

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX103119\
 Data File : VX013294.D
 Acq On : 31 Oct 2019 17:05
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 02 06:40:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 06:36:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	723346	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1092004	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	985018	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	498134	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	161841	20.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.94%	
35) Dibromofluoromethane	5.49	113	127897	18.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.96%	
50) Toluene-d8	8.71	98	489690	18.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.66%	
62) 4-Bromofluorobenzene	11.14	95	168375	17.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.56%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	169788	24.525	ug/l	98
3) Chloromethane	1.31	50	185527	26.133	ug/l	100
4) Vinyl Chloride	1.40	62	211518	28.466	ug/l	99
5) Bromomethane	1.62	94	124228	27.393	ug/l	99
6) Chloroethane	1.71	64	123896	26.679	ug/l	96
7) Trichlorofluoromethane	1.92	101	233035	20.158	ug/l	100
8) Diethyl Ether	2.17	74	104412	24.748	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	129153	19.556	ug/l	99
10) Methyl Iodide	2.50	142	155636	18.219	ug/l	99
11) Tert butyl alcohol	3.03	59	205601	109.381	ug/l	98
12) 1,1-Dichloroethene	2.36	96	130425	20.092	ug/l	98
13) Acrolein	2.28	56	117502	107.977	ug/l	98
14) Allyl chloride	2.72	41	230296	23.385	ug/l	100
15) Acrylonitrile	3.13	53	421119	111.621	ug/l	100
16) Acetone	2.43	43	437194	120.185	ug/l	99
17) Carbon Disulfide	2.56	76	339865	20.262	ug/l	99
18) Methyl Acetate	2.76	43	231528	26.443	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	432581	20.356	ug/l	100
20) Methylene Chloride	2.84	84	150839	20.208	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	137746	19.890	ug/l	98
22) Diisopropyl ether	3.84	45	456814	22.167	ug/l	95
23) Vinyl Acetate	3.80	43	1951056	112.400	ug/l	100
24) 1,1-Dichloroethane	3.69	63	252460	21.363	ug/l	99
25) 2-Butanone	4.66	43	627138	119.219	ug/l	99
26) 2,2-Dichloropropane	4.57	77	200502	20.835	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	160128	19.922	ug/l	99
28) Bromochloromethane	5.00	49	70129	13.552	ug/l	99
29) Tetrahydrofuran	5.11	42	383630	114.990	ug/l	100
30) Chloroform	5.20	83	252518	20.030	ug/l	98
31) Cyclohexane	5.57	56	224753	20.900	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	211087	19.492	ug/l	98
36) 1,1-Dichloropropene	5.79	75	186458	20.427	ug/l	98
37) Ethyl Acetate	4.82	43	229350	23.819	ug/l	100
38) Carbon Tetrachloride	5.78	117	177610	18.921	ug/l	98

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Quant Time: Nov 02 06:40:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 06:36:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	227106	19.447	ug/l	98
40) Benzene	6.13	78	572244	20.523	ug/l	99
41) Methacrylonitrile	5.03	41	124497	22.578	ug/l	98
42) 1,2-Dichloroethane	6.19	62	211658	21.464	ug/l	99
43) Isopropyl Acetate	6.44	43	349057	22.108	ug/l	98
44) Trichloroethene	7.21	130	150882	18.525	ug/l	100
45) 1,2-Dichloropropane	7.51	63	145863	20.472	ug/l	95
46) Dibromomethane	7.65	93	98365	19.540	ug/l	99
47) Bromodichloromethane	7.89	83	185143	20.399	ug/l	98
48) Methyl methacrylate	7.76	41	177833	22.852	ug/l	98
49) 1,4-Dioxane	7.73	88	77745	373.670	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1177578	115.011	ug/l	99
52) Toluene	8.78	92	363680	20.013	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	202436	20.674	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	227572	20.973	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	146363	19.512	ug/l	98
56) Ethyl methacrylate	9.17	69	228100	20.605	ug/l	98
57) 1,3-Dichloropropane	9.37	76	246482	20.478	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	518118	99.010	ug/l	100
59) 2-Hexanone	9.49	43	916738	115.686	ug/l	100
60) Dibromochloromethane	9.58	129	147705	19.518	ug/l	99
61) 1,2-Dibromoethane	9.67	107	154569	19.461	ug/l	96
64) Tetrachloroethene	9.33	164	136388	17.780	ug/l	97
65) Chlorobenzene	10.14	112	386620	19.051	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	145554	20.388	ug/l	97
67) Ethyl Benzene	10.25	91	678413	19.610	ug/l	100
68) m/p-Xylenes	10.36	106	515080	38.819	ug/l	99
69) o-Xylene	10.70	106	250933	19.443	ug/l	100
70) Styrene	10.71	104	424661	19.710	ug/l	99
71) Bromoform	10.85	173	111749	19.532	ug/l #	97
73) Isopropylbenzene	11.01	105	671914	19.818	ug/l	99
74) N-amyl acetate	10.89	43	301453	22.393	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	237679	21.128	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	268606	29.434	ug/l	79
77) Bromobenzene	11.25	156	171774	18.487	ug/l	98
78) n-propylbenzene	11.35	91	737759	19.653	ug/l	99
79) 2-Chlorotoluene	11.42	91	440723	19.572	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	550730	19.499	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	72396	21.079	ug/l	94
82) 4-Chlorotoluene	11.51	91	511710	19.527	ug/l	99
83) tert-Butylbenzene	11.77	119	556546	19.908	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	556139	19.506	ug/l	98
85) sec-Butylbenzene	11.94	105	630807	19.412	ug/l	99
86) p-Isopropyltoluene	12.06	119	592120	19.692	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	306221	18.956	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	302404	18.316	ug/l	98
89) n-Butylbenzene	12.39	91	500269	19.411	ug/l	99
90) Hexachloroethane	12.59	117	99012	20.500	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	305596	19.094	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	53347	22.228	ug/l	98

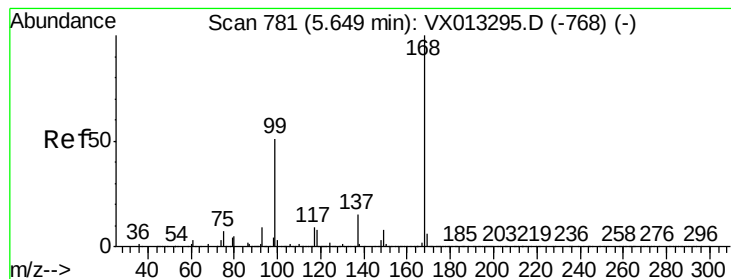
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX103119\
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Quant Title : SW846 8260
QLast Update : Sat Nov 02 06:36:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	207550	19.066	ug/l	99
94) Hexachlorobutadiene	13.78	225	102491	19.044	ug/l	96
95) Naphthalene	13.83	128	686578	20.964	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	213633	19.644	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: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

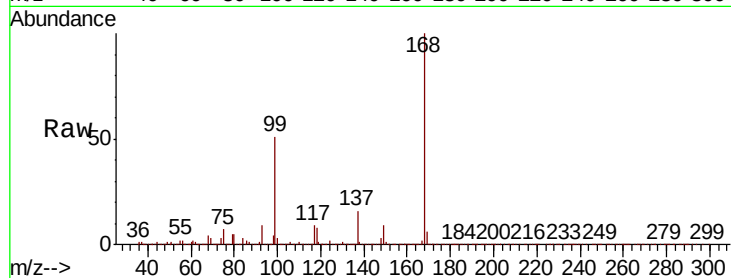
ClientSampled :

Tot Ion:168 Resp: 723346

Ion Ratio Lower Upper

168 100

99 50.5 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

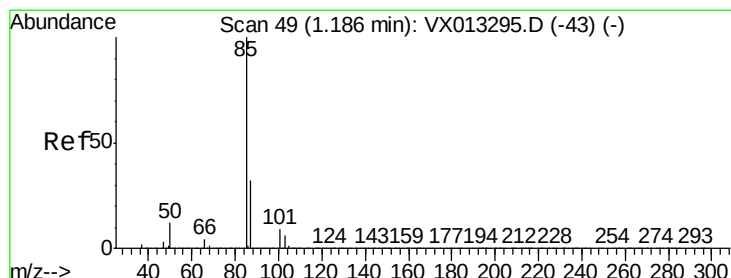
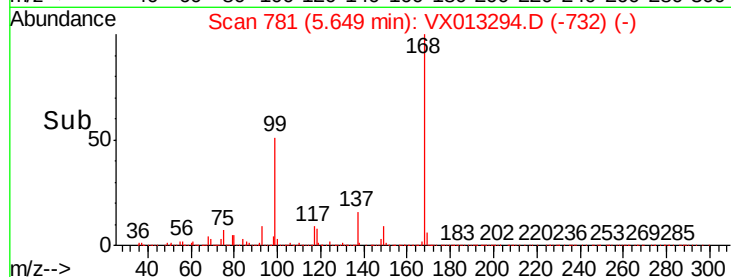
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 24.525 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX013294.D

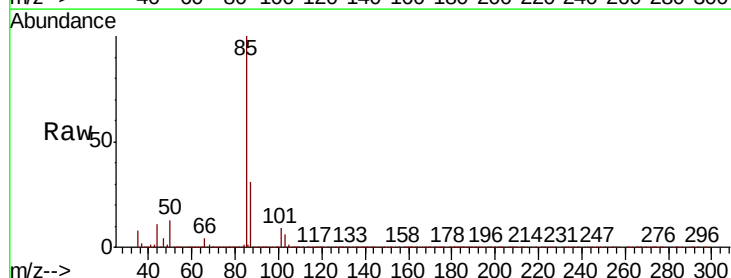
Acq: 31 Oct 2019 17:05

Tgt Ion: 85 Resp: 169788

Ion Ratio Lower Upper

85 100

87 30.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

200000

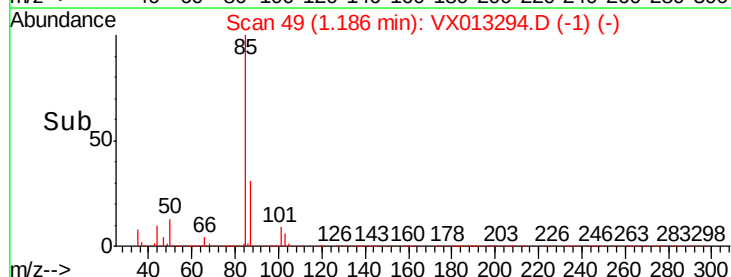
150000

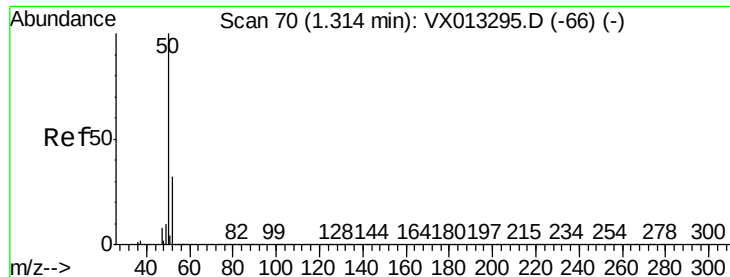
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50000

0

Time-->

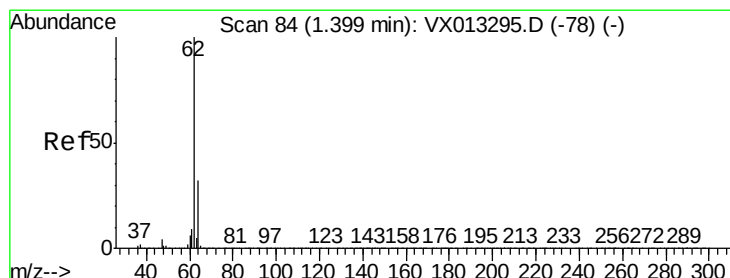
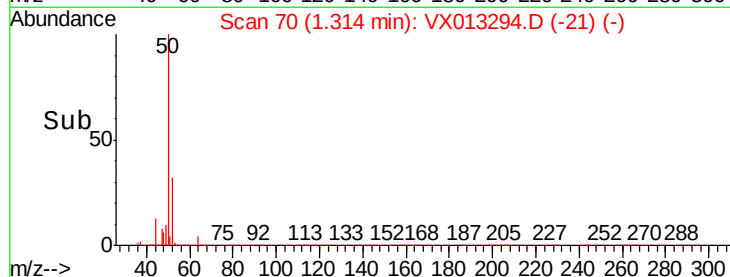
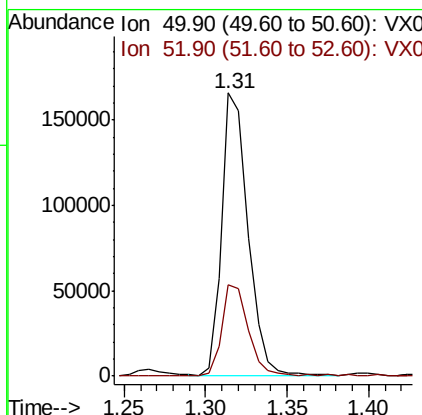
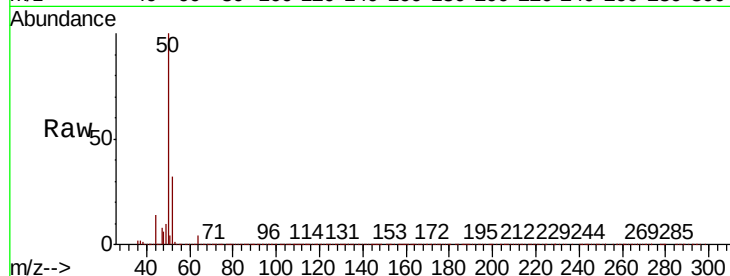




#3
Chloromethane
Concen: 26.133 ug/l
RT: 1.31 min Scan# 70
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

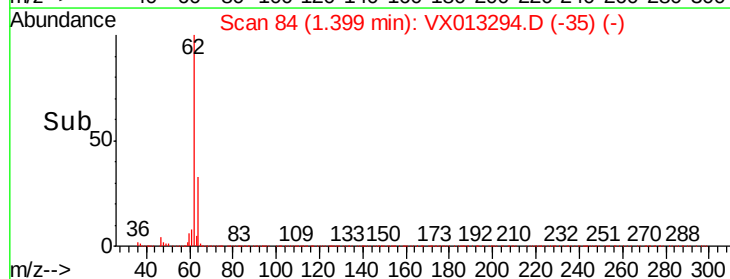
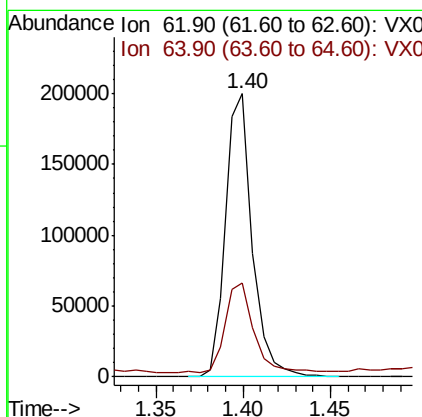
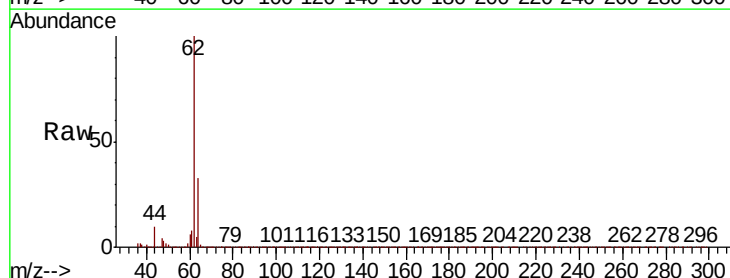
Instrument :
MSVOA_X
ClientSampleId :

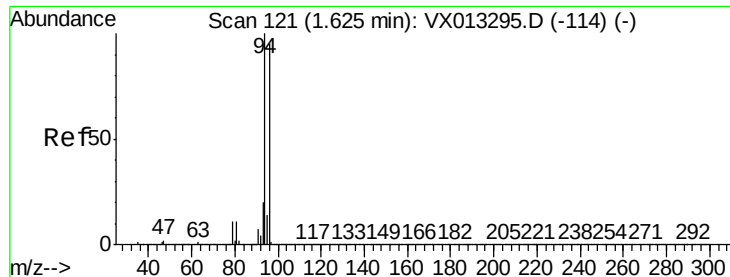
Tot Ion: 50 Resp: 185527
Ion Ratio Lower Upper
50 100
52 32.0 25.5 38.3



#4
Vinyl Chloride
Concen: 28.466 ug/l
RT: 1.40 min Scan# 84
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Tgt Ion: 62 Resp: 211518
Ion Ratio Lower Upper
62 100
64 31.4 25.6 38.4





#5

Bromomethane

Concen: 27.393 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

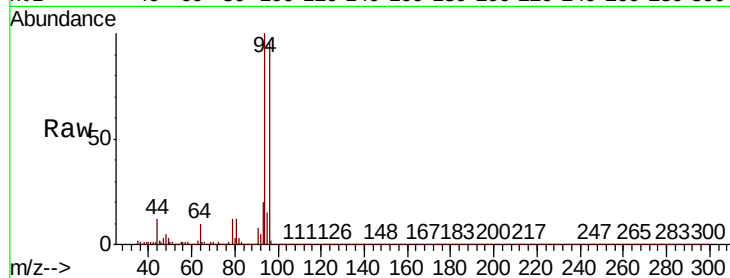
ClientSampled :

Tot Ion: 94 Resp: 124228

Ion Ratio Lower Upper

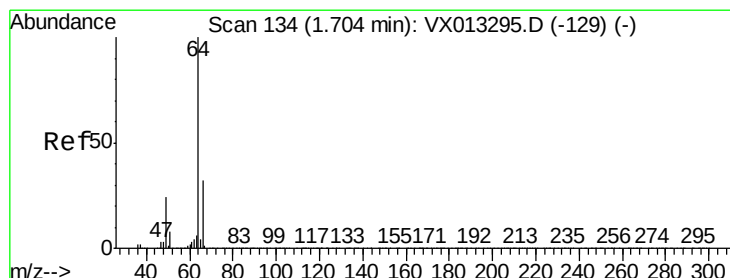
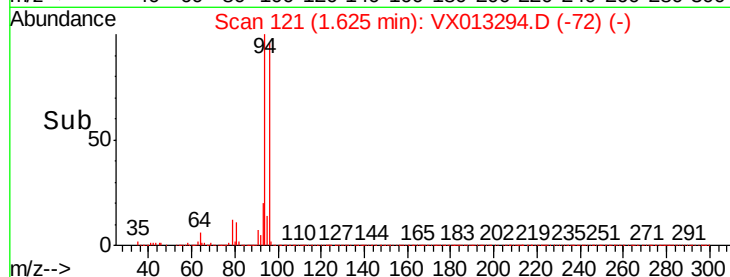
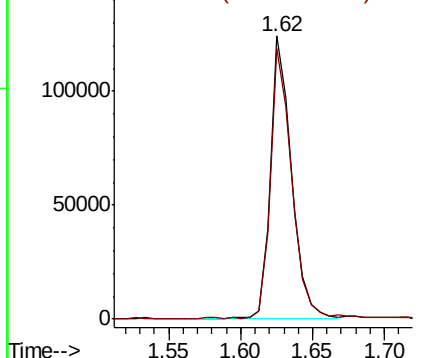
94 100

96 95.7 75.8 113.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 26.679 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX013294.D

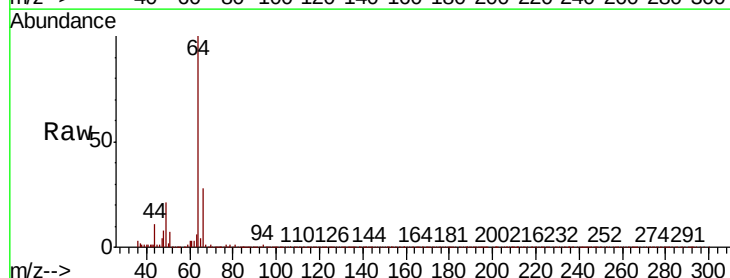
Acq: 31 Oct 2019 17:05

Tgt Ion: 64 Resp: 123896

Ion Ratio Lower Upper

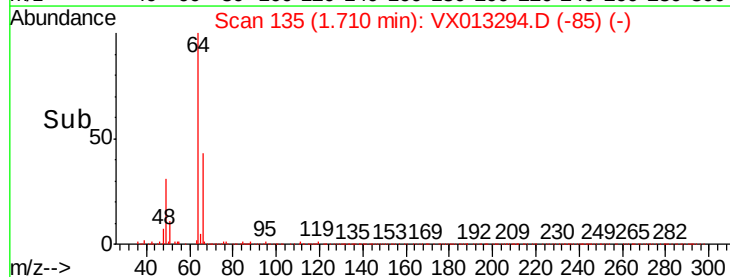
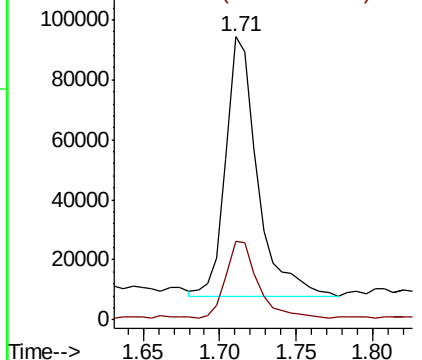
64 100

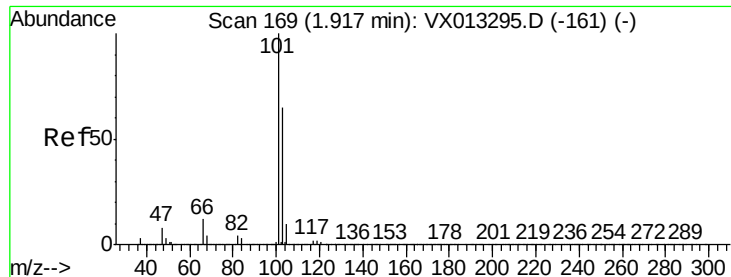
66 29.6 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



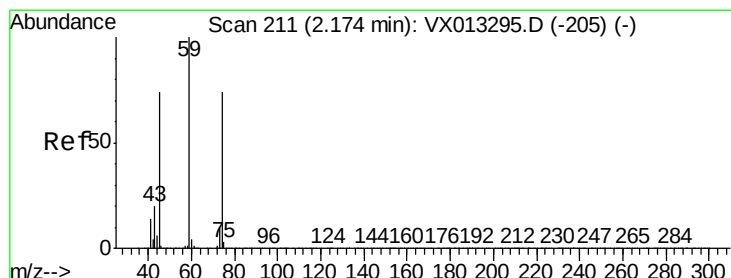
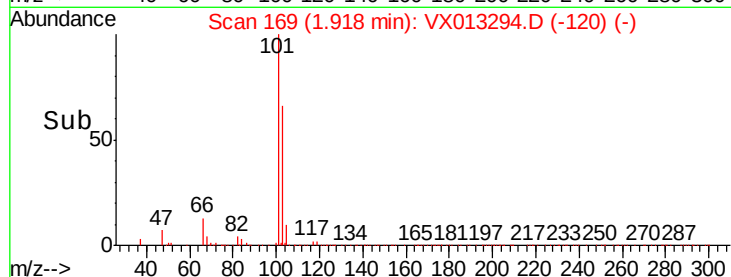
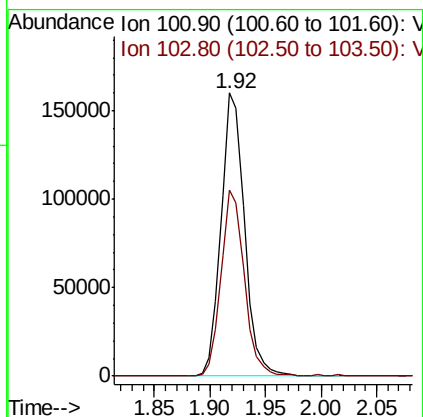
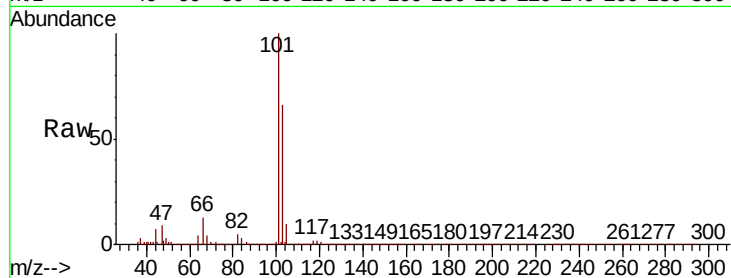


#7

Trichlorofluoromethane
Concen: 20.158 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Instrument :
MSVOA_X
ClientSampleId :

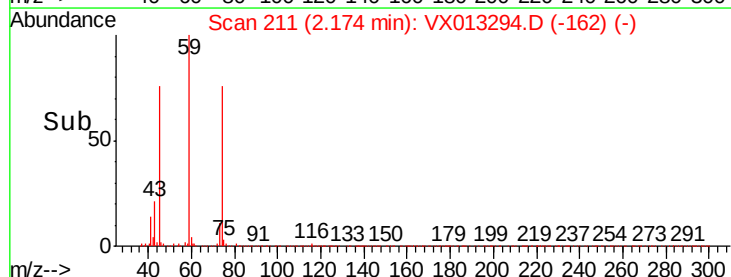
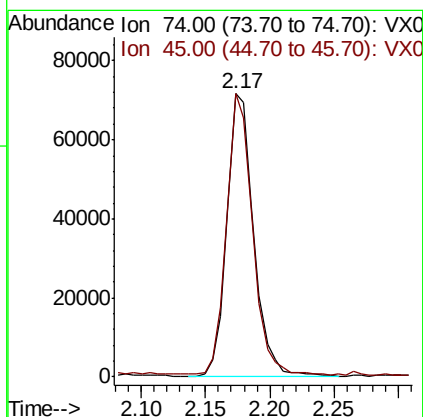
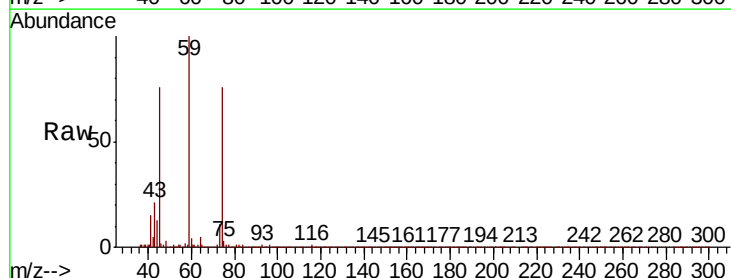
Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.3	78.5

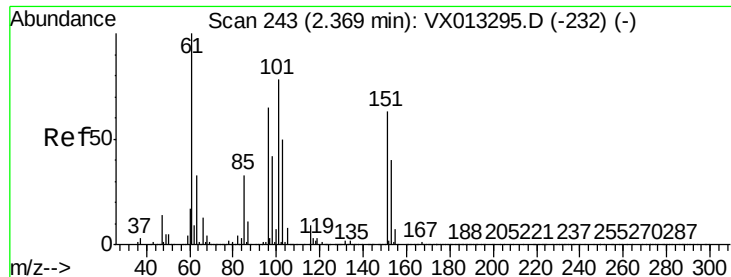


#8

Diethyl Ether
Concen: 24.748 ug/l
RT: 2.17 min Scan# 211
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.9	48.5	145.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.556 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

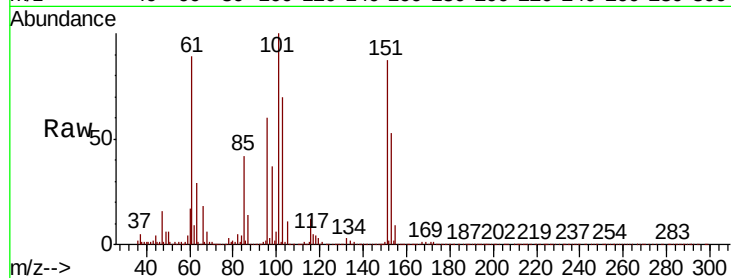
Tot Ion:101 Resp: 129153

Ion Ratio Lower Upper

101 100

85 44.9 34.4 51.6

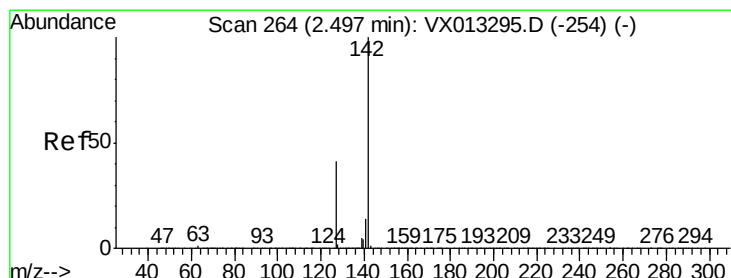
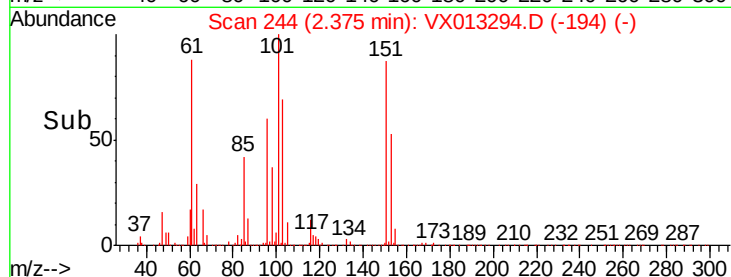
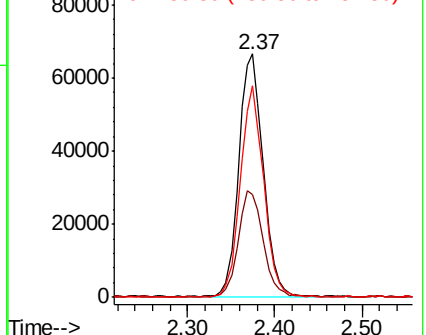
151 82.7 66.4 99.6



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: 18.219 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

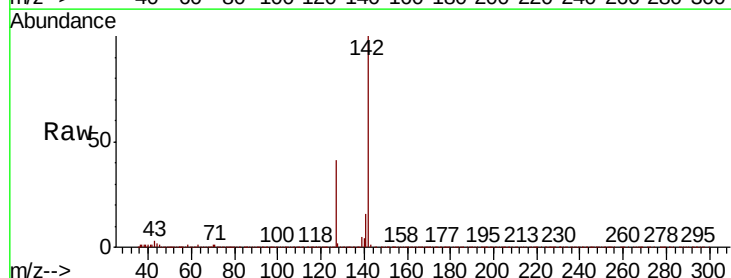
Tgt Ion:142 Resp: 155636

Ion Ratio Lower Upper

142 100

127 40.1 32.6 49.0

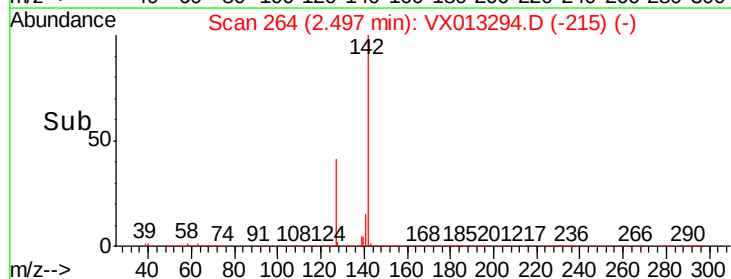
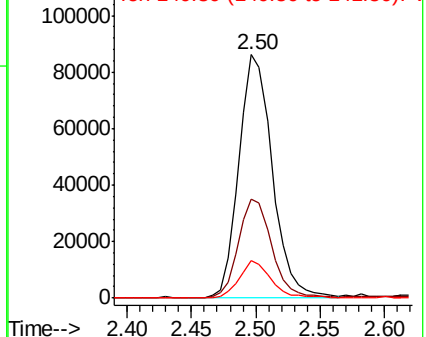
141 14.2 11.6 17.4

