

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112719\
 Data File : VX013641.D
 Acq On : 27 Nov 2019 10:22
 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 28 00:18:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	667117	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1000150	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	903432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	454232	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	360220	46.52	ug/l	0.00
Spiked Amount			Recovery	=	93.04%	
35) Dibromofluoromethane	5.48	113	291980	47.22	ug/l	0.00
Spiked Amount			Recovery	=	94.44%	
50) Toluene-d8	8.71	98	1119468	46.47	ug/l	0.00
Spiked Amount			Recovery	=	92.94%	
62) 4-Bromofluorobenzene	11.14	95	406741	46.82	ug/l	0.00
Spiked Amount			Recovery	=	93.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	379738	51.140	ug/l	98
3) Chloromethane	1.32	50	397143	47.666	ug/l	99
4) Vinyl Chloride	1.40	62	458254	48.867	ug/l	100
5) Bromomethane	1.63	94	283739	45.054	ug/l	100
6) Chloroethane	1.71	64	246012	46.101	ug/l	97
7) Trichlorofluoromethane	1.92	101	492031	47.252	ug/l	99
8) Diethyl Ether	2.18	74	232705	49.397	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	306269	48.152	ug/l	98
10) Methyl Iodide	2.50	142	384158	49.930	ug/l	100
11) Tert butyl alcohol	3.03	59	387179	202.563	ug/l	100
12) 1,1-Dichloroethene	2.36	96	302272	47.611	ug/l	97
13) Acrolein	2.28	56	285136	223.707	ug/l	99
14) Allyl chloride	2.72	41	550583	47.788	ug/l	99
15) Acrylonitrile	3.13	53	938366	237.834	ug/l	100
16) Acetone	2.43	43	1073036	280.666	ug/l	100
17) Carbon Disulfide	2.56	76	836419	46.215	ug/l	99
18) Methyl Acetate	2.76	43	525931	49.401	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	1051578	49.999	ug/l	99
20) Methylene Chloride	2.84	84	346432	47.166	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	329660	47.664	ug/l	99
22) Diisopropyl ether	3.84	45	1095043	49.360	ug/l	97
23) Vinyl Acetate	3.80	43	4620452	250.356	ug/l	100
24) 1,1-Dichloroethane	3.69	63	583605	48.122	ug/l	98
25) 2-Butanone	4.65	43	1461649	257.244	ug/l	100
26) 2,2-Dichloropropane	4.57	77	482544	48.090	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	377244	47.496	ug/l	99
28) Bromochloromethane	5.00	49	238336	49.730	ug/l	99
29) Tetrahydrofuran	5.11	42	842213	240.443	ug/l	99
30) Chloroform	5.20	83	573067	46.593	ug/l	99
31) Cyclohexane	5.56	56	540723	47.271	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	489719	47.647	ug/l	99
36) 1,1-Dichloropropene	5.79	75	439904	48.454	ug/l	100
37) Ethyl Acetate	4.81	43	509237	49.998	ug/l	100
38) Carbon Tetrachloride	5.77	117	422394	50.456	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	565123	50.357	ug/l	99
40) Benzene	6.13	78	1334372	48.257	ug/l	98
41) Methacrylonitrile	5.03	41	291156	52.125	ug/l	99
42) 1,2-Dichloroethane	6.18	62	474730	50.341	ug/l	100
43) Isopropyl Acetate	6.43	43	833093	49.684	ug/l	99
44) Trichloroethene	7.20	130	368544	48.564	ug/l	99
45) 1,2-Dichloropropane	7.51	63	352828	51.000	ug/l	99
46) Dibromomethane	7.65	93	235101	50.035	ug/l	99
47) Bromodichloromethane	7.89	83	455442	51.273	ug/l	96
48) Methyl methacrylate	7.76	41	421055	51.682	ug/l	99
49) 1,4-Dioxane	7.73	88	157599	864.201	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	2594067	245.944	ug/l	100
52) Toluene	8.78	92	849757	49.468	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	518143	51.247	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	571980	51.781	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	351555	50.785	ug/l	99
56) Ethyl methacrylate	9.17	69	573688	51.547	ug/l	99
57) 1,3-Dichloropropane	9.37	76	591985	49.613	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	1079978	247.498	ug/l	99
59) 2-Hexanone	9.48	43	2080034	252.855	ug/l	99
60) Dibromochloromethane	9.57	129	370790	51.613	ug/l	99
61) 1,2-Dibromoethane	9.67	107	365415	49.424	ug/l	100
64) Tetrachloroethene	9.33	164	344315	51.106	ug/l	98
65) Chlorobenzene	10.14	112	908676	48.444	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	342903	50.910	ug/l	99
67) Ethyl Benzene	10.25	91	1622987	50.353	ug/l	100
68) m/p-Xylenes	10.35	106	1235502	100.120	ug/l	100
69) o-Xylene	10.70	106	600138	49.865	ug/l	99
70) Styrene	10.71	104	1036389	51.191	ug/l	100
71) Bromoform	10.85	173	293016	52.577	ug/l #	100
73) Isopropylbenzene	11.01	105	1586184	49.782	ug/l	100
74) N-amyl acetate	10.89	43	742481	50.869	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	544523	49.279	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	631593	61.821	ug/l	87
77) Bromobenzene	11.25	156	420625	48.866	ug/l	99
78) n-propylbenzene	11.35	91	1809401	50.871	ug/l	100
79) 2-Chlorotoluene	11.42	91	1053927	49.395	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1337896	51.232	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	191330	51.235	ug/l	98
82) 4-Chlorotoluene	11.51	91	1223707	49.518	ug/l	100
83) tert-Butylbenzene	11.76	119	1322350	49.825	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	1344152	50.716	ug/l	100
85) sec-Butylbenzene	11.94	105	1541872	50.863	ug/l	100
86) p-Isopropyltoluene	12.06	119	1440889	51.093	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	747584	49.823	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	738923	48.348	ug/l	99
89) n-Butylbenzene	12.39	91	1275523	53.030	ug/l	100
90) Hexachloroethane	12.59	117	253738	49.778	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	735103	49.584	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	116844	48.558	ug/l	98

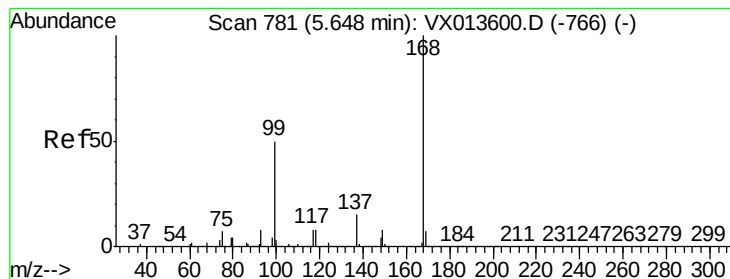
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112719\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	532463	51.534	ug/l	99
94) Hexachlorobutadiene	13.78	225	248589	50.085	ug/l	99
95) Naphthalene	13.83	128	1589636	51.662	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	521425	50.970	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

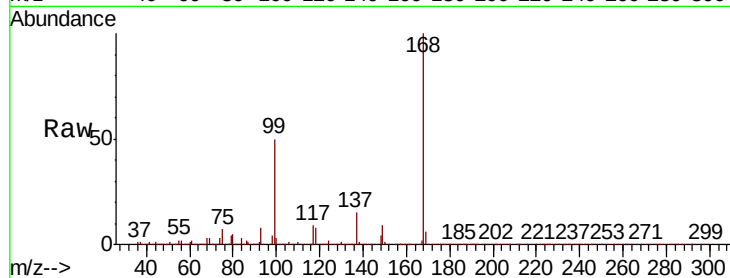
VSTDCCC050

Tot Ion:168 Resp: 667117

Ion Ratio Lower Upper

168 100

99 49.6 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

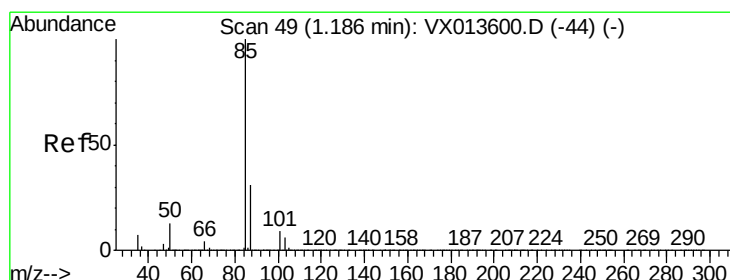
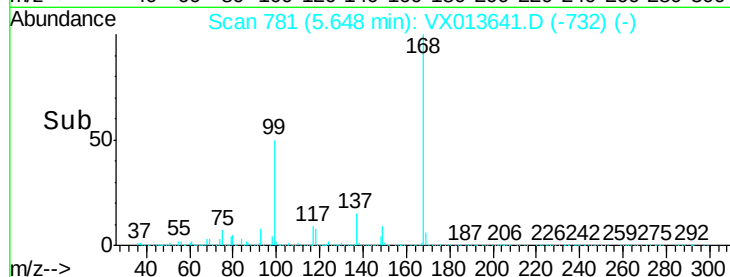
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.140 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX013641.D

