

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX103119\
 Data File : VX013293.D
 Acq On : 31 Oct 2019 16:42
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Quant Time: Nov 02 06:39:59 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	697334	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1057337	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	934401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	461703	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	43382	5.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.38%	
35) Dibromofluoromethane	5.49	113	34987	5.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.44%	
50) Toluene-d8	8.71	98	127081	5.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.10%	
62) 4-Bromofluorobenzene	11.13	95	44678	4.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	39467	5.913	ug/l	100
3) Chloromethane	1.31	50	44552	6.510	ug/l	98
4) Vinyl Chloride	1.40	62	48261	6.737	ug/l	99
5) Bromomethane	1.62	94	36114	8.260	ug/l	99
6) Chloroethane	1.71	64	35797	7.996	ug/l	93
7) Trichlorofluoromethane	1.92	101	62106	5.573	ug/l	98
8) Diethyl Ether	2.18	74	27514	6.765	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	36733	5.769	ug/l	97
10) Methyl Iodide	2.50	142	33436	4.060	ug/l	98
11) Tert butyl alcohol	3.04	59	68635	37.876	ug/l #	95
12) 1,1-Dichloroethene	2.36	96	34286	5.479	ug/l	97
13) Acrolein	2.28	56	28585	27.248	ug/l	92
14) Allyl chloride	2.72	41	62979	6.634	ug/l	95
15) Acrylonitrile	3.13	53	107346	29.514	ug/l	98
16) Acetone	2.43	43	109881	31.333	ug/l	96
17) Carbon Disulfide	2.56	76	85833	5.308	ug/l	99
18) Methyl Acetate	2.76	43	56391	6.681	ug/l	93
19) Methyl tert-butyl Ether	3.18	73	112731	5.503	ug/l	96
20) Methylene Chloride	2.84	84	40685	5.654	ug/l	93
21) trans-1,2-Dichloroethene	3.15	96	38526	5.770	ug/l	97
22) Diisopropyl ether	3.84	45	119822	6.031	ug/l	89
23) Vinyl Acetate	3.80	43	505967	30.236	ug/l	100
24) 1,1-Dichloroethane	3.68	63	66463	5.834	ug/l	97
25) 2-Butanone	4.67	43	158355	31.226	ug/l	96
26) 2,2-Dichloropropane	4.56	77	50990	5.496	ug/l	90
27) cis-1,2-Dichloroethene	4.59	96	40817	5.268	ug/l	94
28) Bromochloromethane	5.00	49	17990	3.606	ug/l	90
29) Tetrahydrofuran	5.12	42	97766	30.398	ug/l	99
30) Chloroform	5.20	83	66065	5.436	ug/l	99
31) Cyclohexane	5.56	56	57684	5.564	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	53506	5.125	ug/l	96
36) 1,1-Dichloropropene	5.79	75	47683	5.395	ug/l	96
37) Ethyl Acetate	4.82	43	55886	5.994	ug/l	98
38) Carbon Tetrachloride	5.78	117	44220	4.865	ug/l	95

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 Data File : VX013293.D
 Acq On : 31 Oct 2019 16:42
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 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Quant Time: Nov 02 06:39:59 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	57742	5.107	ug/l	99
40) Benzene	6.13	78	149686	5.544	ug/l	96
41) Methacrylonitrile	5.03	41	33523	6.279	ug/l #	93
42) 1,2-Dichloroethane	6.18	62	53411	5.594	ug/l	99
43) Isopropyl Acetate	6.43	43	89831	5.876	ug/l	98
44) Trichloroethene	7.20	130	40181	5.095	ug/l	98
45) 1,2-Dichloropropane	7.51	63	39674	5.751	ug/l	97
46) Dibromomethane	7.66	93	26212	5.378	ug/l	97
47) Bromodichloromethane	7.89	83	46073	5.243	ug/l	98
48) Methyl methacrylate	7.76	41	43822	5.816	ug/l	93
49) 1,4-Dioxane	7.74	88	19765	98.112	ug/l #	87
51) 4-Methyl-2-Pentanone	8.64	43	299086	30.169	ug/l	98
52) Toluene	8.78	92	90992	5.171	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	48301	5.095	ug/l	95
54) cis-1,3-Dichloropropene	8.43	75	56113	5.341	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	39646	5.458	ug/l	96
56) Ethyl methacrylate	9.17	69	55022	5.133	ug/l	98
57) 1,3-Dichloropropane	9.37	76	66217	5.682	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	117889	23.267	ug/l	100
59) 2-Hexanone	9.49	43	225574	29.399	ug/l	99
60) Dibromochloromethane	9.57	129	35939	4.905	ug/l	98
61) 1,2-Dibromoethane	9.67	107	40816	5.307	ug/l	99
64) Tetrachloroethene	9.33	164	34595	4.754	ug/l	93
65) Chlorobenzene	10.14	112	103155	5.358	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.21	131	37134	5.483	ug/l	95
67) Ethyl Benzene	10.25	91	173330	5.282	ug/l	96
68) m/p-Xylenes	10.35	106	131028	10.410	ug/l	97
69) o-Xylene	10.70	106	63065	5.151	ug/l	96
70) Styrene	10.71	104	101769	4.979	ug/l	99
71) Bromoform	10.85	173	25673	4.730	ug/l #	96
73) Isopropylbenzene	11.01	105	168302	5.356	ug/l	100
74) N-amyl acetate	10.89	43	71765	5.752	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	61643	5.912	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	63561	7.515	ug/l	81
77) Bromobenzene	11.25	156	43749	5.080	ug/l	96
78) n-propylbenzene	11.35	91	184304	5.297	ug/l	99
79) 2-Chlorotoluene	11.42	91	112288	5.380	ug/l	96
80) 1,3,5-Trimethylbenzene	11.50	105	137205	5.241	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	15352	4.823	ug/l	91
82) 4-Chlorotoluene	11.51	91	128164	5.277	ug/l	99
83) tert-Butylbenzene	11.76	119	139440	5.381	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	134957	5.107	ug/l	98
85) sec-Butylbenzene	11.94	105	156751	5.204	ug/l	99
86) p-Isopropyltoluene	12.06	119	142688	5.120	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	78534	5.245	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	78972	5.160	ug/l	93
89) n-Butylbenzene	12.38	91	117063	4.901	ug/l	99
90) Hexachloroethane	12.59	117	24328	5.434	ug/l	96
91) 1,2-Dichlorobenzene	12.38	146	79125	5.334	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	13730	6.172	ug/l	89

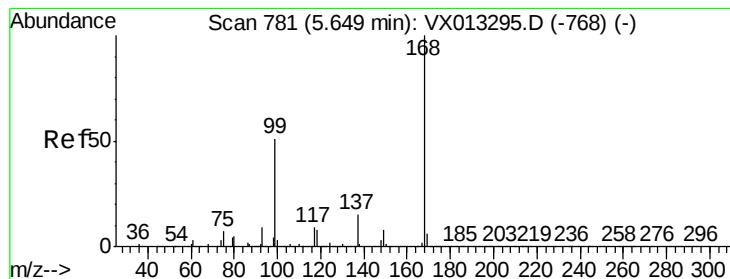
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX103119\
Data File : VX013293.D
Acq On : 31 Oct 2019 16:42
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Nov 02 06:39:59 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)
93) 1,2,4-Trichlorobenzene	13.64	180	50615	5.016	ug/l	99
94) Hexachlorobutadiene	13.77	225	25326	5.077	ug/l	95
95) Naphthalene	13.83	128	154954	5.105	ug/l	98
96) 1,2,3-Trichlorobenzene	14.01	180	53200	5.278	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: VX013293.D

Acq: 31 Oct 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

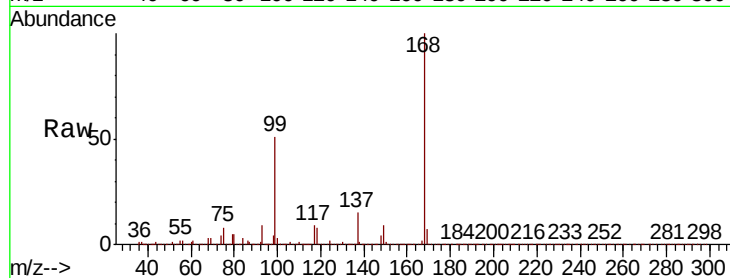
VSTDIC005

Tot Ion:168 Resp: 697334

Ion Ratio Lower Upper

168 100

99 50.9 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

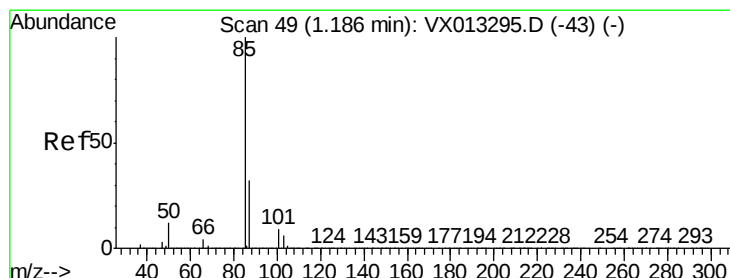
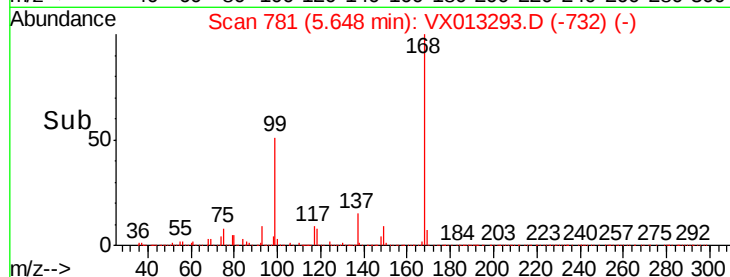
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50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 5.913 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX013293.D

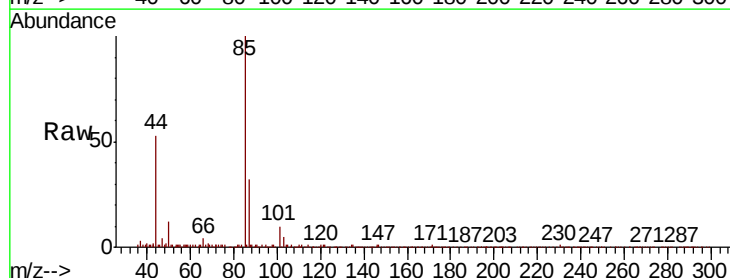
Acq: 31 Oct 2019 16:42

Tgt Ion: 85 Resp: 39467

Ion Ratio Lower Upper

85 100

87 31.7 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

40000

30000

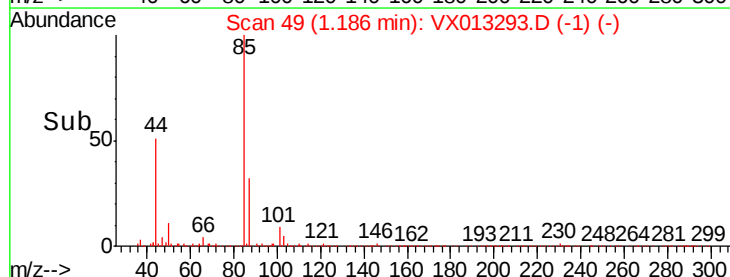
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10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 6.510 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX013293.D

Acq: 31 Oct 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

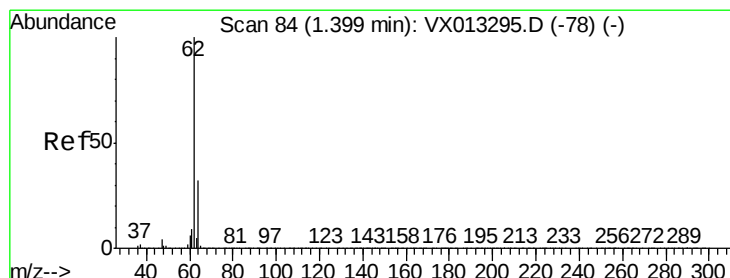
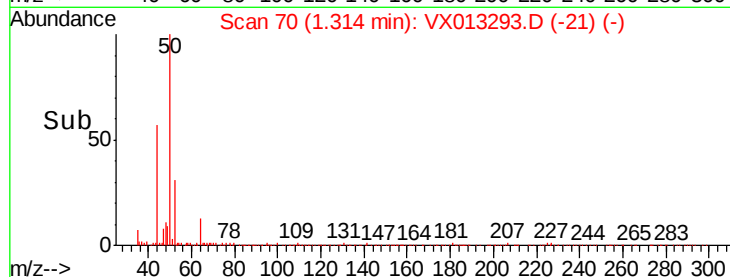
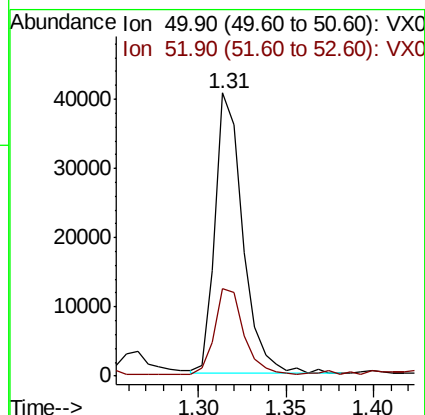
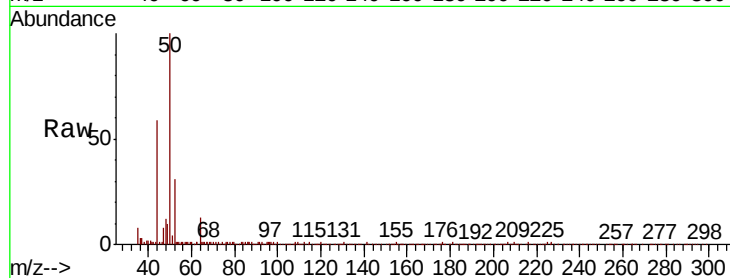
VSTDIC005

Tot Ion: 50 Resp: 44552

Ion Ratio Lower Upper

50 100

52 30.9 25.5 38.3



#4

Vinyl Chloride

Concen: 6.737 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013293.D

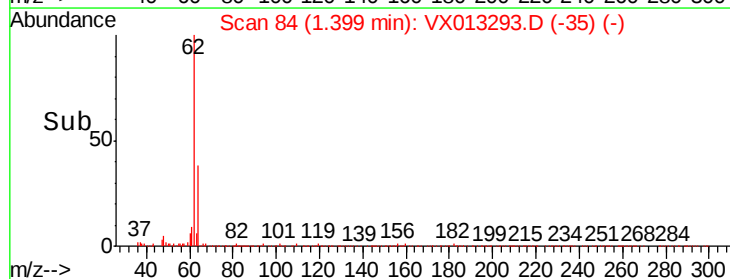
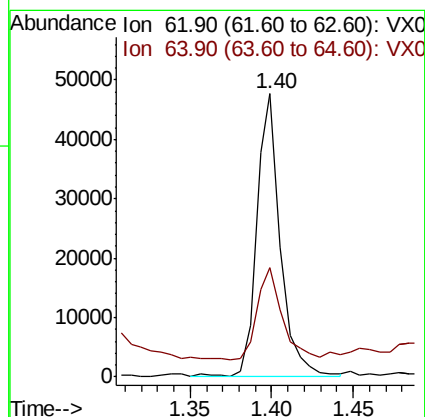
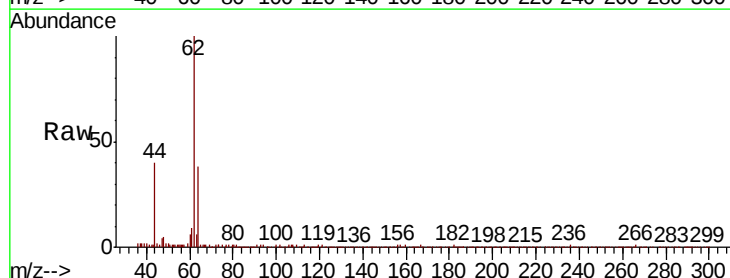
Acq: 31 Oct 2019 16:42

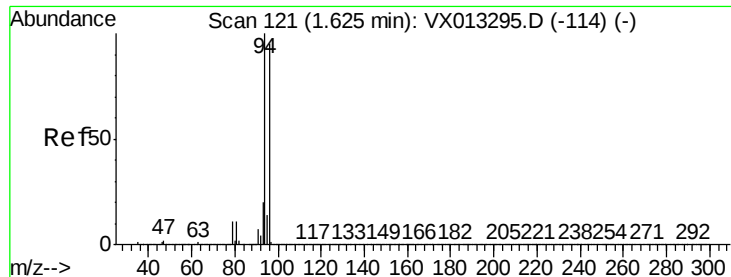
Tgt Ion: 62 Resp: 48261

Ion Ratio Lower Upper

62 100

64 31.3 25.6 38.4





#5

Bromomethane

Concen: 8.260 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX013293.D

Acq: 31 Oct 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

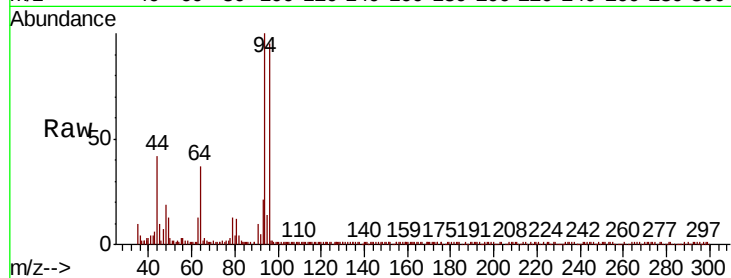
VSTDIC005

Tot Ion: 94 Resp: 36114

Ion Ratio Lower Upper

94 100

96 95.9 75.8 113.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

40000

30000

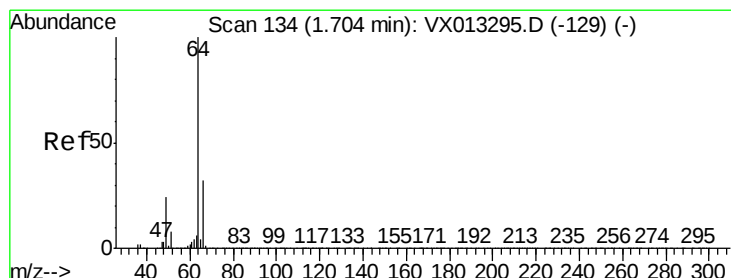
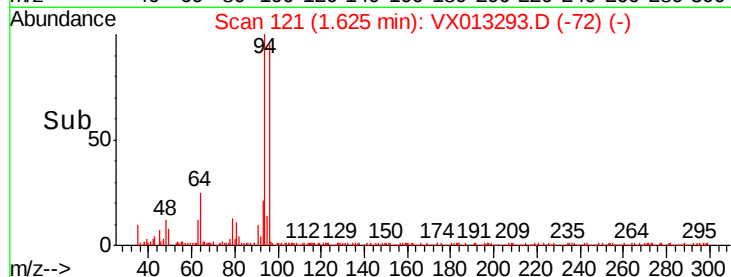
20000

10000

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Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 7.996 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX013293.D

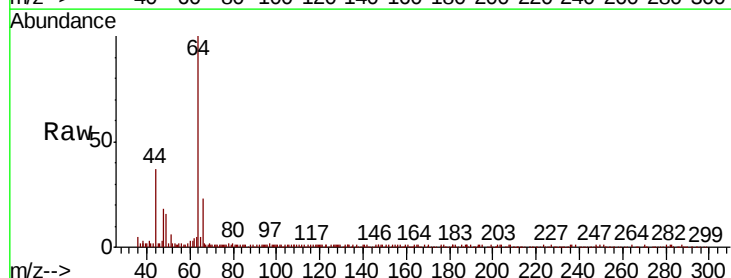
Acq: 31 Oct 2019 16:42

Tgt Ion: 64 Resp: 35797

Ion Ratio Lower Upper

64 100

66 28.4 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

30000

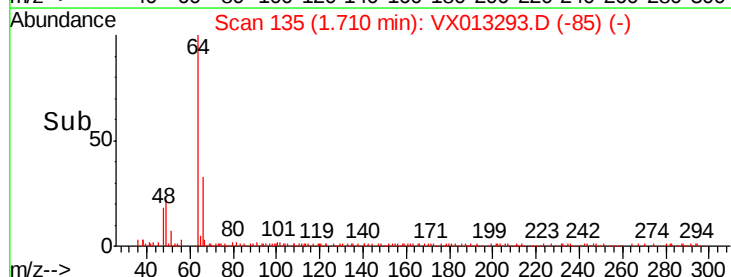
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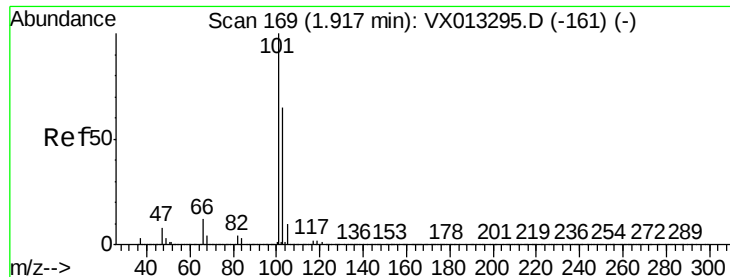
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Time-->

1.65 1.70 1.75



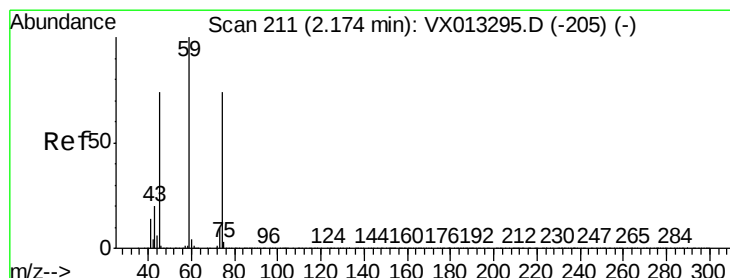
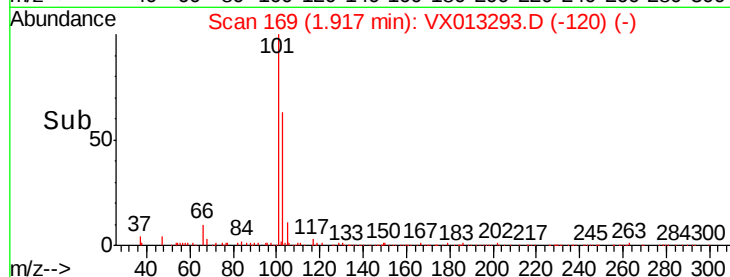
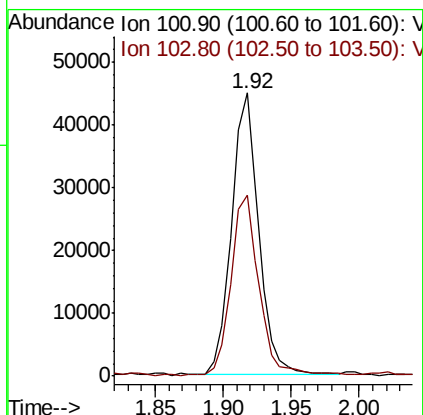
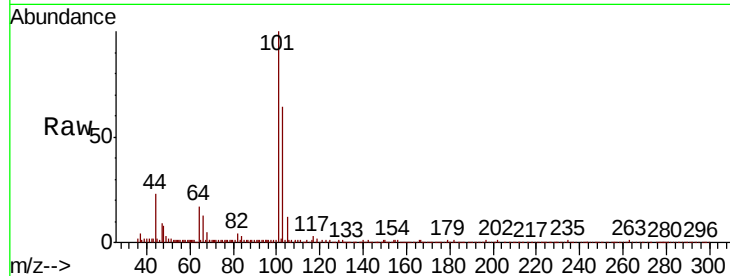


#7

Trichlorofluoromethane
 Concen: 5.573 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VX013293.D
 Acq: 31 Oct 2019 16:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

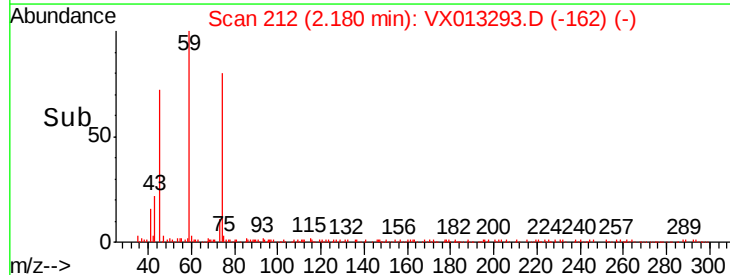
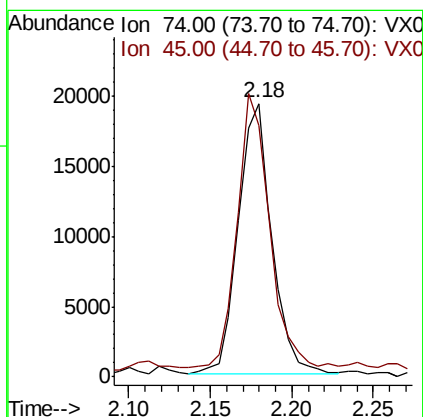
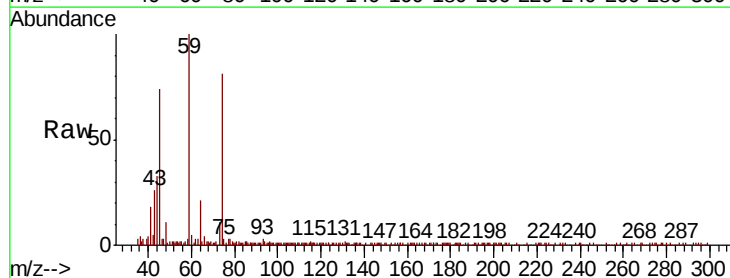
Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.3	78.5

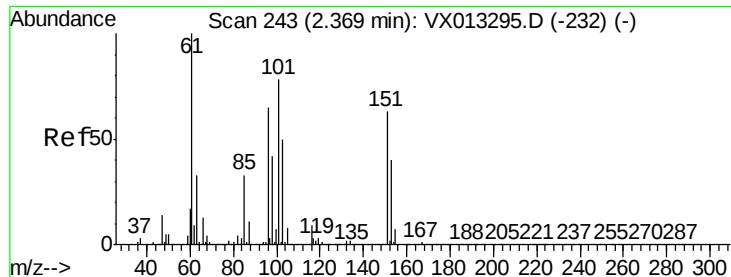


#8

Diethyl Ether
 Concen: 6.765 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.01 min
 Lab File: VX013293.D
 Acq: 31 Oct 2019 16:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.1	48.5	145.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.769 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX013293.D

Acq: 31 Oct 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

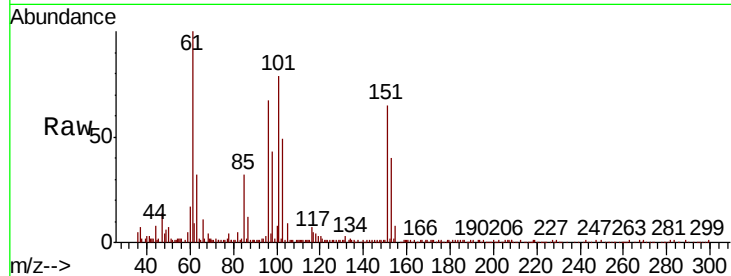
Tot Ion:101 Resp: 36733

Ion Ratio Lower Upper

101 100

85 39.6 34.4 51.6

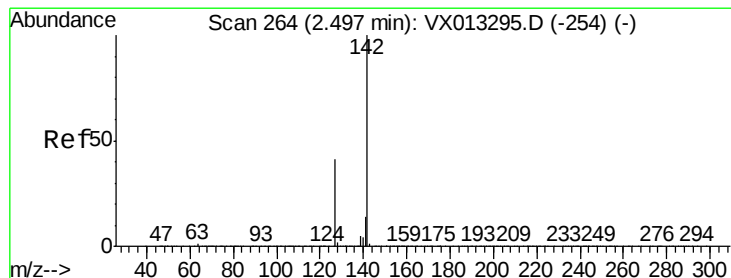
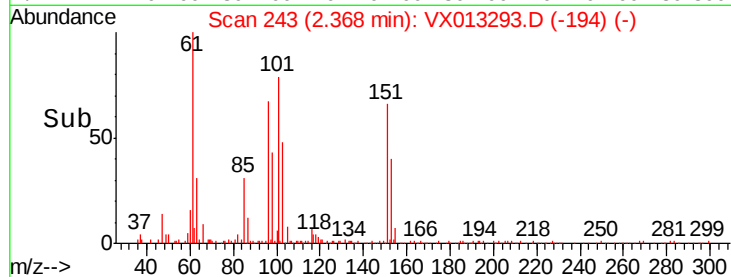
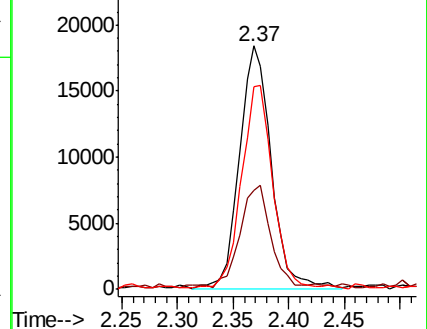
151 81.6 66.4 99.6



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: 4.060 ug/l

RT: 2.50 min Scan# 264

Delta R.T. -0.00 min

Lab File: VX013293.D

Acq: 31 Oct 2019 16:42

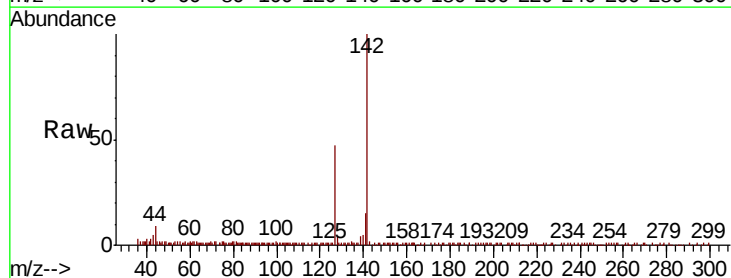
Tgt Ion:142 Resp: 33436

Ion Ratio Lower Upper

142 100

127 42.3 32.6 49.0

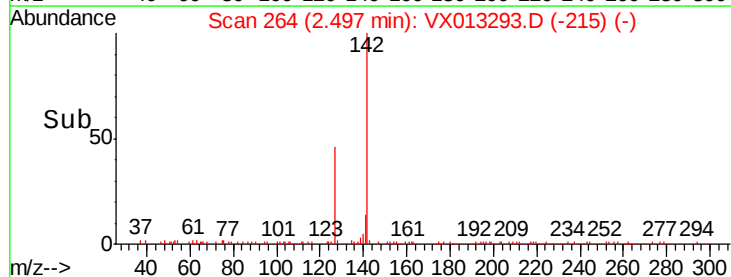
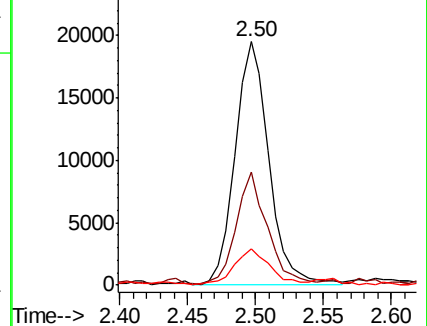
141 15.3 11.6 17.4

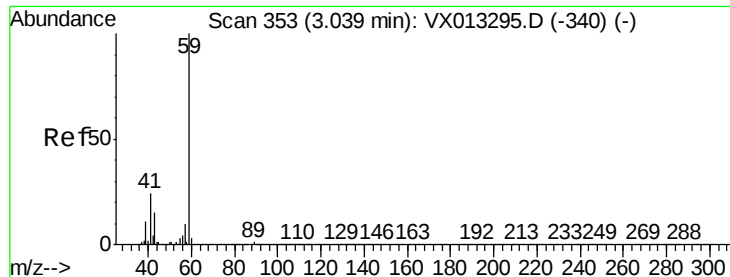


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

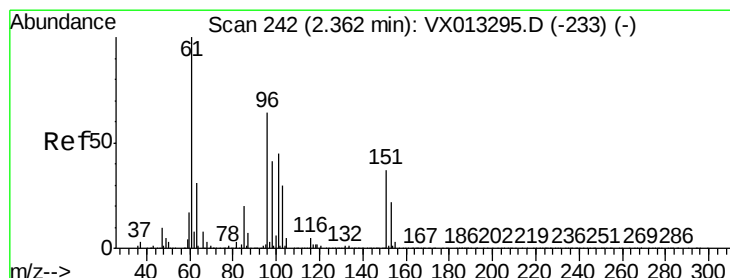
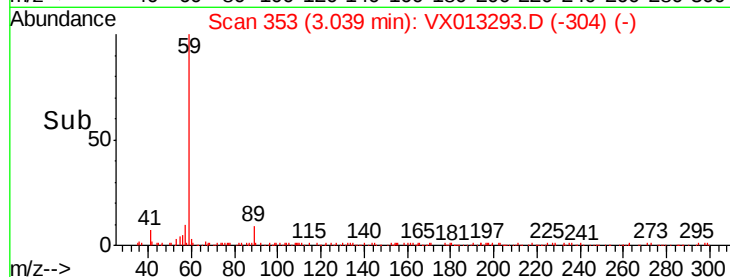
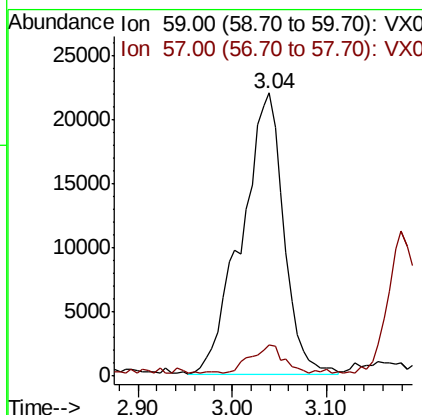
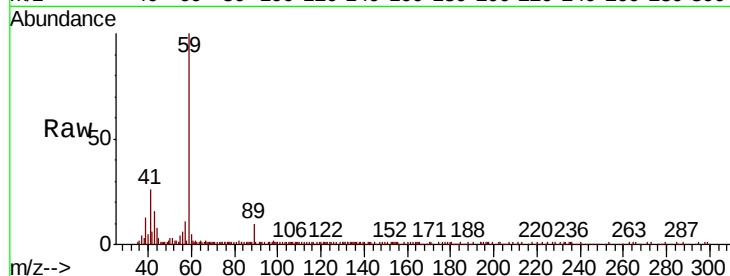