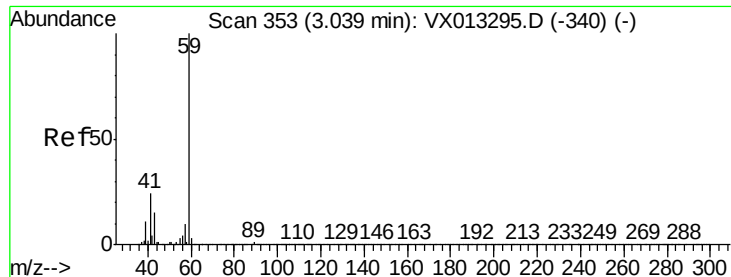


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



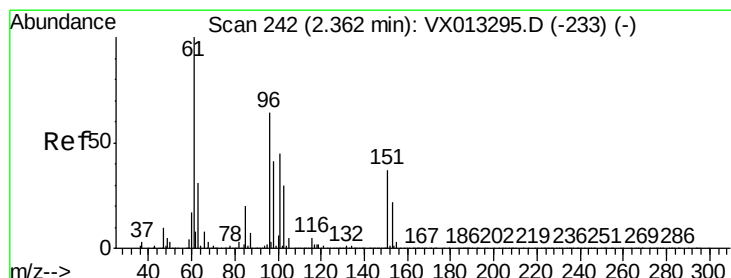
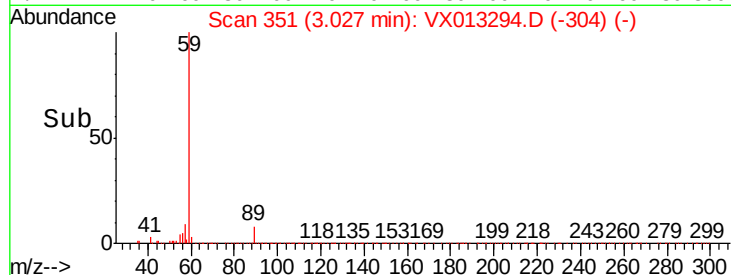
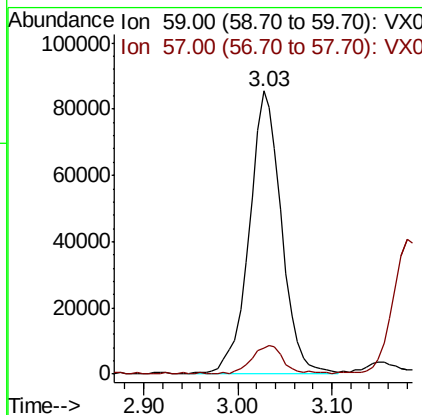
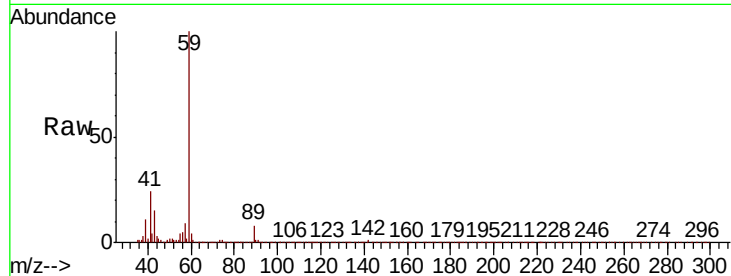


#11

Tert butyl alcohol
 Concen: 109.381 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VX013294.D
 Acq: 31 Oct 2019 17:05

Instrument :
 MSVOA_X
 ClientSampled :

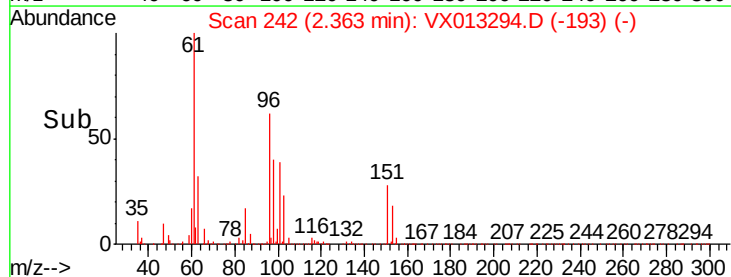
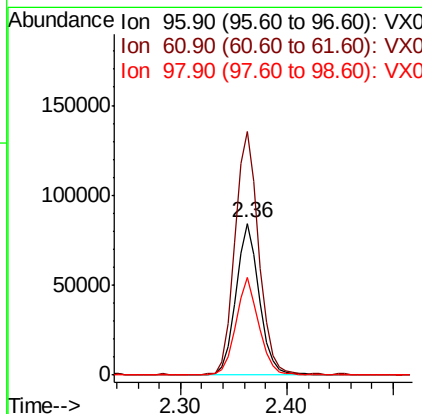
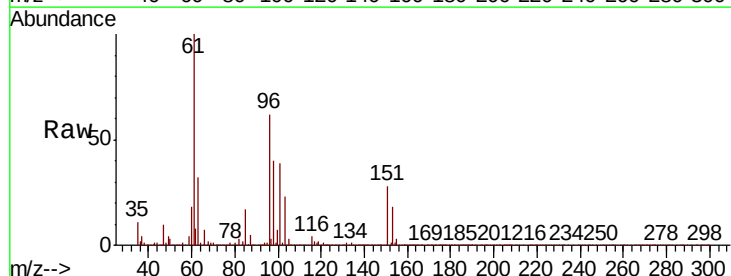
Tot Ion: 59 Resp: 205601
 Ion Ratio Lower Upper
 59 100
 57 9.3 8.0 12.0

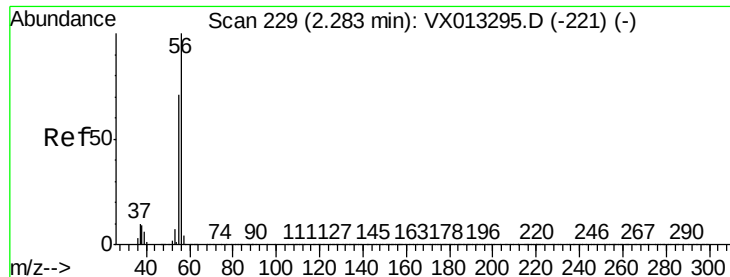


#12

1,1-Dichloroethene
 Concen: 20.092 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX013294.D
 Acq: 31 Oct 2019 17:05

Tgt Ion: 96 Resp: 130425
 Ion Ratio Lower Upper
 96 100
 61 159.6 125.0 187.6
 98 64.0 50.7 76.1





#13

Acrolein

Concen: 107.977 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

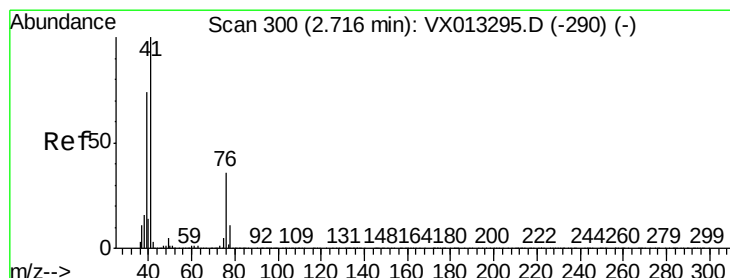
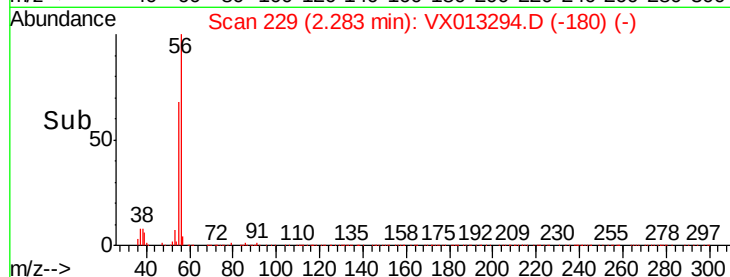
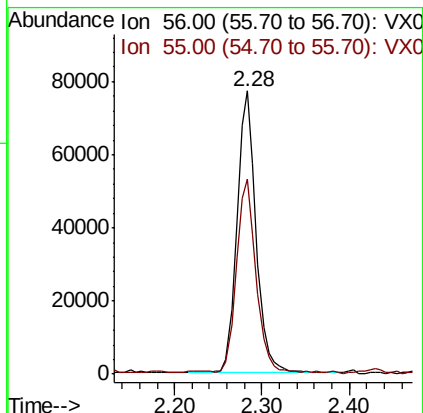
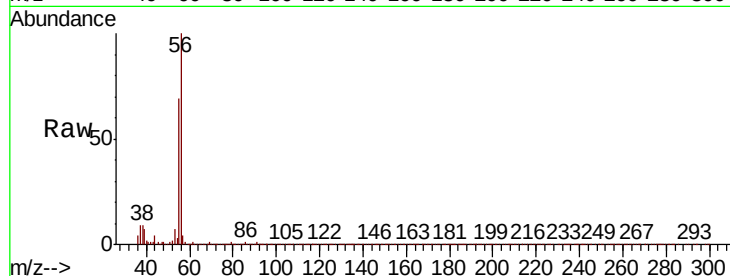
ClientSampleId :

Tot Ion: 56 Resp: 117502

Ion Ratio Lower Upper

56 100

55 70.4 57.4 86.0



#14

Allyl chloride

Concen: 23.385 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

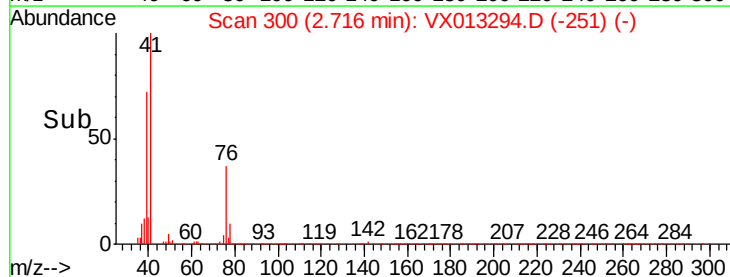
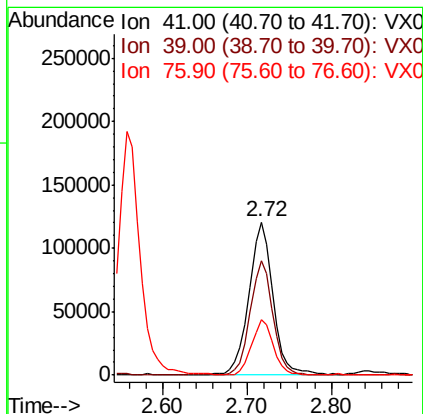
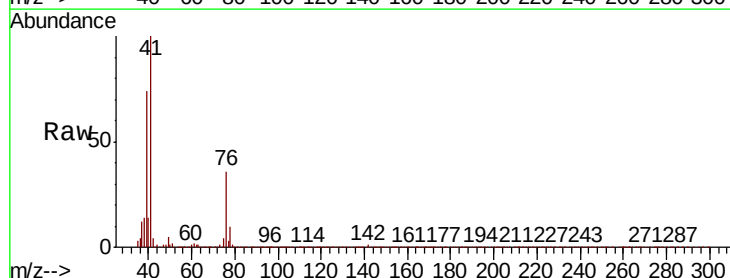
Tgt Ion: 41 Resp: 230296

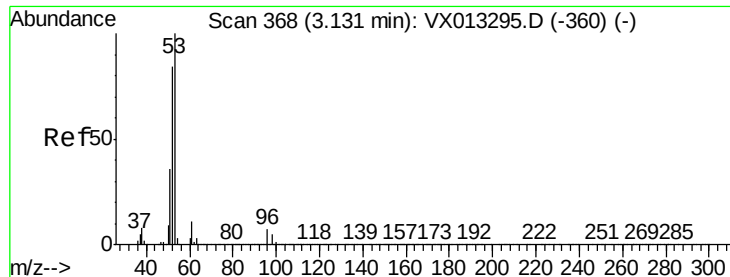
Ion Ratio Lower Upper

41 100

39 70.1 55.8 83.8

76 32.8 26.4 39.6





#15

Acrylonitrile

Concen: 111.621 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

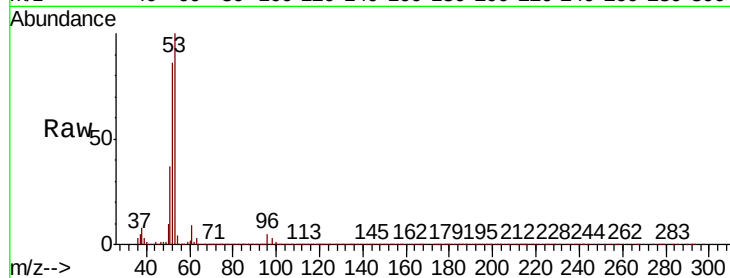
Tot Ion: 53 Resp: 421119

Ion Ratio Lower Upper

53 100

52 84.2 67.4 101.0

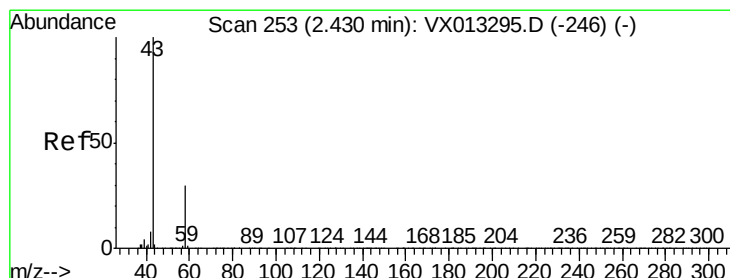
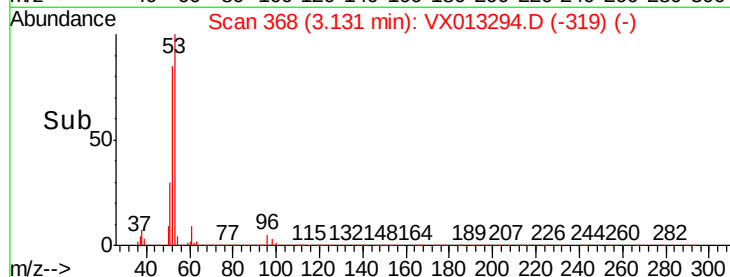
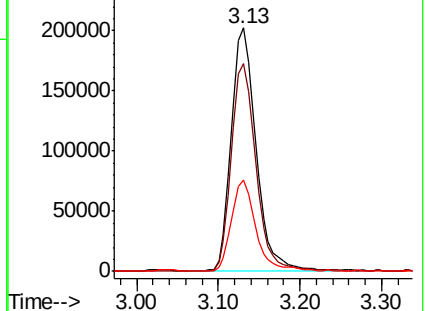
51 36.9 29.4 44.2



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: 120.185 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013294.D

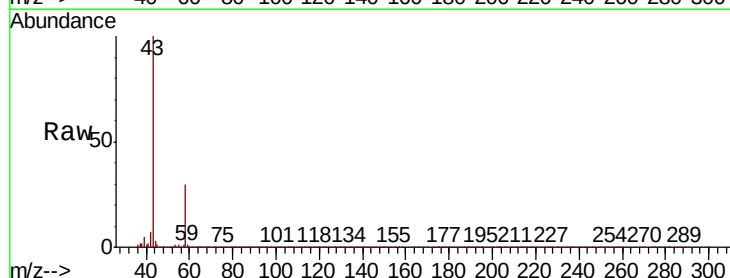
Acq: 31 Oct 2019 17:05

Tgt Ion: 43 Resp: 437194

Ion Ratio Lower Upper

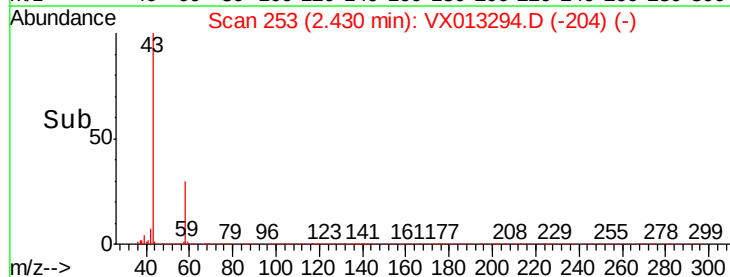
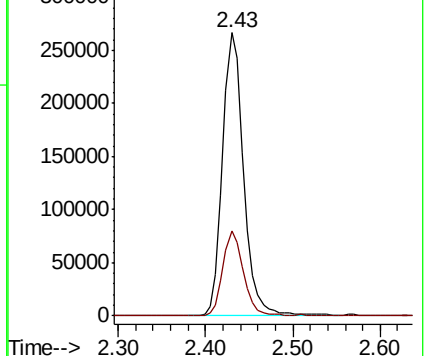
43 100

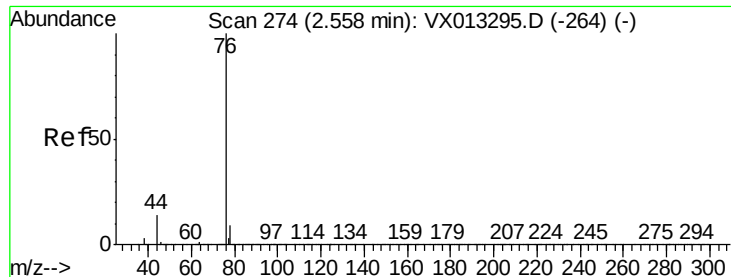
58 30.0 24.3 36.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 20.262 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

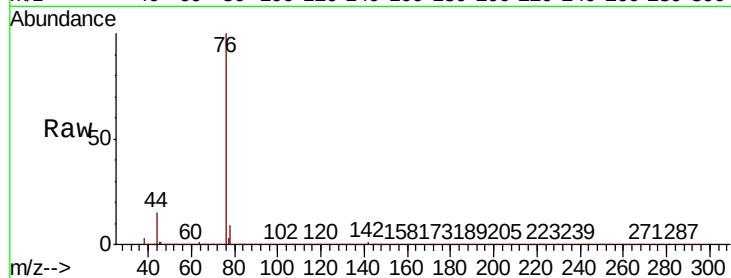
ClientSampleId :

Tot Ion: 76 Resp: 339865

Ion Ratio Lower Upper

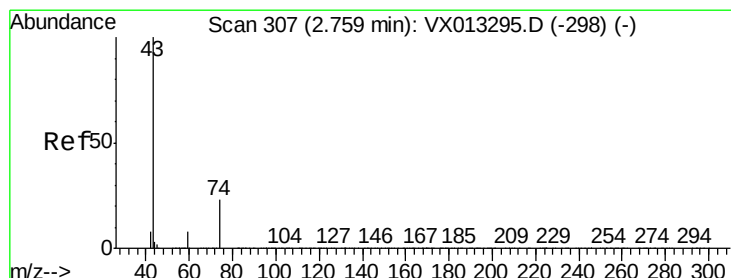
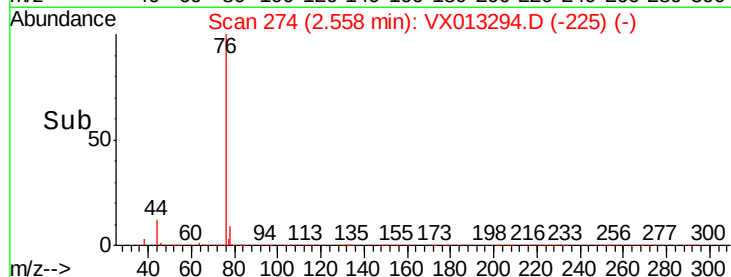
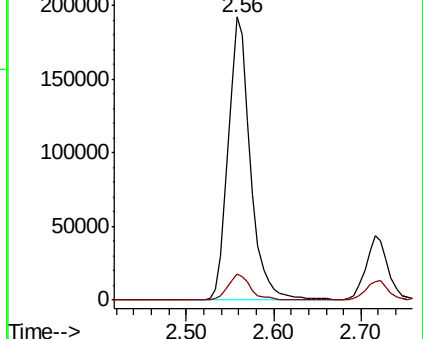
76 100

78 9.0 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 26.443 ug/l

RT: 2.76 min Scan# 307

Delta R.T. 0.00 min

Lab File: VX013294.D

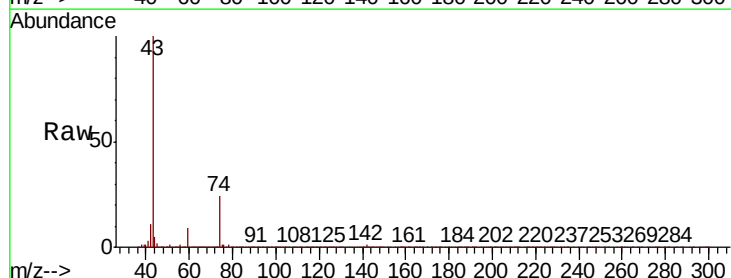
Acq: 31 Oct 2019 17:05

Tgt Ion: 43 Resp: 231528

Ion Ratio Lower Upper

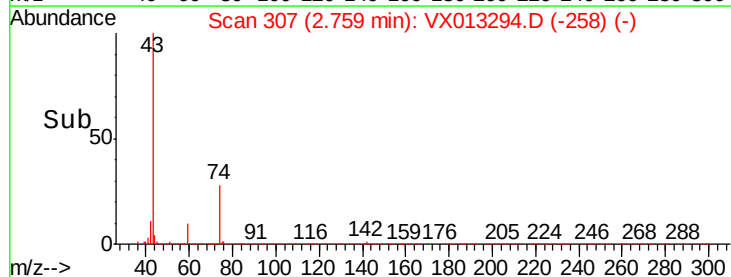
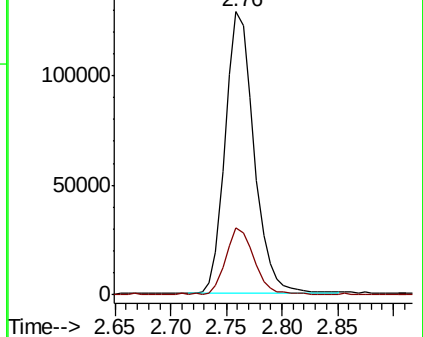
43 100

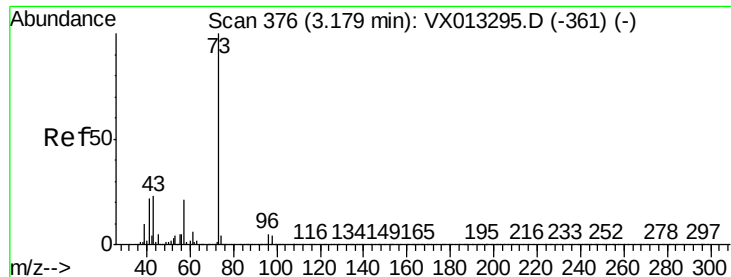
74 22.9 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



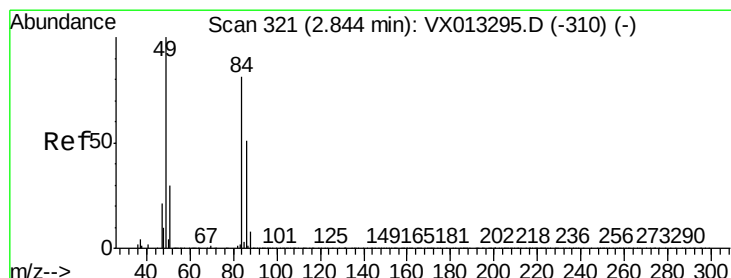
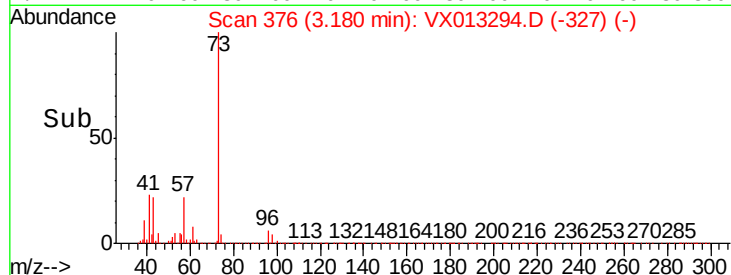
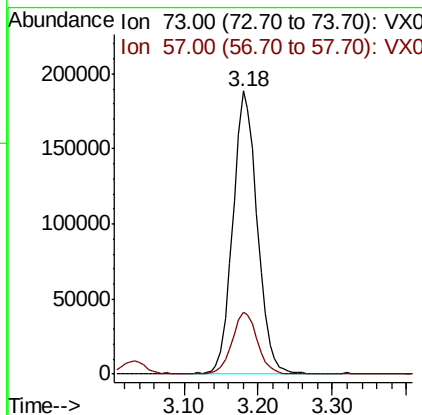
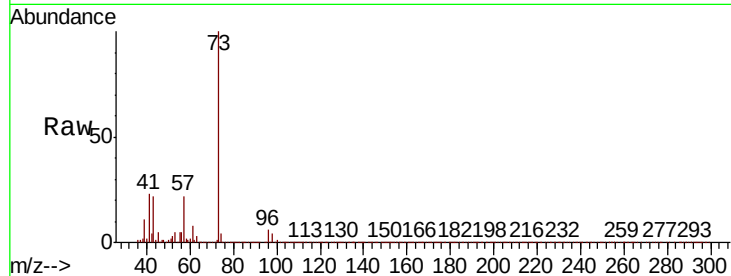


#19

Methyl tert-butyl Ether
 Concen: 20.356 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VX013294.D
 Acq: 31 Oct 2019 17:05

Instrument :
 MSVOA_X
 ClientSampleId :

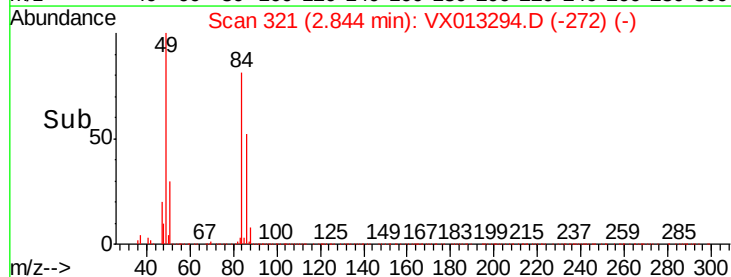
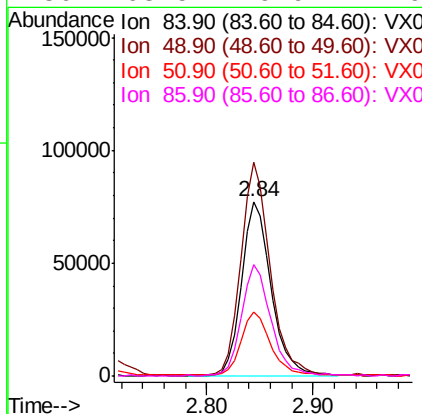
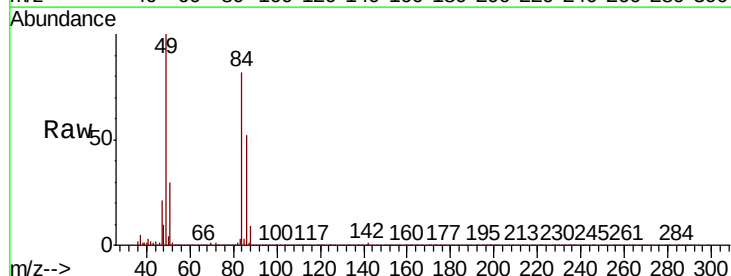
Tot Ion: 73 Resp: 432581
 Ion Ratio Lower Upper
 73 100
 57 21.5 17.1 25.7

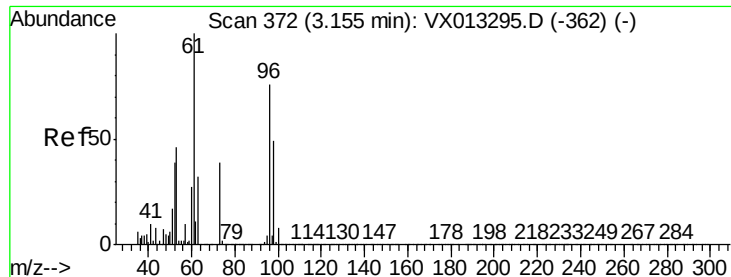


#20

Methylene Chloride
 Concen: 20.208 ug/l
 RT: 2.84 min Scan# 321
 Delta R.T. 0.00 min
 Lab File: VX013294.D
 Acq: 31 Oct 2019 17:05

Tgt Ion: 84 Resp: 150839
 Ion Ratio Lower Upper
 84 100
 49 122.1 98.2 147.4
 51 36.5 29.9 44.9
 86 63.5 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 19.890 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

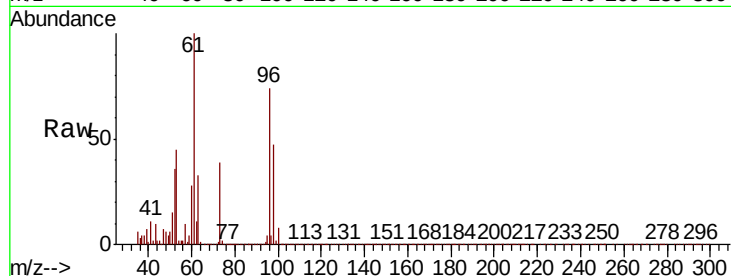
Tot Ion: 96 Resp: 137746

Ion Ratio Lower Upper

96 100

61 134.7 105.8 158.6

98 63.4 51.8 77.6

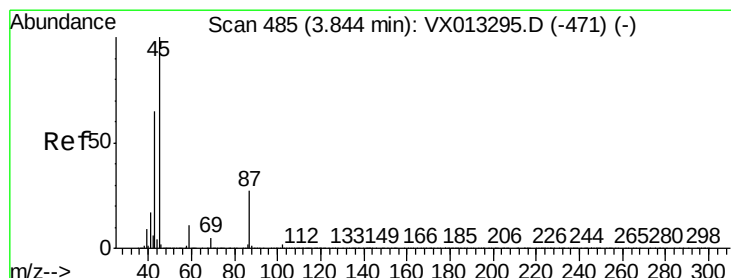
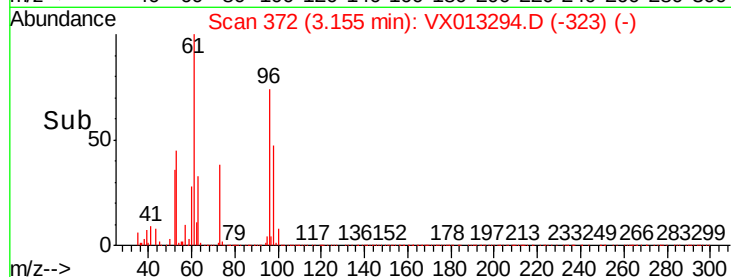
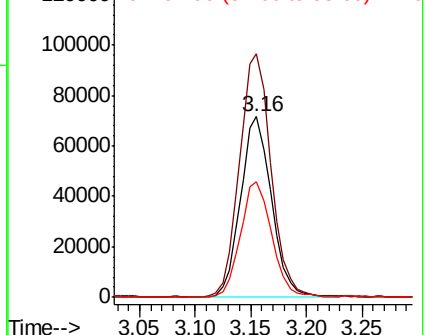


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 22.167 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Tgt Ion: 45 Resp: 456814

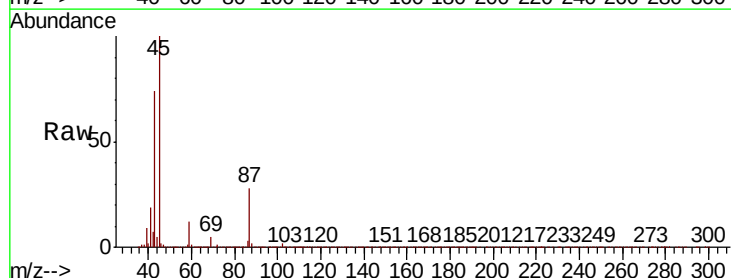
Ion Ratio Lower Upper

45 100

43 73.6 54.2 81.2

87 27.7 21.8 32.8

59 11.3 8.5 12.7



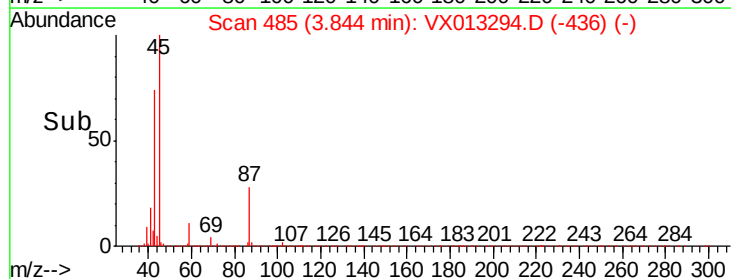
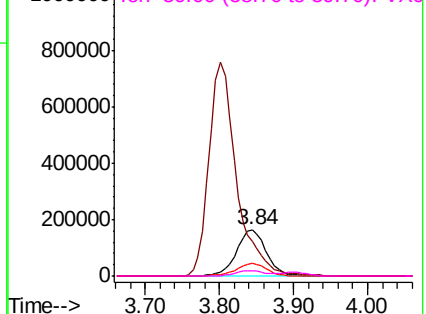
Abundance

