

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX112219\
 Data File : VX013520.D
 Acq On : 22 Nov 2019 09:27
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 22 14:00:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	677180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1012494	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	897589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	457947	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	379095	47.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.50%	
35) Dibromofluoromethane	5.48	113	316231	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
50) Toluene-d8	8.71	98	1203605	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
62) 4-Bromofluorobenzene	11.13	95	438183	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.19	85	322335	41.312	ug/l 99
3) Chloromethane	1.31	50	345762	40.864	ug/l 99
4) Vinyl Chloride	1.40	62	426950	44.322	ug/l 99
5) Bromomethane	1.62	94	267805	39.894	ug/l 99
6) Chloroethane	1.70	64	238500	43.149	ug/l 96
7) Trichlorofluoromethane	1.92	101	488866	42.956	ug/l 98
8) Diethyl Ether	2.18	74	227204	45.146	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	309042	48.720	ug/l 98
10) Methyl Iodide	2.50	142	330882	42.132	ug/l 98
11) Tert butyl alcohol	3.03	59	422806	199.954	ug/l 99
12) 1,1-Dichloroethene	2.36	96	294136	47.352	ug/l 99
13) Acrolein	2.28	56	241346	210.597	ug/l 96
14) Allyl chloride	2.72	41	539547	47.805	ug/l 96
15) Acrylonitrile	3.13	53	967661	244.988	ug/l 98
16) Acetone	2.43	43	925475	231.279	ug/l 100
17) Carbon Disulfide	2.56	76	680888	40.954	ug/l 100
18) Methyl Acetate	2.76	43	551181	49.892	ug/l 100
19) Methyl tert-butyl Ether	3.18	73	1048669	50.617	ug/l 99
20) Methylene Chloride	2.84	84	342862	46.374	ug/l 97
21) trans-1,2-Dichloroethene	3.15	96	310365	45.889	ug/l 96
22) Diisopropyl ether	3.84	45	1109059	50.899	ug/l 94
23) Vinyl Acetate	3.80	43	4564787	244.823	ug/l 99
24) 1,1-Dichloroethane	3.68	63	593752	48.711	ug/l 98
25) 2-Butanone	4.65	43	1408360	239.911	ug/l 99
26) 2,2-Dichloropropane	4.57	77	496727	51.226	ug/l 98
27) cis-1,2-Dichloroethene	4.58	96	383052	50.559	ug/l 99
28) Bromochloromethane	5.00	49	173273	50.066	ug/l 99
29) Tetrahydrofuran	5.11	42	857848	237.135	ug/l 100
30) Chloroform	5.20	83	592069	49.191	ug/l 97
31) Cyclohexane	5.56	56	512913	46.764	ug/l 97
32) 1,1,1-Trichloroethane	5.48	97	493036	47.598	ug/l 100
36) 1,1-Dichloropropene	5.79	75	432712	49.817	ug/l 99
37) Ethyl Acetate	4.81	43	504108	46.968	ug/l 99
38) Carbon Tetrachloride	5.77	117	423361	49.844	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	530071	48.977	ug/l	98
40) Benzene	6.13	78	1330548	49.177	ug/l	98
41) Methacrylonitrile	5.02	41	299743	49.826	ug/l	98
42) 1,2-Dichloroethane	6.18	62	476108	48.784	ug/l	98
43) Isopropyl Acetate	6.43	43	850912	50.913	ug/l	99
44) Trichloroethene	7.20	130	366535	49.215	ug/l	98
45) 1,2-Dichloropropane	7.50	63	352371	51.114	ug/l	98
46) Dibromomethane	7.65	93	229486	48.755	ug/l	98
47) Bromodichloromethane	7.89	83	464968	52.385	ug/l	94
48) Methyl methacrylate	7.76	41	421881	50.568	ug/l	98
49) 1,4-Dioxane	7.73	88	160905	842.175	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	2713657	247.479	ug/l	99
52) Toluene	8.78	92	847315	50.527	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	518713	53.444	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	573241	52.799	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	358627	51.595	ug/l	99
56) Ethyl methacrylate	9.17	69	580600	48.962	ug/l	97
57) 1,3-Dichloropropane	9.36	76	598422	50.717	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	1183597	249.043	ug/l	100
59) 2-Hexanone	9.48	43	2100664	247.905	ug/l	99
60) Dibromochloromethane	9.57	129	378703	53.273	ug/l	100
61) 1,2-Dibromoethane	9.67	107	366967	49.719	ug/l	98
64) Tetrachloroethene	9.33	164	317679	49.440	ug/l	97
65) Chlorobenzene	10.13	112	921902	50.732	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	350072	52.466	ug/l	100
67) Ethyl Benzene	10.25	91	1620290	51.662	ug/l	100
68) m/p-Xylenes	10.36	106	1239134	104.469	ug/l	100
69) o-Xylene	10.70	106	605254	52.121	ug/l	99
70) Styrene	10.71	104	1057782	54.492	ug/l	98
71) Bromoform	10.85	173	298932	48.427	ug/l	99
73) Isopropylbenzene	11.01	105	1626453	53.568	ug/l	100
74) N-amyl acetate	10.89	43	762217	54.135	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	576749	52.069	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	654622	70.378	ug/l	79
77) Bromobenzene	11.25	156	424479	52.442	ug/l	99
78) n-propylbenzene	11.35	91	1860420	55.006	ug/l	99
79) 2-Chlorotoluene	11.42	91	1081385	53.067	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1359512	53.756	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	194219	53.746	ug/l	97
82) 4-Chlorotoluene	11.51	91	1246725	52.265	ug/l	99
83) tert-Butylbenzene	11.76	119	1405930	55.225	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1378645	54.342	ug/l	99
85) sec-Butylbenzene	11.94	105	1613802	55.155	ug/l	100
86) p-Isopropyltoluene	12.06	119	1487797	55.221	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	753605	52.232	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	758476	51.597	ug/l	99
89) n-Butylbenzene	12.39	91	1302937	55.422	ug/l	99
90) Hexachloroethane	12.59	117	265040	55.212	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	765012	53.043	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	124091	45.983	ug/l	97

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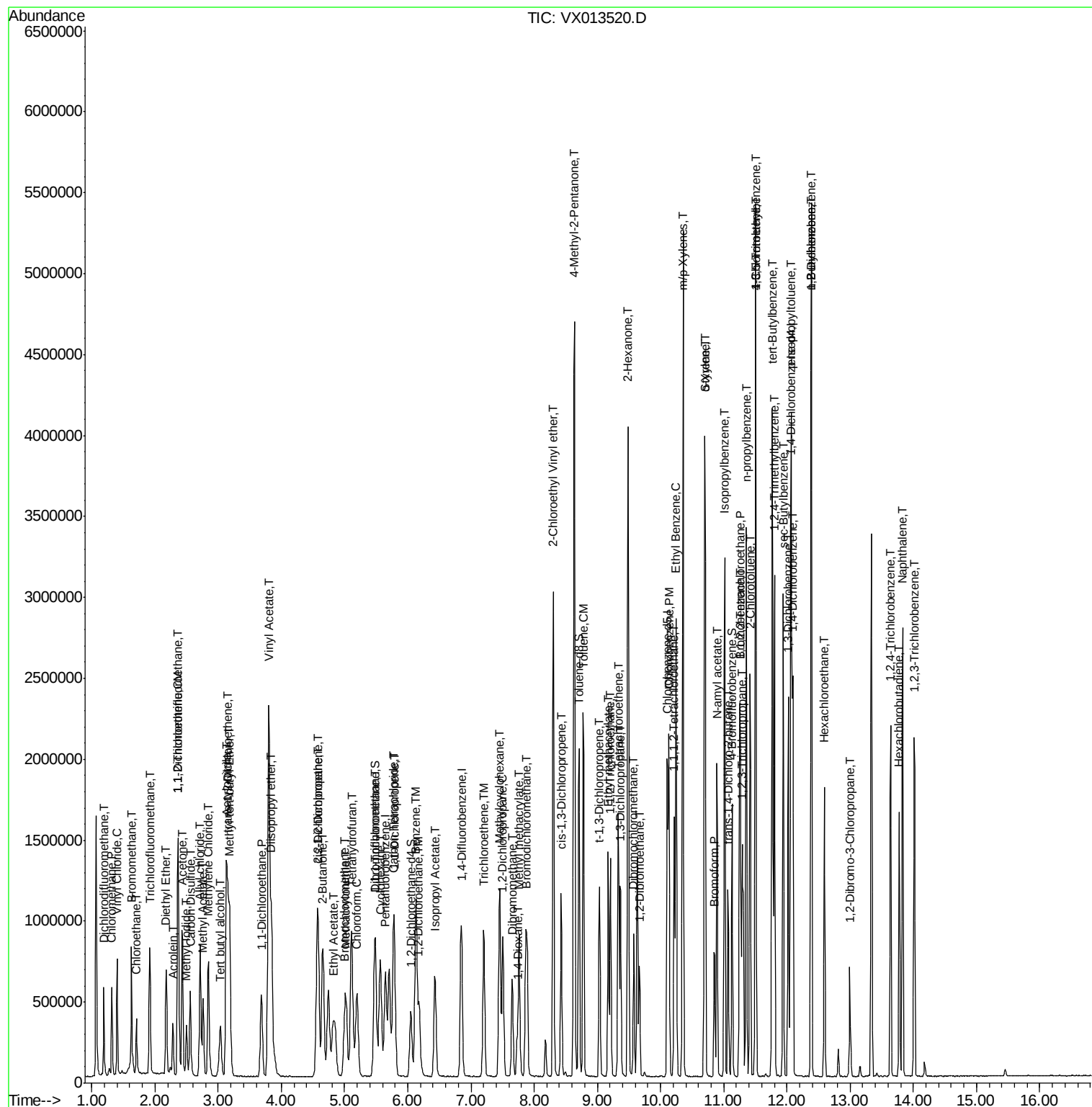
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	540418	53.718	ug/l	99
94) Hexachlorobutadiene	13.78	225	253046	51.413	ug/l	99
95) Naphthalene	13.83	128	1691871	53.601	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	543749	53.894	ug/l	99

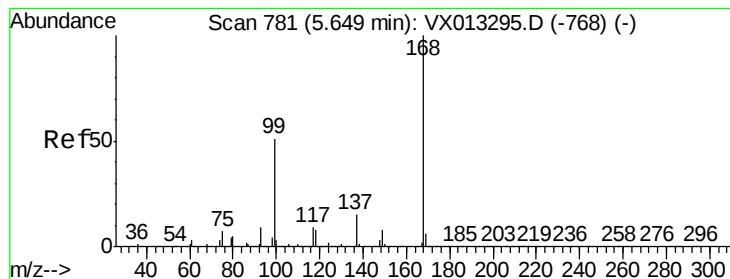
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

Instrument :

MSVOA_X

ClientSampleId :

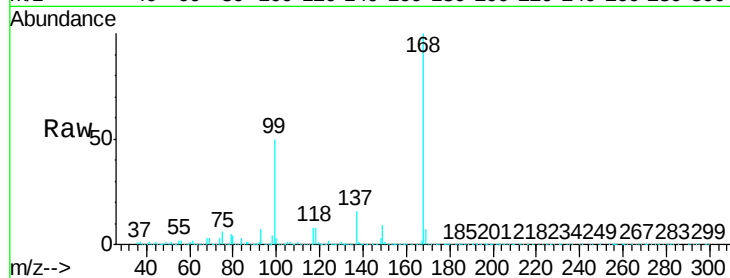
VSTDCCC050

Tgt Ion:168 Resp: 677180

Ion Ratio Lower Upper

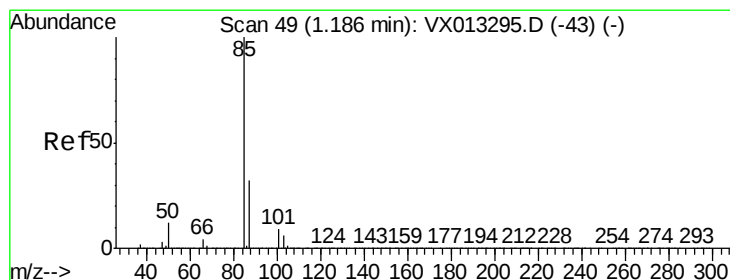
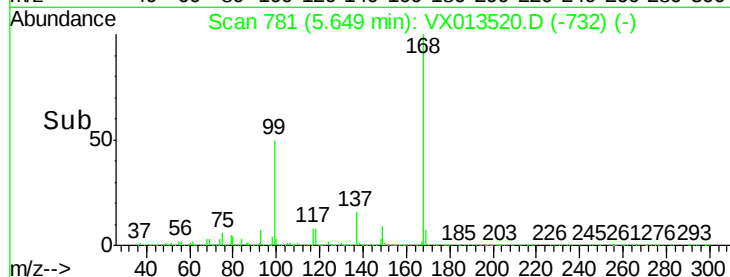
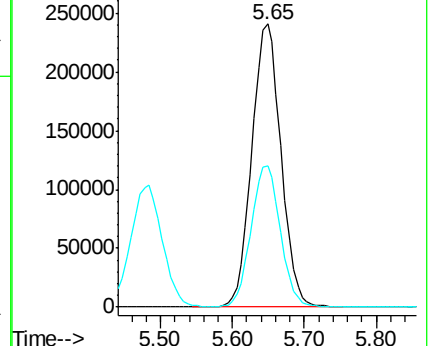
168 100

99 49.6 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 41.312 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX013520.D

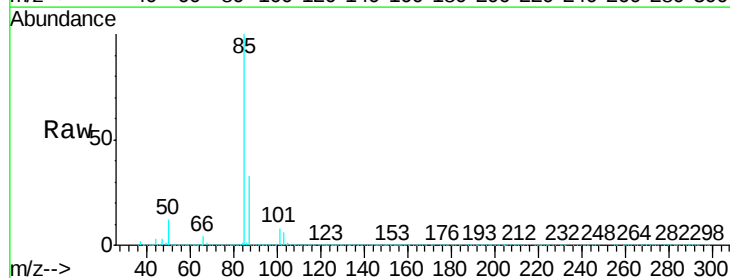
Acq: 22 Nov 2019 09:27

Tgt Ion: 85 Resp: 322335

Ion Ratio Lower Upper

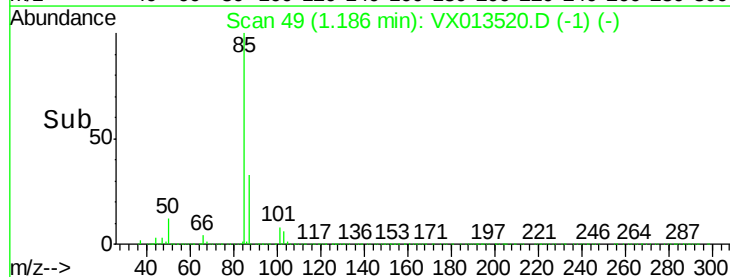
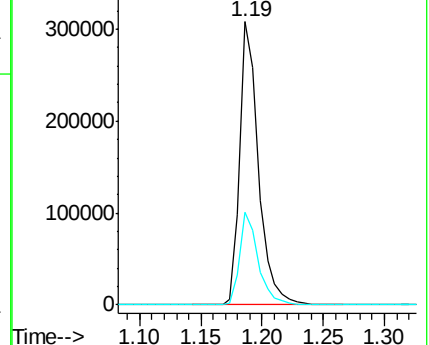
85 100

87 32.5 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 40.864 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

Instrument :

MSVOA_X

ClientSampleId :

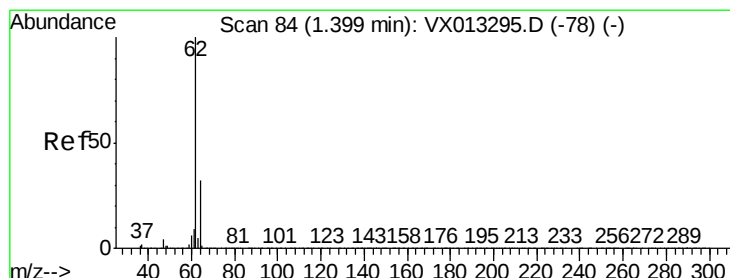
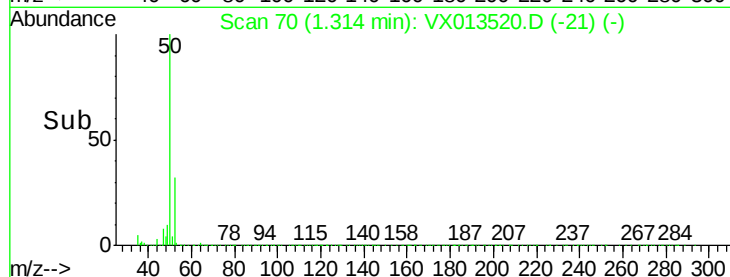
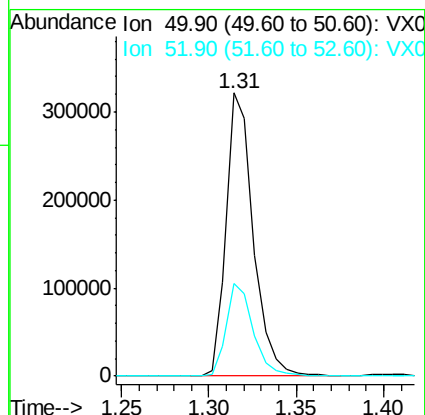
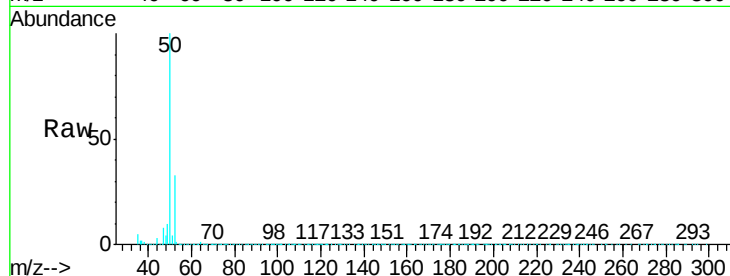
VSTDCCC050

Tgt Ion: 50 Resp: 345762

Ion Ratio Lower Upper

50 100

52 32.4 25.5 38.3



#4

Vinyl Chloride

Concen: 44.322 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013520.D

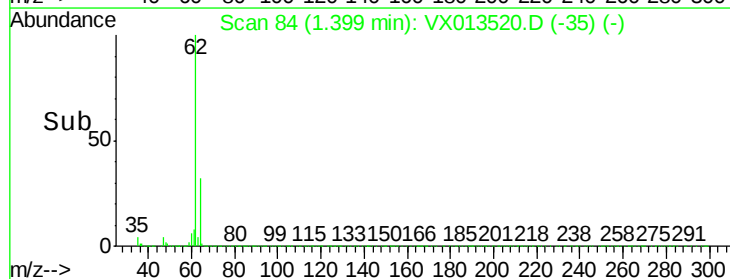
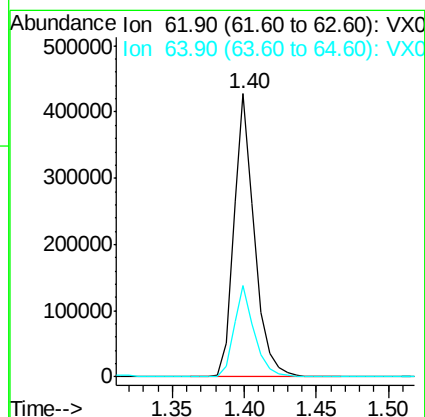
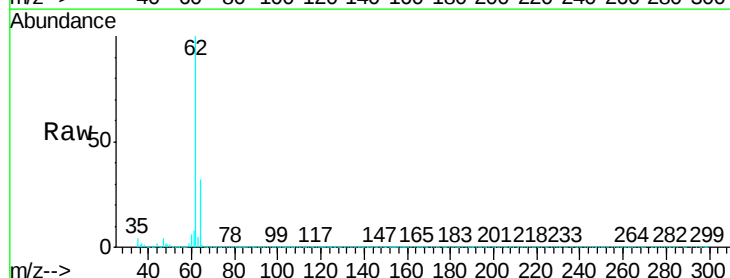
Acq: 22 Nov 2019 09:27

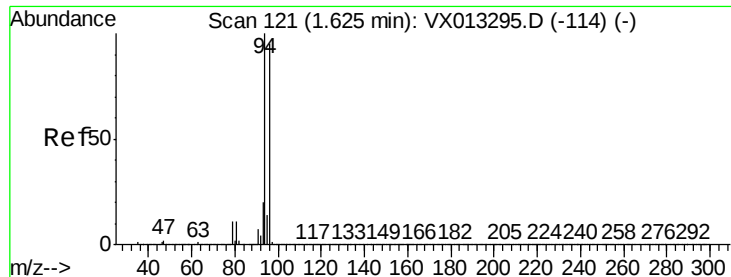
Tgt Ion: 62 Resp: 426950

Ion Ratio Lower Upper

62 100

64 32.3 25.6 38.4





#5

Bromomethane

Concen: 39.894 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

Instrument :

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ClientSampleId :

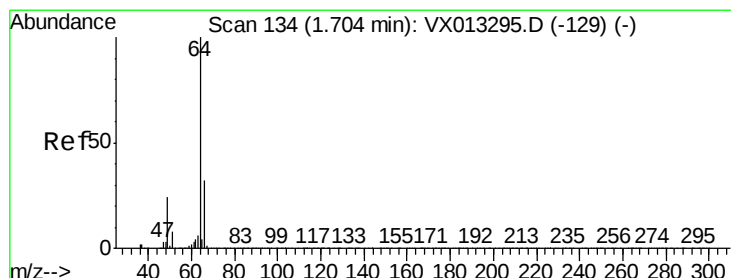
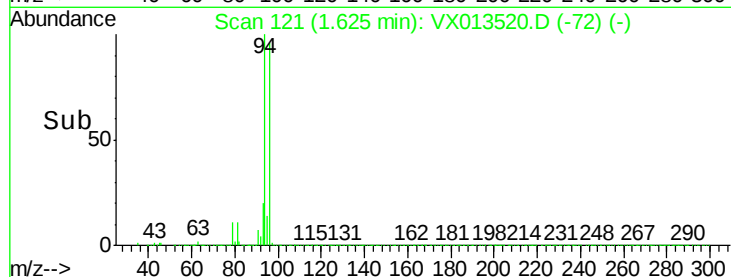
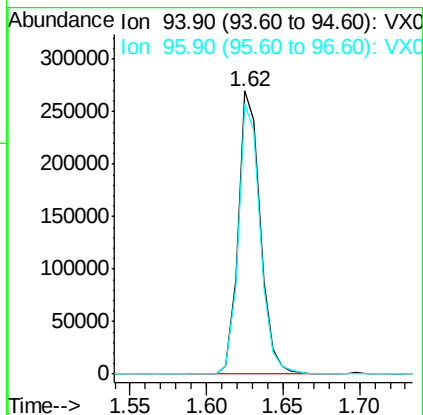
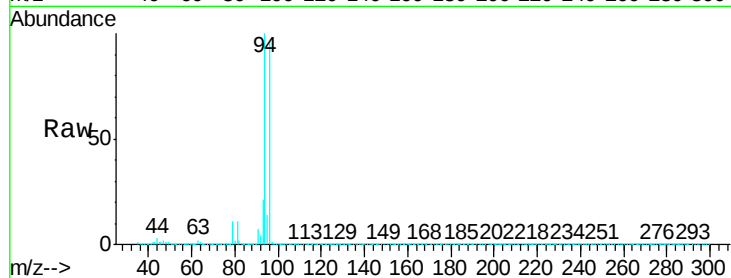
VSTDCCC050

Tgt Ion: 94 Resp: 267805

Ion Ratio Lower Upper

94 100

96 95.5 75.8 113.8



#6

Chloroethane

Concen: 43.149 ug/l

RT: 1.70 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX013520.D

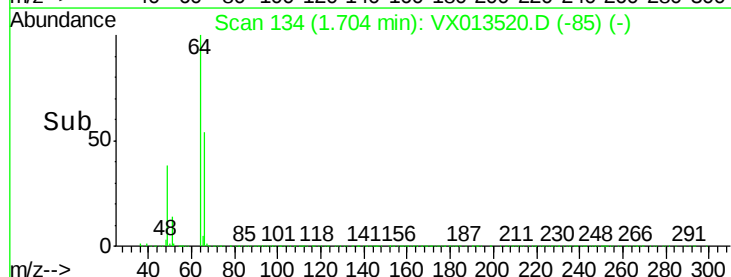
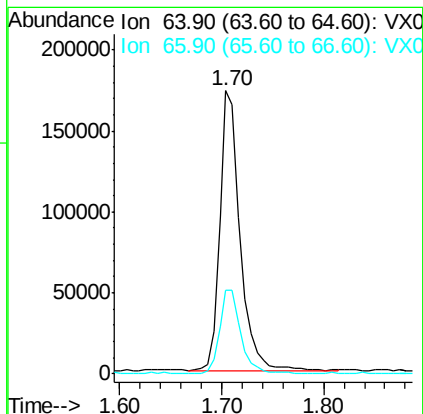
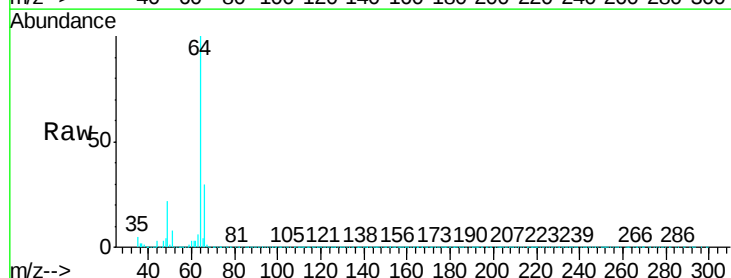
Acq: 22 Nov 2019 09:27

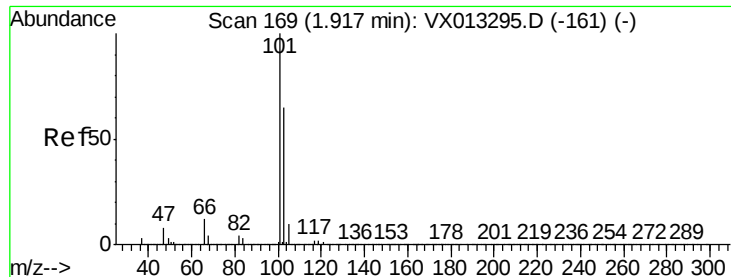
Tgt Ion: 64 Resp: 238500

Ion Ratio Lower Upper

64 100

66 29.8 25.6 38.4



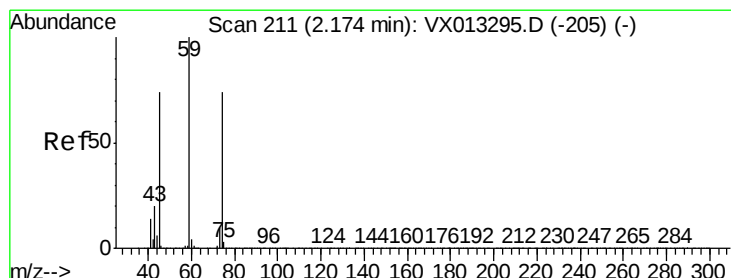
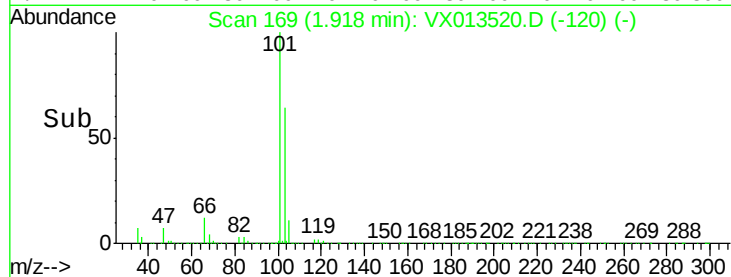
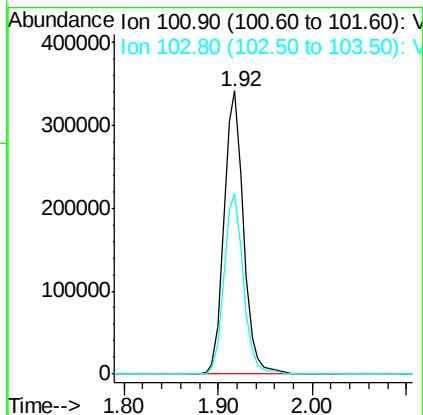
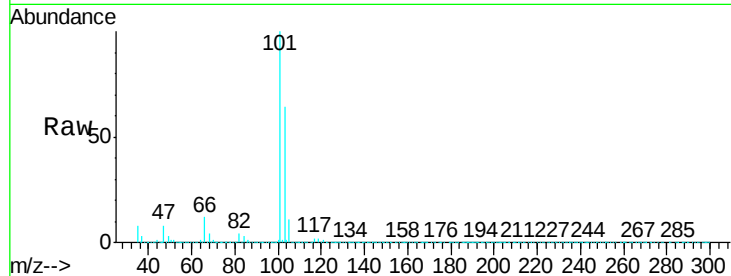


#7

Trichlorofluoromethane
Concen: 42.956 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX013520.D
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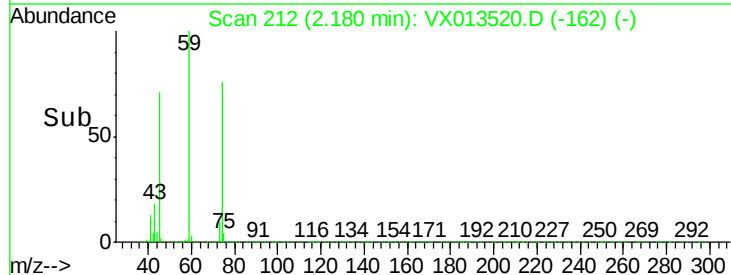
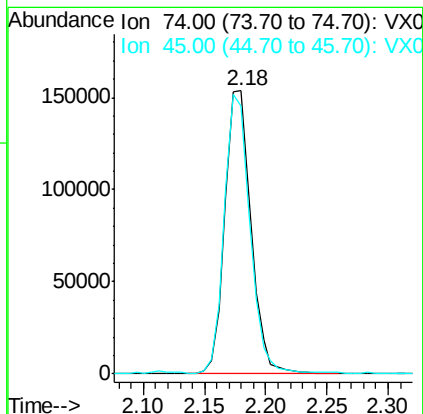
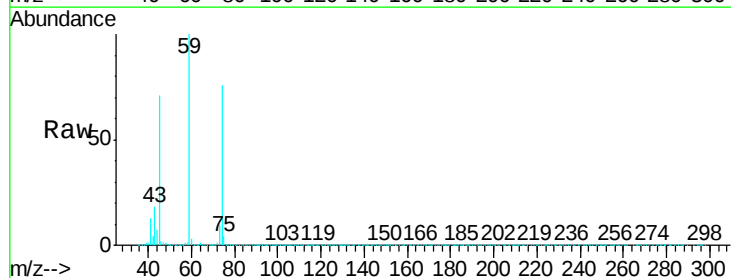
Tgt Ion:101 Resp: 488866
Ion Ratio Lower Upper
101 100
103 63.7 52.3 78.5

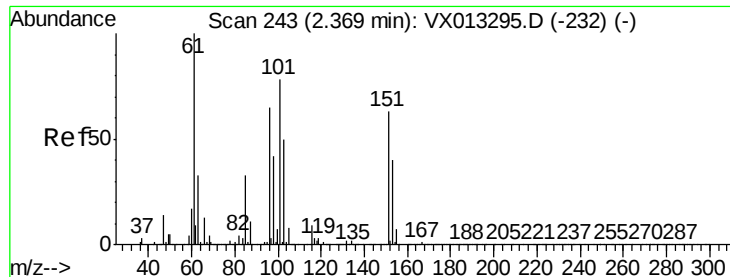


#8

Diethyl Ether
Concen: 45.146 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.01 min
Lab File: VX013520.D
Acq: 22 Nov 2019 09:27

Tgt Ion: 74 Resp: 227204
Ion Ratio Lower Upper
74 100
45 96.8 48.5 145.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.720 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

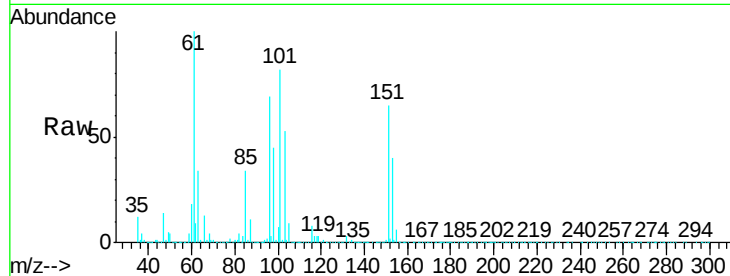
Tgt Ion:101 Resp: 309042

Ion Ratio Lower Upper

101 100

85 41.3 34.4 51.6

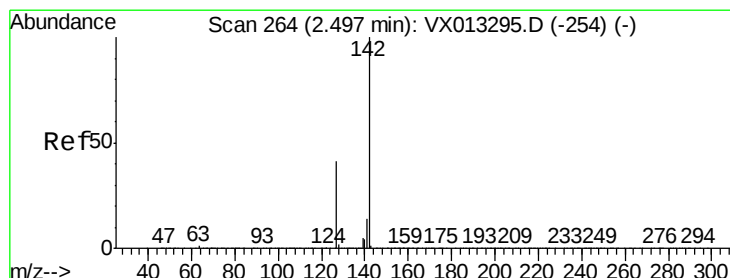
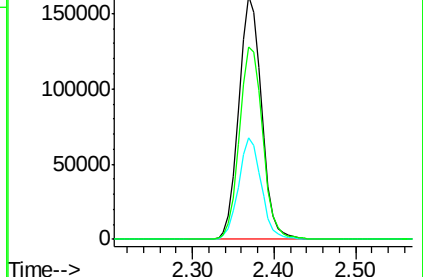
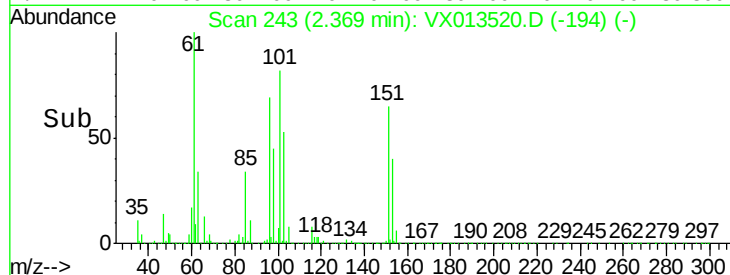
151 81.5 66.4 99.6



