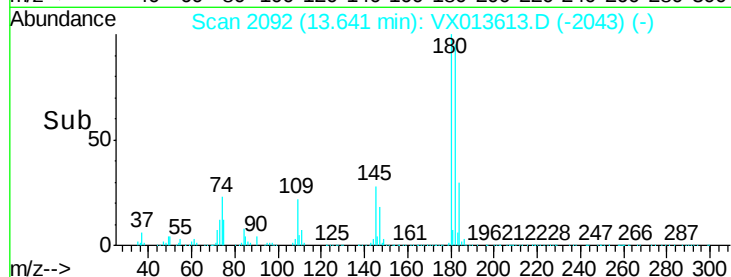
#93
 1,2,4-Trichlorobenzene
 Concen: 50.301 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX013613.D
 Acq: 26 Nov 2019 20:53

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.2	141.6
145	27.8	13.8	41.4

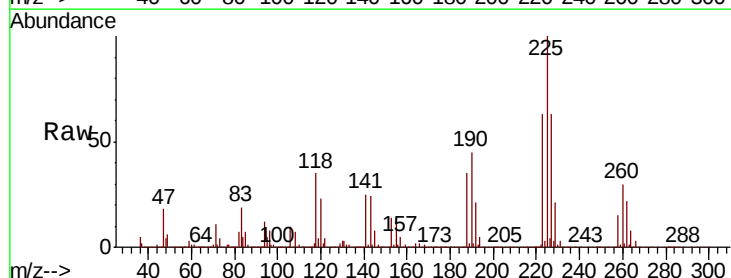


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

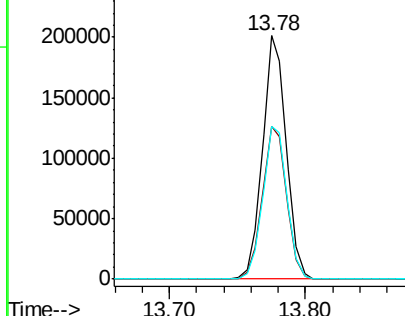
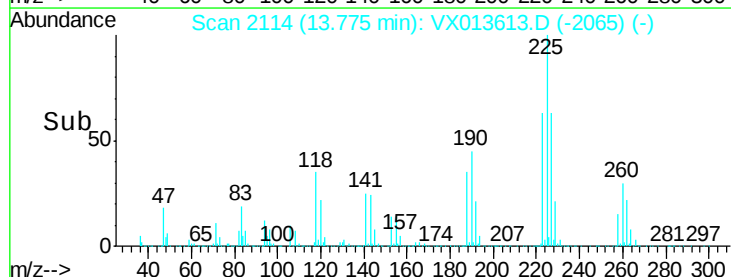


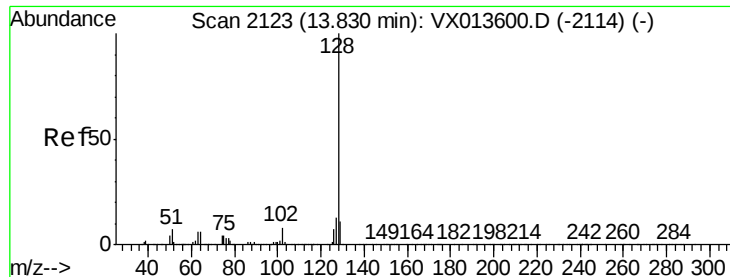
#94
 Hexachlorobutadiene
 Concen: 46.810 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX013613.D
 Acq: 26 Nov 2019 20:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.9	95.5
227	64.0	32.1	96.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

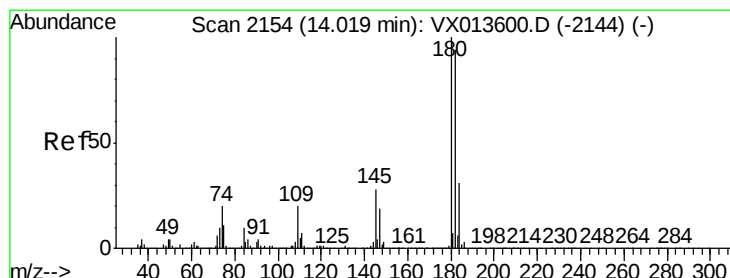
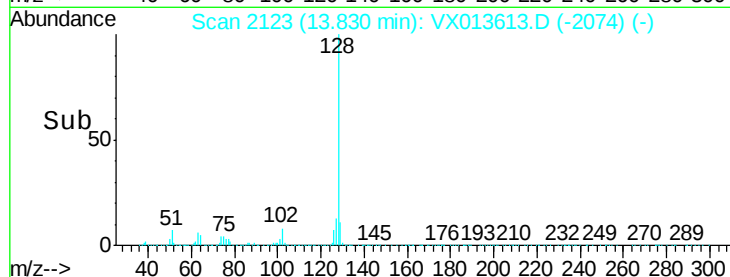
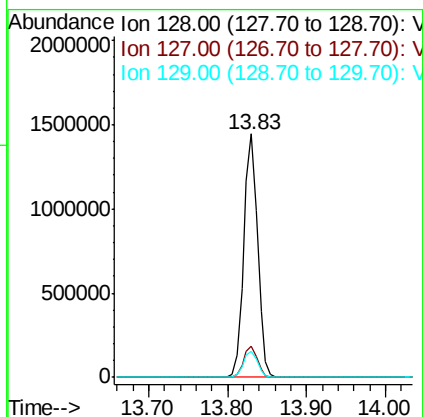
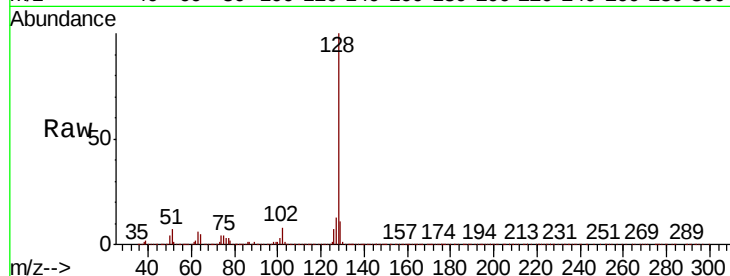




#95
Naphthalene
Concen: 53.737 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013613.D
Acq: 26 Nov 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 1753275
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 50.398 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.01 min
Lab File: VX013613.D
Acq: 26 Nov 2019 20:53

Tgt Ion:180 Resp: 546704
Ion Ratio Lower Upper
180 100
182 96.3 47.6 142.8
145 30.2 15.0 45.0