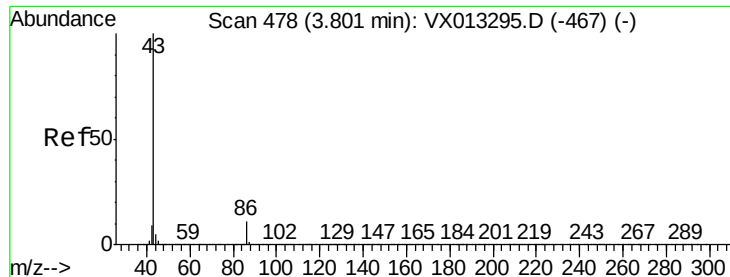
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 112.400 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

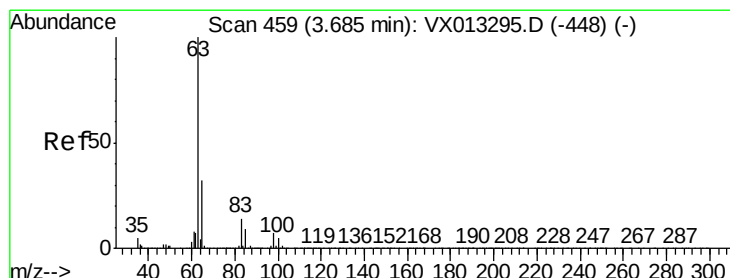
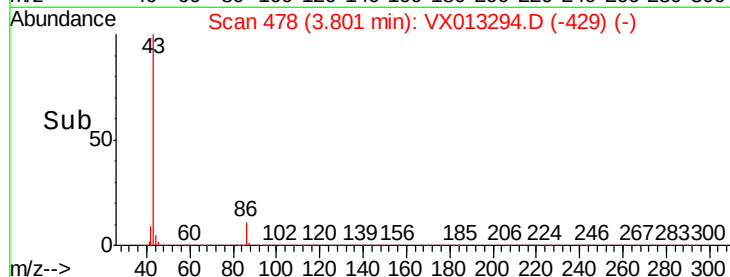
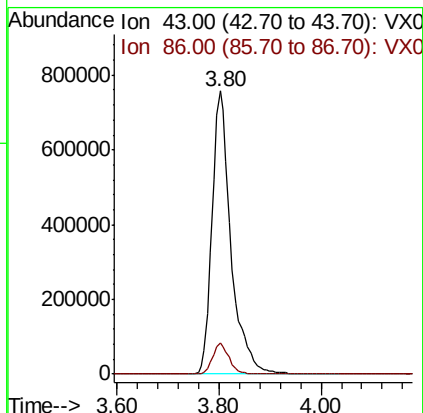
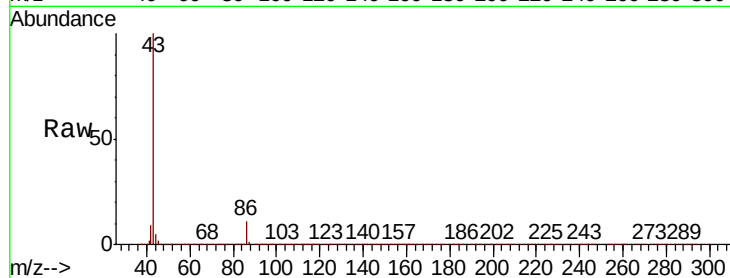
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 1951056

Ion Ratio Lower Upper

43 100

86 10.9 8.6 13.0



#24

1,1-Dichloroethane

Concen: 21.363 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

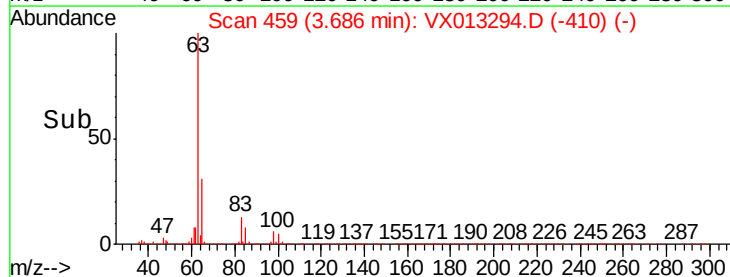
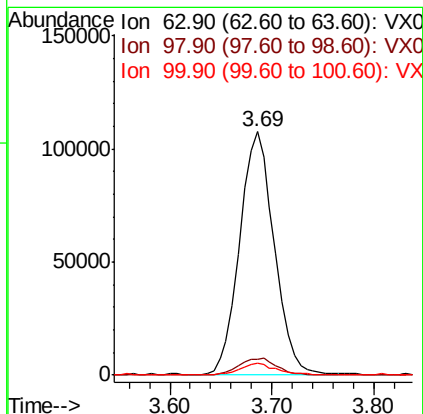
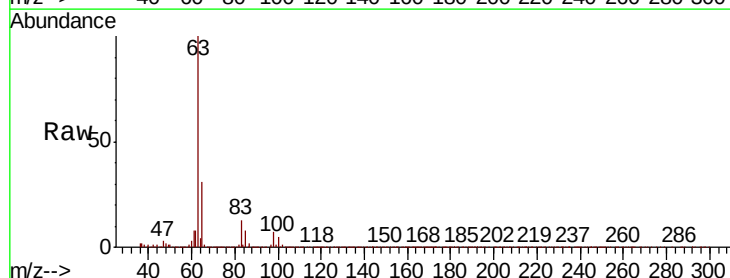
Tgt Ion: 63 Resp: 252460

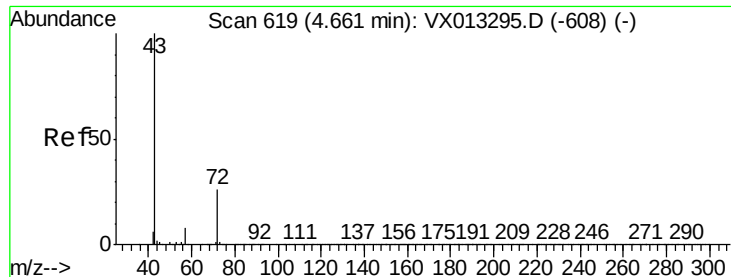
Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.4

100 4.8 2.4 7.2





#25

2-Butanone

Concen: 119.219 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

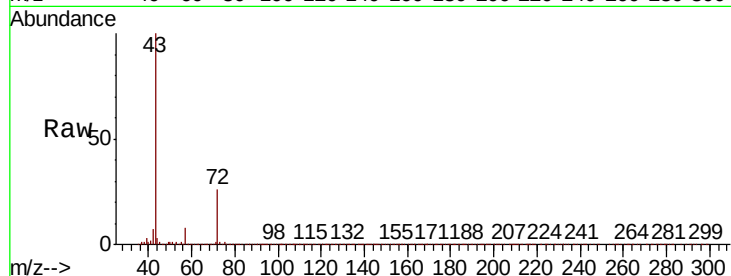
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 627138

Ion Ratio Lower Upper

43 100

72 25.9 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

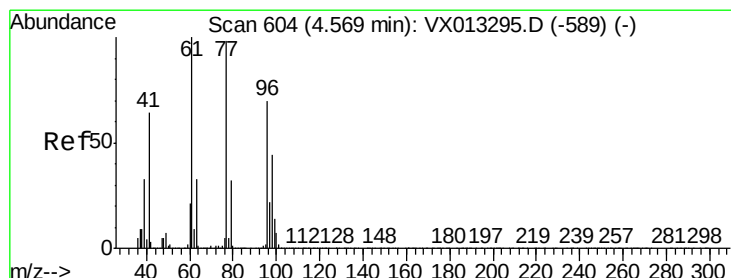
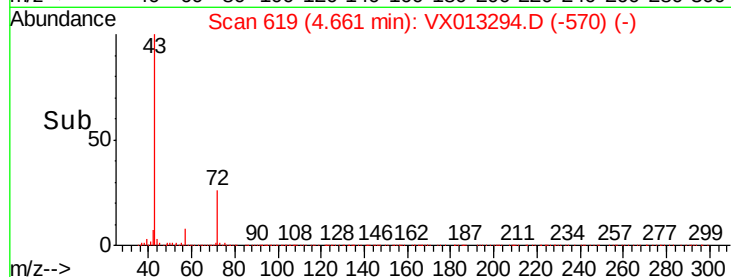
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 20.835 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX013294.D

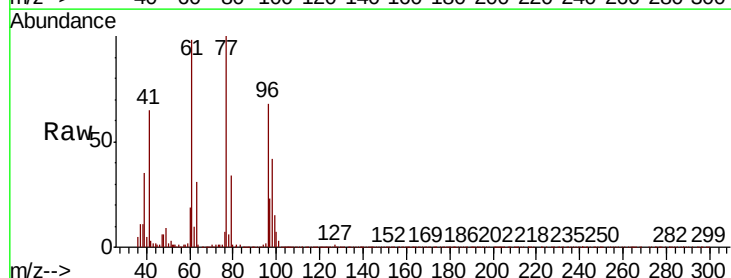
Acq: 31 Oct 2019 17:05

Tgt Ion: 77 Resp: 200502

Ion Ratio Lower Upper

77 100

97 23.9 11.3 33.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

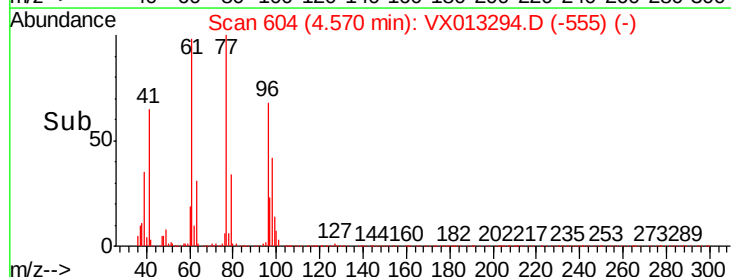
40000

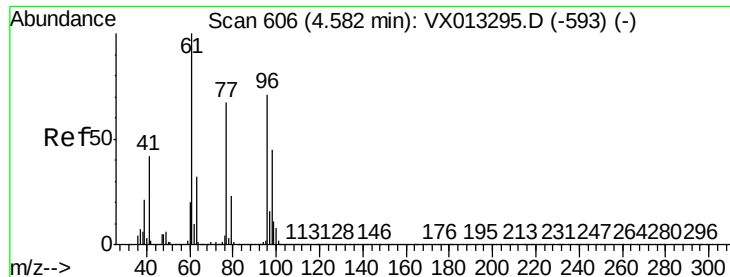
20000

0

4.40 4.50 4.60 4.70

Time-->



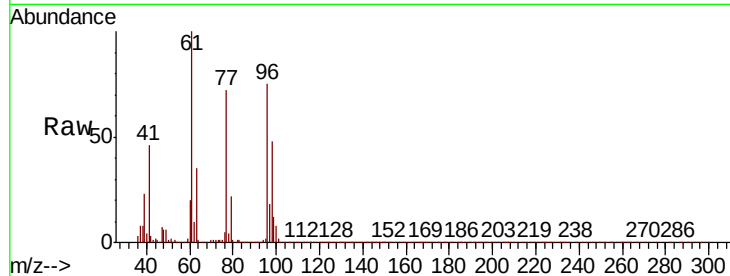


#27

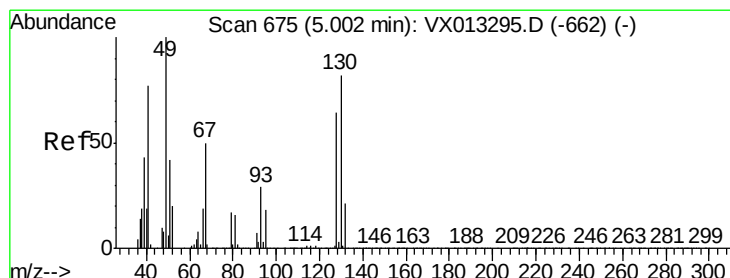
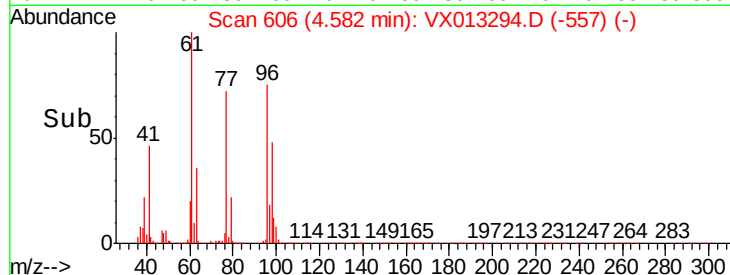
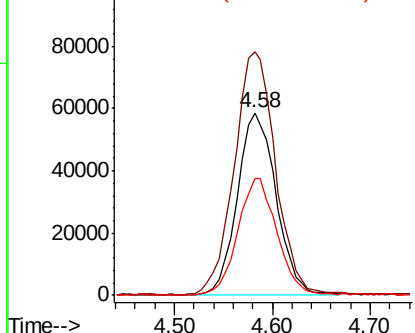
cis-1,2-Dichloroethene
Concen: 19.922 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Instrument :
MSVOA_X
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.6	0.0	288.0
98	65.0	0.0	129.6



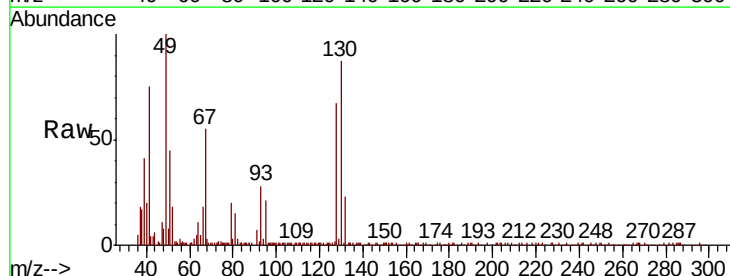
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



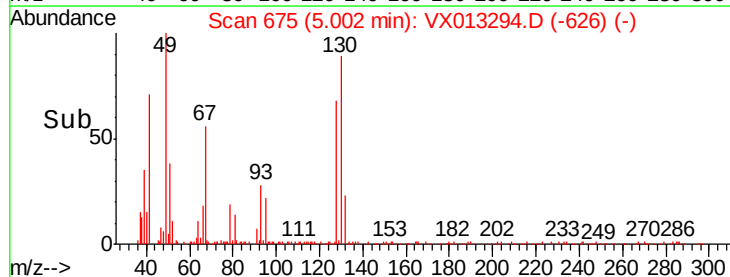
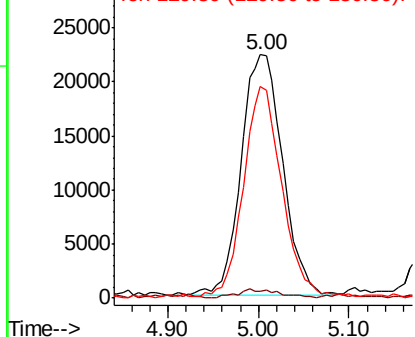
#28

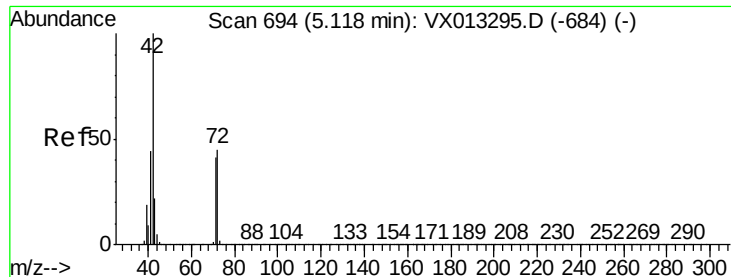
Bromochloromethane
Concen: 13.552 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	5.2
130	80.7	63.8	95.6



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

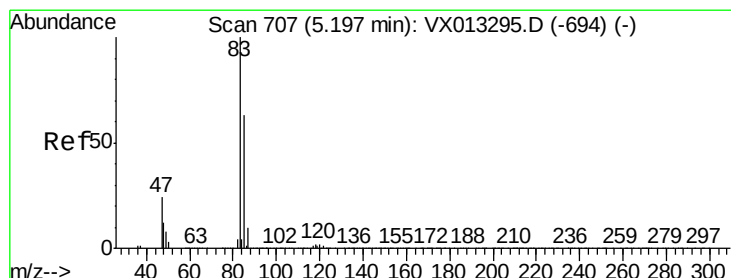
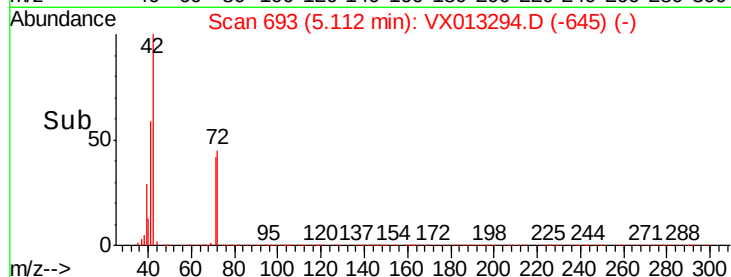
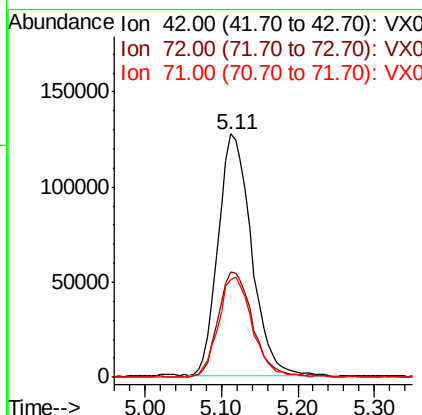
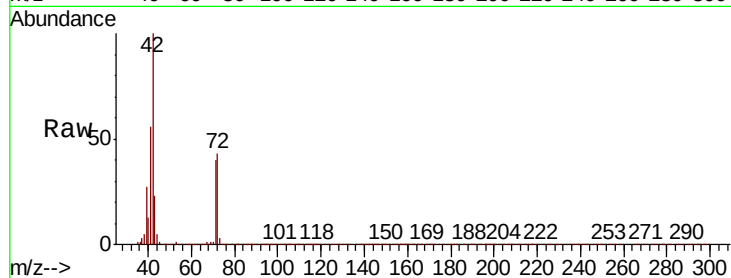




#29
Tetrahydrofuran
Concen: 114.990 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.01 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

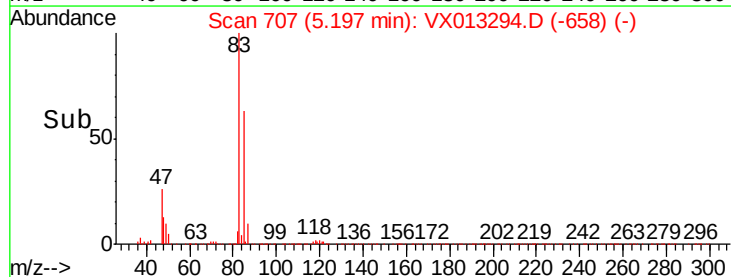
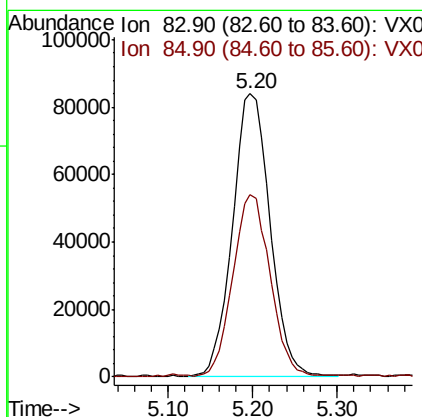
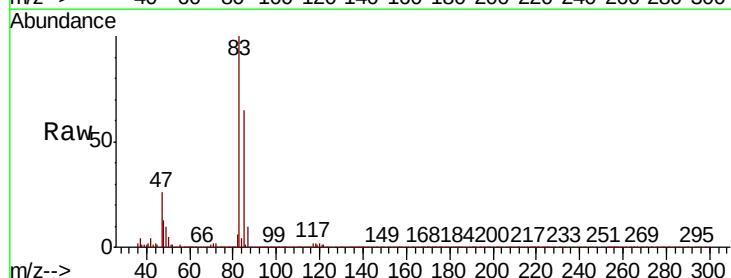
Instrument :
MSVOA_X
ClientSampleId :

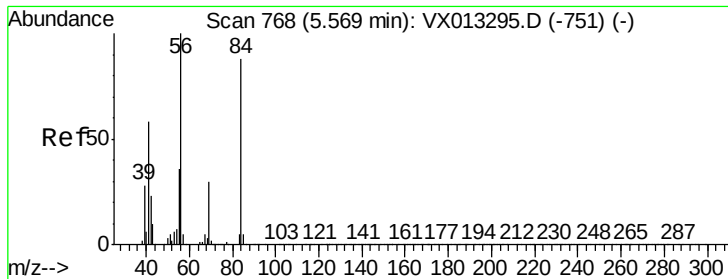
Tot Ion: 42 Resp: 383630
Ion Ratio Lower Upper
42 100
72 44.9 35.8 53.8
71 42.1 33.4 50.0



#30
Chloroform
Concen: 20.030 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Tgt Ion: 83 Resp: 252518
Ion Ratio Lower Upper
83 100
85 64.2 50.2 75.4

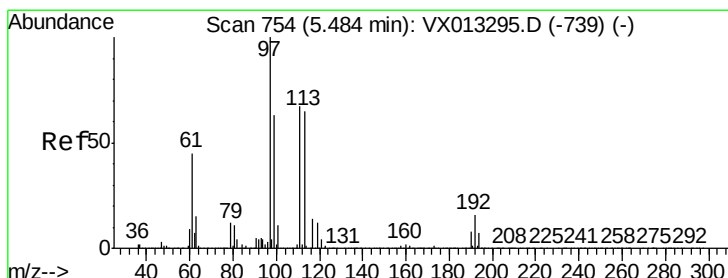
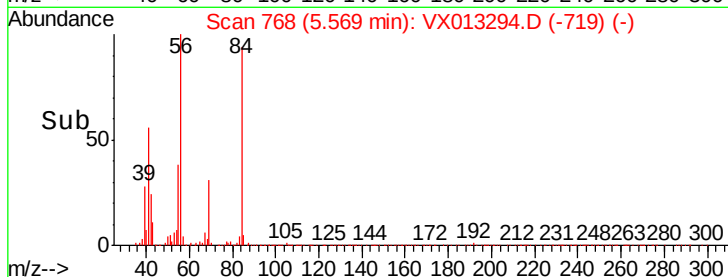
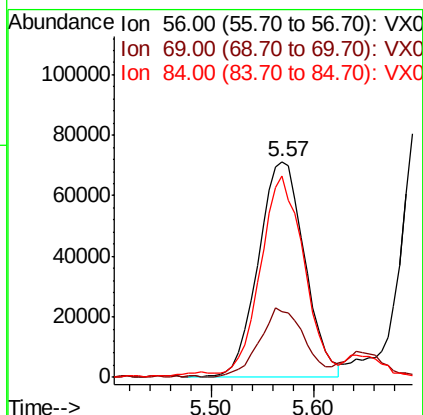
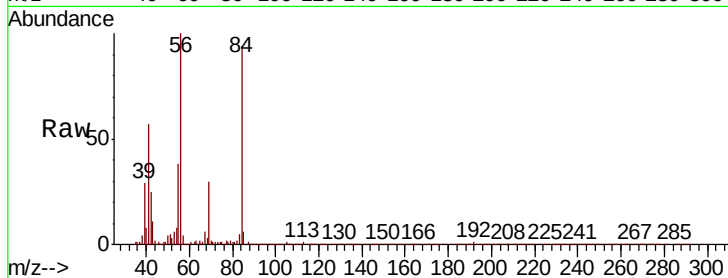




#31
Cyclohexane
Concen: 20.900 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

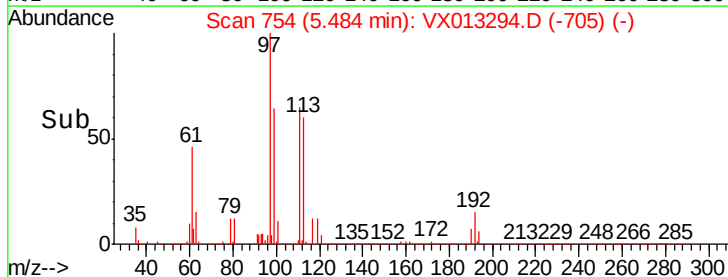
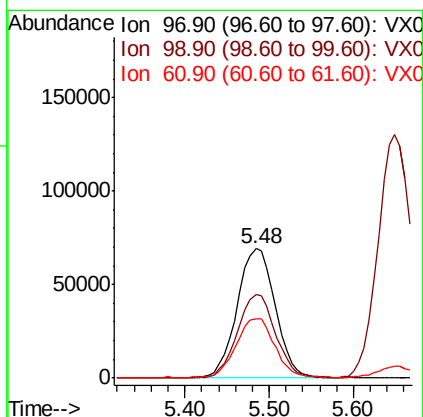
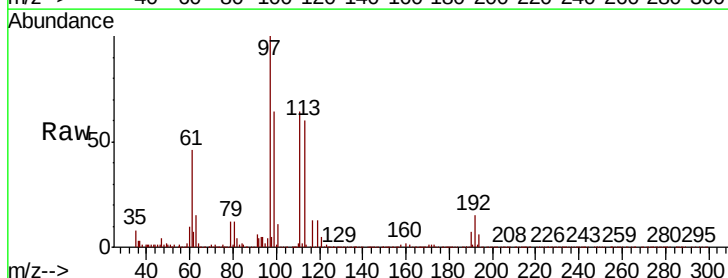
Instrument :
MSVOA_X
ClientSampled :

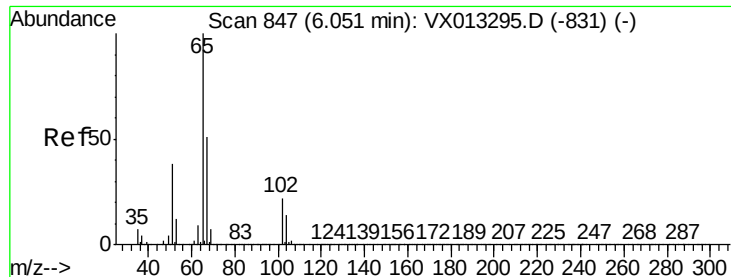
Tot Ion: 56 Resp: 224753
Ion Ratio Lower Upper
56 100
69 29.9 23.7 35.5
84 91.3 70.6 105.8



#32
1,1,1-Trichloroethane
Concen: 19.492 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Tgt Ion: 97 Resp: 211087
Ion Ratio Lower Upper
97 100
99 64.9 51.1 76.7
61 47.8 36.5 54.7

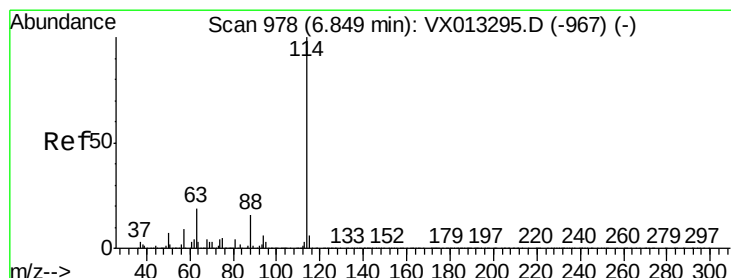
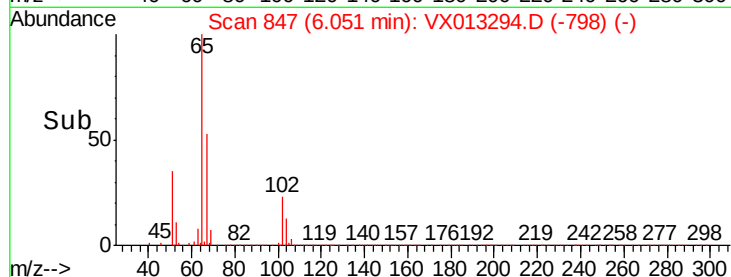
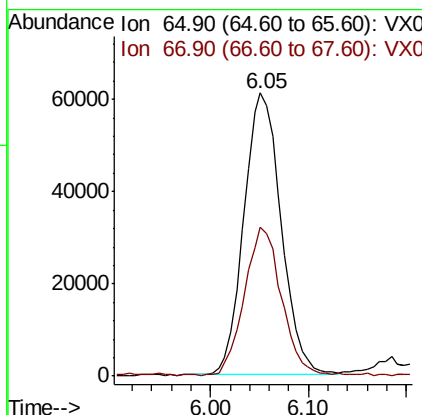
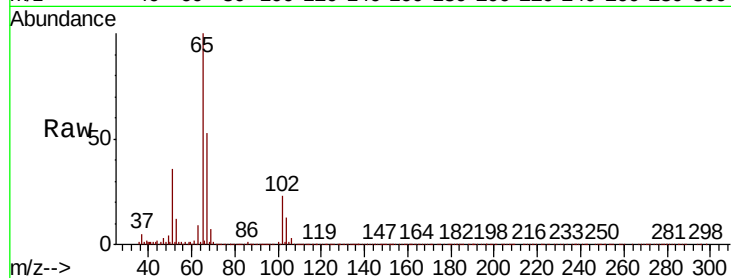




#33
 1,2-Dichloroethane-d4
 Concen: 20.468 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX013294.D
 Acq: 31 Oct 2019 17:05

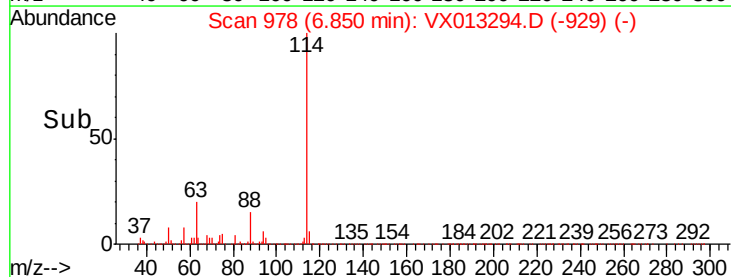
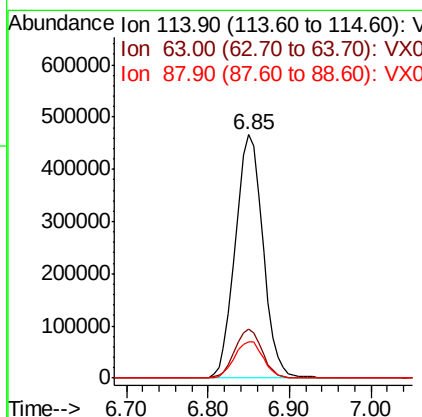
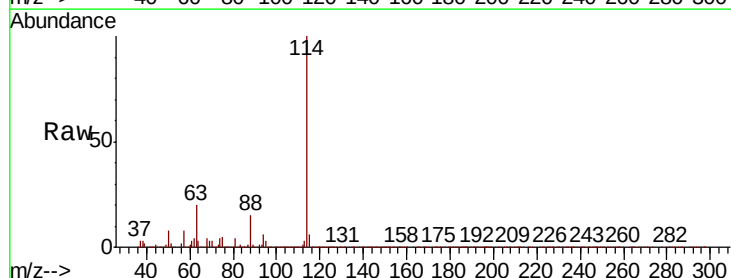
Instrument :
 MSVOA_X
 ClientSampleId :

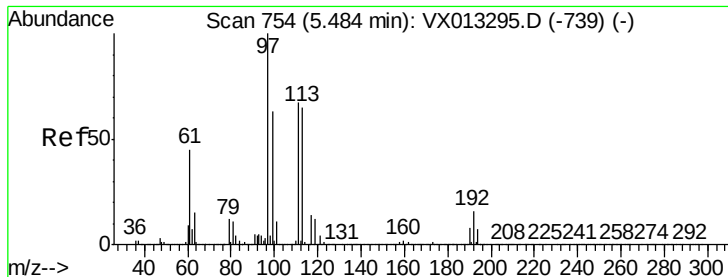
Tot Ion: 65 Resp: 161841
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013294.D
 Acq: 31 Oct 2019 17:05