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: 42.132 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

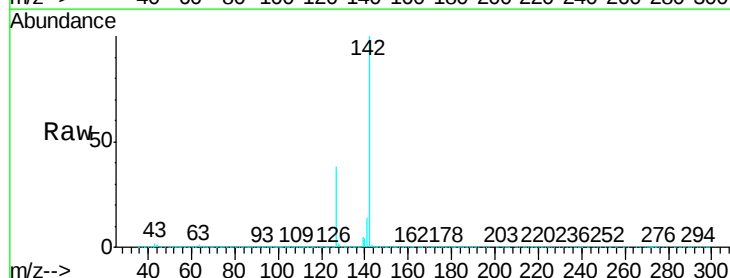
Tgt Ion:142 Resp: 330882

Ion Ratio Lower Upper

142 100

127 39.3 32.6 49.0

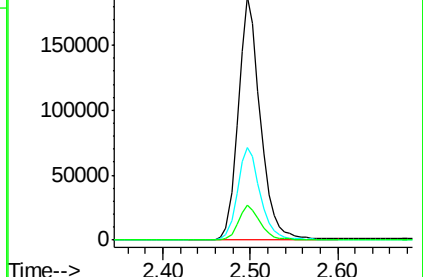
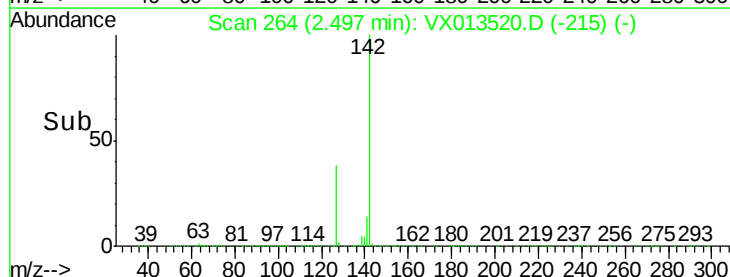
141 14.2 11.6 17.4

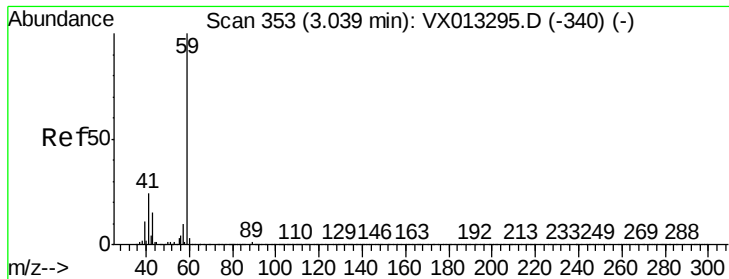


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

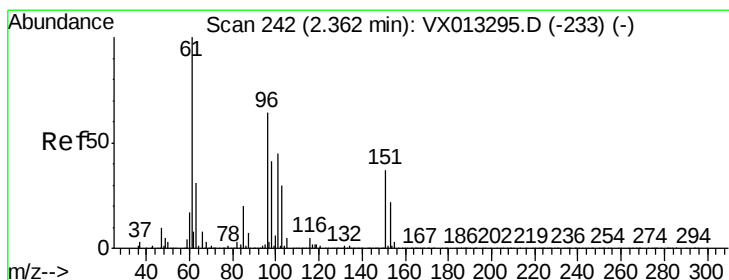
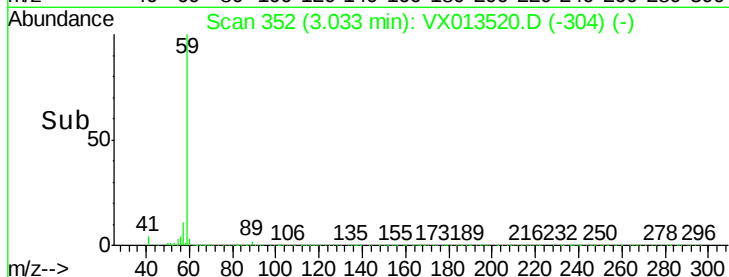
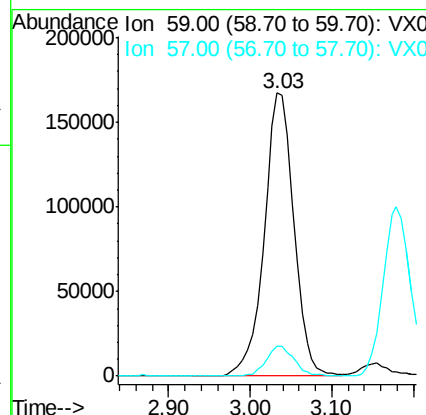
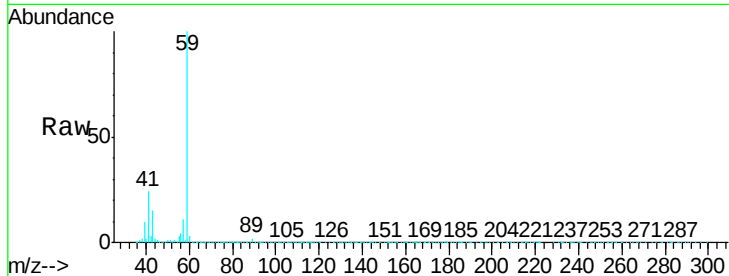




#11
Tert butyl alcohol
Concen: 199.954 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX013520.D
Acq: 22 Nov 2019 09:27

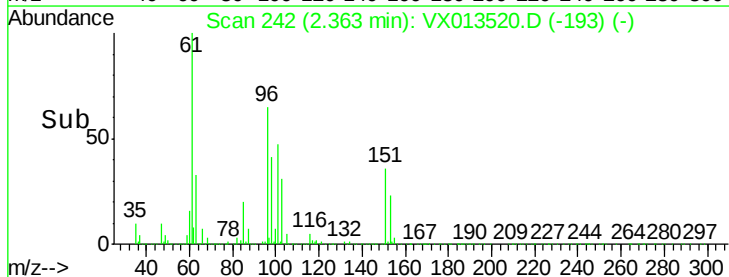
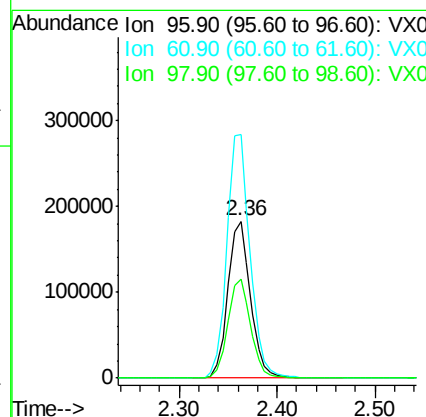
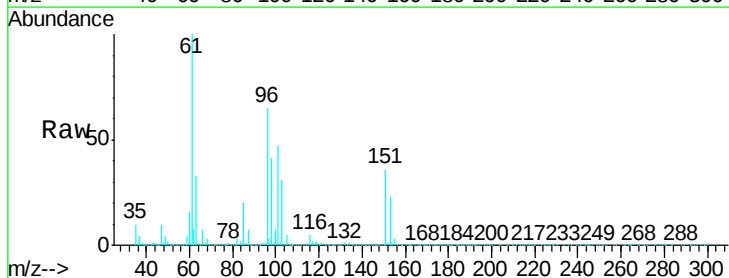
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

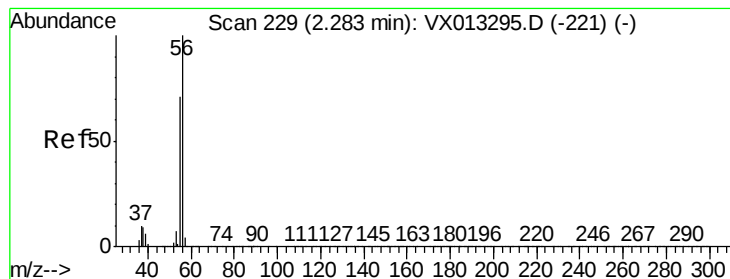
Tgt Ion: 59 Resp: 422806
Ion Ratio Lower Upper
59 100
57 9.8 8.0 12.0



#12
1,1-Dichloroethene
Concen: 47.352 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX013520.D
Acq: 22 Nov 2019 09:27

Tgt Ion: 96 Resp: 294136
Ion Ratio Lower Upper
96 100
61 154.8 125.0 187.6
98 63.1 50.7 76.1





#13

Acrolein

Concen: 210.597 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

Instrument :

MSVOA_X

ClientSampleId :

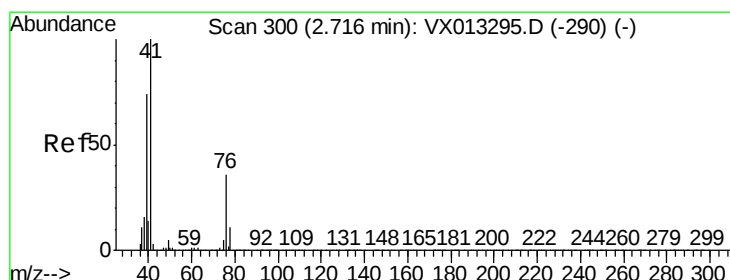
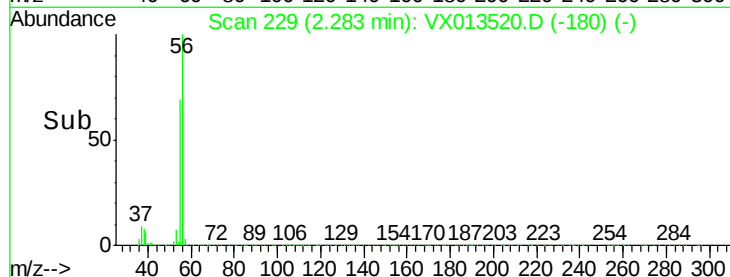
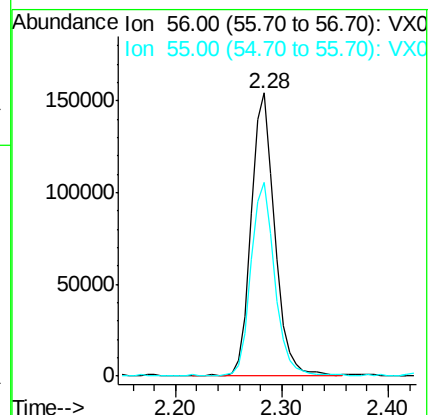
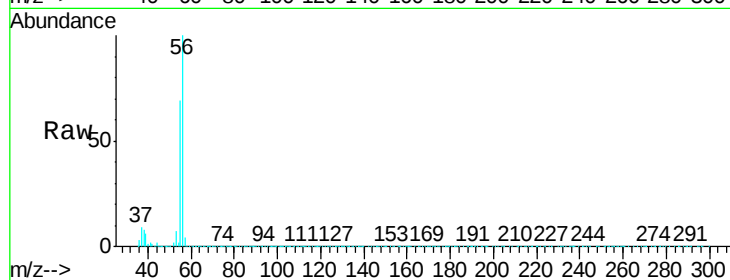
VSTDCCC050

Tgt Ion: 56 Resp: 241346

Ion Ratio Lower Upper

56 100

55 68.1 57.4 86.0



#14

Allyl chloride

Concen: 47.805 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

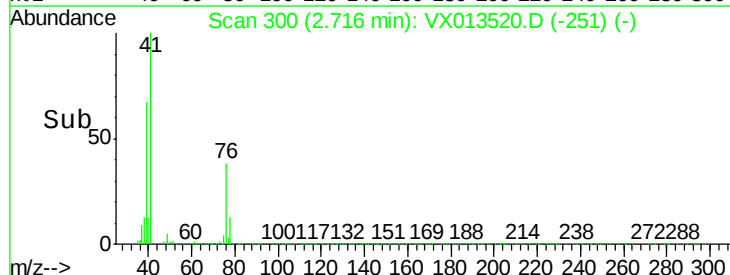
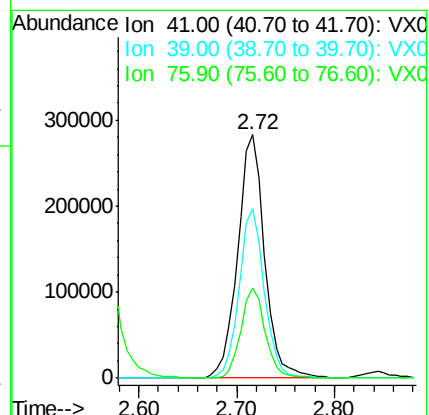
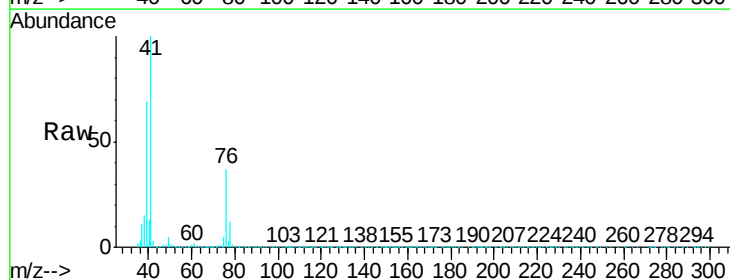
Tgt Ion: 41 Resp: 539547

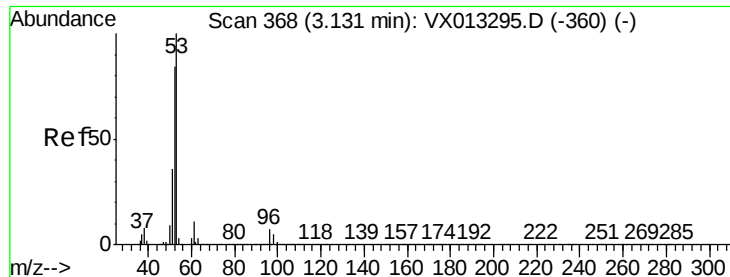
Ion Ratio Lower Upper

41 100

39 65.3 55.8 83.8

76 33.3 26.4 39.6

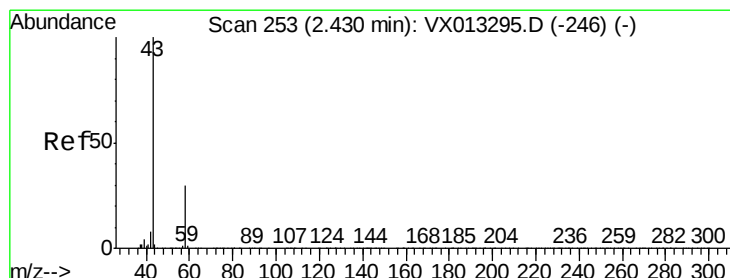
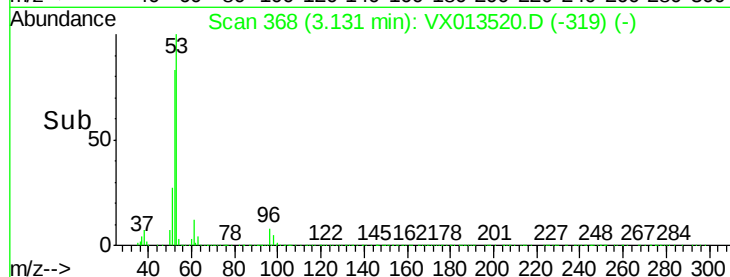
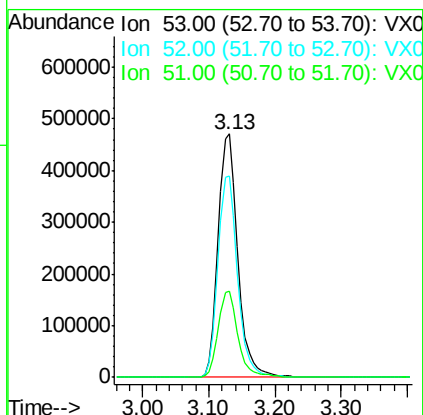
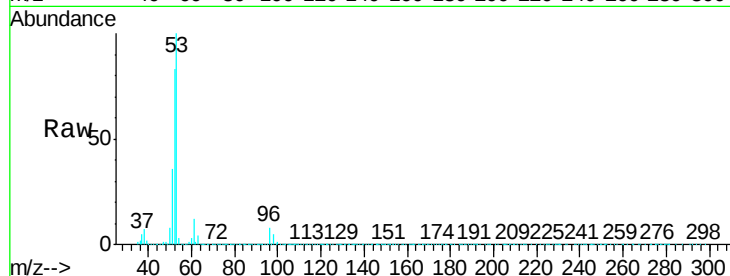




#15
Acrylonitrile
Concen: 244.988 ug/l
RT: 3.13 min Scan# 368
Delta R.T. 0.00 min
Lab File: VX013520.D
Acq: 22 Nov 2019 09:27

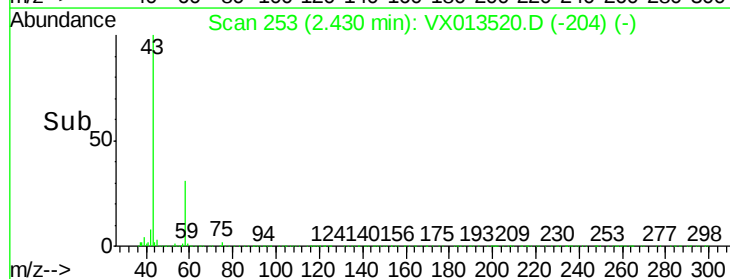
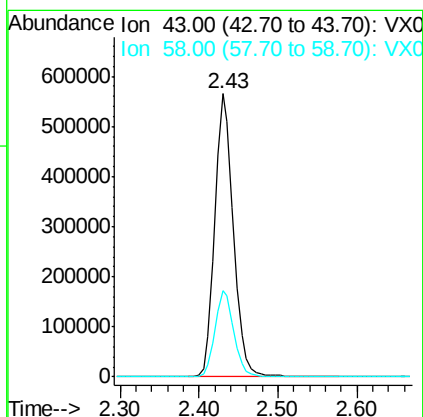
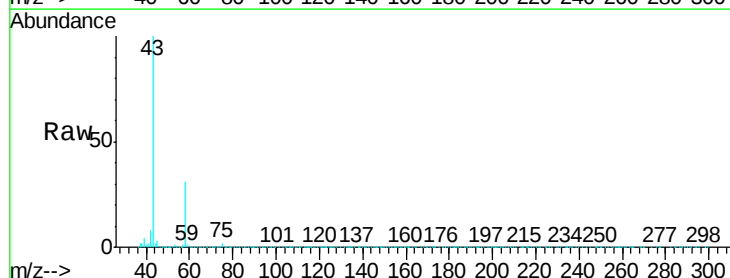
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 967661
Ion Ratio Lower Upper
53 100
52 82.8 67.4 101.0
51 35.6 29.4 44.2



#16
Acetone
Concen: 231.279 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX013520.D
Acq: 22 Nov 2019 09:27

Tgt Ion: 43 Resp: 925475
Ion Ratio Lower Upper
43 100
58 30.6 24.3 36.5





#17

Carbon Disulfide

Concen: 40.954 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

Instrument :

MSVOA_X

ClientSampleId :

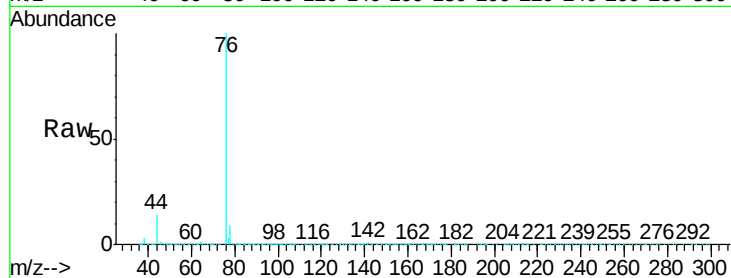
VSTDCCC050

Tgt Ion: 76 Resp: 680888

Ion Ratio Lower Upper

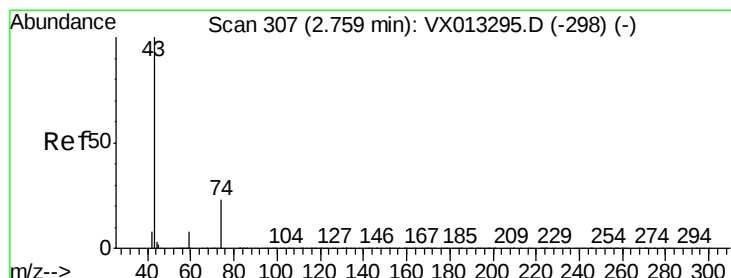
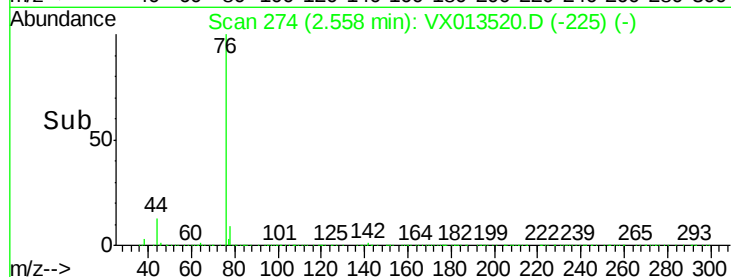
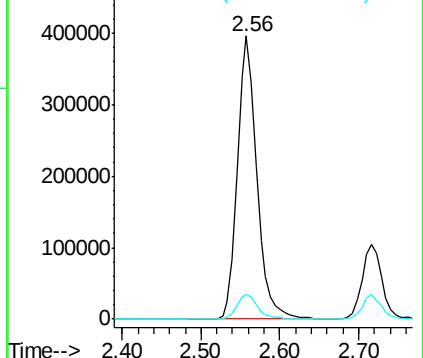
76 100

78 8.8 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: 49.892 ug/l

RT: 2.76 min Scan# 307

Delta R.T. 0.00 min

Lab File: VX013520.D

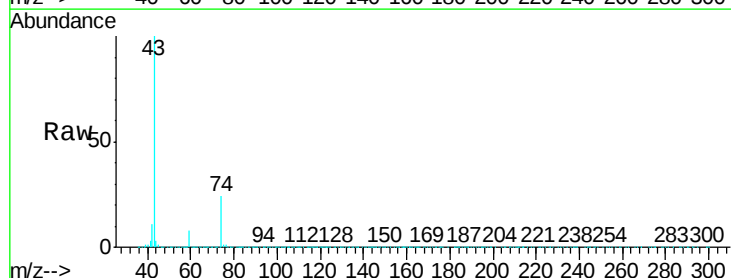
Acq: 22 Nov 2019 09:27

Tgt Ion: 43 Resp: 551181

Ion Ratio Lower Upper

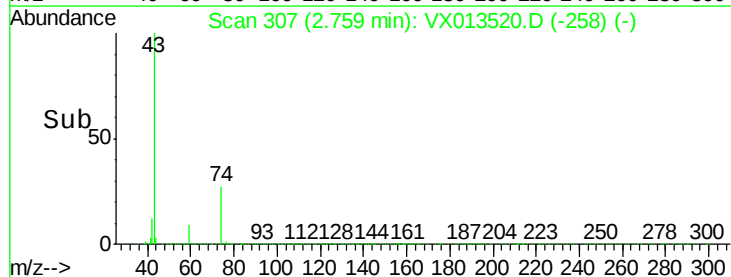
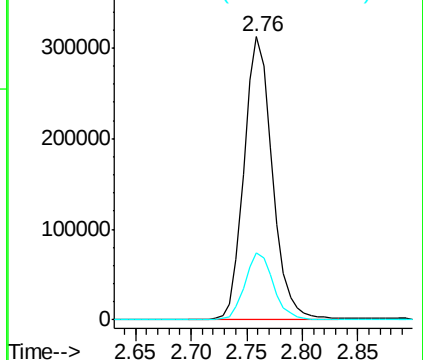
43 100

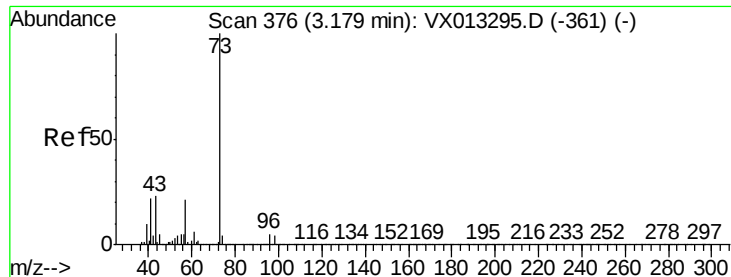
74 24.0 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

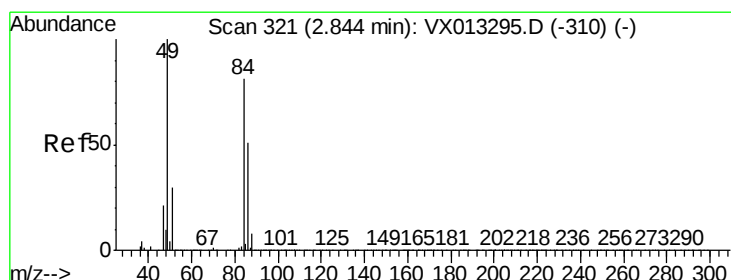
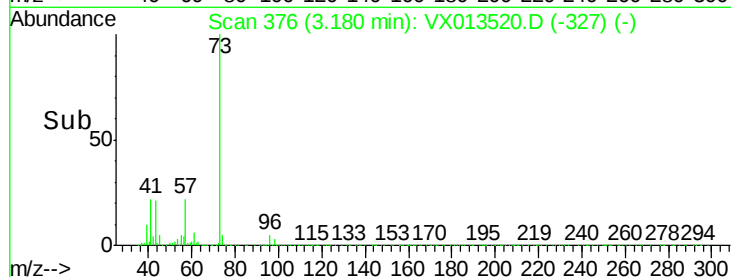
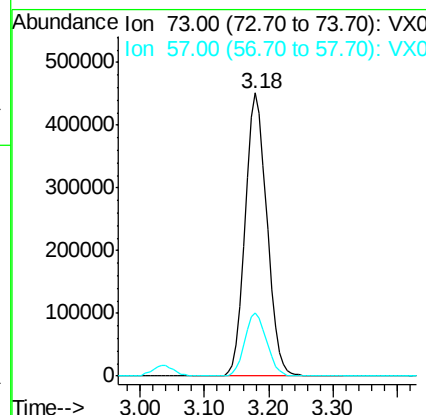
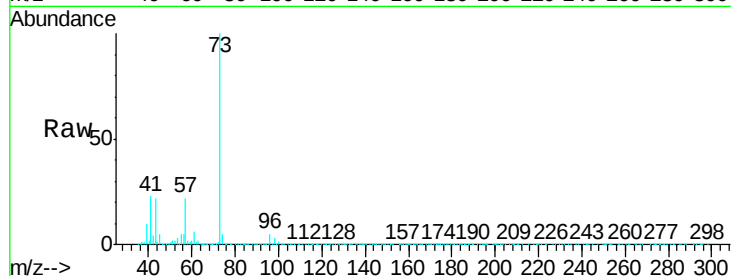




#19
Methyl tert-butyl Ether
Concen: 50.617 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX013520.D
Acq: 22 Nov 2019 09:27

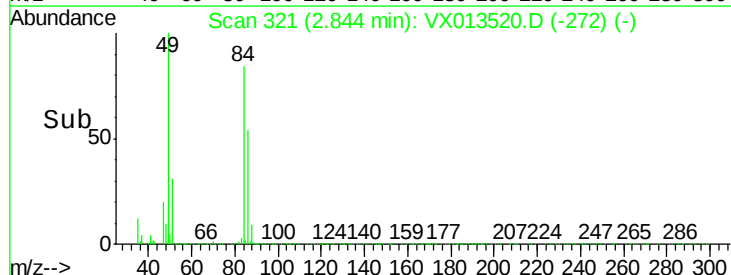
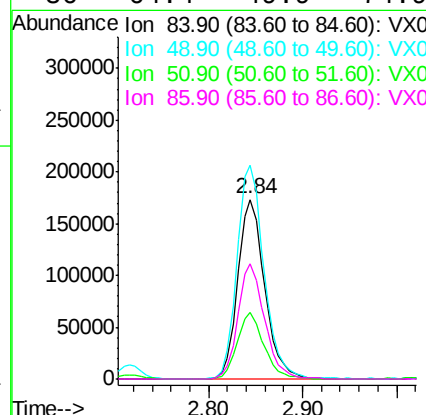
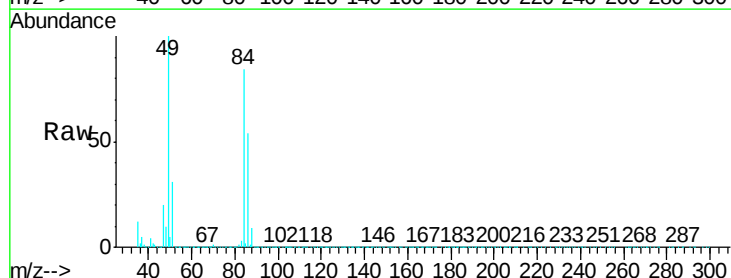
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

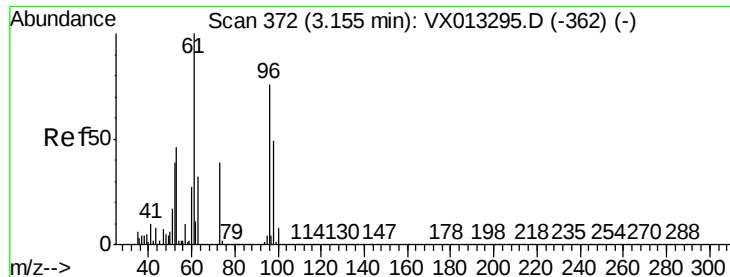
Tgt Ion: 73 Resp: 1048669
Ion Ratio Lower Upper
73 100
57 22.0 17.1 25.7



#20
Methylene Chloride
Concen: 46.374 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013520.D
Acq: 22 Nov 2019 09:27

Tgt Ion: 84 Resp: 342862
Ion Ratio Lower Upper
84 100
49 119.2 98.2 147.4
51 37.2 29.9 44.9
86 64.4 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 45.889 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.01 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

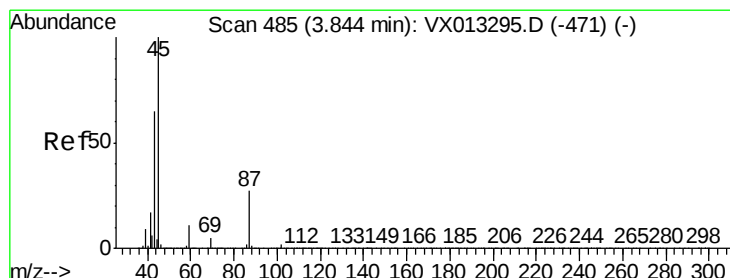
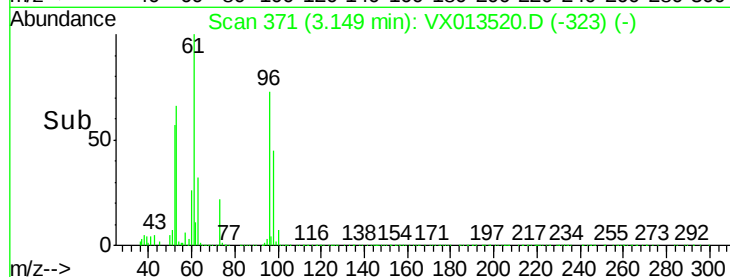
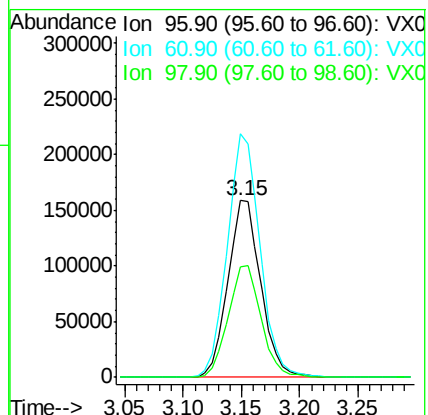
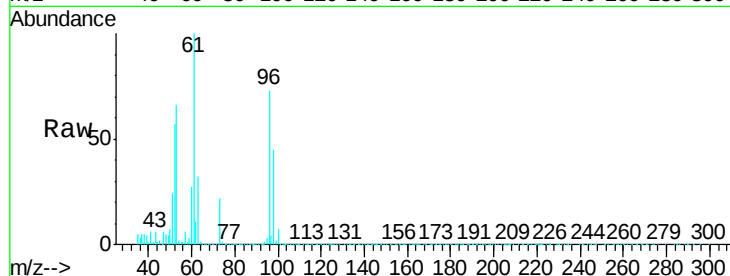
Tgt Ion: 96 Resp: 310365