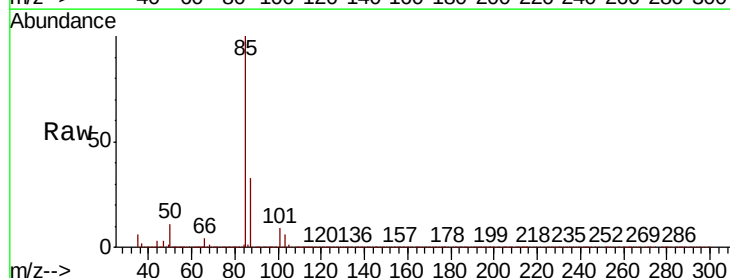
Acq: 27 Nov 2019 10:22

Tgt Ion: 85 Resp: 379738

Ion Ratio Lower Upper

85 100

87 32.6 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

400000

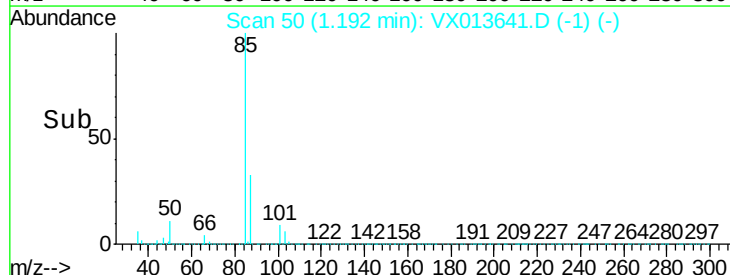
300000

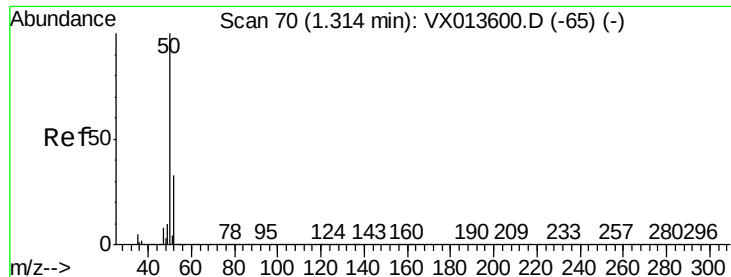
200000

100000

0

Time-->





#3

Chloromethane

Concen: 47.666 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

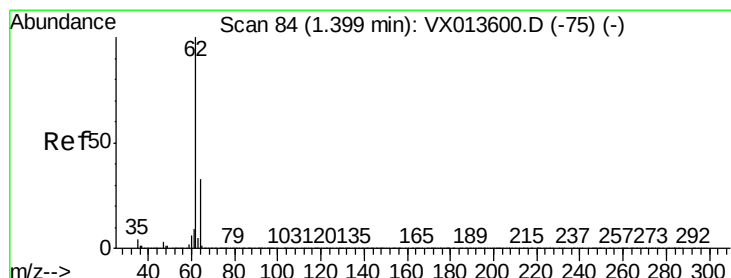
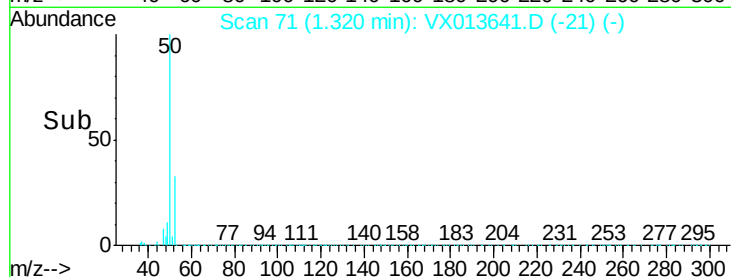
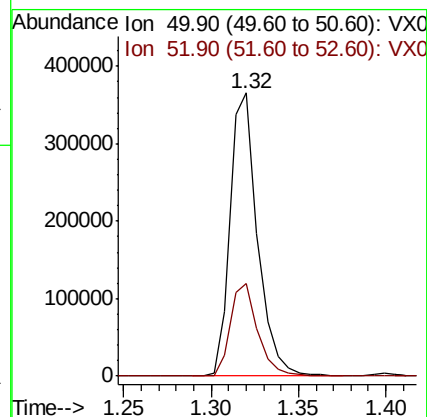
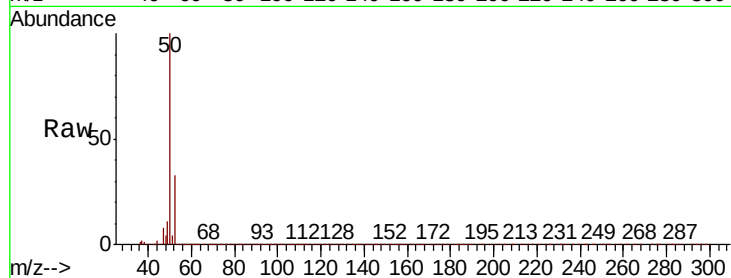
VSTDCCC050

Tot Ion: 50 Resp: 397143

Ion Ratio Lower Upper

50 100

52 32.9 26.0 39.0



#4

Vinyl Chloride

Concen: 48.867 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013641.D

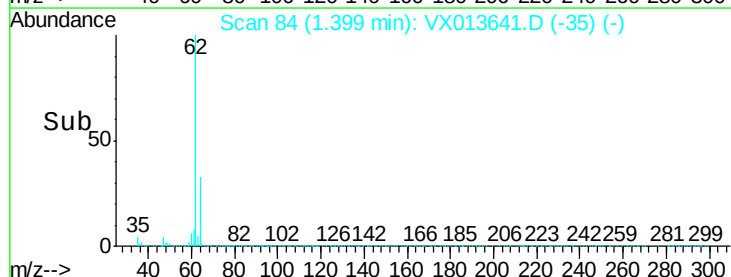
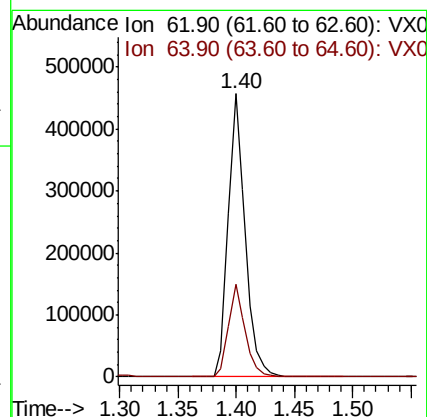
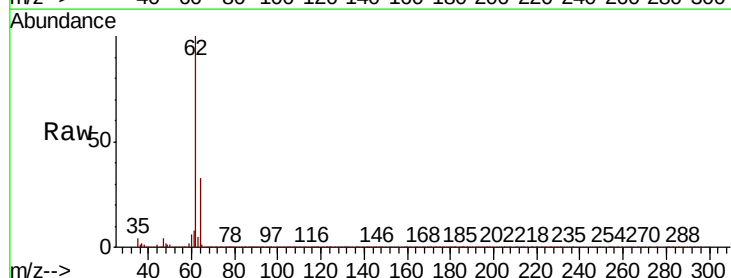
Acq: 27 Nov 2019 10:22

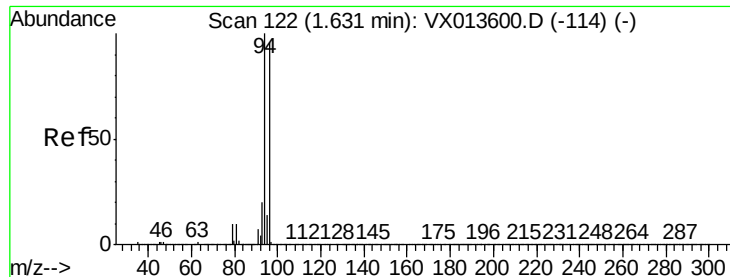
Tgt Ion: 62 Resp: 458254

Ion Ratio Lower Upper

62 100

64 32.5 26.0 39.0





#5

Bromomethane

Concen: 45.054 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

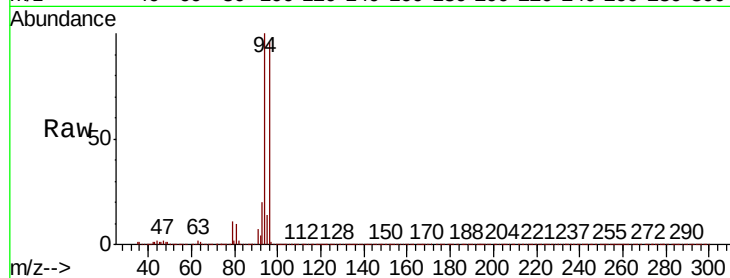
VSTDCCC050

Tot Ion: 94 Resp: 283739

Ion Ratio Lower Upper

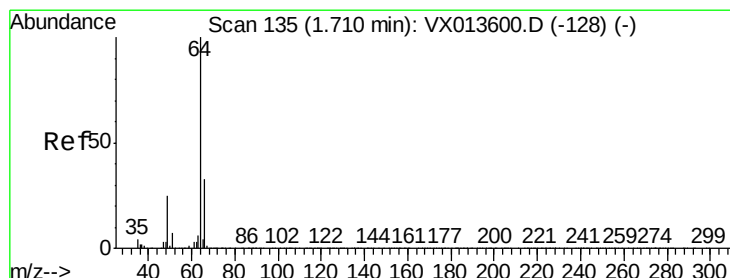
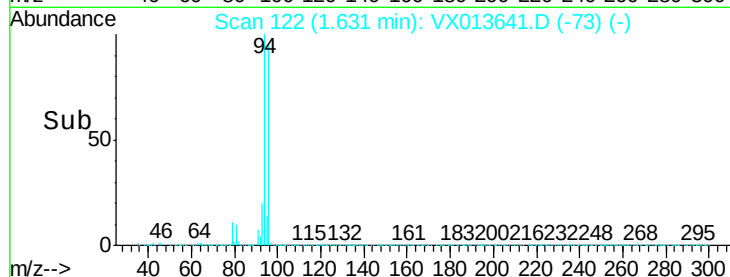
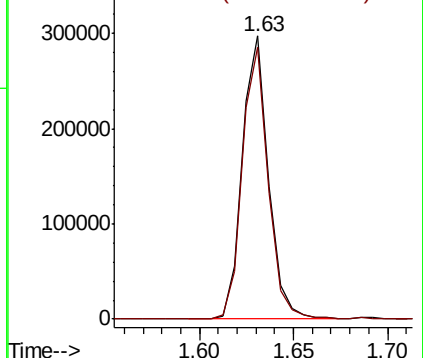
94 100