Tgt Ion: 114 Resp: 1092004
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 38.4
 88 14.7 0.0 32.2





#35

Dibromofluoromethane

Concen: 18.483 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013294.D

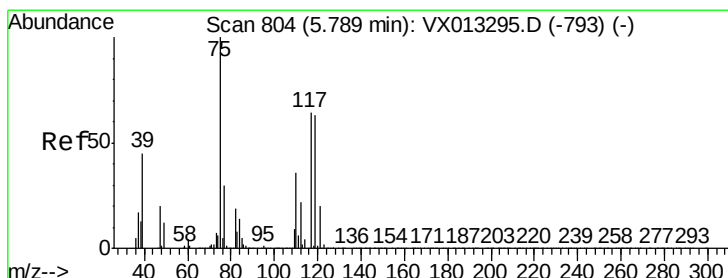
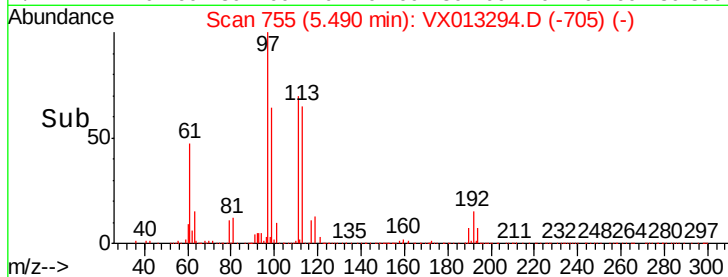
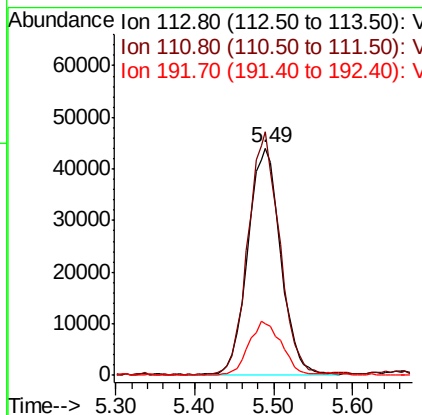
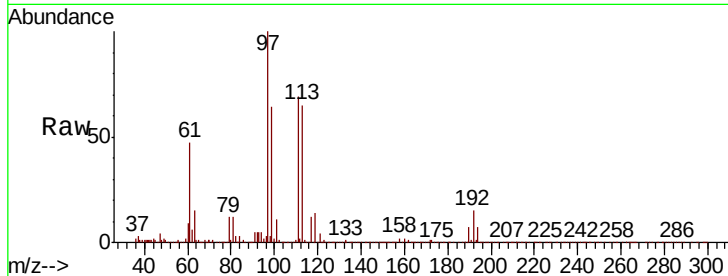
Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:113	Resp:	127897
Ion Ratio	Lower	Upper
113	100	
111	101.7	81.9 122.9
192	23.9	19.1 28.7



#36

1,1-Dichloropropene

Concen: 20.427 ug/l

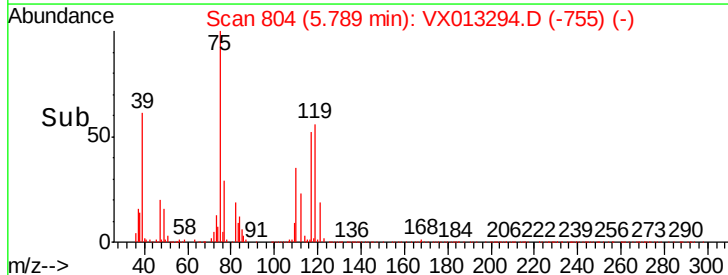
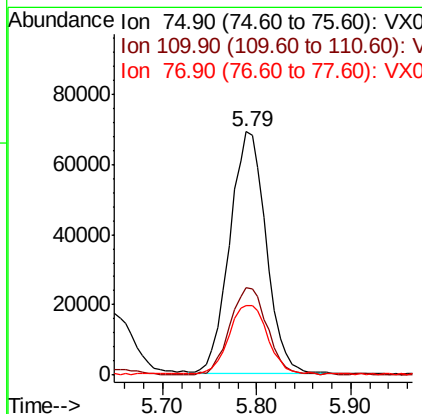
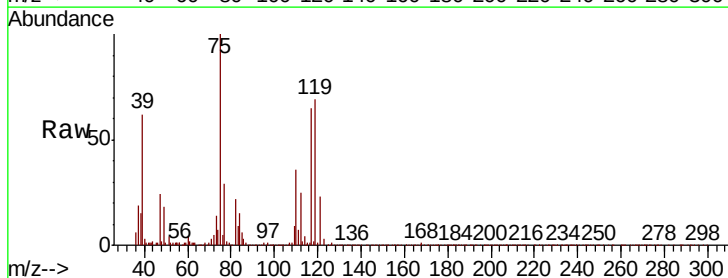
RT: 5.79 min Scan# 804

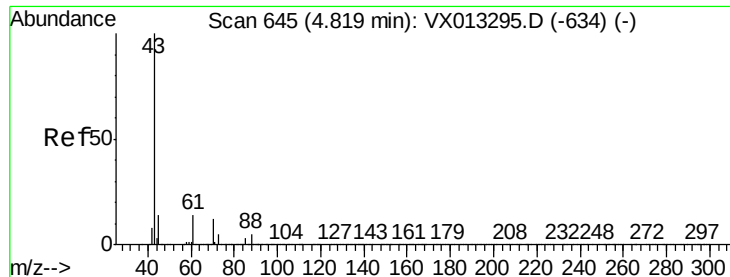
Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Tgt Ion: 75	Resp:	186458
Ion Ratio	Lower	Upper
75	100	
110	37.4	18.1 54.1
77	30.6	25.0 37.4

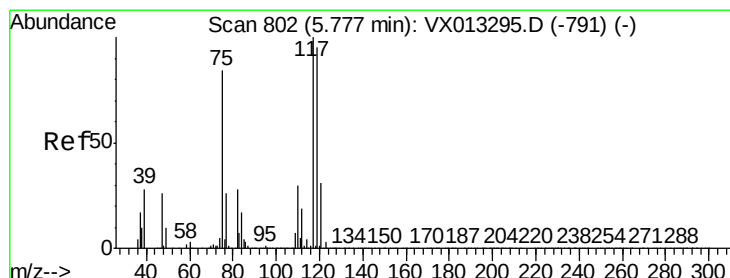
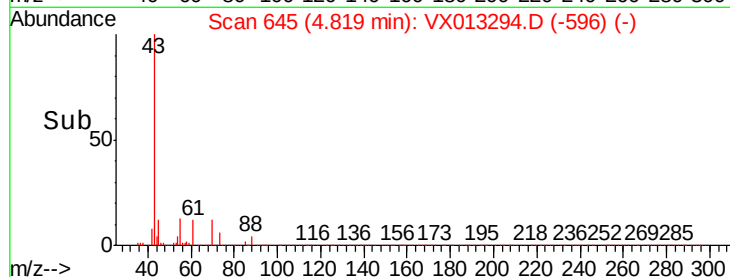
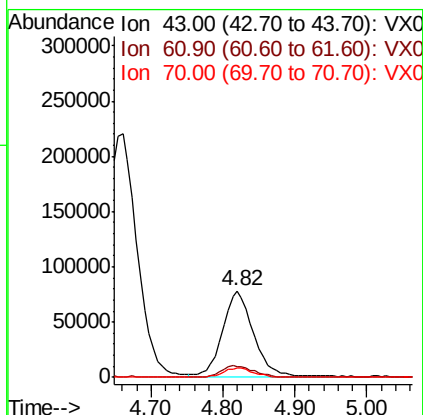
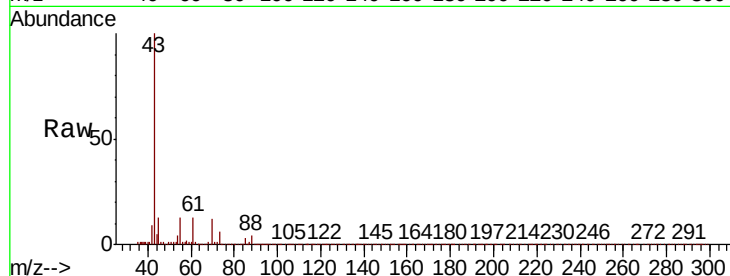




#37
Ethyl Acetate
Concen: 23.819 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

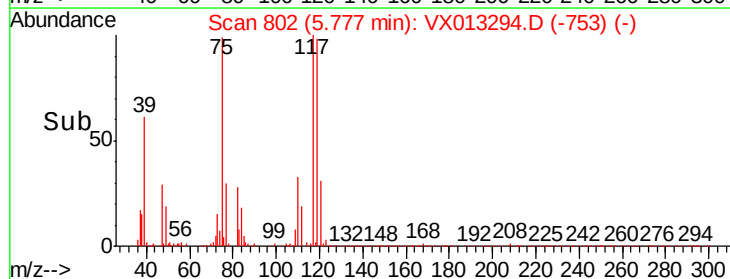
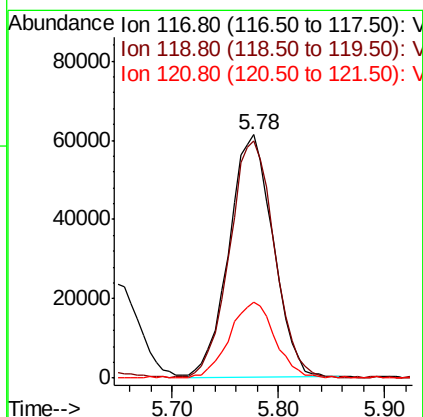
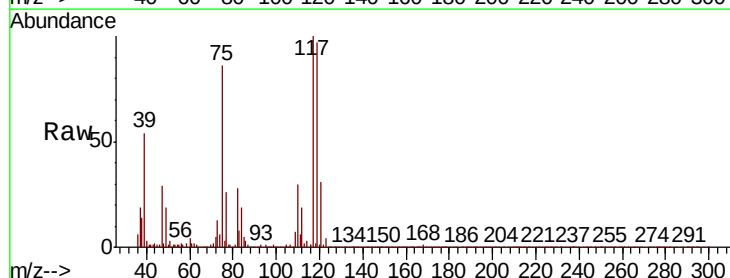
Instrument :
MSVOA_X
ClientSampled :

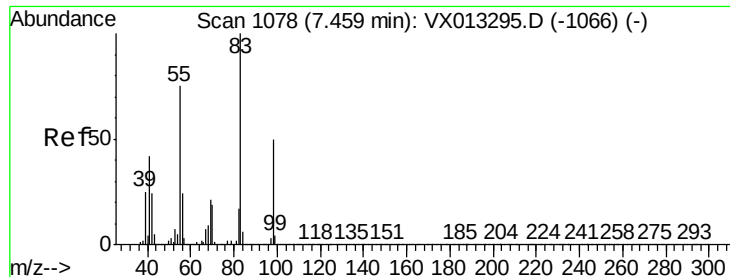
Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.7	16.1
70	10.7	8.7	13.1



#38
Carbon Tetrachloride
Concen: 18.921 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	76.1	114.1
121	31.0	24.6	37.0

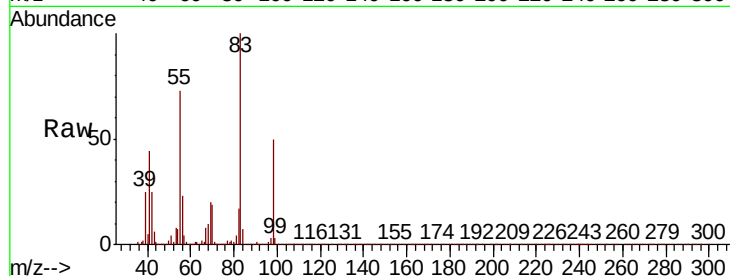




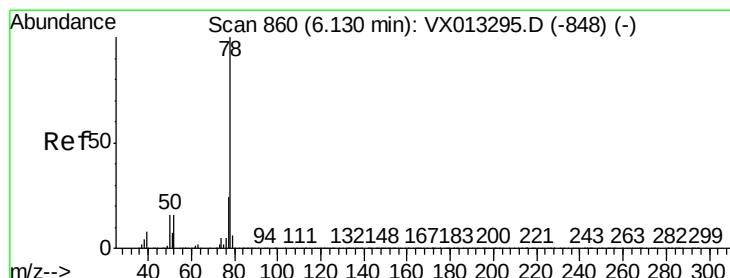
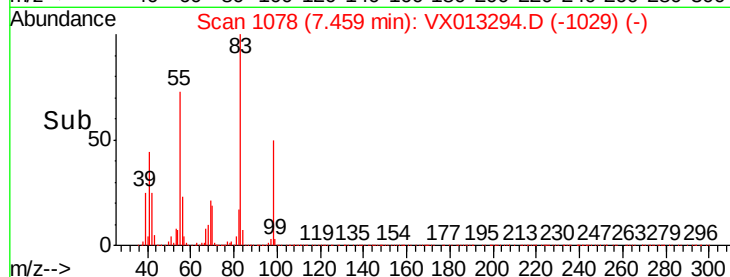
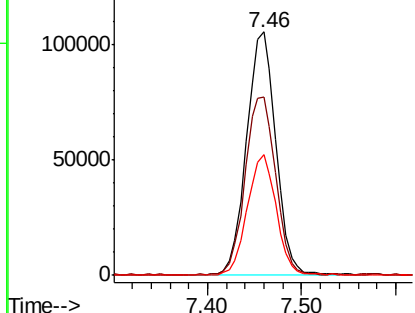
#39
Methylvlcyclohexane
Concen: 19.447 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Instrument :
MSVOA_X
ClientSampled :

Tot Ion	83.00	Resp	227106
Ion	Ratio	Lower	Upper
83	100		
55	73.1	60.3	90.5
98	49.6	40.3	60.5

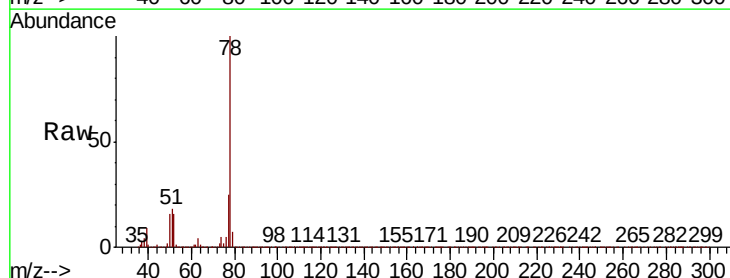


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

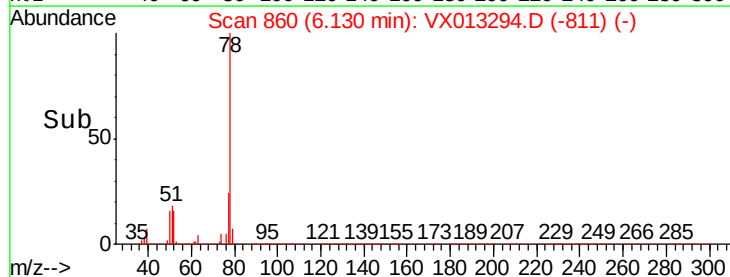
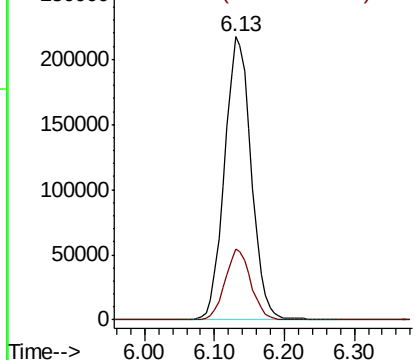


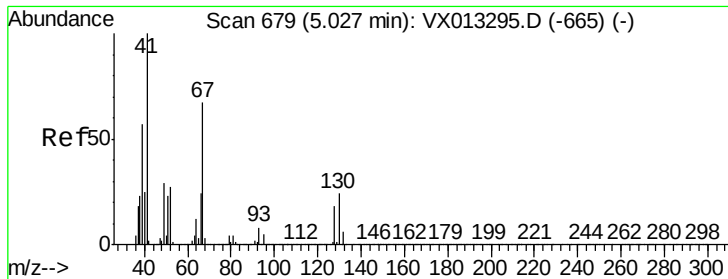
#40
Benzene
Concen: 20.523 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Tgt Ion	78	Resp	572244
Ion	Ratio	Lower	Upper
78	100		
77	25.1	19.5	29.3



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 22.578 ug/l

RT: 5.03 min Scan# 679

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 41 Resp: 124497

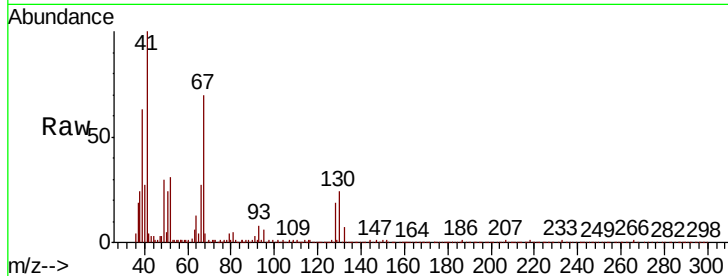
Ion Ratio Lower Upper

41 100

39 56.4 45.0 67.6

67 71.6 55.4 83.2

52 30.9 23.1 34.7

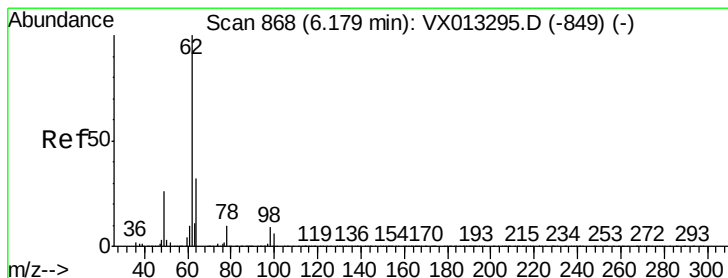
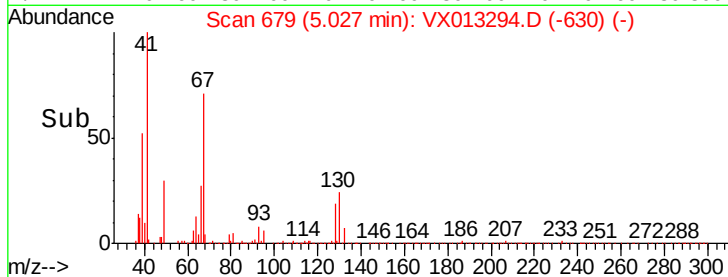
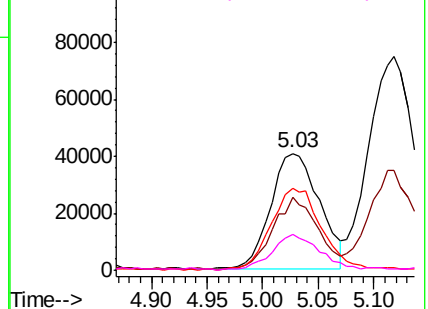


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 21.464 ug/l

RT: 6.19 min Scan# 869

Delta R.T. 0.01 min

Lab File: VX013294.D

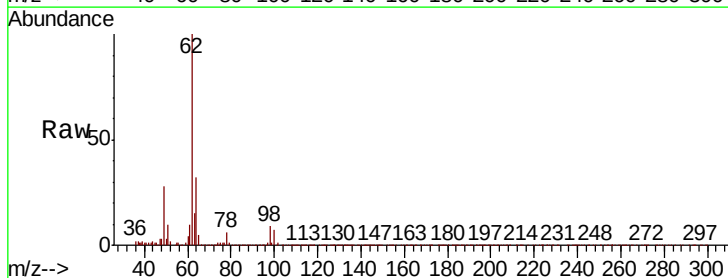
Acq: 31 Oct 2019 17:05

Tgt Ion: 62 Resp: 211658

Ion Ratio Lower Upper

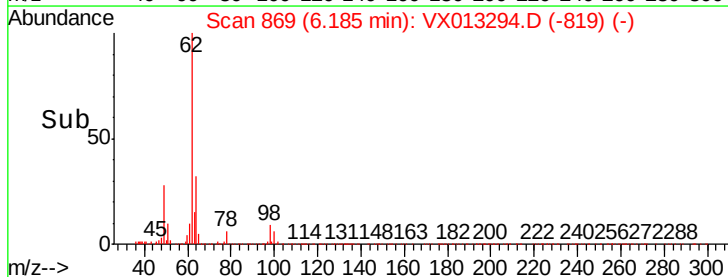
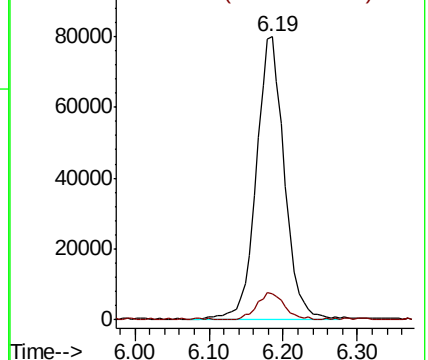
62 100

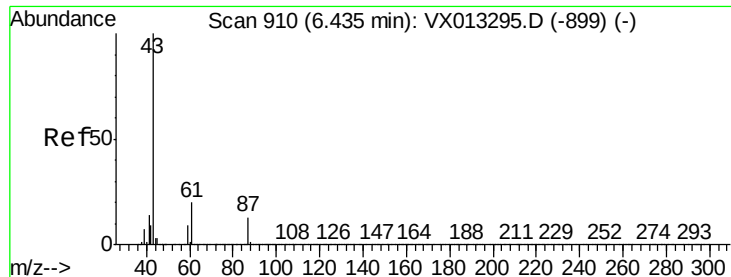
98 9.2 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 22.108 ug/l

RT: 6.44 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

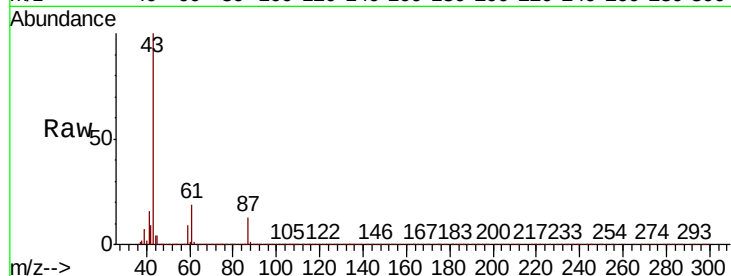
Tot Ion: 43 Resp: 349057

Ion Ratio Lower Upper

43 100

61 20.7 15.8 23.8

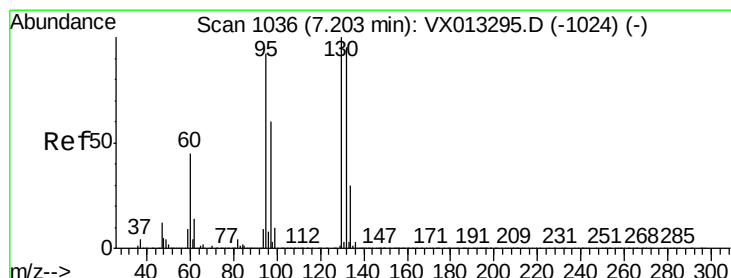
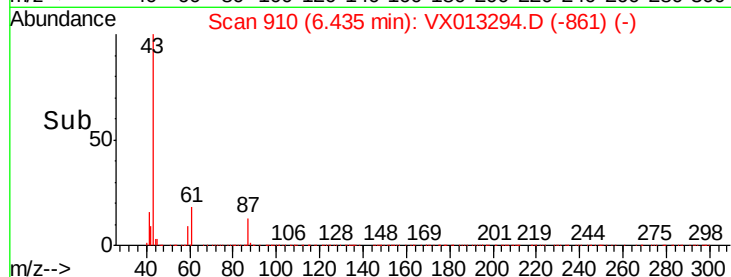
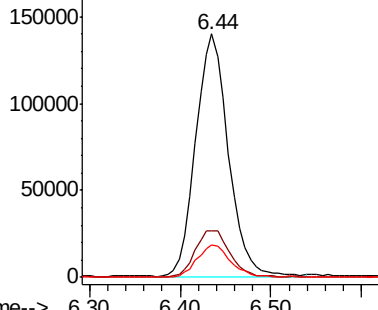
87 13.8 10.4 15.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 18.525 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013294.D

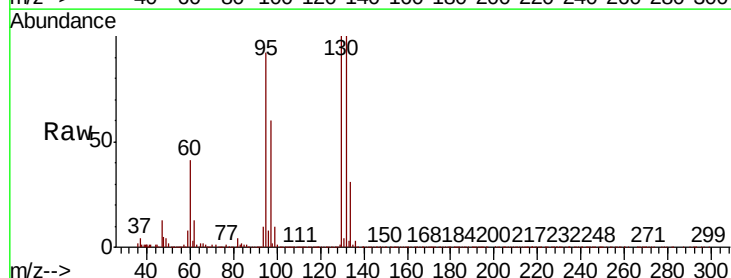
Acq: 31 Oct 2019 17:05

Tgt Ion: 130 Resp: 150882

Ion Ratio Lower Upper

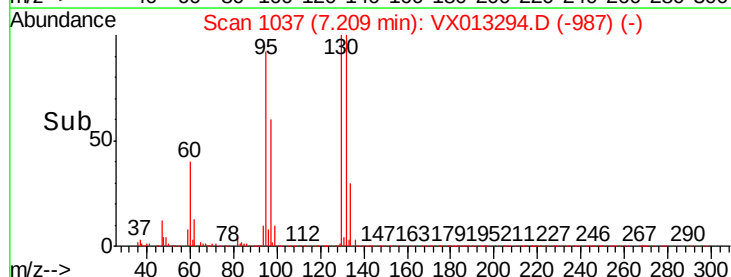
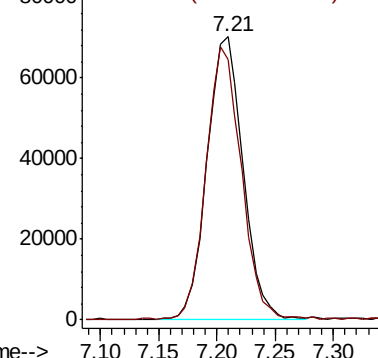
130 100

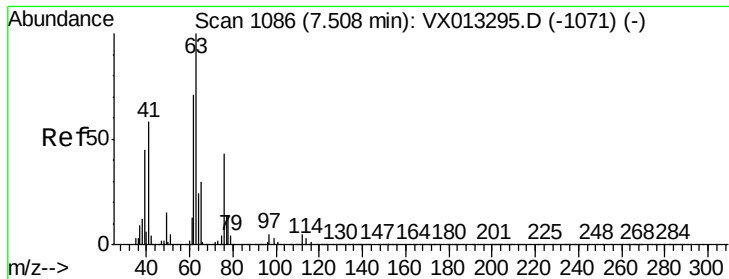
95 92.1 0.0 184.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 20.472 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

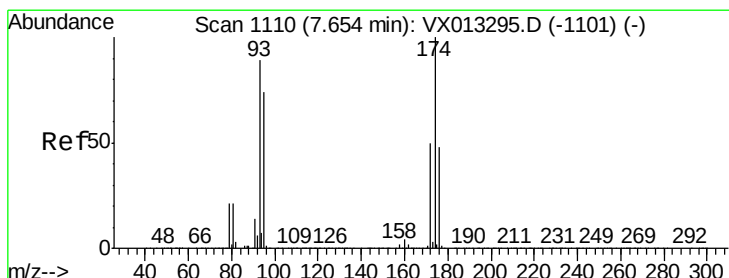
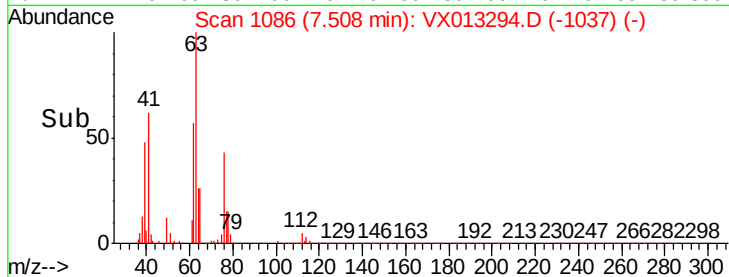
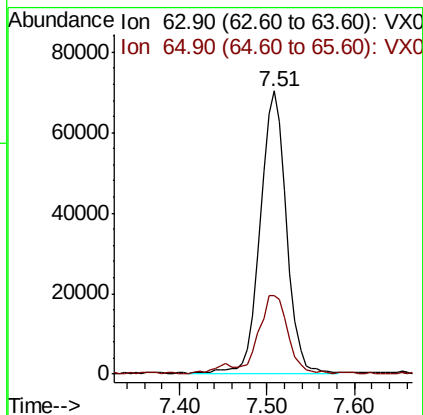
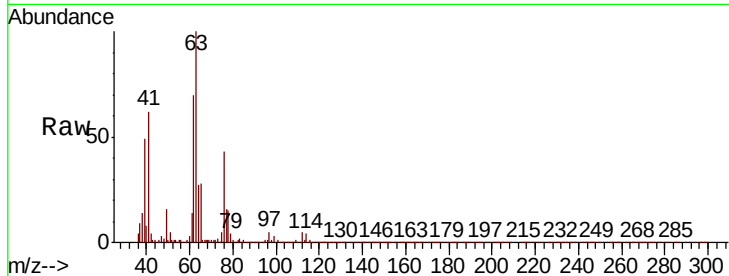
ClientSampleId :

Tot Ion: 63 Resp: 145863

Ion Ratio Lower Upper

63 100

65 27.5 24.3 36.5



#46

Dibromomethane

Concen: 19.540 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

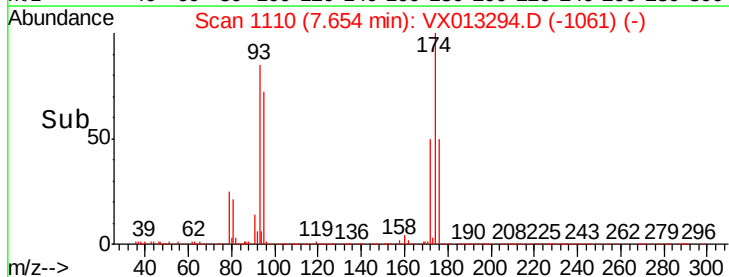
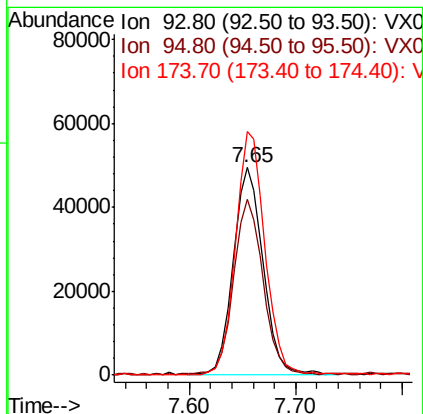
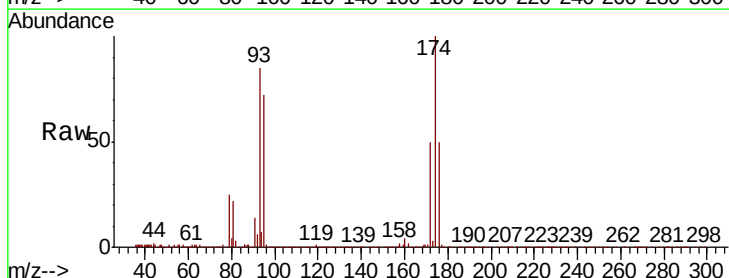
Tgt Ion: 93 Resp: 98365

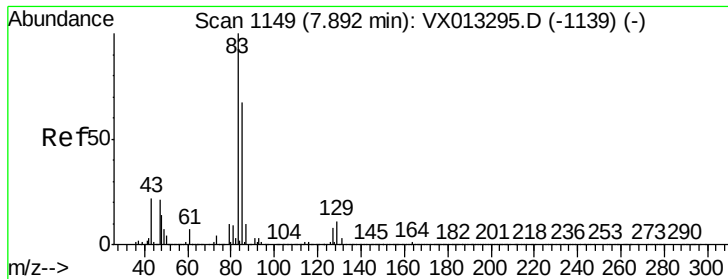
Ion Ratio Lower Upper

93 100

95 82.3 65.8 98.6

174 114.0 90.4 135.6





#47

Bromodichloromethane

Concen: 20.399 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :
MSVOA_X
ClientSampled :