Ion Ratio Lower Upper

96 100

61 137.8 105.8 158.6

98 62.3 51.8 77.6



#22

Diisopropyl ether

Concen: 50.899 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.01 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

Tgt Ion: 45 Resp: 1109059

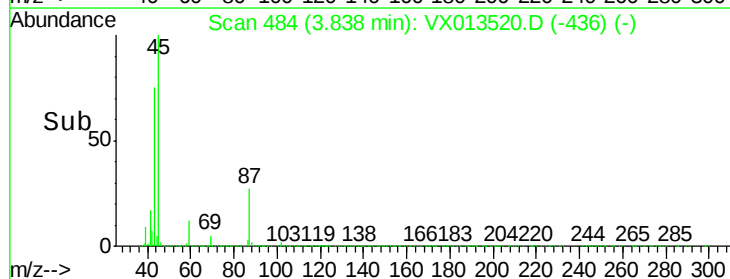
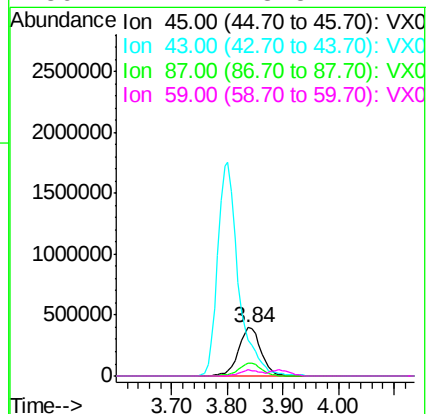
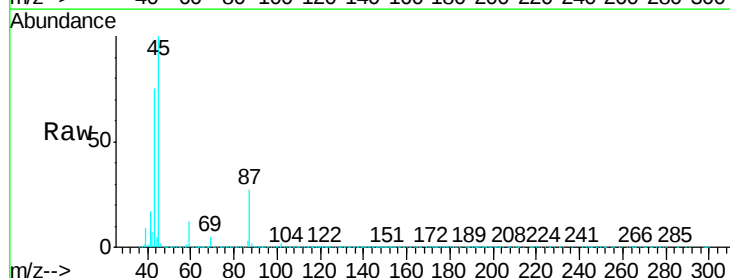
Ion Ratio Lower Upper

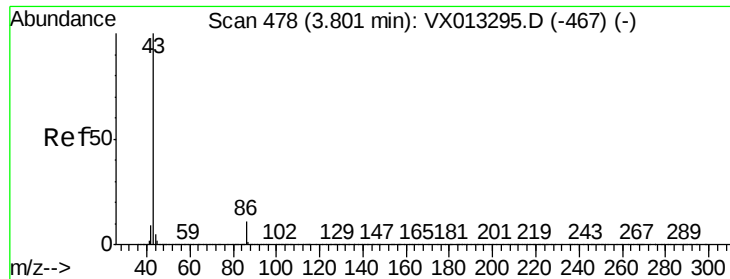
45 100

43 75.1 54.2 81.2

87 27.1 21.8 32.8

59 12.1 8.5 12.7





#23

Vinyl Acetate

Concen: 244.823 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

Instrument :

MSVOA_X

ClientSampleId :

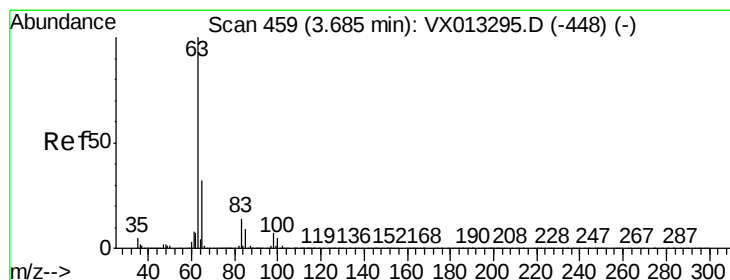
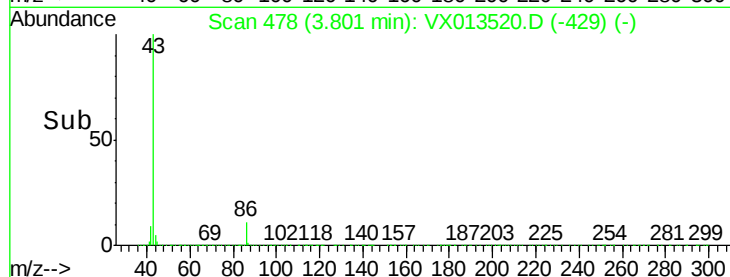
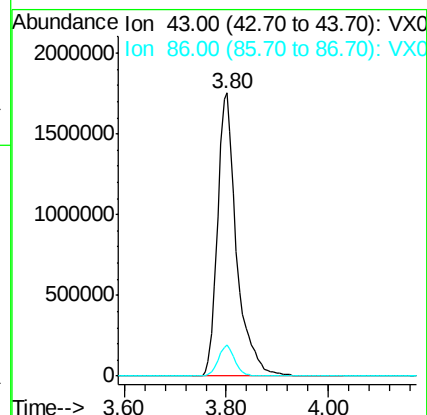
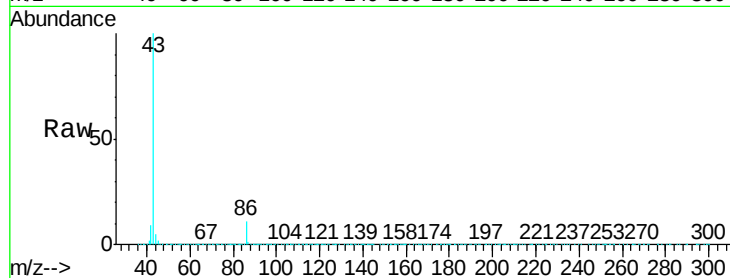
VSTDCCC050

Tgt Ion: 43 Resp: 4564787

Ion Ratio Lower Upper

43 100

86 11.1 8.6 13.0



#24

1,1-Dichloroethane

Concen: 48.711 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

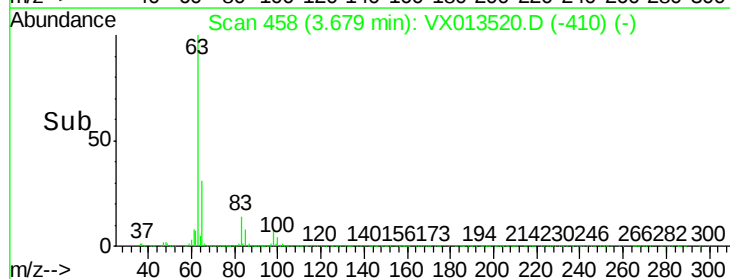
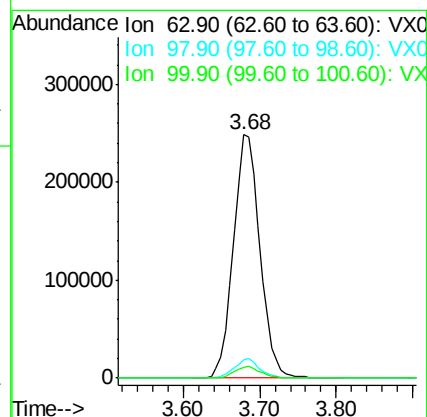
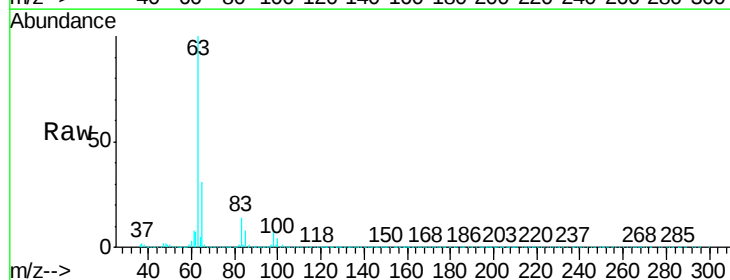
Tgt Ion: 63 Resp: 593752

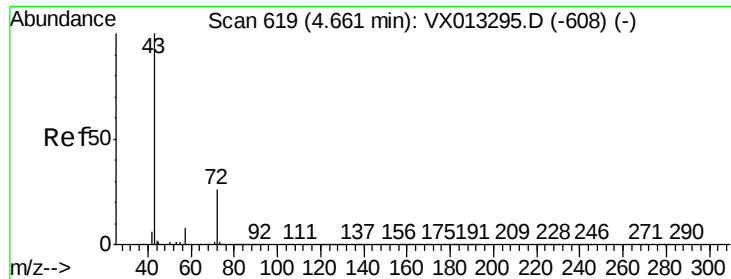
Ion Ratio Lower Upper

63 100

98 7.5 3.5 10.4

100 4.3 2.4 7.2

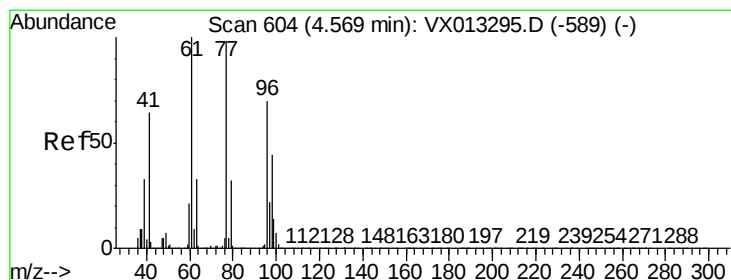
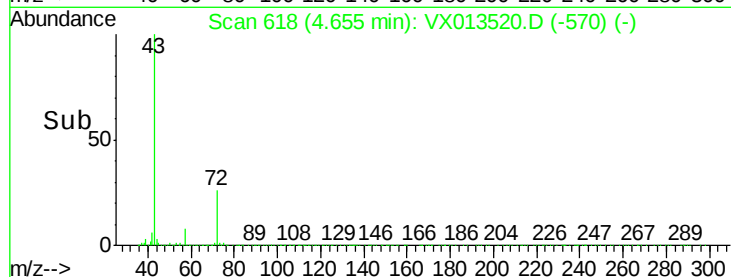
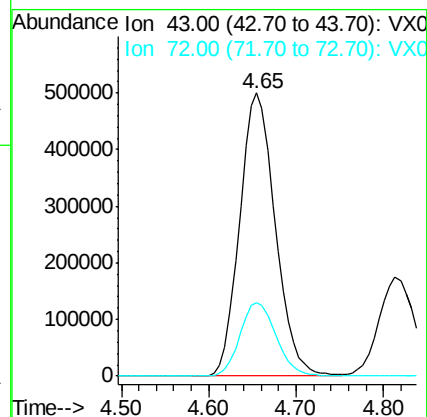
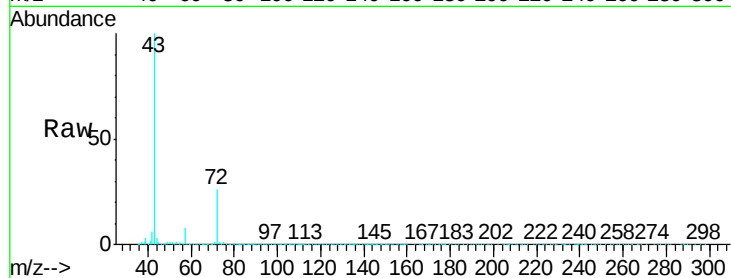




#25
2-Butanone
Concen: 239.911 ug/l
RT: 4.65 min Scan# 618
Delta R.T. -0.01 min
Lab File: VX013520.D
Acq: 22 Nov 2019 09:27

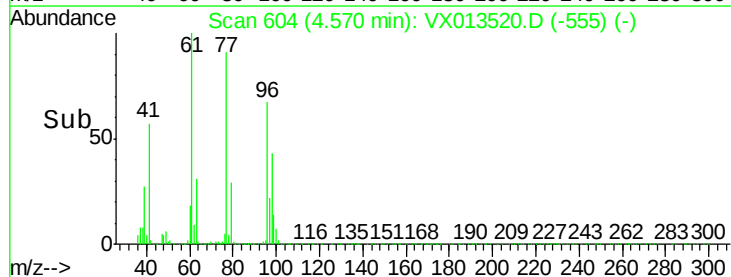
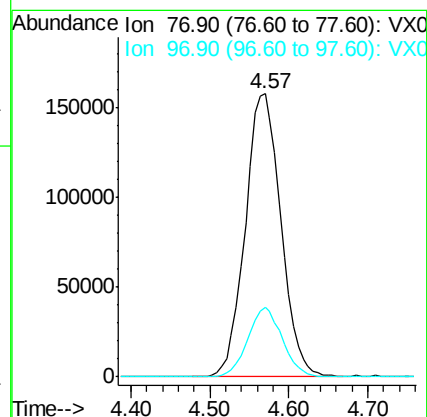
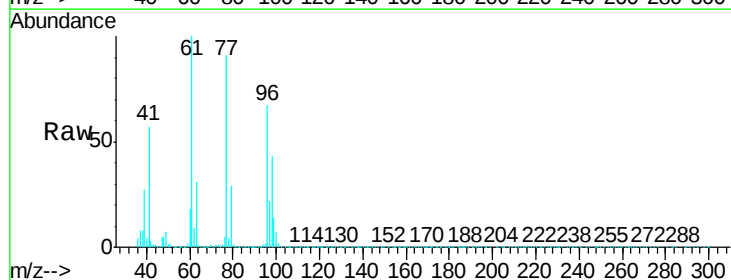
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

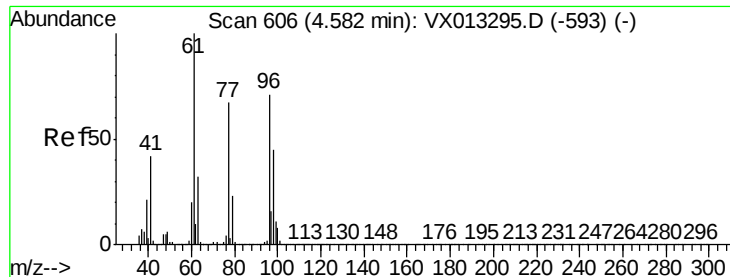
Tgt Ion: 43 Resp: 1408360
Ion Ratio Lower Upper
43 100
72 26.0 21.0 31.6



#26
2,2-Dichloropropane
Concen: 51.226 ug/l
RT: 4.57 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX013520.D
Acq: 22 Nov 2019 09:27

Tgt Ion: 77 Resp: 496727
Ion Ratio Lower Upper
77 100
97 23.5 11.3 33.8



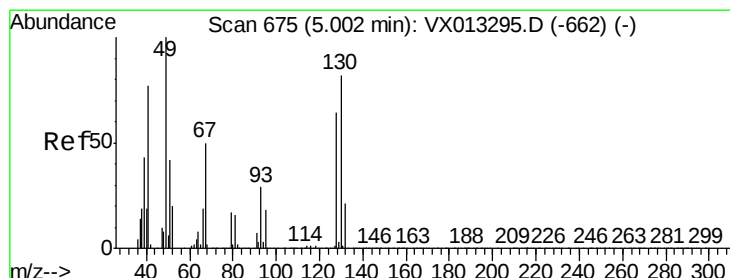
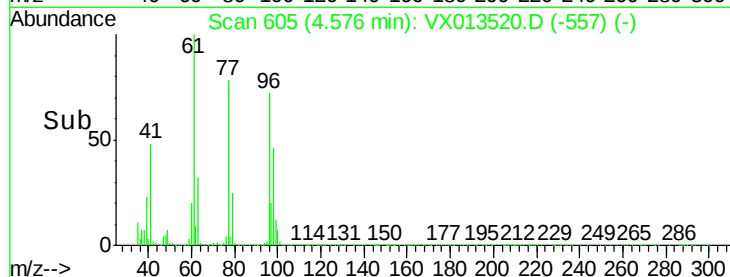
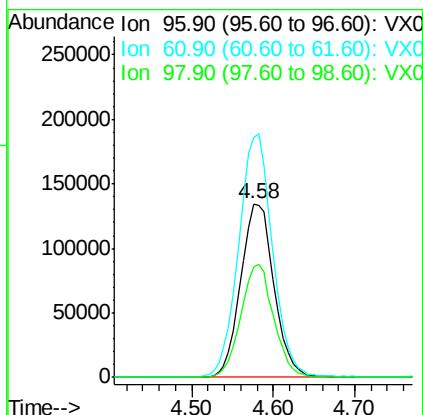
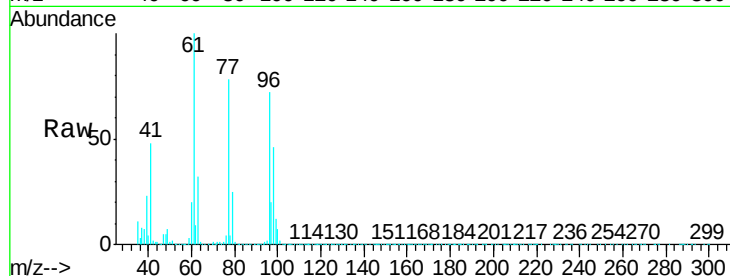


#27

cis-1,2-Dichloroethene
Concen: 50.559 ug/l
RT: 4.58 min Scan# 605
Delta R.T. -0.01 min
Lab File: VX013520.D
Acq: 22 Nov 2019 09:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

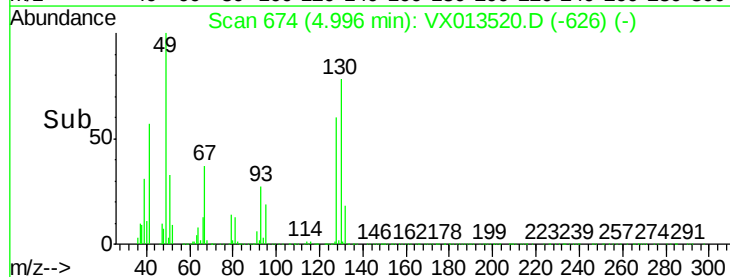
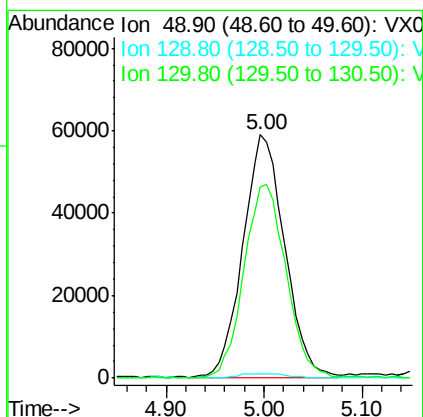
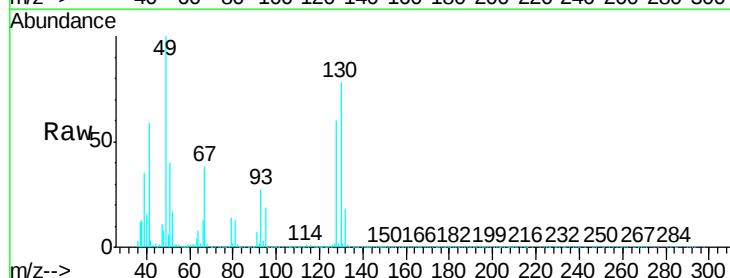
Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.4	0.0	288.0
98	64.1	0.0	129.6

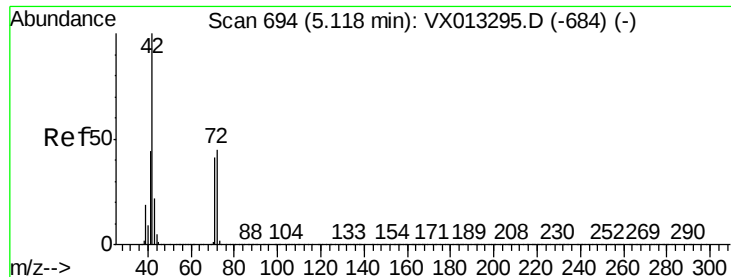


#28

Bromochloromethane
Concen: 50.066 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX013520.D
Acq: 22 Nov 2019 09:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.2
130	81.0	63.8	95.6





#29

Tetrahydrofuran

Concen: 237.135 ug/l

RT: 5.11 min Scan# 693

Delta R.T. -0.01 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

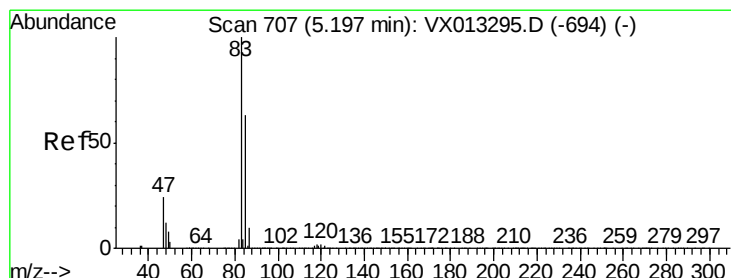
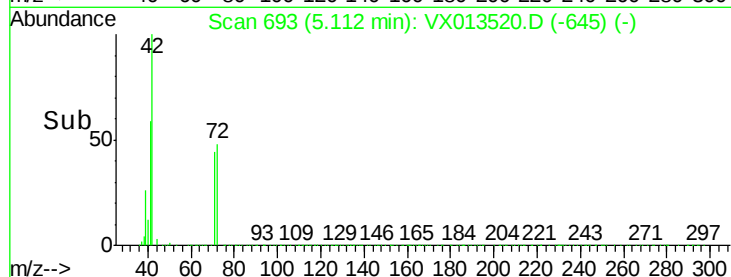
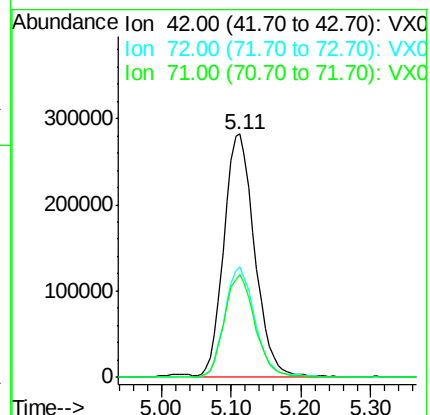
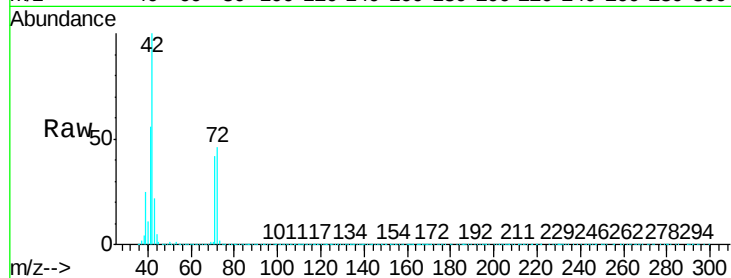
Tgt Ion: 42 Resp: 857848

Ion Ratio Lower Upper

42 100

72 45.0 35.8 53.8

71 42.1 33.4 50.0



#30

Chloroform

Concen: 49.191 ug/l

RT: 5.20 min Scan# 707

Delta R.T. 0.00 min

Lab File: VX013520.D

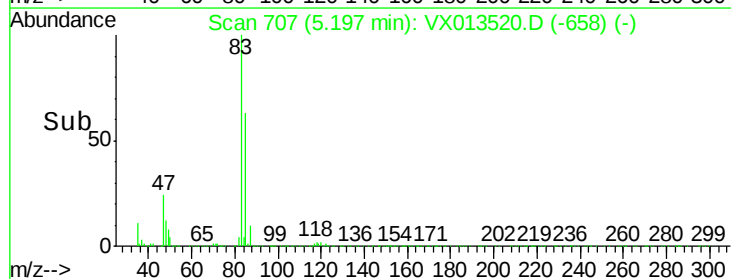
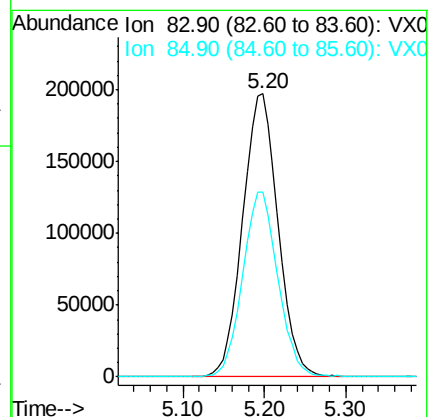
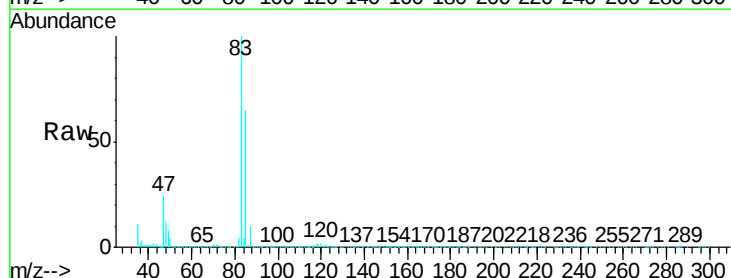
Acq: 22 Nov 2019 09:27

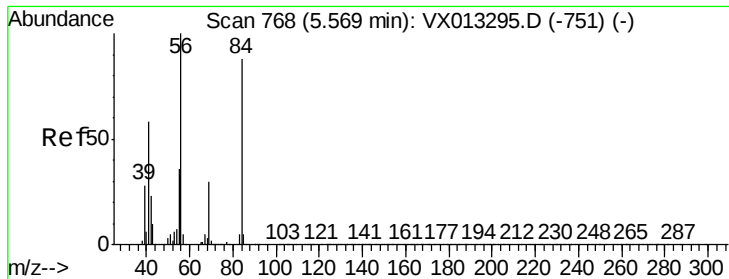
Tgt Ion: 83 Resp: 592069

Ion Ratio Lower Upper

83 100

85 65.1 50.2 75.4

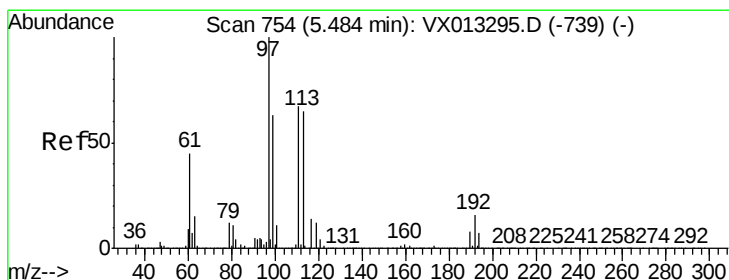
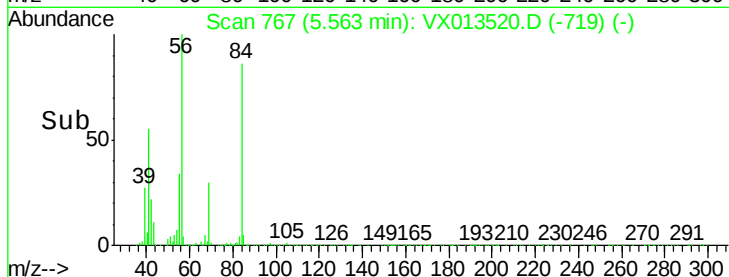
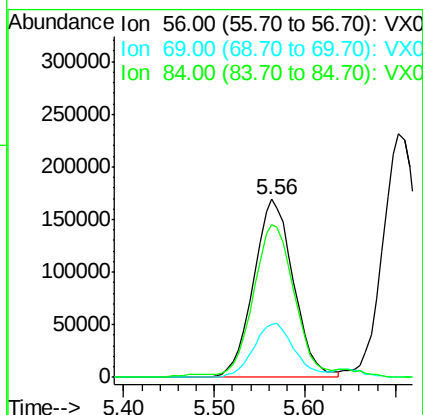
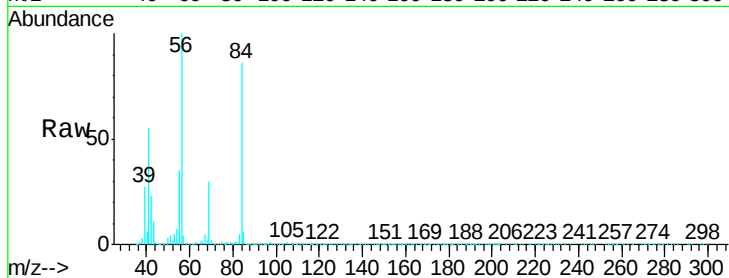




#31
Cyclohexane
Concen: 46.764 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX013520.D
Acq: 22 Nov 2019 09:27

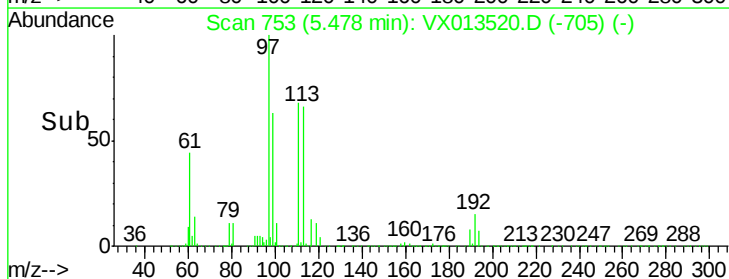
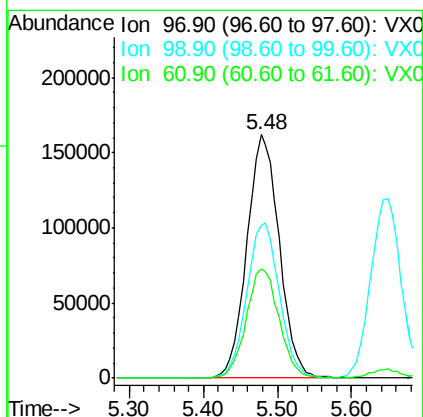
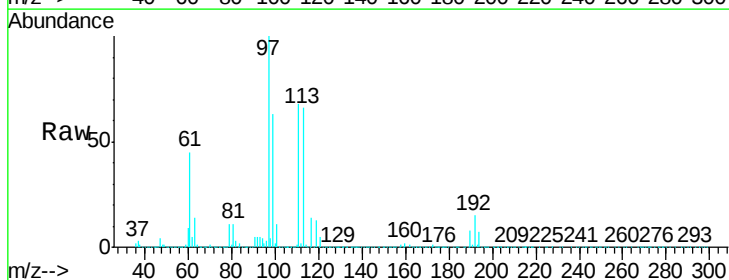
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 512913
Ion Ratio Lower Upper
56 100
69 29.8 23.7 35.5
84 84.7 70.6 105.8



#32
1,1,1-Trichloroethane
Concen: 47.598 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.01 min
Lab File: VX013520.D
Acq: 22 Nov 2019 09:27

Tgt Ion: 97 Resp: 493036
Ion Ratio Lower Upper
97 100
99 64.3 51.1 76.7
61 45.3 36.5 54.7





#33

1,2-Dichloroethane-d4

Concen: 47.254 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.01 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

Instrument :

MSVOA_X

ClientSampleId :

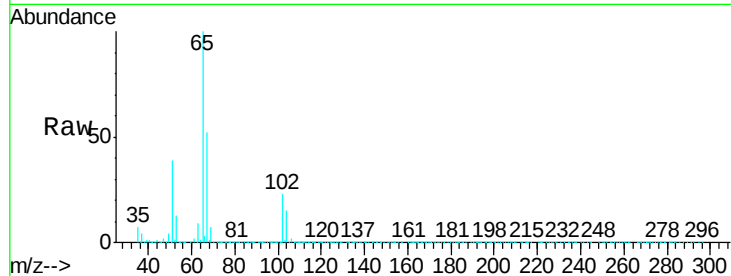
VSTDCCC050

Tgt Ion: 65 Resp: 379095

Ion Ratio Lower Upper

65 100

67 52.6 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.04

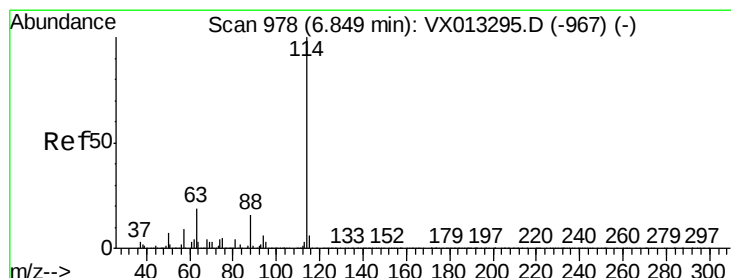
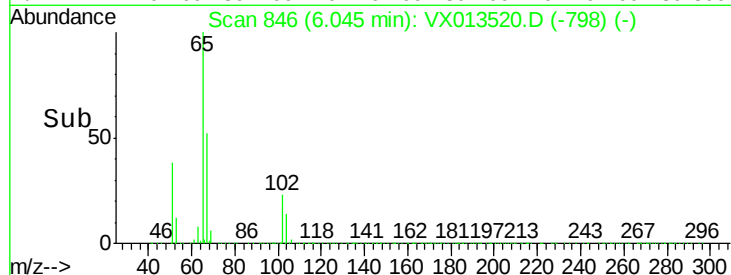
150000