96 96.0 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 46.101 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX013641.D

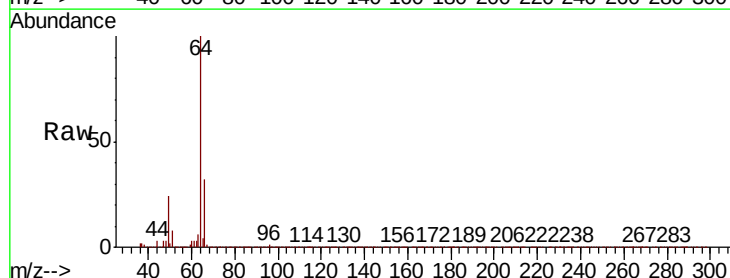
Acq: 27 Nov 2019 10:22

Tgt Ion: 64 Resp: 246012

Ion Ratio Lower Upper

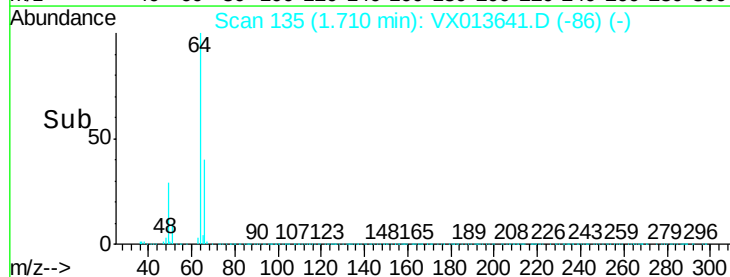
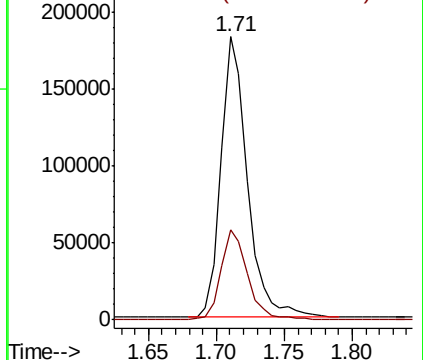
64 100

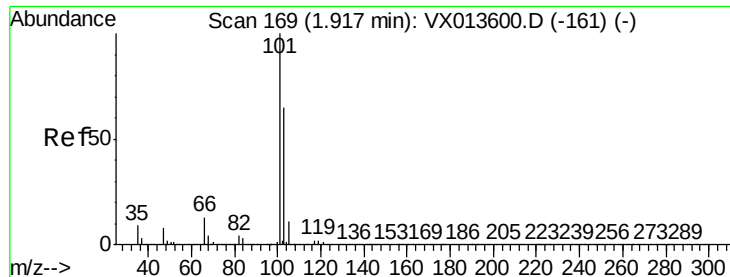
66 31.8 26.7 40.1



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



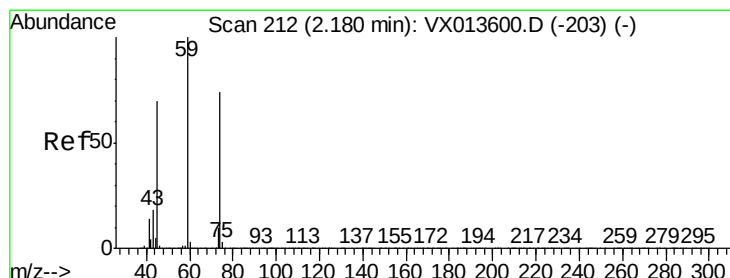
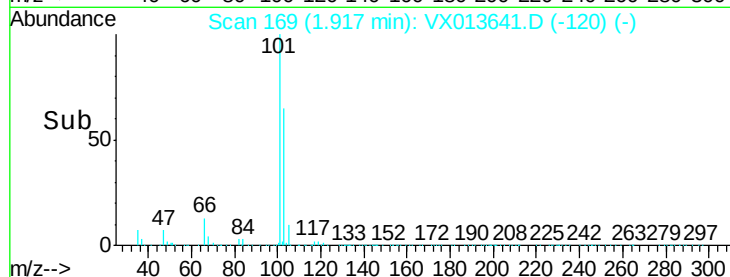
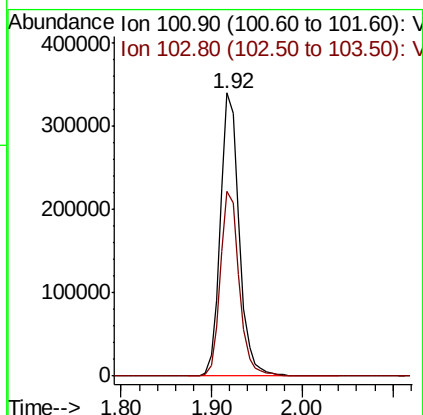
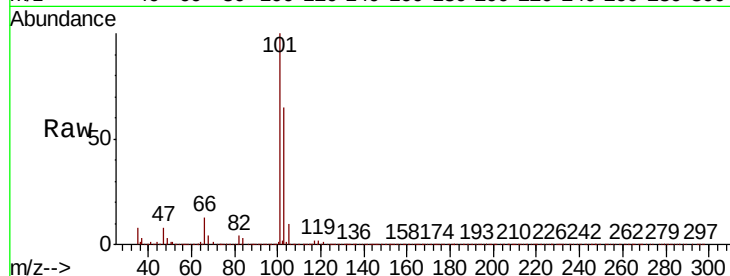


#7

Trichlorofluoromethane
Concen: 47.252 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

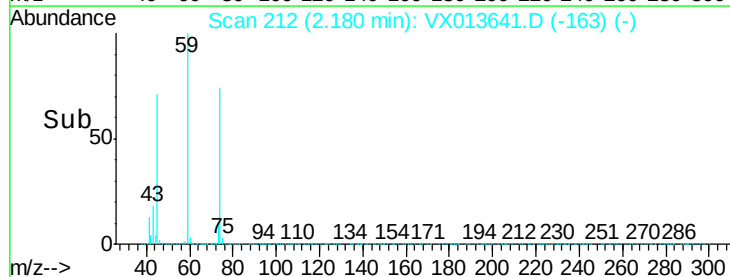
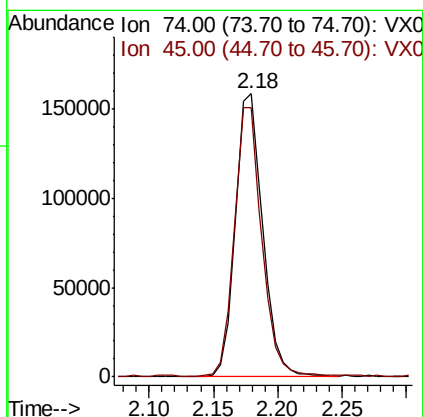
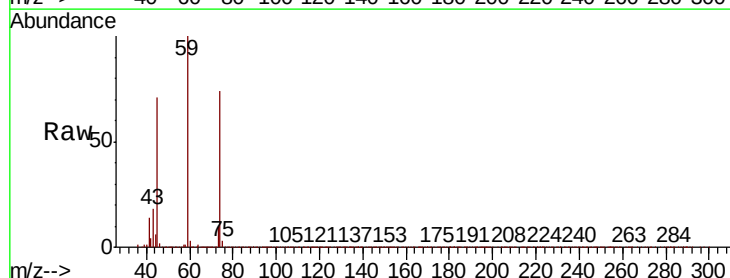
Tot Ion:101 Resp: 492031
Ion Ratio Lower Upper
101 100
103 65.4 51.8 77.6

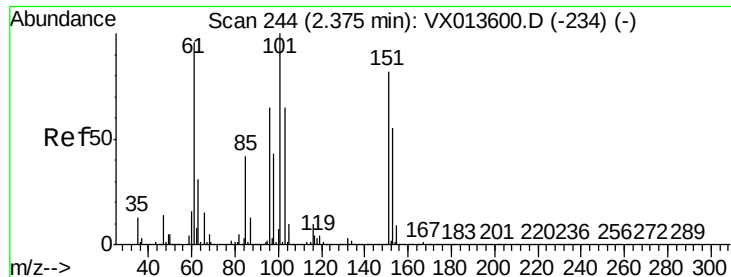


#8

Diethyl Ether
Concen: 49.397 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Tgt Ion: 74 Resp: 232705
Ion Ratio Lower Upper
74 100
45 96.3 48.9 146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.152 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