#11
Tert butyl alcohol
Concen: 37.876 ug/l
RT: 3.04 min Scan# 353
Delta R.T. -0.00 min
Lab File: VX013293.D
Acq: 31 Oct 2019 16:42

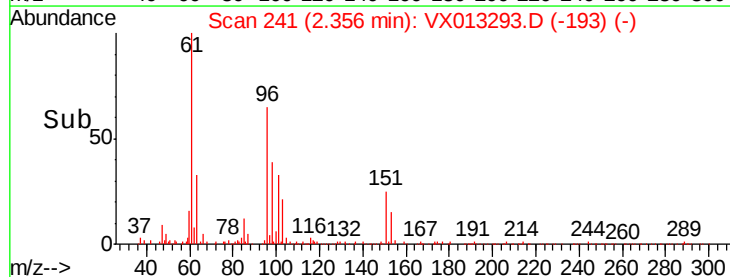
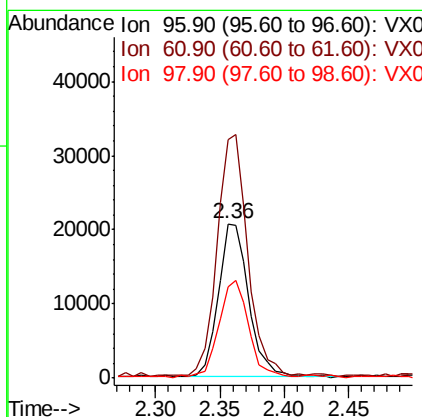
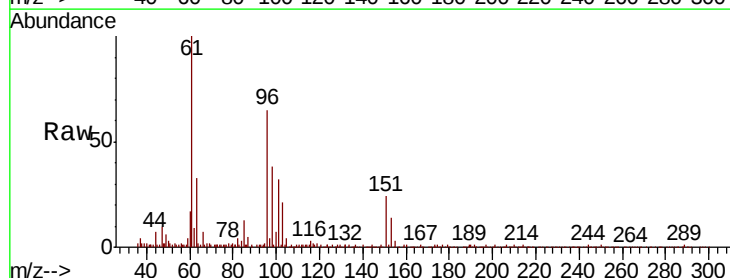
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

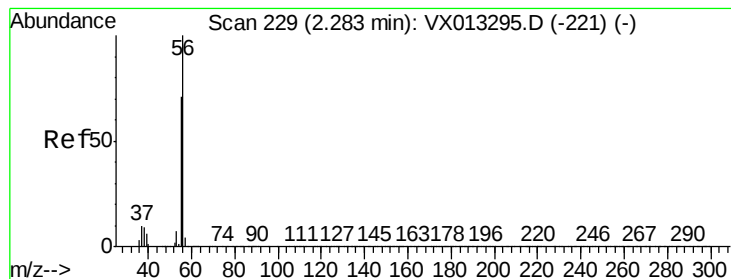
Tot Ion: 59 Resp: 68635
Ion Ratio Lower Upper
59 100
57 8.0 8.0 12.0#



#12
1,1-Dichloroethene
Concen: 5.479 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.01 min
Lab File: VX013293.D
Acq: 31 Oct 2019 16:42

Tgt Ion: 96 Resp: 34286
Ion Ratio Lower Upper
96 100
61 154.5 125.0 187.6
98 58.7 50.7 76.1





#13

Acrolein

Concen: 27.248 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013293.D

Acq: 31 Oct 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

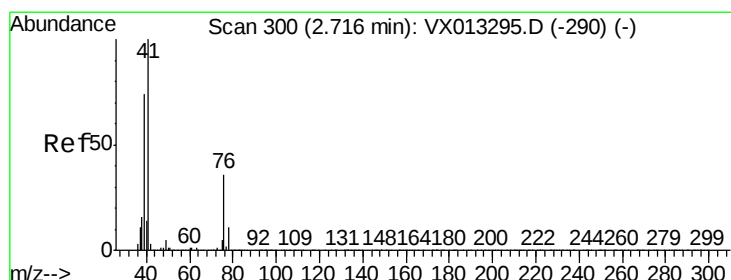
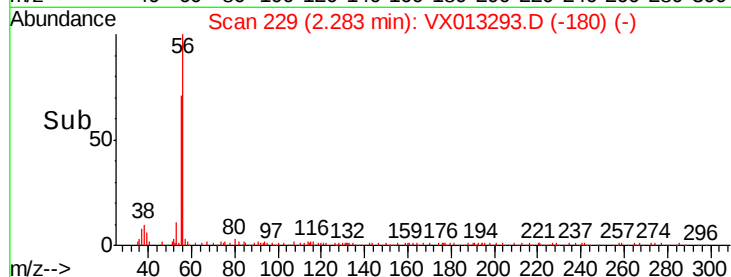
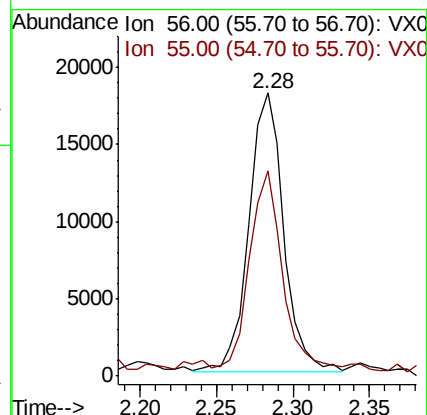
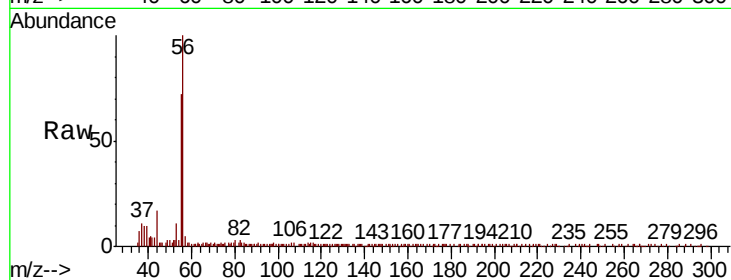
VSTDIC005

Tot Ion: 56 Resp: 28585

Ion Ratio Lower Upper

56 100

55 65.3 57.4 86.0



#14

Allyl chloride

Concen: 6.634 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX013293.D

Acq: 31 Oct 2019 16:42

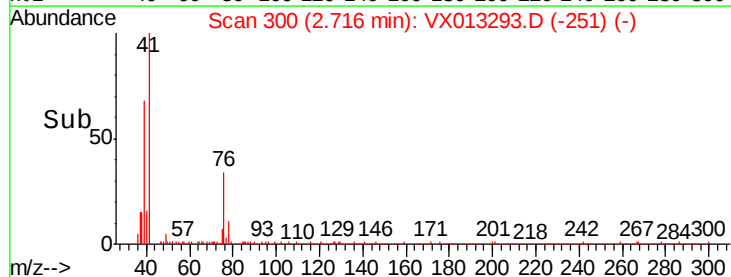
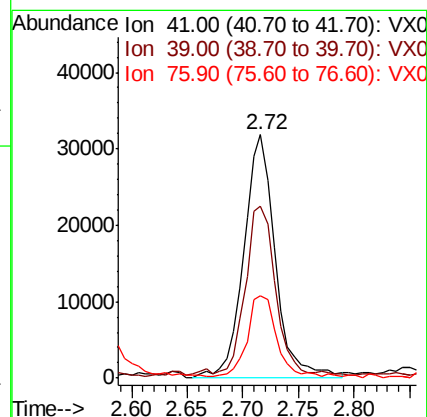
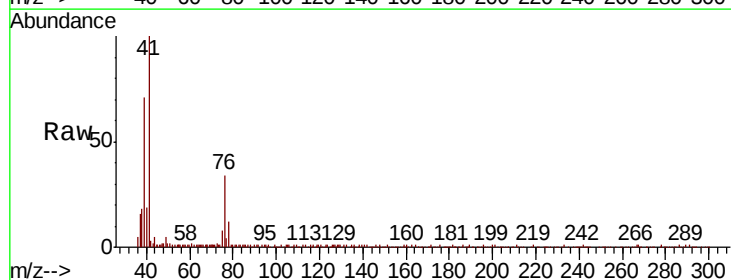
Tgt Ion: 41 Resp: 62979

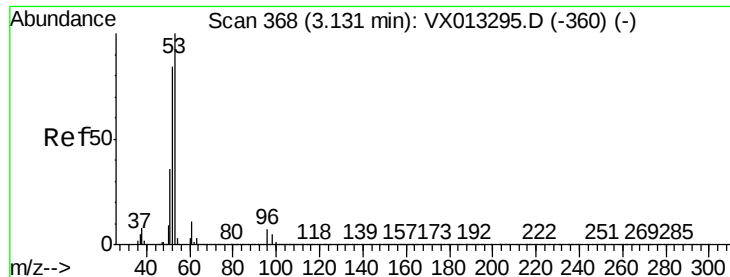
Ion Ratio Lower Upper

41 100

39 64.0 55.8 83.8

76 33.3 26.4 39.6





#15

Acrylonitrile

Concen: 29.514 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013293.D

Acq: 31 Oct 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

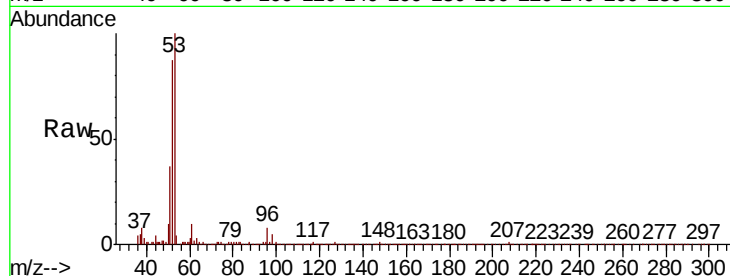
Tot Ion: 53 Resp: 107346

Ion Ratio Lower Upper

53 100

52 82.5 67.4 101.0

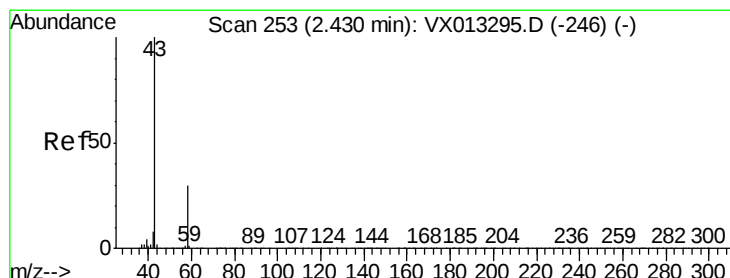
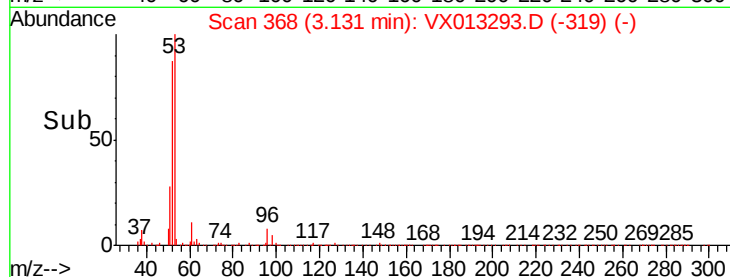
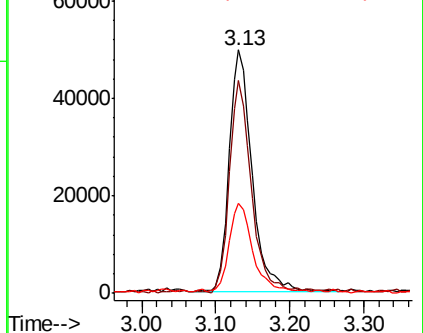
51 38.1 29.4 44.2



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: 31.333 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013293.D

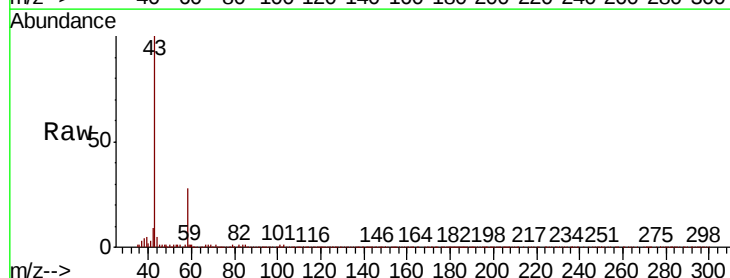
Acq: 31 Oct 2019 16:42

Tgt Ion: 43 Resp: 109881

Ion Ratio Lower Upper

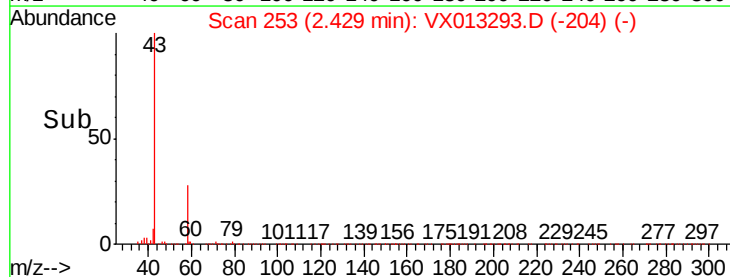
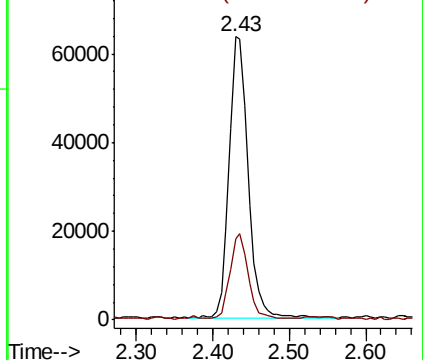
43 100

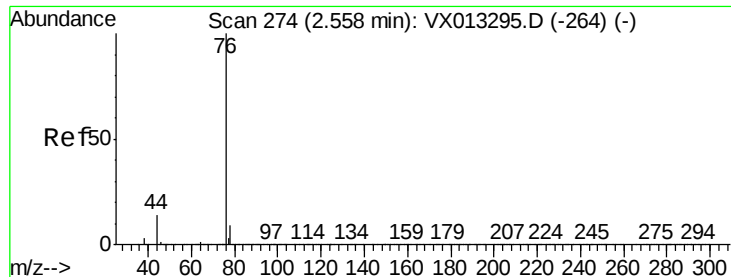
58 28.2 24.3 36.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 5.308 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX013293.D

Acq: 31 Oct 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

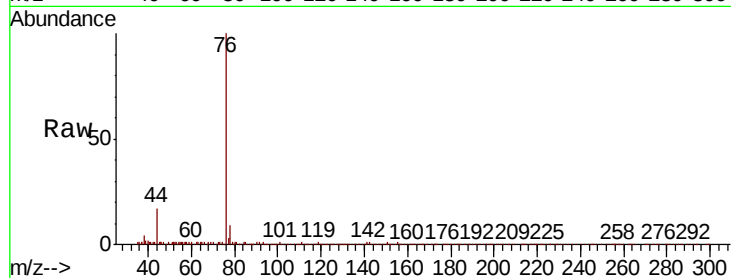
VSTDIC005

Tot Ion: 76 Resp: 85833

Ion Ratio Lower Upper

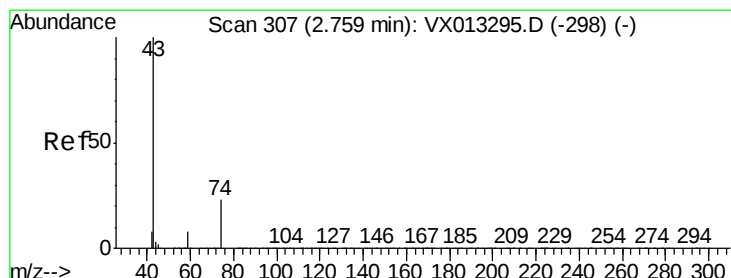
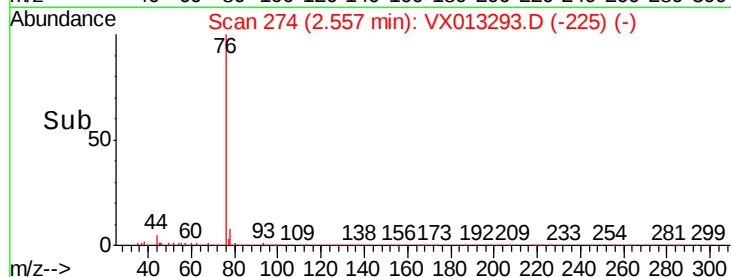
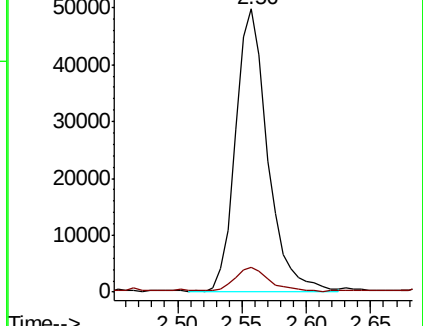
76 100

78 8.5 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: 6.681 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.01 min

Lab File: VX013293.D

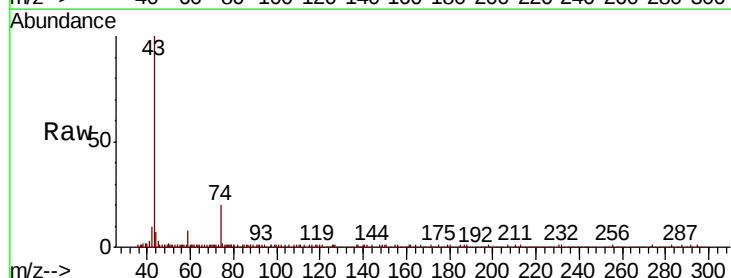
Acq: 31 Oct 2019 16:42

Tgt Ion: 43 Resp: 56391

Ion Ratio Lower Upper

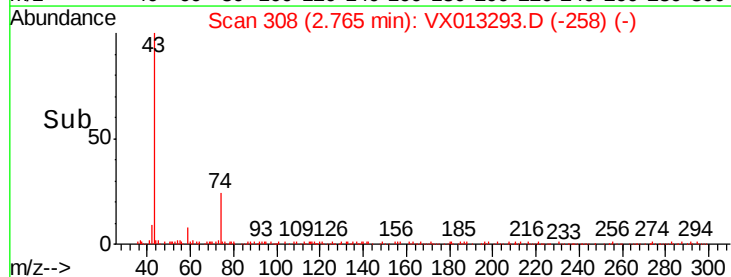
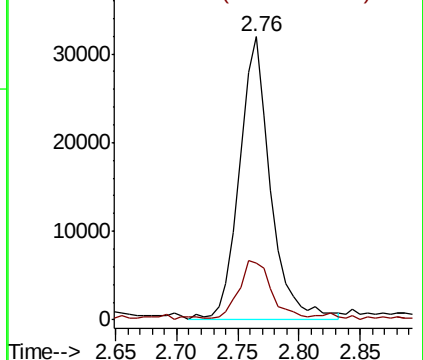
43 100

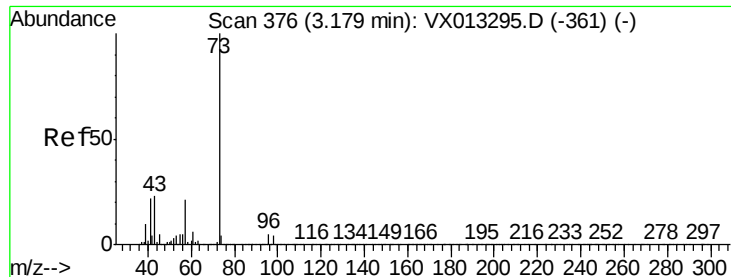
74 20.6 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

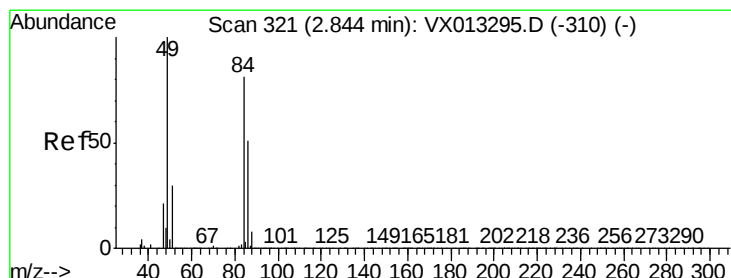
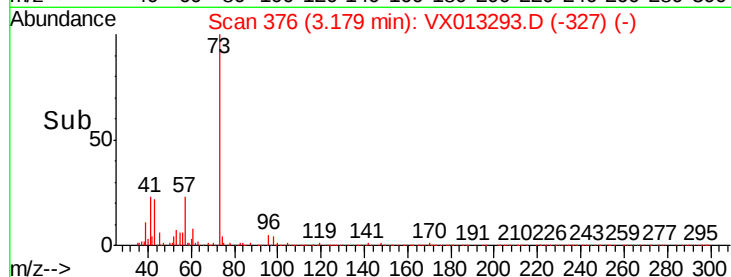
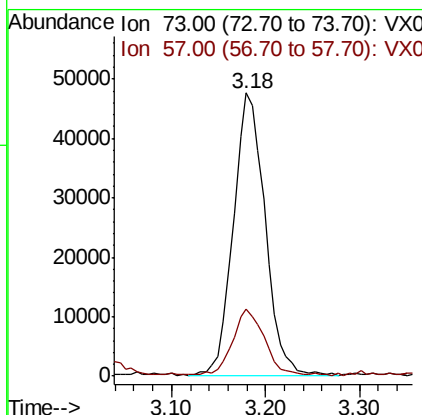
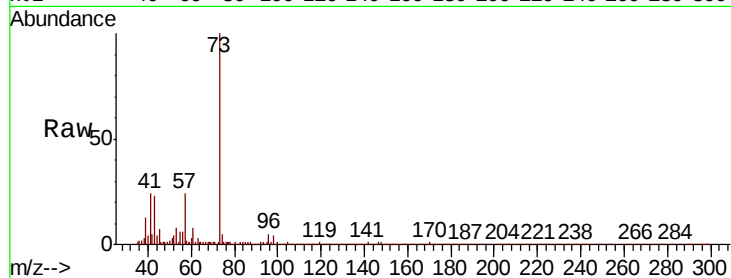




#19
Methyl tert-butyl Ether
Concen: 5.503 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX013293.D
Acq: 31 Oct 2019 16:42

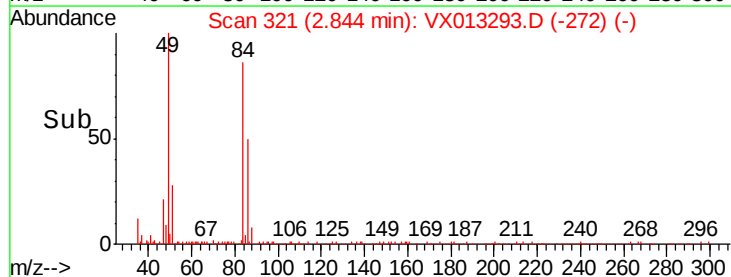
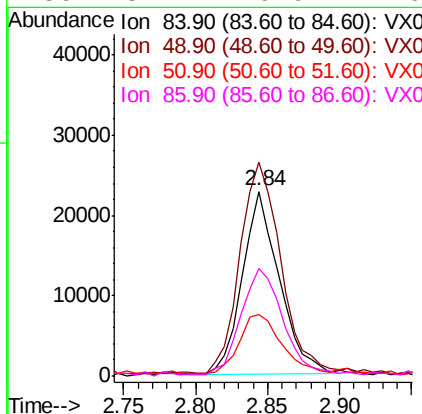
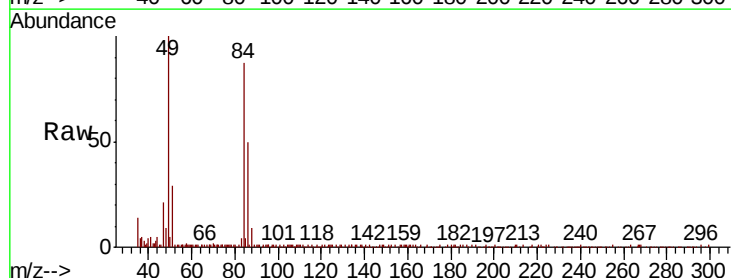
Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

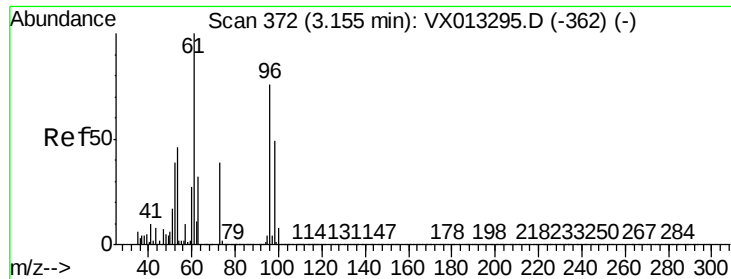
Tot Ion: 73 Resp: 112731
Ion Ratio Lower Upper
73 100
57 23.3 17.1 25.7



#20
Methylene Chloride
Concen: 5.654 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX013293.D
Acq: 31 Oct 2019 16:42

Tgt Ion: 84 Resp: 40685
Ion Ratio Lower Upper
84 100
49 115.0 98.2 147.4
51 31.7 29.9 44.9
86 57.7 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 5.770 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.01 min

Lab File: VX013293.D

Acq: 31 Oct 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

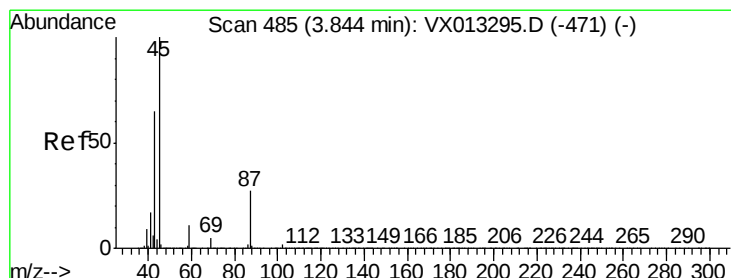
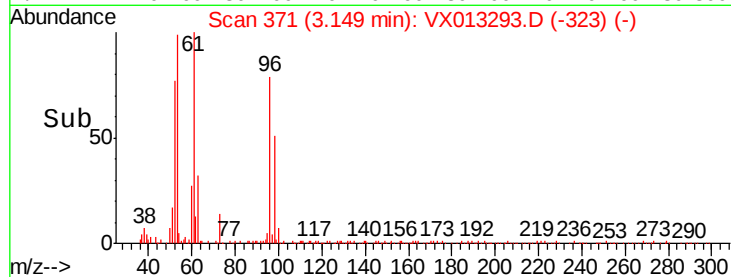
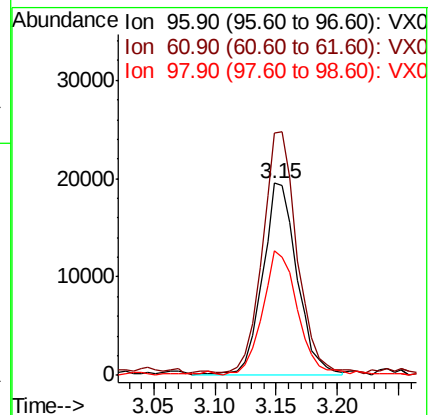
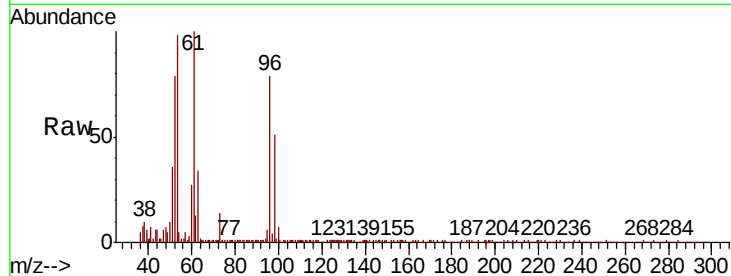
Tot Ion: 96 Resp: 38526

Ion Ratio Lower Upper

96 100

61 126.2 105.8 158.6

98 64.8 51.8 77.6



#22

Diisopropyl ether

Concen: 6.031 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.00 min

Lab File: VX013293.D

Acq: 31 Oct 2019 16:42

Tgt Ion: 45 Resp: 119822

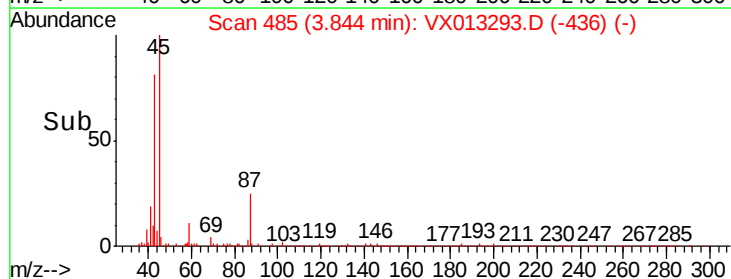
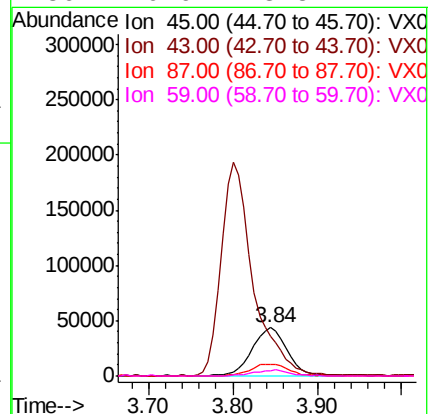
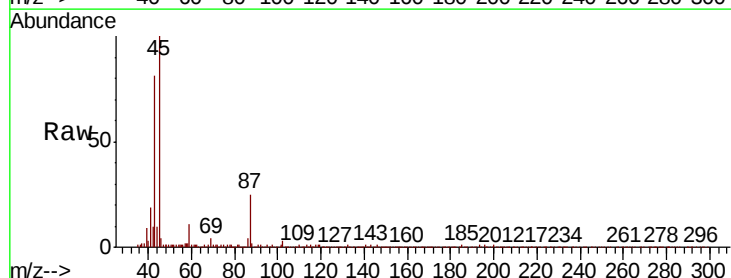
Ion Ratio Lower Upper