100000

50000

0

Time--> 5.90 6.00 6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

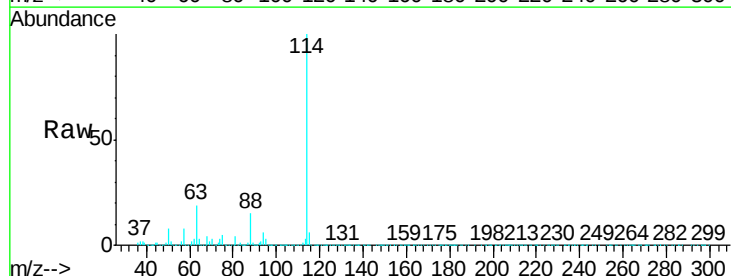
Tgt Ion: 114 Resp: 1012494

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.4

88 14.7 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.85

500000

400000

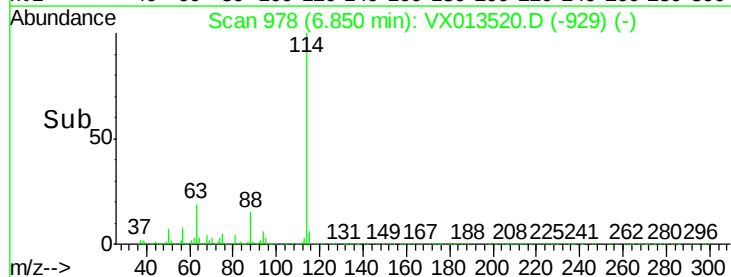
300000

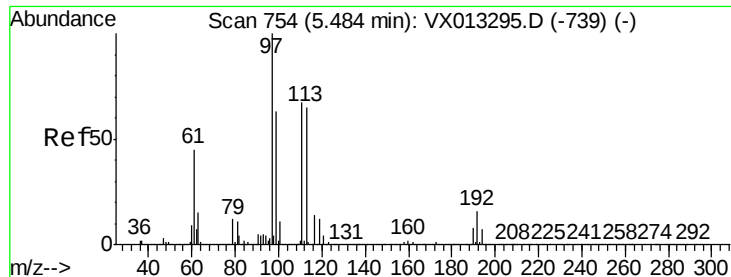
200000

100000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 49.796 ug/l

RT: 5.48 min Scan# 754

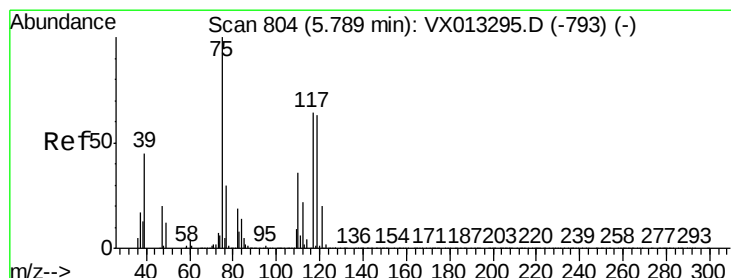
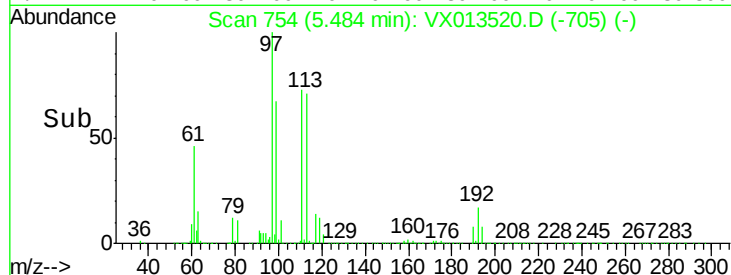
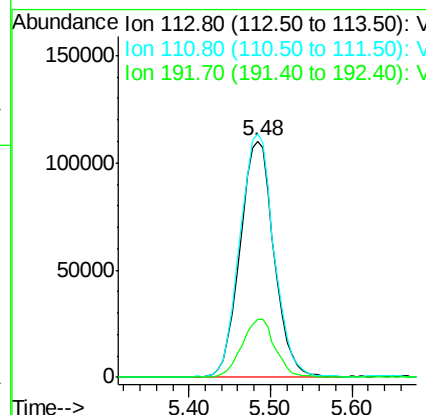
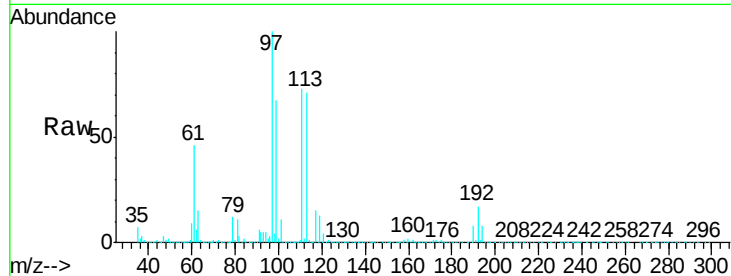
Delta R.T. 0.00 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:	113	Resp:	316231
Ion	Ratio	Lower	Upper
113	100		
111	104.4	81.9	122.9
192	24.5	19.1	28.7



#36

1,1-Dichloropropene

Concen: 49.817 ug/l

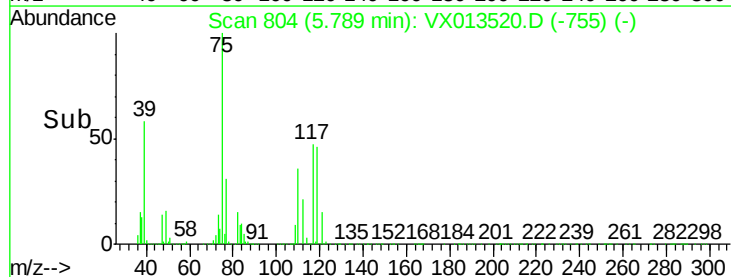
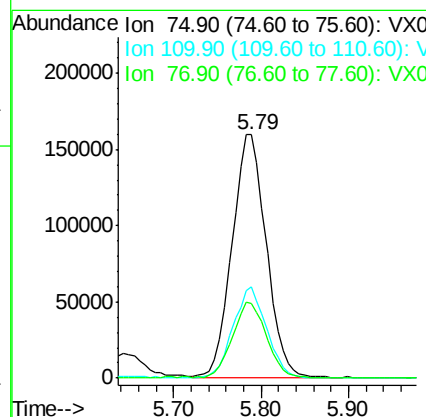
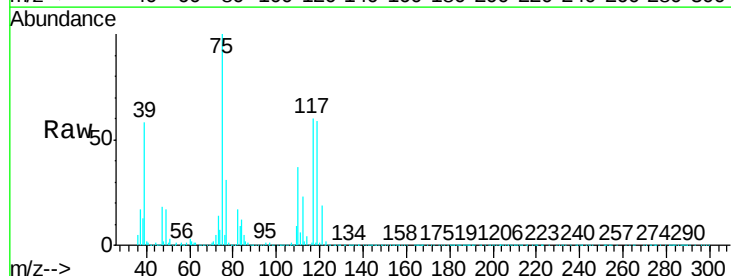
RT: 5.79 min Scan# 804

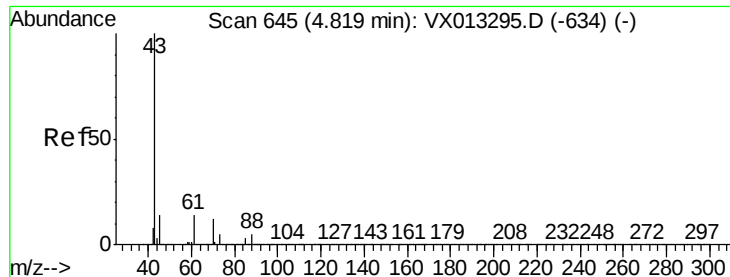
Delta R.T. 0.00 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

Tgt Ion:	75	Resp:	432712
Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.1	54.1
77	31.5	25.0	37.4

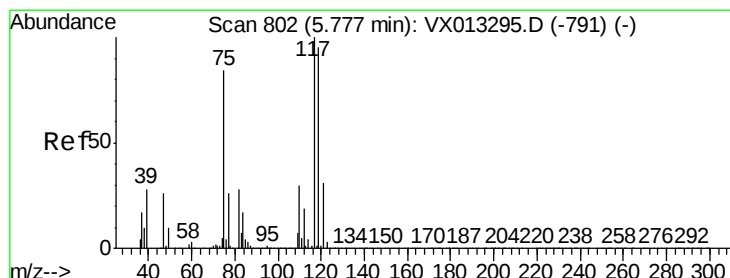
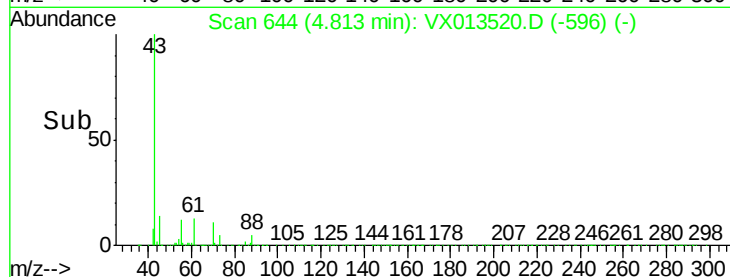
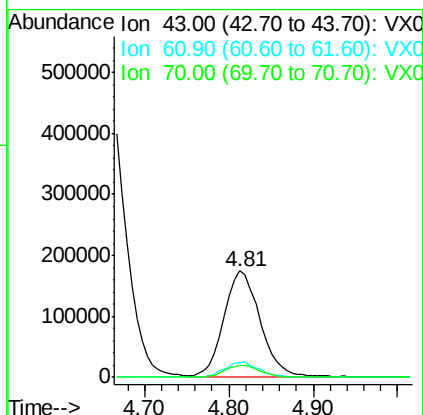
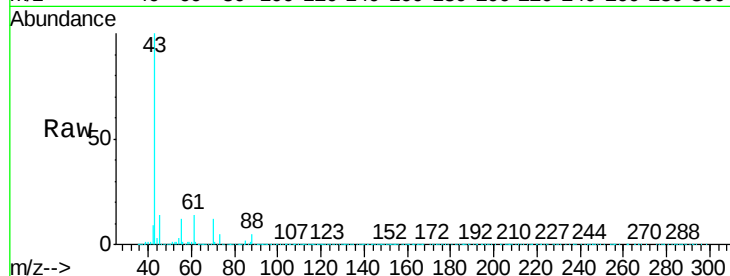




#37
Ethyl Acetate
Concen: 46.968 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX013520.D
Acq: 22 Nov 2019 09:27

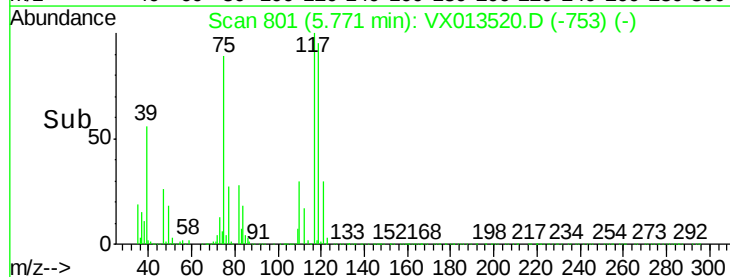
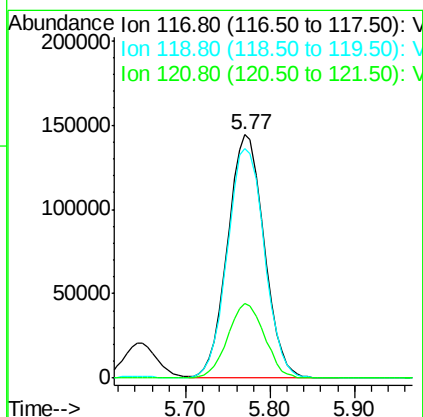
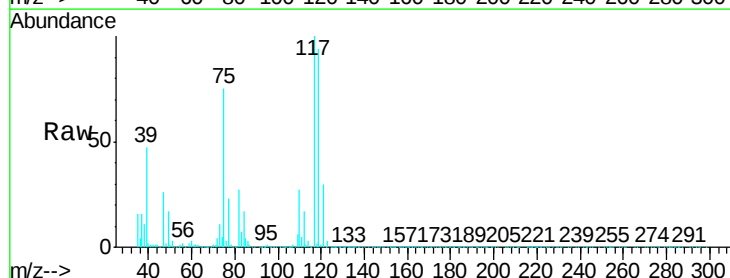
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

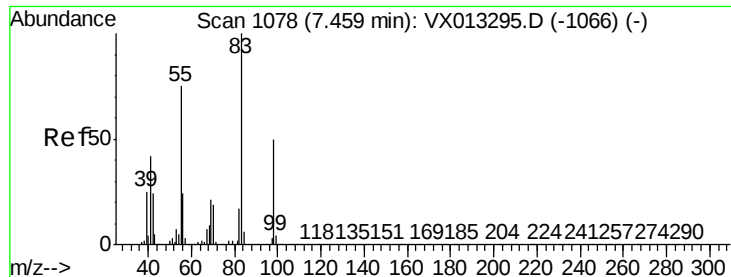
Tgt Ion: 43 Resp: 504108
Ion Ratio Lower Upper
43 100
61 13.9 10.7 16.1
70 11.3 8.7 13.1



#38
Carbon Tetrachloride
Concen: 49.844 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX013520.D
Acq: 22 Nov 2019 09:27

Tgt Ion: 117 Resp: 423361
Ion Ratio Lower Upper
117 100
119 94.3 76.1 114.1
121 30.3 24.6 37.0

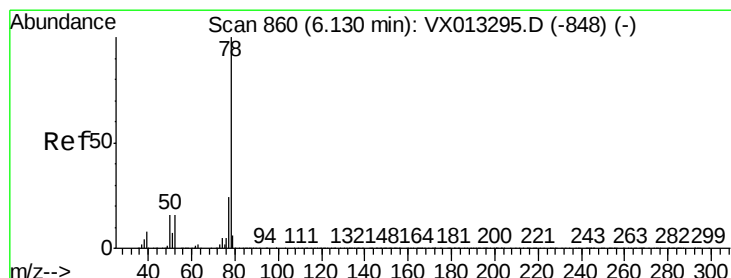
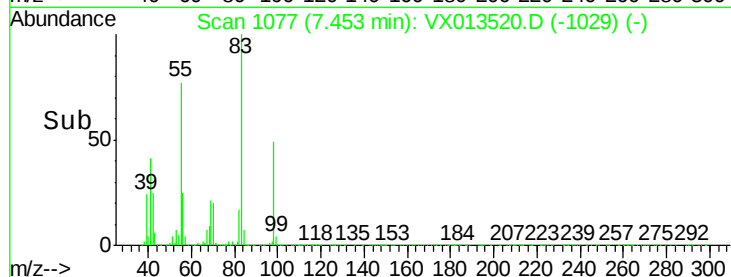
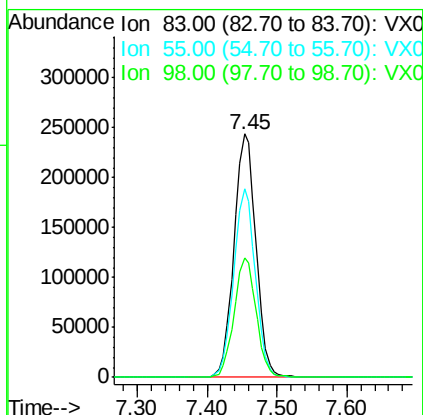
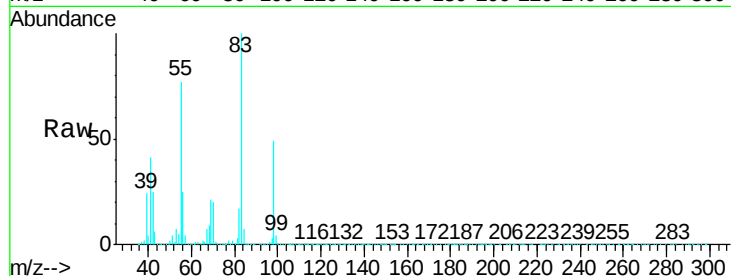




#39
Methylcyclohexane
Concen: 48.977 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX013520.D
Acq: 22 Nov 2019 09:27

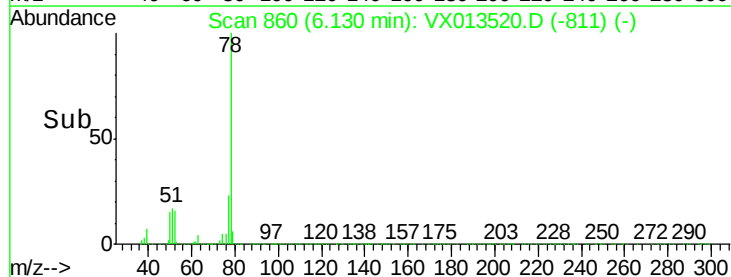
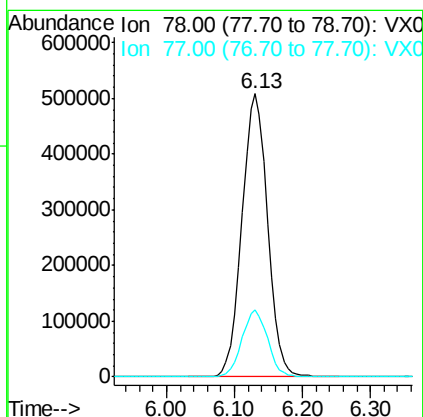
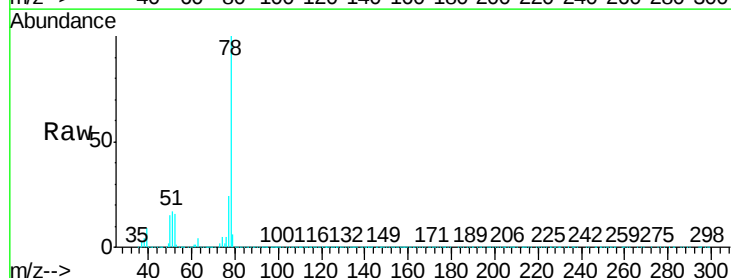
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

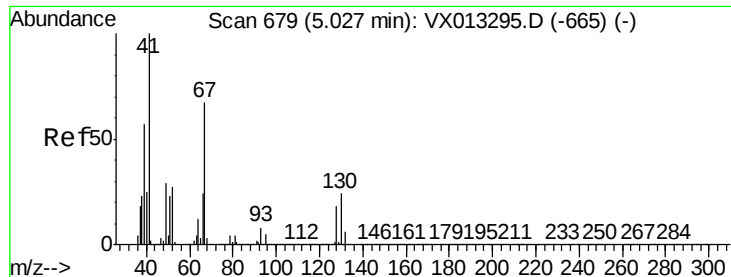
Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.3	60.3	90.5
98	49.2	40.3	60.5



#40
Benzene
Concen: 49.177 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX013520.D
Acq: 22 Nov 2019 09:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.5	29.3

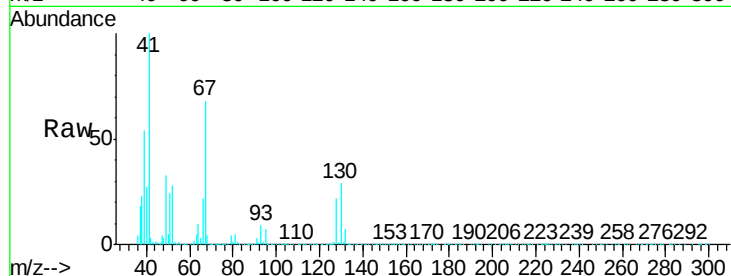




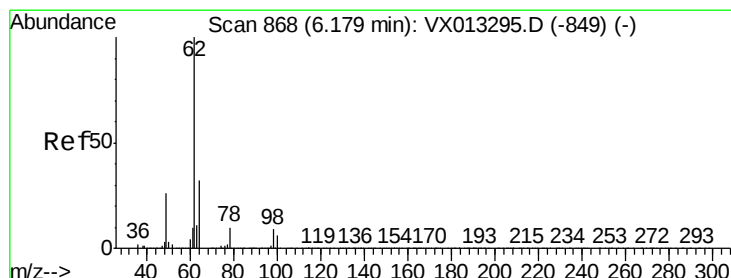
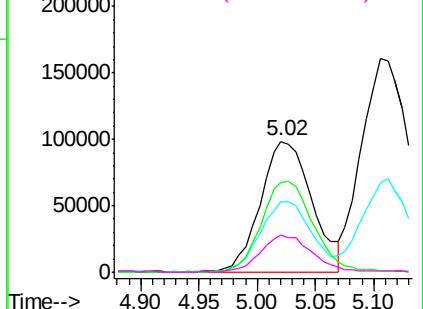
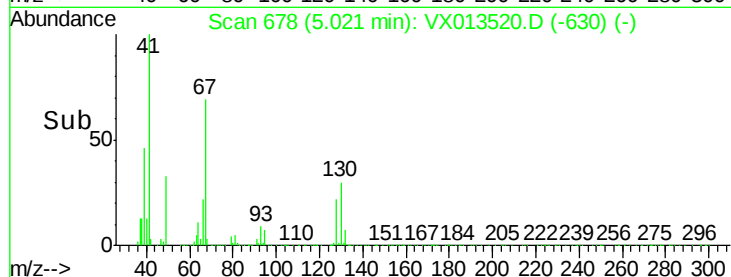
#41
Methacrylonitrile
Concen: 49.826 ug/l
RT: 5.02 min Scan# 678
Delta R.T. -0.01 min
Lab File: VX013520.D
Acq: 22 Nov 2019 09:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	299743
Ion	Ratio	Lower	Upper
41	100		
39	53.0	45.0	67.6
67	69.9	55.4	83.2
52	28.7	23.1	34.7

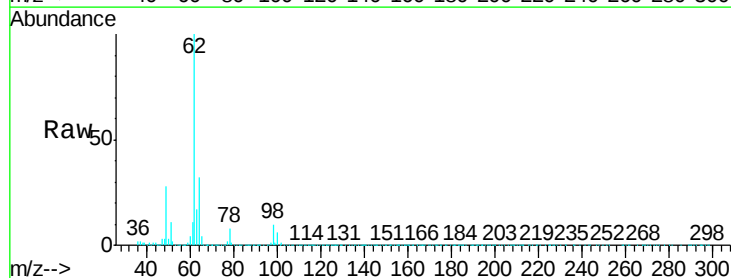


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

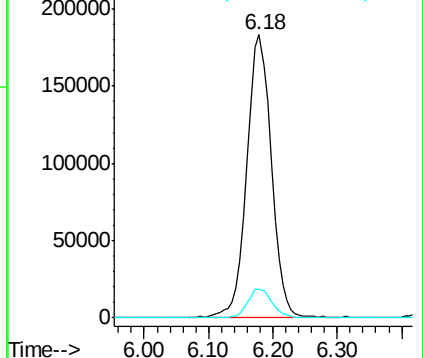
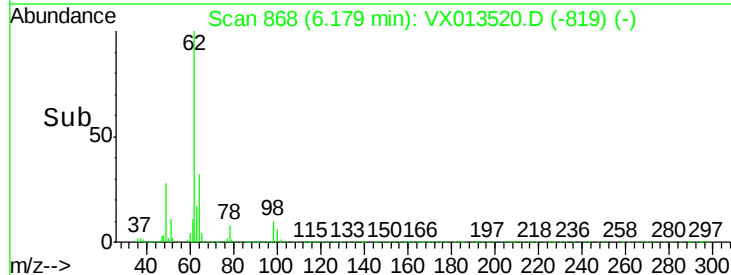


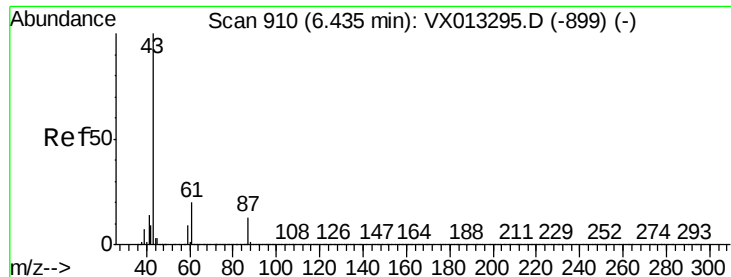
#42
1,2-Dichloroethane
Concen: 48.784 ug/l
RT: 6.18 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX013520.D
Acq: 22 Nov 2019 09:27

Tgt Ion:	62	Resp:	476108
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	19.4



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





#43

Isopropyl Acetate

Concen: 50.913 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

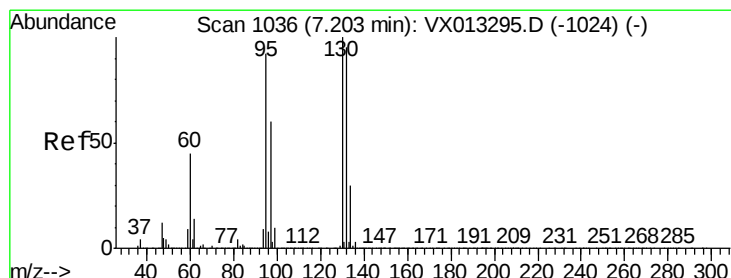
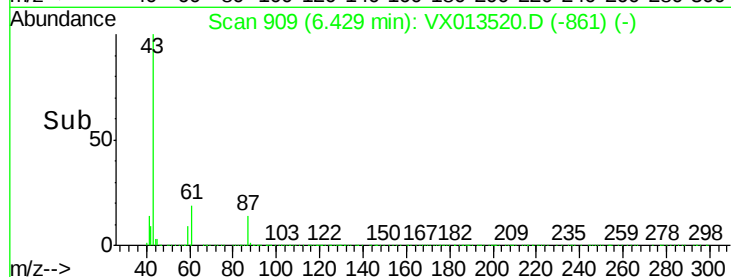
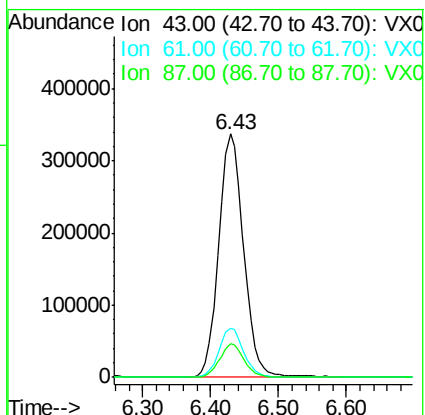
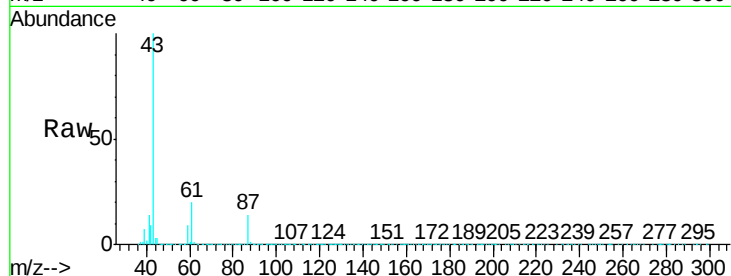
Tgt Ion: 43 Resp: 850912

Ion Ratio Lower Upper

43 100

61 20.0 15.8 23.8

87 13.4 10.4 15.6



#44

Trichloroethene

Concen: 49.215 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VX013520.D

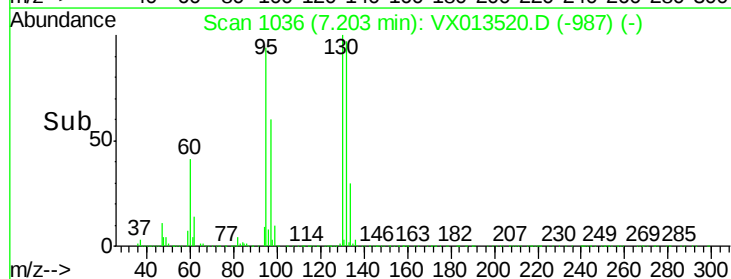
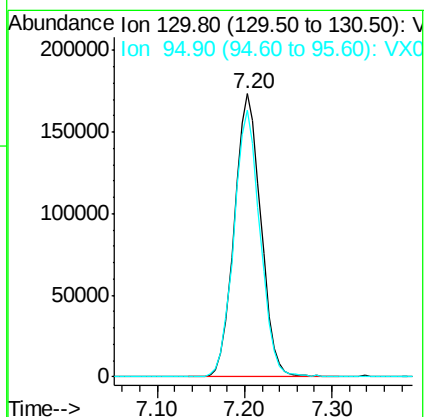
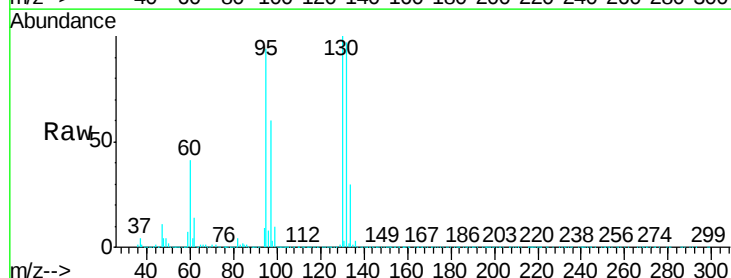
Acq: 22 Nov 2019 09:27

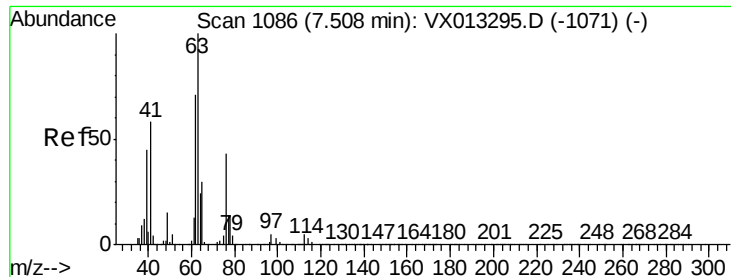
Tgt Ion: 130 Resp: 366535

Ion Ratio Lower Upper

130 100

95 94.0 0.0 184.8

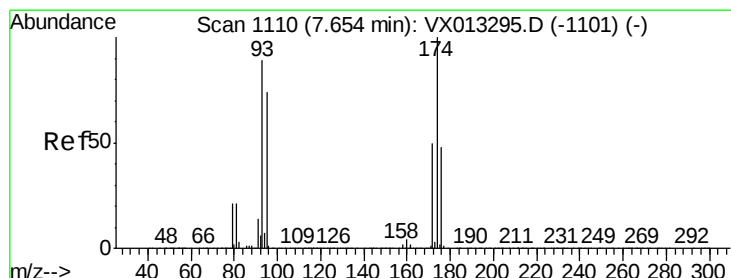
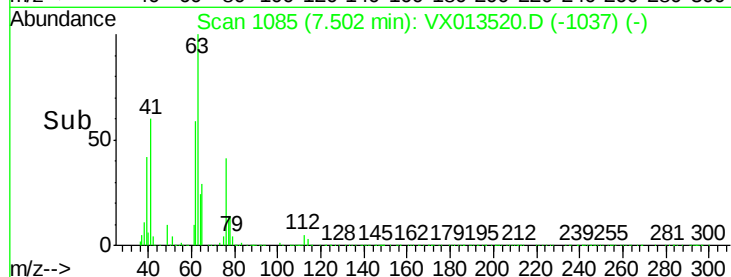
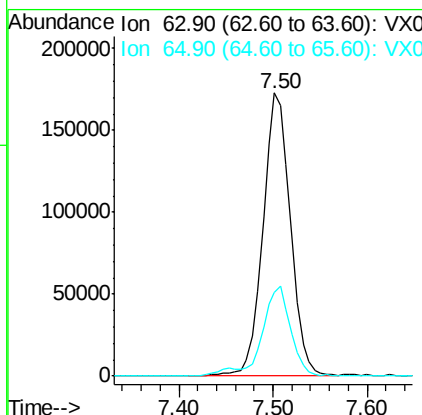
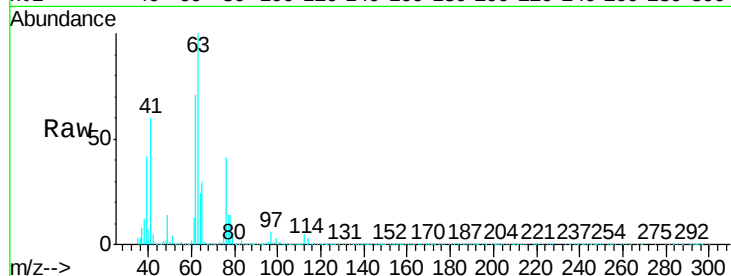




#45
 1,2-Dichloropropane
 Concen: 51.114 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX013520.D
 Acq: 22 Nov 2019 09:27