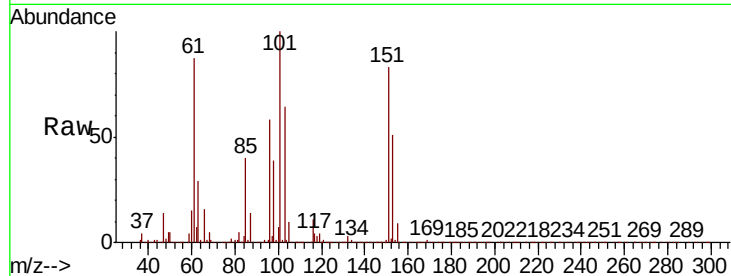
Tot Ion:101 Resp: 306269

Ion Ratio Lower Upper

101 100

85 42.9 33.9 50.9

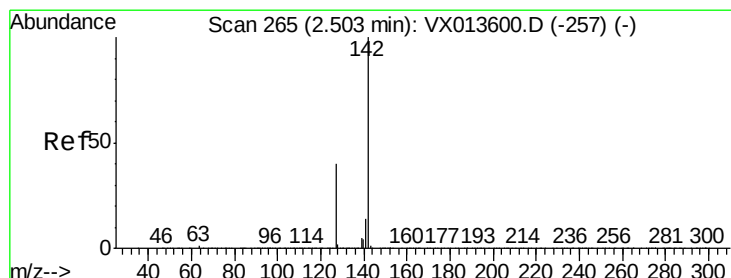
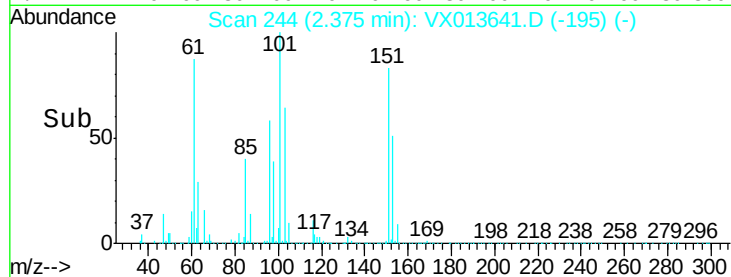
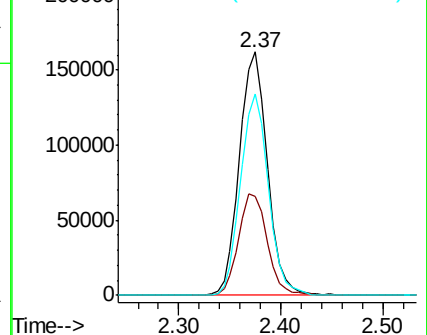
151 82.8 64.2 96.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.930 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

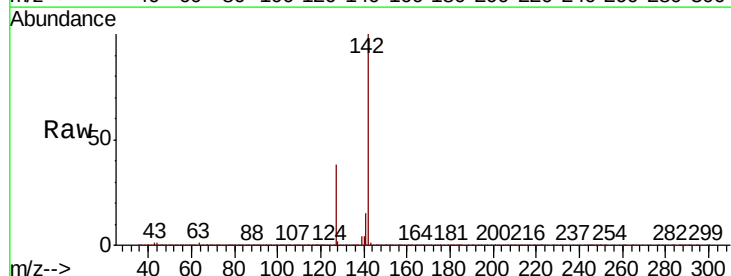
Tgt Ion:142 Resp: 384158

Ion Ratio Lower Upper

142 100

127 38.9 31.0 46.4

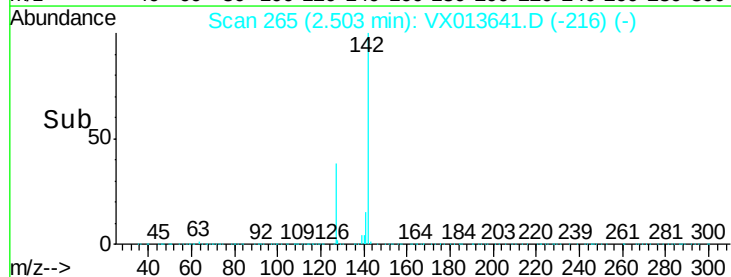
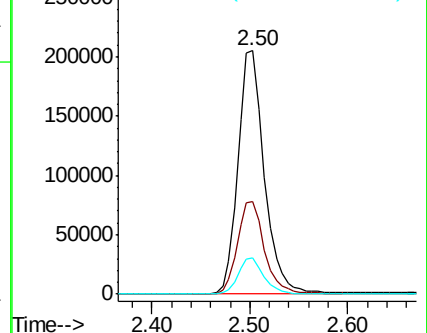
141 14.5 11.6 17.4

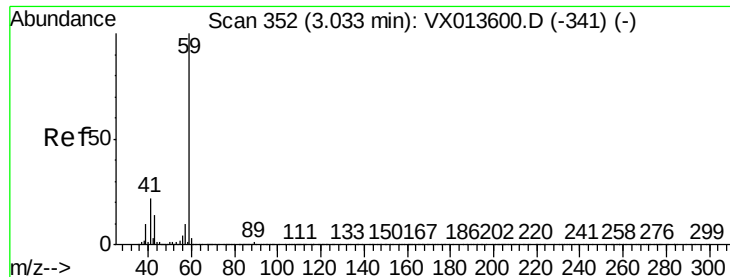


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



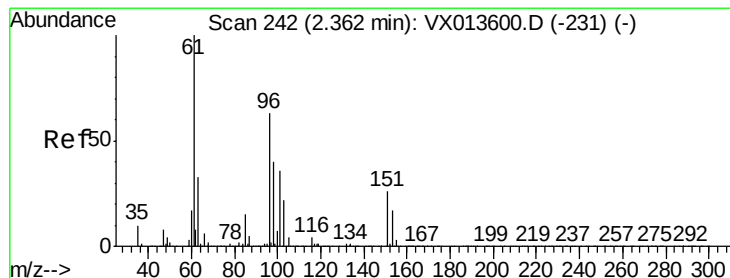
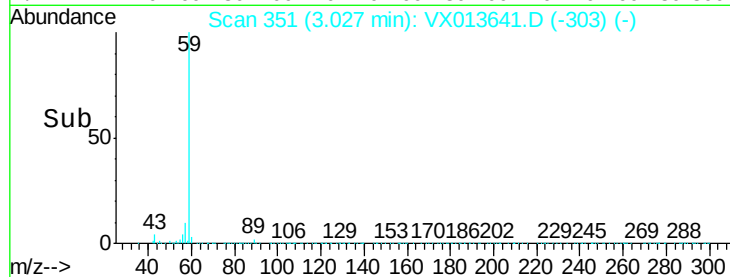
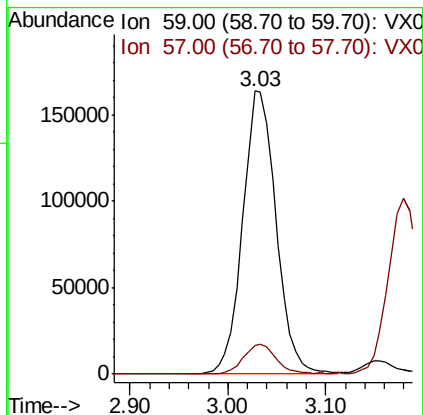
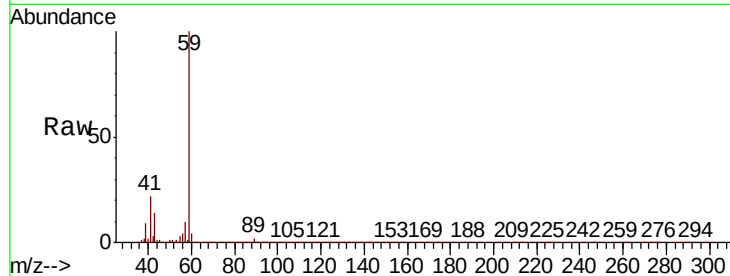


#11

Tert butyl alcohol
Concen: 202.563 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

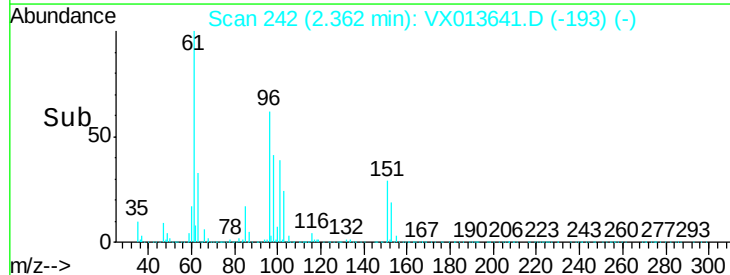
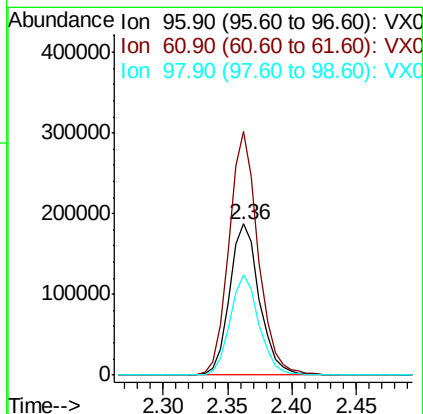
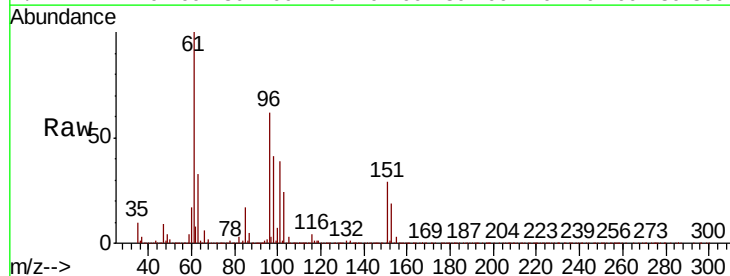
Tot Ion: 59 Resp: 387179
Ion Ratio Lower Upper
59 100
57 9.9 7.8 11.6