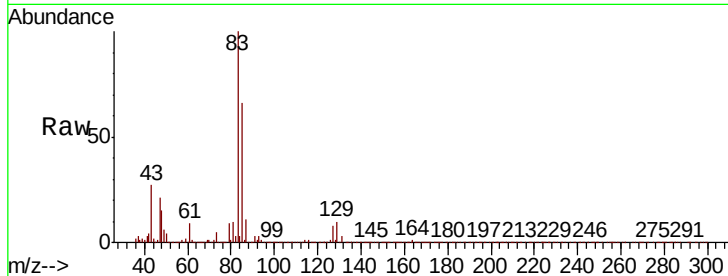
Tot Ion: 83 Resp: 185143

Ion Ratio Lower Upper

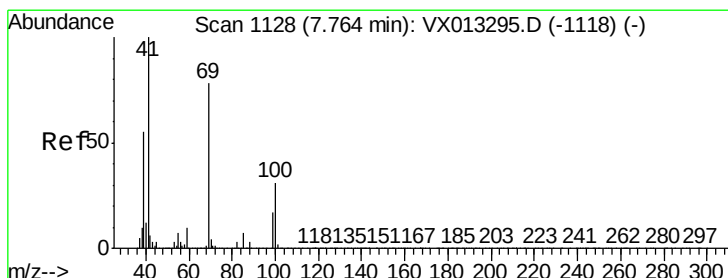
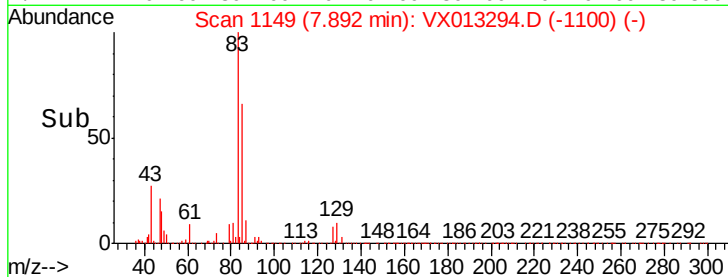
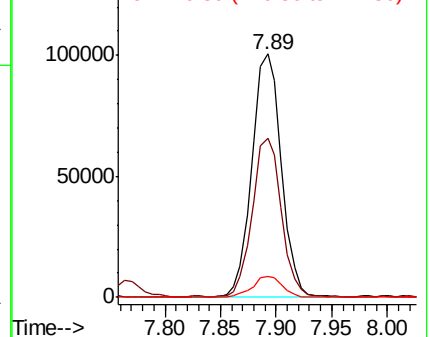
83 100

85 65.3 53.7 80.5

127 8.2 6.4 9.6



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: 22.852 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

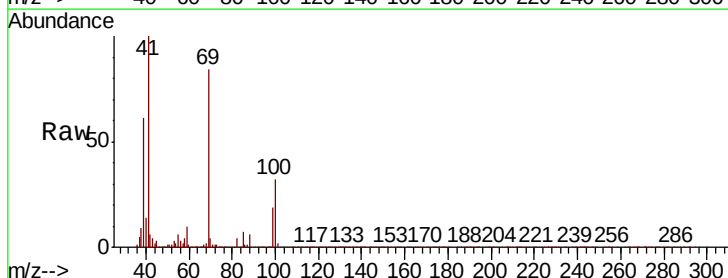
Tgt Ion: 41 Resp: 177833

Ion Ratio Lower Upper

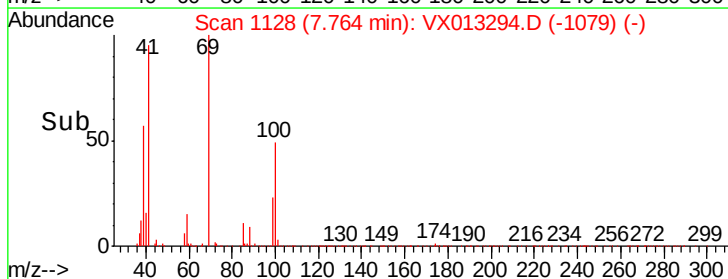
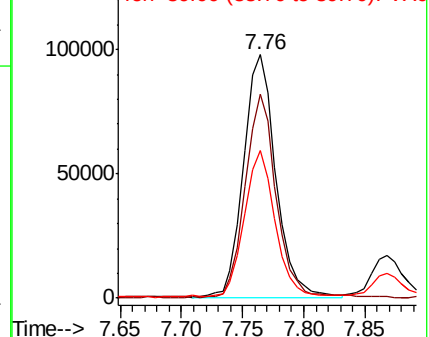
41 100

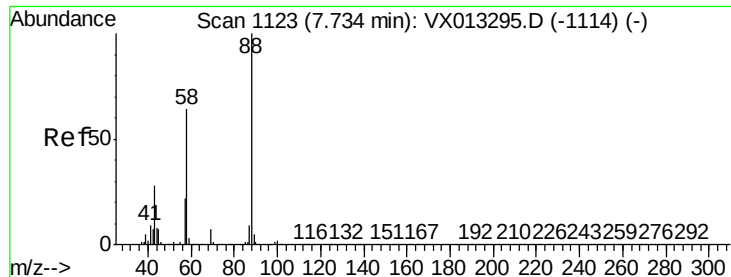
69 82.0 63.0 94.6

39 57.7 45.9 68.9



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: 373.670 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

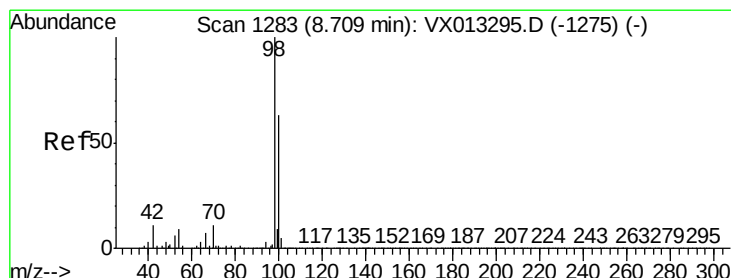
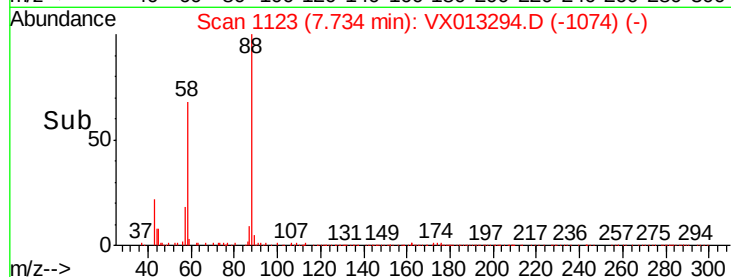
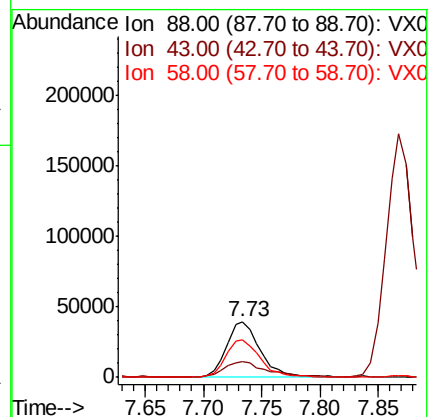
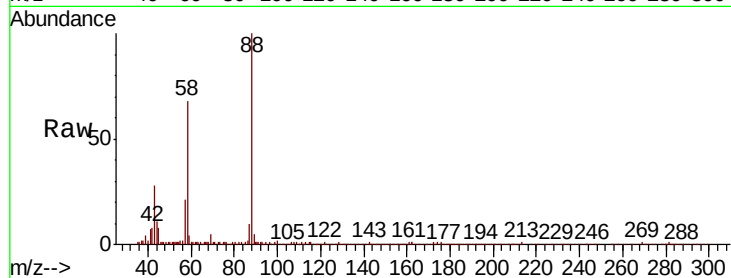
Tot Ion: 88 Resp: 77745

Ion Ratio Lower Upper

88 100

43 34.1 26.6 39.8

58 69.9 55.0 82.6



#50

Toluene-d8

Concen: 18.828 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013294.D

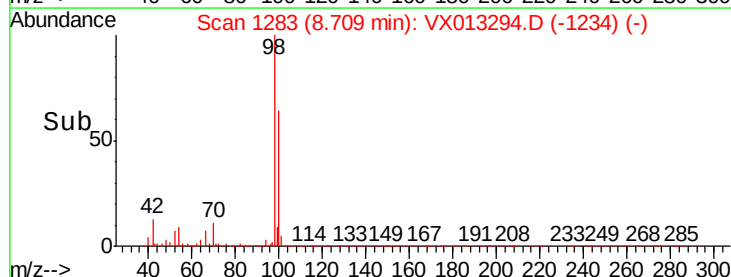
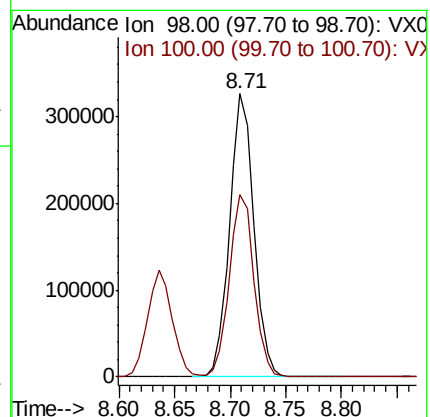
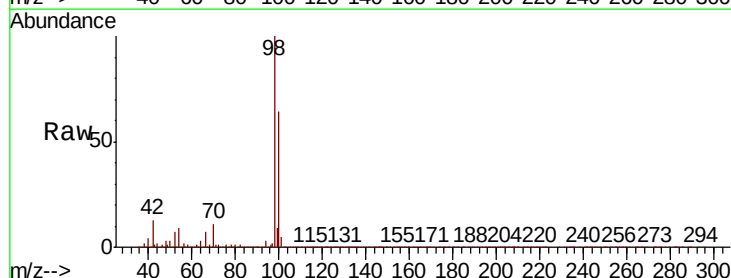
Acq: 31 Oct 2019 17:05

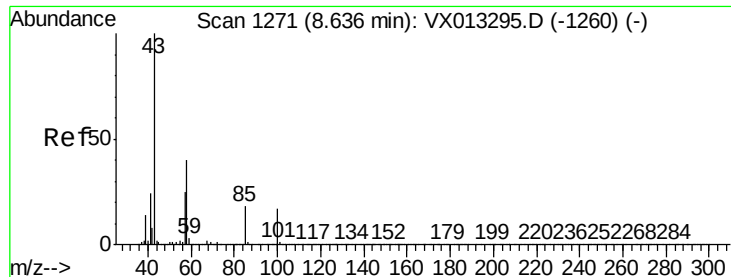
Tgt Ion: 98 Resp: 489690

Ion Ratio Lower Upper

98 100

100 65.4 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 115.011 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

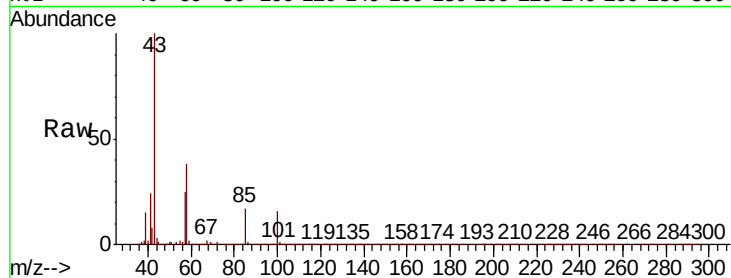
ClientSampleId :

Tot Ion: 43 Resp: 1177578

Ion Ratio Lower Upper

43 100

58 38.7 31.4 47.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

800000

600000

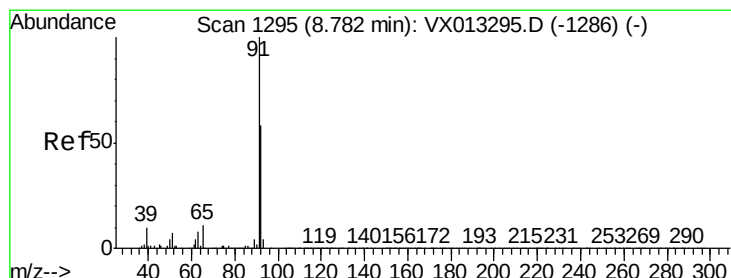
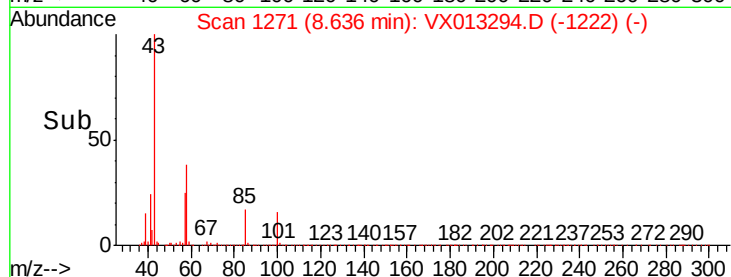
400000

200000

0

Time-->

8.50 8.60 8.70 8.80



#52

Toluene

Concen: 20.013 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX013294.D

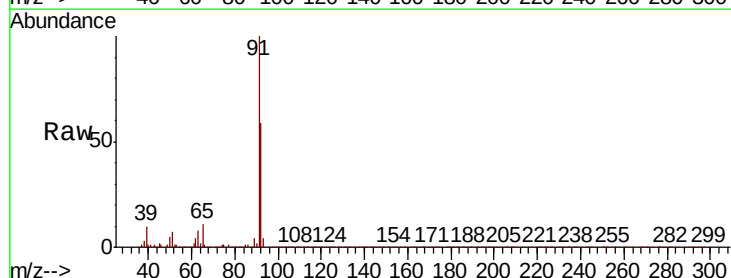
Acq: 31 Oct 2019 17:05

Tgt Ion: 92 Resp: 363680

Ion Ratio Lower Upper

92 100

91 170.3 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

400000

300000

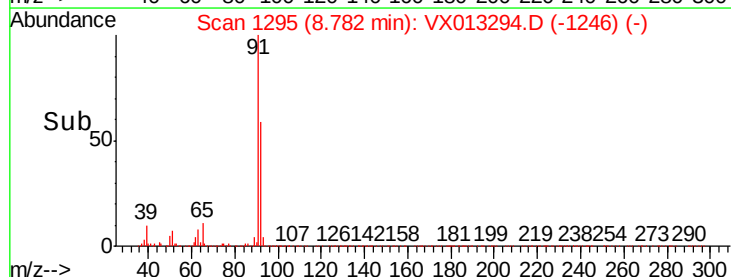
200000

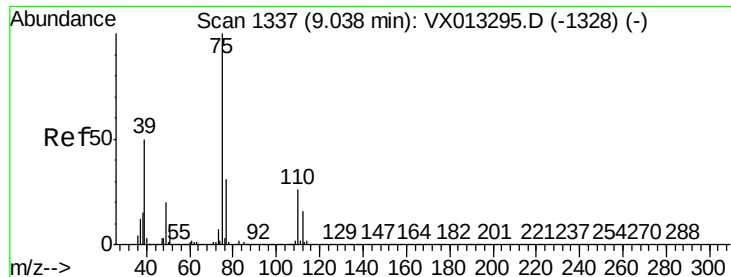
100000

0

Time-->

8.70 8.75 8.80 8.85

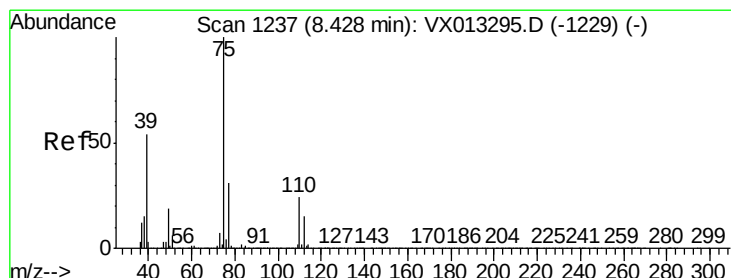
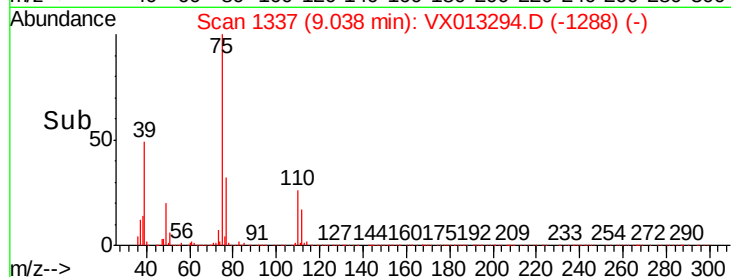
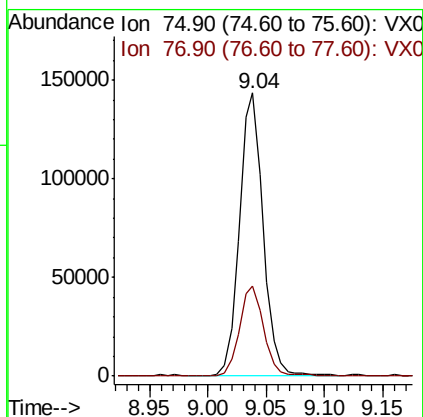
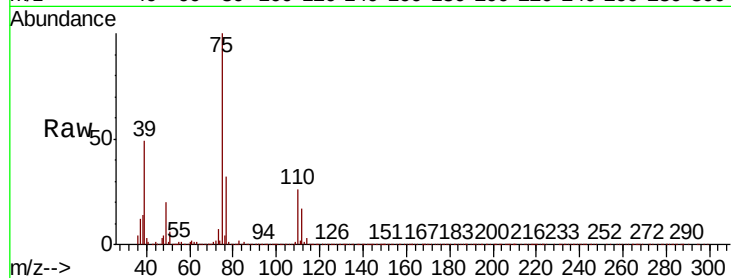




#53
t-1,3-Dichloropropene
Concen: 20.674 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

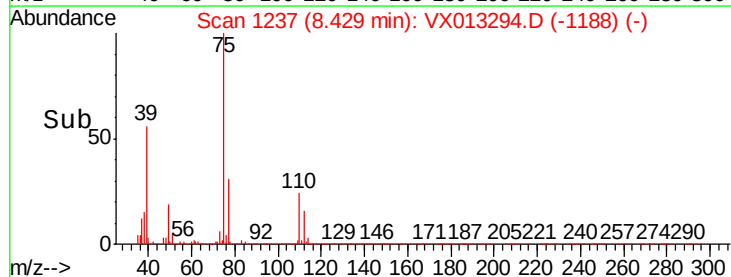
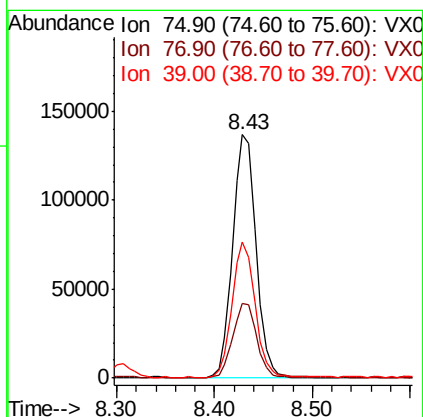
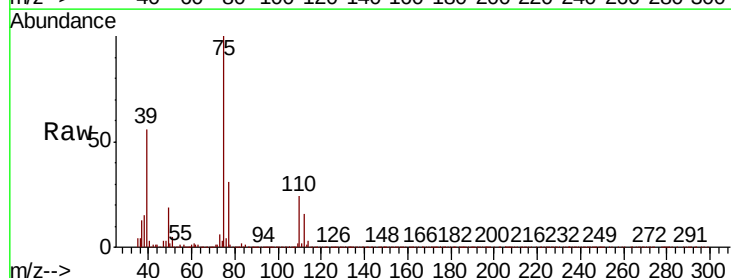
Instrument :
MSVOA_X
ClientSampleId :

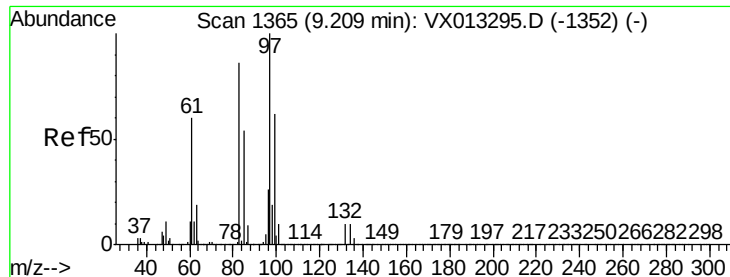
Tot Ion: 75 Resp: 202436
Ion Ratio Lower Upper
75 100
77 31.9 25.0 37.4



#54
cis-1,3-Dichloropropene
Concen: 20.973 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Tgt Ion: 75 Resp: 227572
Ion Ratio Lower Upper
75 100
77 30.6 24.7 37.1
39 55.8 43.0 64.6





#55

1,1,2-Trichloroethane

Concen: 19.512 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 97 Resp: 146363

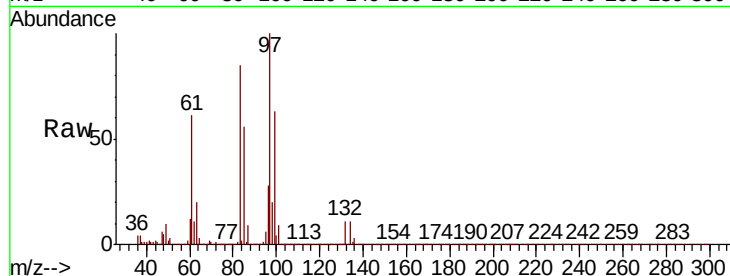
Ion Ratio Lower Upper

97 100

83 84.5 68.6 103.0

85 55.6 43.1 64.7

99 62.4 49.4 74.0

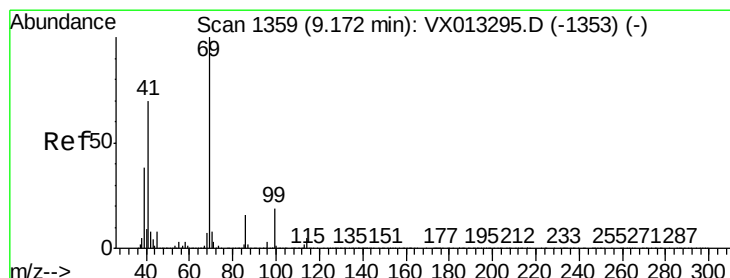
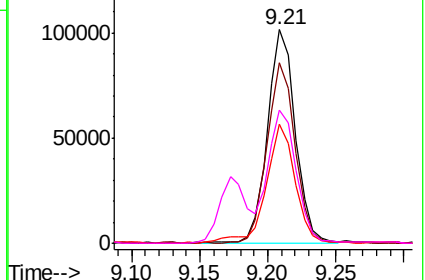
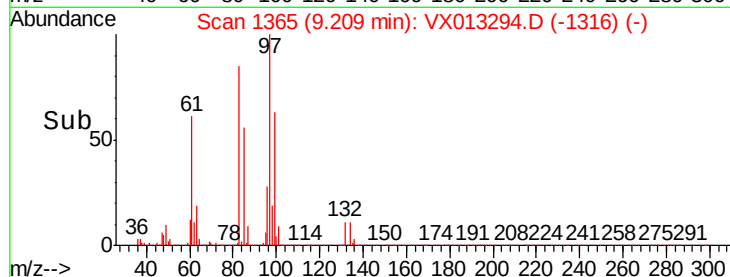


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 20.605 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

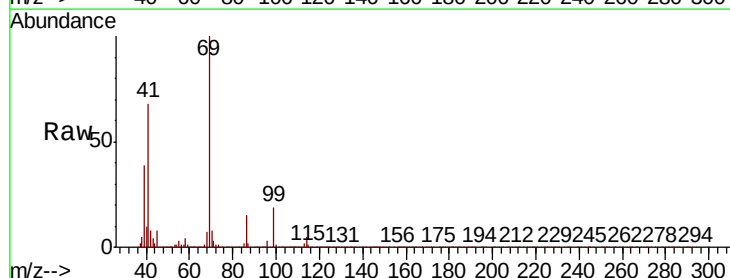
Tgt Ion: 69 Resp: 228100

Ion Ratio Lower Upper

69 100

41 68.9 56.2 84.2

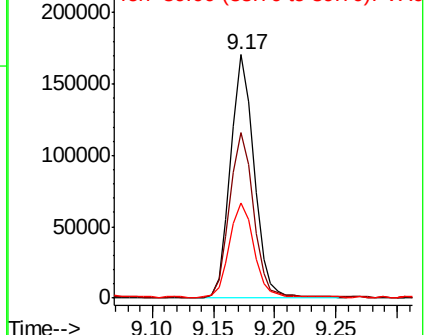
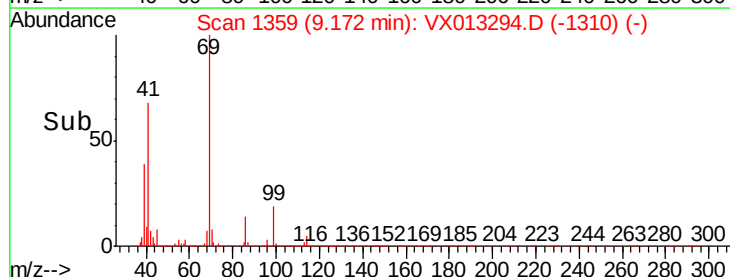
39 40.3 31.1 46.7

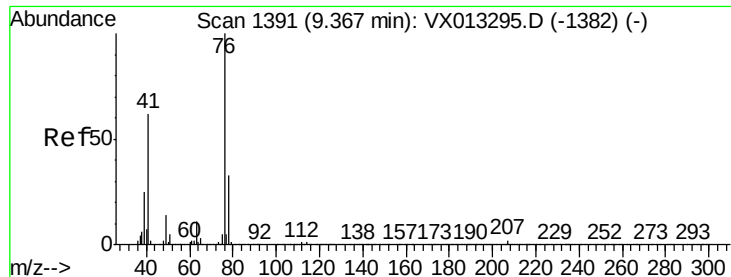


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

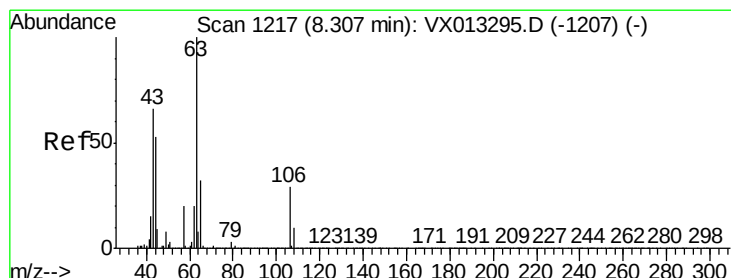
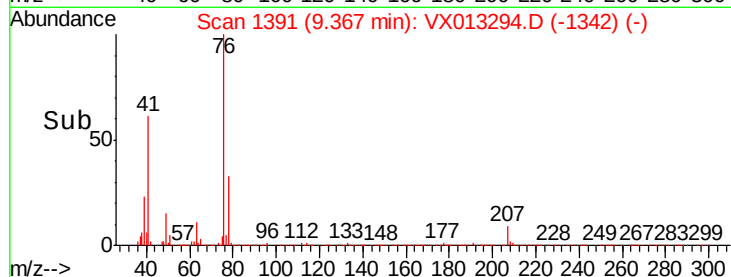
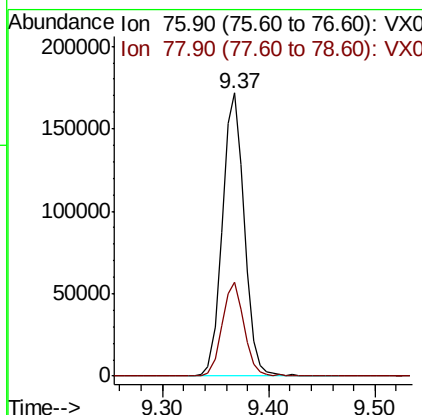
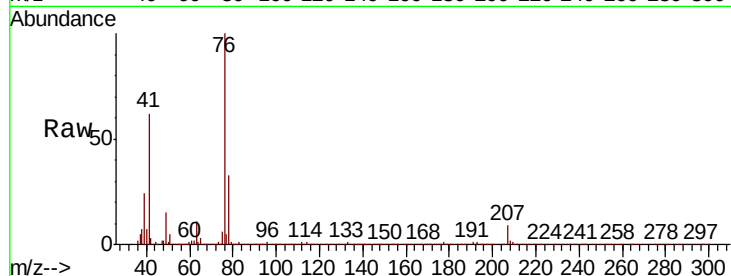




#57
 1,3-Dichloropropane
 Concen: 20.478 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX013294.D
 Acq: 31 Oct 2019 17:05

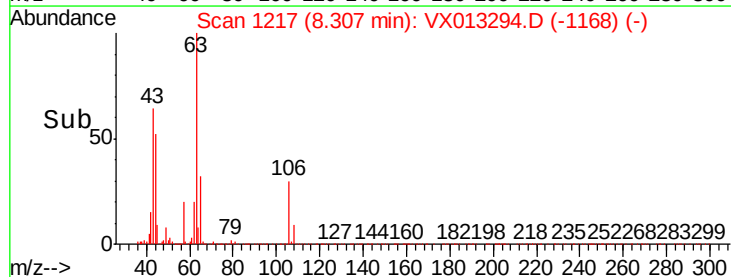
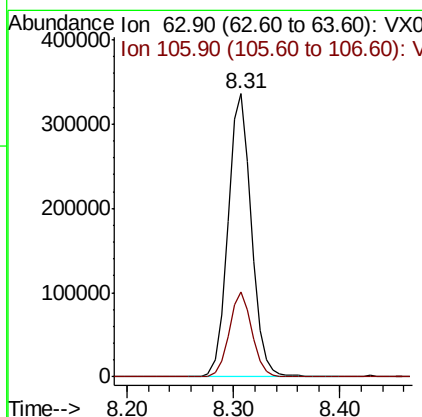
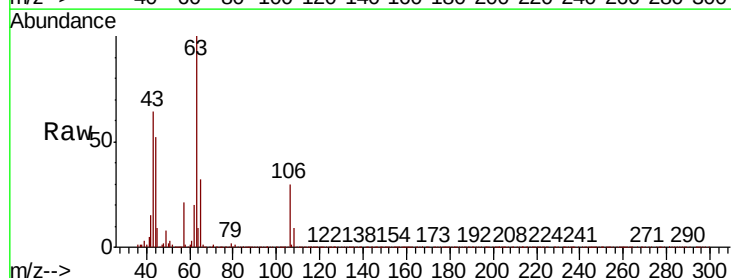
Instrument :
 MSVOA_X
 ClientSampleId :

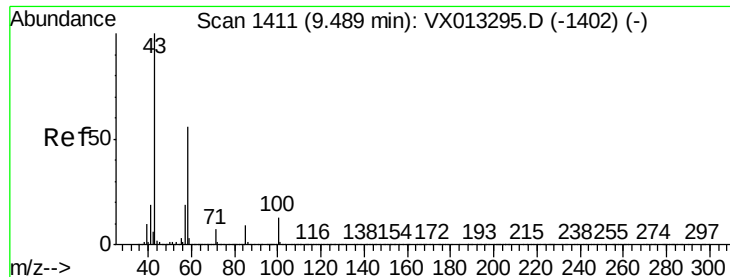
Tot Ion: 76 Resp: 246482
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.010 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX013294.D
 Acq: 31 Oct 2019 17:05