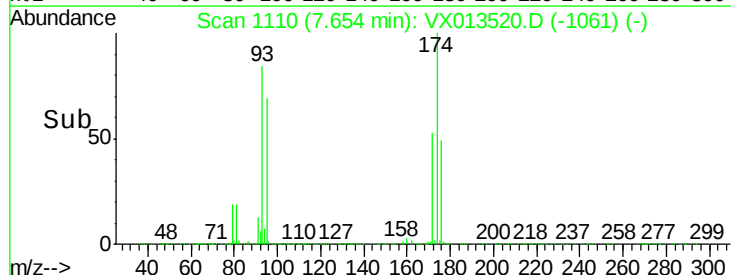
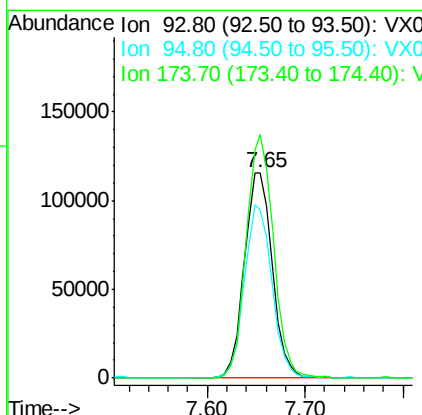
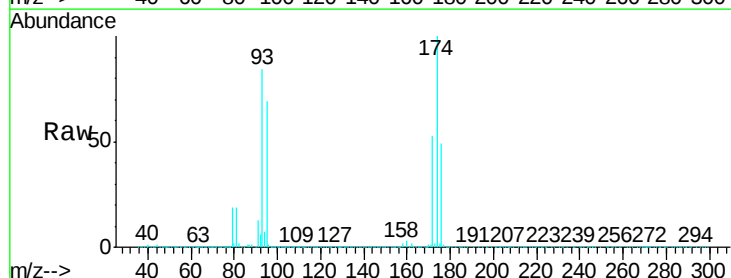
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

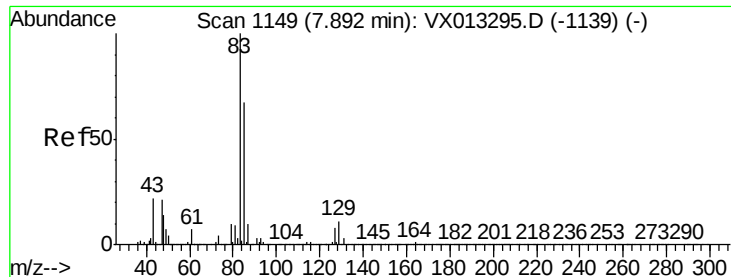
Tgt Ion: 63 Resp: 352371
 Ion Ratio Lower Upper
 63 100
 65 29.5 24.3 36.5



#46
 Dibromomethane
 Concen: 48.755 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX013520.D
 Acq: 22 Nov 2019 09:27

Tgt Ion: 93 Resp: 229486
 Ion Ratio Lower Upper
 93 100
 95 83.2 65.8 98.6
 174 115.9 90.4 135.6





#47

Bromodichloromethane

Concen: 52.385 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

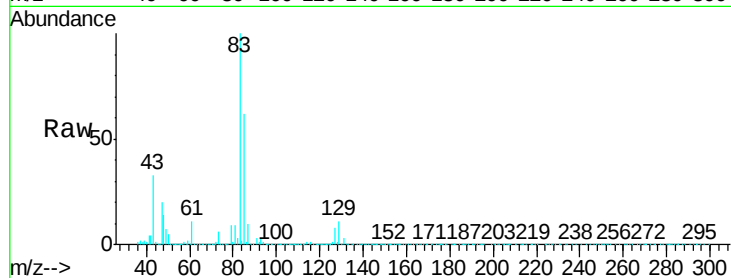
Tgt Ion: 83 Resp: 464968

Ion Ratio Lower Upper

83 100

85 62.1 53.7 80.5

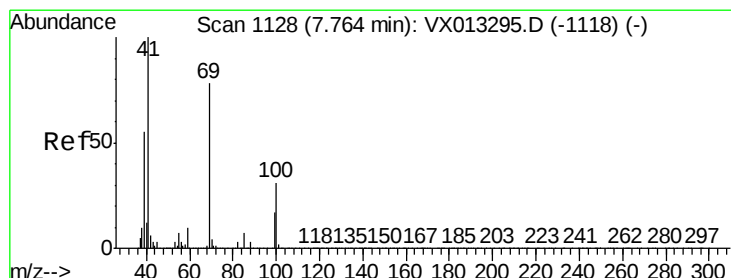
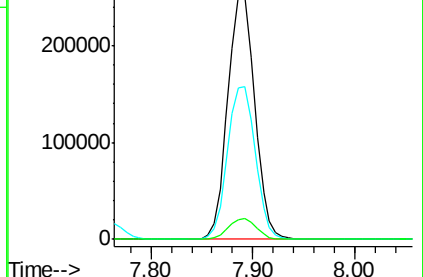
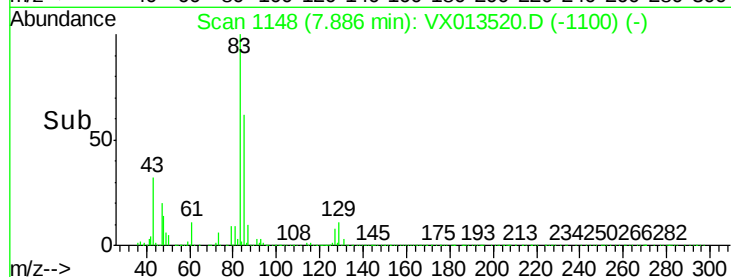
127 7.8 6.4 9.6



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: 50.568 ug/l

RT: 7.76 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

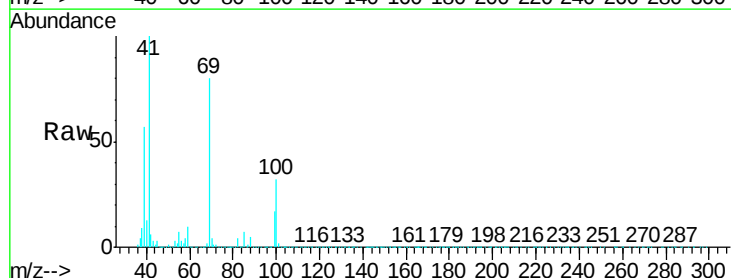
Tgt Ion: 41 Resp: 421881

Ion Ratio Lower Upper

41 100

69 81.1 63.0 94.6

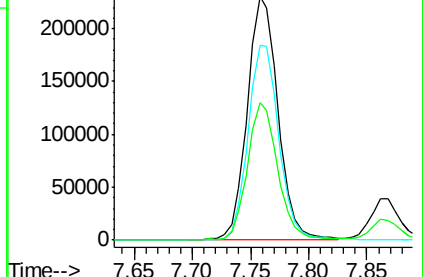
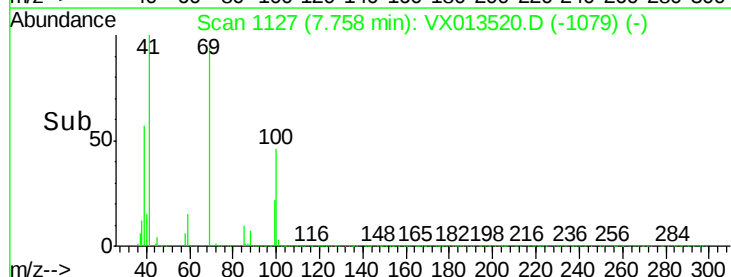
39 55.8 45.9 68.9

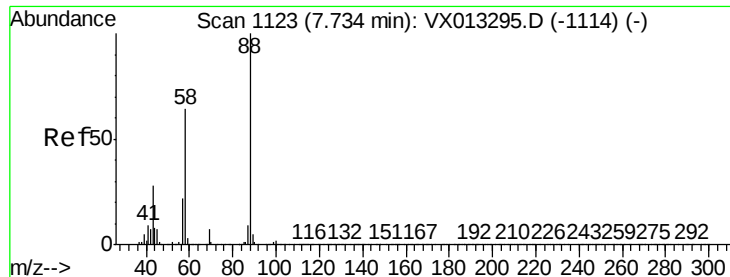


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

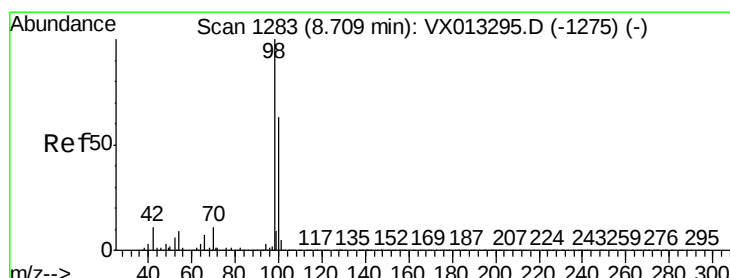
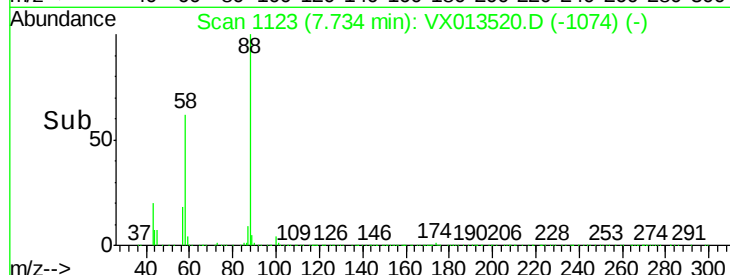
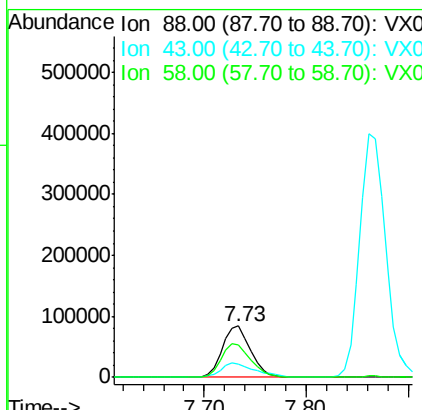
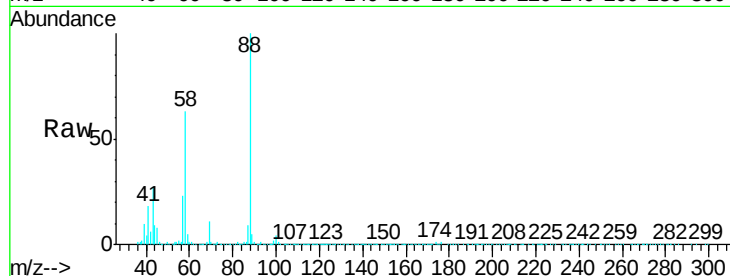




#49
1,4-Dioxane
Concen: 842.175 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX013520.D
Acq: 22 Nov 2019 09:27

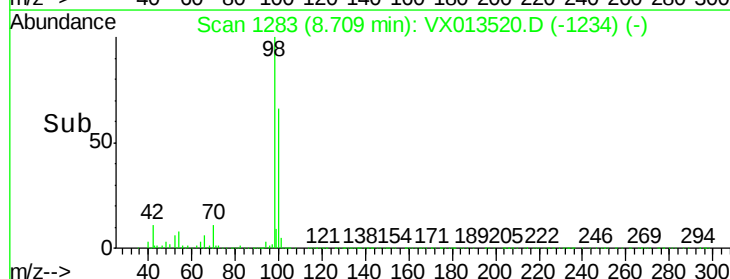
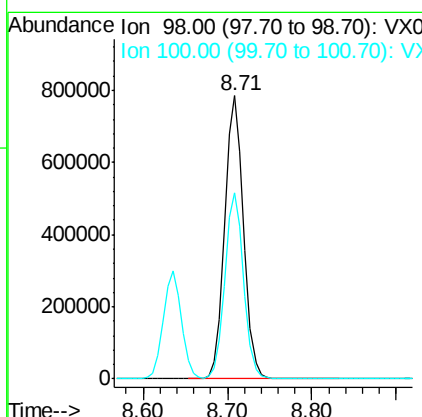
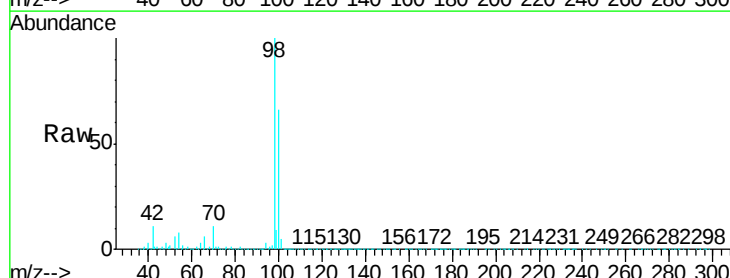
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

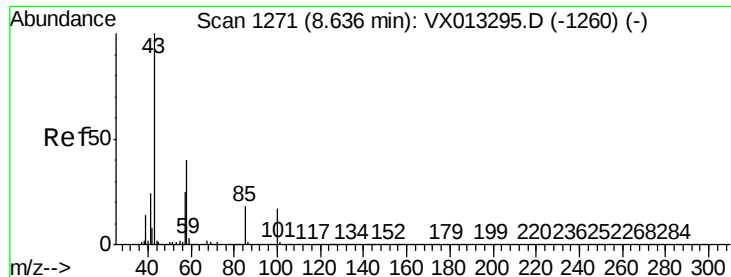
Tgt Ion	Ratio	Lower	Upper
88	100		
43	33.1	26.6	39.8
58	69.1	55.0	82.6



#50
Toluene-d8
Concen: 50.274 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013520.D
Acq: 22 Nov 2019 09:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 247.479 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

Instrument :

MSVOA_X

ClientSampleId :

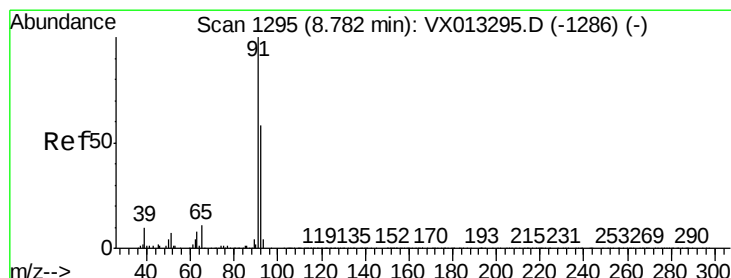
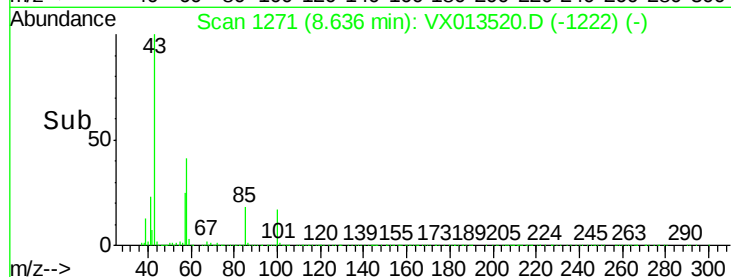
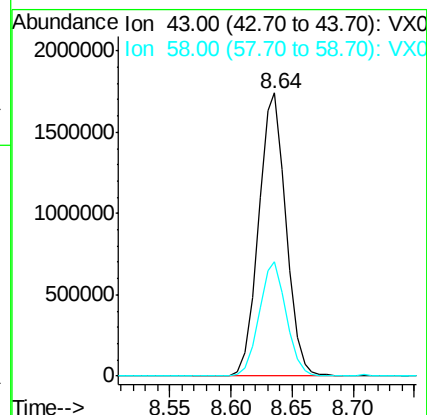
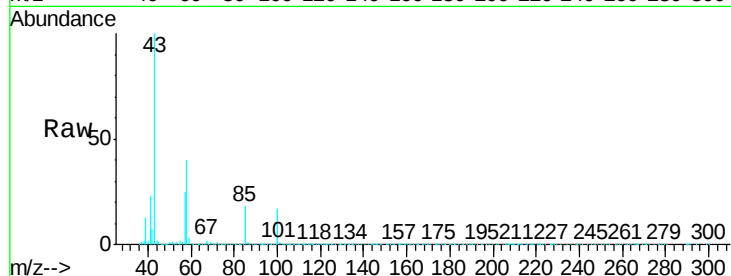
VSTDCCC050

Tgt Ion: 43 Resp: 2713657

Ion Ratio Lower Upper

43 100

58 39.9 31.4 47.0



#52

Toluene

Concen: 50.527 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX013520.D

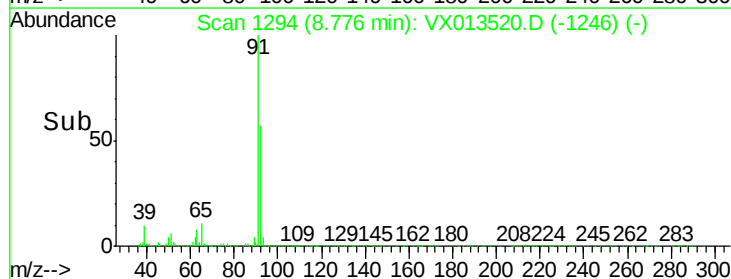
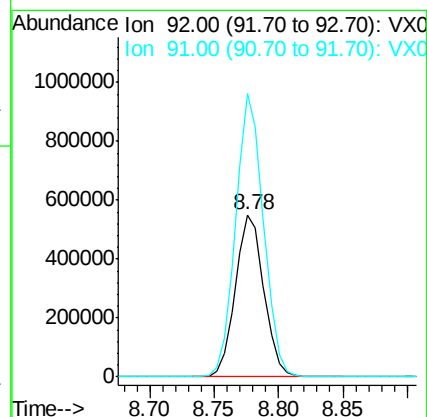
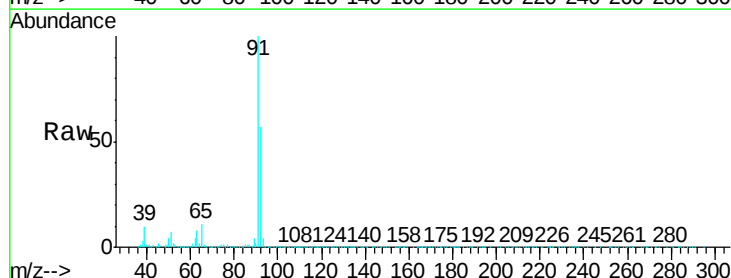
Acq: 22 Nov 2019 09:27

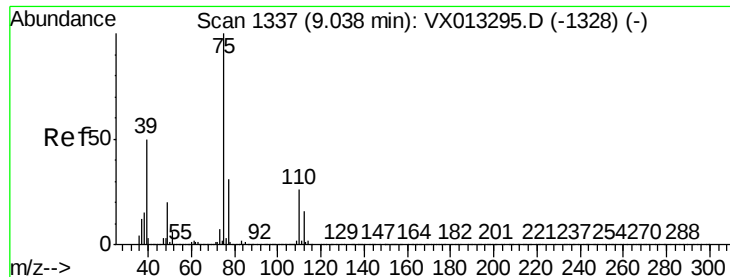
Tgt Ion: 92 Resp: 847315

Ion Ratio Lower Upper

92 100

91 171.3 138.0 207.0





#53

t-1,3-Dichloropropene

Concen: 53.444 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

Instrument :

MSVOA_X

ClientSampleId :

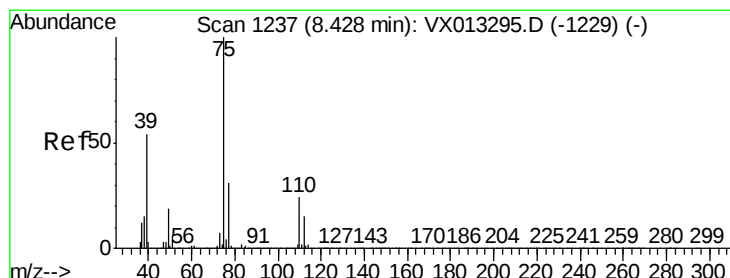
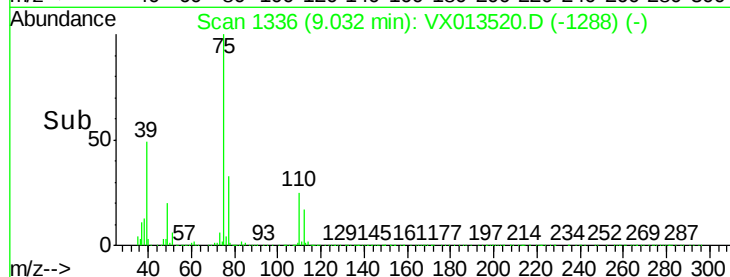
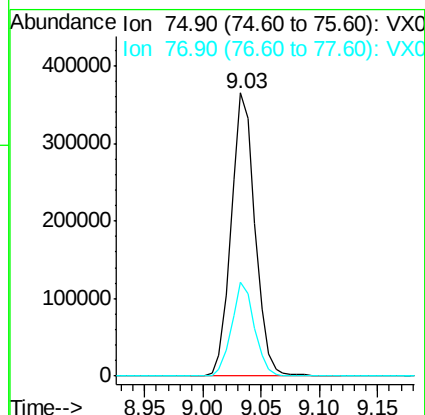
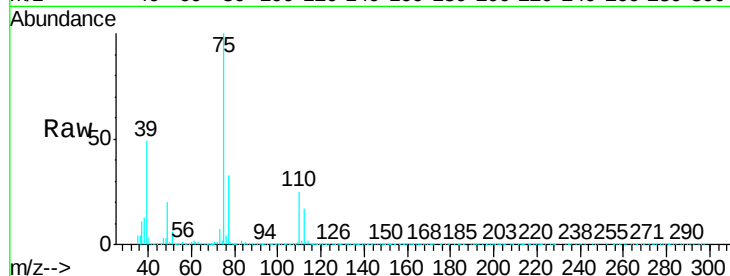
VSTDCCC050

Tgt Ion: 75 Resp: 518713

Ion Ratio Lower Upper

75 100

77 33.2 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 52.799 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

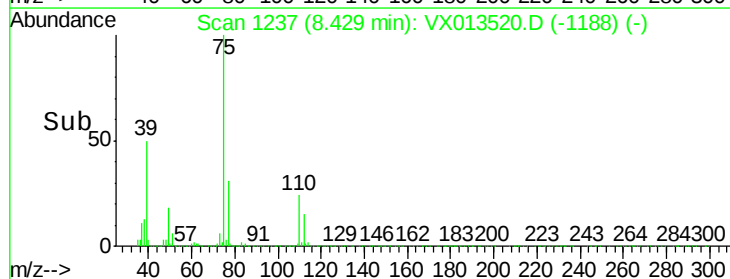
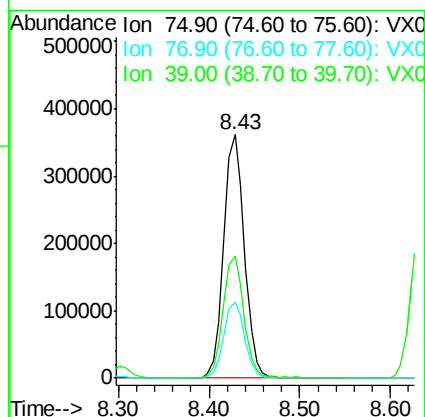
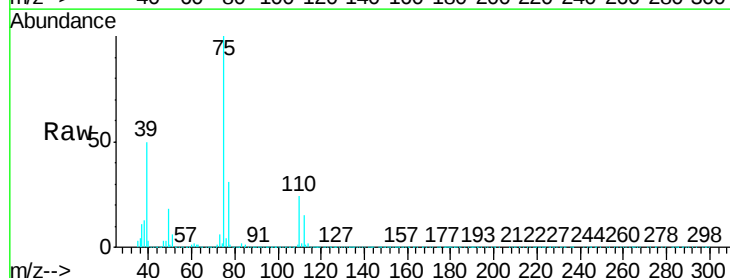
Tgt Ion: 75 Resp: 573241

Ion Ratio Lower Upper

75 100

77 31.4 24.7 37.1

39 49.9 43.0 64.6





#55

1,1,2-Trichloroethane

Concen: 51.595 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 358627

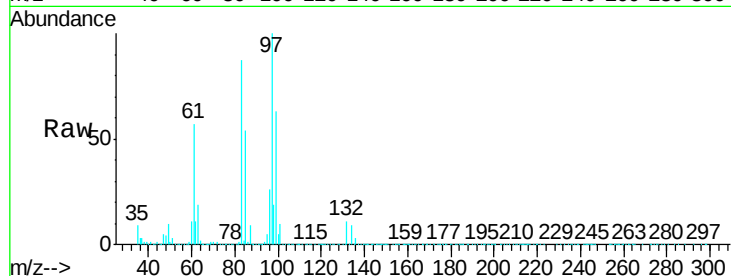
Ion Ratio Lower Upper

97 100

83 86.7 68.6 103.0

85 53.9 43.1 64.7

99 62.6 49.4 74.0

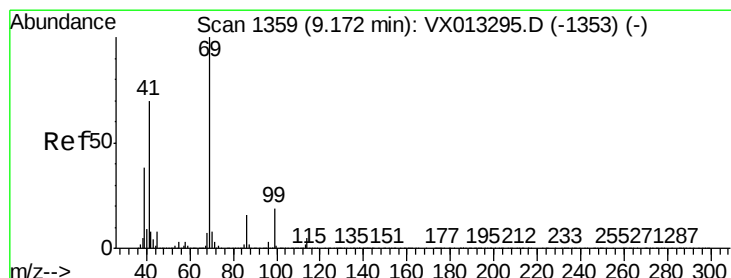
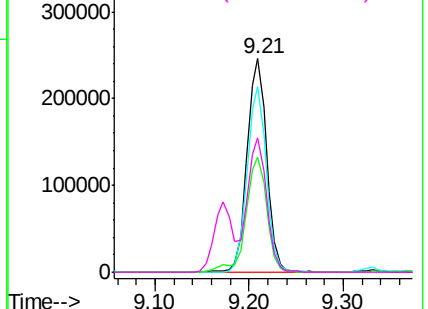
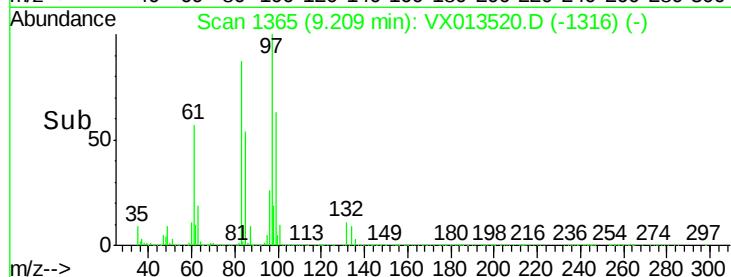


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 48.962 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

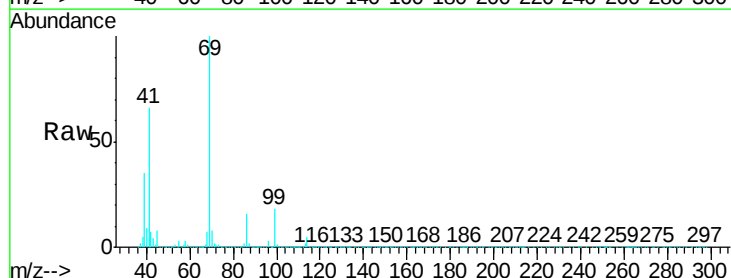
Tgt Ion: 69 Resp: 580600

Ion Ratio Lower Upper

69 100

41 68.2 56.2 84.2

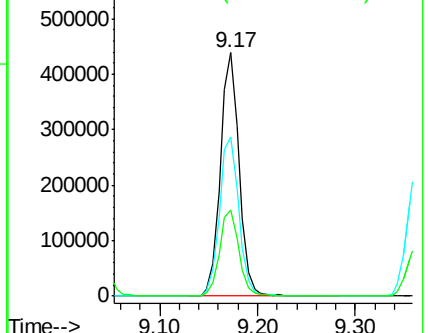
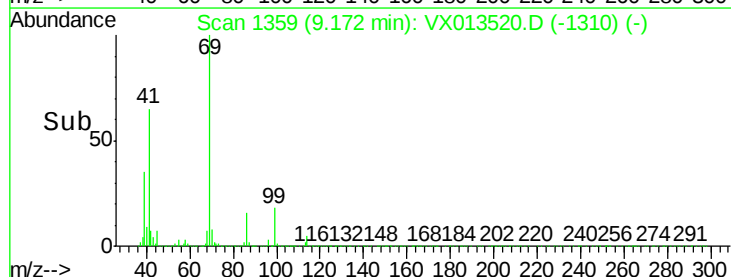
39 36.1 31.1 46.7

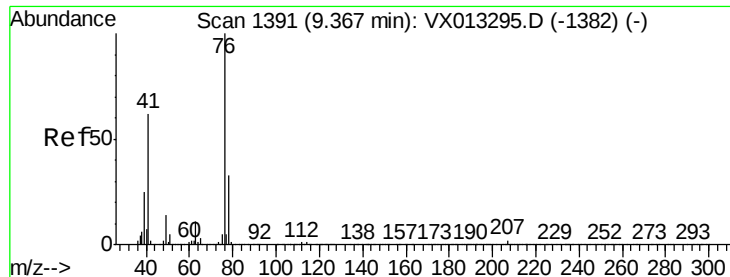


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 50.717 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

Instrument :

MSVOA_X

ClientSampleId :

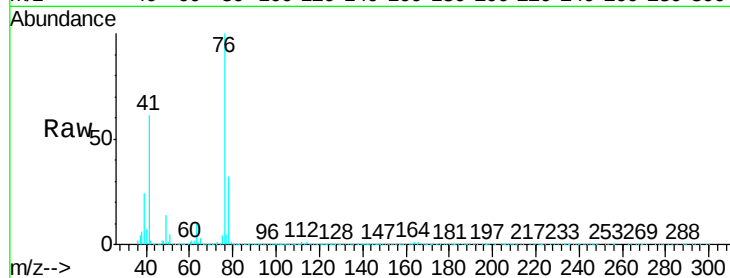
VSTDCCC050

Tgt Ion: 76 Resp: 598422

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.36

400000

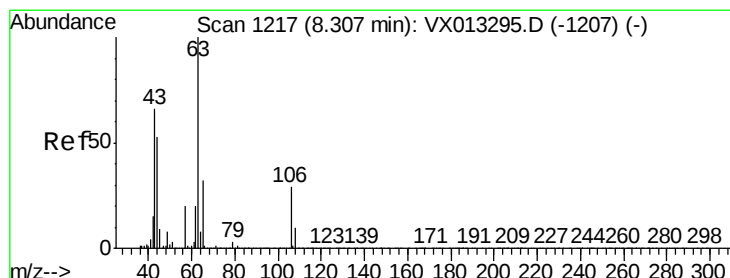
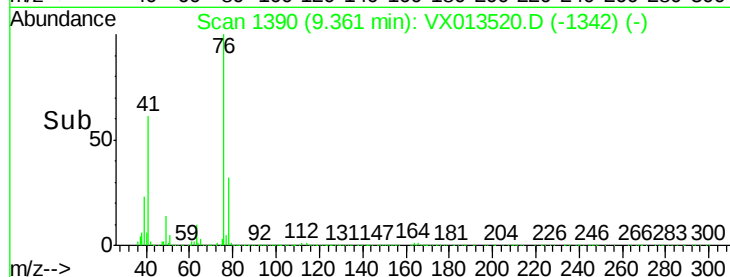
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 249.043 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX013520.D

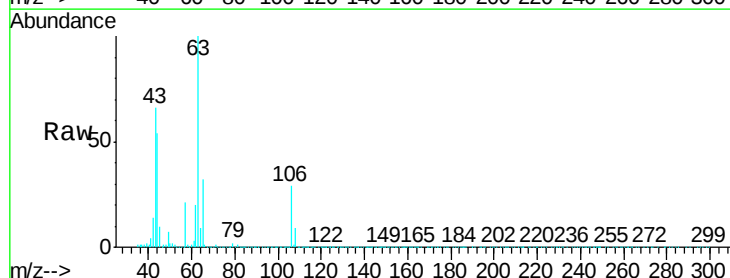
Acq: 22 Nov 2019 09:27

Tgt Ion: 63 Resp: 1183597

Ion Ratio Lower Upper

63 100

106 29.5 23.4 35.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.30

800000

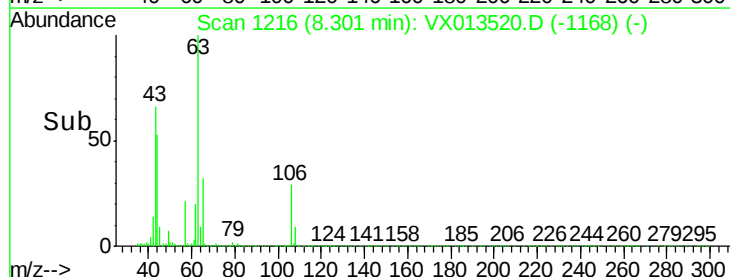
600000

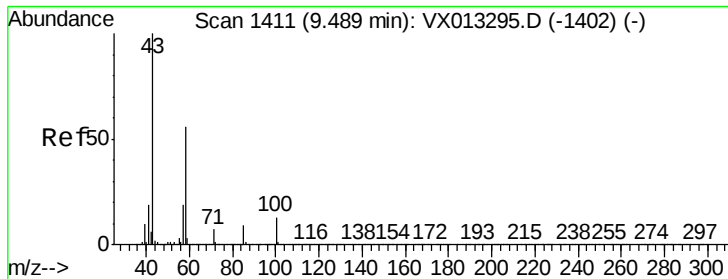
400000

200000

0

Time-->

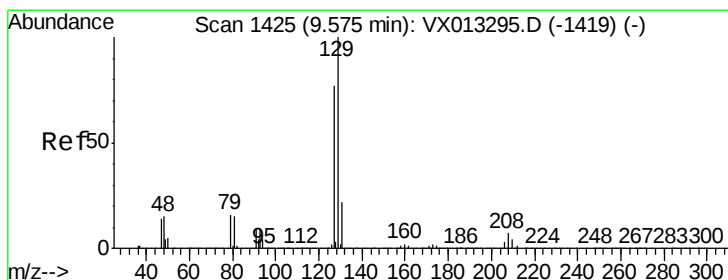
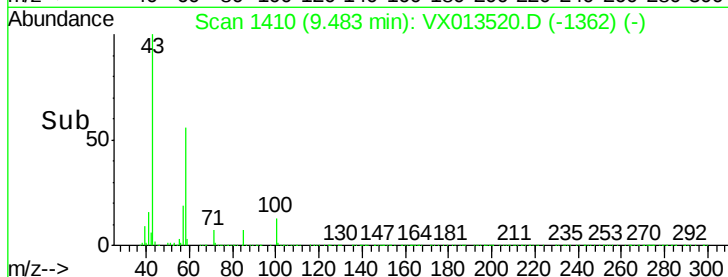
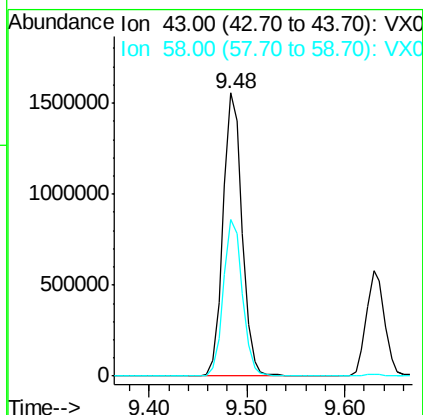
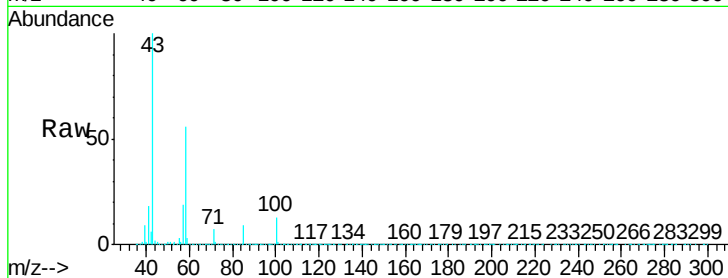