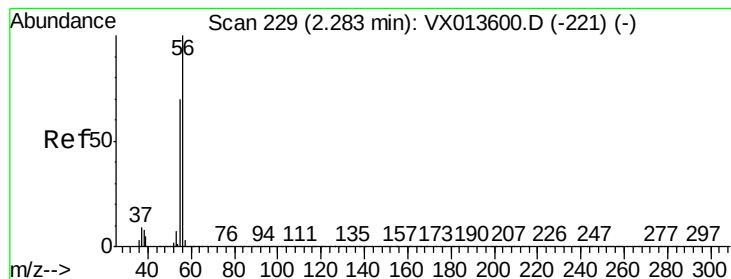


#12

1,1-Dichloroethene
Concen: 47.611 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Tgt Ion: 96 Resp: 302272
Ion Ratio Lower Upper
96 100
61 160.9 126.6 190.0
98 66.3 50.6 76.0





#13

Acrolein

Concen: 223.707 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

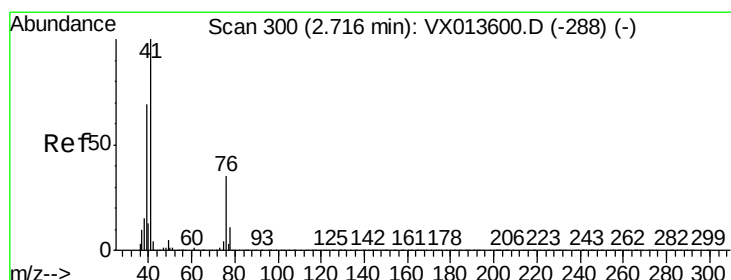
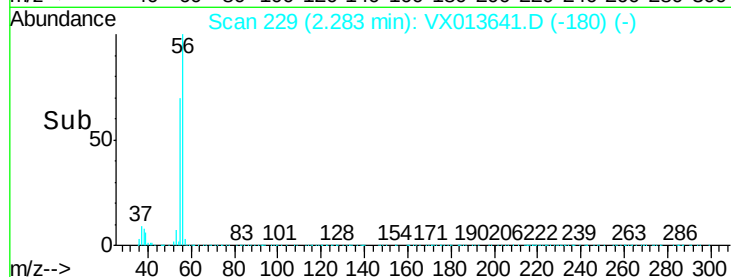
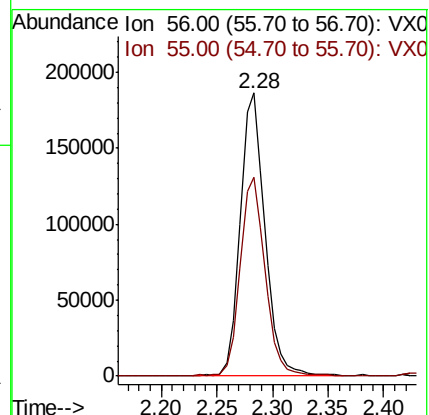
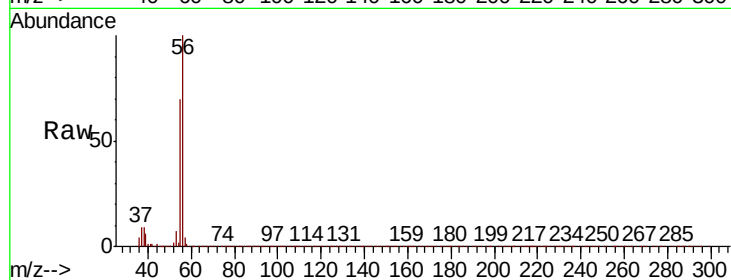
VSTDCCC050

Tot Ion: 56 Resp: 285136

Ion Ratio Lower Upper

56 100

55 71.2 56.2 84.4



#14

Allyl chloride

Concen: 47.788 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

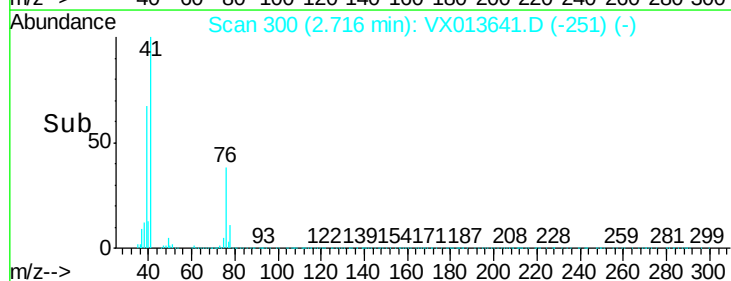
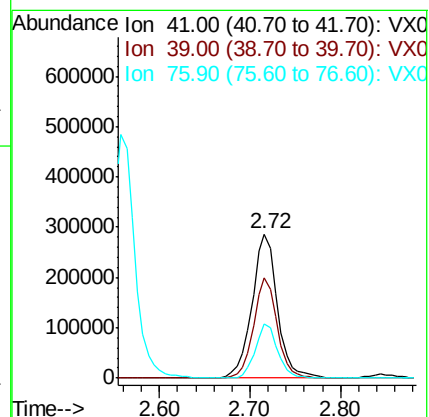
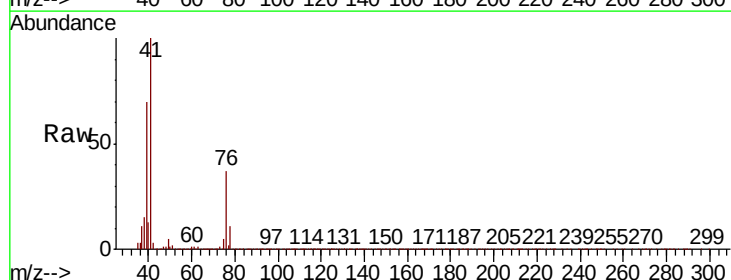
Tgt Ion: 41 Resp: 550583

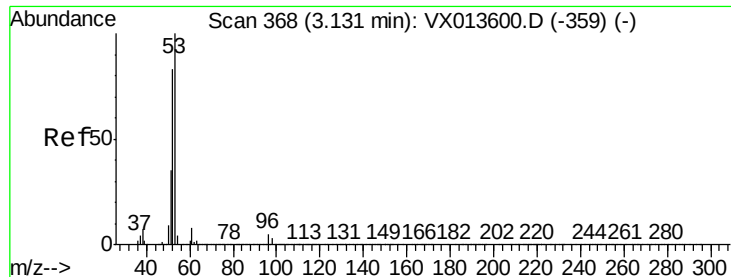
Ion Ratio Lower Upper

41 100

39 64.7 51.7 77.5

76 33.2 25.9 38.9





#15

Acrylonitrile

Concen: 237.834 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

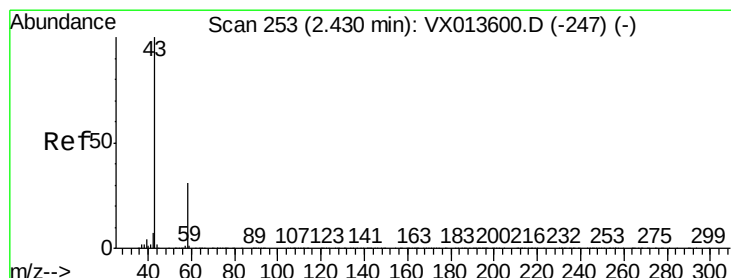
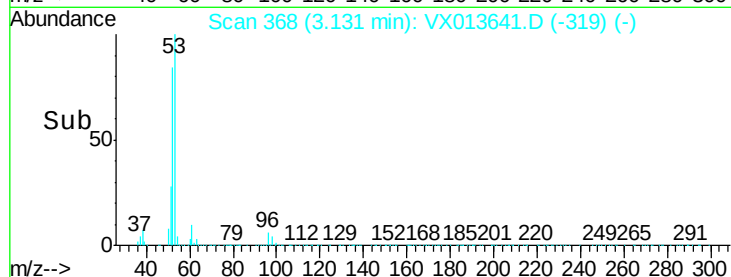
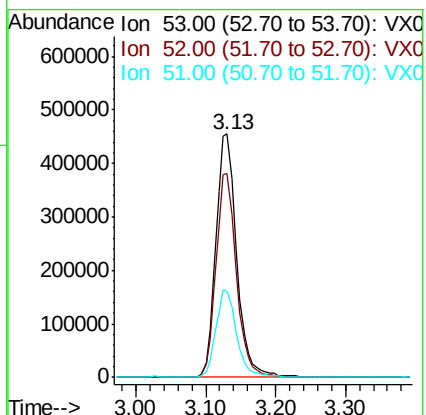
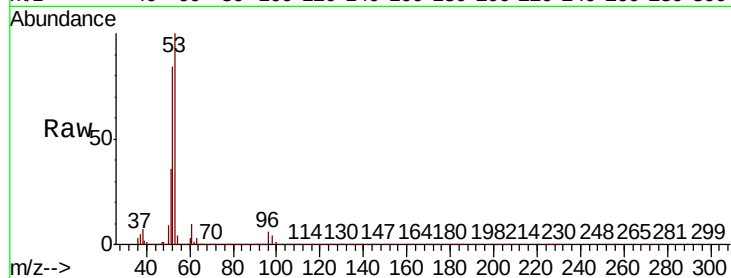
MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 938366

Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	35.7	29.0	43.6



#16

Acetone

Concen: 280.666 ug/l

RT: 2.43 min Scan# 253

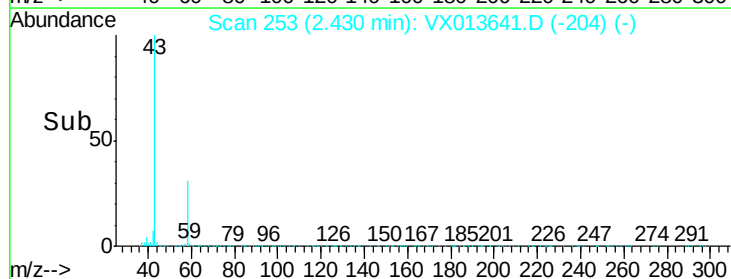
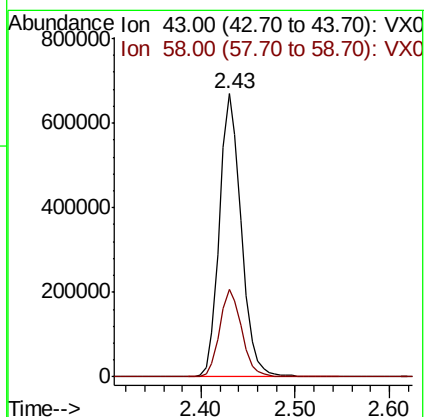
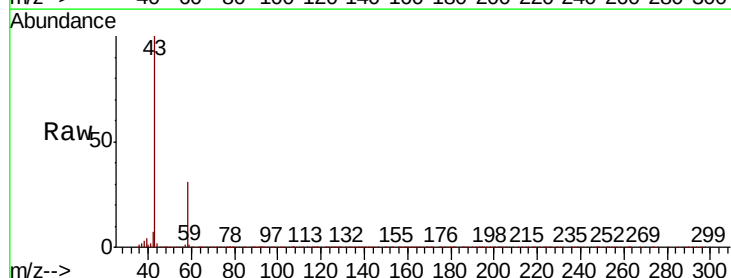
Delta R.T. 0.00 min

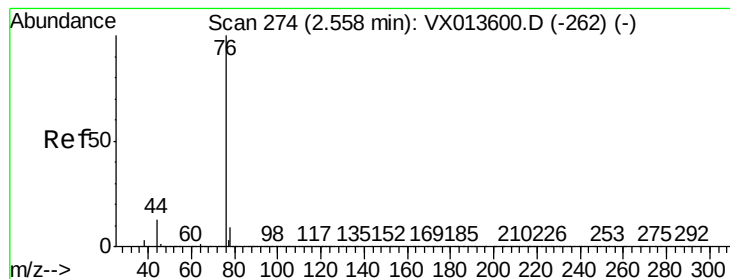
Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Tgt Ion: 43 Resp: 1073036

Ion	Ratio	Lower	Upper
43	100		
58	30.9	24.6	36.8





#17

Carbon Disulfide

Concen: 46.215 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

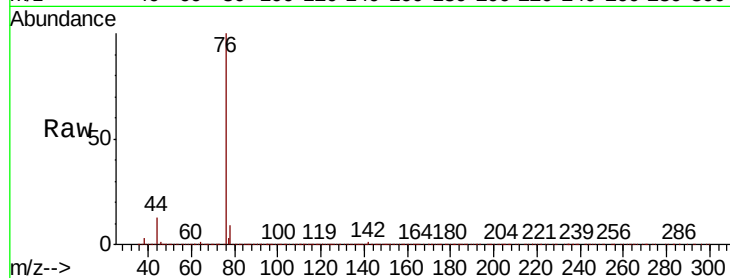
VSTDCCC050

Tot Ion: 76 Resp: 836419

Ion Ratio Lower Upper

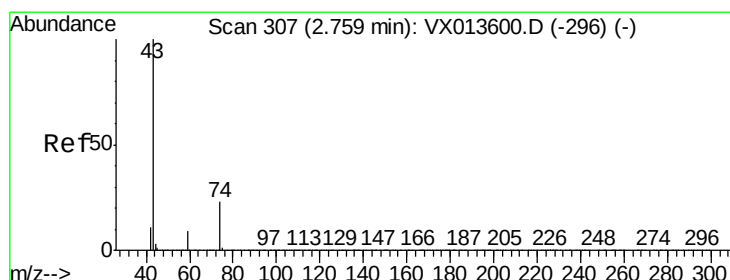
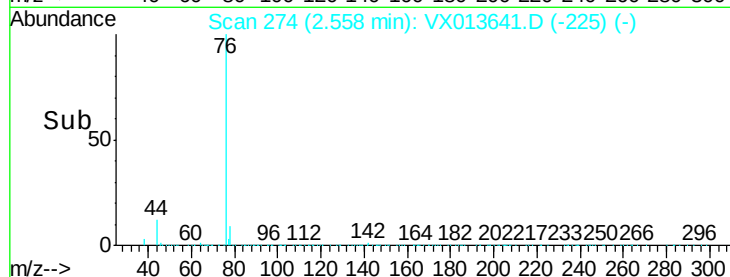
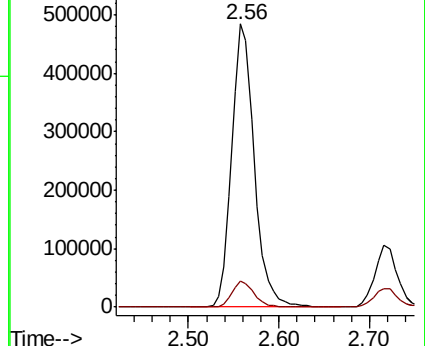
76 100

78 9.2 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 49.401 ug/l

RT: 2.76 min Scan# 307

Delta R.T. 0.00 min

Lab File: VX013641.D

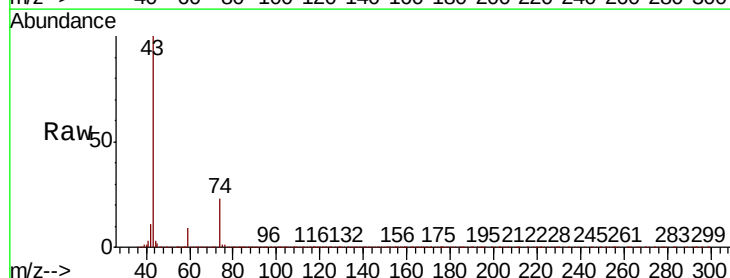
Acq: 27 Nov 2019 10:22

Tgt Ion: 43 Resp: 525931

Ion Ratio Lower Upper

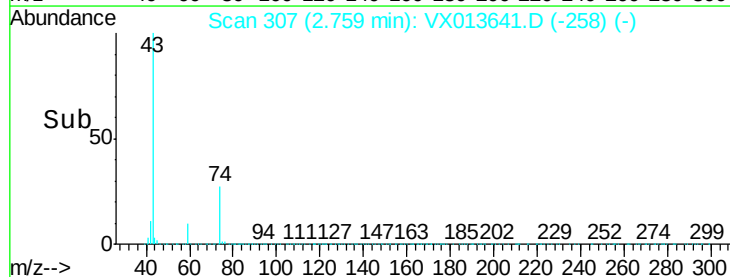
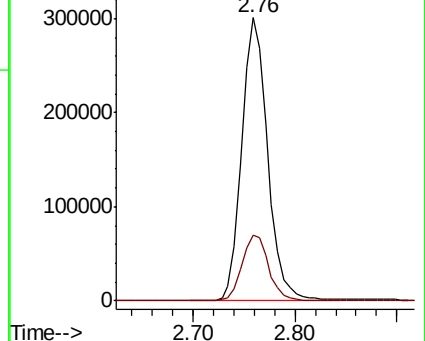
43 100

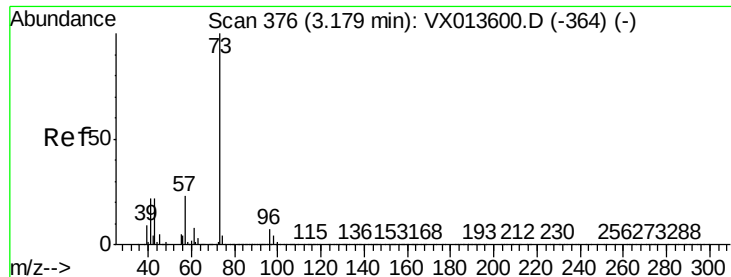
74 24.1 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

Methyl tert-butyl Ether
 Concen: 49.999 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VX013641.D
 Acq: 27 Nov 2019 10:22