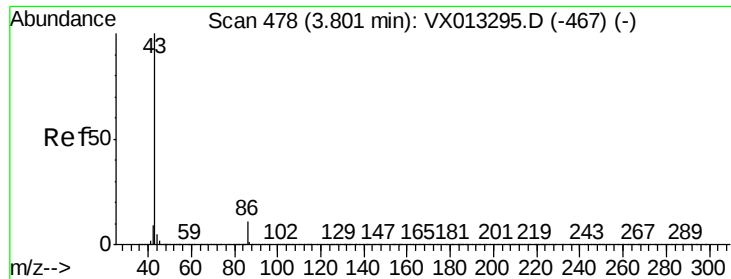
45 100

43 80.7 54.2 81.2

87 25.3 21.8 32.8

59 10.9 8.5 12.7





#23

Vinyl Acetate

Concen: 30.236 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX013293.D

Acq: 31 Oct 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

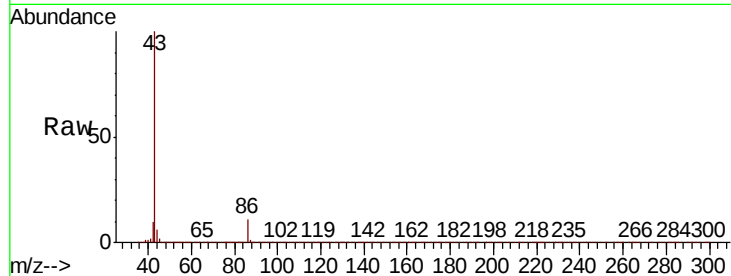
VSTDIC005

Tot Ion: 43 Resp: 505967

Ion Ratio Lower Upper

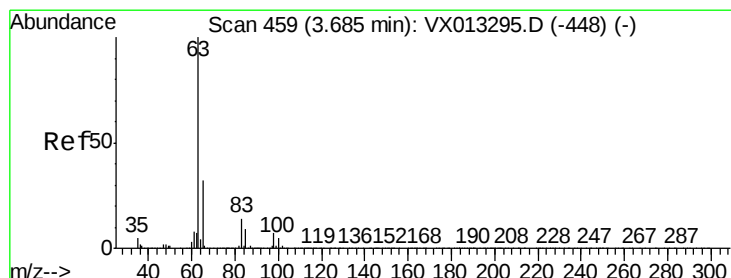
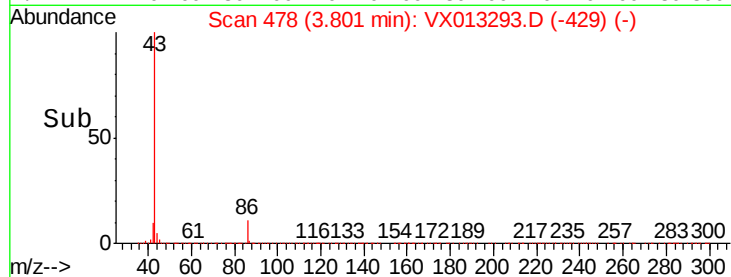
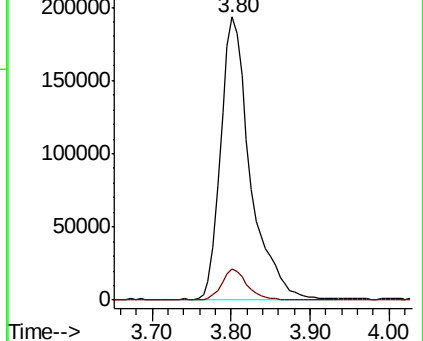
43 100

86 10.8 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 5.834 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX013293.D

Acq: 31 Oct 2019 16:42

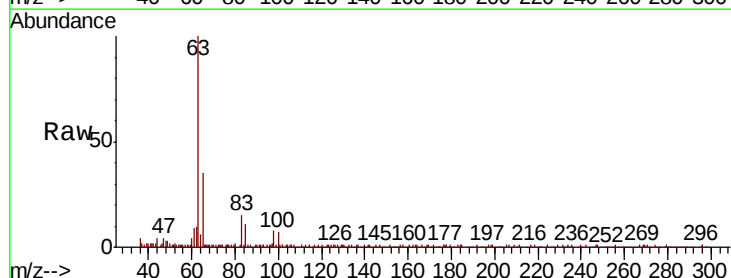
Tgt Ion: 63 Resp: 66463

Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.4

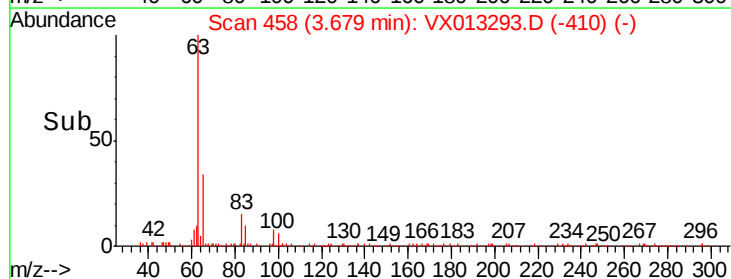
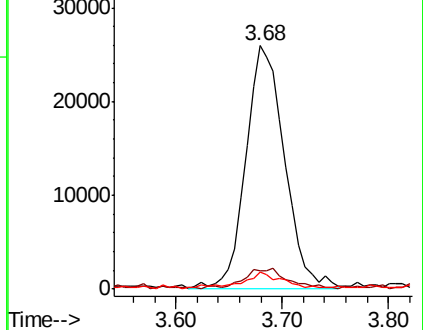
100 6.4 2.4 7.2

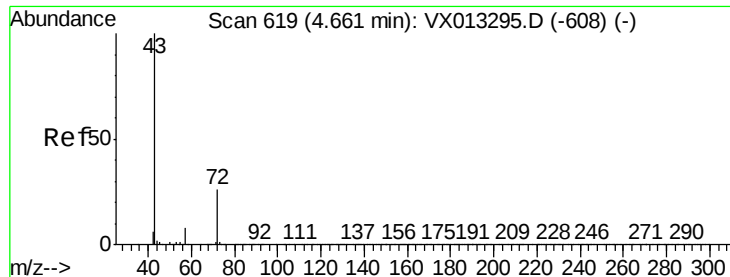


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 31.226 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX013293.D

Acq: 31 Oct 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

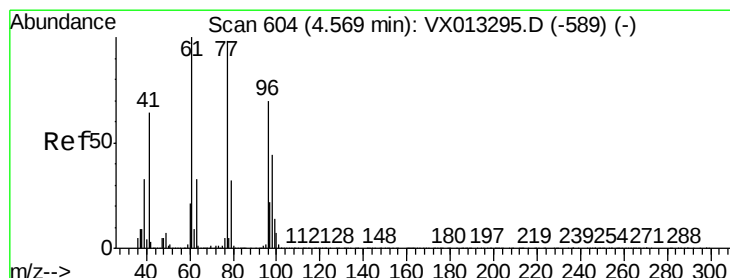
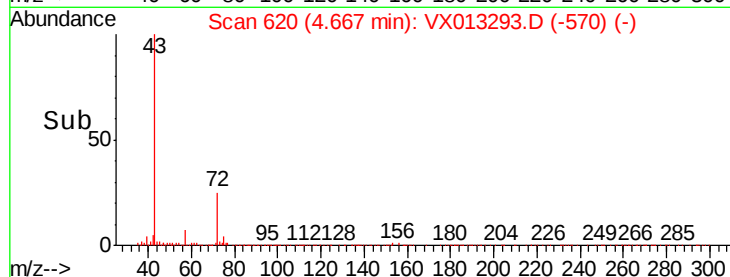
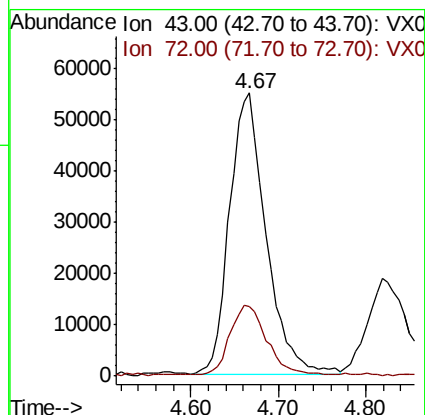
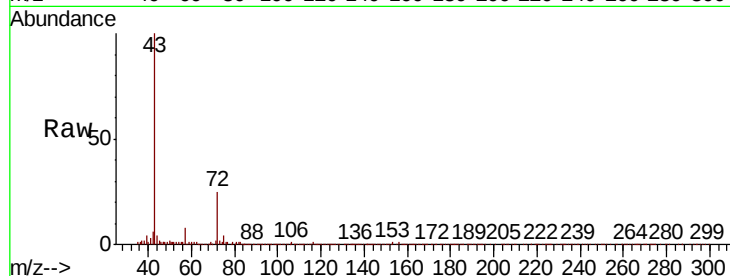
VSTDIC005

Tot Ion: 43 Resp: 158355

Ion Ratio Lower Upper

43 100

72 24.3 21.0 31.6



#26

2,2-Dichloropropane

Concen: 5.496 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX013293.D

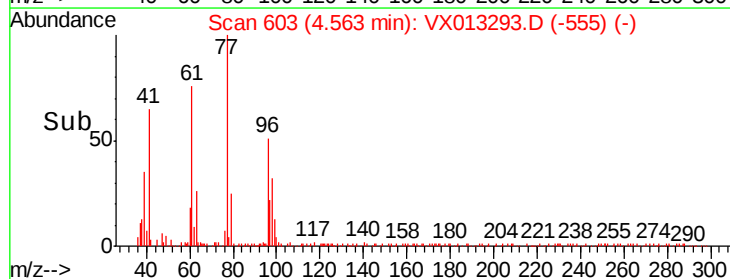
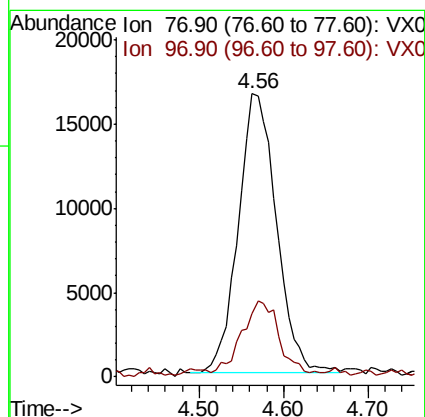
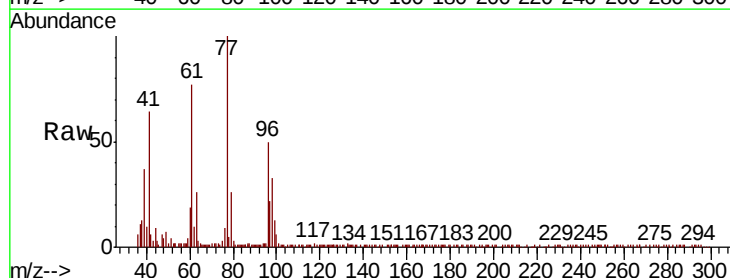
Acq: 31 Oct 2019 16:42

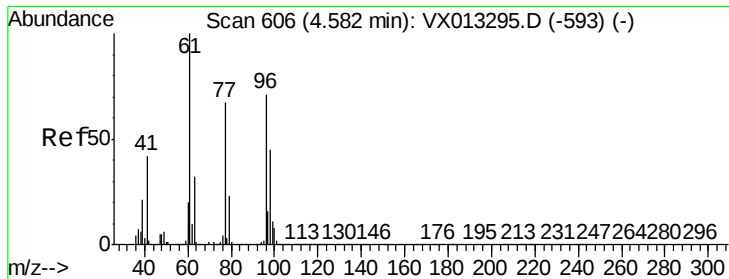
Tgt Ion: 77 Resp: 50990

Ion Ratio Lower Upper

77 100

97 27.2 11.3 33.8



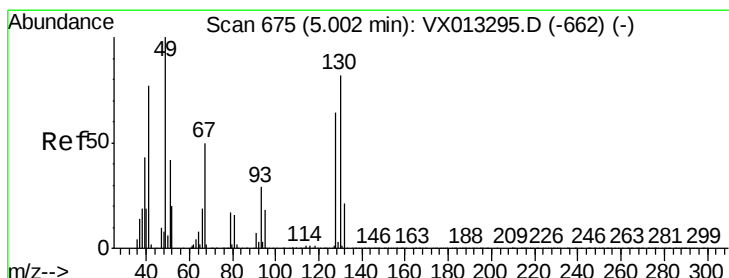
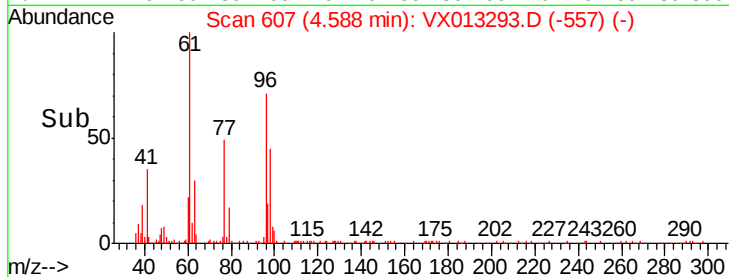
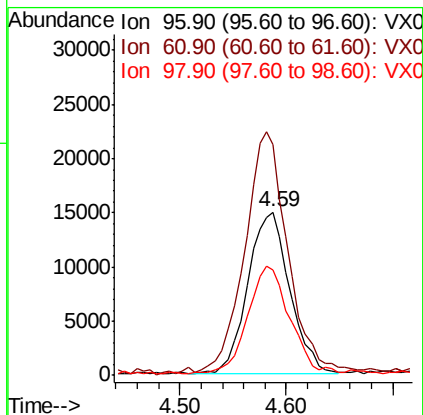
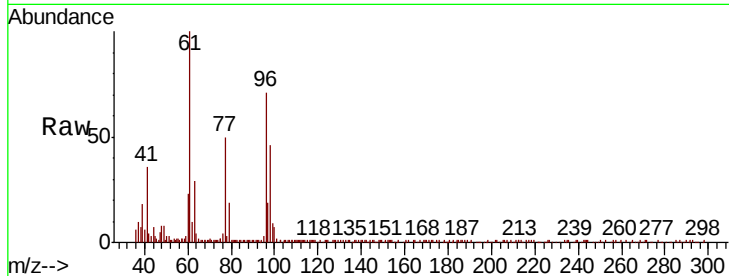


#27

cis-1,2-Dichloroethene
Concen: 5.268 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX013293.D
Acq: 31 Oct 2019 16:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

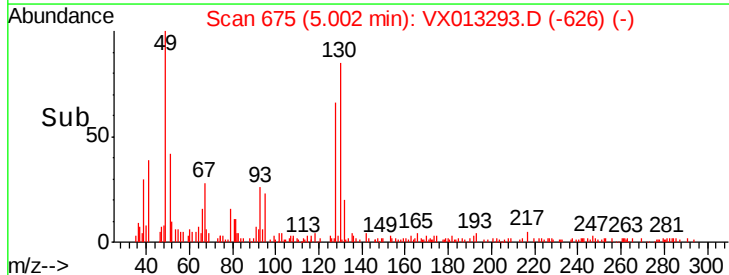
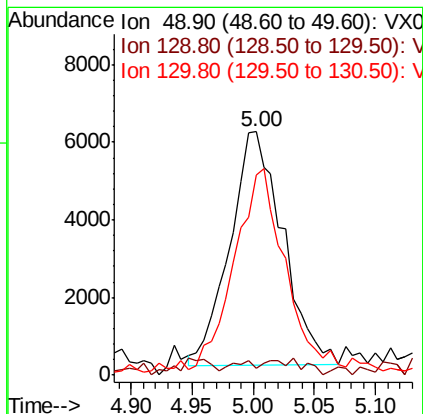
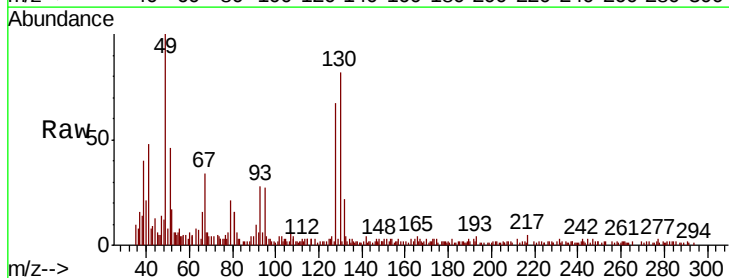
Tot Ion	Ratio	Lower	Upper
96	100		
61	154.0	0.0	288.0
98	67.1	0.0	129.6

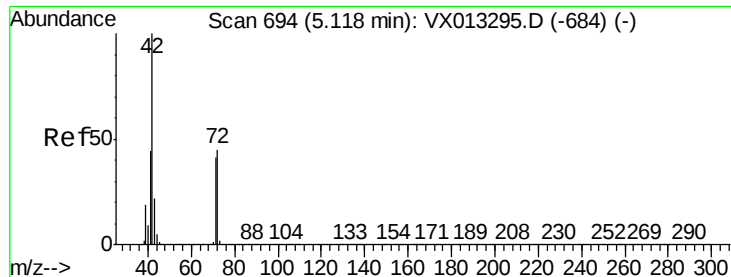


#28

Bromochloromethane
Concen: 3.606 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.00 min
Lab File: VX013293.D
Acq: 31 Oct 2019 16:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	5.2
130	88.4	63.8	95.6





#29

Tetrahydrofuran

Concen: 30.398 ug/l

RT: 5.12 min Scan# 694

Delta R.T. -0.00 min

Lab File: VX013293.D

Acq: 31 Oct 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

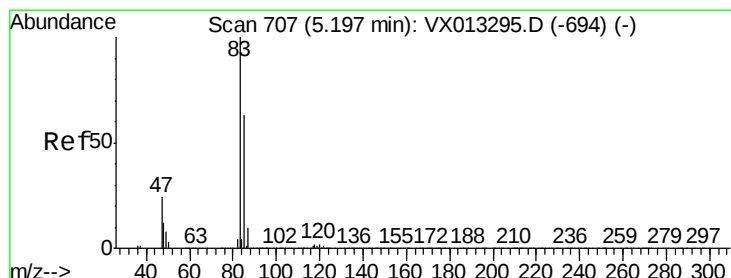
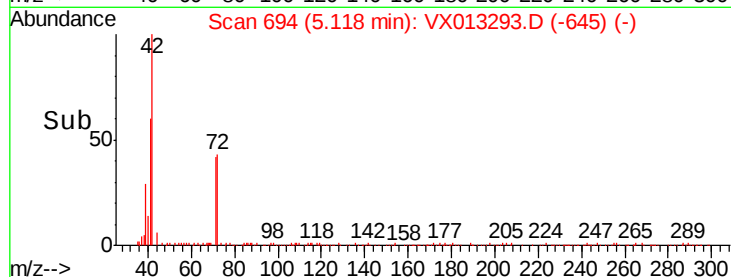
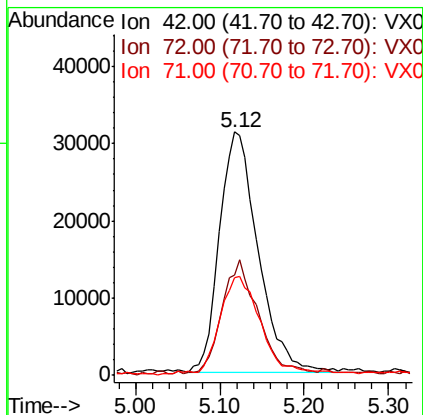
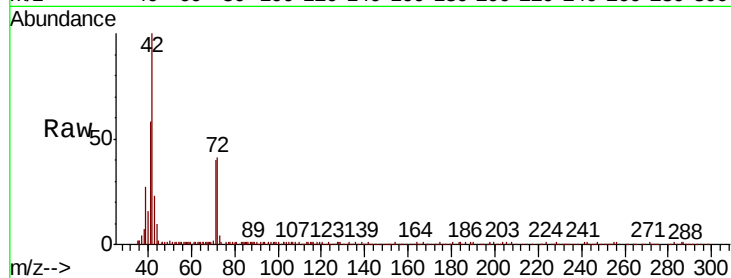
Tot Ion: 42 Resp: 97766

Ion Ratio Lower Upper

42 100

72 44.8 35.8 53.8

71 40.7 33.4 50.0



#30

Chloroform

Concen: 5.436 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.00 min

Lab File: VX013293.D

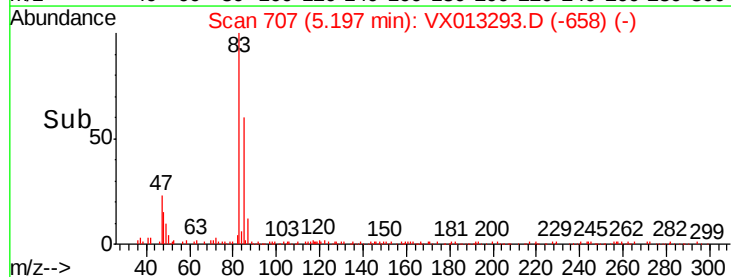
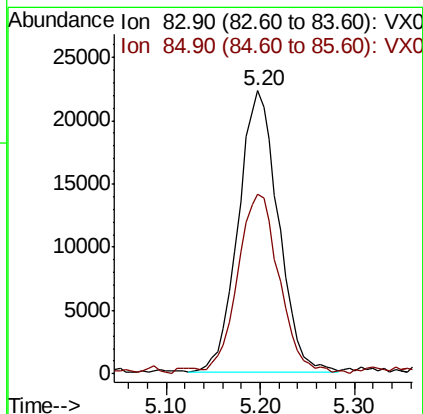
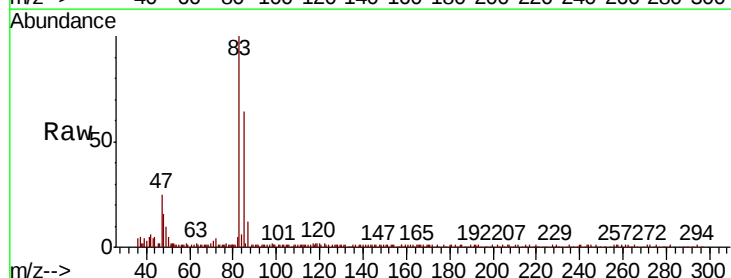
Acq: 31 Oct 2019 16:42

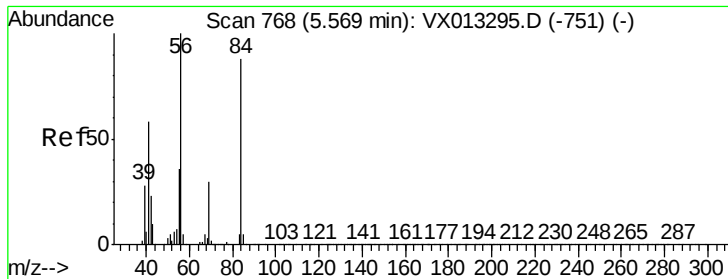
Tgt Ion: 83 Resp: 66065

Ion Ratio Lower Upper

83 100

85 62.2 50.2 75.4

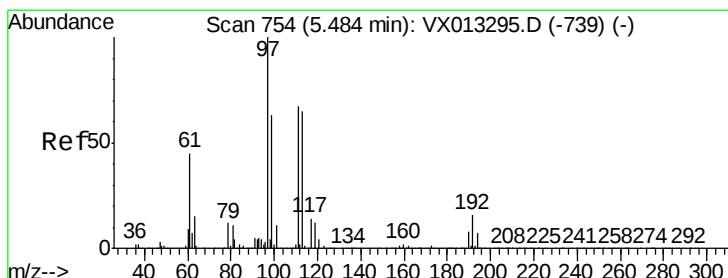
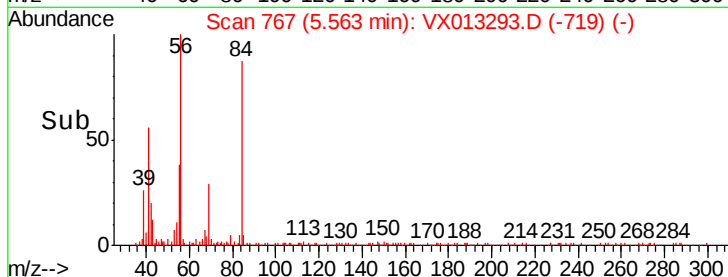
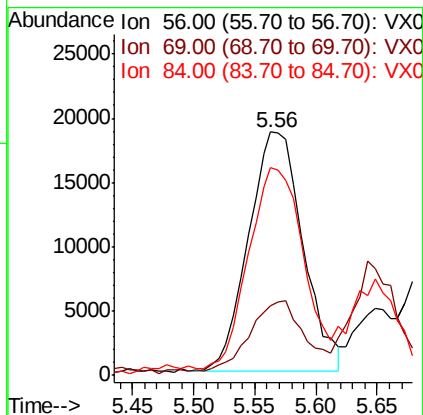
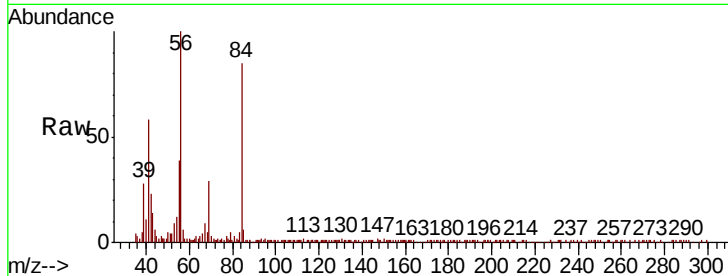




#31
Cyclohexane
Concen: 5.564 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX013293.D
Acq: 31 Oct 2019 16:42

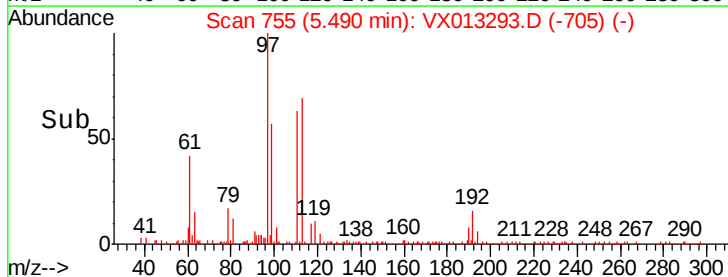
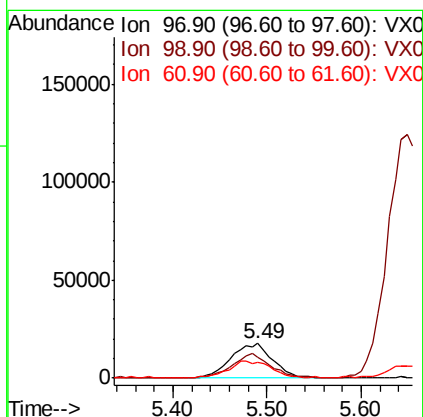
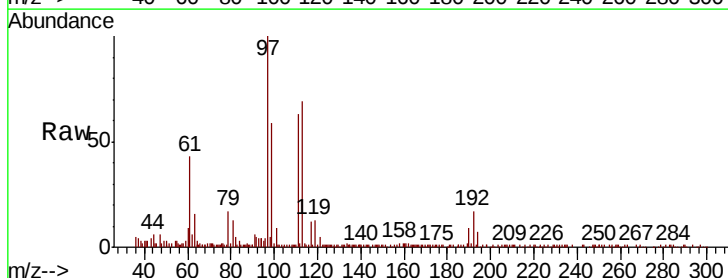
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 56 Resp: 57684
Ion Ratio Lower Upper
56 100
69 26.0 23.7 35.5
84 82.5 70.6 105.8



#32
1,1,1-Trichloroethane
Concen: 5.125 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.01 min
Lab File: VX013293.D
Acq: 31 Oct 2019 16:42

Tgt Ion: 97 Resp: 53506
Ion Ratio Lower Upper
97 100
99 65.3 51.1 76.7
61 50.4 36.5 54.7





#33

1,2-Dichloroethane-d4

Concen: 5.691 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013293.D

Acq: 31 Oct 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

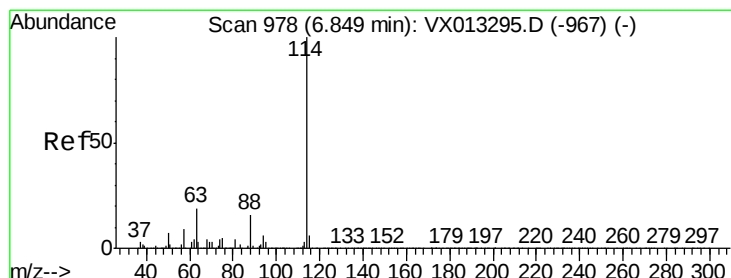
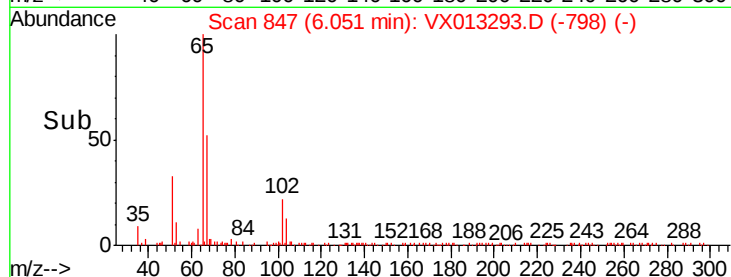
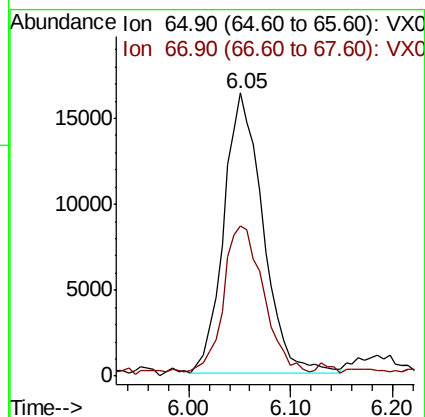
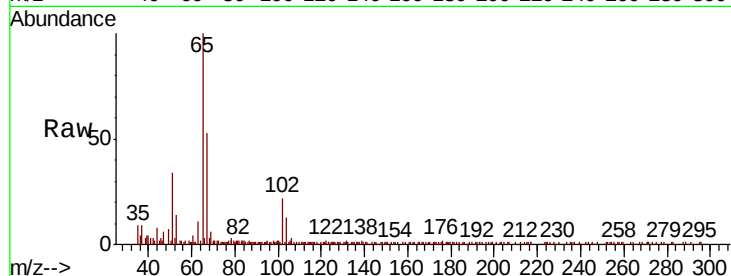
VSTDIC005

Tot Ion: 65 Resp: 43382

Ion Ratio Lower Upper

65 100

67 52.5 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: VX013293.D

Acq: 31 Oct 2019 16:42

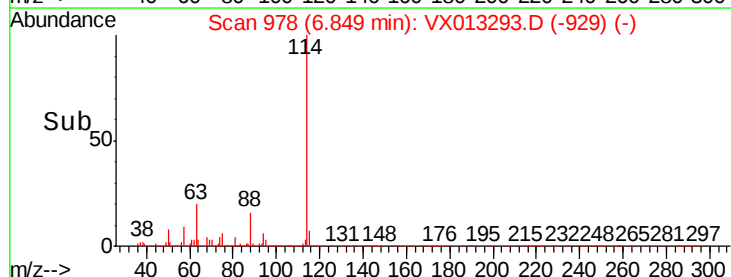
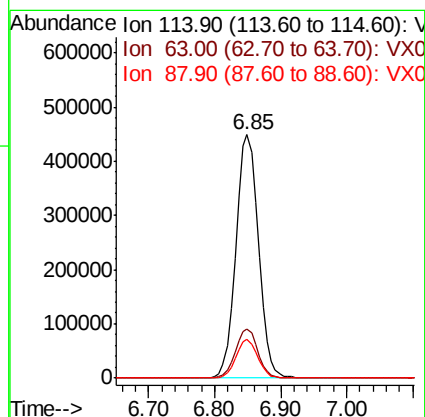
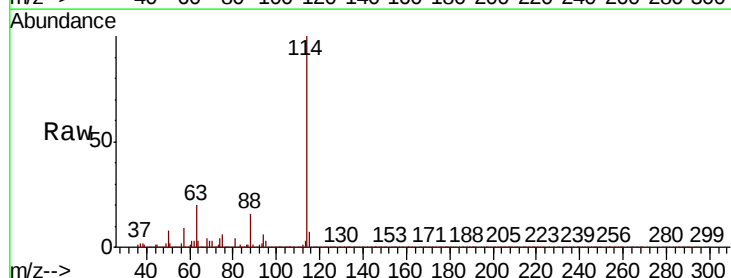
Tgt Ion: 114 Resp: 1057337

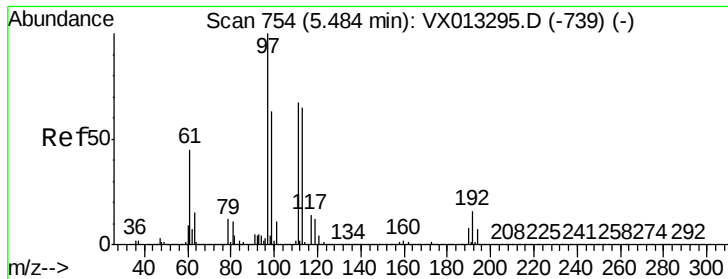
Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.4

88 15.8 0.0 32.2

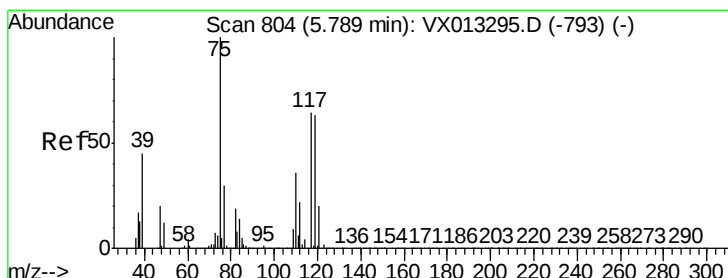
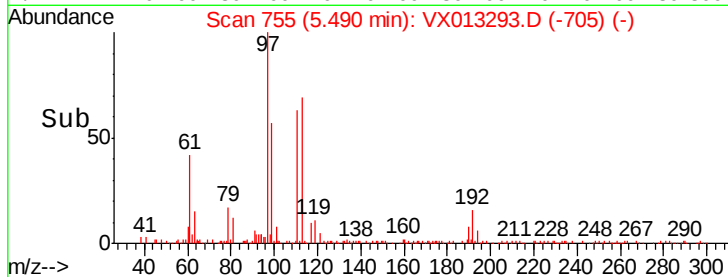
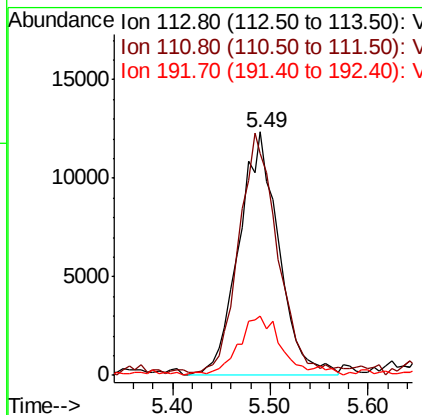
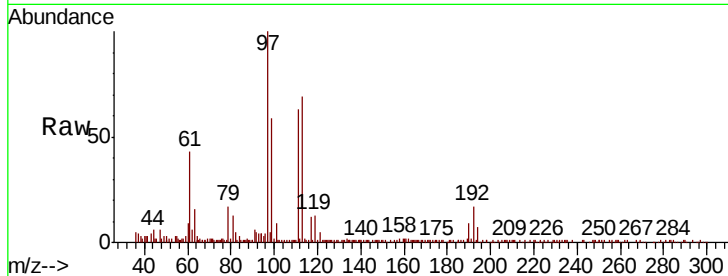