Tgt Ion: 63 Resp: 518118
 Ion Ratio Lower Upper
 63 100
 106 29.2 23.4 35.2

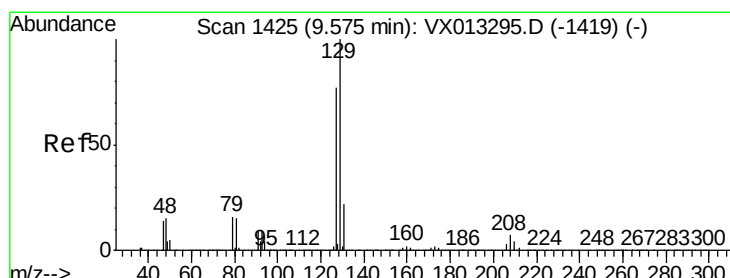
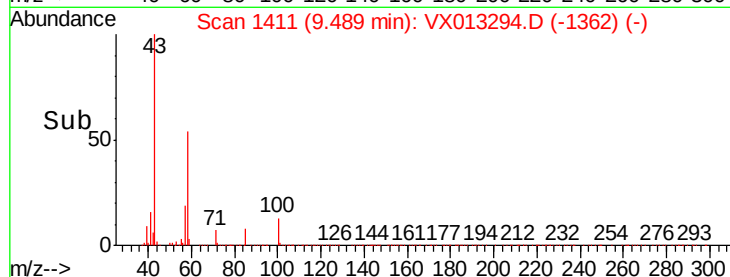
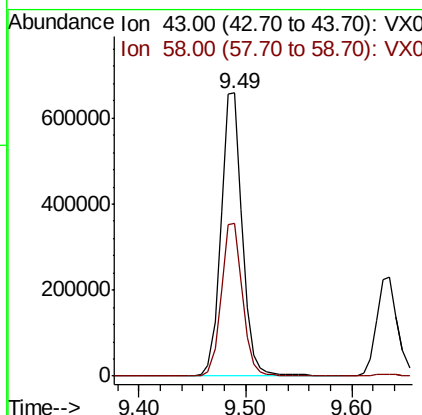
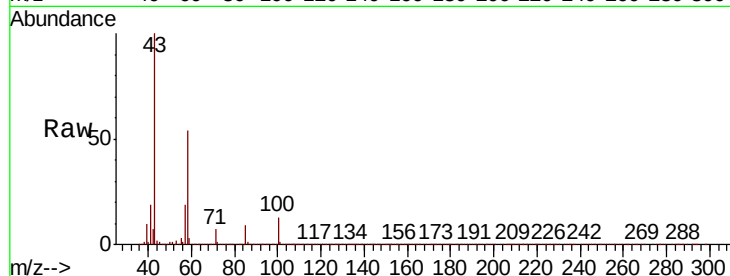




#59
2-Hexanone
Concen: 115.686 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

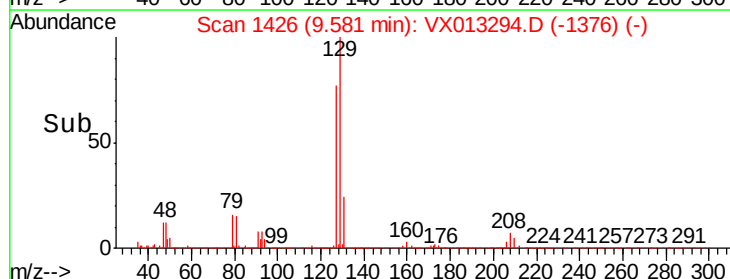
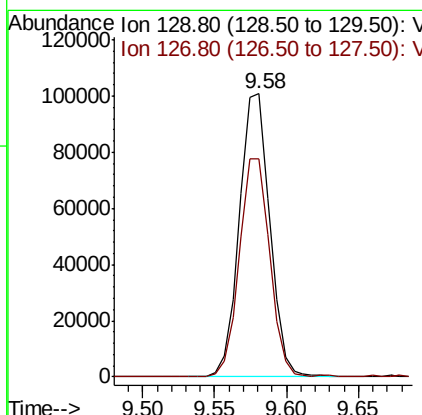
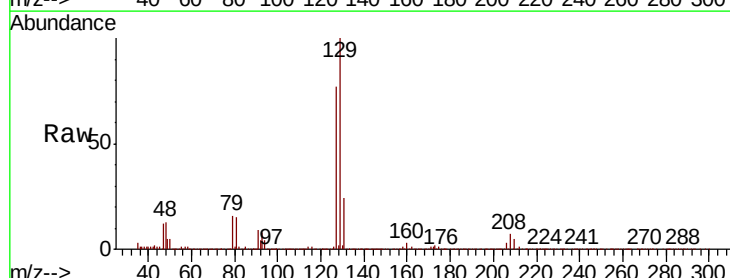
Instrument :
MSVOA_X
ClientSampleId :

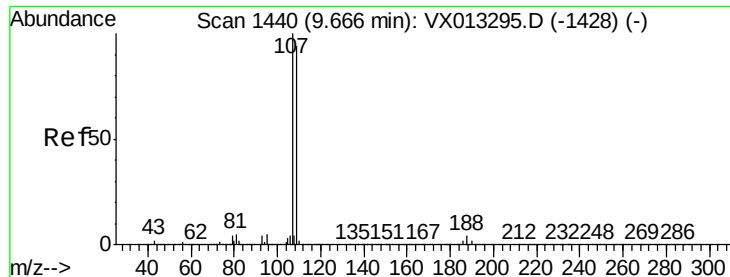
Tot Ion: 43 Resp: 916738
Ion Ratio Lower Upper
43 100
58 54.1 27.3 81.8



#60
Dibromochloromethane
Concen: 19.518 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.01 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Tgt Ion: 129 Resp: 147705
Ion Ratio Lower Upper
129 100
127 76.9 39.1 117.2





#61

1,2-Dibromoethane

Concen: 19.461 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

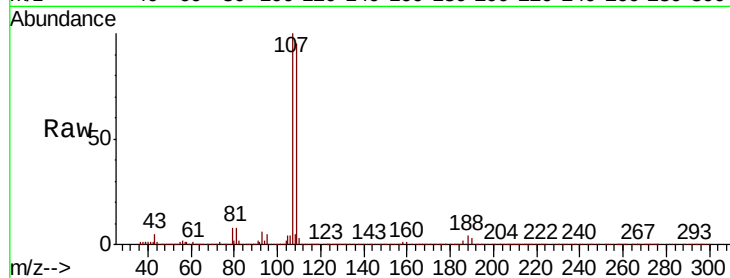
ClientSampleId :

Tot Ion:107 Resp: 154569

Ion Ratio Lower Upper

107 100

109 97.5 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

120000

100000

80000

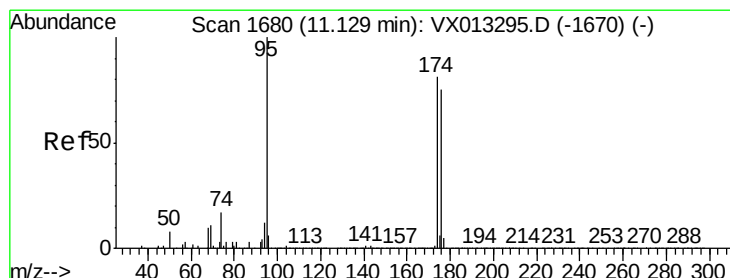
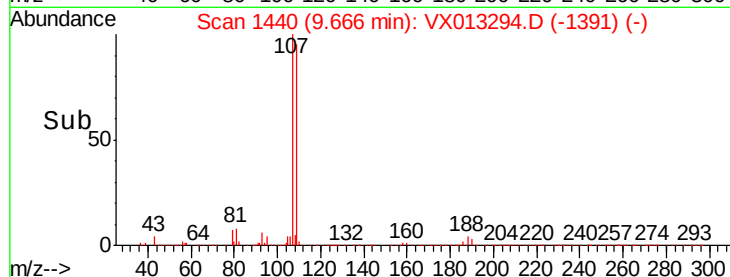
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 17.781 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

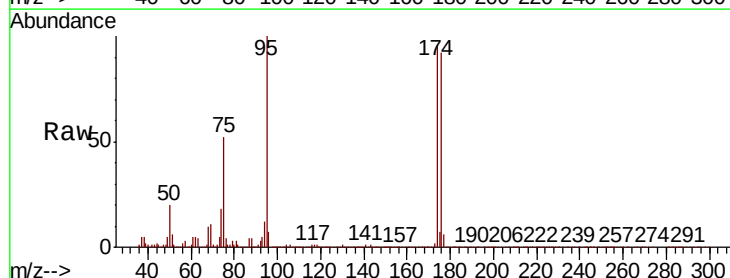
Tgt Ion: 95 Resp: 168375

Ion Ratio Lower Upper

95 100

174 91.1 0.0 179.8

176 87.1 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

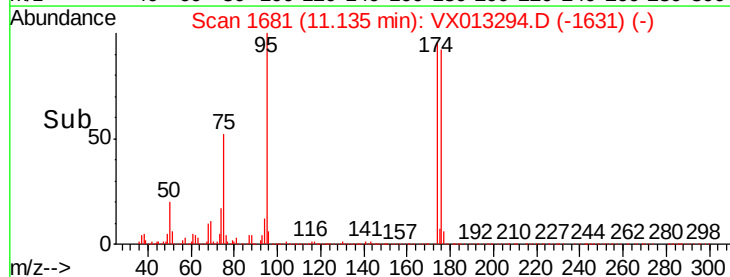
150000

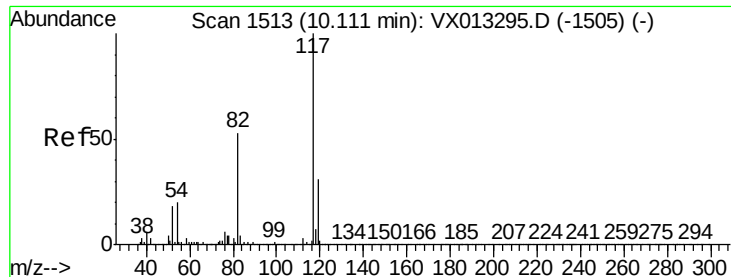
100000

50000

0

Time-->

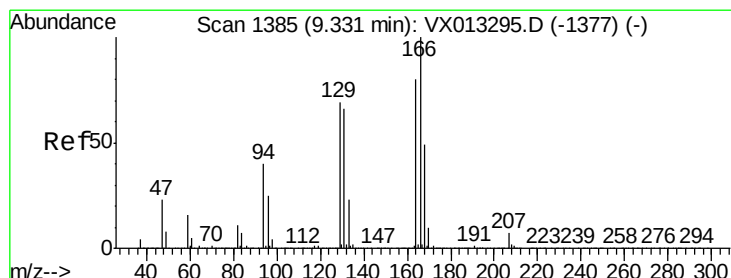
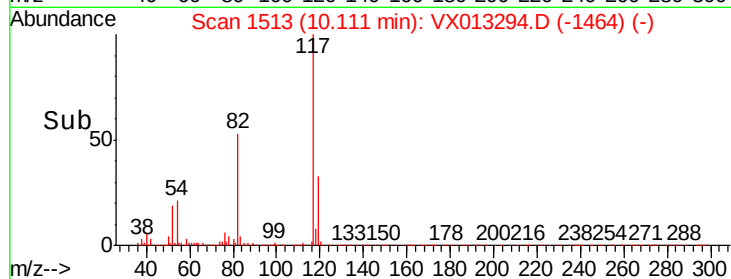
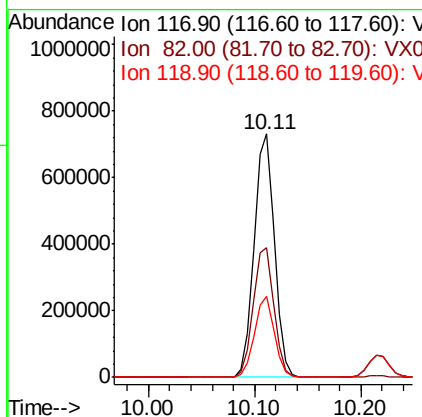
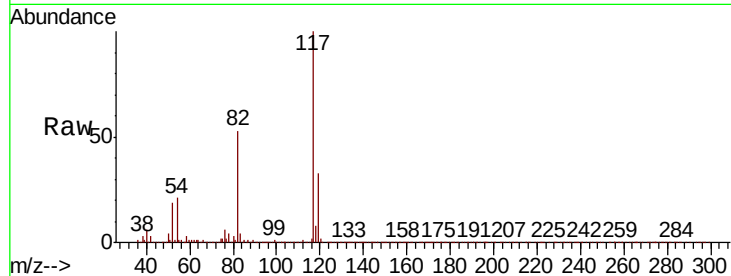




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

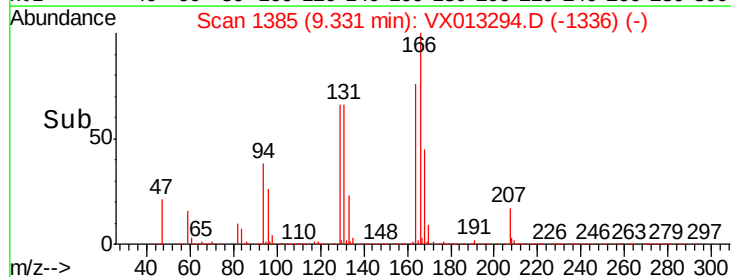
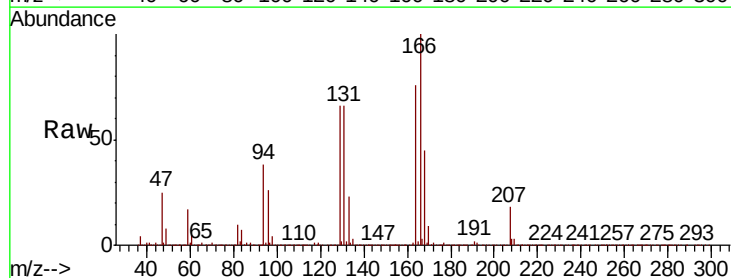
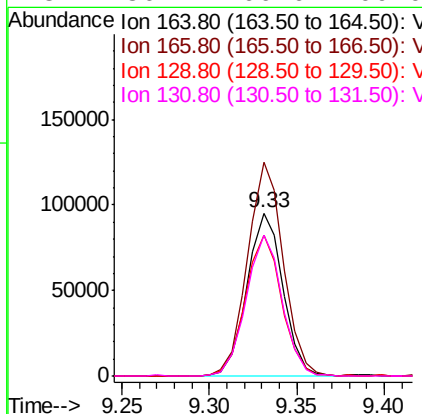
Instrument :
MSVOA_X
ClientSampleId :

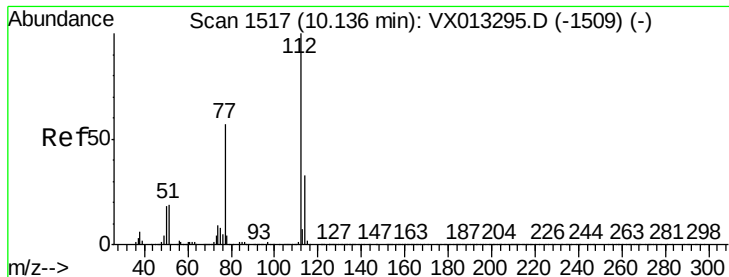
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.6	64.0
119	33.4	24.8	37.2



#64
Tetrachloroethene
Concen: 17.780 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.4	100.4	150.6
129	86.6	69.4	104.2
131	86.7	66.6	100.0

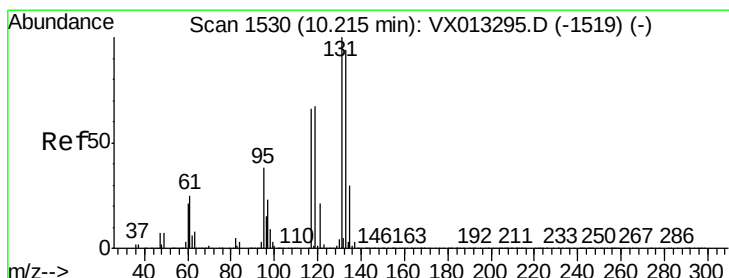
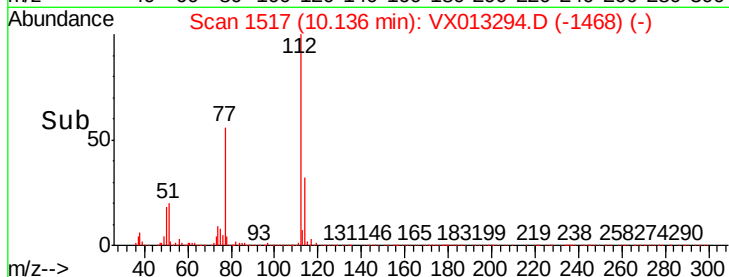
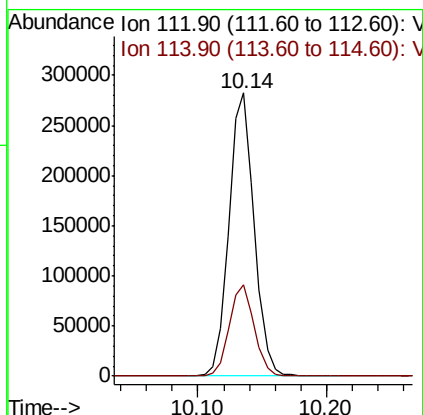
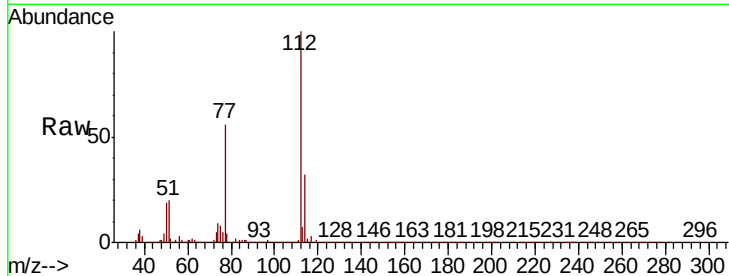




#65
Chlorobenzene
Concen: 19.051 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

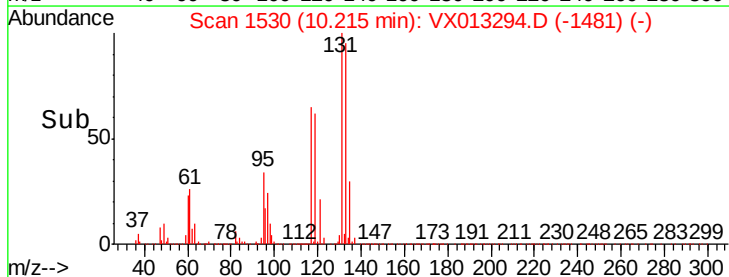
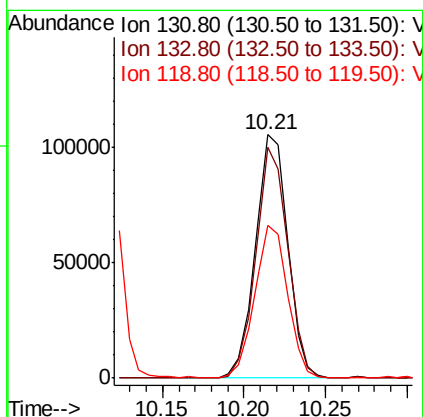
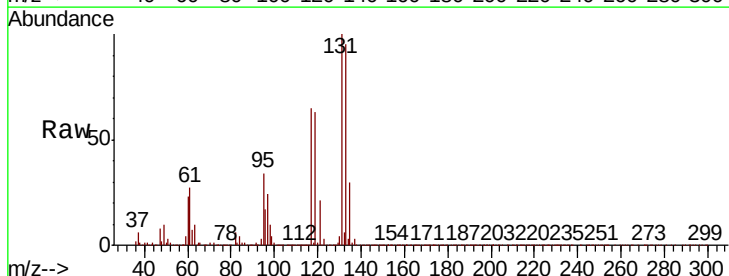
Instrument :
MSVOA_X
ClientSampleId :

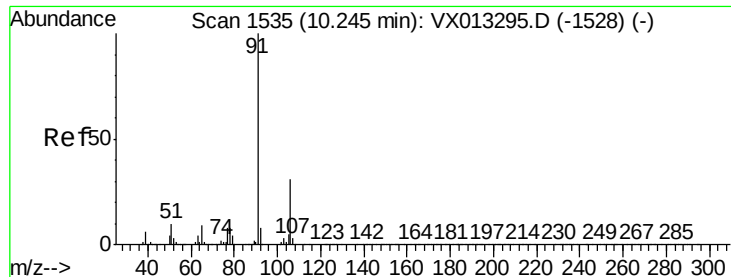
Tot Ion:112 Resp: 386620
Ion Ratio Lower Upper
112 100
114 32.1 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.388 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Tgt Ion:131 Resp: 145554
Ion Ratio Lower Upper
131 100
133 93.1 48.0 144.0
119 64.2 33.0 99.0

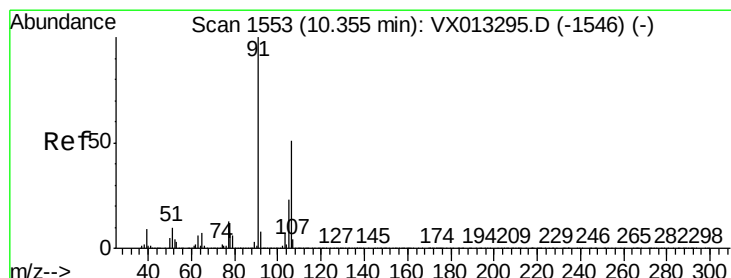
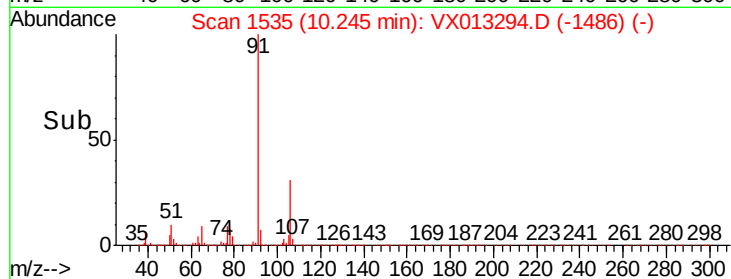
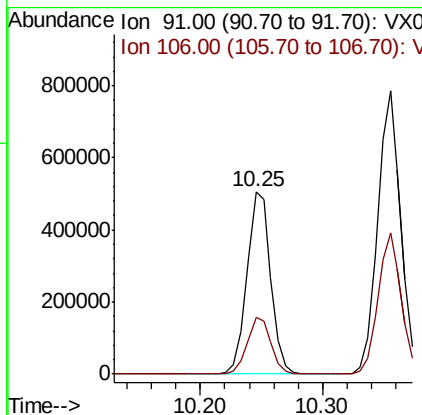
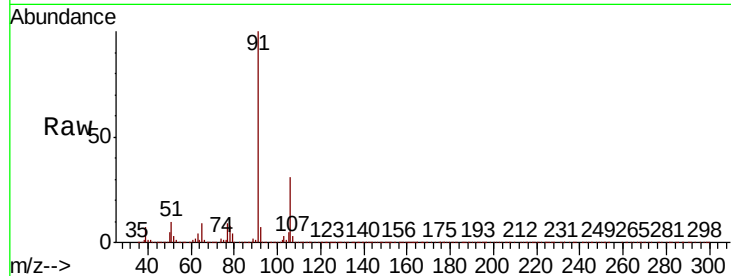




#67
Ethyl Benzene
Concen: 19.610 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

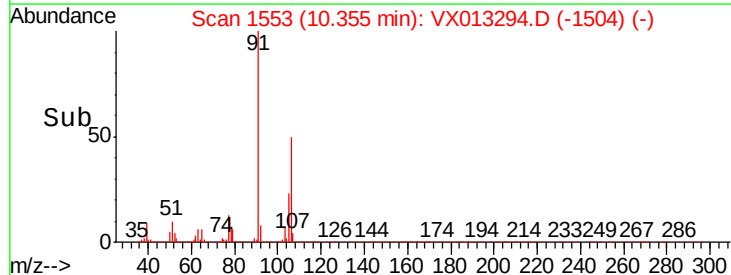
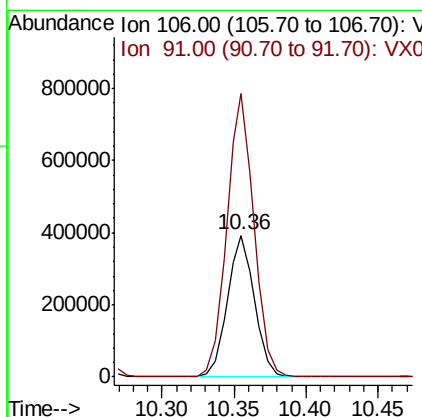
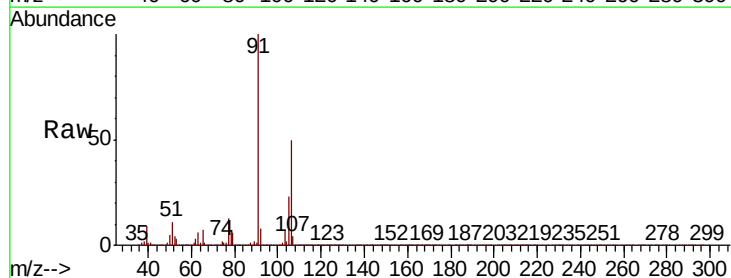
Instrument :
MSVOA_X
ClientSampleId :

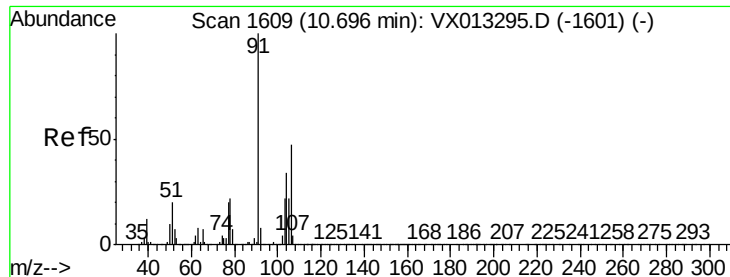
Tot Ion: 91 Resp: 678413
Ion Ratio Lower Upper
91 100
106 30.7 24.6 36.8



#68
m/p-Xylenes
Concen: 38.819 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Tgt Ion: 106 Resp: 515080
Ion Ratio Lower Upper
106 100
91 199.9 159.3 238.9

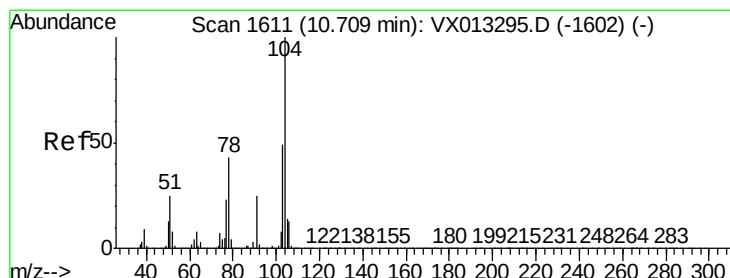
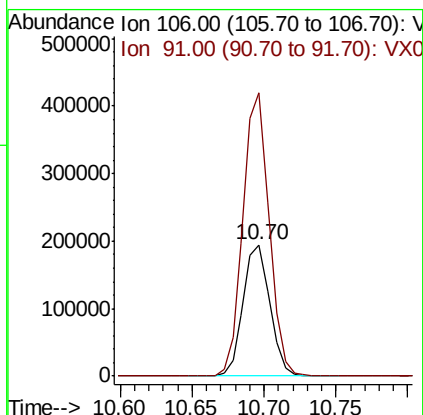
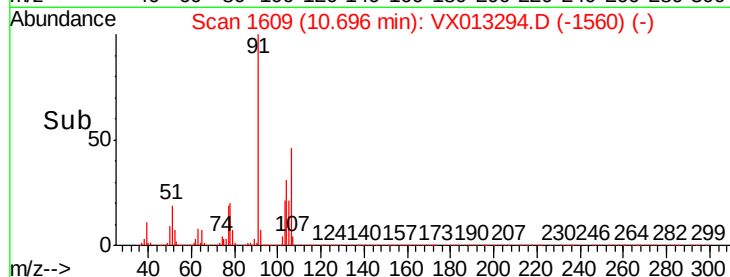
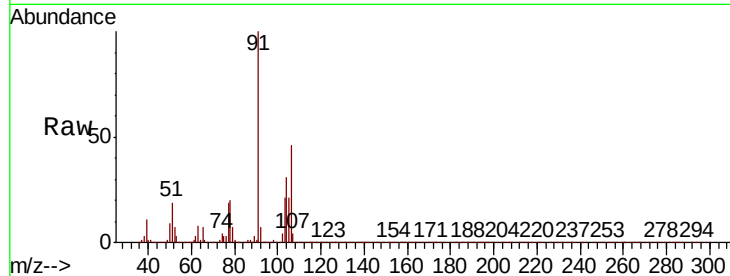




#69
o-Xylene
Concen: 19.443 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

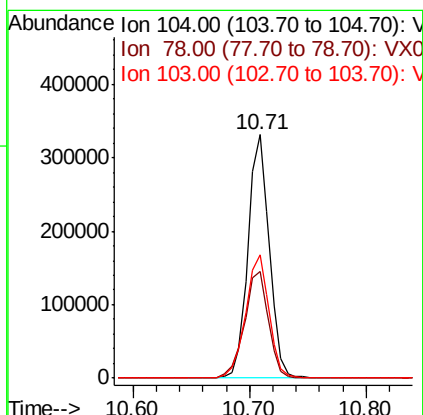
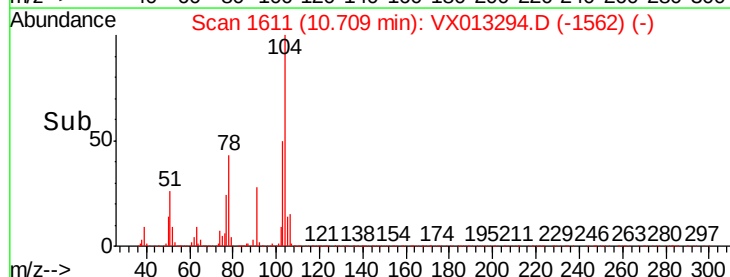
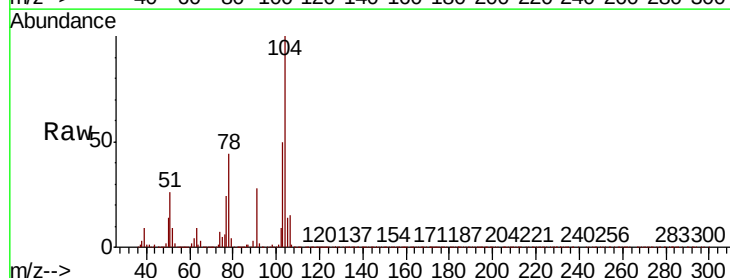
Instrument :
MSVOA_X
ClientSampleId :

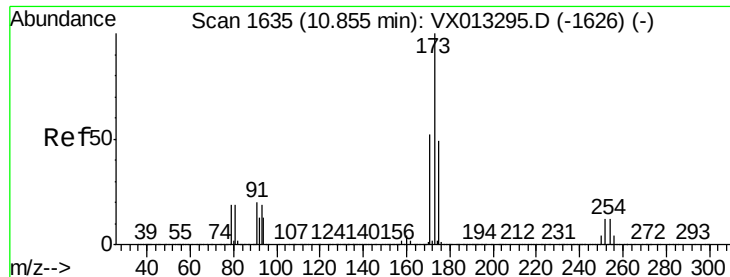
Tot Ion:106 Resp: 250933
Ion Ratio Lower Upper
106 100
91 210.6 105.7 317.0



#70
Styrene
Concen: 19.710 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Tgt Ion:104 Resp: 424661
Ion Ratio Lower Upper
104 100
78 49.6 40.0 60.0
103 55.7 44.1 66.1





#71

Bromoform

Concen: 19.532 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

ClientSampled :