#59
2-Hexanone
Concen: 247.905 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX013520.D
Acq: 22 Nov 2019 09:27

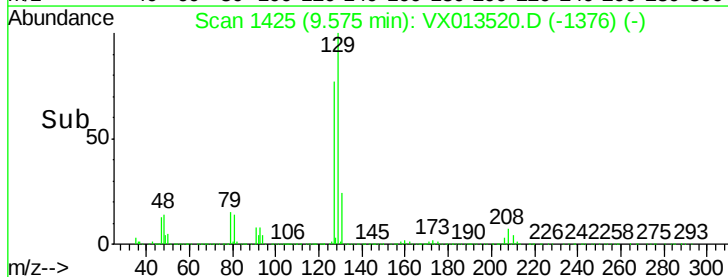
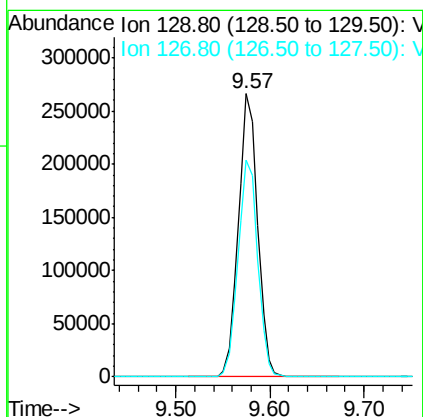
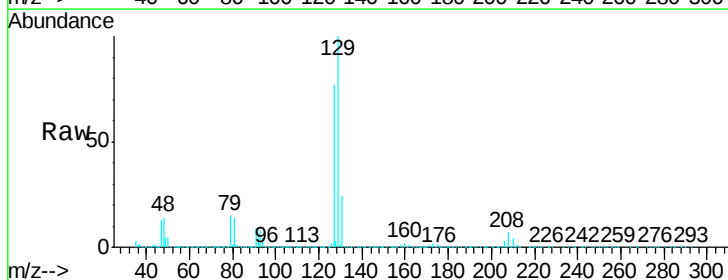
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

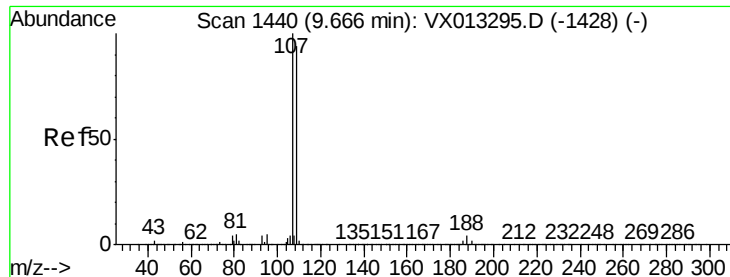
Tgt Ion: 43 Resp: 2100664
Ion Ratio Lower Upper
43 100
58 55.3 27.3 81.8



#60
Dibromochloromethane
Concen: 53.273 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VX013520.D
Acq: 22 Nov 2019 09:27

Tgt Ion: 129 Resp: 378703
Ion Ratio Lower Upper
129 100
127 78.5 39.1 117.2





#61

1,2-Dibromoethane

Concen: 49.719 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

Instrument :

MSVOA_X

ClientSampleId :

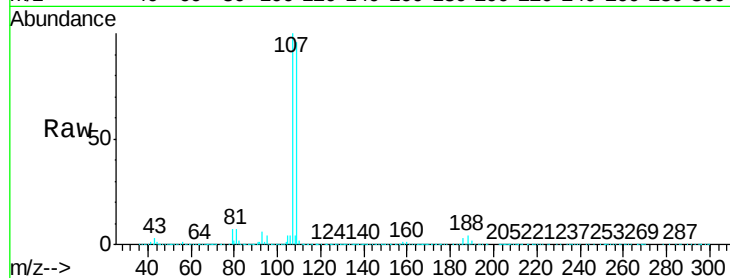
VSTDCCC050

Tgt Ion: 107 Resp: 366967

Ion Ratio Lower Upper

107 100

109 96.0 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

250000

200000

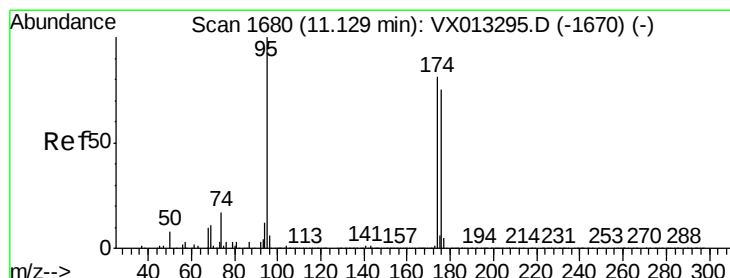
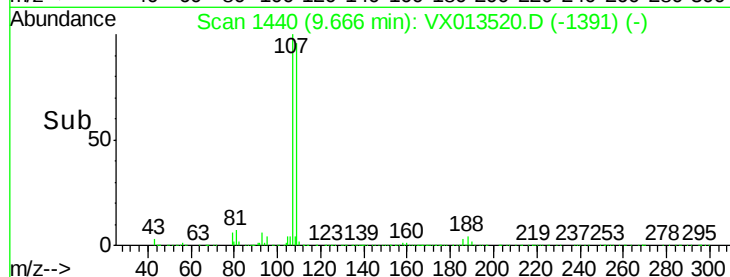
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.714 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

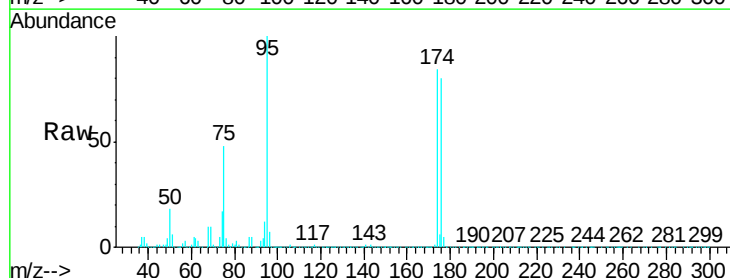
Tgt Ion: 95 Resp: 438183

Ion Ratio Lower Upper

95 100

174 89.2 0.0 179.8

176 86.9 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

400000

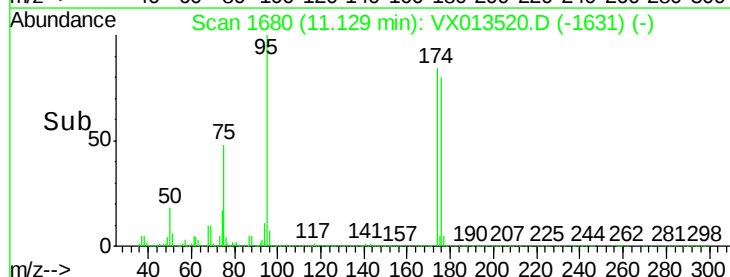
300000

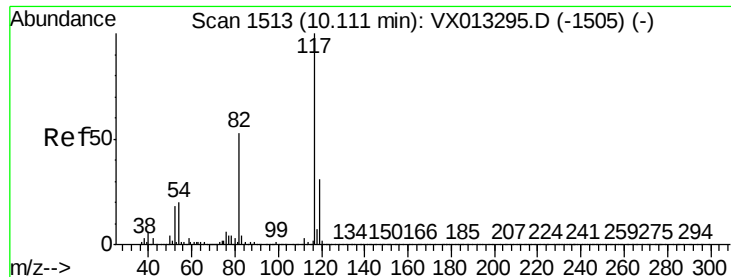
200000

100000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

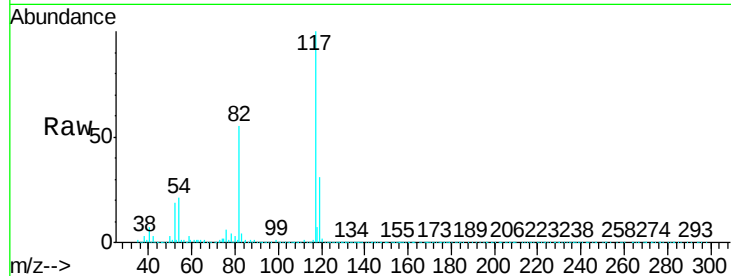
Tgt Ion:117 Resp: 897589

Ion Ratio Lower Upper

117 100

82 55.2 42.6 64.0

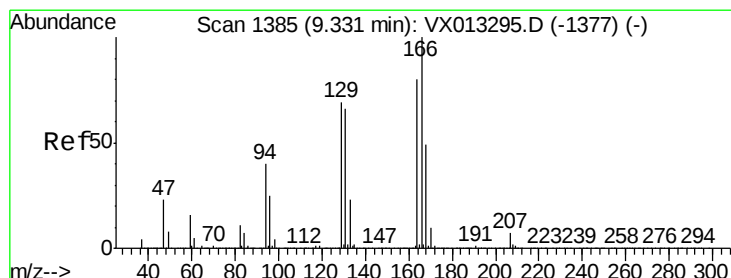
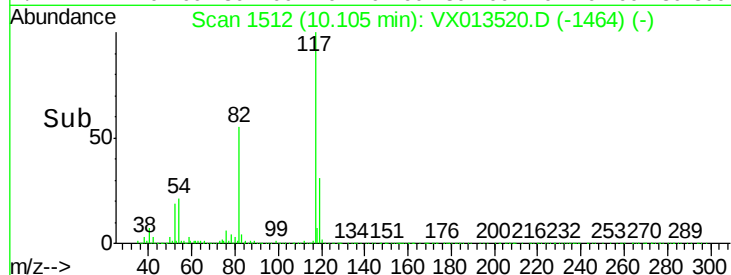
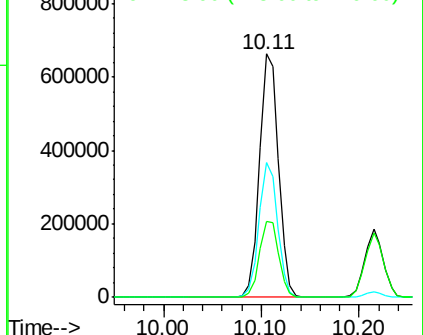
119 31.2 24.8 37.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 49.440 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

Tgt Ion:164 Resp: 317679

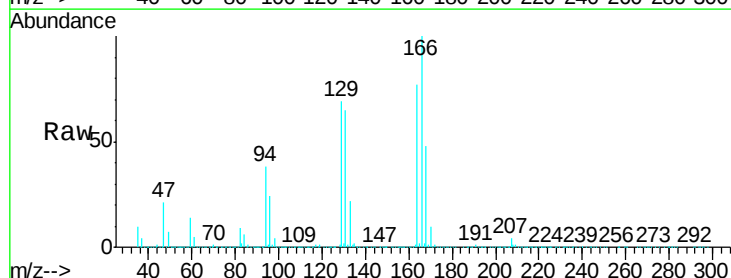
Ion Ratio Lower Upper

164 100

166 130.4 100.4 150.6

129 89.7 69.4 104.2

131 85.3 66.6 100.0

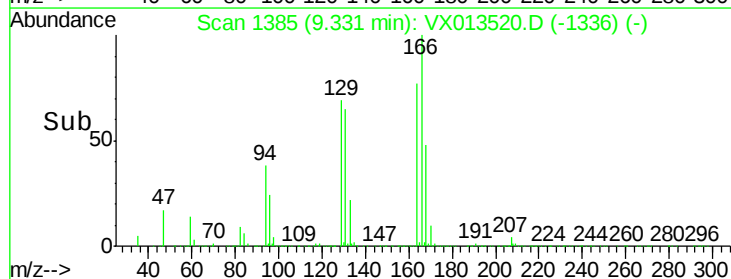
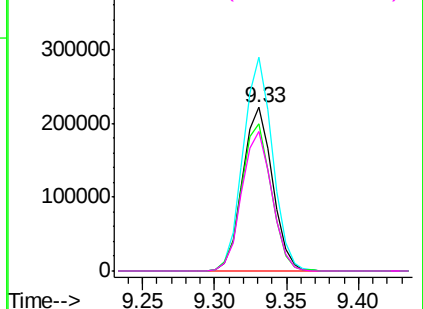


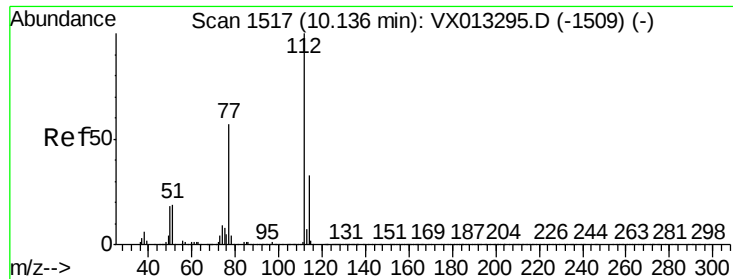
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 50.732 ug/l

RT: 10.13 min Scan# 1516

Delta R.T. -0.01 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

Instrument :

MSVOA_X

ClientSampleId :

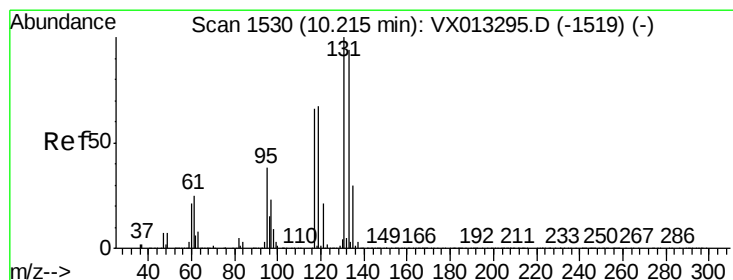
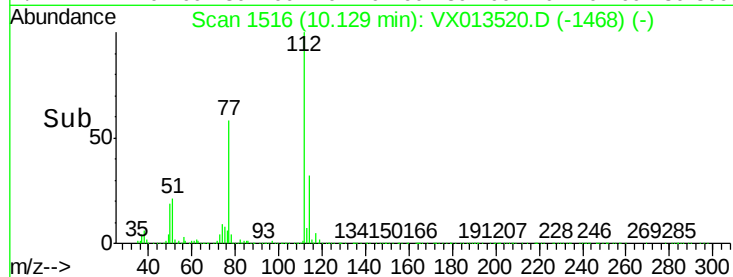
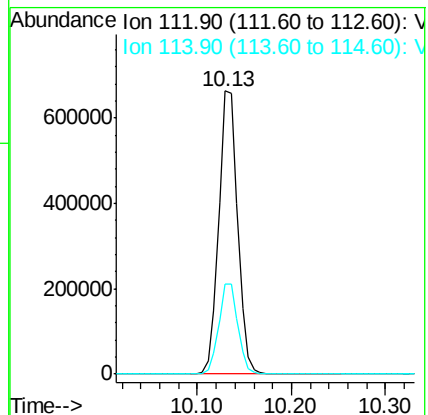
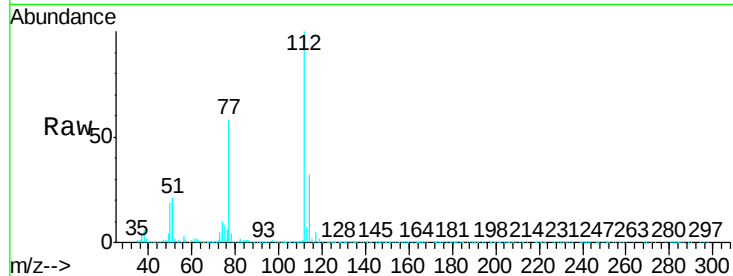
VSTDCCC050

Tgt Ion:112 Resp: 921902

Ion Ratio Lower Upper

112 100

114 31.9 26.4 39.6



#66

1,1,1,2-Tetrachloroethane

Concen: 52.466 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

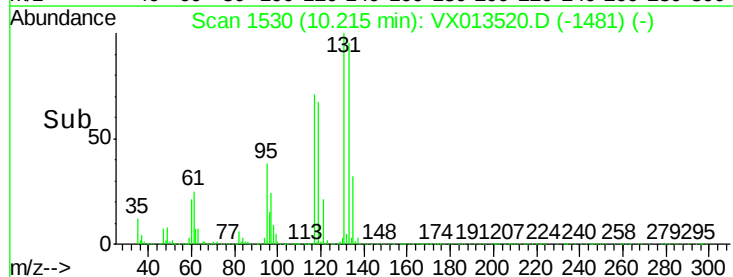
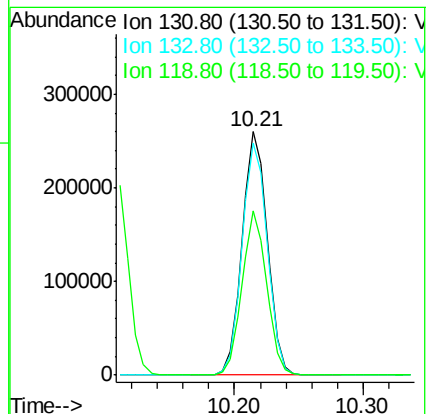
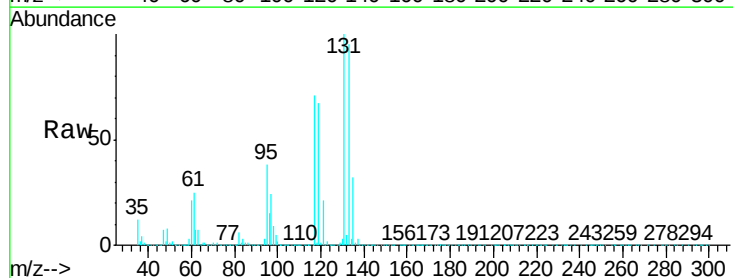
Tgt Ion:131 Resp: 350072

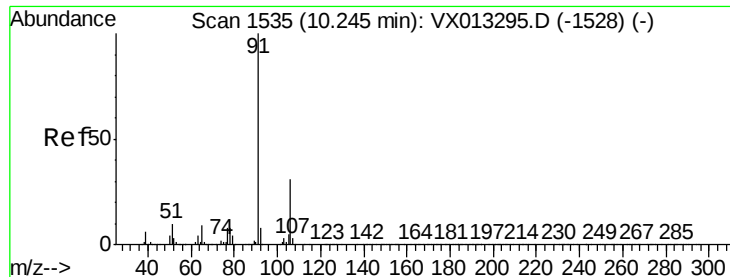
Ion Ratio Lower Upper

131 100

133 95.8 48.0 144.0

119 66.0 33.0 99.0





#67

Ethyl Benzene

Concen: 51.662 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

Instrument :

MSVOA_X

ClientSampleId :

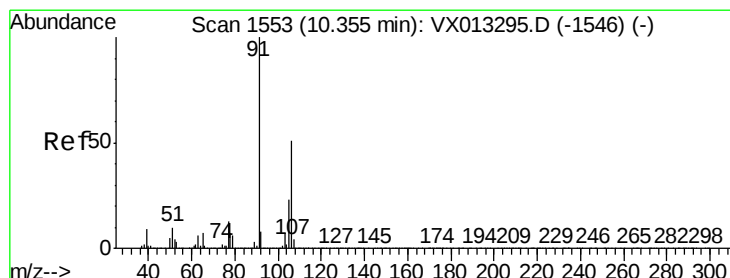
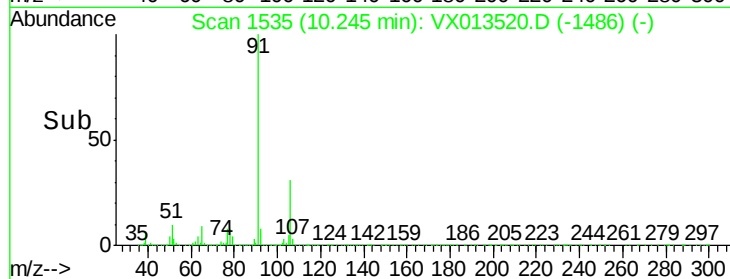
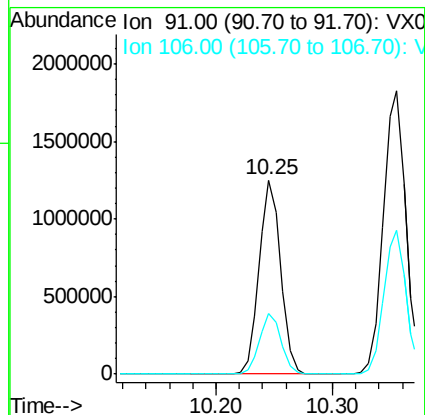
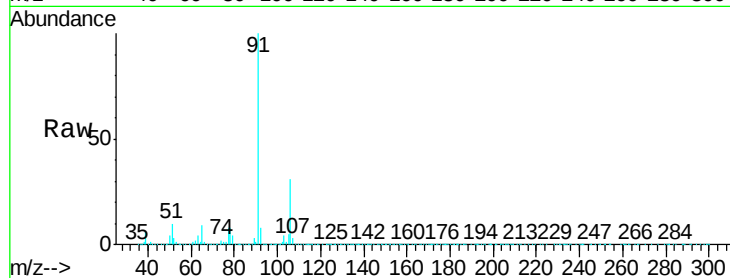
VSTDCCC050

Tgt Ion: 91 Resp: 1620290

Ion Ratio Lower Upper

91 100

106 30.9 24.6 36.8



#68

m/p-Xylenes

Concen: 104.469 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX013520.D

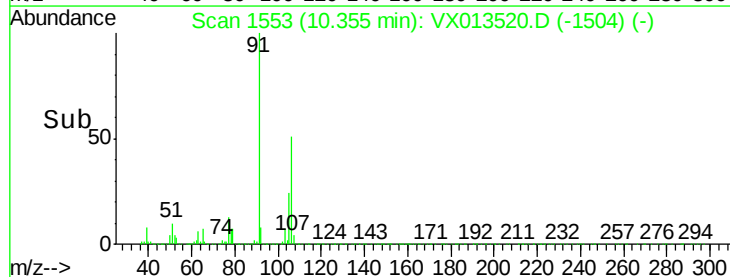
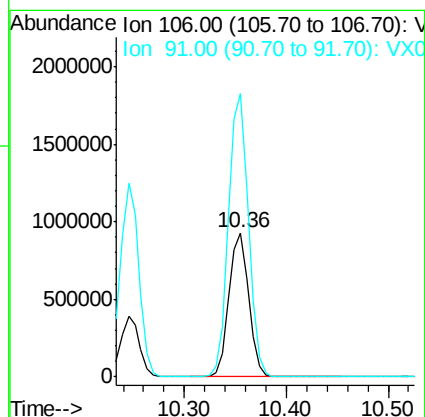
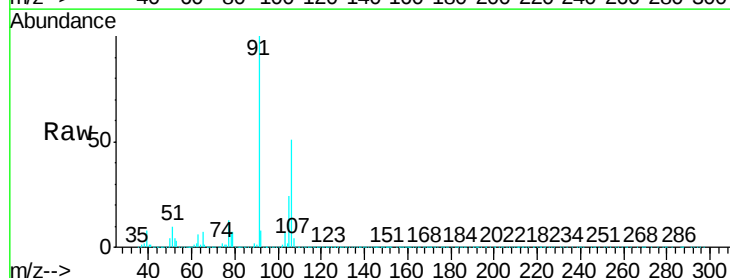
Acq: 22 Nov 2019 09:27

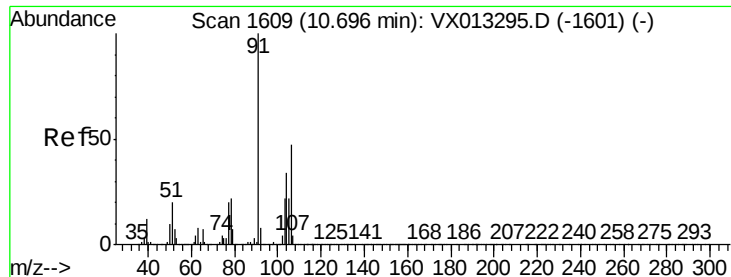
Tgt Ion: 106 Resp: 1239134

Ion Ratio Lower Upper

106 100

91 198.7 159.3 238.9

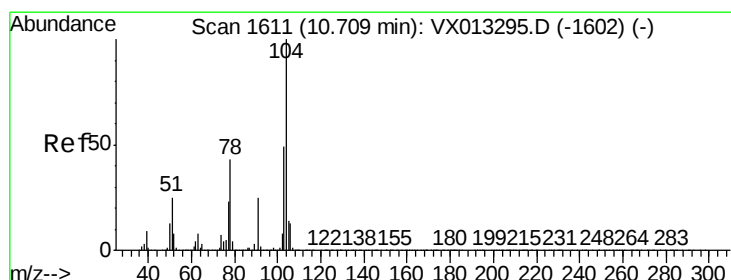
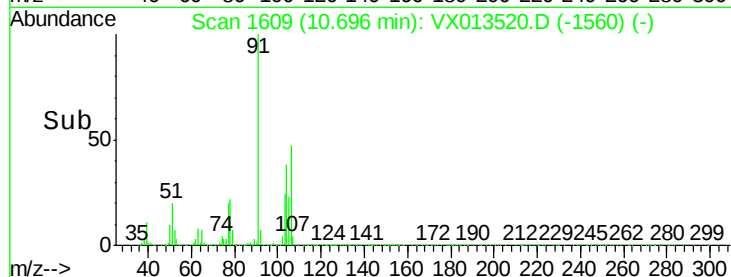
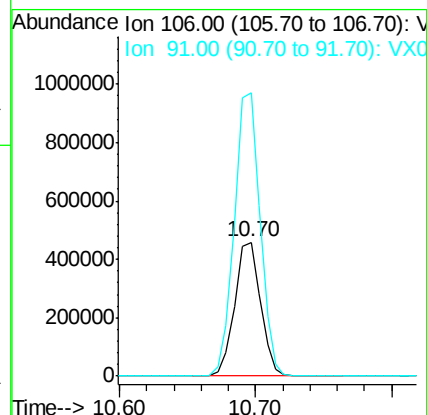
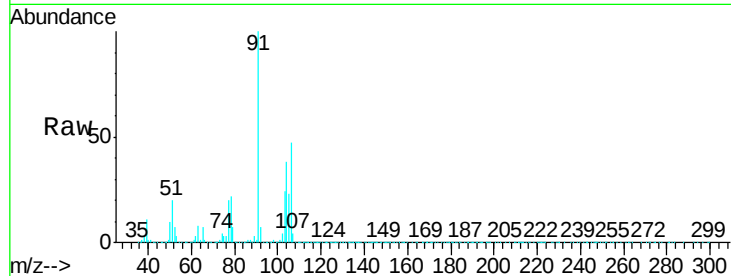




#69
o-Xylene
Concen: 52.121 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013520.D
Acq: 22 Nov 2019 09:27

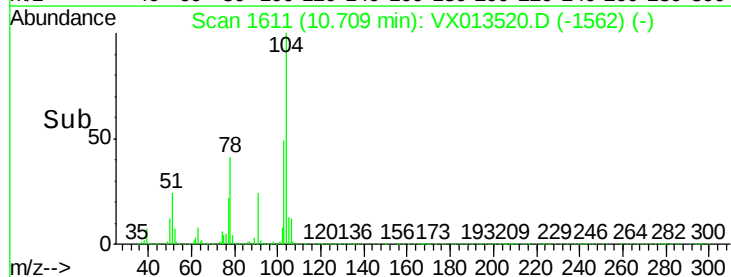
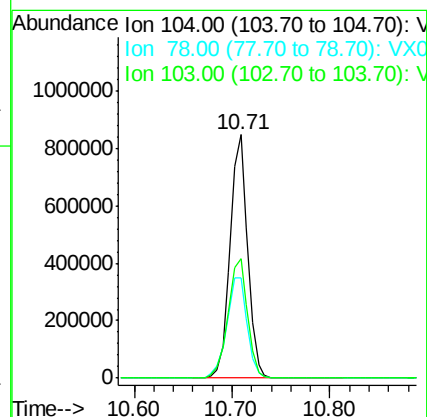
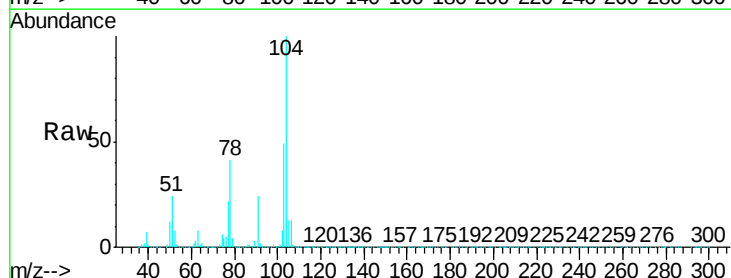
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

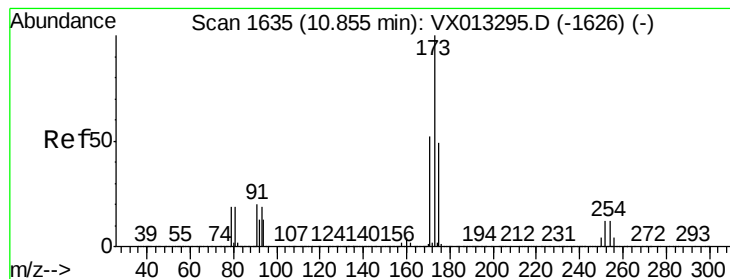
Tgt Ion:106 Resp: 605254
Ion Ratio Lower Upper
106 100
91 212.1 105.7 317.0



#70
Styrene
Concen: 54.492 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013520.D
Acq: 22 Nov 2019 09:27

Tgt Ion:104 Resp: 1057782
Ion Ratio Lower Upper
104 100
78 47.8 40.0 60.0
103 54.2 44.1 66.1





#71

Bromoform

Concen: 48.427 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

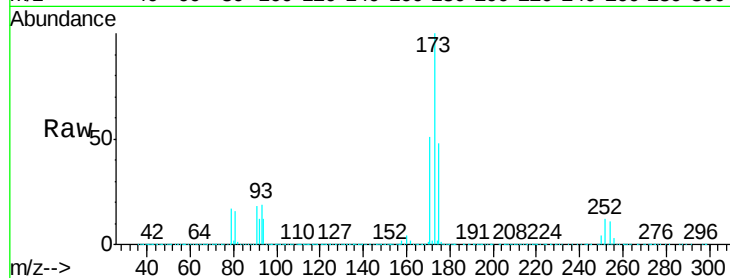
Tgt Ion:173 Resp: 298932

Ion Ratio Lower Upper

173 100

175 48.6 24.8 74.4

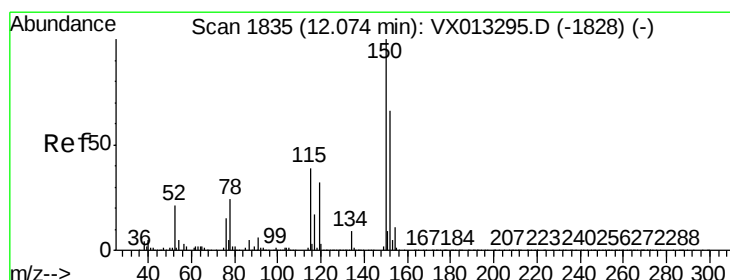
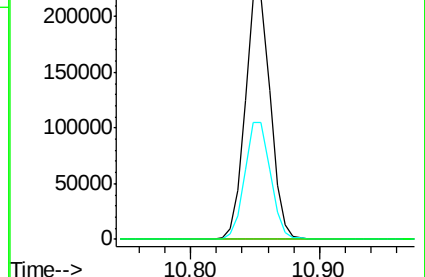
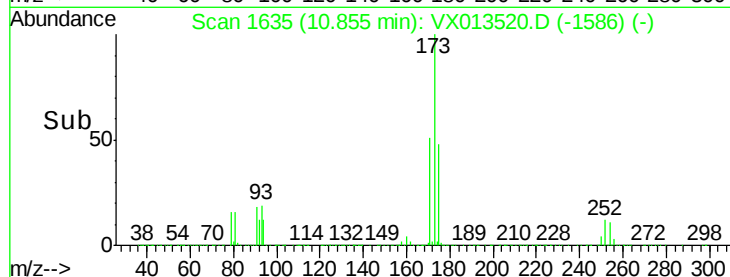
254 0.2 0.2 0.2