#35
 Dibromofluoromethane
 Concen: 5.222 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.01 min
 Lab File: VX013293.D
 Acq: 31 Oct 2019 16:42

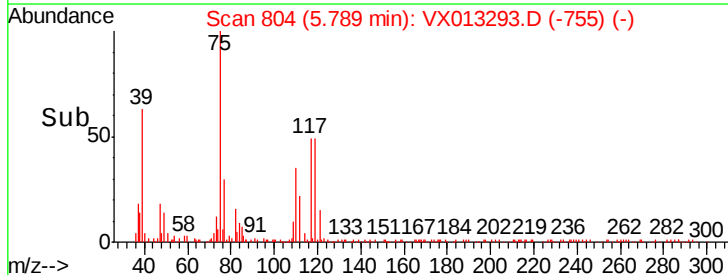
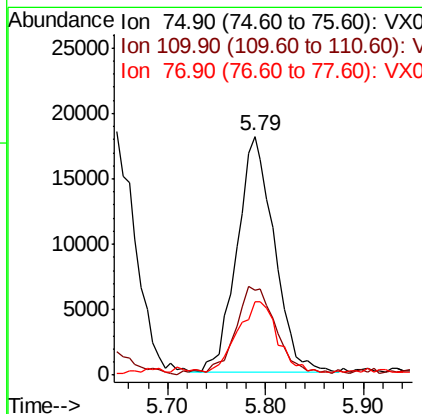
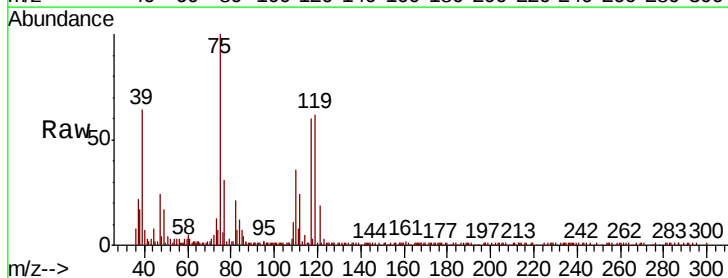
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

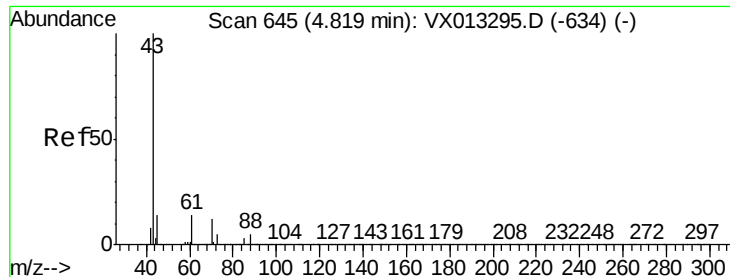
Tot Ion	Ratio	Lower	Upper
113	100		
111	94.9	81.9	122.9
192	25.3	19.1	28.7



#36
 1,1-Dichloropropene
 Concen: 5.395 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX013293.D
 Acq: 31 Oct 2019 16:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	40.1	18.1	54.1
77	31.9	25.0	37.4

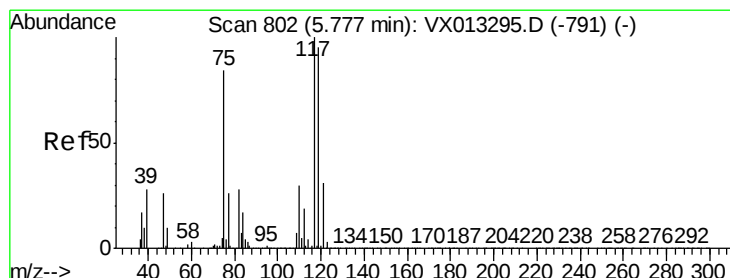
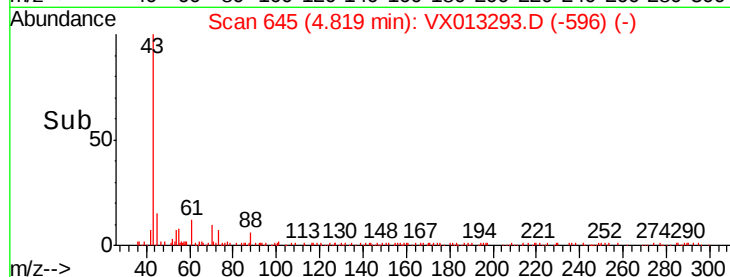
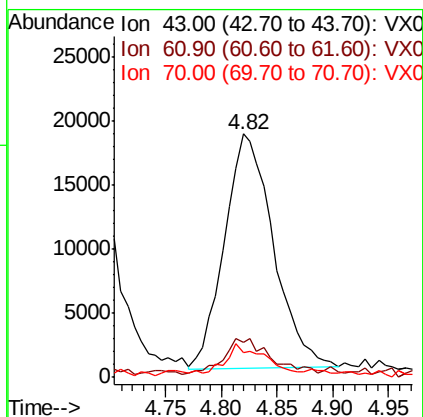
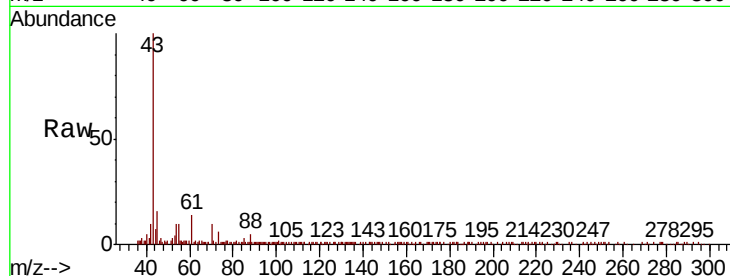




#37
Ethyl Acetate
Concen: 5.994 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX013293.D
Acq: 31 Oct 2019 16:42

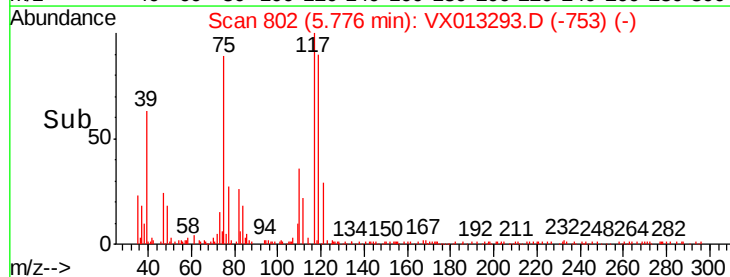
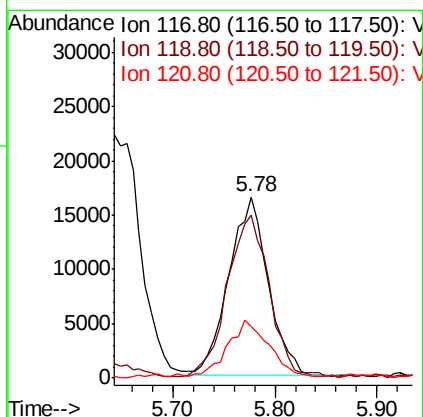
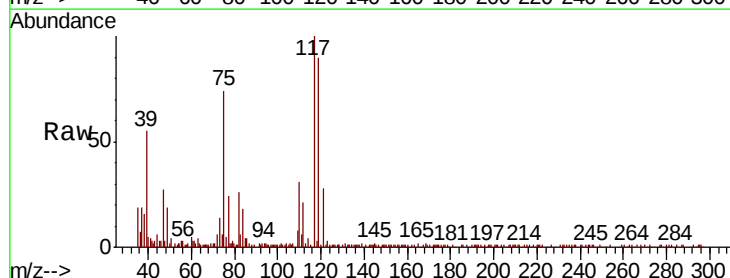
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

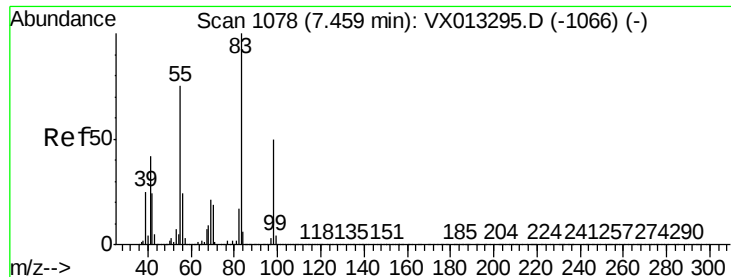
Tot Ion	43	Resp	55886
Ion Ratio	Lower	Upper	
43	100		
61	14.1	10.7	16.1
70	9.8	8.7	13.1



#38
Carbon Tetrachloride
Concen: 4.865 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX013293.D
Acq: 31 Oct 2019 16:42

Tgt Ion	117	Resp	44220
Ion Ratio	Lower	Upper	
117	100		
119	89.9	76.1	114.1
121	28.3	24.6	37.0

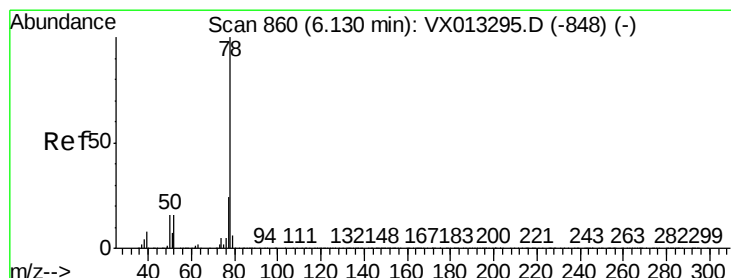
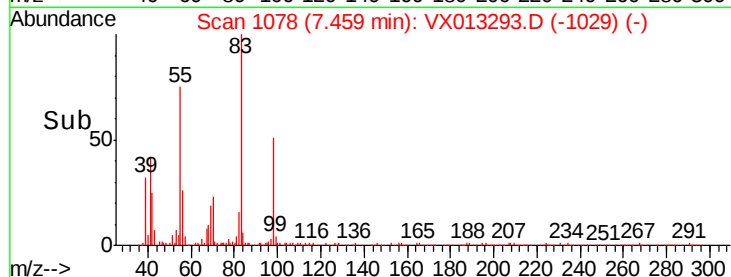
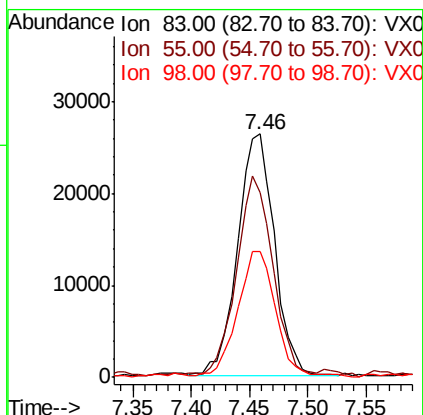
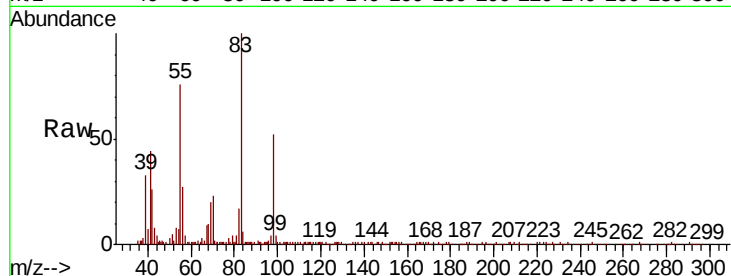




#39
Methvlcvclohexane
Concen: 5.107 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VX013293.D
Acq: 31 Oct 2019 16:42

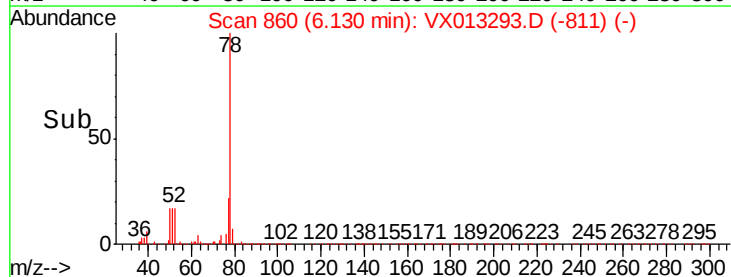
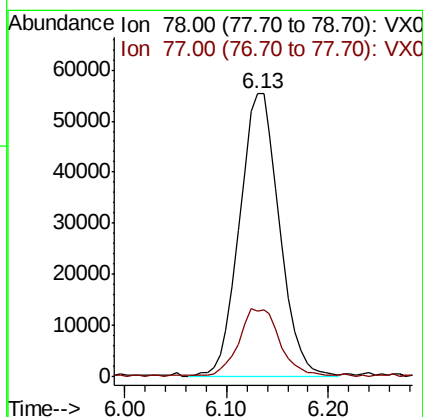
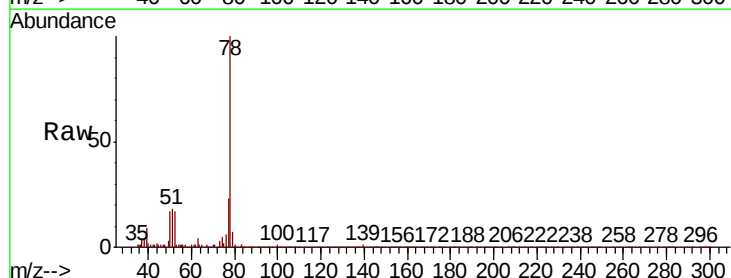
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

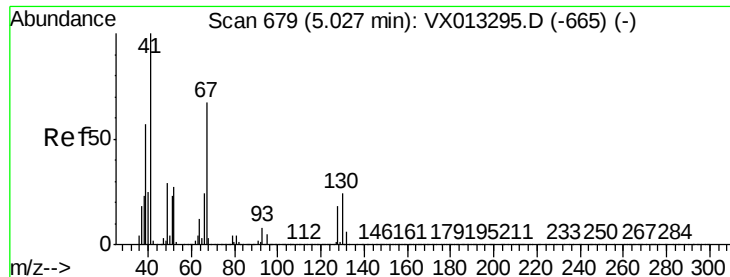
Tot Ion: 83 Resp: 57742
Ion Ratio Lower Upper
83 100
55 74.9 60.3 90.5
98 51.3 40.3 60.5



#40
Benzene
Concen: 5.544 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX013293.D
Acq: 31 Oct 2019 16:42

Tgt Ion: 78 Resp: 149686
Ion Ratio Lower Upper
78 100
77 22.5 19.5 29.3

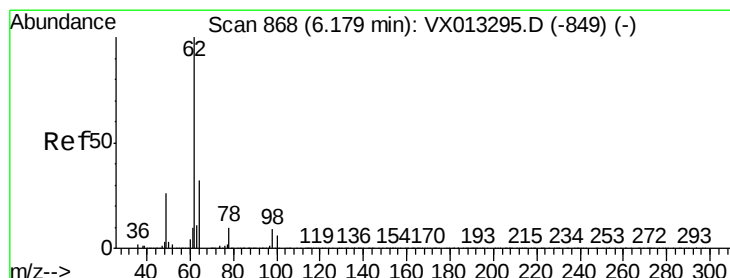
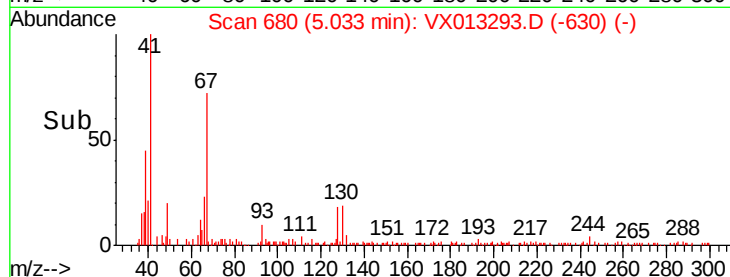
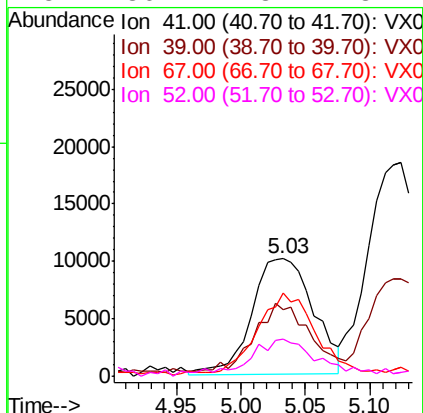
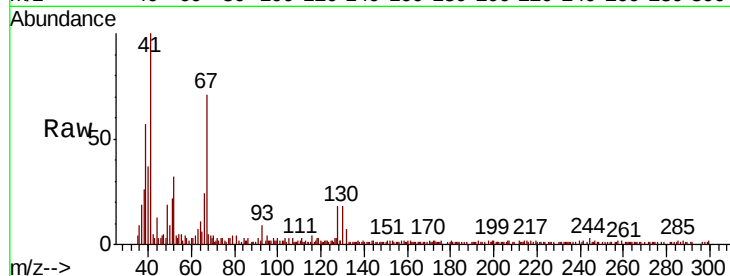




#41
Methacrylonitrile
Concen: 6.279 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX013293.D
Acq: 31 Oct 2019 16:42

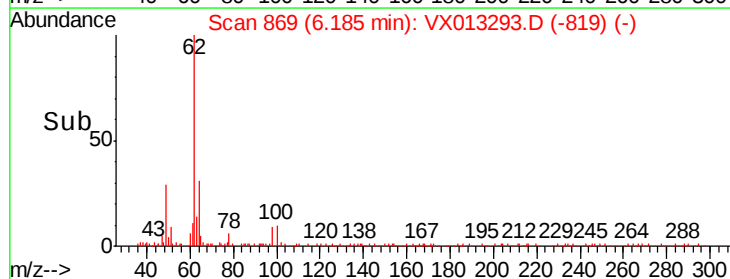
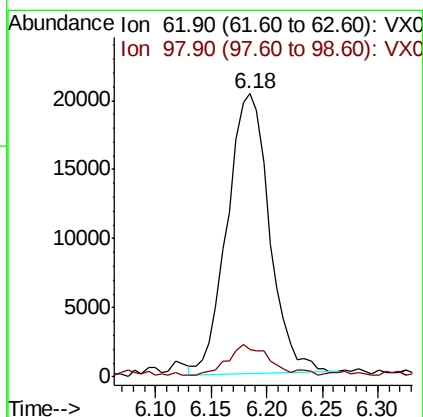
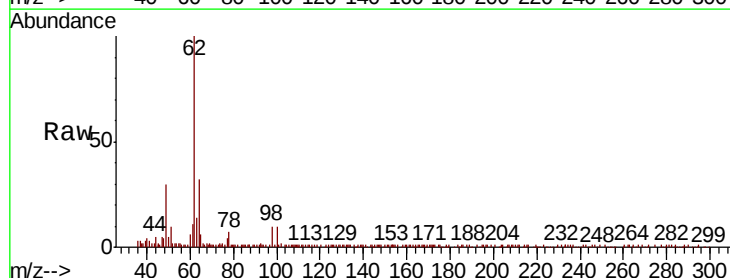
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

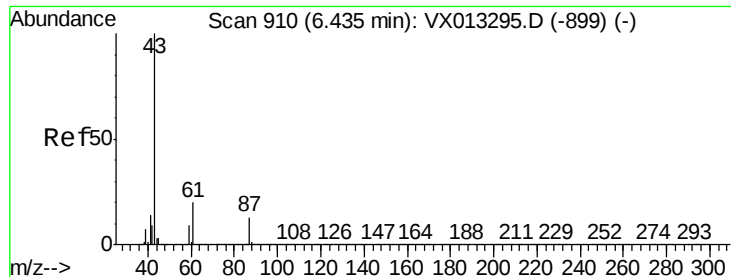
Tot Ion:	41	Resp:	33523
Ion	Ratio	Lower	Upper
41	100		
39	52.0	45.0	67.6
67	64.6	55.4	83.2
52	36.4	23.1	34.7#



#42
1,2-Dichloroethane
Concen: 5.594 ug/l
RT: 6.18 min Scan# 869
Delta R.T. 0.01 min
Lab File: VX013293.D
Acq: 31 Oct 2019 16:42

Tgt Ion:	62	Resp:	53411
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.4





#43

Isopropyl Acetate

Concen: 5.876 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX013293.D

Acq: 31 Oct 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

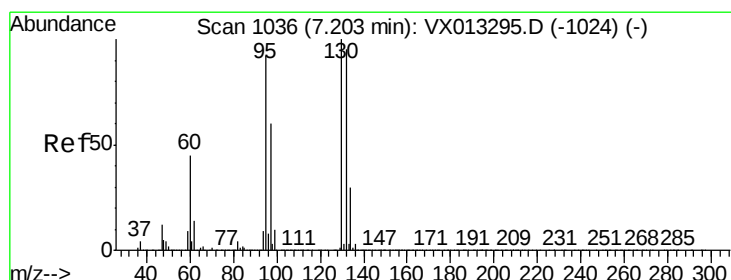
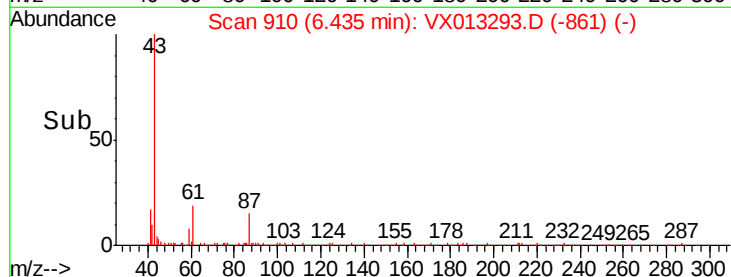
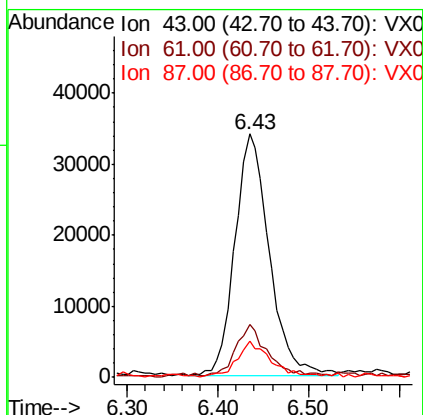
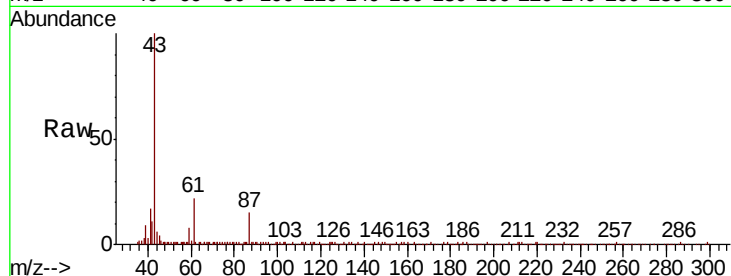
Tot Ion: 43 Resp: 89831

Ion Ratio Lower Upper

43 100

61 20.3 15.8 23.8

87 13.9 10.4 15.6



#44

Trichloroethene

Concen: 5.095 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VX013293.D

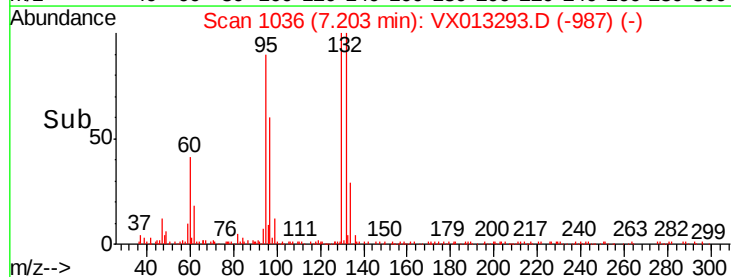
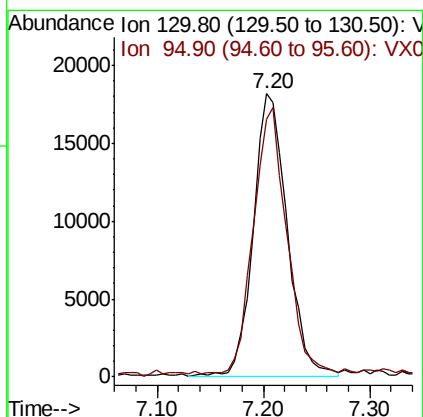
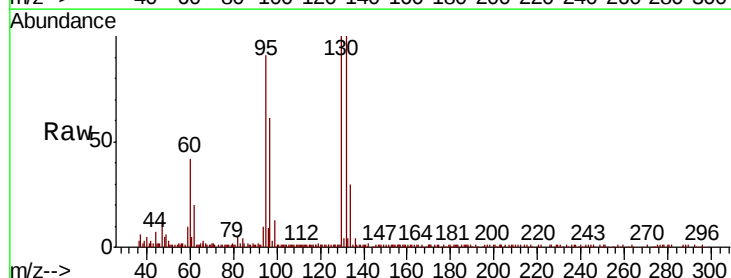
Acq: 31 Oct 2019 16:42

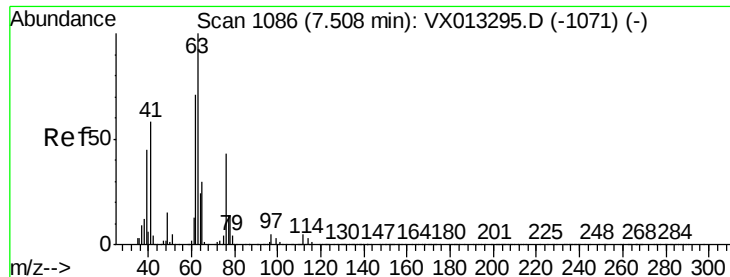
Tgt Ion: 130 Resp: 40181

Ion Ratio Lower Upper

130 100

95 90.4 0.0 184.8





#45

1,2-Dichloropropane

Concen: 5.751 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX013293.D

Acq: 31 Oct 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

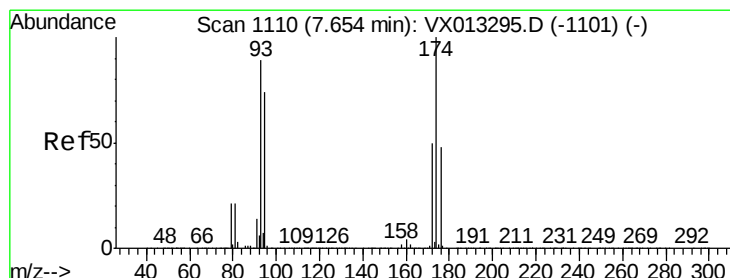
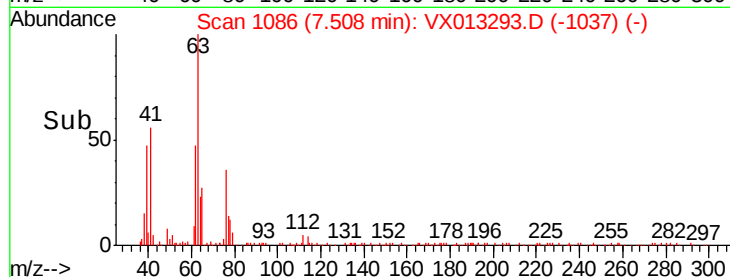
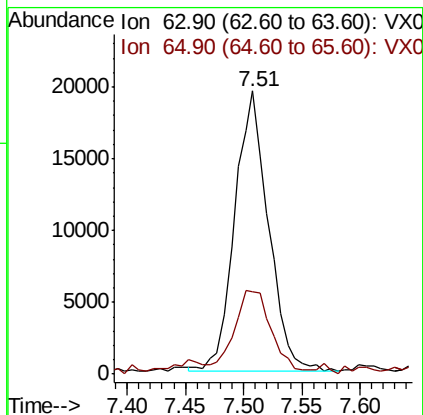
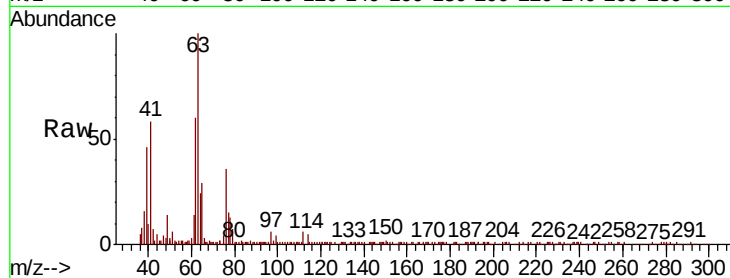
VSTDIC005

Tot Ion: 63 Resp: 39674

Ion Ratio Lower Upper

63 100

65 28.7 24.3 36.5



#46

Dibromomethane

Concen: 5.378 ug/l

RT: 7.66 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VX013293.D

Acq: 31 Oct 2019 16:42

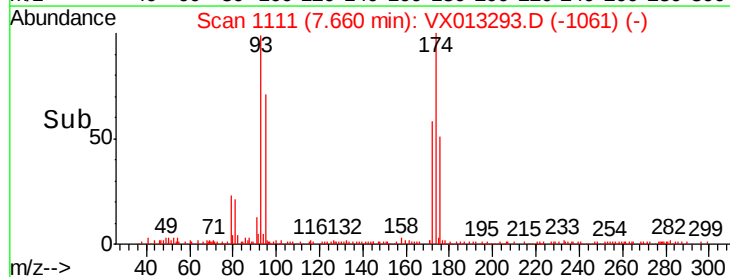
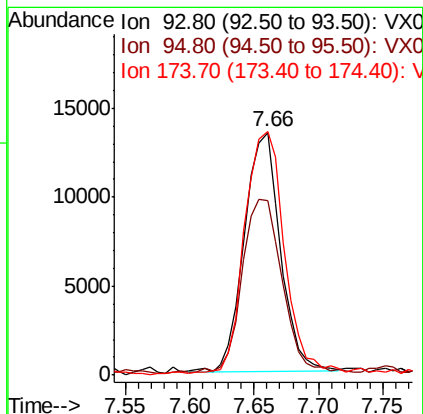
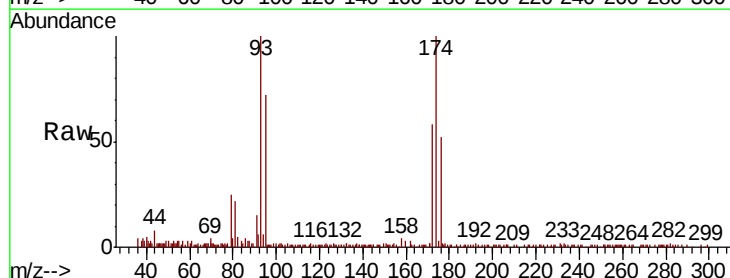
Tgt Ion: 93 Resp: 26212