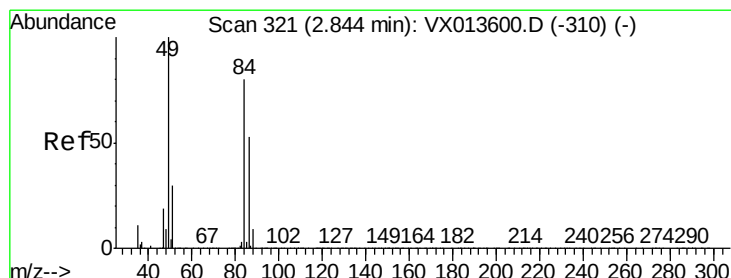
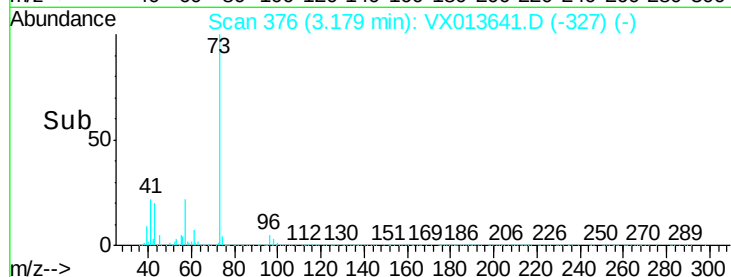
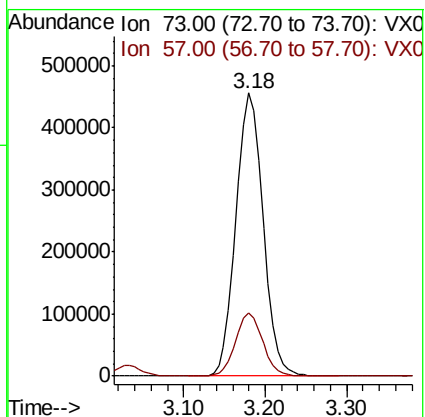
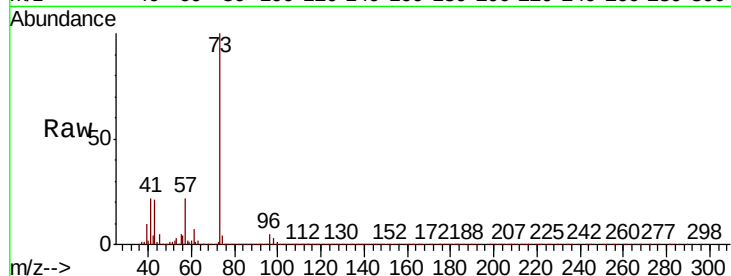
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 73 Resp: 1051578

Ion Ratio Lower Upper

73 100

57 22.2 18.3 27.5



#20

Methylene Chloride
 Concen: 47.166 ug/l
 RT: 2.84 min Scan# 321
 Delta R.T. 0.00 min
 Lab File: VX013641.D
 Acq: 27 Nov 2019 10:22

Tgt Ion: 84 Resp: 346432

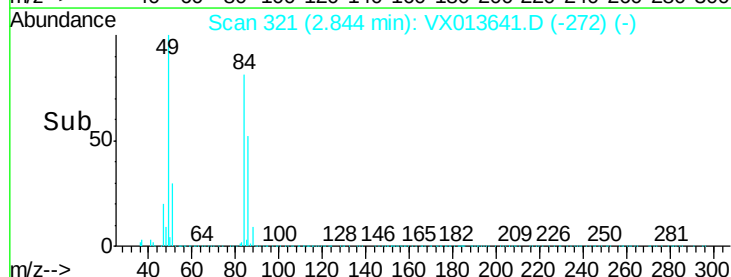
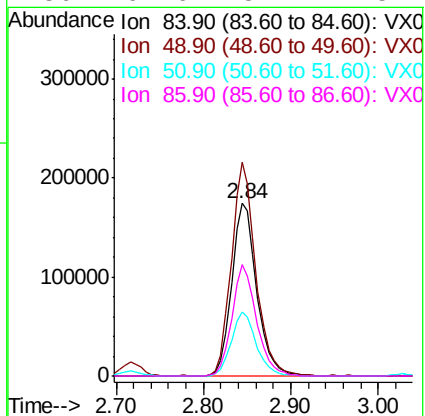
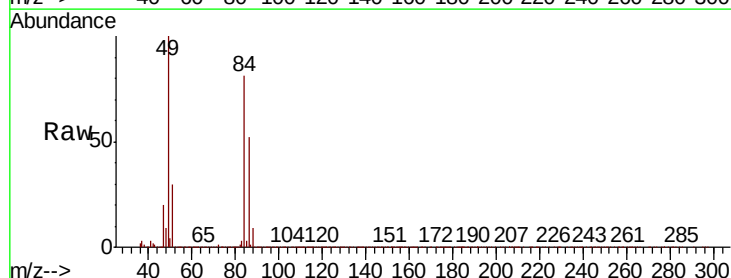
Ion Ratio Lower Upper

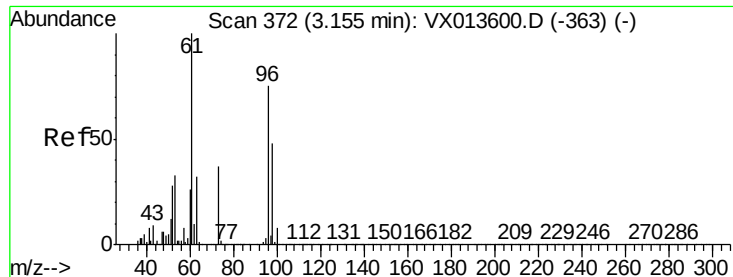
84 100

49 123.7 99.7 149.5

51 37.2 29.9 44.9

86 64.6 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 47.664 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

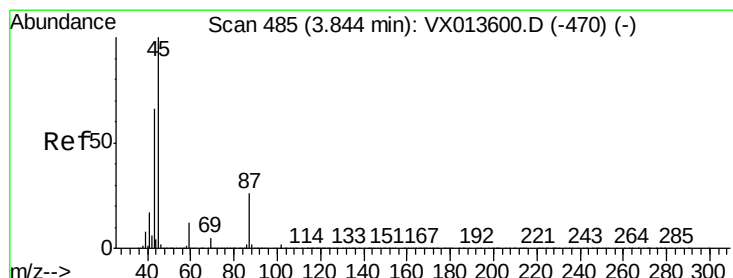
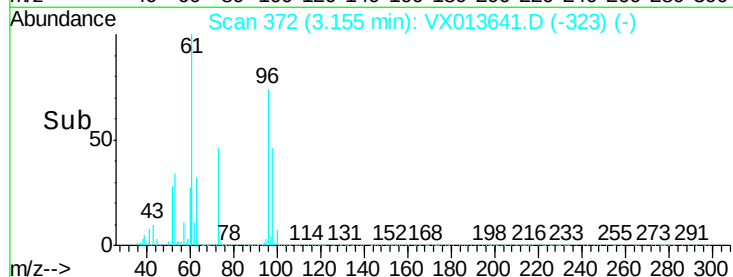
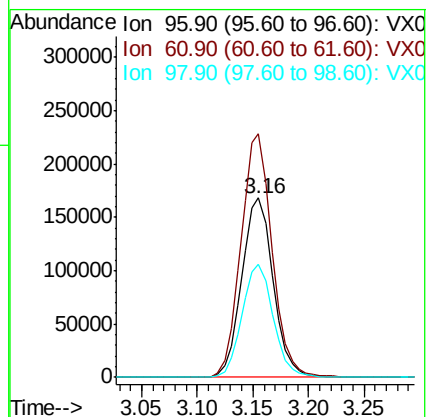
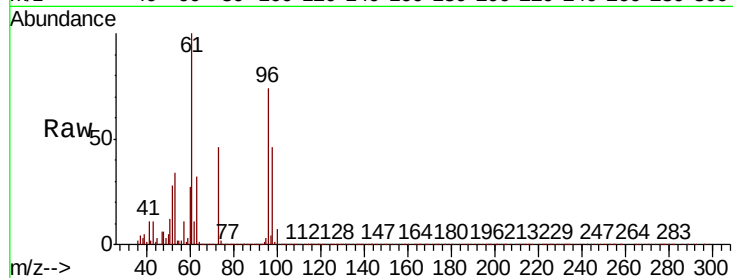
Tot Ion: 96 Resp: 329660

Ion Ratio Lower Upper

96 100

61 135.7 107.2 160.8

98 63.0 51.4 77.0



#22

Diisopropyl ether

Concen: 49.360 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Tgt Ion: 45 Resp: 1095043

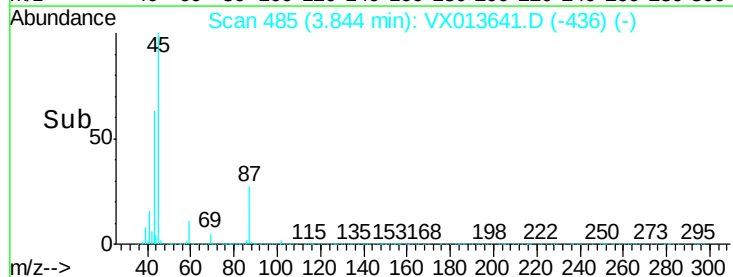
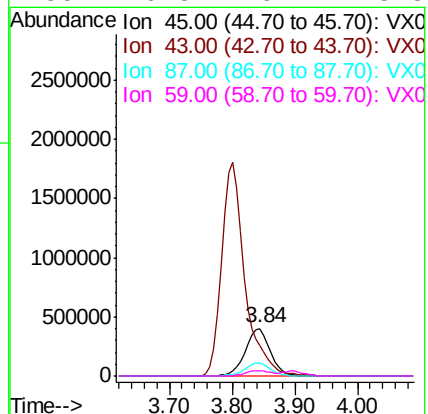
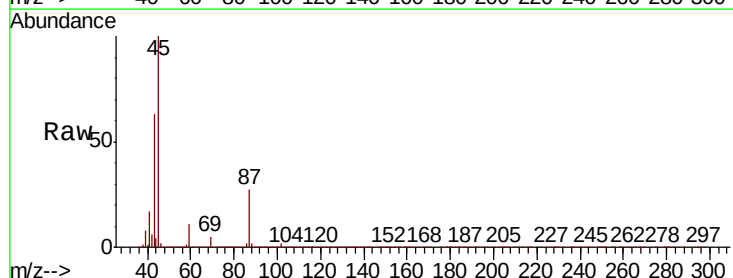
Ion Ratio Lower Upper