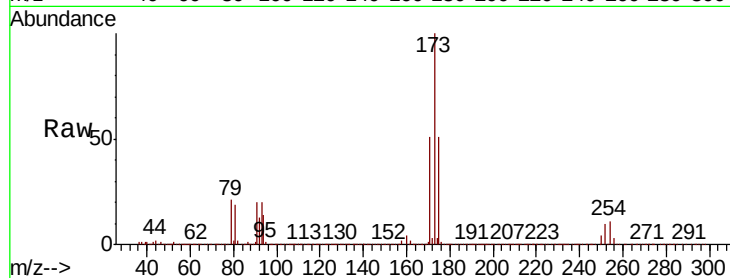
Tot Ion:173 Resp: 111749

Ion Ratio Lower Upper

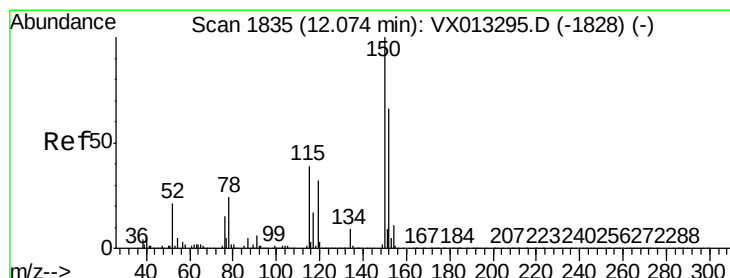
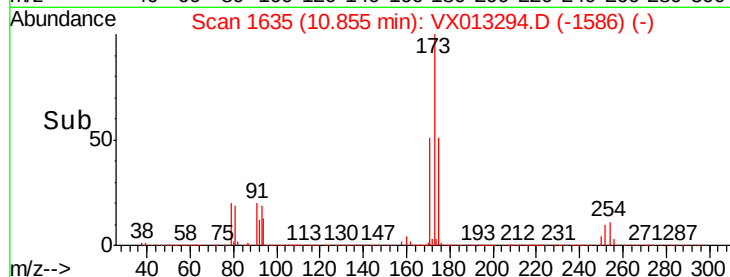
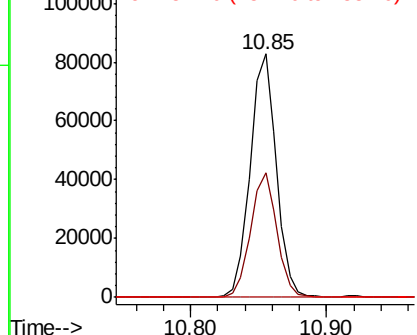
173 100

175 51.5 24.8 74.4

254 0.1 0.2 0.2#



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: VX013294.D

Acq: 31 Oct 2019 17:05

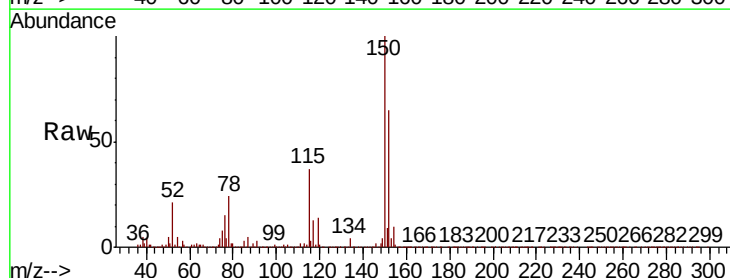
Tgt Ion:152 Resp: 498134

Ion Ratio Lower Upper

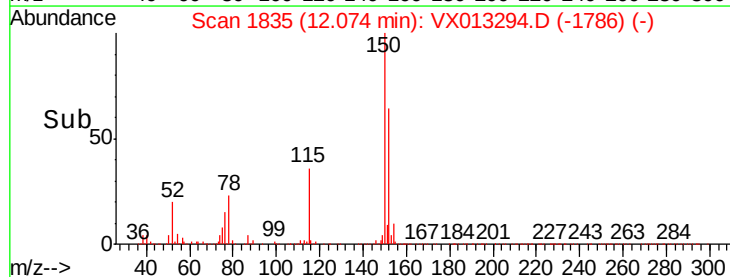
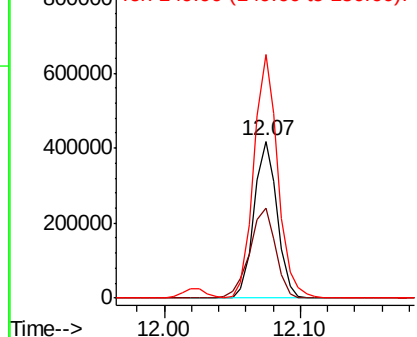
152 100

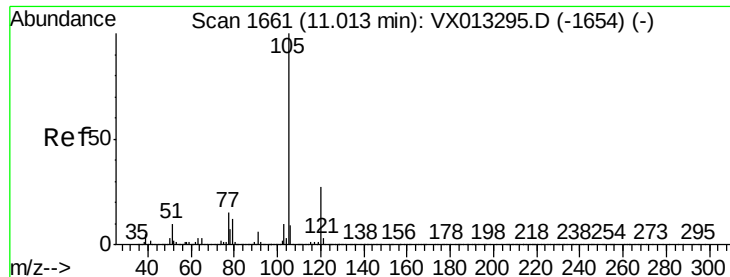
115 64.4 39.5 118.3

150 160.9 0.0 344.4



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: 19.818 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

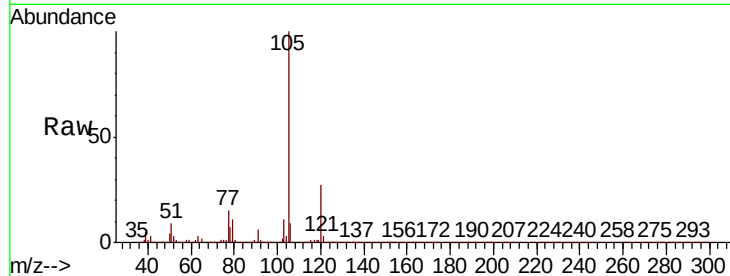
ClientSampleId :

Tot Ion:105 Resp: 671914

Ion Ratio Lower Upper

105 100

120 26.7 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

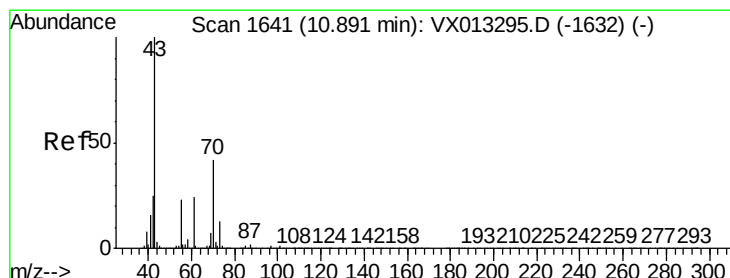
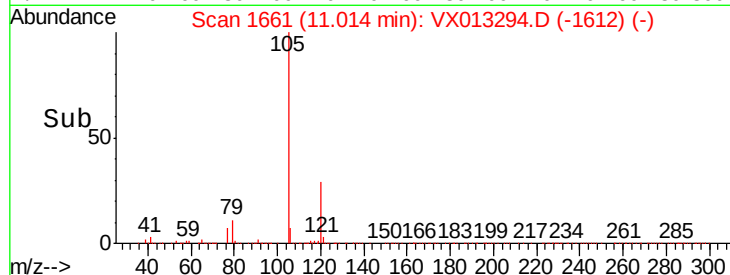
100000

0

11.01

11.10

Time-->



#74

N-ethyl acetate

Concen: 22.393 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Tgt Ion: 43 Resp: 301453

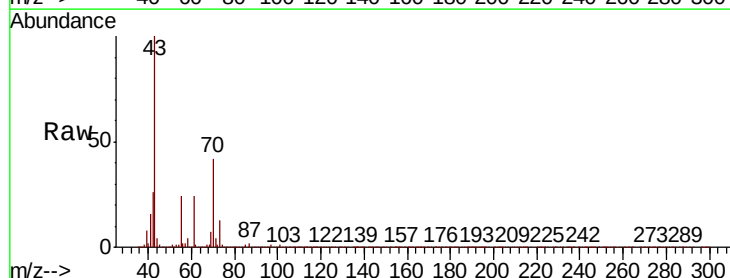
Ion Ratio Lower Upper

43 100

70 43.2 34.1 51.1

55 24.4 18.9 28.3

61 23.9 19.2 28.8



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

400000

300000

200000

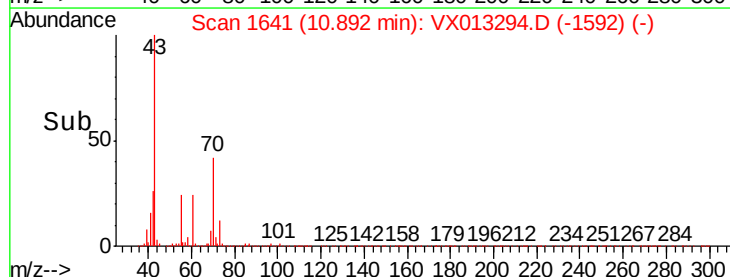
100000

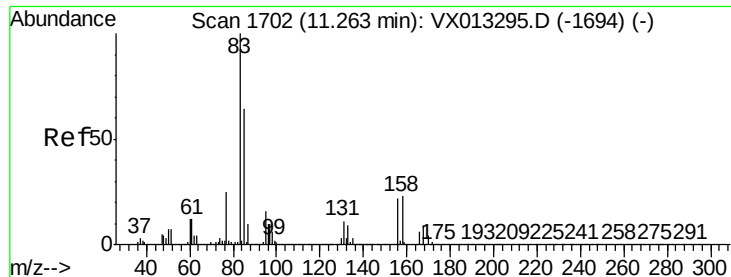
0

10.89

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.128 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

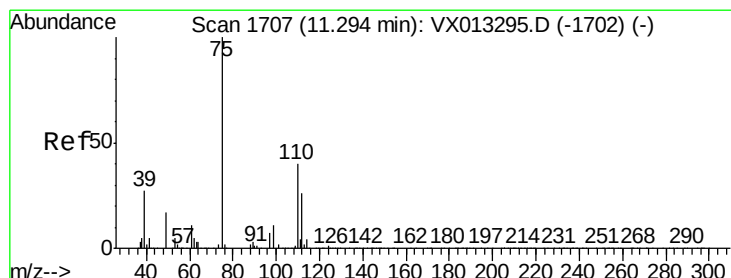
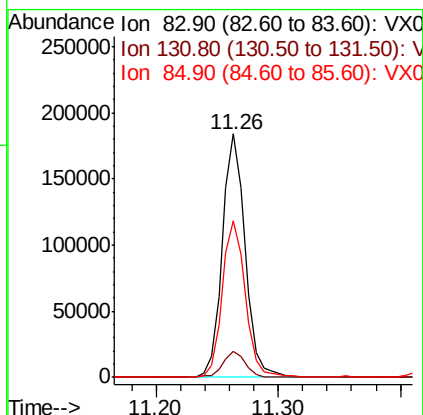
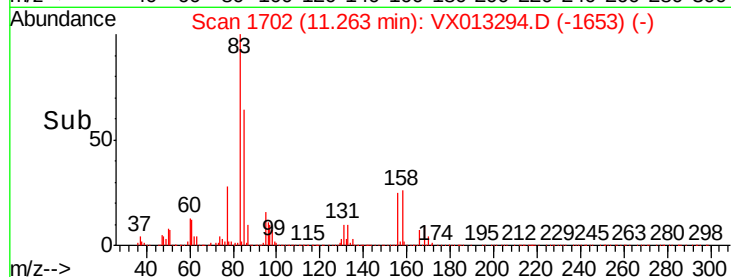
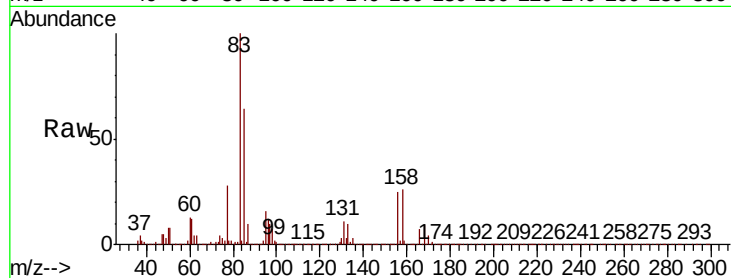
Tot Ion: 83 Resp: 237679

Ion Ratio Lower Upper

83 100

131 10.6 5.1 15.3

85 65.0 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 29.434 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX013294.D

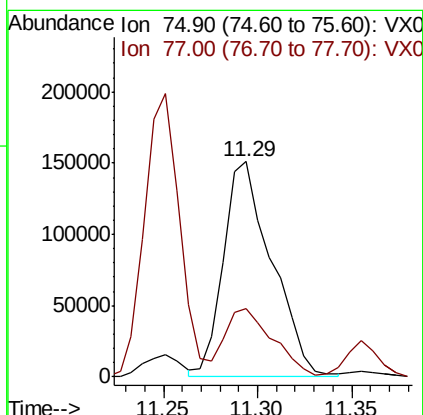
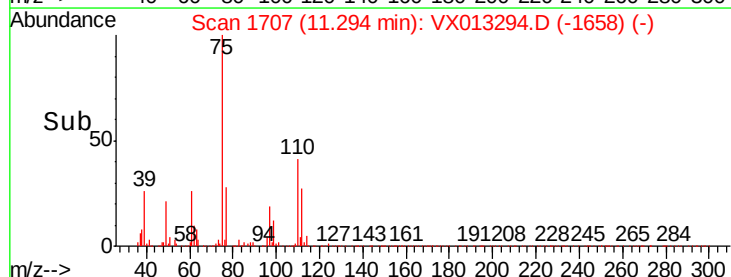
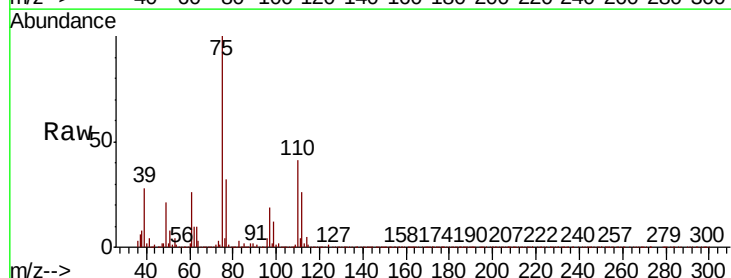
Acq: 31 Oct 2019 17:05

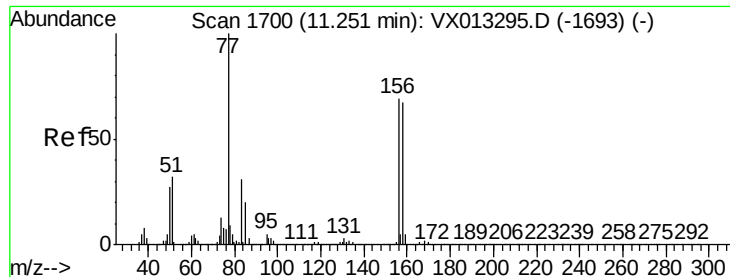
Tgt Ion: 75 Resp: 268606

Ion Ratio Lower Upper

75 100

77 30.7 22.3 66.8





#77

Bromobenzene

Concen: 18.487 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

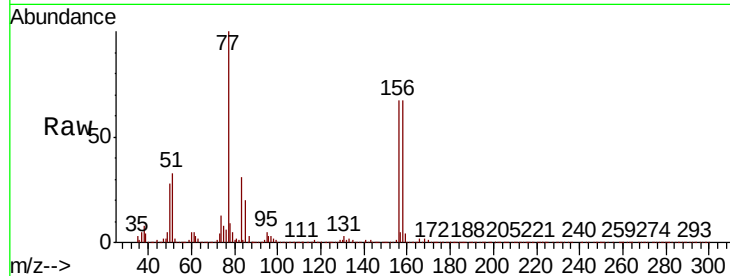
Tot Ion:156 Resp: 171774

Ion Ratio Lower Upper

156 100

77 151.8 75.8 227.4

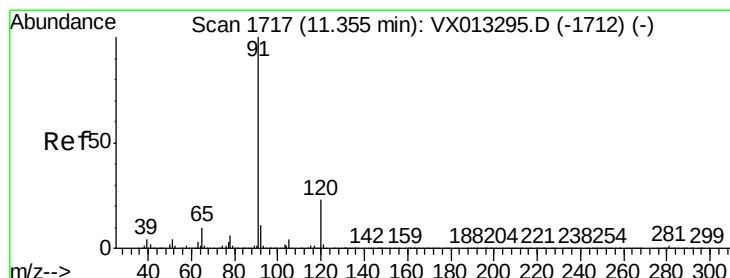
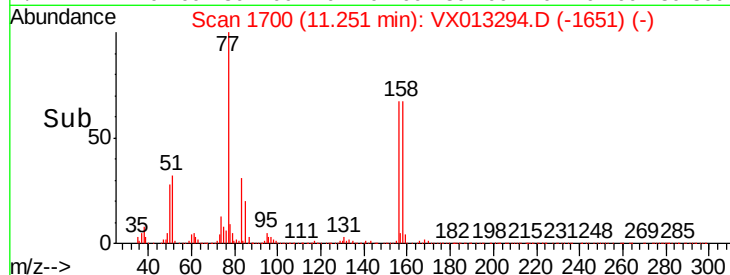
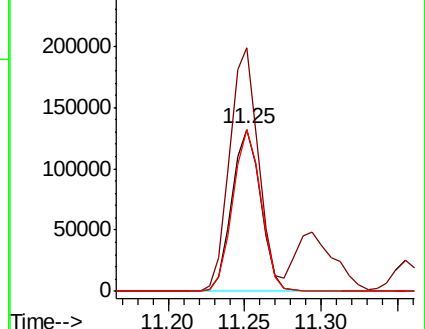
158 99.0 47.6 142.8



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: 19.653 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013294.D

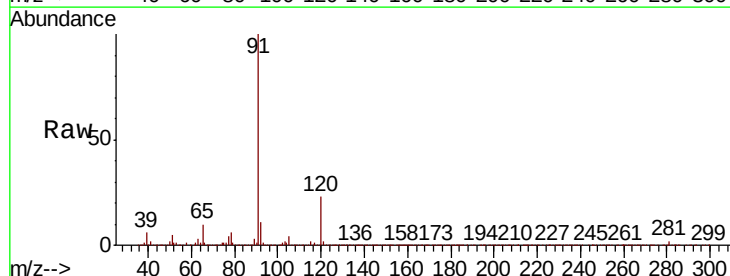
Acq: 31 Oct 2019 17:05

Tgt Ion: 91 Resp: 737759

Ion Ratio Lower Upper

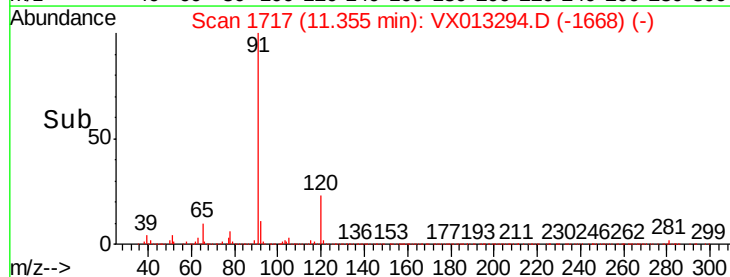
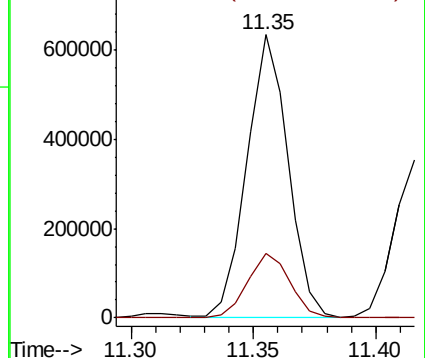
91 100

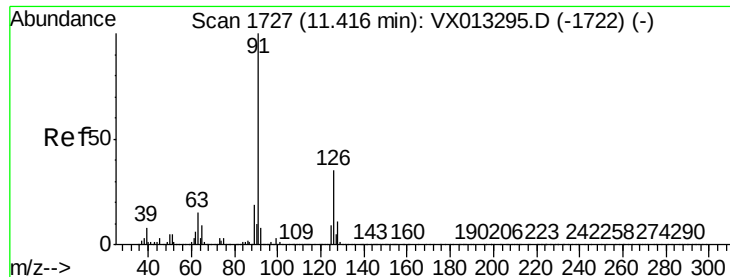
120 23.6 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.572 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

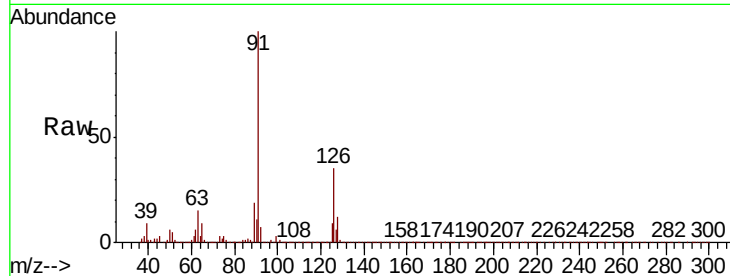
ClientSampleId :

Tot Ion: 91 Resp: 440723

Ion Ratio Lower Upper

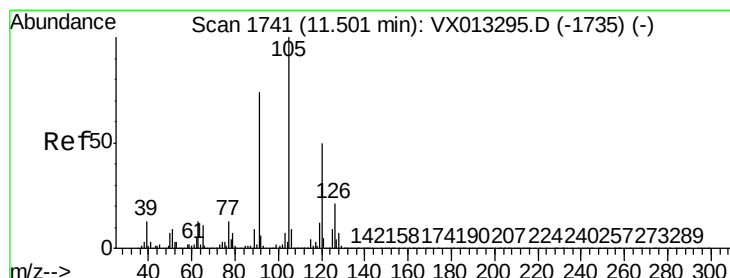
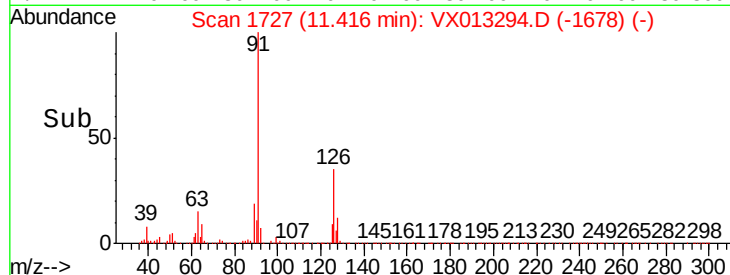
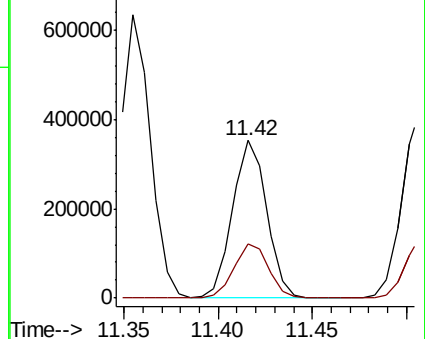
91 100

126 35.2 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.499 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013294.D

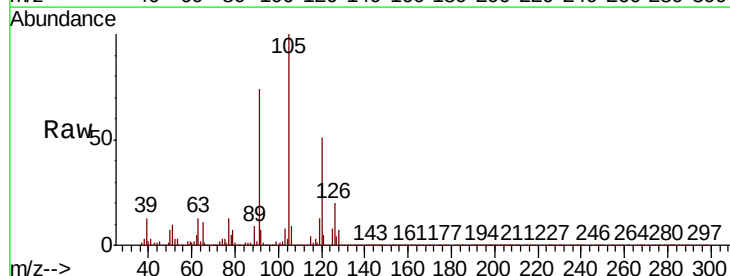
Acq: 31 Oct 2019 17:05

Tgt Ion:105 Resp: 550730

Ion Ratio Lower Upper

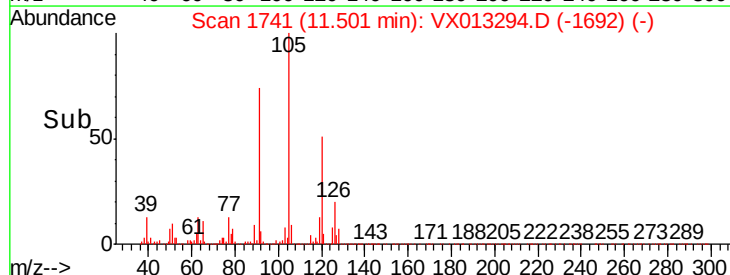
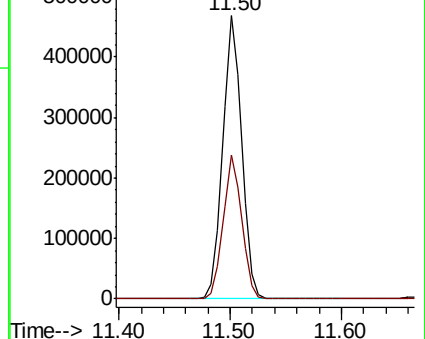
105 100

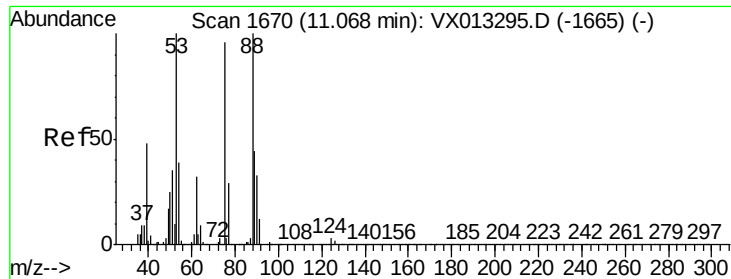
120 50.1 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

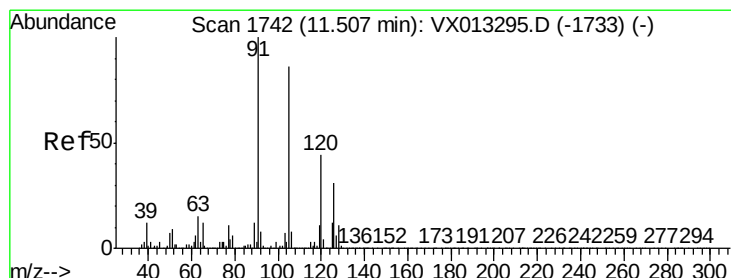
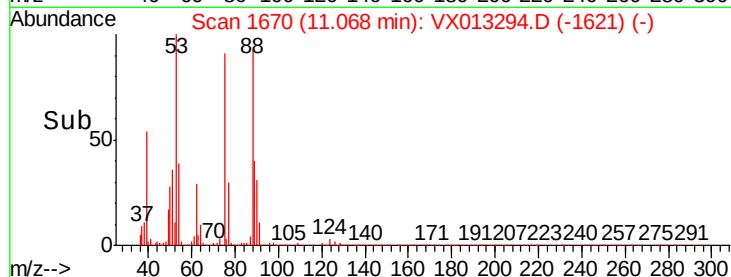
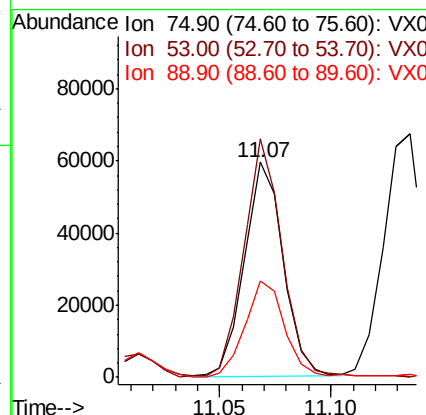
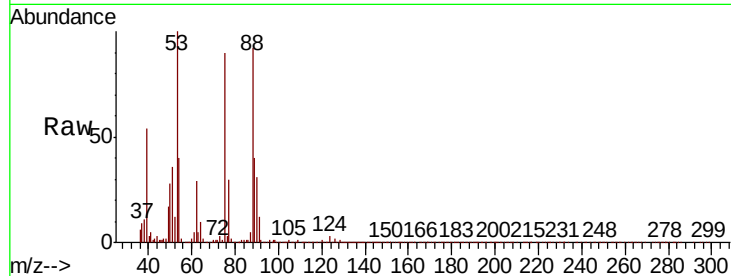




#81
trans-1,4-Dichloro-2-butene
Concen: 21.079 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

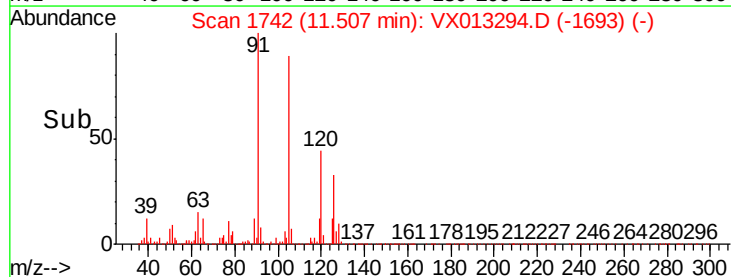
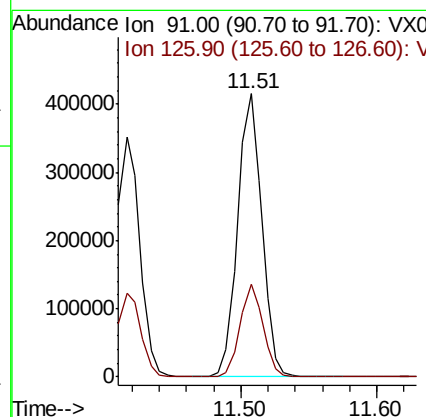
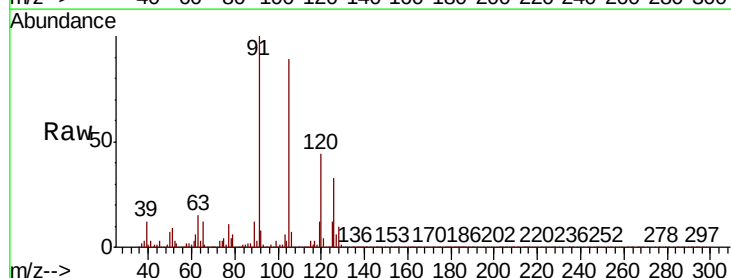
Instrument :
MSVOA_X
ClientSampleId :

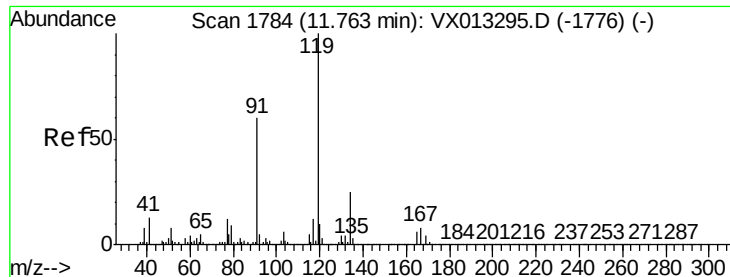
Tot Ion: 75 Resp: 72396
Ion Ratio Lower Upper
75 100
53 110.2 81.0 121.6
89 45.0 36.0 54.0



#82
4-Chlorotoluene
Concen: 19.527 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Tgt Ion: 91 Resp: 511710
Ion Ratio Lower Upper
91 100
126 31.2 15.3 45.8

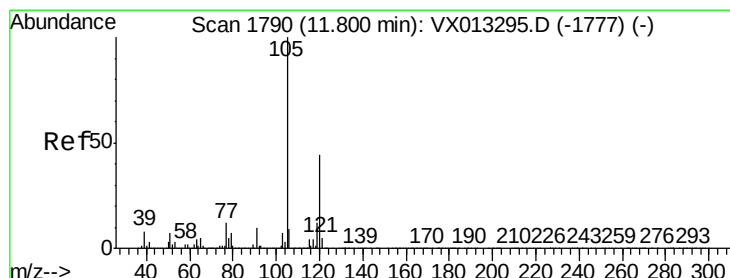
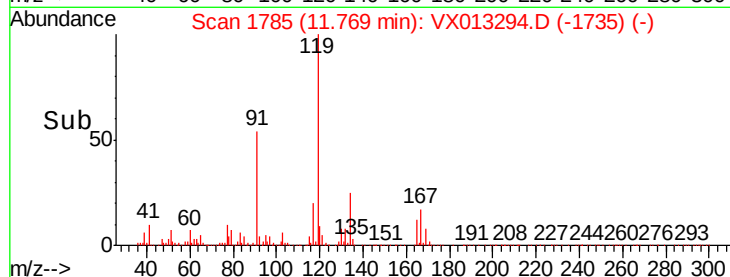
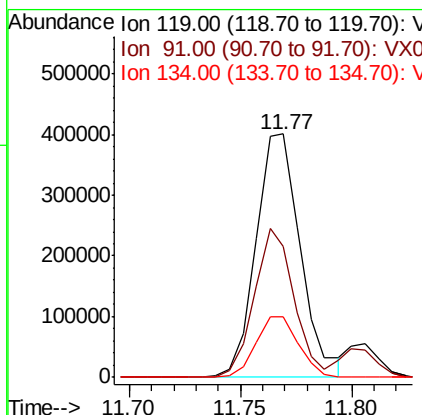
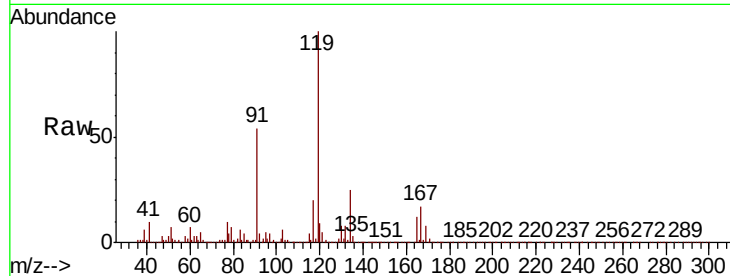