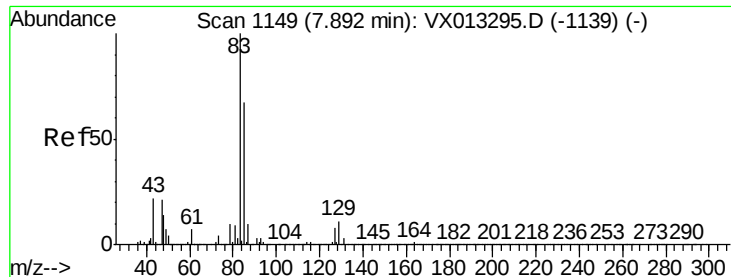
Ion Ratio Lower Upper

93 100

95 80.2 65.8 98.6

174 109.6 90.4 135.6





#47

Bromodichloromethane

Concen: 5.243 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013293.D

Acq: 31 Oct 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

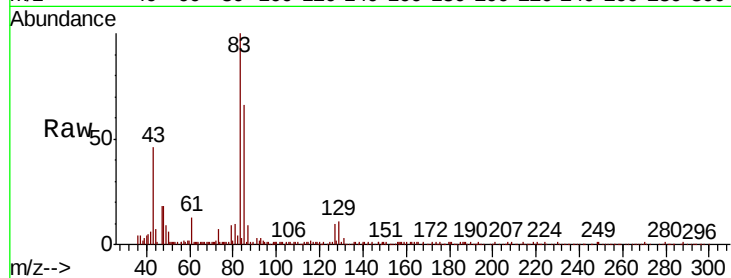
Tot Ion: 83 Resp: 46073

Ion Ratio Lower Upper

83 100

85 65.9 53.7 80.5

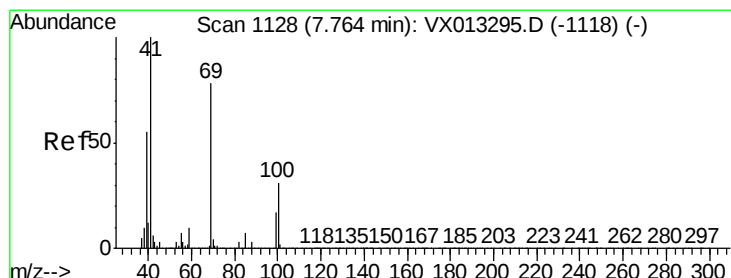
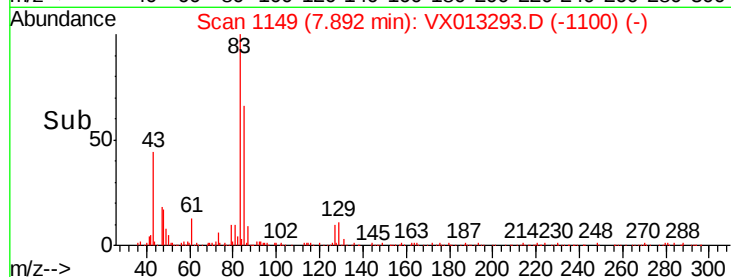
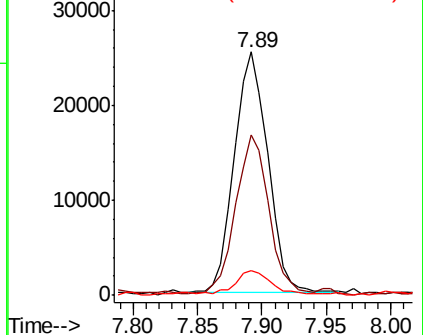
127 9.0 6.4 9.6



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: 5.816 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VX013293.D

Acq: 31 Oct 2019 16:42

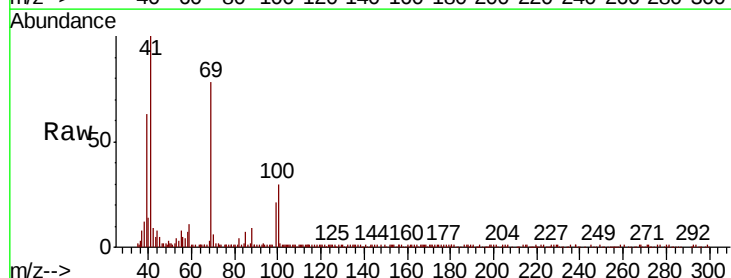
Tgt Ion: 41 Resp: 43822

Ion Ratio Lower Upper

41 100

69 85.3 63.0 94.6

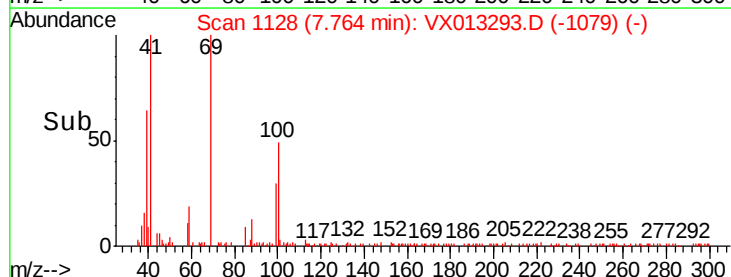
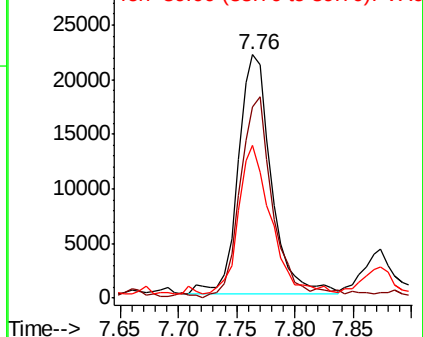
39 62.7 45.9 68.9

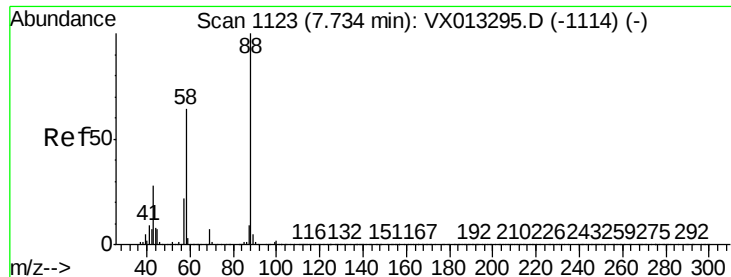


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 98.112 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX013293.D

Acq: 31 Oct 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

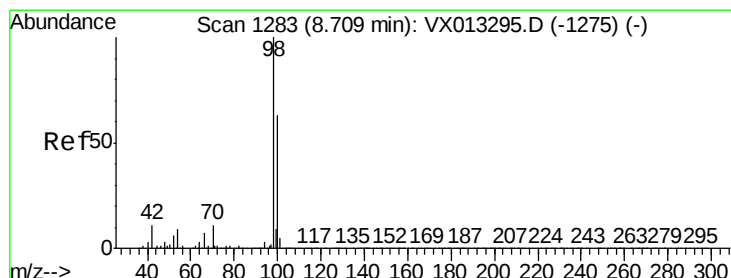
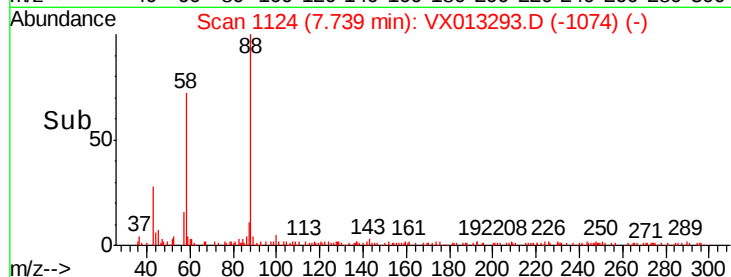
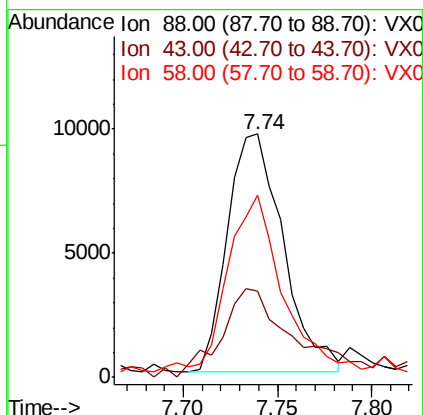
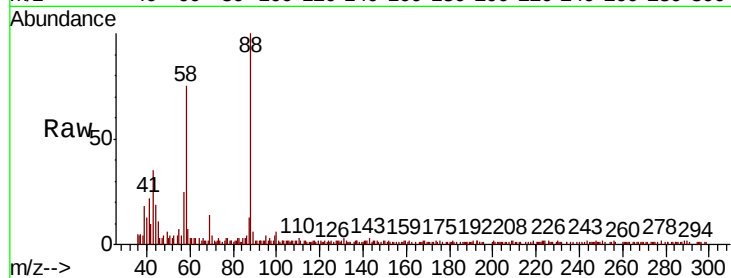
Tot Ion: 88 Resp: 19765

Ion Ratio Lower Upper

88 100

43 49.5 26.6 39.8#

58 73.0 55.0 82.6



#50

Toluene-d8

Concen: 5.046 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013293.D

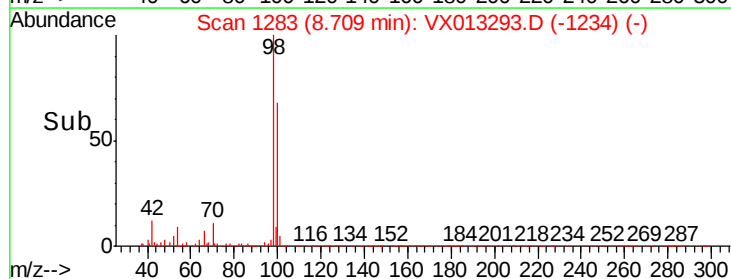
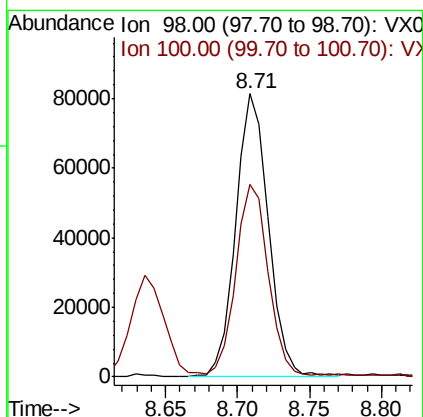
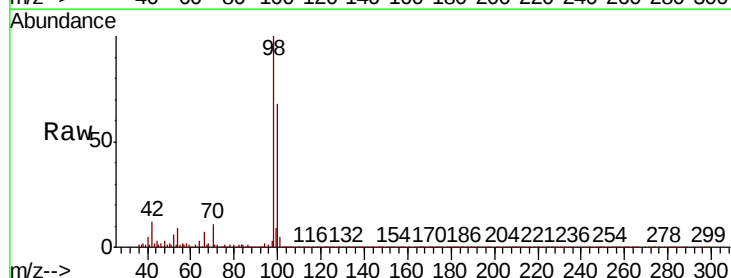
Acq: 31 Oct 2019 16:42

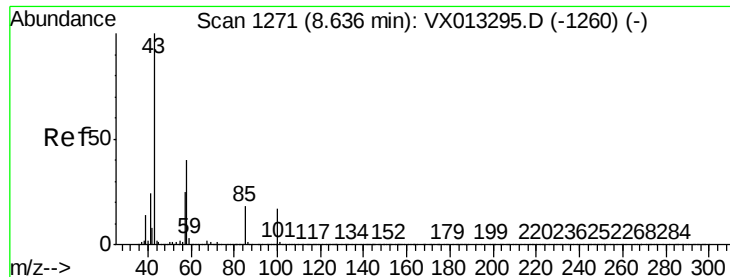
Tgt Ion: 98 Resp: 127081

Ion Ratio Lower Upper

98 100

100 67.8 52.2 78.2

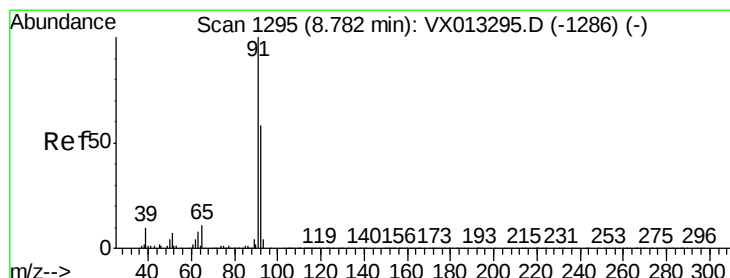
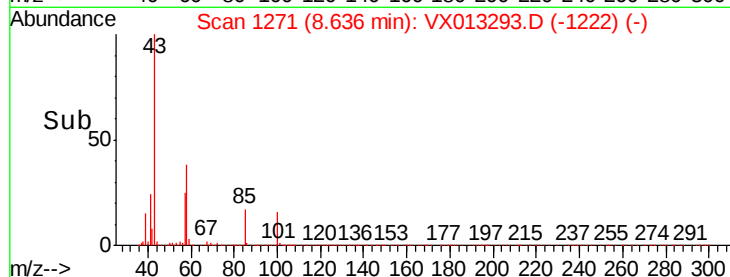
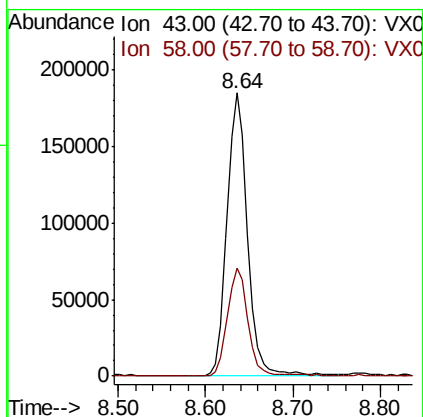
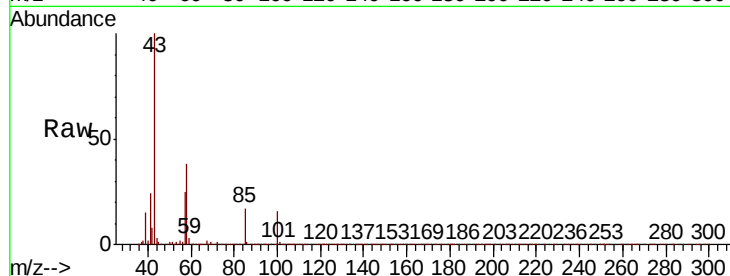




#51
4-Methyl-2-Pentanone
Concen: 30.169 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX013293.D
Acq: 31 Oct 2019 16:42

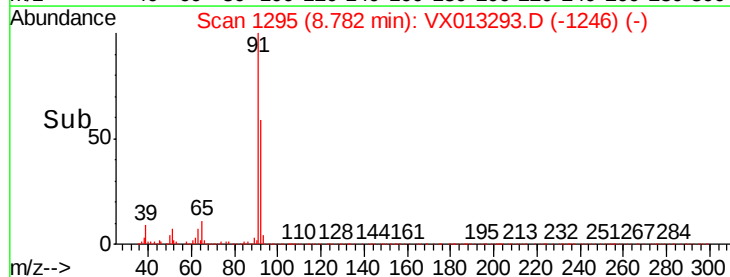
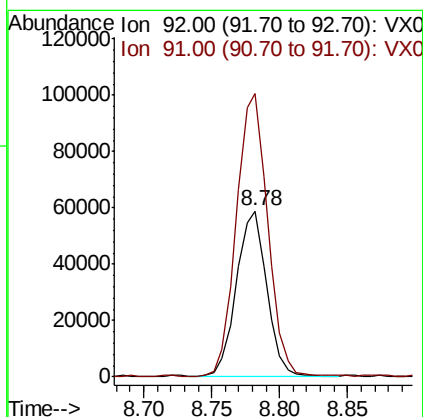
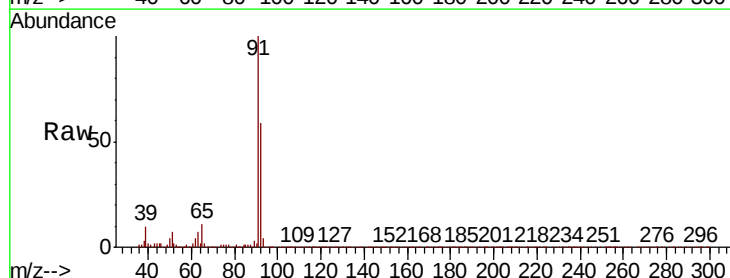
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

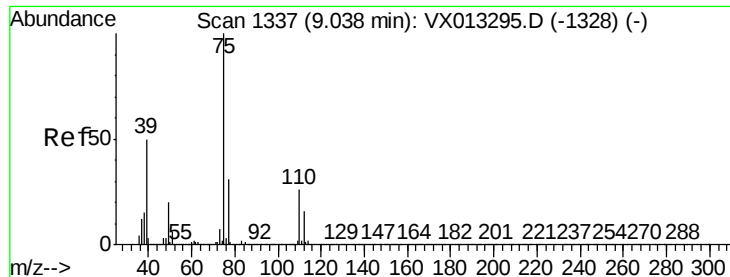
Tot Ion: 43 Resp: 299086
Ion Ratio Lower Upper
43 100
58 37.9 31.4 47.0



#52
Toluene
Concen: 5.171 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VX013293.D
Acq: 31 Oct 2019 16:42

Tgt Ion: 92 Resp: 90992
Ion Ratio Lower Upper
92 100
91 176.3 138.0 207.0





#53

t-1,3-Dichloropropene

Concen: 5.095 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VX013293.D

Acq: 31 Oct 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

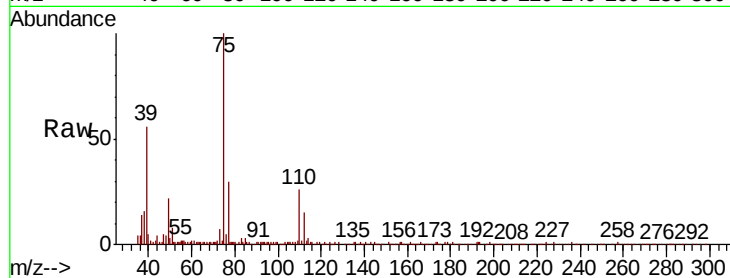
VSTDIC005

Tot Ion: 75 Resp: 48301

Ion Ratio Lower Upper

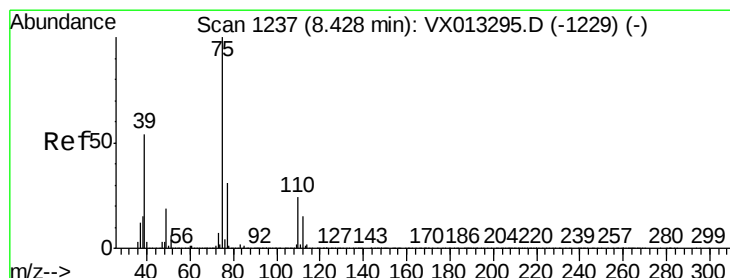
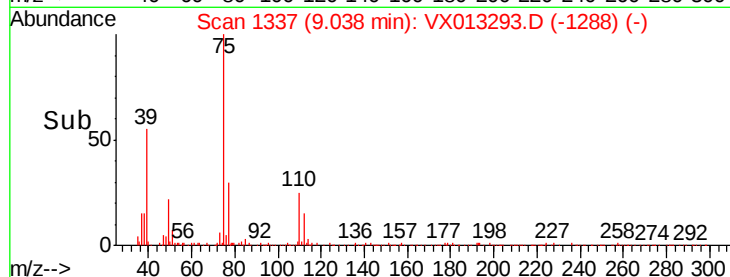
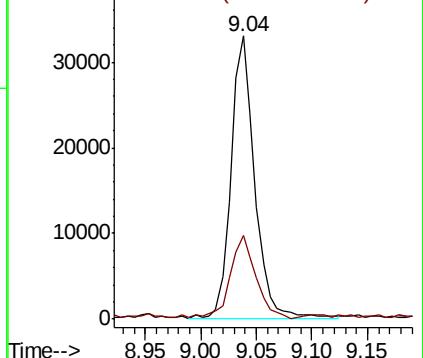
75 100

77 28.7 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 5.341 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VX013293.D

Acq: 31 Oct 2019 16:42

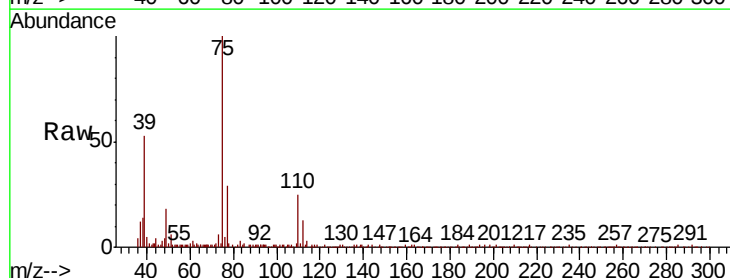
Tgt Ion: 75 Resp: 56113

Ion Ratio Lower Upper

75 100

77 28.7 24.7 37.1

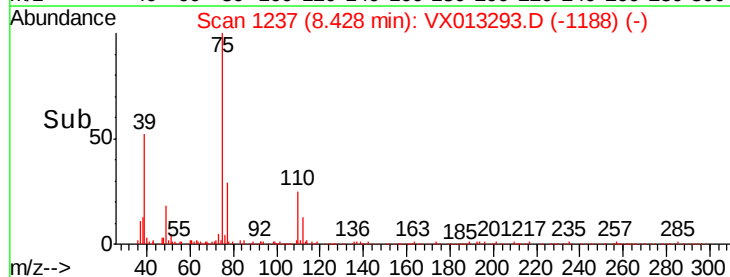
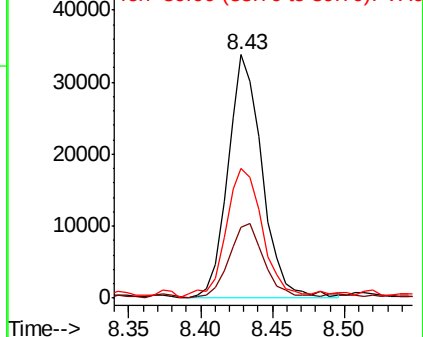
39 51.9 43.0 64.6

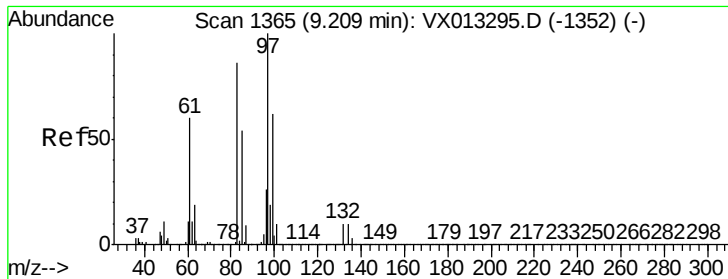


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

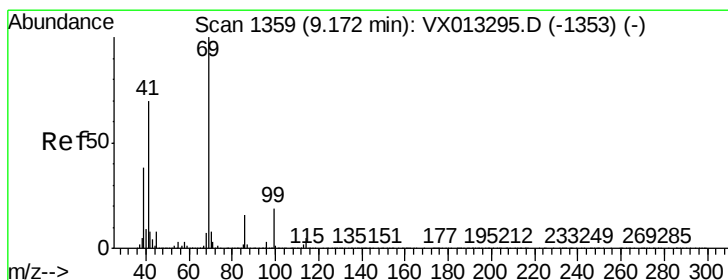
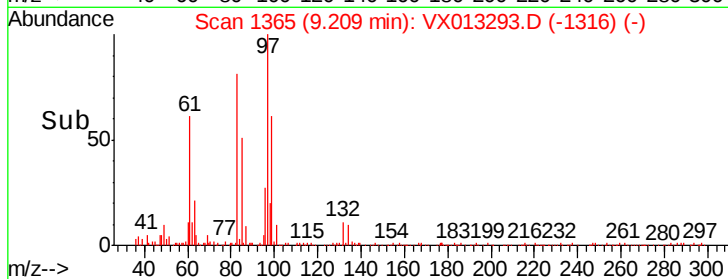
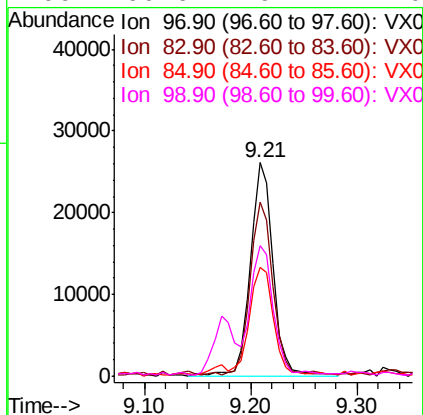
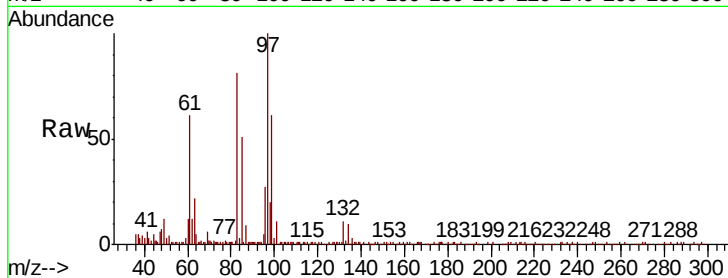




#55
1,1,2-Trichloroethane
Concen: 5.458 ug/l
RT: 9.21 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VX013293.D
Acq: 31 Oct 2019 16:42

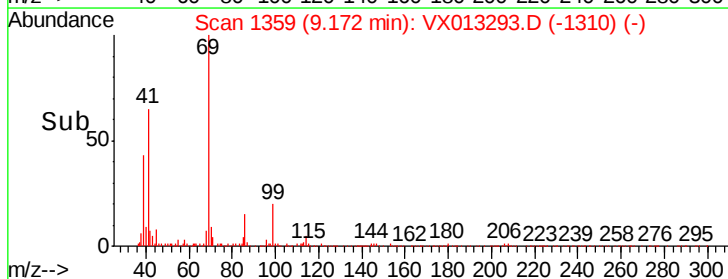
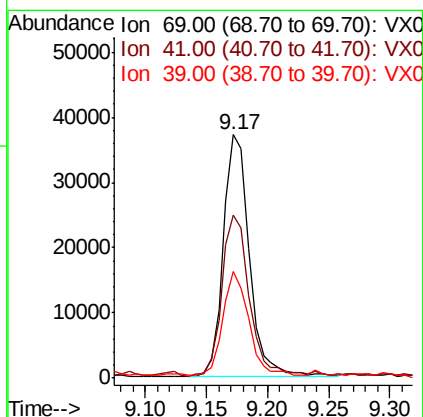
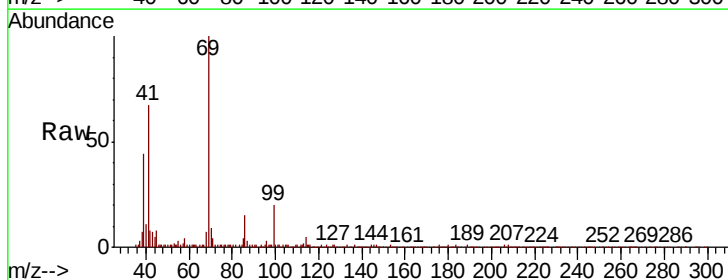
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

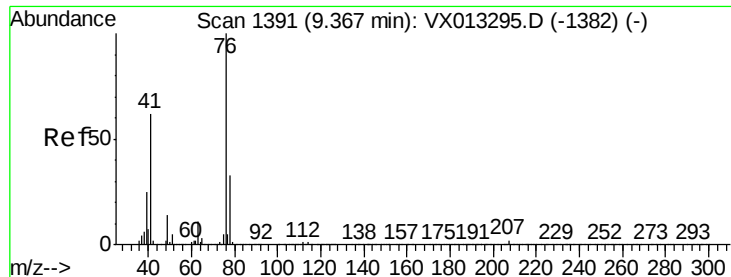
Tot Ion:	97	Resp:	39646
Ion	Ratio	Lower	Upper
97	100		
83	80.5	68.6	103.0
85	50.3	43.1	64.7
99	60.6	49.4	74.0



#56
Ethyl methacrylate
Concen: 5.133 ug/l
RT: 9.17 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VX013293.D
Acq: 31 Oct 2019 16:42

Tgt Ion:	69	Resp:	55022
Ion	Ratio	Lower	Upper
69	100		
41	69.7	56.2	84.2
39	42.4	31.1	46.7

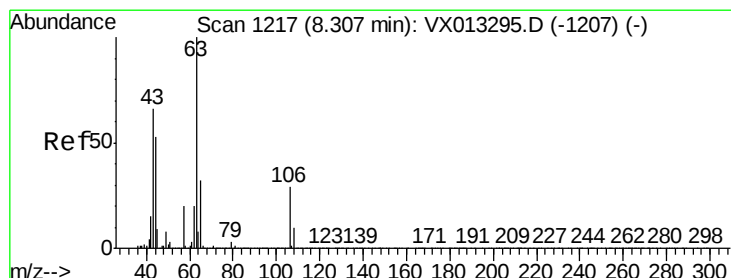
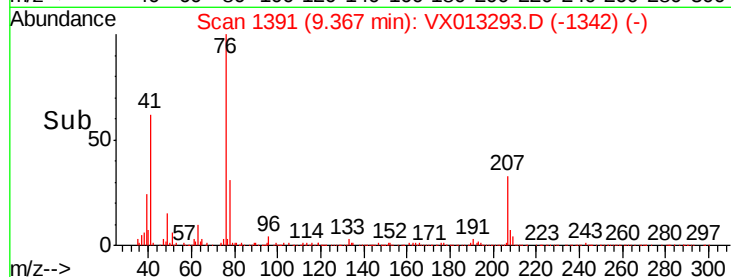
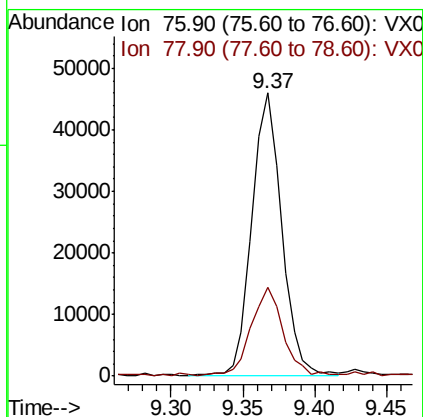
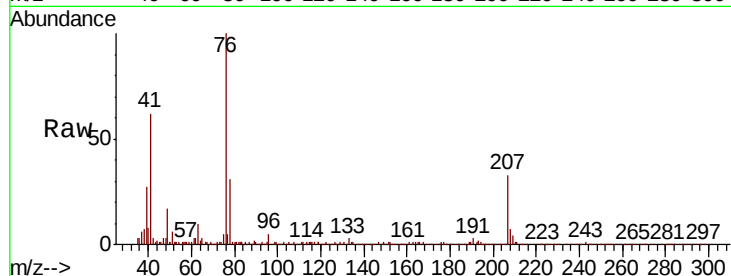




#57
 1,3-Dichloropropane
 Concen: 5.682 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX013293.D
 Acq: 31 Oct 2019 16:42

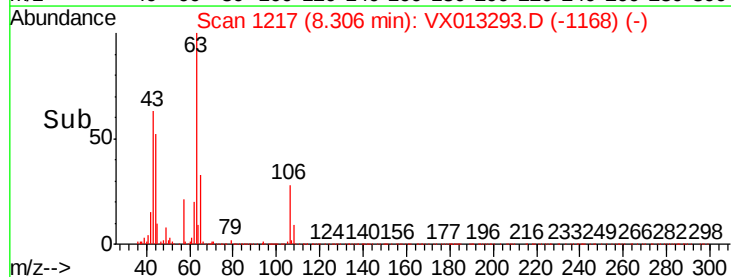
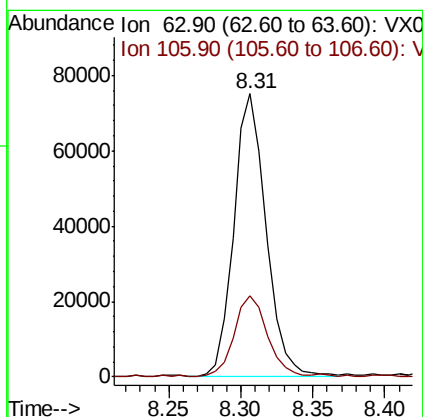
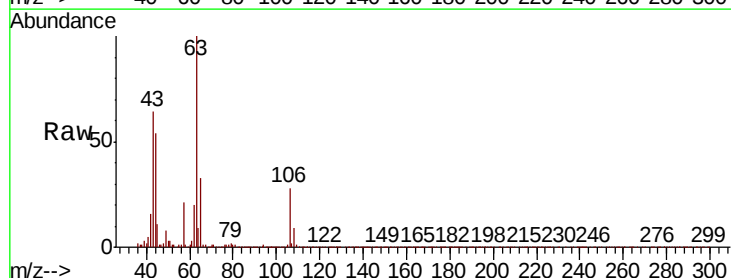
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

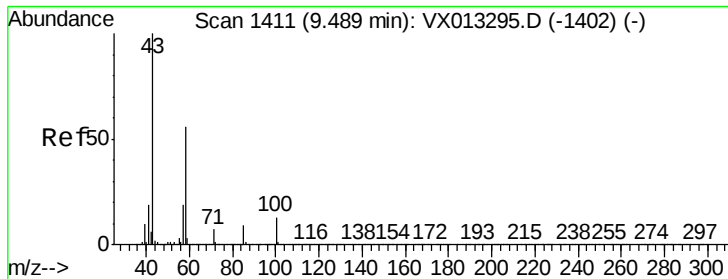
Tot Ion: 76 Resp: 66217
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 23.267 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VX013293.D
 Acq: 31 Oct 2019 16:42