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: VX013520.D

Acq: 22 Nov 2019 09:27

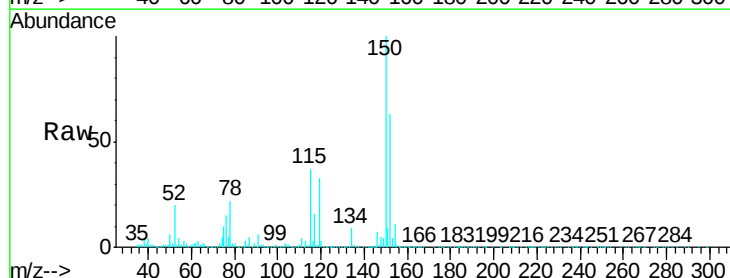
Tgt Ion:152 Resp: 457947

Ion Ratio Lower Upper

152 100

115 79.4 39.5 118.3

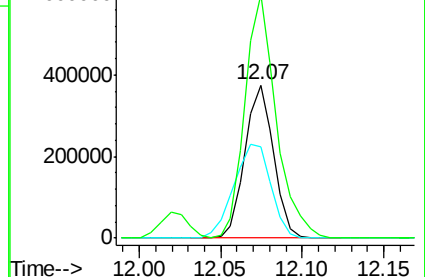
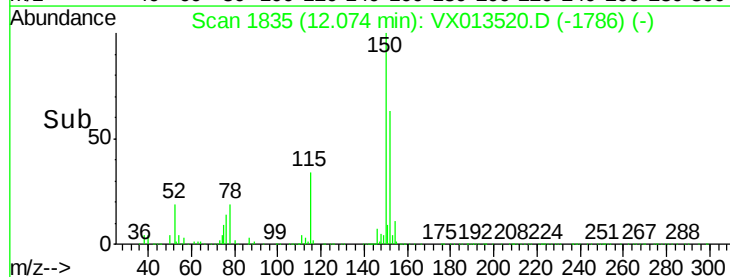
150 173.3 0.0 344.4

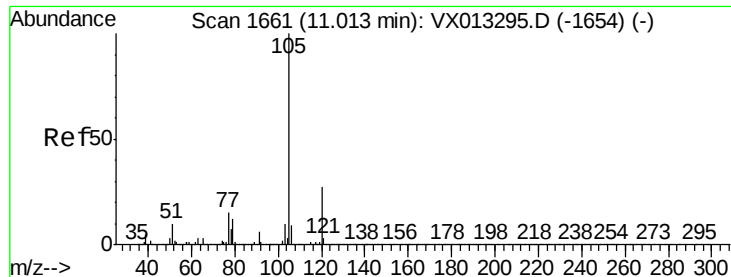


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.568 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

Instrument :

MSVOA_X

ClientSampleId :

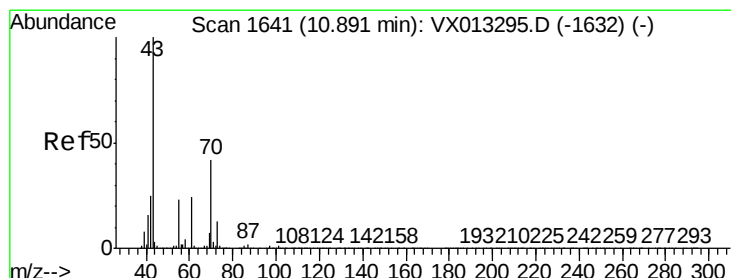
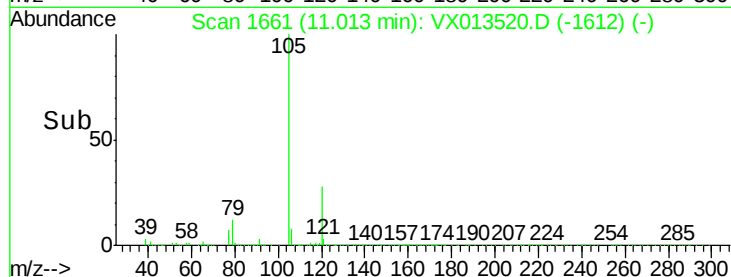
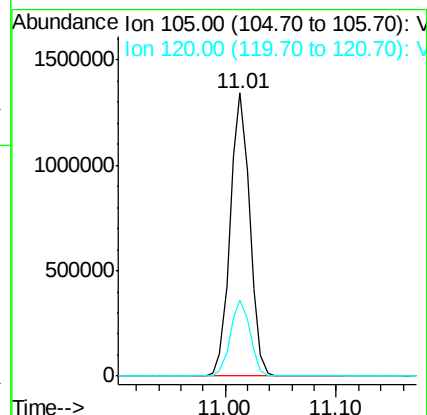
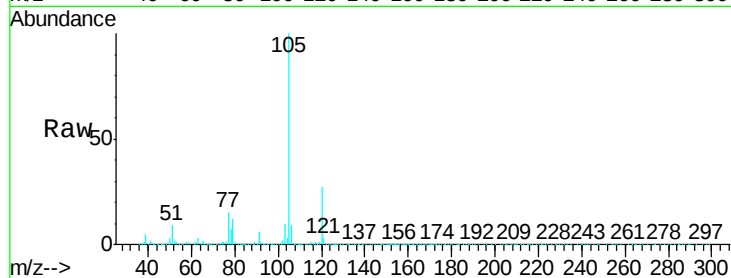
VSTDCCC050

Tgt Ion: 105 Resp: 1626453

Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.5



#74

N-ethyl acetate

Concen: 54.135 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

Tgt Ion: 43 Resp: 762217

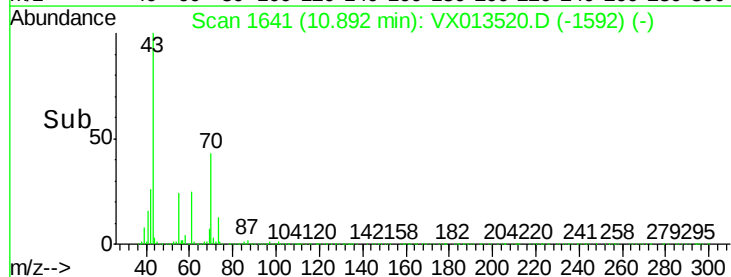
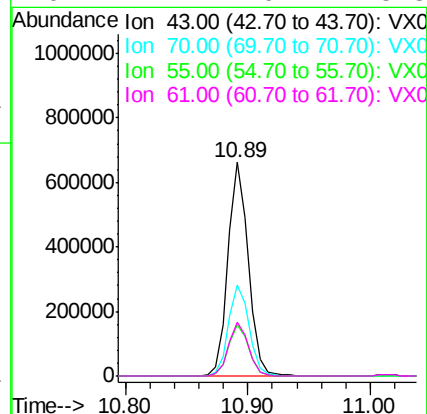
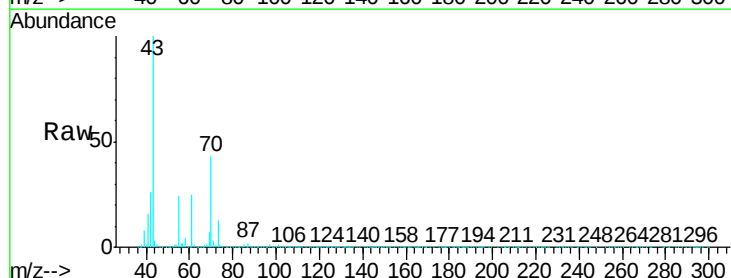
Ion Ratio Lower Upper

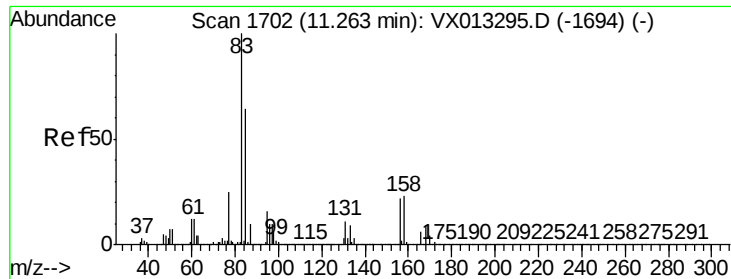
43 100

70 43.2 34.1 51.1

55 24.3 18.9 28.3

61 24.7 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 52.069 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

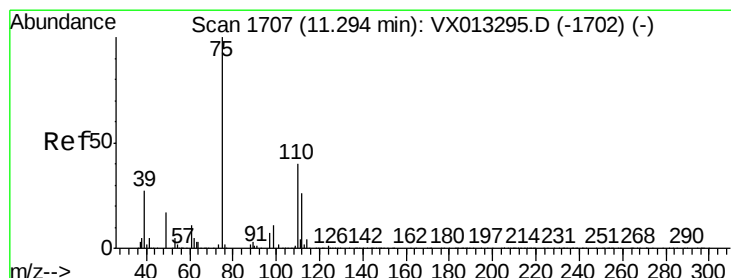
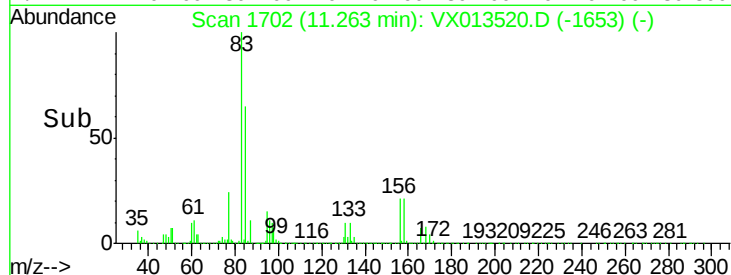
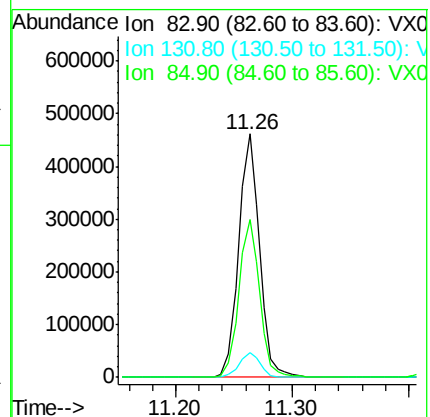
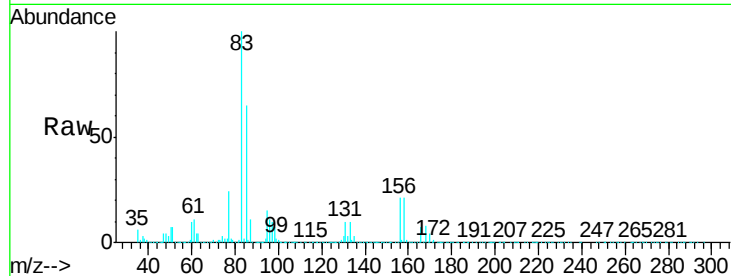
Tgt Ion: 83 Resp: 576749

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.3

85 64.6 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 70.378 ug/l

RT: 11.29 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX013520.D

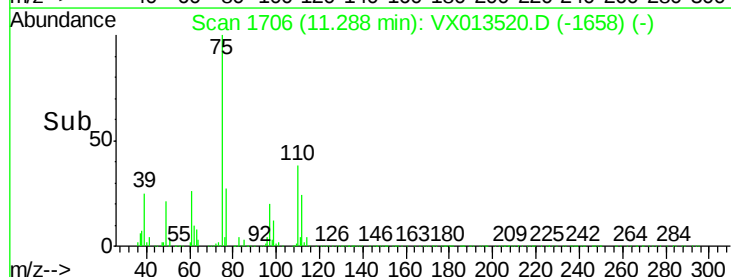
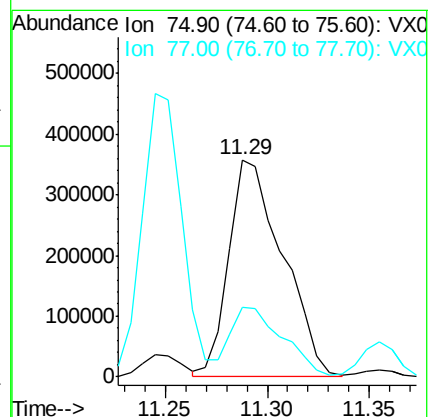
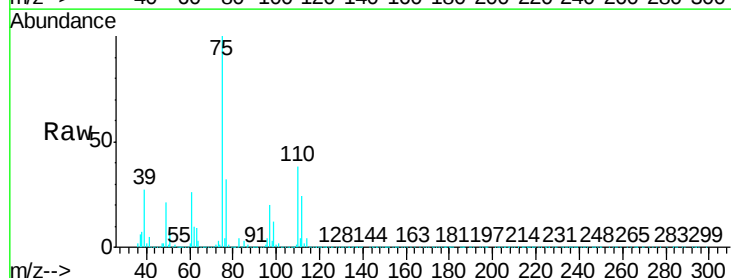
Acq: 22 Nov 2019 09:27

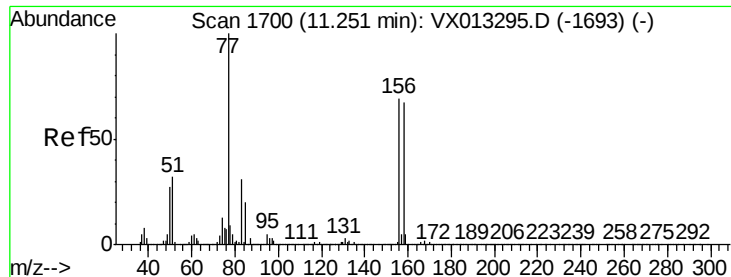
Tgt Ion: 75 Resp: 654622

Ion Ratio Lower Upper

75 100

77 30.7 22.3 66.8





#77

Bromobenzene

Concen: 52.442 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

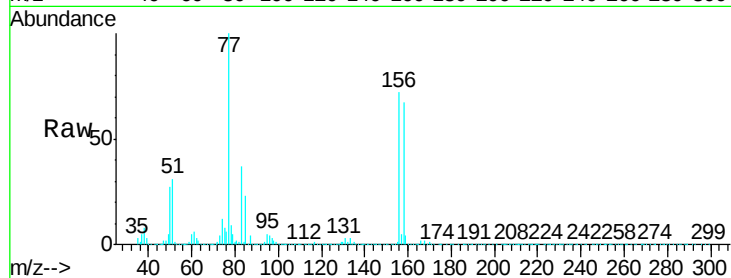
Tgt Ion:156 Resp: 424479

Ion Ratio Lower Upper

156 100

77 150.4 75.8 227.4

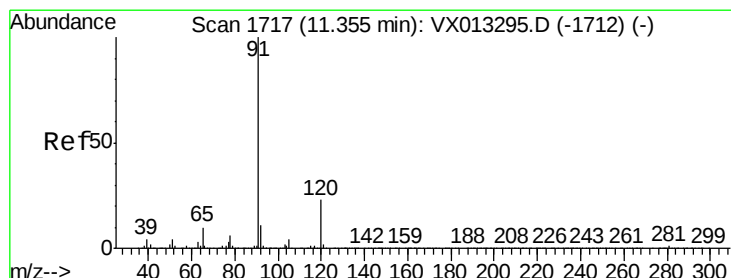
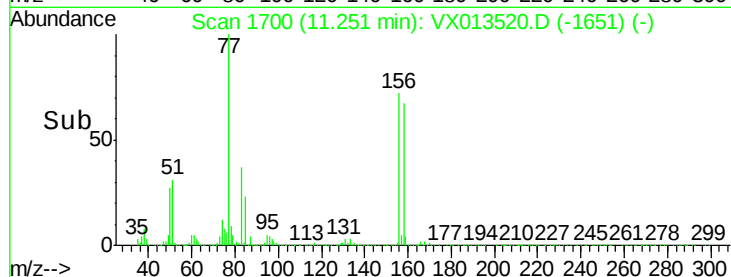
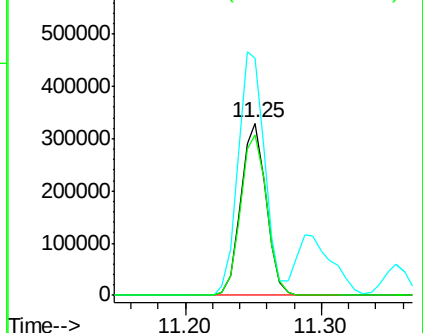
158 96.8 47.6 142.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.006 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013520.D

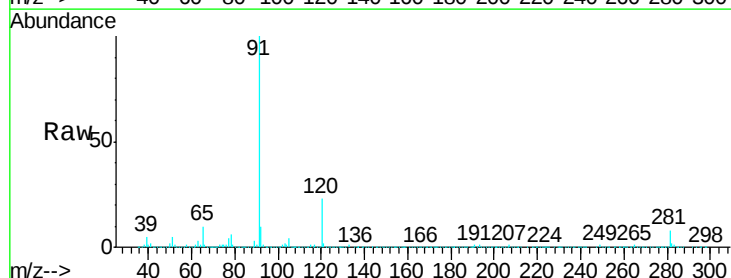
Acq: 22 Nov 2019 09:27

Tgt Ion: 91 Resp: 1860420

Ion Ratio Lower Upper

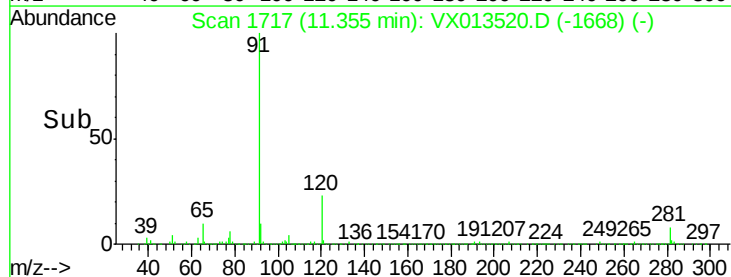
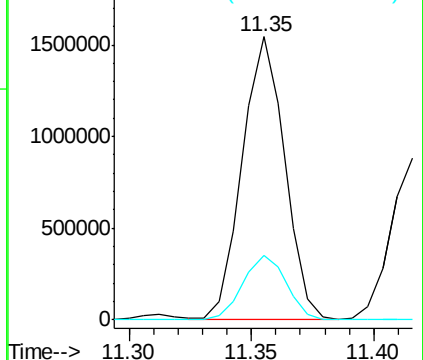
91 100

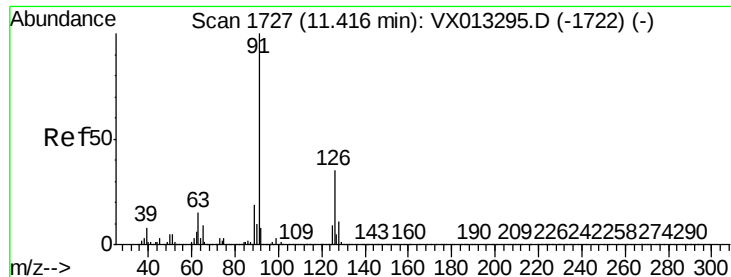
120 23.5 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.067 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

Instrument :

MSVOA_X

ClientSampleId :

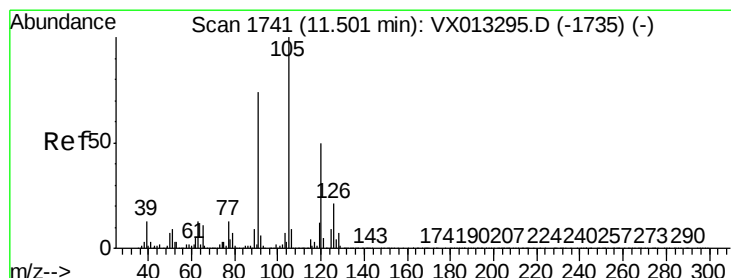
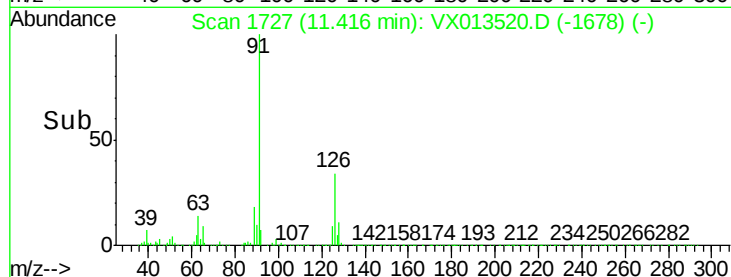
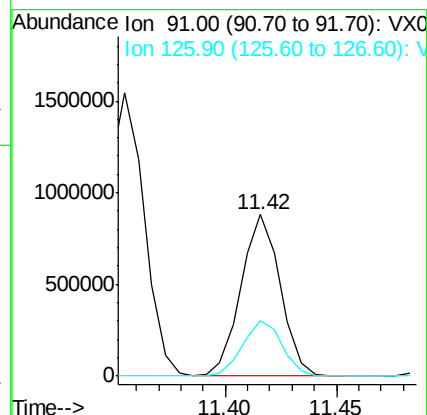
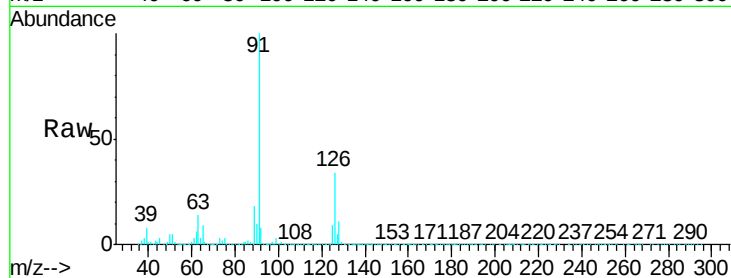
VSTDCCC050

Tgt Ion: 91 Resp: 1081385

Ion Ratio Lower Upper

91 100

126 34.7 17.3 52.0



#80

1,3,5-Trimethylbenzene

Concen: 53.756 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013520.D

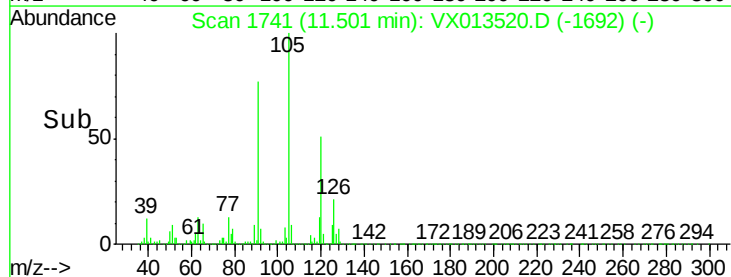
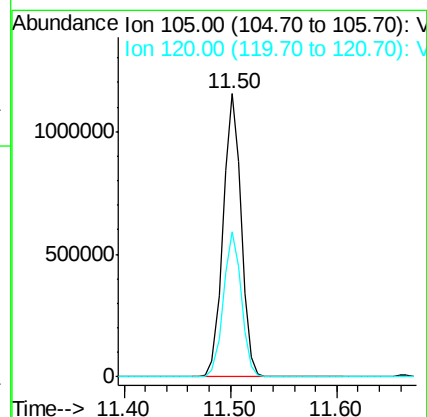
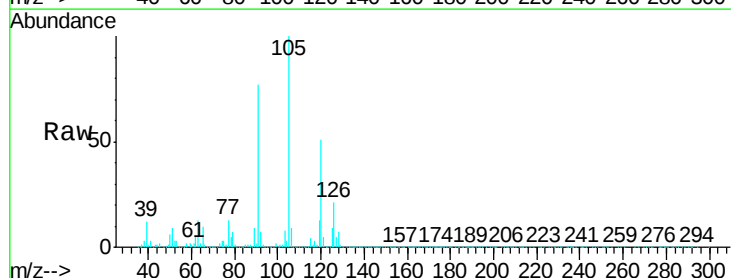
Acq: 22 Nov 2019 09:27

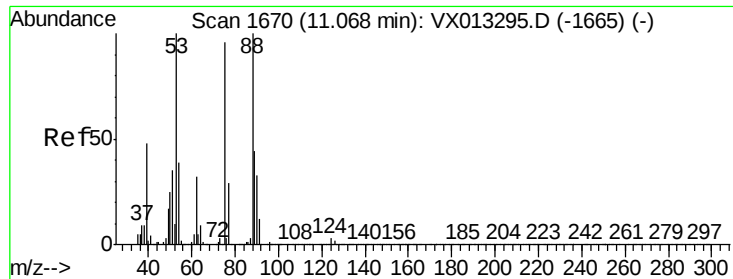
Tgt Ion: 105 Resp: 1359512

Ion Ratio Lower Upper

105 100

120 50.9 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 53.746 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

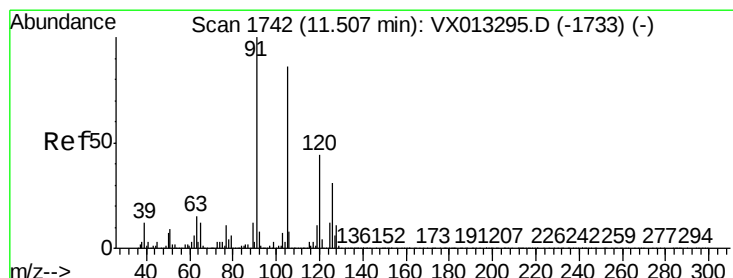
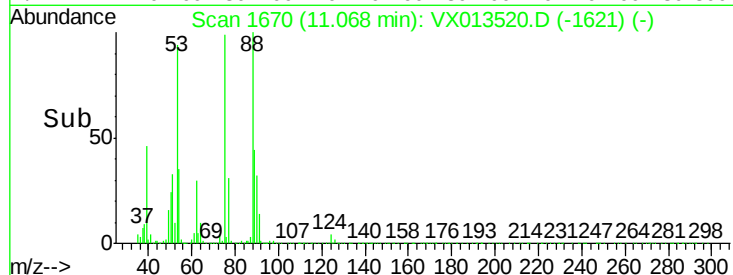
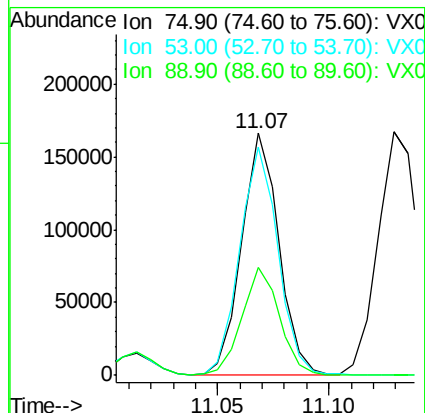
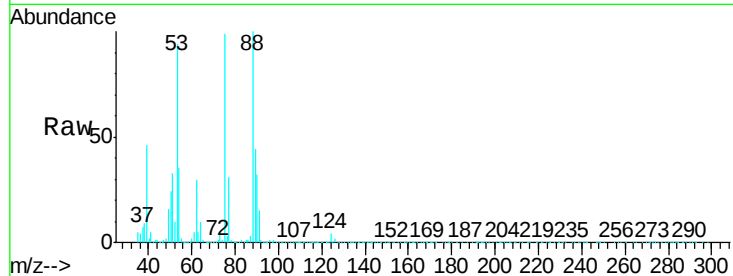
Tgt Ion: 75 Resp: 194219

Ion Ratio Lower Upper

75 100

53 97.6 81.0 121.6

89 45.3 36.0 54.0



#82

4-Chlorotoluene

Concen: 52.265 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX013520.D

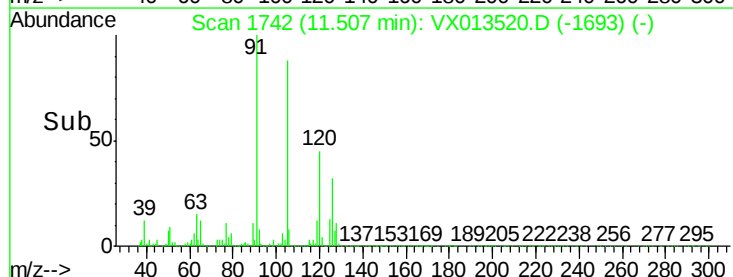
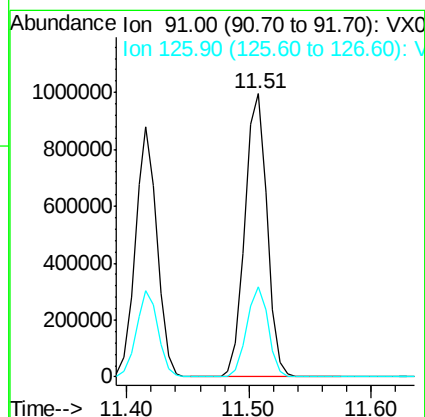
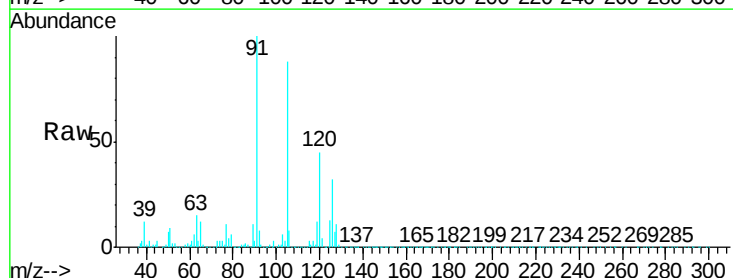
Acq: 22 Nov 2019 09:27

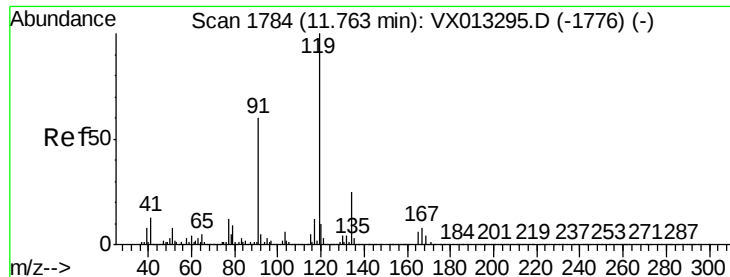
Tgt Ion: 91 Resp: 1246725

Ion Ratio Lower Upper

91 100

126 31.0 15.3 45.8

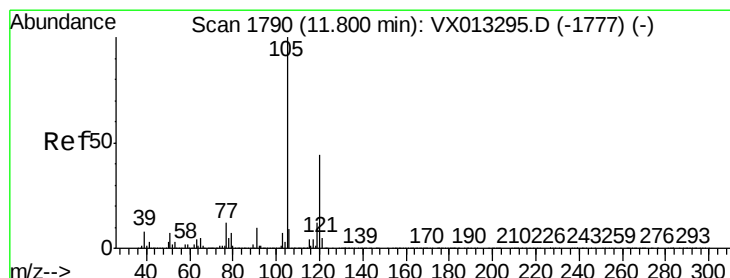
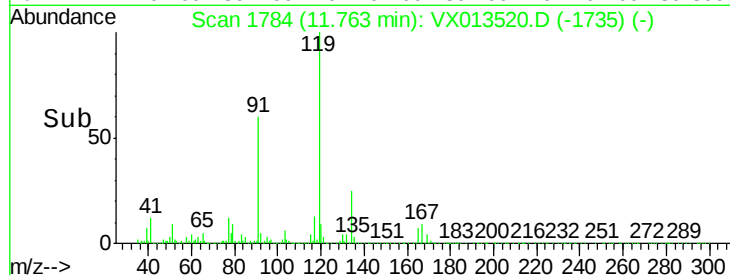
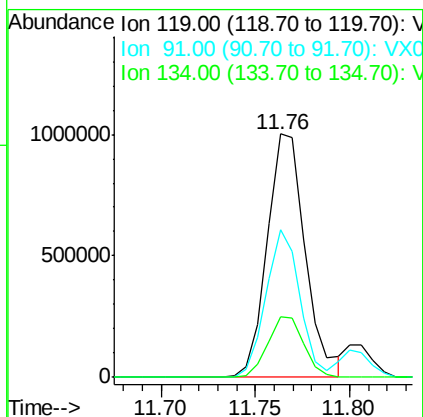
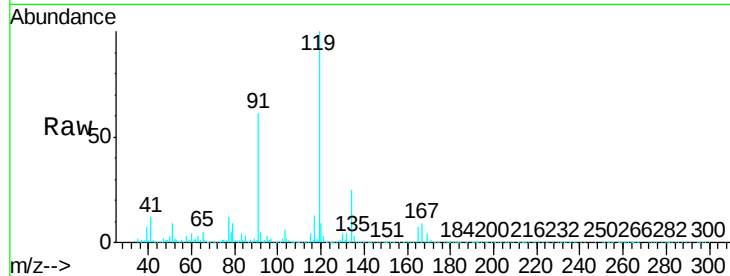