#83
 tert-Butylbenzene
 Concen: 19.908 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. 0.01 min
 Lab File: VX013294.D
 Acq: 31 Oct 2019 17:05

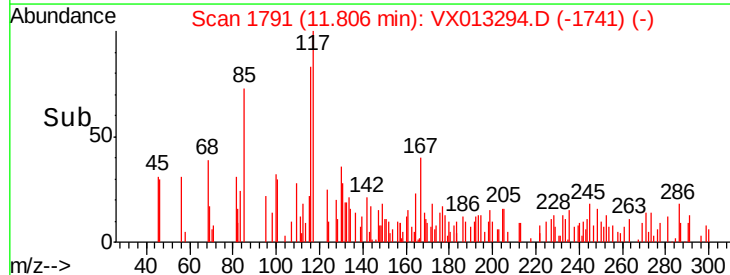
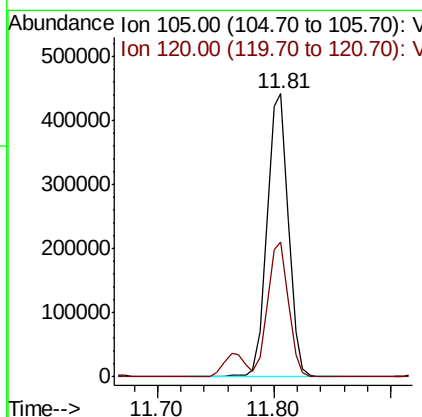
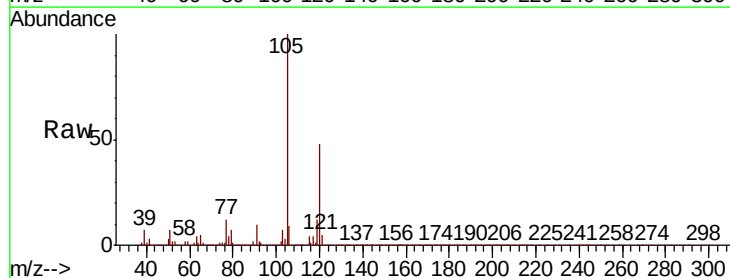
Instrument :
 MSVOA_X
 ClientSampleId :

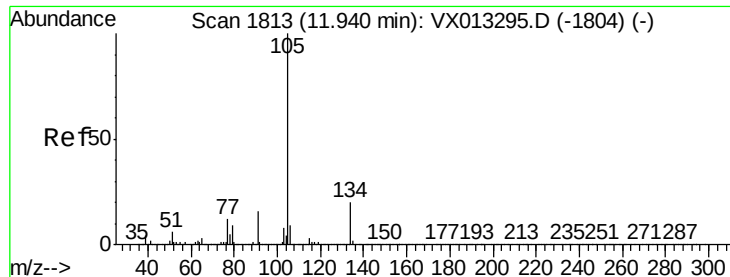
Tot Ion	Ratio	Lower	Upper
119	100		
91	54.5	26.9	80.7
134	24.3	11.7	35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 19.506 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.01 min
 Lab File: VX013294.D
 Acq: 31 Oct 2019 17:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	22.7	68.1





#85

sec-Butylbenzene

Concen: 19.412 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

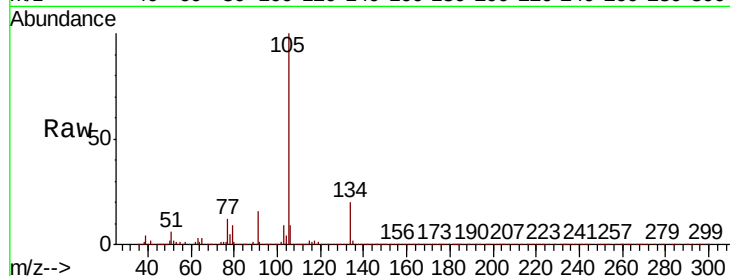
ClientSampleId :

Tot Ion:105 Resp: 630807

Ion Ratio Lower Upper

105 100

134 20.9 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

600000

500000

400000

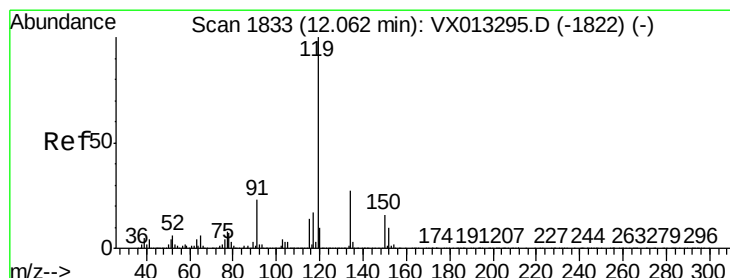
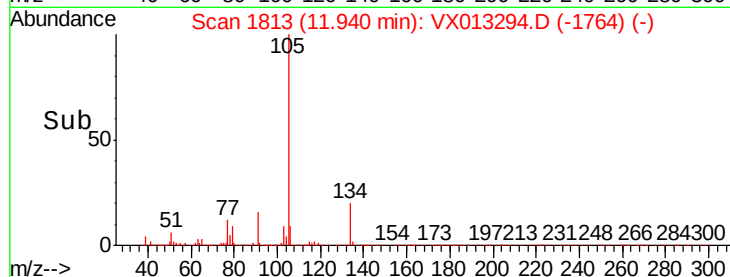
300000

200000

100000

0

Time--> 11.85 11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 19.692 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

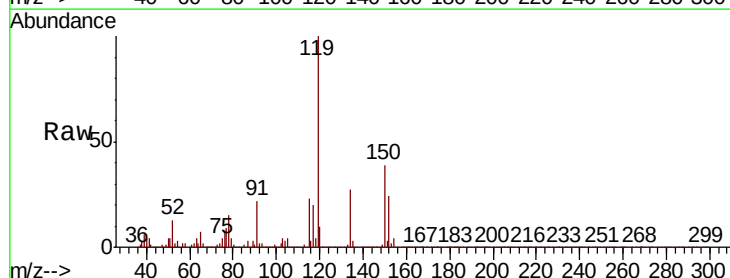
Tgt Ion:119 Resp: 592120

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.8

91 23.0 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

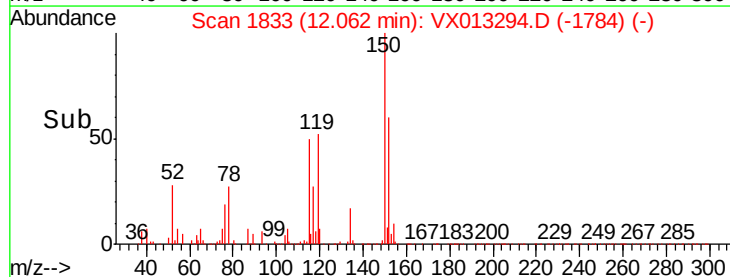
600000

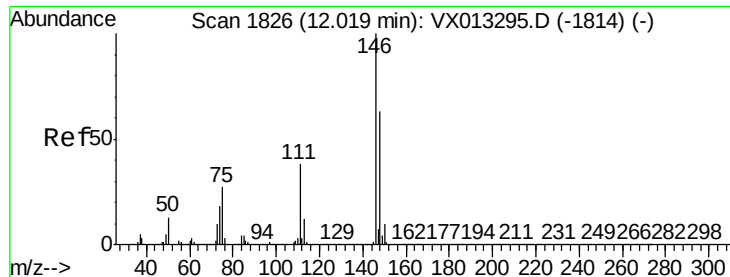
400000

200000

0

Time--> 12.00 12.05 12.10 12.20

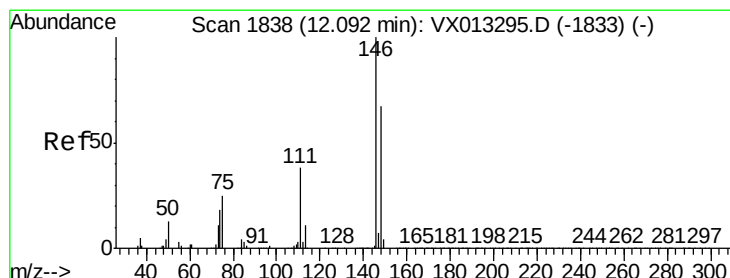
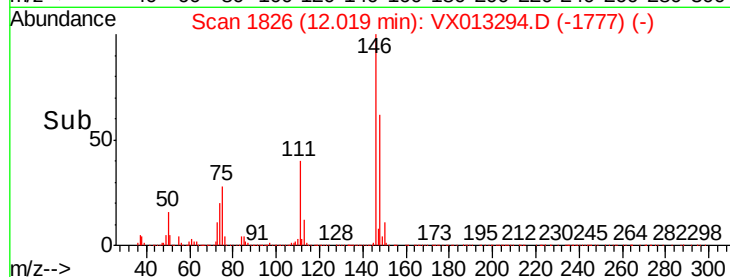
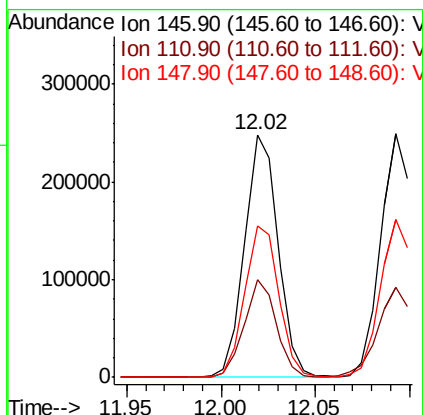
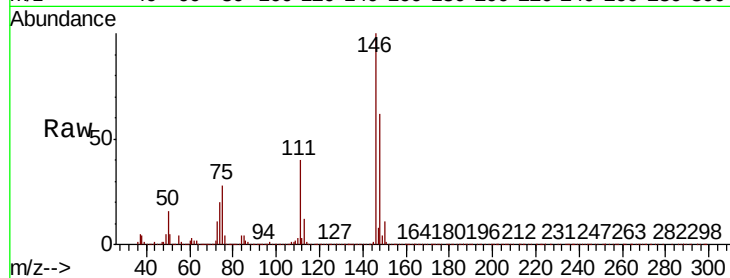




#87
 1,3-Dichlorobenzene
 Concen: 18.956 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX013294.D
 Acq: 31 Oct 2019 17:05

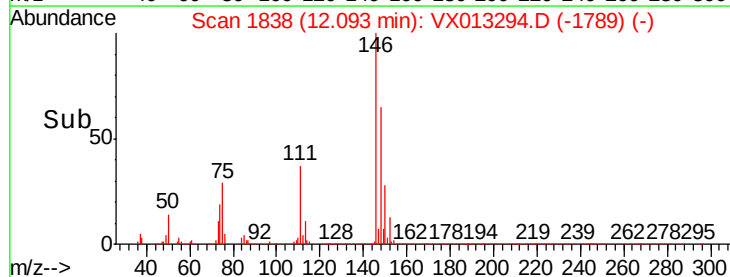
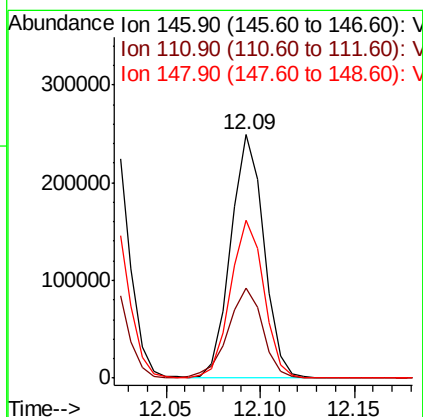
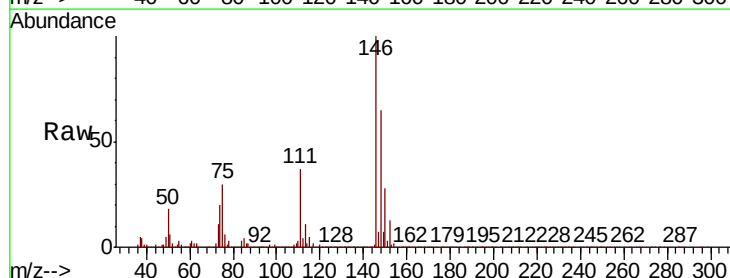
Instrument :
 MSVOA_X
 ClientSampleId :

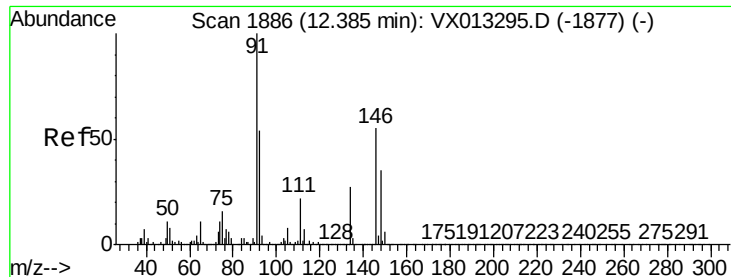
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.9	56.5
148	63.6	31.9	95.7



#88
 1,4-Dichlorobenzene
 Concen: 18.316 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX013294.D
 Acq: 31 Oct 2019 17:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.8	56.4
148	65.9	32.4	97.0

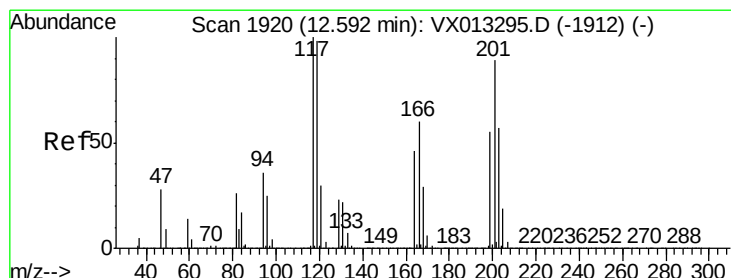
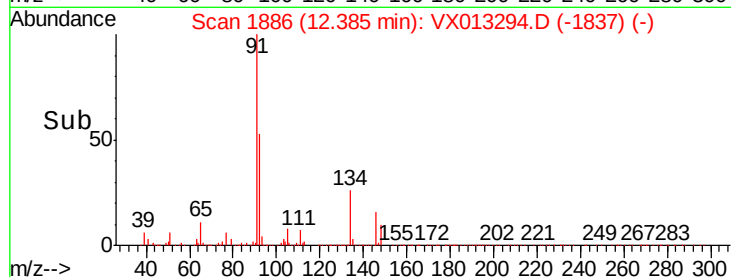
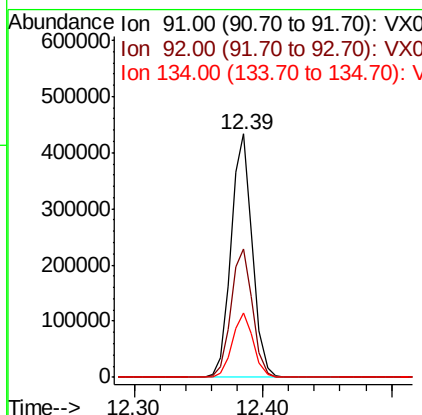
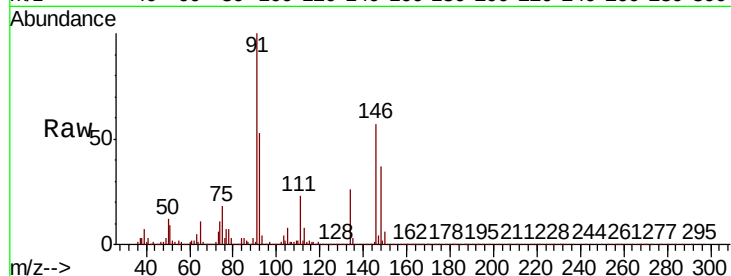




#89
n-Butylbenzene
Concen: 19.411 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

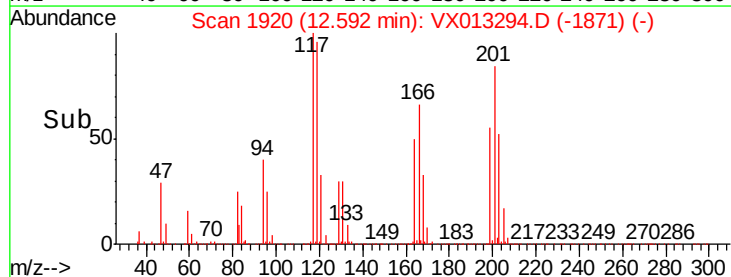
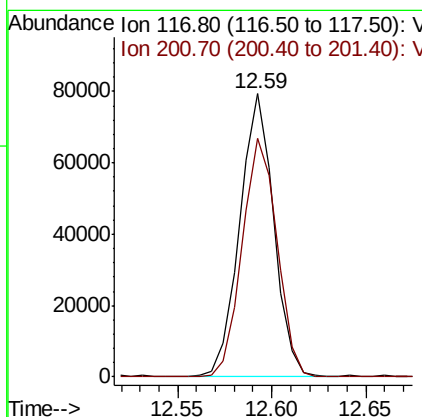
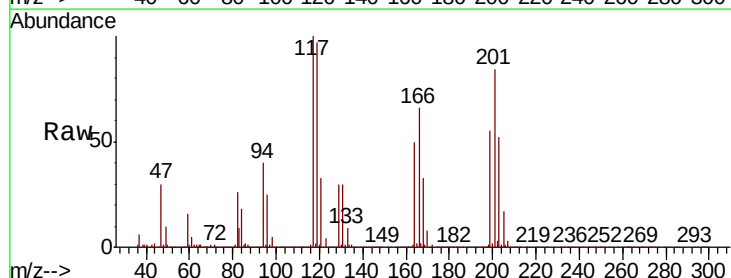
Instrument :
MSVOA_X
ClientSampled :

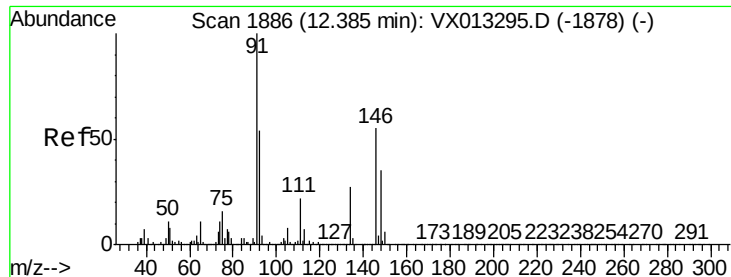
Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.3	81.8
134	26.1	13.5	40.5



#90
Hexachloroethane
Concen: 20.500 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.5	43.9	131.7

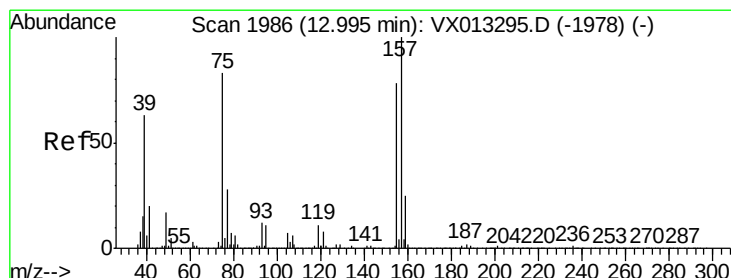
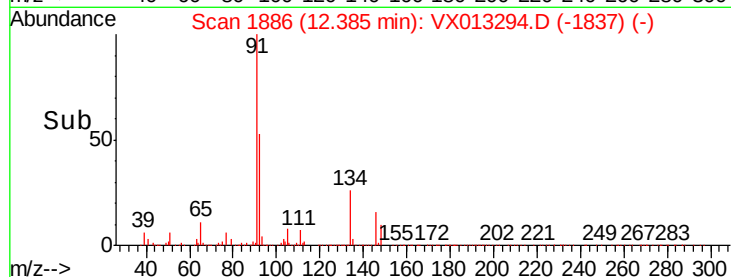
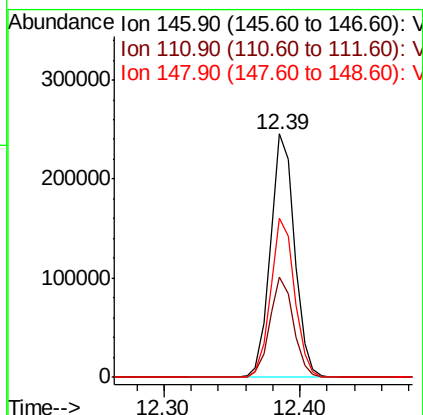
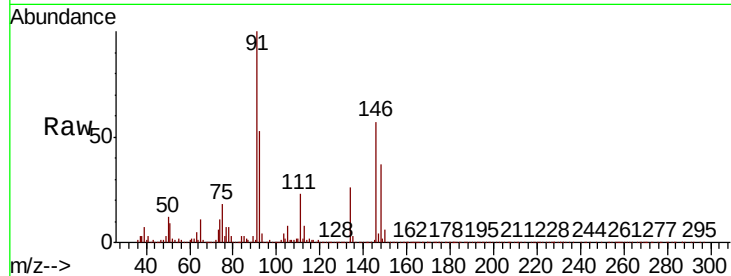




#91
 1,2-Dichlorobenzene
 Concen: 19.094 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX013294.D
 Acq: 31 Oct 2019 17:05

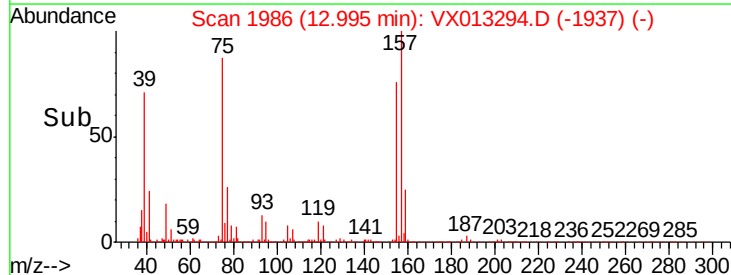
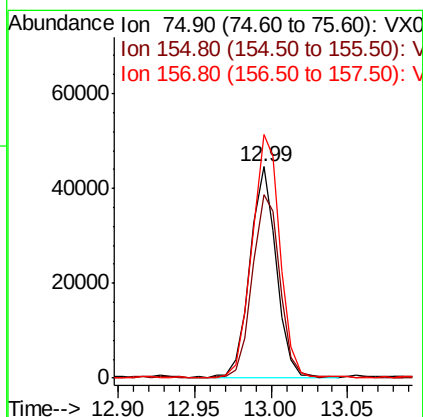
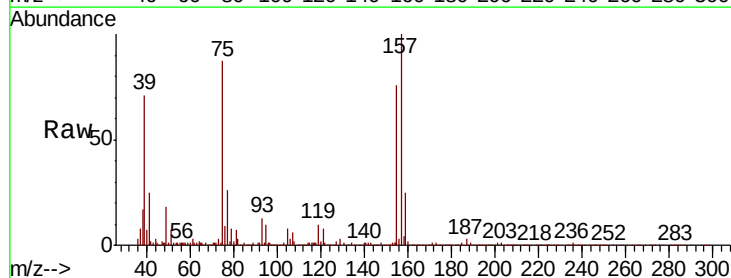
Instrument :
 MSVOA_X
 ClientSampleId :

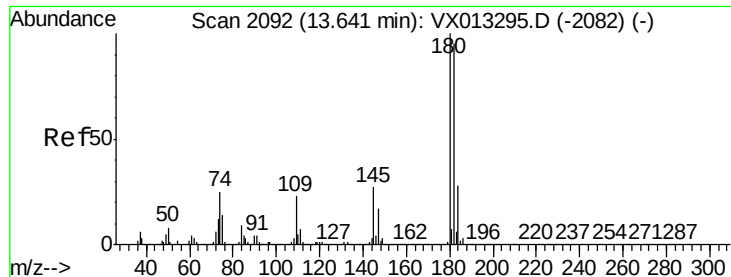
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.1	60.2
148	65.1	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.228 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX013294.D
 Acq: 31 Oct 2019 17:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.2	47.1	141.4
157	122.1	61.3	183.8





#93

1,2,4-Trichlorobenzene

Concen: 19.066 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

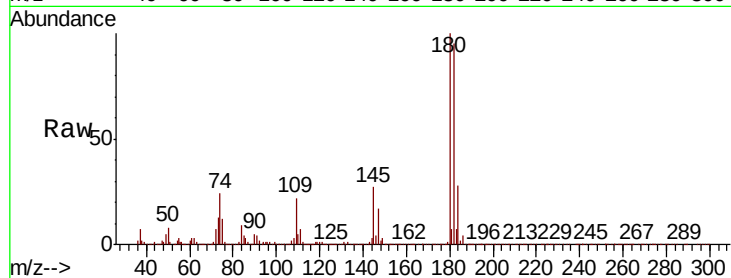
Tot Ion:180 Resp: 207550

Ion Ratio Lower Upper

180 100

182 95.6 48.4 145.0

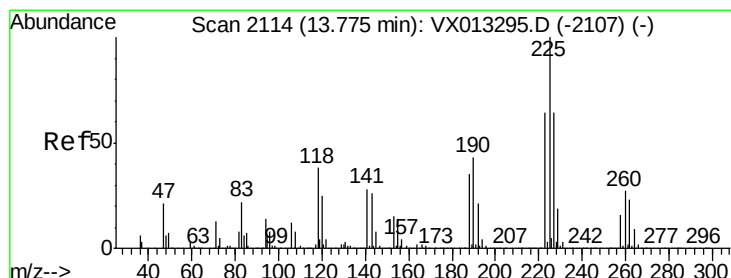
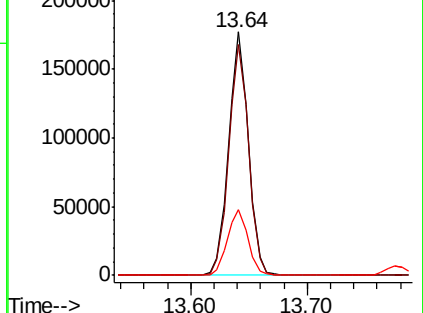
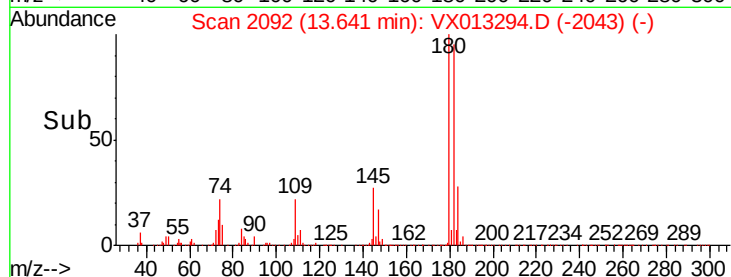
145 27.9 14.1 42.4



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: 19.044 ug/l

RT: 13.78 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

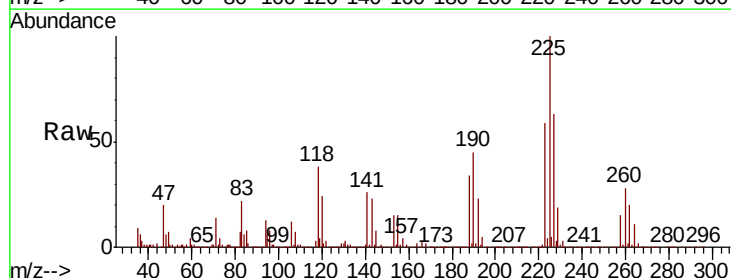
Tgt Ion:225 Resp: 102491

Ion Ratio Lower Upper

225 100

223 59.4 31.9 95.7

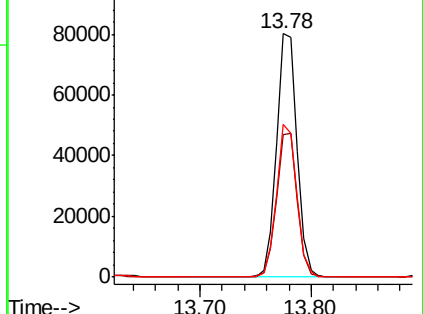
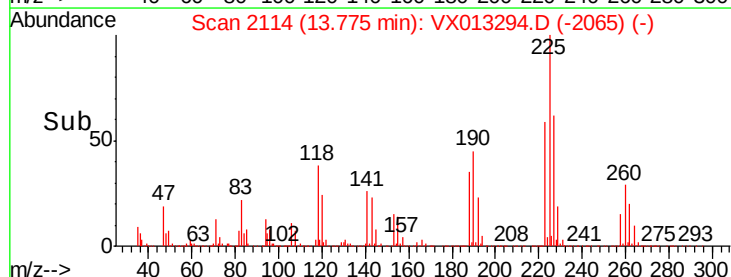
227 61.5 31.9 95.9

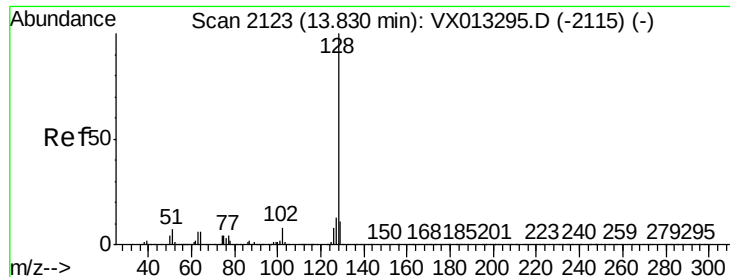


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

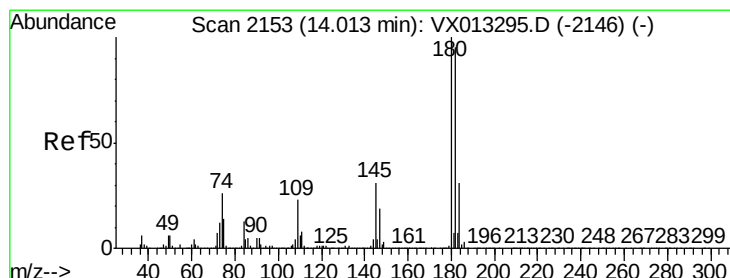
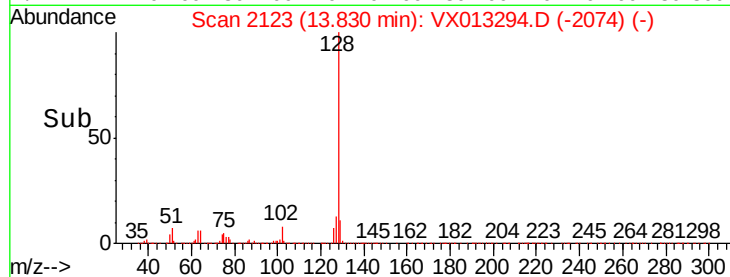
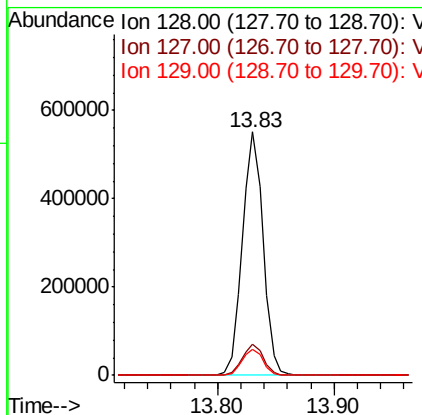
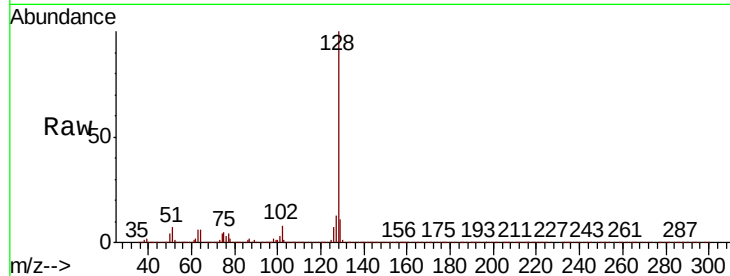




#95
Naphthalene
Concen: 20.964 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	10.9	8.5	12.7



#96
1,2,3-Trichlorobenzene
Concen: 19.644 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.0	144.2
145	30.5	15.4	46.4