Tgt Ion: 63 Resp: 117889
 Ion Ratio Lower Upper
 63 100
 106 29.2 23.4 35.2

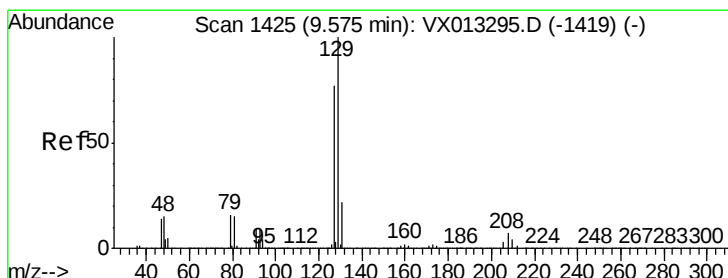
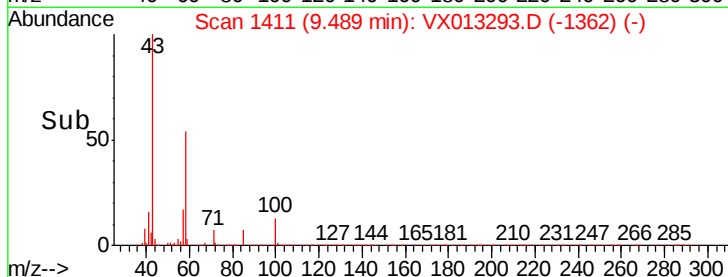
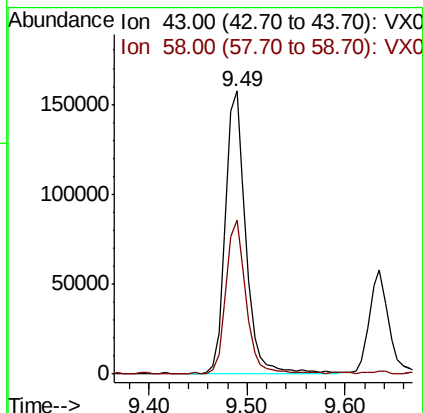
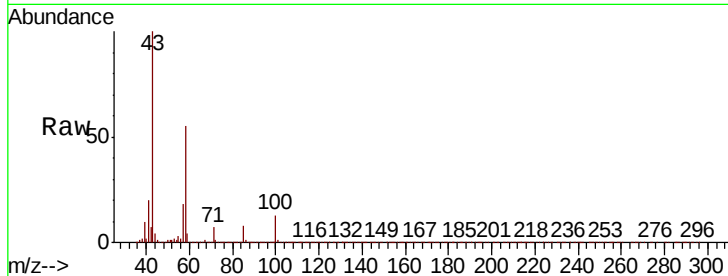




#59
2-Hexanone
Concen: 29.399 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. -0.00 min
Lab File: VX013293.D
Acq: 31 Oct 2019 16:42

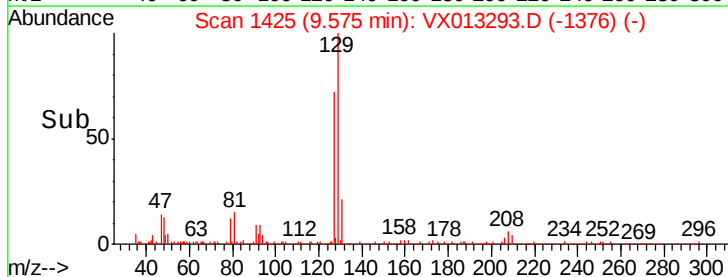
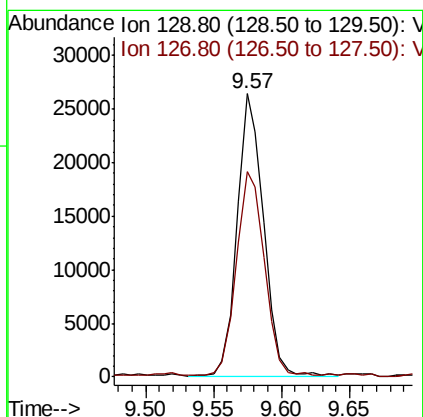
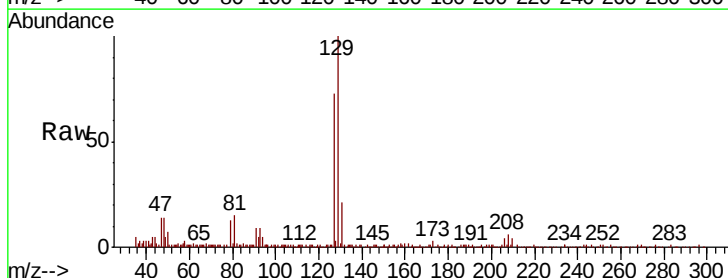
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

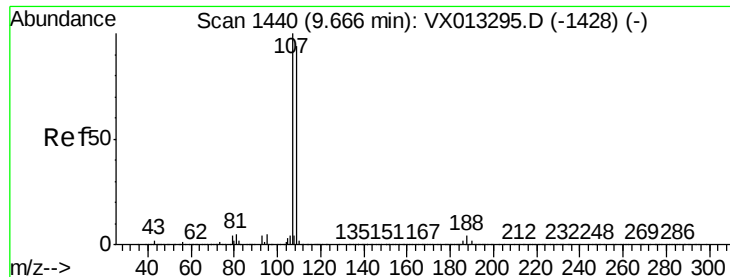
Tot Ion: 43 Resp: 225574
Ion Ratio Lower Upper
43 100
58 53.6 27.3 81.8



#60
Dibromochloromethane
Concen: 4.905 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX013293.D
Acq: 31 Oct 2019 16:42

Tgt Ion: 129 Resp: 35939
Ion Ratio Lower Upper
129 100
127 76.0 39.1 117.2





#61

1,2-Dibromoethane

Concen: 5.307 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013293.D

Acq: 31 Oct 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

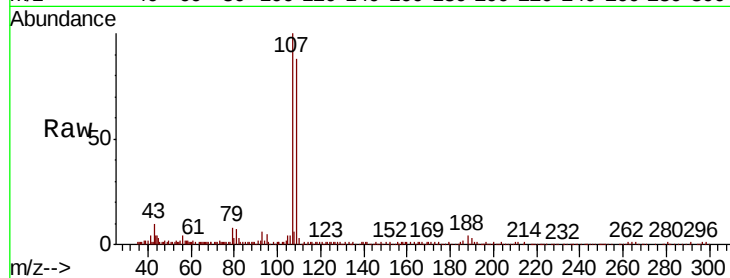
VSTDIC005

Tot Ion:107 Resp: 40816

Ion Ratio Lower Upper

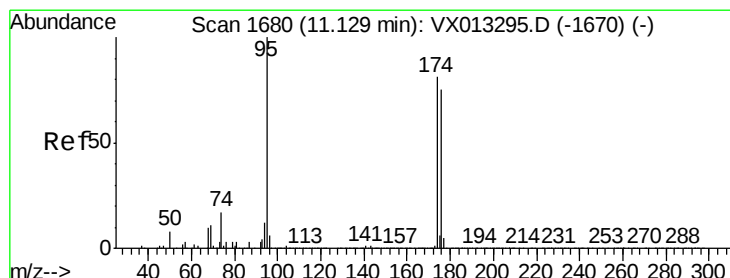
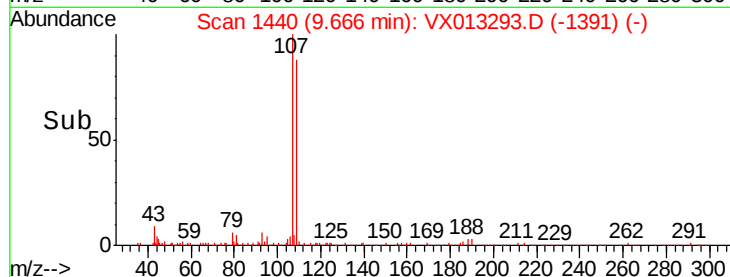
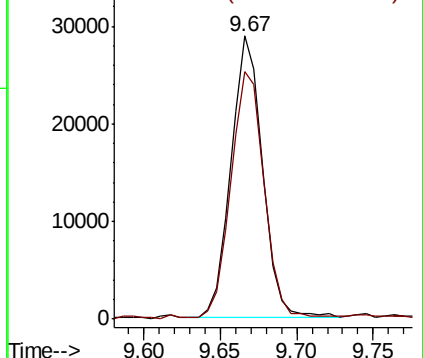
107 100

109 92.6 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 4.873 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX013293.D

Acq: 31 Oct 2019 16:42

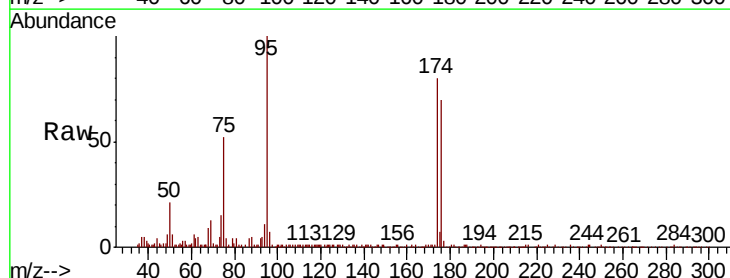
Tgt Ion: 95 Resp: 44678

Ion Ratio Lower Upper

95 100

174 90.2 0.0 179.8

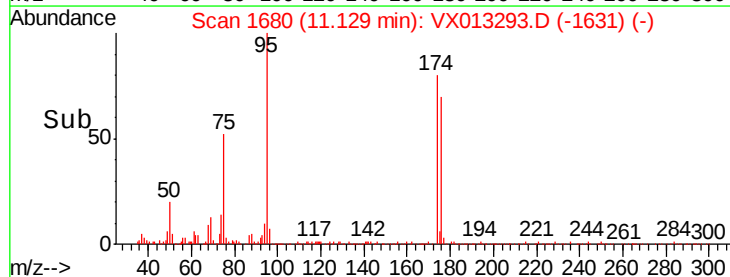
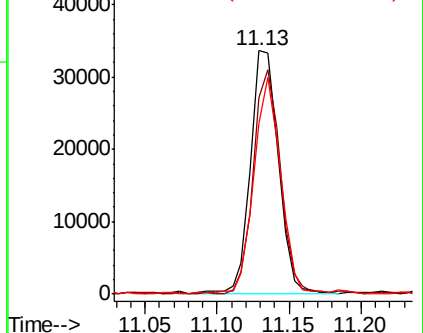
176 85.0 0.0 173.0

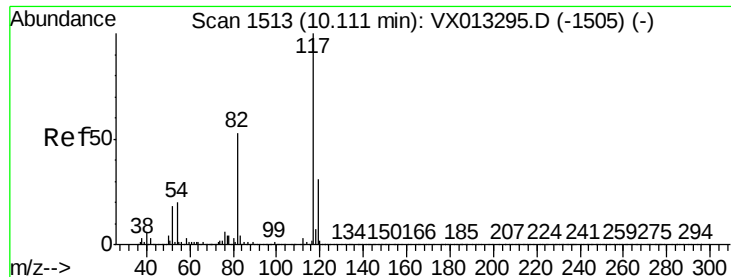


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

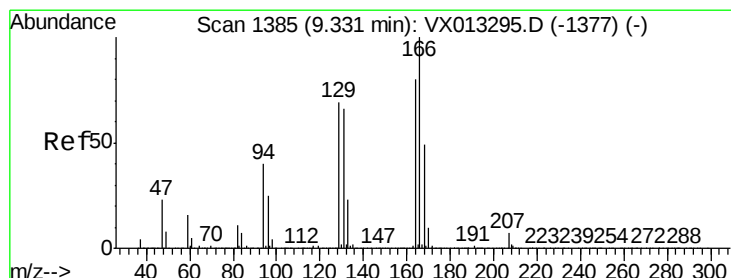
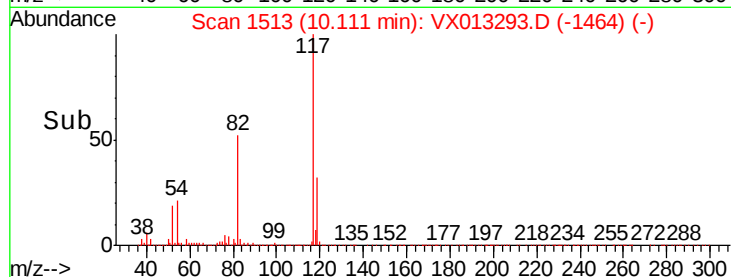
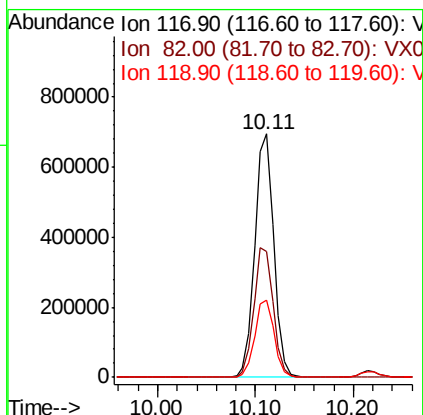
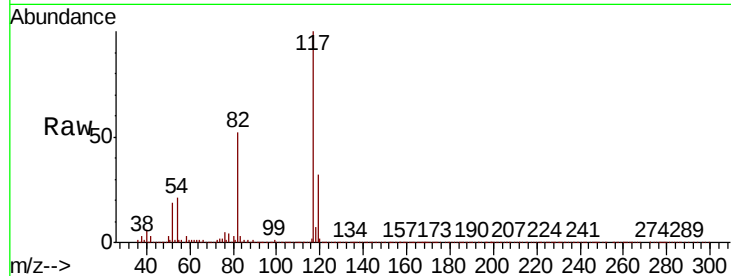




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013293.D
Acq: 31 Oct 2019 16:42

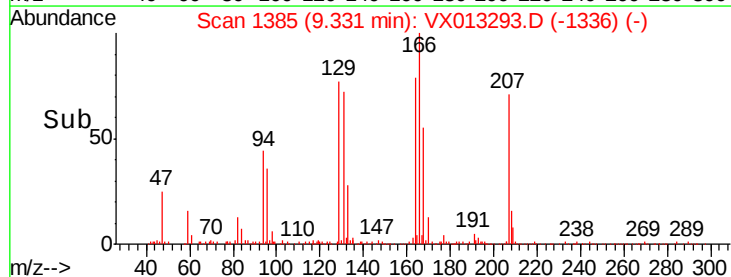
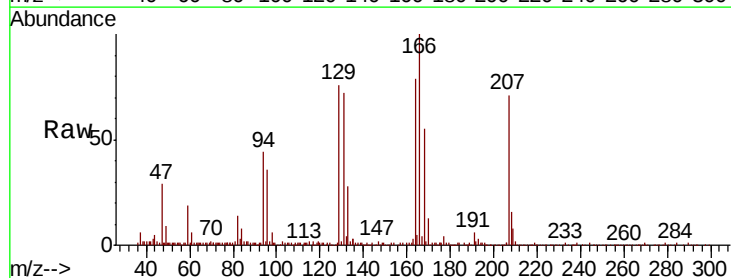
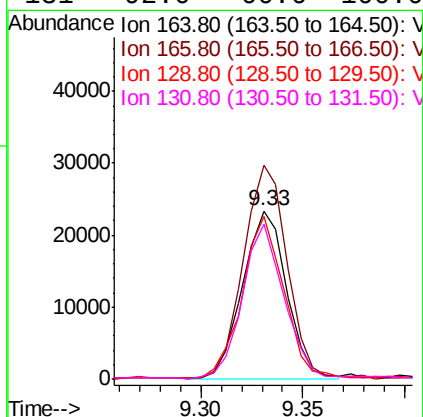
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

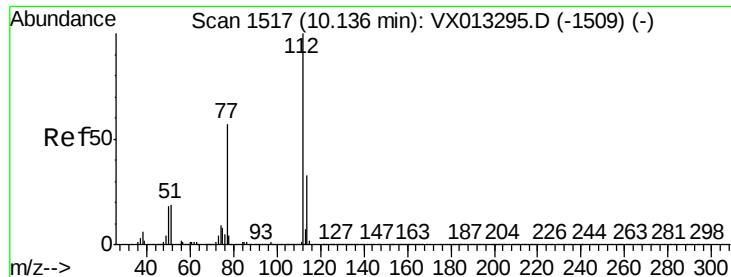
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	42.6	64.0
119	31.7	24.8	37.2



#64
Tetrachloroethene
Concen: 4.754 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013293.D
Acq: 31 Oct 2019 16:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	100.4	150.6
129	96.9	69.4	104.2
131	92.0	66.6	100.0





#65

Chlorobenzene

Concen: 5.358 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX013293.D

Acq: 31 Oct 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

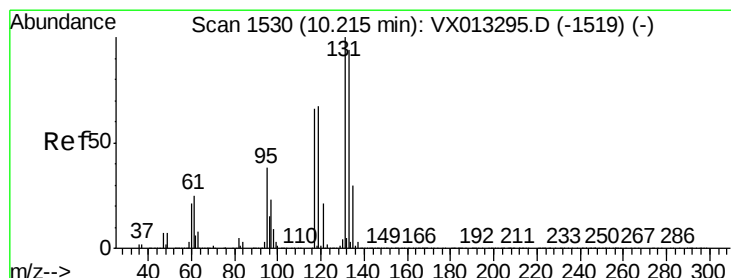
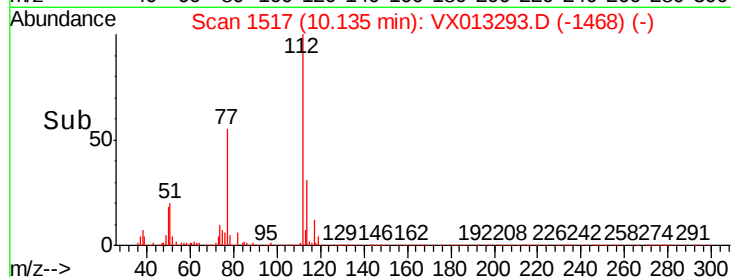
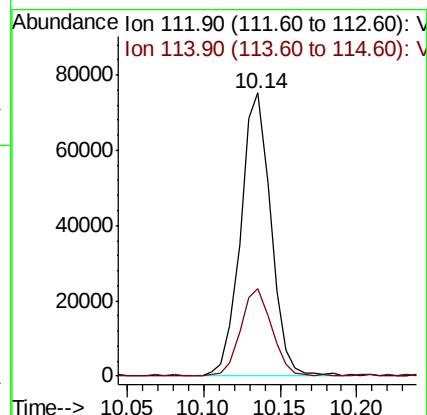
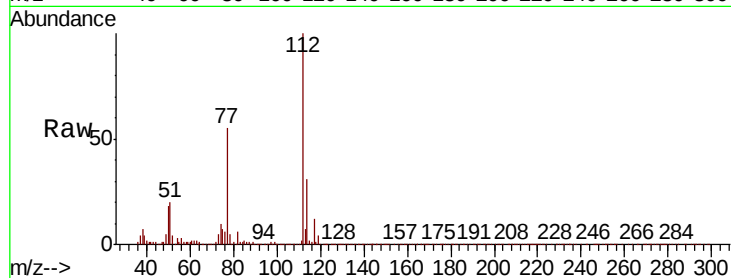
VSTDIC005

Tot Ion:112 Resp: 103155

Ion Ratio Lower Upper

112 100

114 30.6 26.4 39.6



#66

1,1,1,2-Tetrachloroethane

Concen: 5.483 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX013293.D

Acq: 31 Oct 2019 16:42

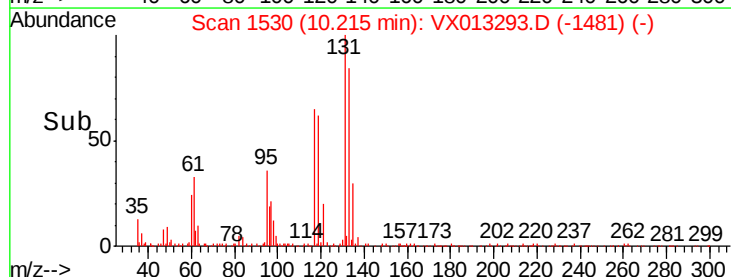
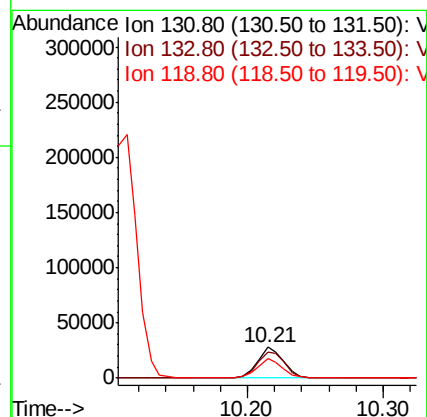
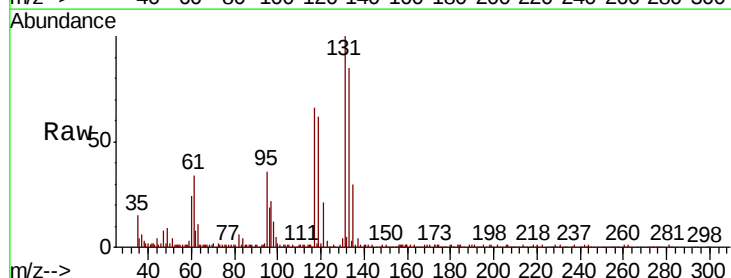
Tgt Ion:131 Resp: 37134

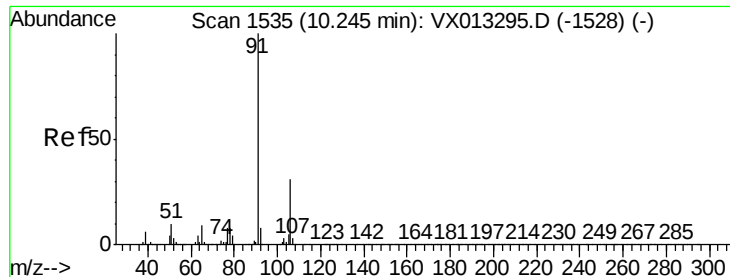
Ion Ratio Lower Upper

131 100

133 92.4 48.0 144.0

119 61.0 33.0 99.0





#67

Ethyl Benzene

Concen: 5.282 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX013293.D

Acq: 31 Oct 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

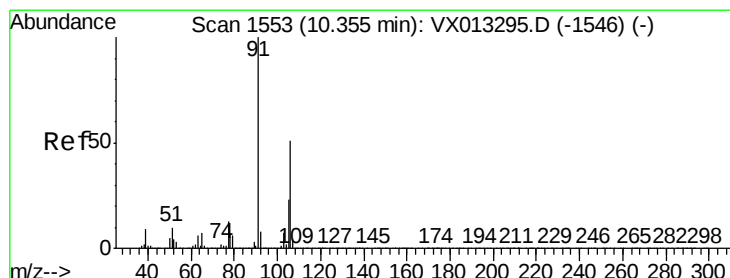
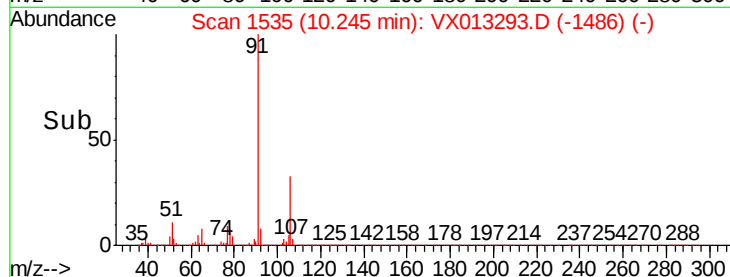
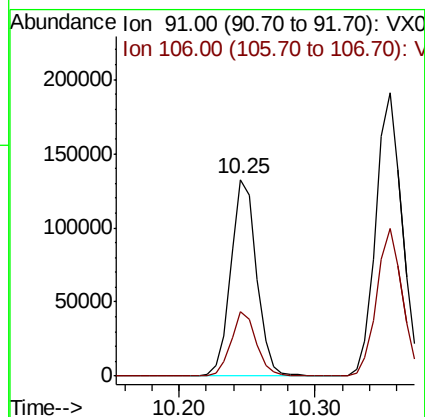
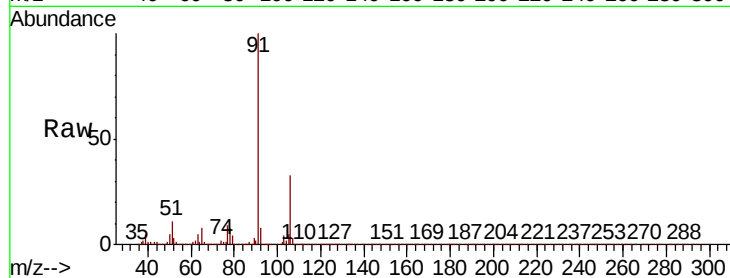
VSTDIC005

Tot Ion: 91 Resp: 173330

Ion Ratio Lower Upper

91 100

106 32.7 24.6 36.8



#68

m/p-Xylenes

Concen: 10.410 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013293.D

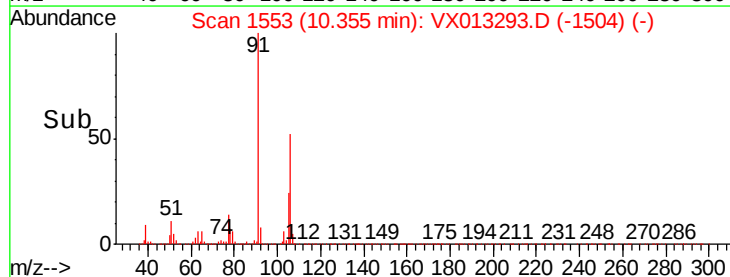
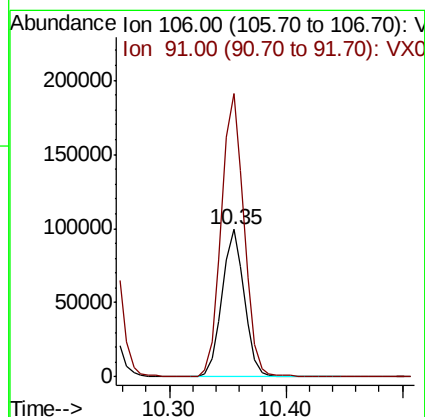
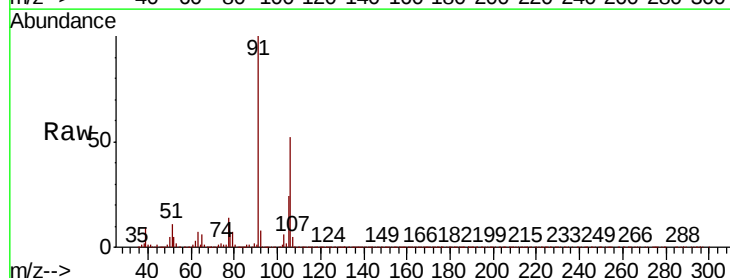
Acq: 31 Oct 2019 16:42

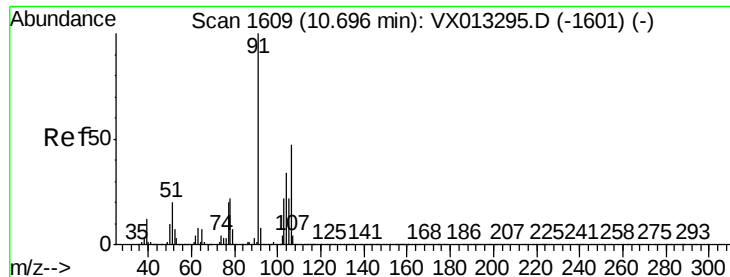
Tgt Ion: 106 Resp: 131028

Ion Ratio Lower Upper

106 100

91 194.3 159.3 238.9

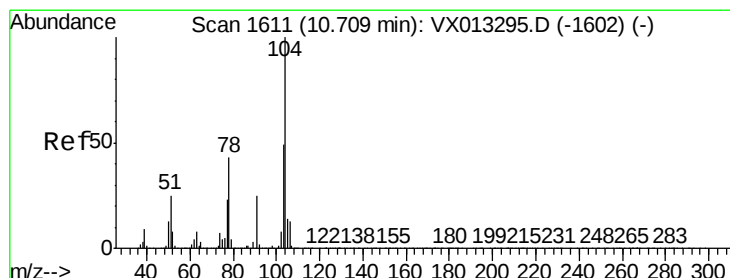
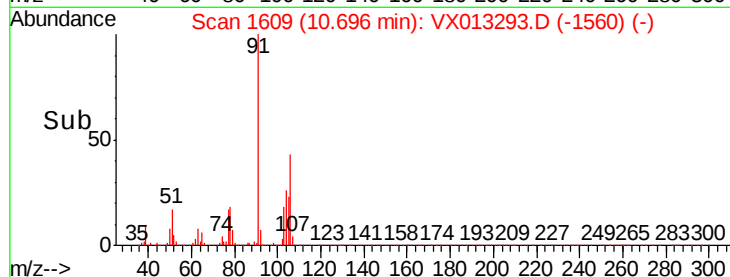
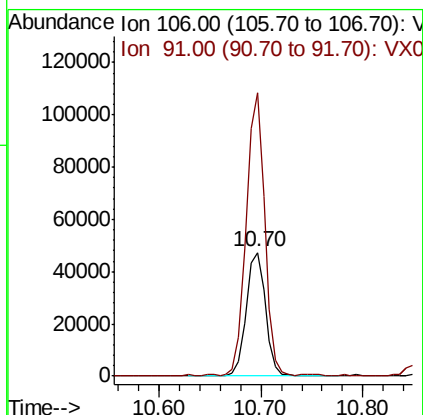
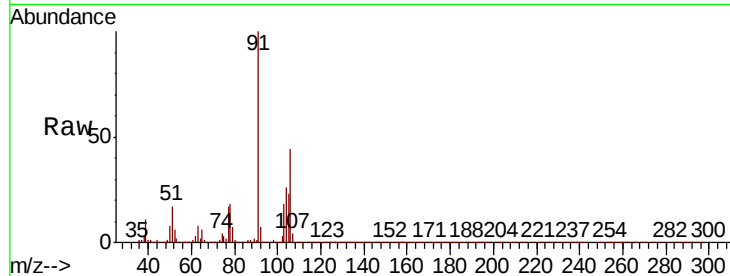




#69
o-Xylene
Concen: 5.151 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013293.D
Acq: 31 Oct 2019 16:42

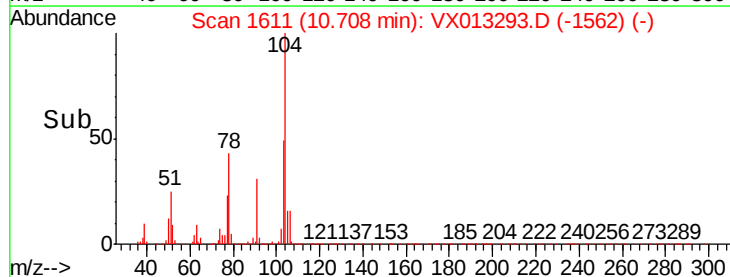
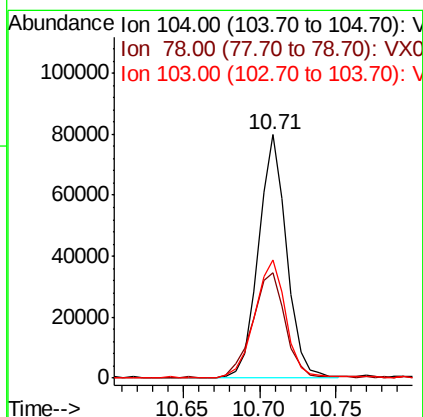
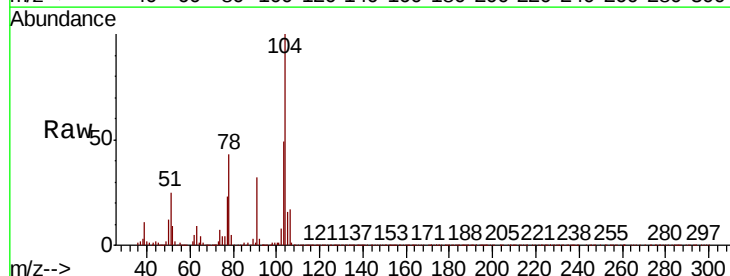
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 63065
Ion Ratio Lower Upper
106 100
91 217.0 105.7 317.0



#70
Styrene
Concen: 4.979 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013293.D
Acq: 31 Oct 2019 16:42

Tgt Ion:104 Resp: 101769
Ion Ratio Lower Upper
104 100
78 50.1 40.0 60.0
103 54.0 44.1 66.1





#71

Bromoform

Concen: 4.730 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX013293.D

Acq: 31 Oct 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

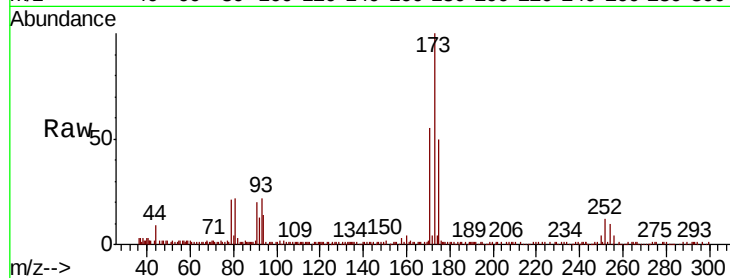
Tot Ion:173 Resp: 25673

Ion Ratio Lower Upper

173 100

175 52.1 24.8 74.4

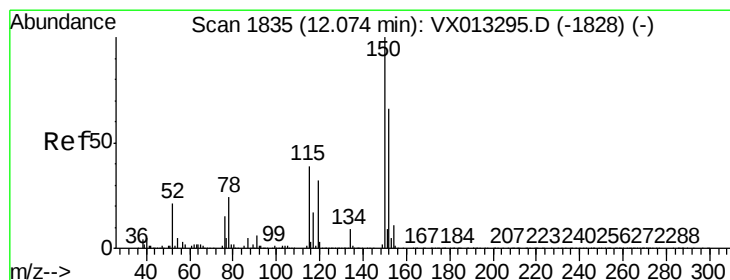
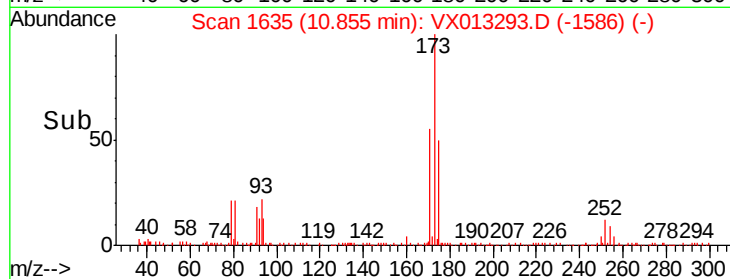
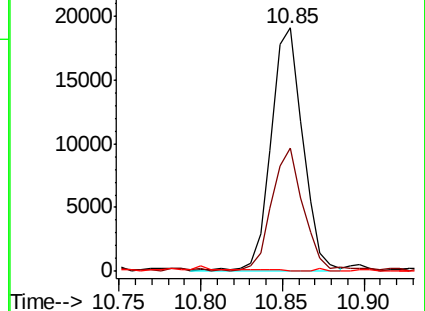
254 0.9 0.2 0.2#