#83
 tert-Butylbenzene
 Concen: 55.225 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: VX013520.D
 Acq: 22 Nov 2019 09:27

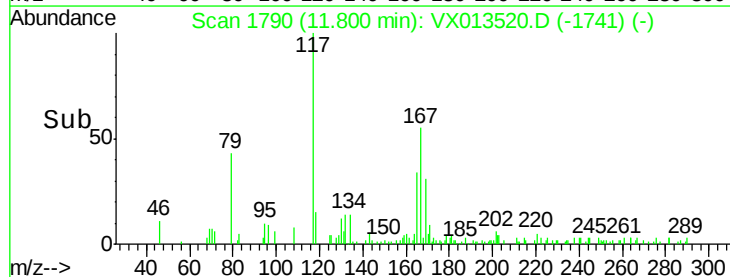
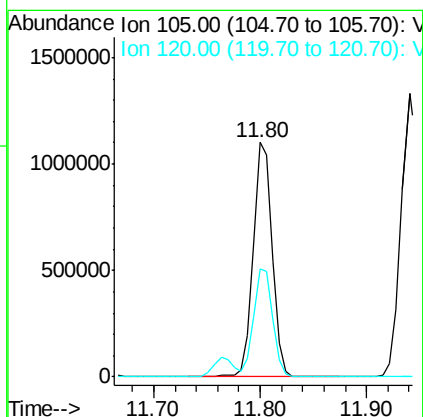
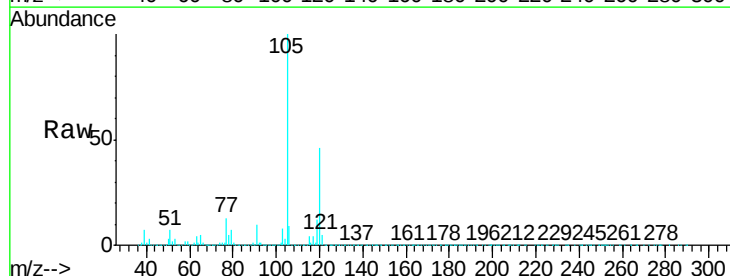
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

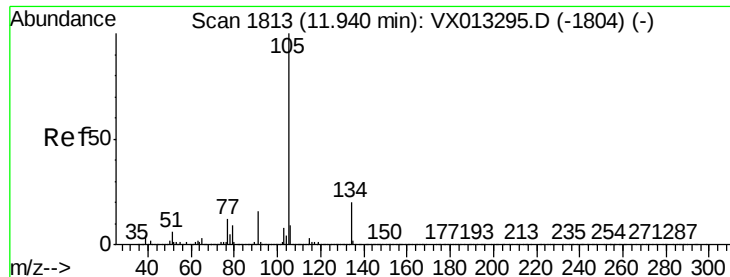
Tgt Ion:119 Resp: 1405930
 Ion Ratio Lower Upper
 119 100
 91 54.0 26.9 80.7
 134 23.6 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 54.342 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX013520.D
 Acq: 22 Nov 2019 09:27

Tgt Ion:105 Resp: 1378645
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.7 68.1





#85

sec-Butylbenzene

Concen: 55.155 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

Instrument :

MSVOA_X

ClientSampleId :

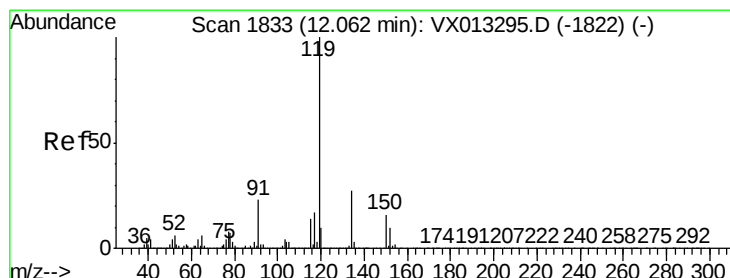
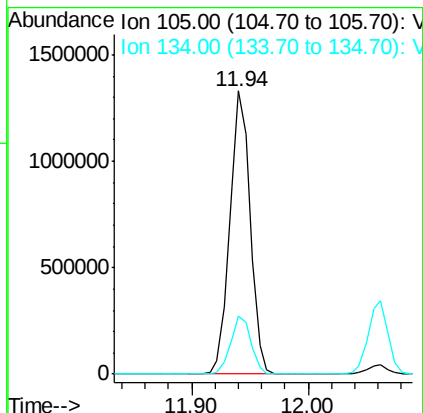
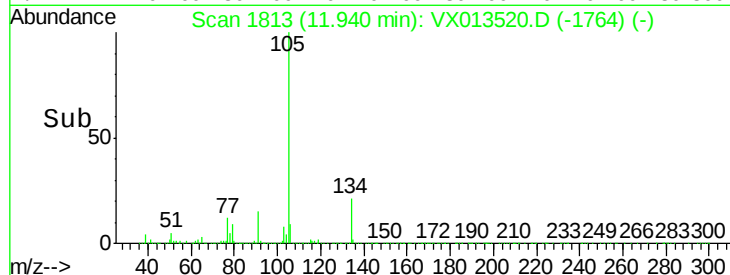
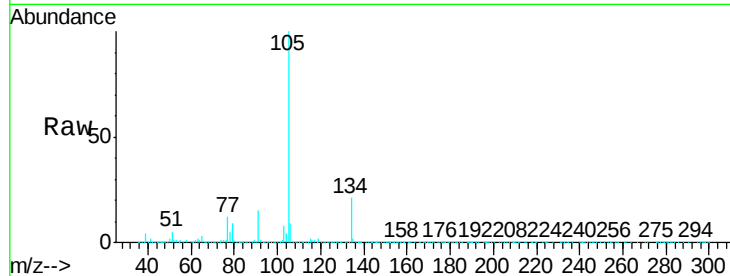
VSTDCCC050

Tgt Ion:105 Resp: 1613802

Ion Ratio Lower Upper

105 100

134 20.6 10.3 30.9



#86

p-Isopropyltoluene

Concen: 55.221 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

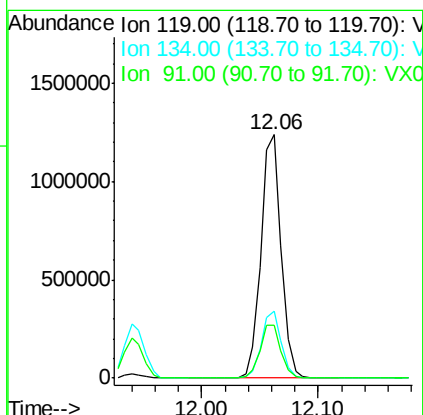
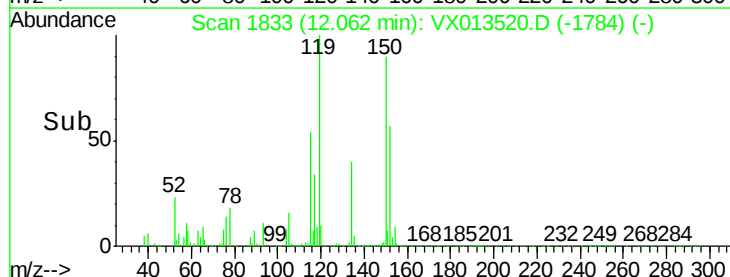
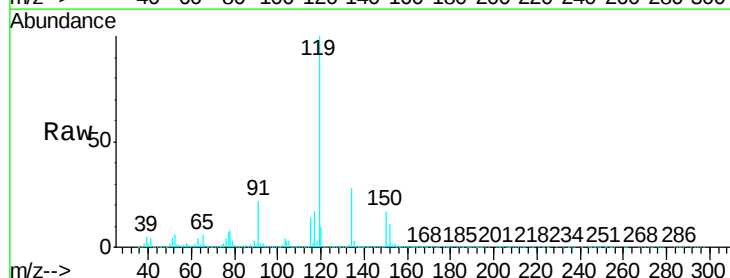
Tgt Ion:119 Resp: 1487797

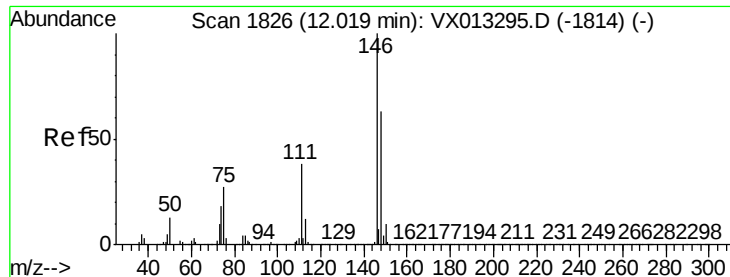
Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.8

91 22.5 11.5 34.4

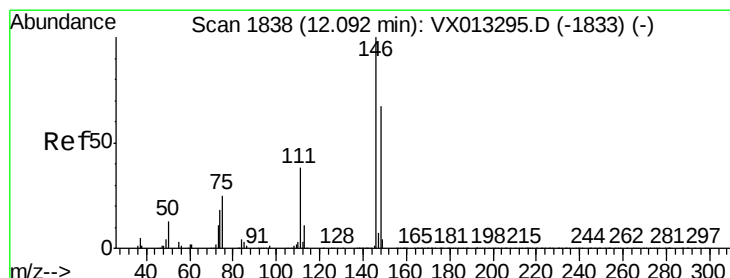
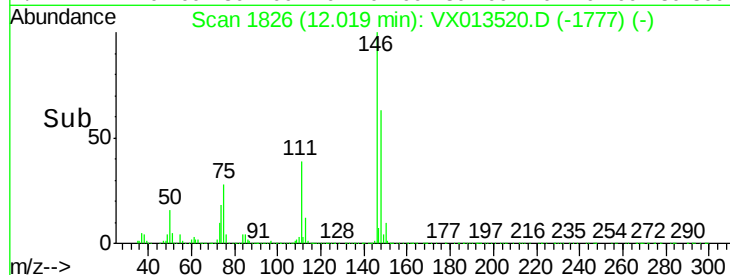
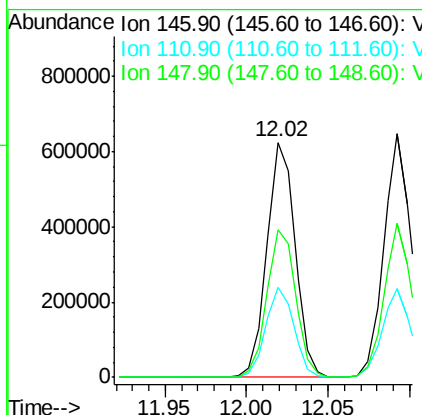
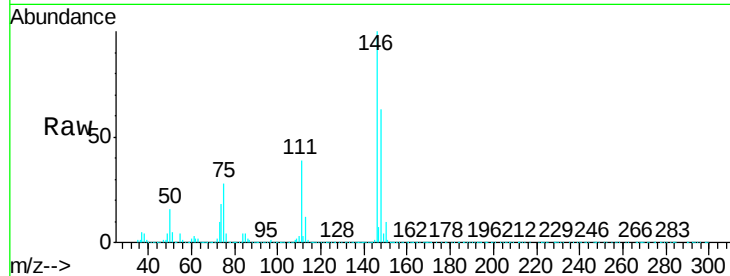




#87
 1,3-Dichlorobenzene
 Concen: 52.232 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX013520.D
 Acq: 22 Nov 2019 09:27

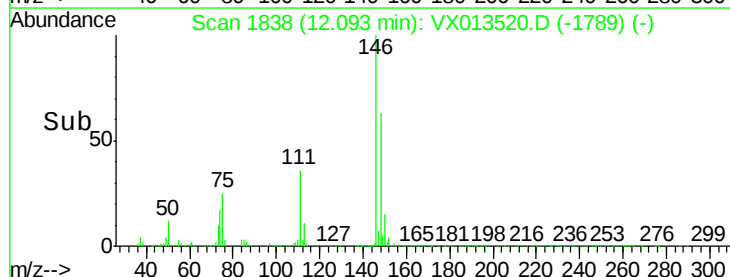
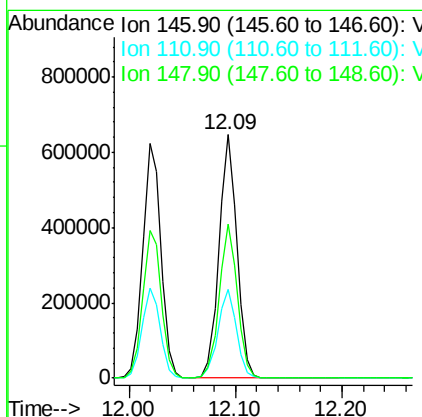
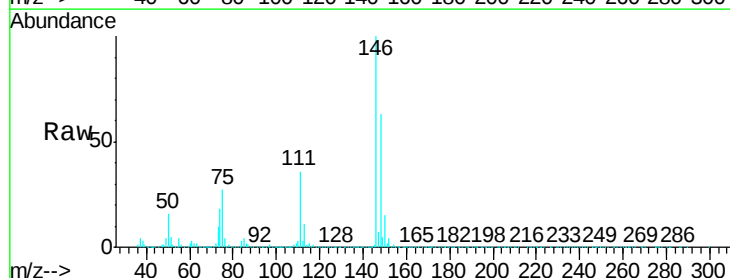
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

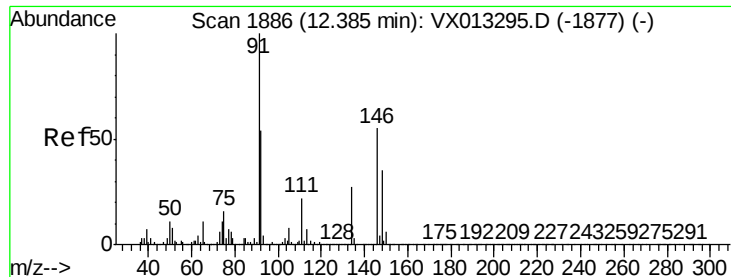
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.9	56.5
148	63.6	31.9	95.7



#88
 1,4-Dichlorobenzene
 Concen: 51.597 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX013520.D
 Acq: 22 Nov 2019 09:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.8	56.4
148	63.7	32.4	97.0





#89

n-Butylbenzene

Concen: 55.422 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX013520.D

Acq: 22 Nov 2019 09:27

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

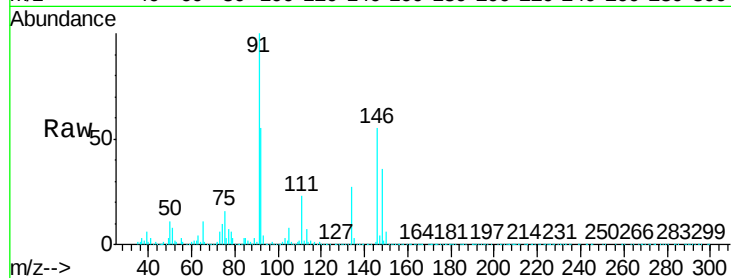
Tgt Ion: 91 Resp: 1302937

Ion Ratio Lower Upper

91 100

92 55.4 27.3 81.8

134 27.2 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VX013295.D (-1877) (-)

Ion 92.00 (91.70 to 92.70): VX013295.D (-1877) (-)

Ion 134.00 (133.70 to 134.70): VX013295.D (-1877) (-)

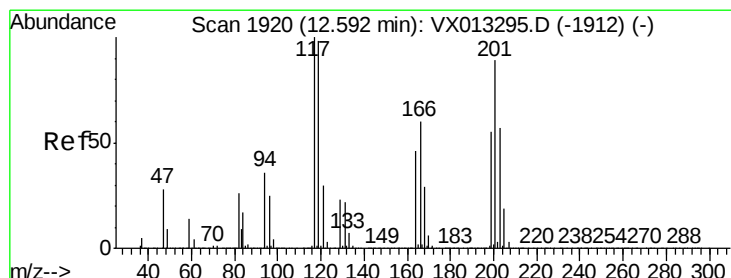
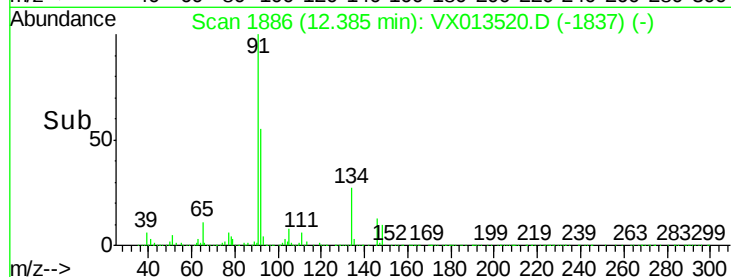
12.39

1000000

500000

0

Time-->



#90

Hexachloroethane

Concen: 55.212 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX013520.D

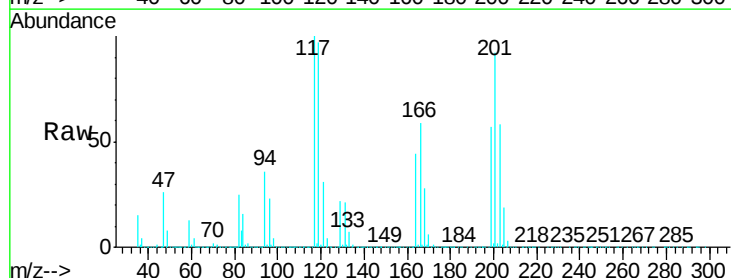
Acq: 22 Nov 2019 09:27

Tgt Ion: 117 Resp: 265040

Ion Ratio Lower Upper

117 100

201 90.3 43.9 131.7



Abundance Ion 116.80 (116.50 to 117.50): VX013295.D (-1912) (-)

Ion 200.70 (200.40 to 201.40): VX013295.D (-1912) (-)

12.59

250000

200000

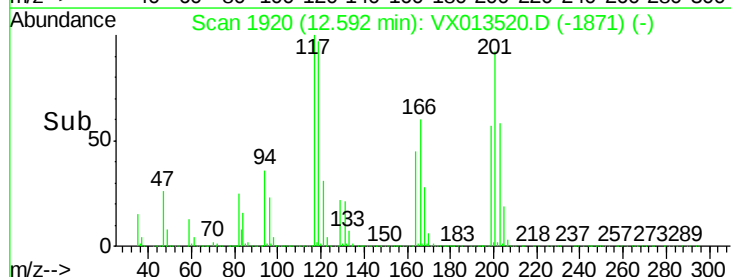
150000

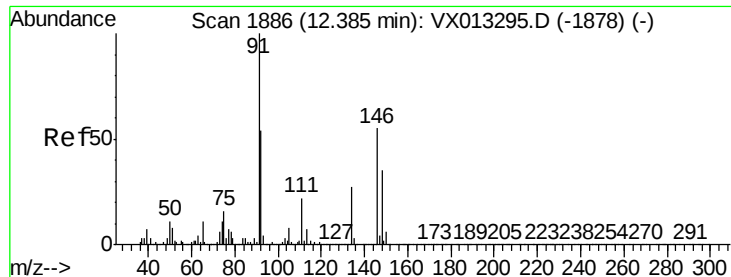
100000

50000

0

Time-->

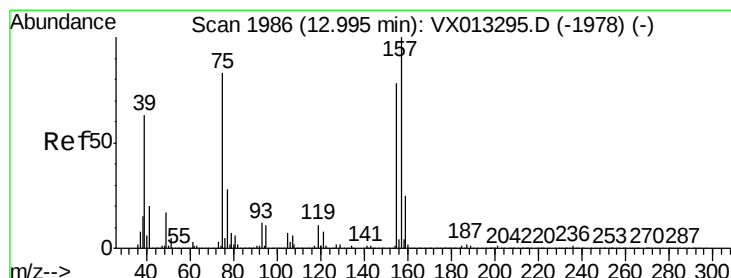
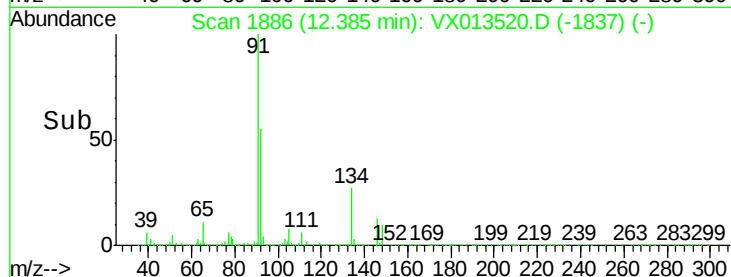
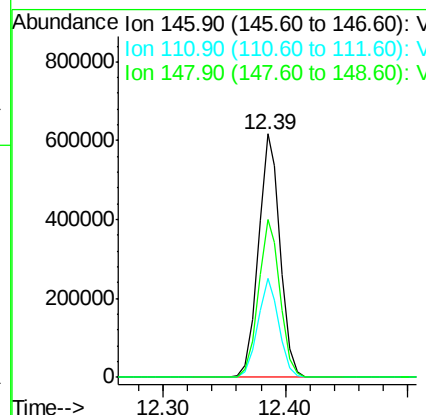
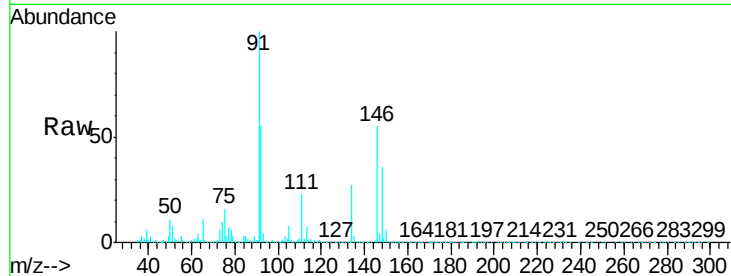




#91
 1,2-Dichlorobenzene
 Concen: 53.043 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX013520.D
 Acq: 22 Nov 2019 09:27

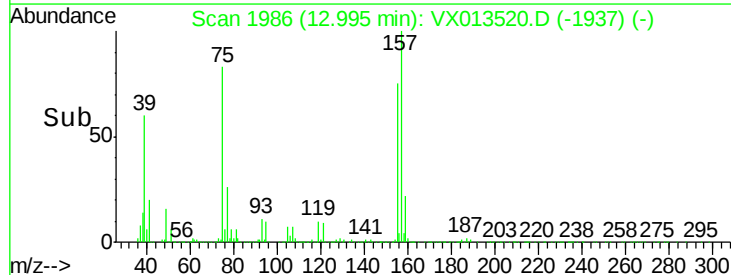
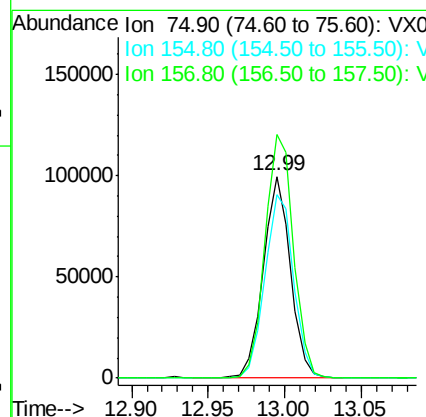
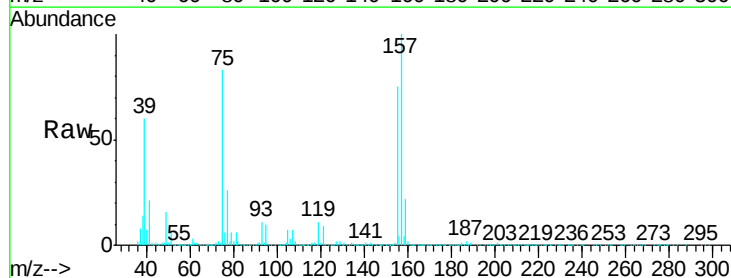
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

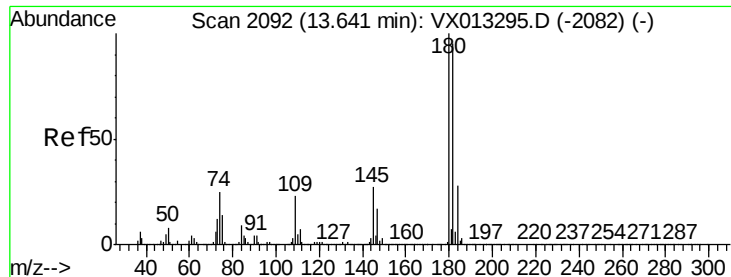
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.1	60.2
148	64.4	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.983 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX013520.D
 Acq: 22 Nov 2019 09:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.7	47.1	141.4
157	126.4	61.3	183.8

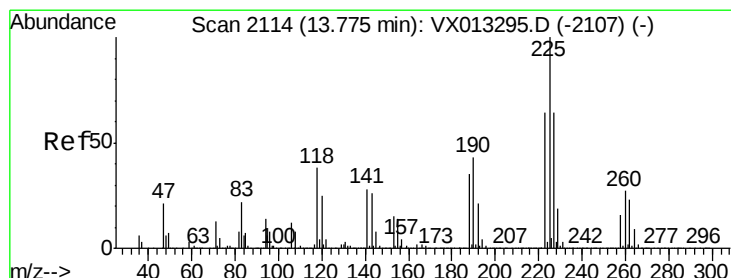
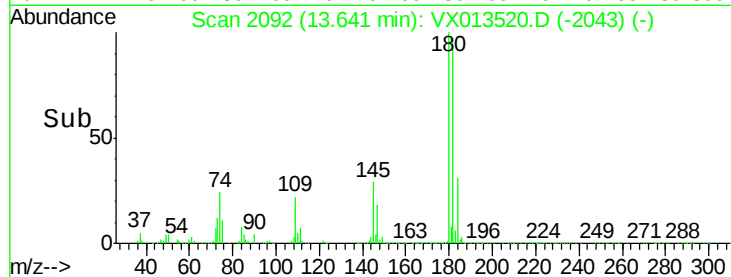
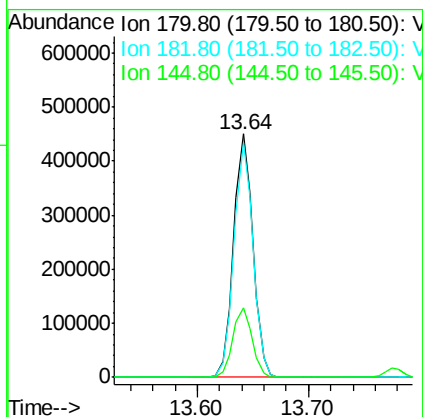
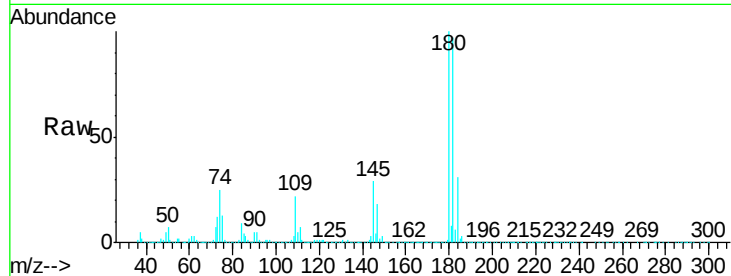




#93
 1,2,4-Trichlorobenzene
 Concen: 53.718 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX013520.D
 Acq: 22 Nov 2019 09:27

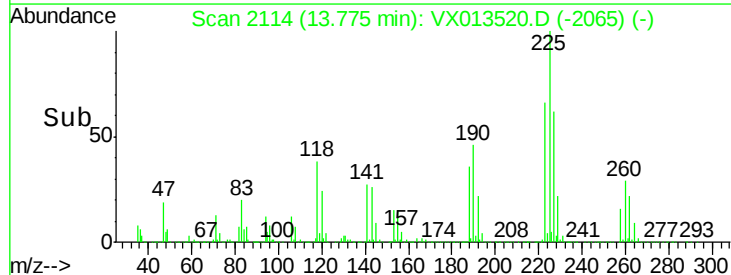
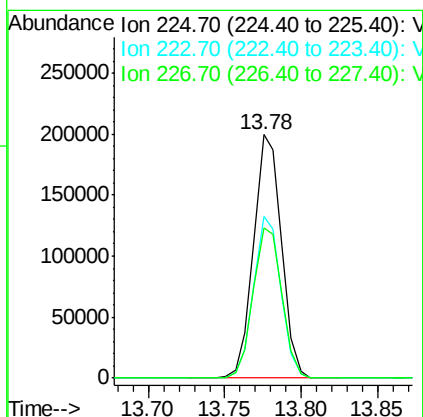
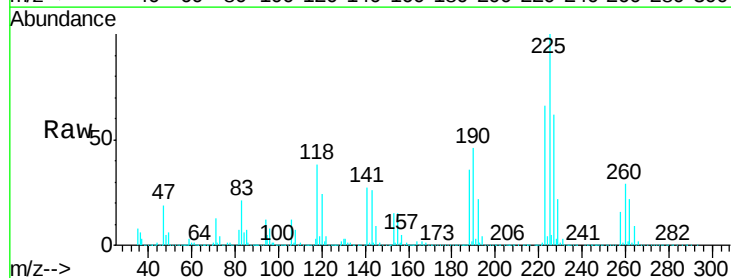
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

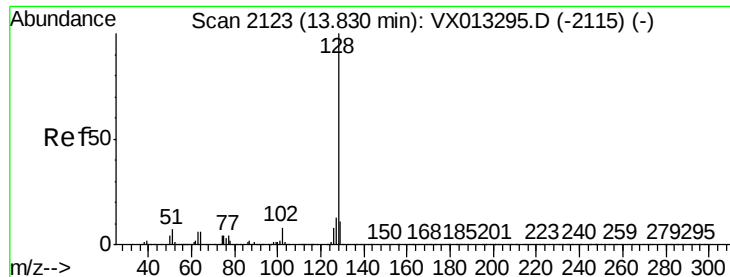
Tgt Ion:180 Resp: 540418
 Ion Ratio Lower Upper
 180 100
 182 95.8 48.4 145.0
 145 28.5 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 51.413 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX013520.D
 Acq: 22 Nov 2019 09:27

Tgt Ion:225 Resp: 253046
 Ion Ratio Lower Upper
 225 100
 223 65.3 31.9 95.7
 227 63.8 31.9 95.9

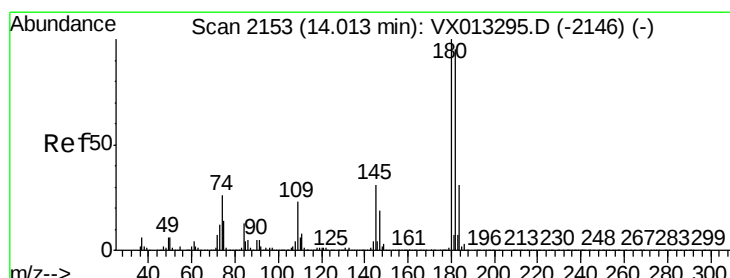
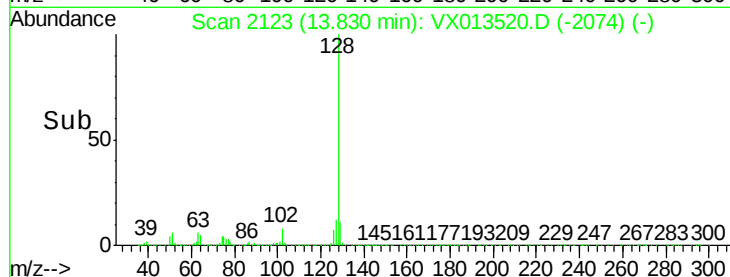
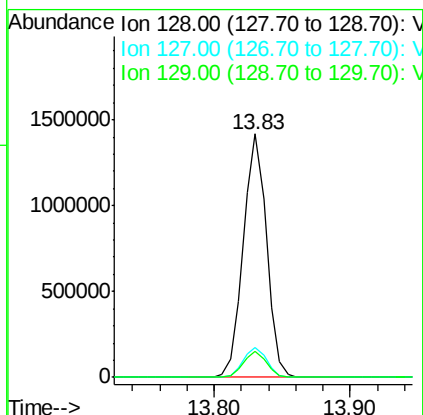
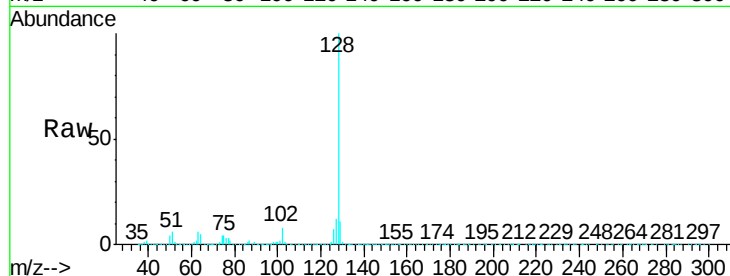




#95
Naphthalene
Concen: 53.601 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013520.D
Acq: 22 Nov 2019 09:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 1691871
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.2
129 10.7 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 53.894 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. 0.01 min
Lab File: VX013520.D
Acq: 22 Nov 2019 09:27

Tgt Ion:180 Resp: 543749
Ion Ratio Lower Upper
180 100
182 95.5 48.0 144.2
145 29.7 15.4 46.4