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: VX013293.D

Acq: 31 Oct 2019 16:42

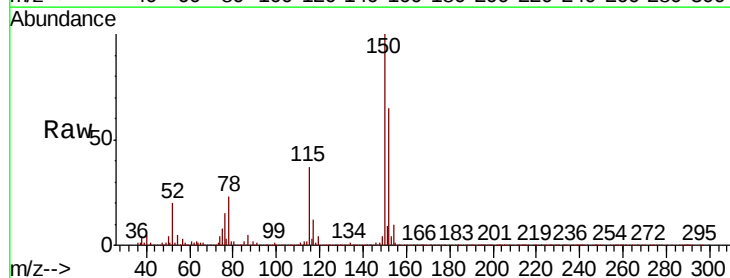
Tgt Ion:152 Resp: 461703

Ion Ratio Lower Upper

152 100

115 57.8 39.5 118.3

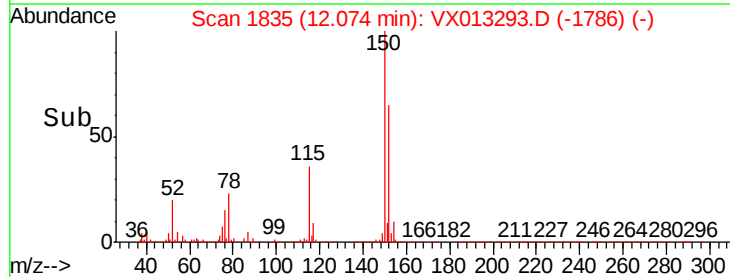
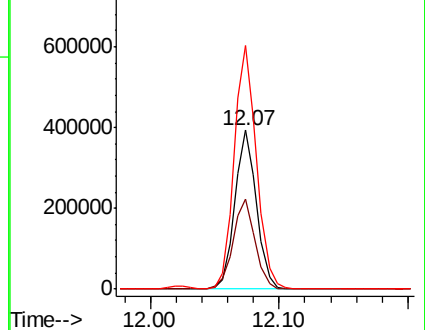
150 157.4 0.0 344.4

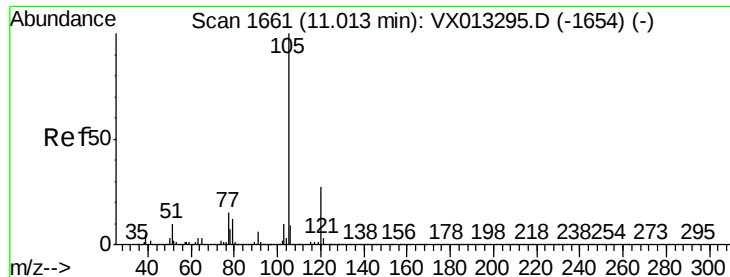


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.356 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013293.D

Acq: 31 Oct 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

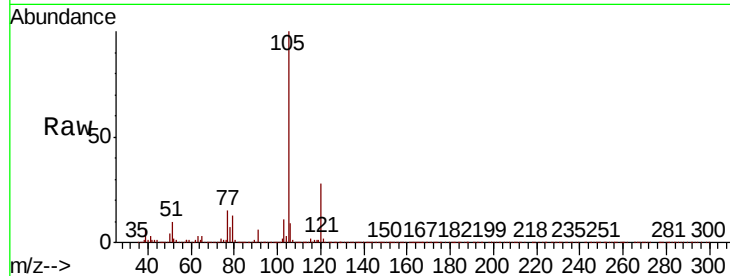
VSTDIC005

Tot Ion:105 Resp: 168302

Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.01

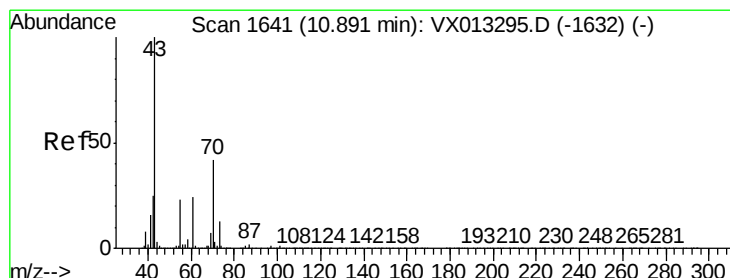
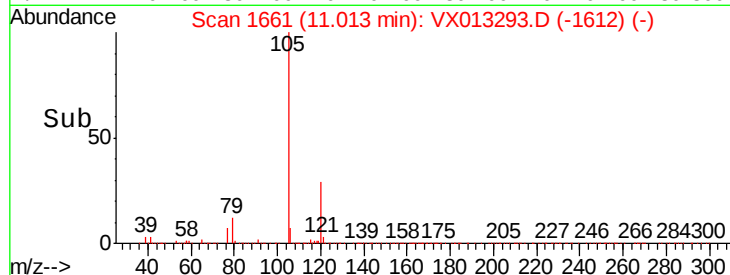
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 5.752 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013293.D

Acq: 31 Oct 2019 16:42

Tgt Ion: 43 Resp: 71765

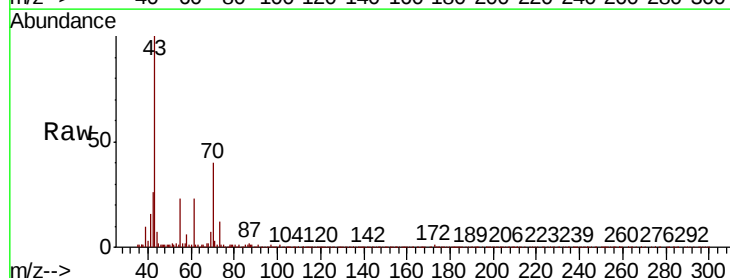
Ion Ratio Lower Upper

43 100

70 42.4 34.1 51.1

55 24.0 18.9 28.3

61 23.3 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

80000

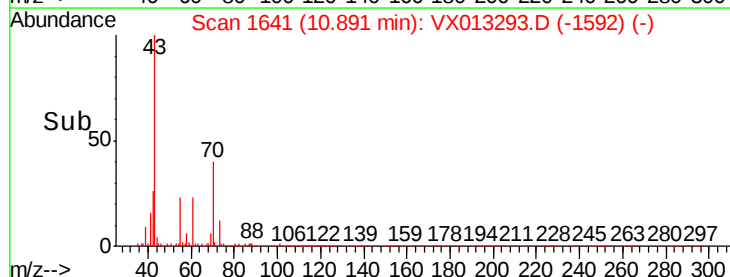
60000

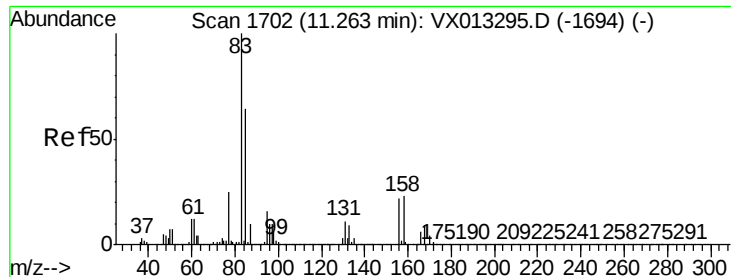
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 5.912 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013293.D

Acq: 31 Oct 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

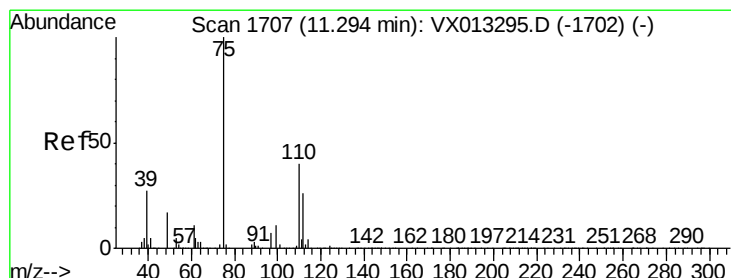
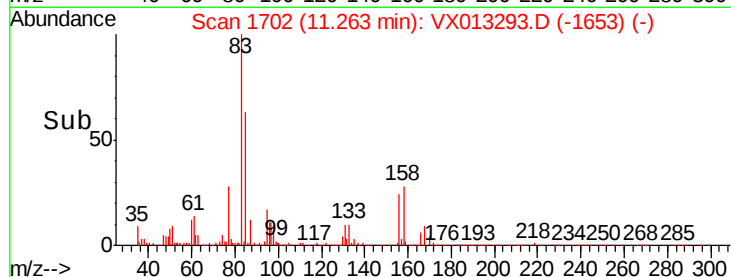
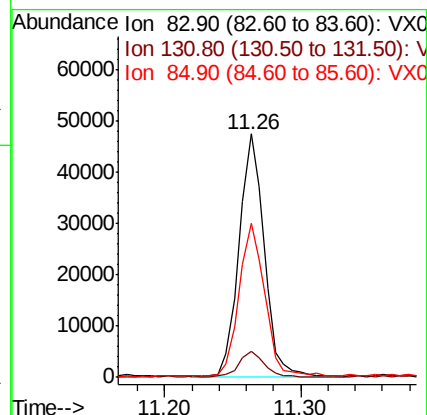
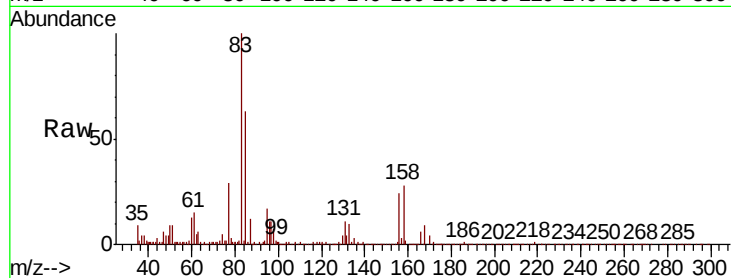
Tot Ion: 83 Resp: 61643

Ion Ratio Lower Upper

83 100

131 10.5 5.1 15.3

85 63.4 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 7.515 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX013293.D

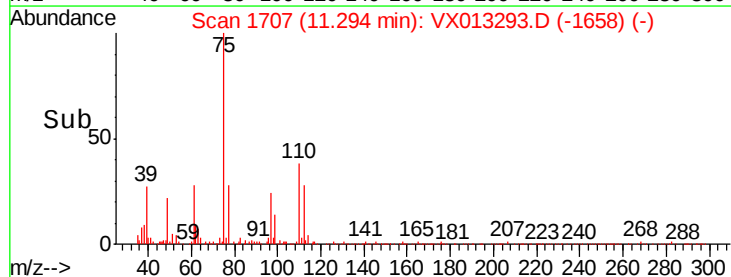
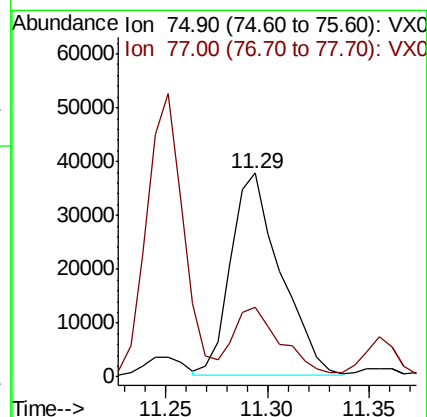
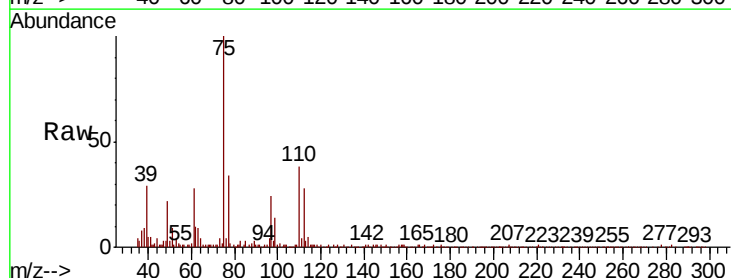
Acq: 31 Oct 2019 16:42

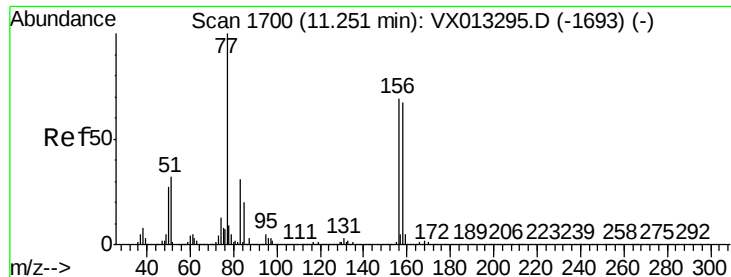
Tgt Ion: 75 Resp: 63561

Ion Ratio Lower Upper

75 100

77 32.2 22.3 66.8

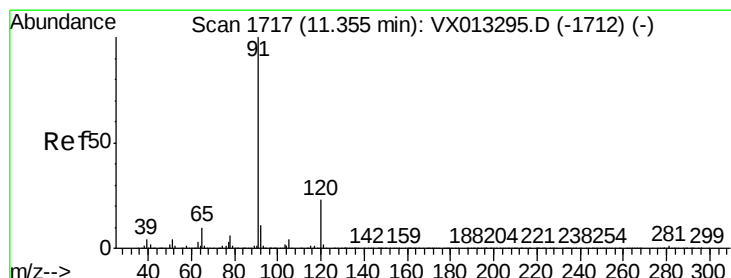
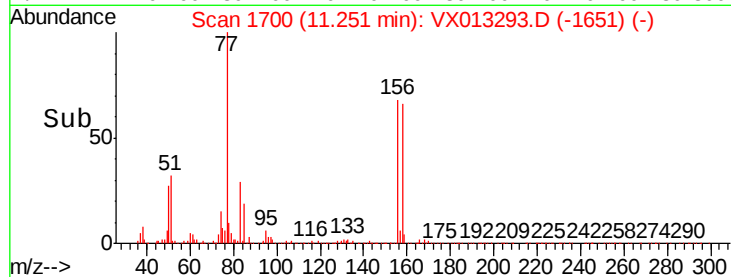
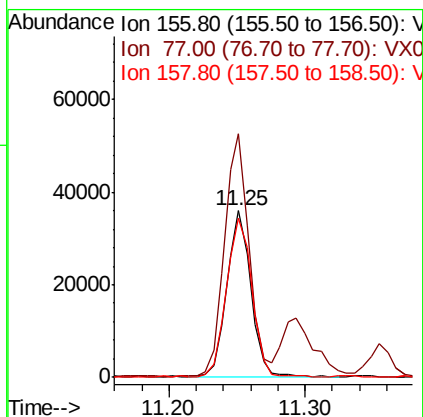
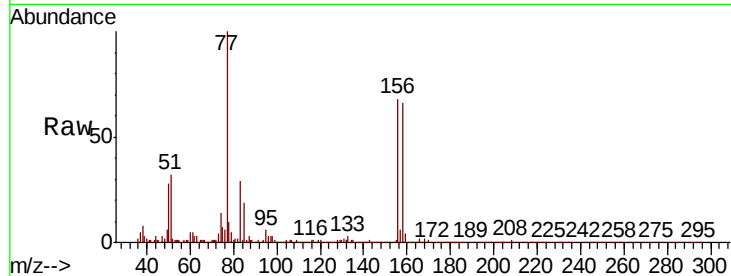




#77
Bromobenzene
Concen: 5.080 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. -0.00 min
Lab File: VX013293.D
Acq: 31 Oct 2019 16:42

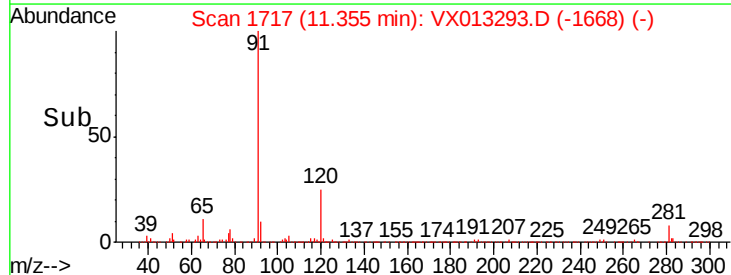
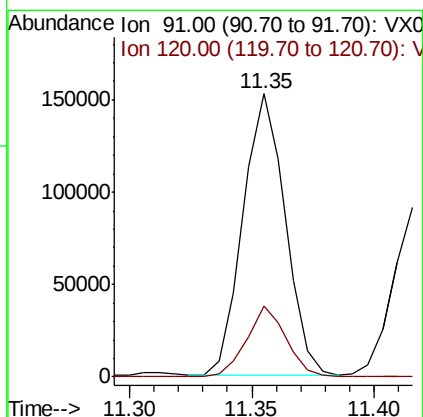
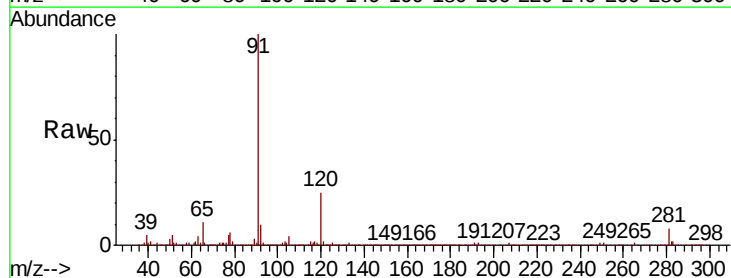
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

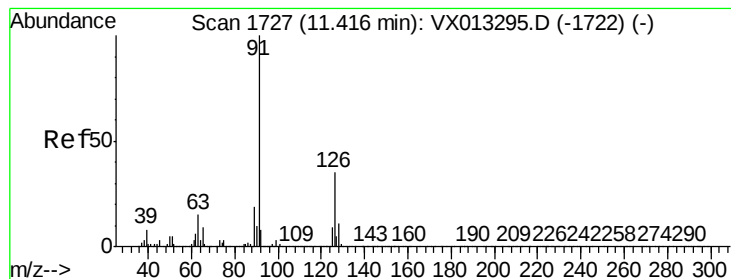
Tot Ion:156 Resp: 43749
Ion Ratio Lower Upper
156 100
77 150.0 75.8 227.4
158 102.8 47.6 142.8



#78
n-propylbenzene
Concen: 5.297 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. -0.00 min
Lab File: VX013293.D
Acq: 31 Oct 2019 16:42

Tgt Ion: 91 Resp: 184304
Ion Ratio Lower Upper
91 100
120 23.9 11.6 34.8





#79

2-Chlorotoluene

Concen: 5.380 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013293.D

Acq: 31 Oct 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

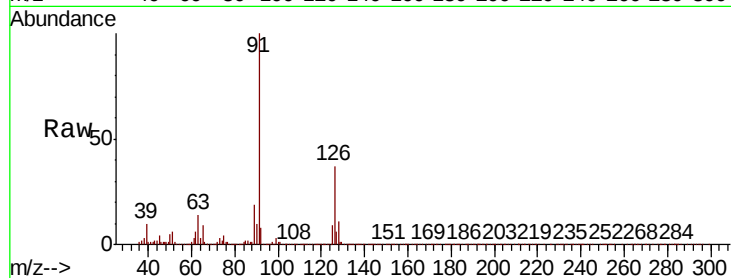
VSTDIC005

Tot Ion: 91 Resp: 112288

Ion Ratio Lower Upper

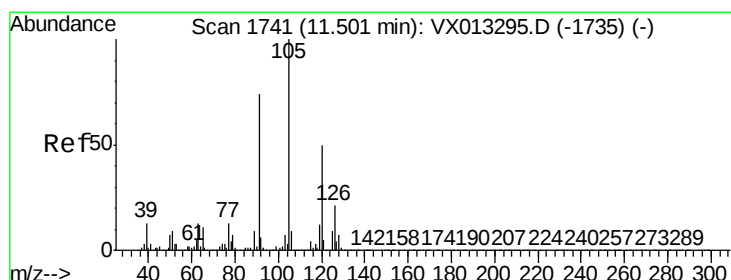
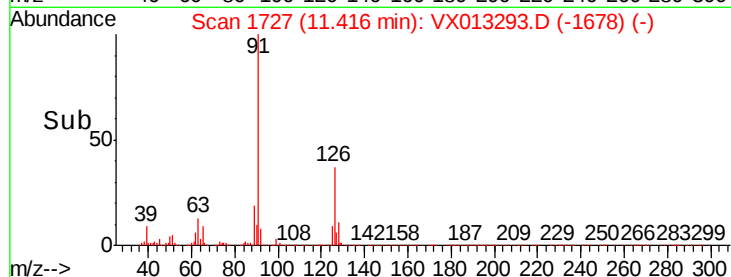
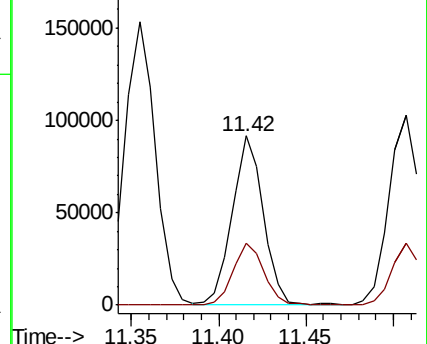
91 100

126 37.1 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: 5.241 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013293.D

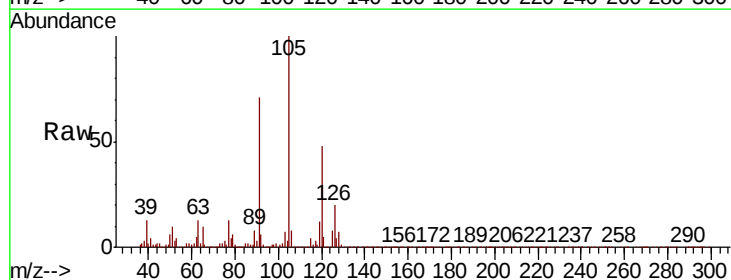
Acq: 31 Oct 2019 16:42

Tgt Ion: 105 Resp: 137205

Ion Ratio Lower Upper

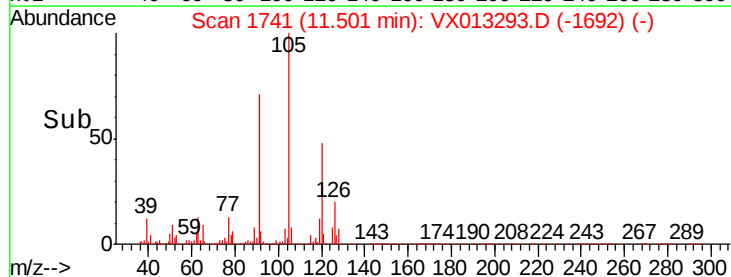
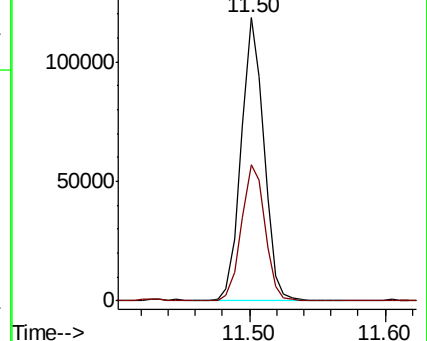
105 100

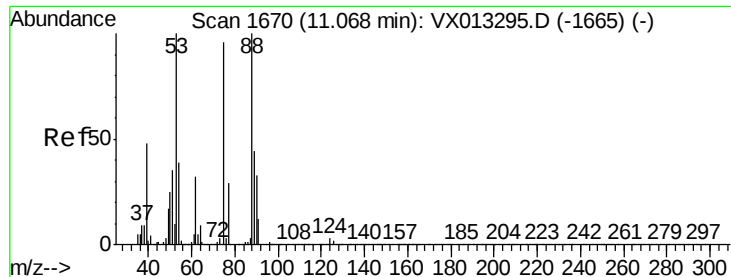
120 49.8 24.9 74.8



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: 4.823 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX013293.D

Acq: 31 Oct 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

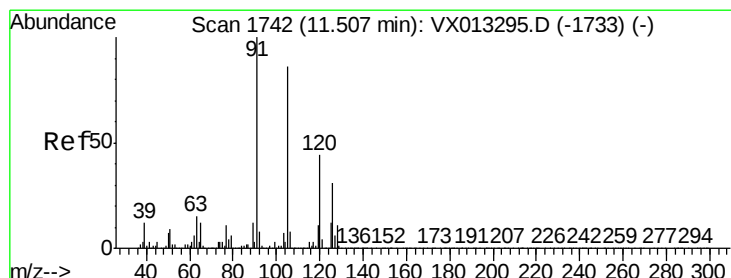
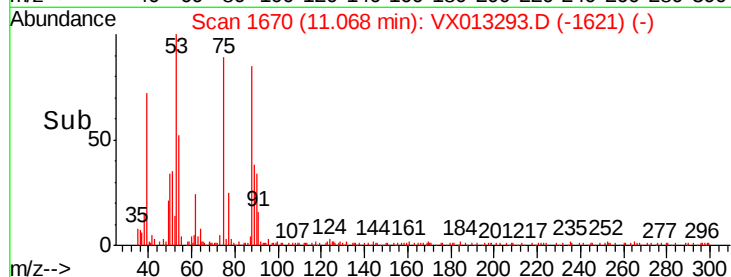
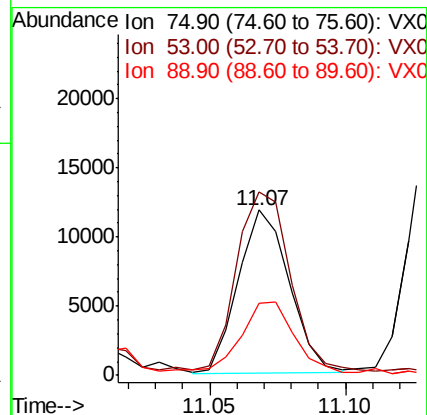
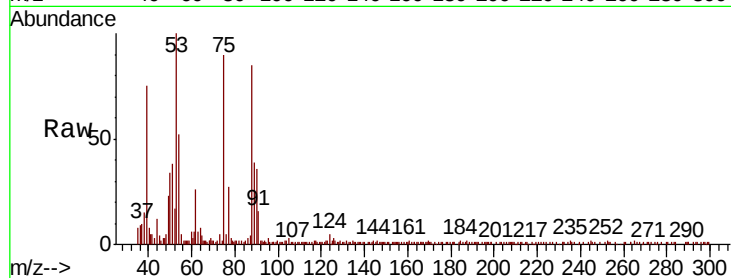
Tot Ion: 75 Resp: 15352

Ion Ratio Lower Upper

75 100

53 113.8 81.0 121.6

89 44.1 36.0 54.0



#82

4-Chlorotoluene

Concen: 5.277 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX013293.D

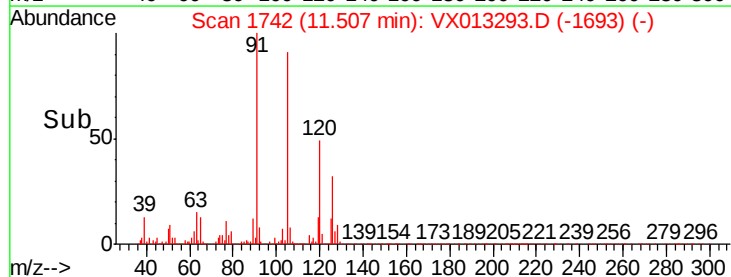
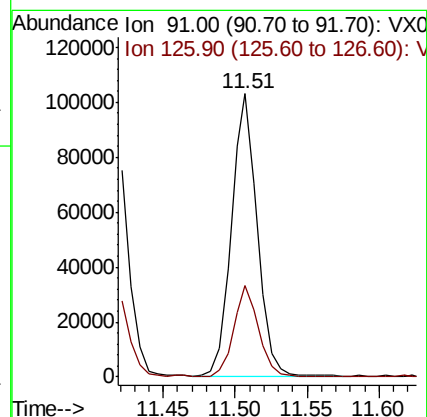
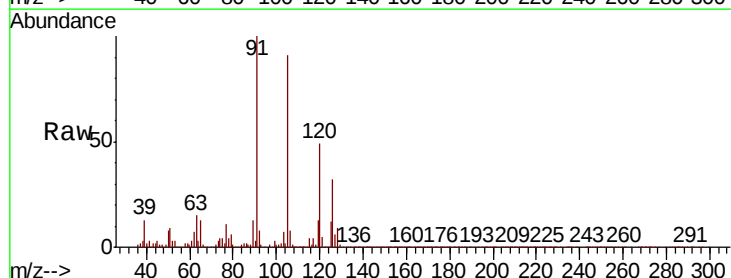
Acq: 31 Oct 2019 16:42

Tgt Ion: 91 Resp: 128164

Ion Ratio Lower Upper

91 100

126 31.0 15.3 45.8

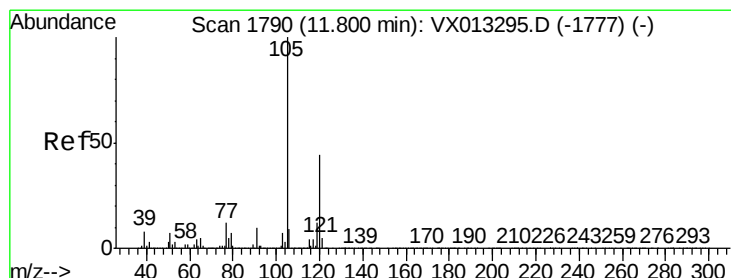
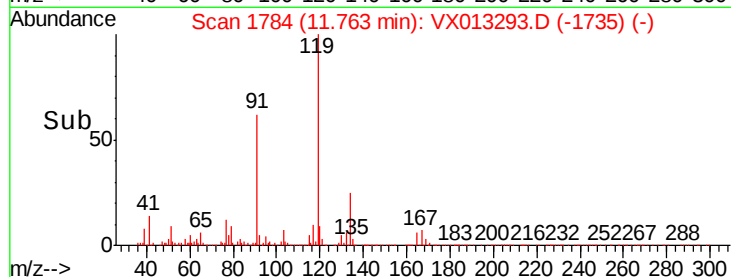
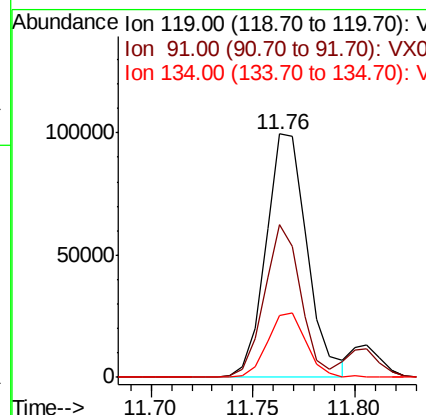
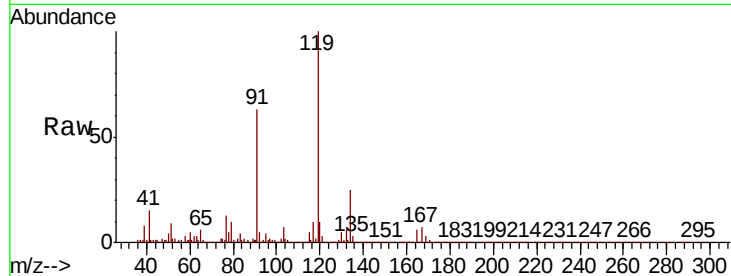




#83
tert-Butylbenzene
Concen: 5.381 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX013293.D
Acq: 31 Oct 2019 16:42

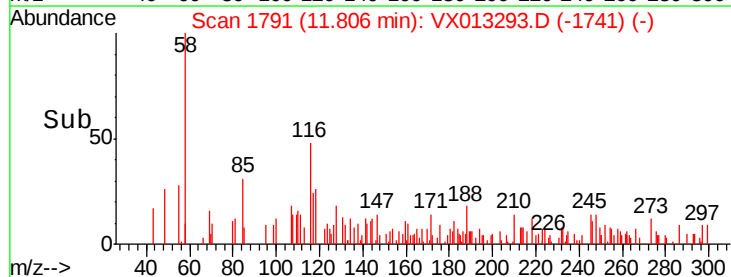
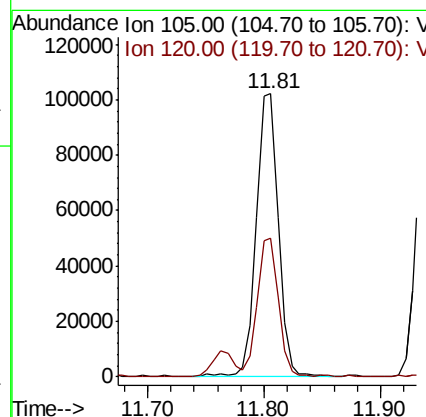
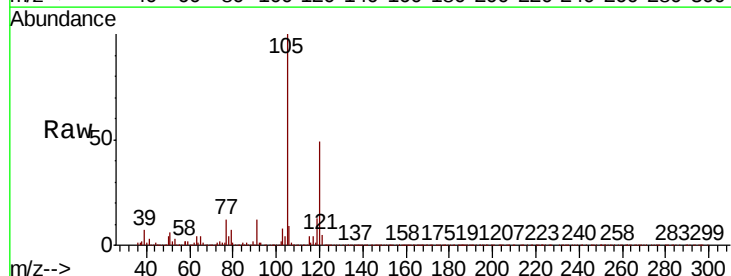
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

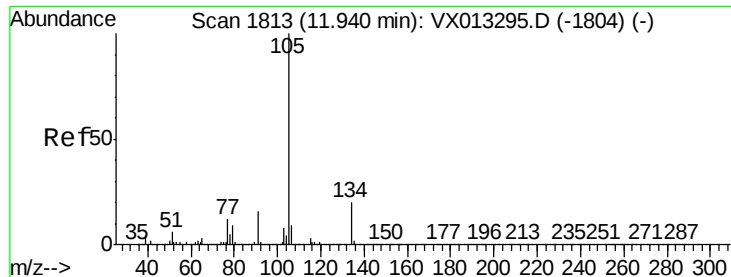
Tot Ion:119 Resp: 139440
Ion Ratio Lower Upper
119 100
91 55.4 26.9 80.7
134 25.1 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 5.107 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.01 min
Lab File: VX013293.D
Acq: 31 Oct 2019 16:42

Tgt Ion:105 Resp: 134957
Ion Ratio Lower Upper
105 100
120 46.4 22.7 68.1





#85

sec-Butylbenzene

Concen: 5.204 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013293.D

Acq: 31 Oct 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

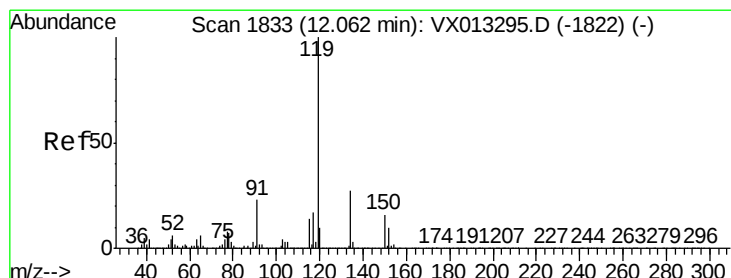
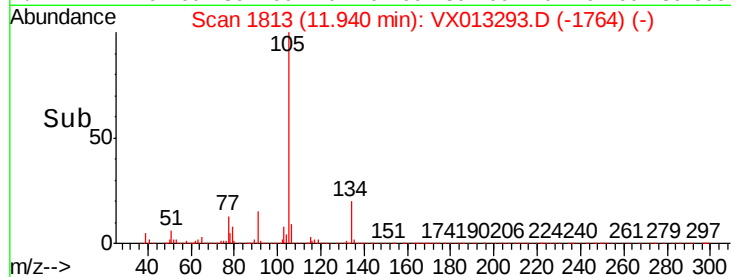
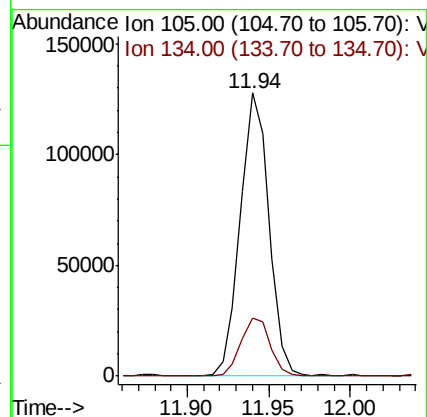
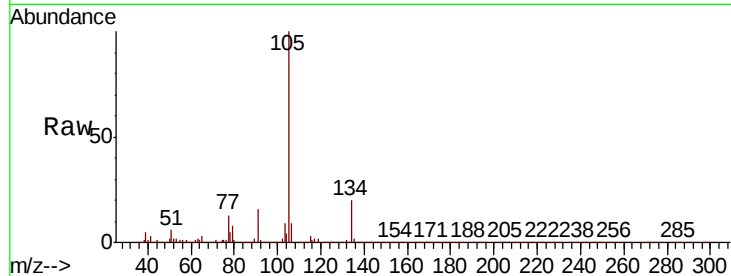
VSTDIC005

Tot Ion:105 Resp: 156751

Ion Ratio Lower Upper

105 100

134 20.8 10.3 30.9



#86

p-Isopropyltoluene

Concen: 5.120 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX013293.D

Acq: 31 Oct 2019 16:42

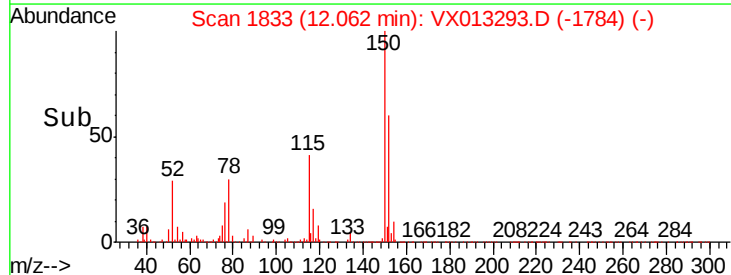
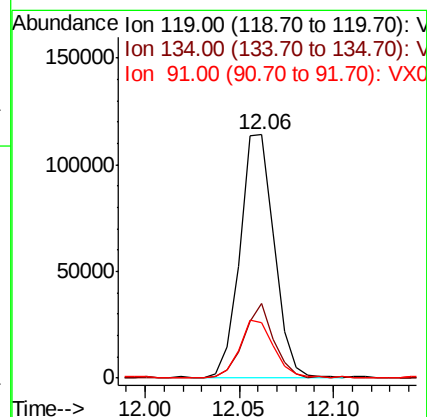
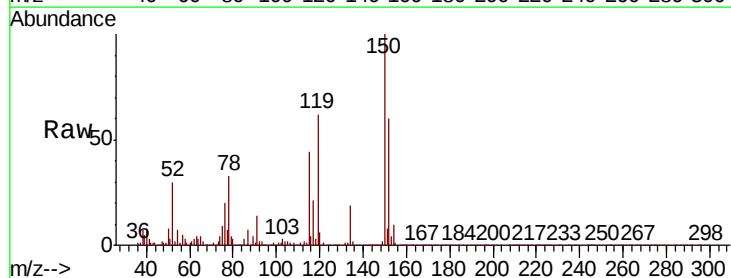
Tgt Ion:119 Resp: 142688

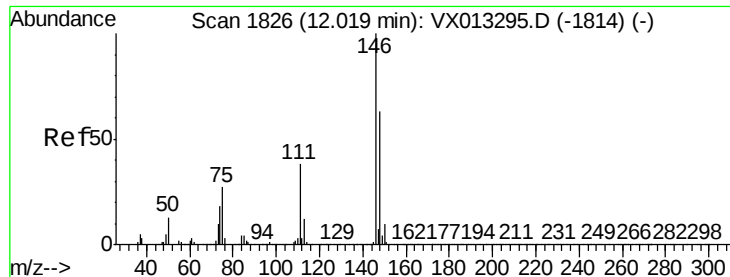
Ion Ratio Lower Upper

119 100

134 28.0 13.3 39.8

91 23.8 11.5 34.4

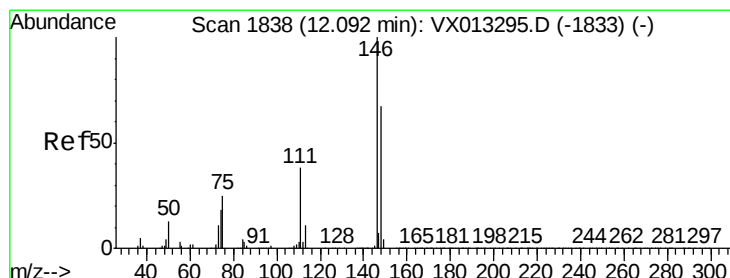
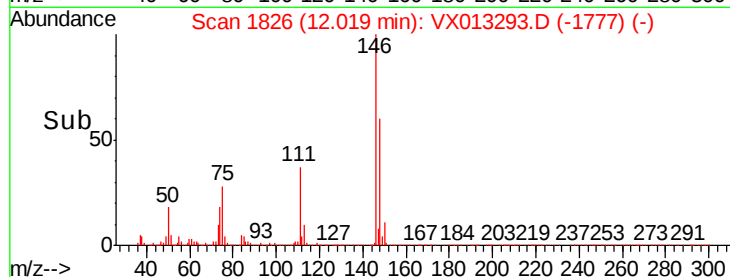
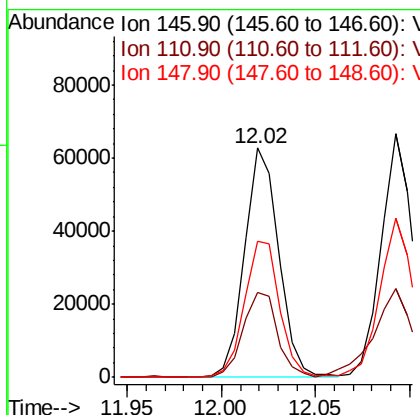
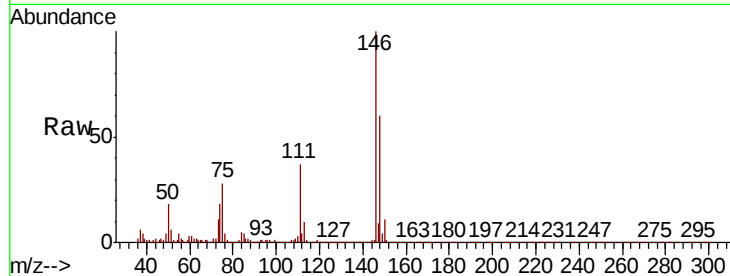




#87
 1,3-Dichlorobenzene
 Concen: 5.245 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013293.D
 Acq: 31 Oct 2019 16:42

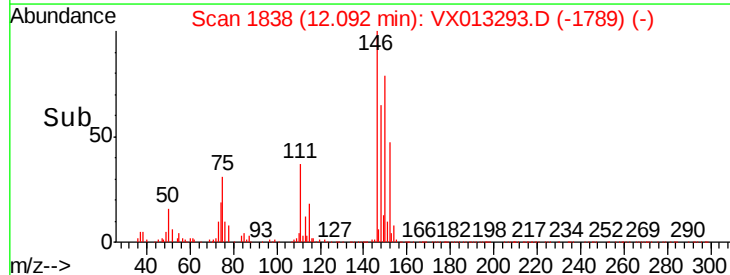
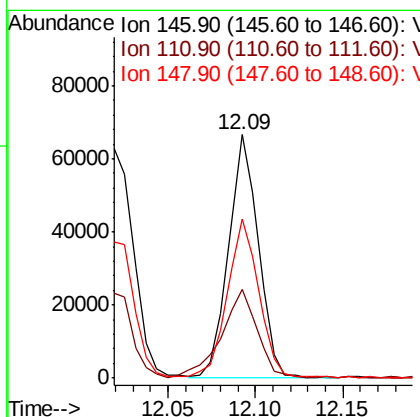
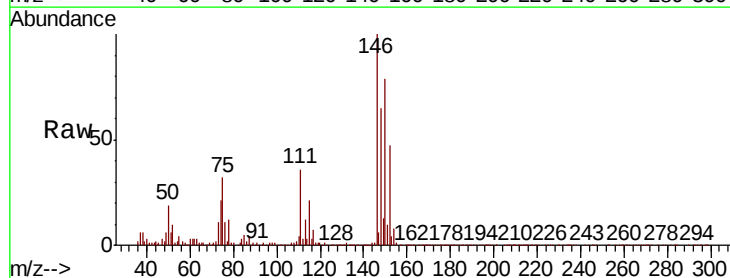
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

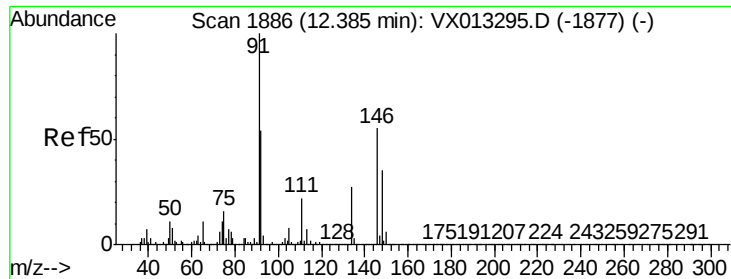
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.9	56.5
148	61.5	31.9	95.7



#88
 1,4-Dichlorobenzene
 Concen: 5.160 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013293.D
 Acq: 31 Oct 2019 16:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	18.8	56.4
148	68.3	32.4	97.0

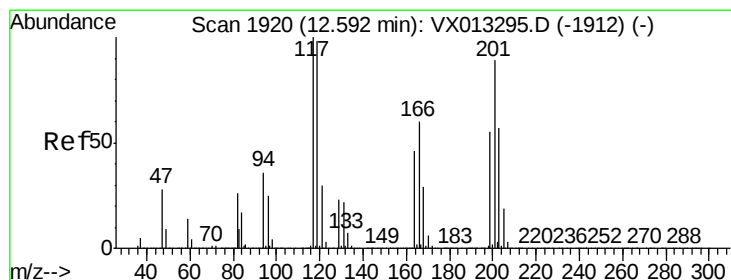
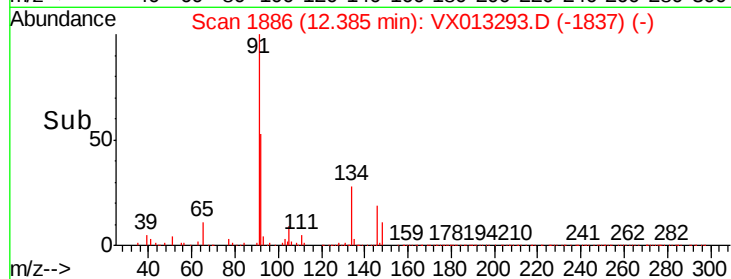
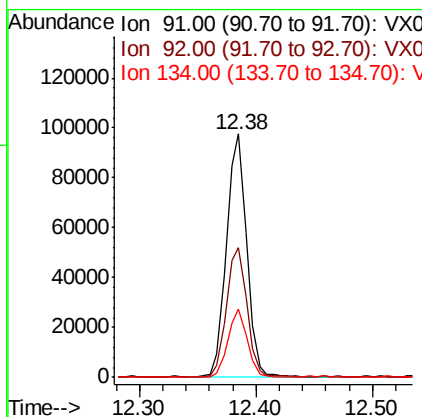
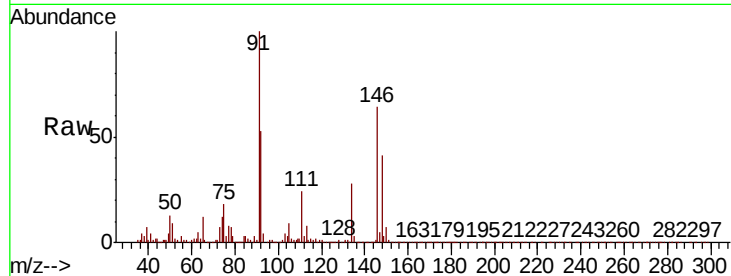




#89
n-Butylbenzene
Concen: 4.901 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013293.D
Acq: 31 Oct 2019 16:42

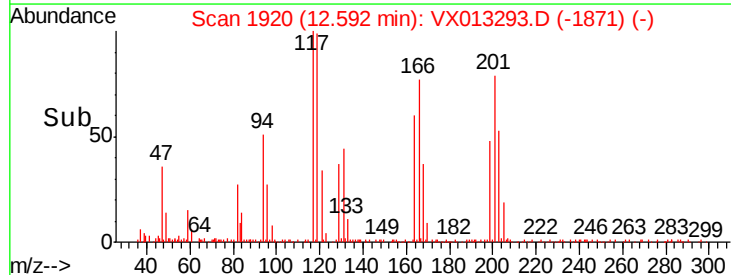
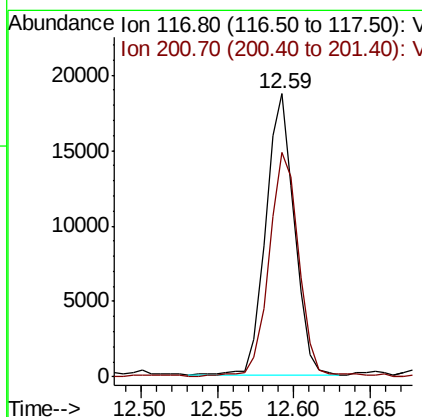
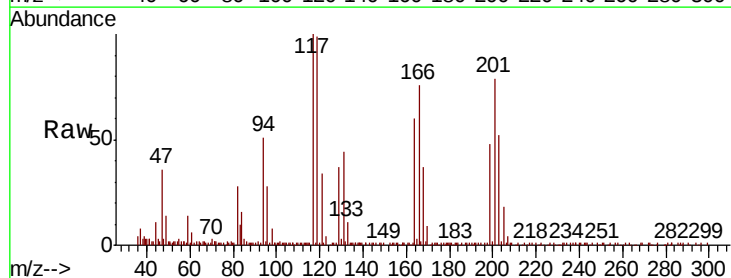
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

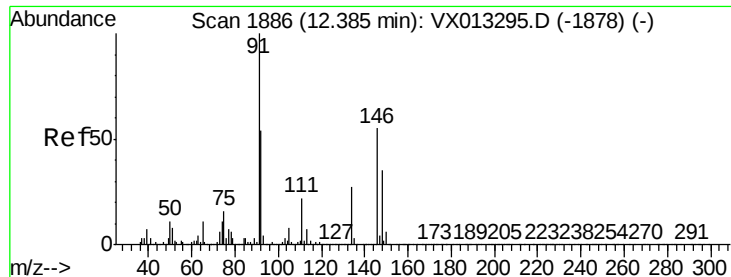
Tot Ion: 91 Resp: 117063
Ion Ratio Lower Upper
91 100
92 54.1 27.3 81.8
134 26.8 13.5 40.5



#90
Hexachloroethane
Concen: 5.434 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX013293.D
Acq: 31 Oct 2019 16:42

Tgt Ion: 117 Resp: 24328
Ion Ratio Lower Upper
117 100
201 84.4 43.9 131.7

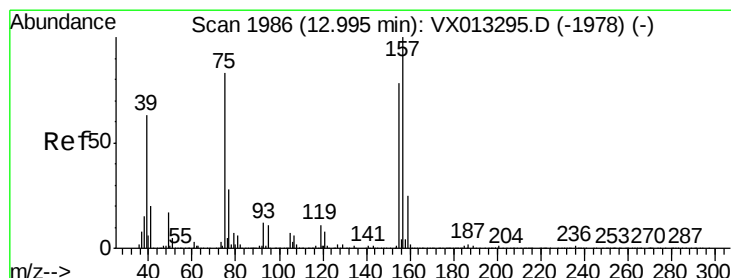
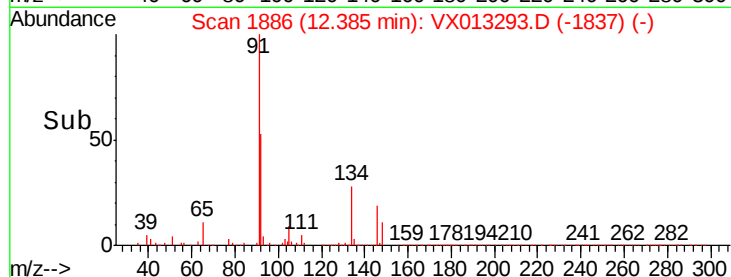
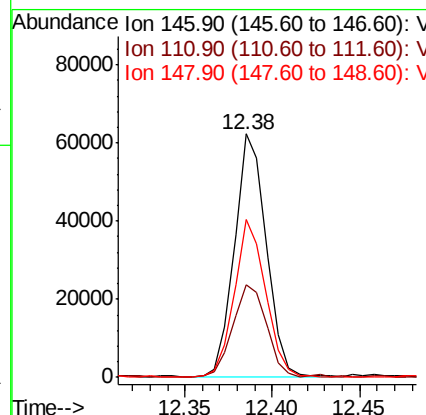
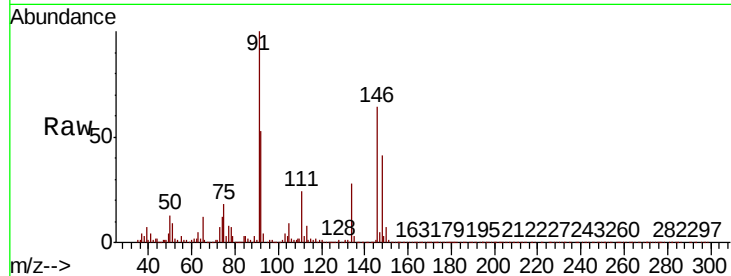




#91
 1,2-Dichlorobenzene
 Concen: 5.334 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013293.D
 Acq: 31 Oct 2019 16:42

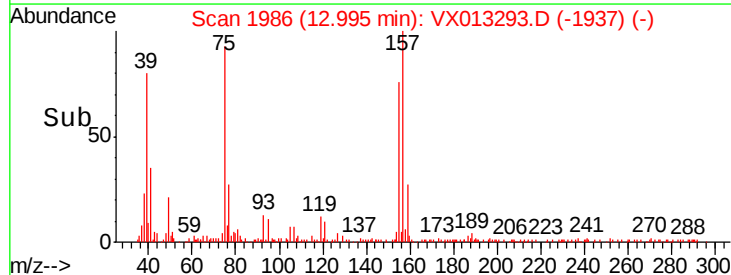
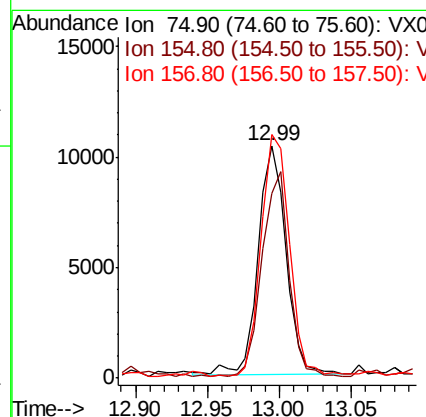
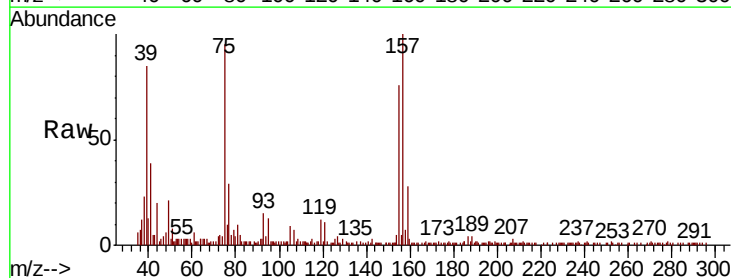
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

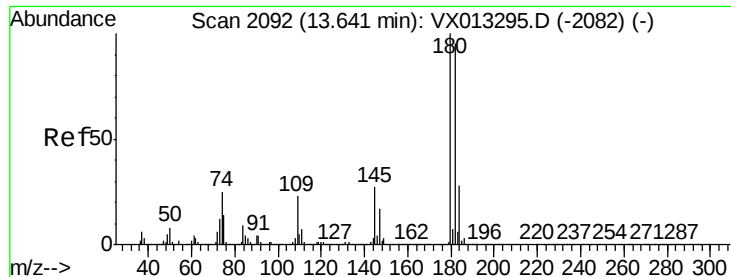
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.1	60.2
148	63.2	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 6.172 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX013293.D
 Acq: 31 Oct 2019 16:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.1	47.1	141.4
157	105.8	61.3	183.8

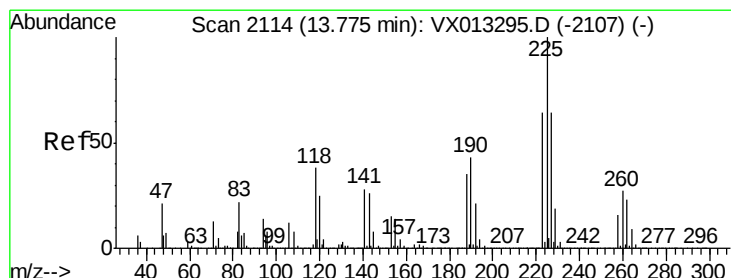
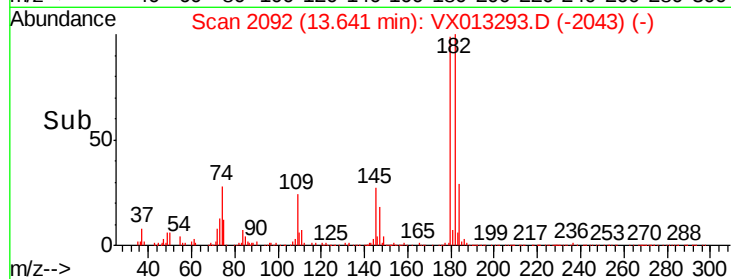
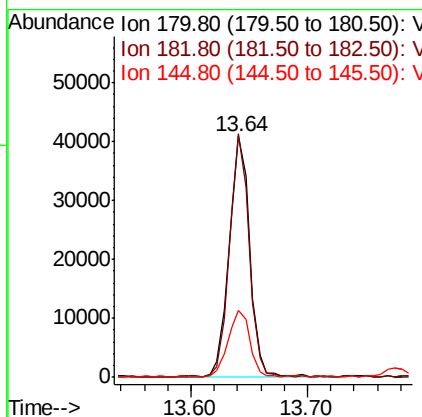
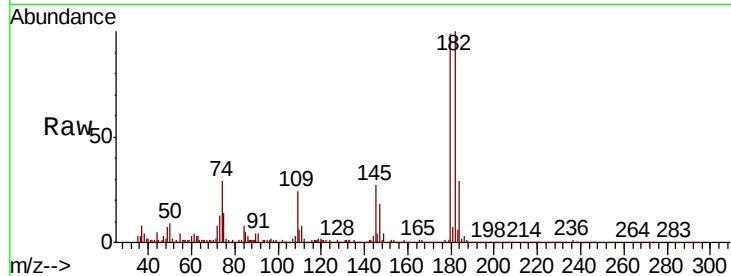




#93
 1,2,4-Trichlorobenzene
 Concen: 5.016 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013293.D
 Acq: 31 Oct 2019 16:42

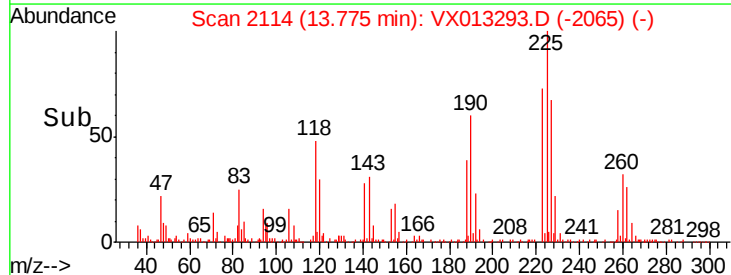
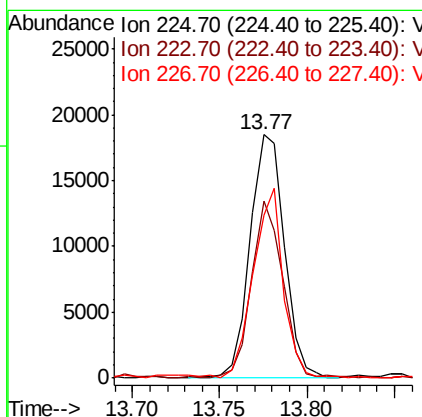
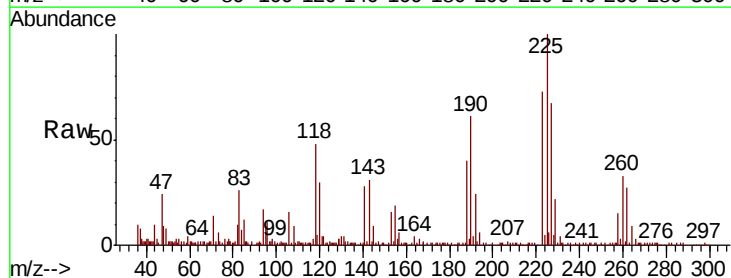
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

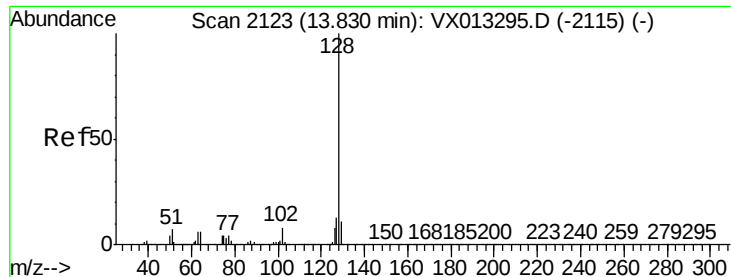
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.4	145.0
145	28.7	14.1	42.4



#94
 Hexachlorobutadiene
 Concen: 5.077 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX013293.D
 Acq: 31 Oct 2019 16:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.9	31.9	95.7
227	68.4	31.9	95.9





#95

Naphthalene

Concen: 5.105 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX013293.D

Acq: 31 Oct 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

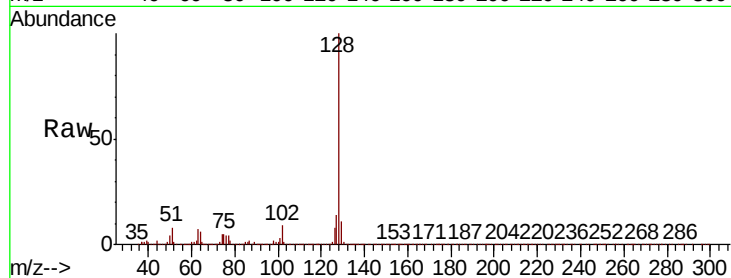
Tot Ion:128 Resp: 154954

Ion Ratio Lower Upper

128 100

127 13.7 10.2 15.2

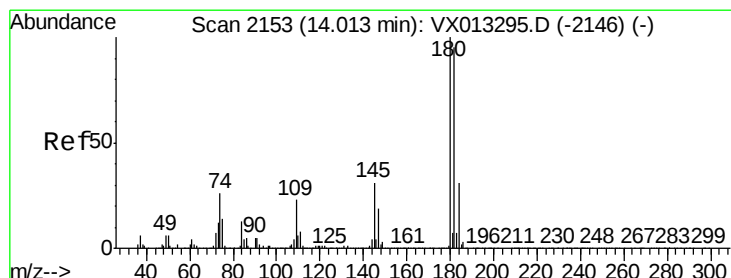
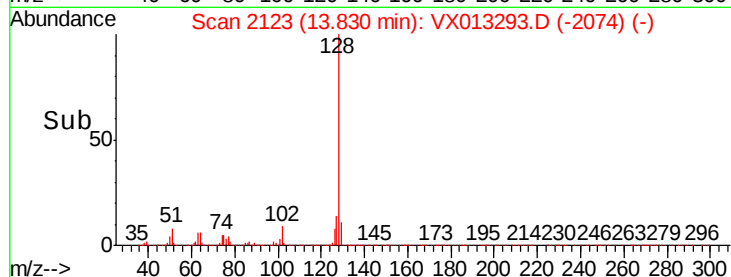
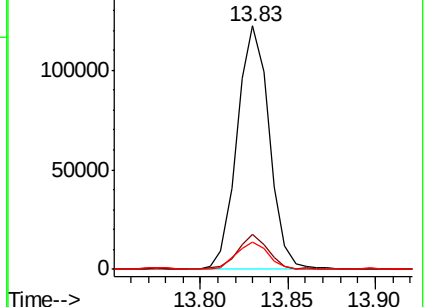
129 11.4 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 5.278 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VX013293.D

Acq: 31 Oct 2019 16:42

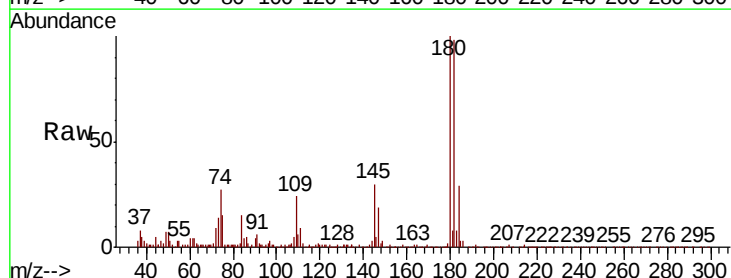
Tgt Ion:180 Resp: 53200

Ion Ratio Lower Upper

180 100

182 95.4 48.0 144.2

145 31.0 15.4 46.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