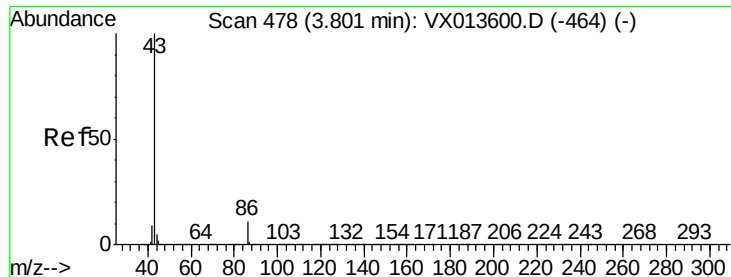
45 100

43 63.3 52.6 79.0

87 27.2 21.1 31.7

59 10.8 9.2 13.8





#23

Vinyl Acetate

Concen: 250.356 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

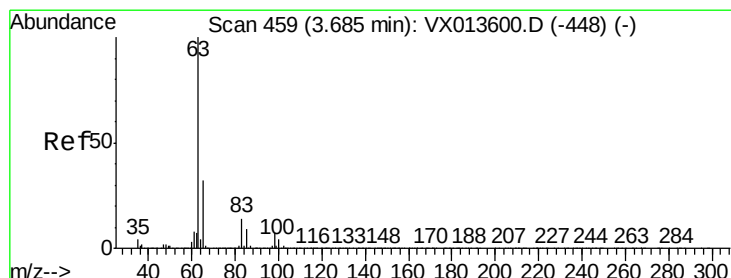
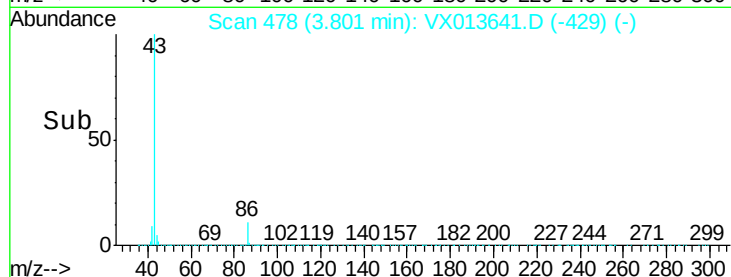
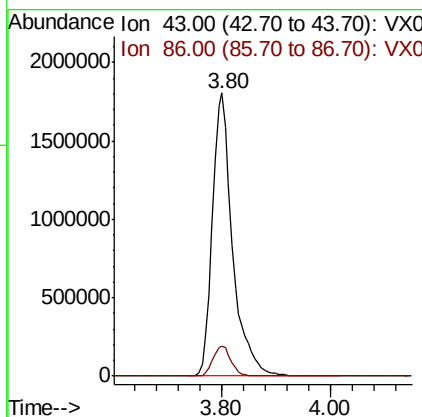
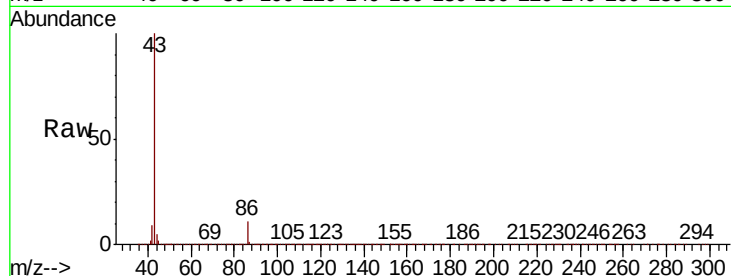
VSTDCCC050

Tot Ion: 43 Resp: 4620452

Ion Ratio Lower Upper

43 100

86 10.8 8.7 13.1



#24

1,1-Dichloroethane

Concen: 48.122 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

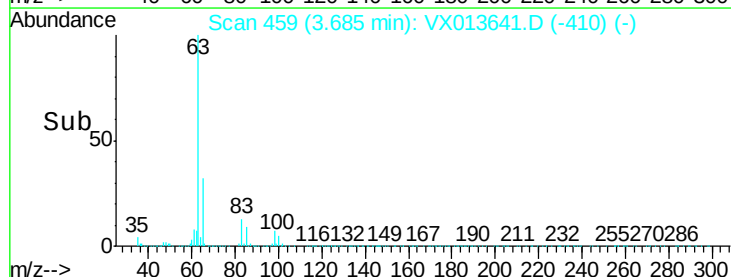
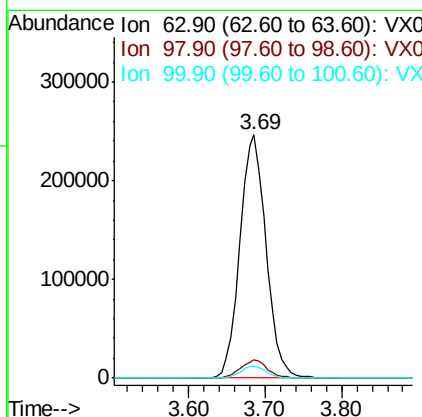
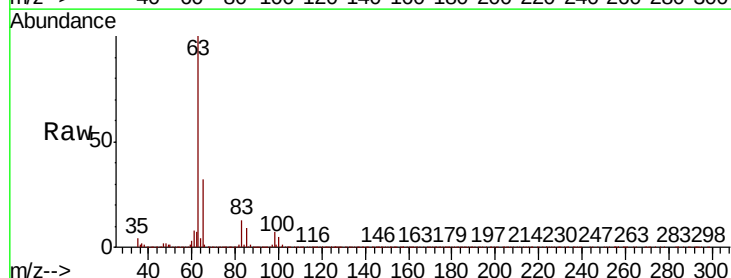
Tgt Ion: 63 Resp: 583605

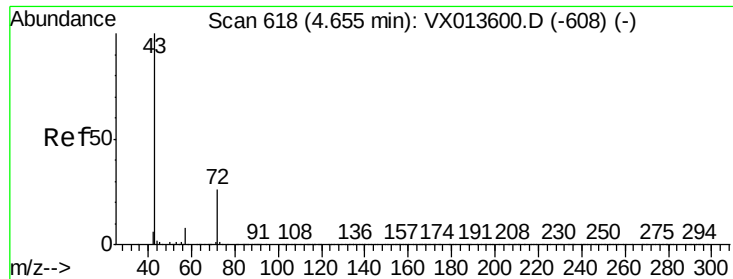
Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.4

100 5.0 2.1 6.3

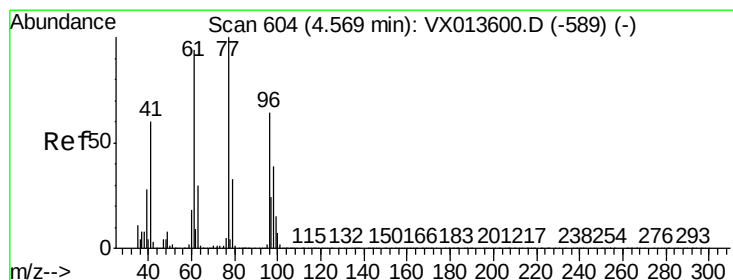
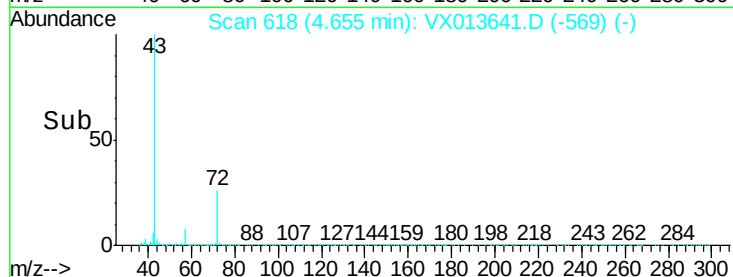
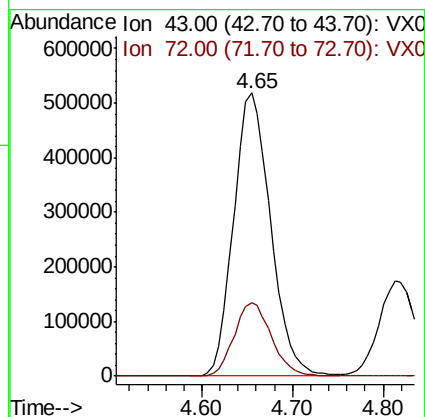
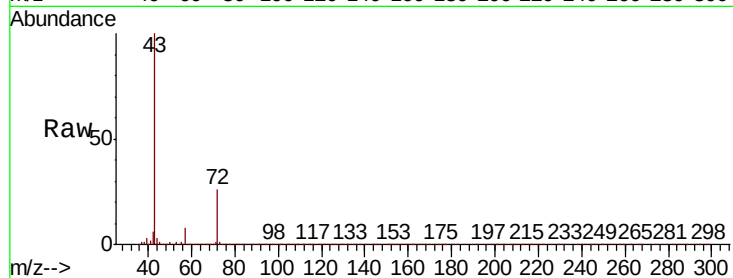




#25
2-Butanone
Concen: 257.244 ug/l
RT: 4.65 min Scan# 618
Delta R.T. 0.00 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

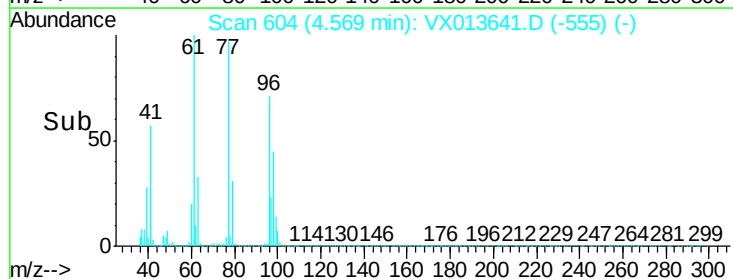
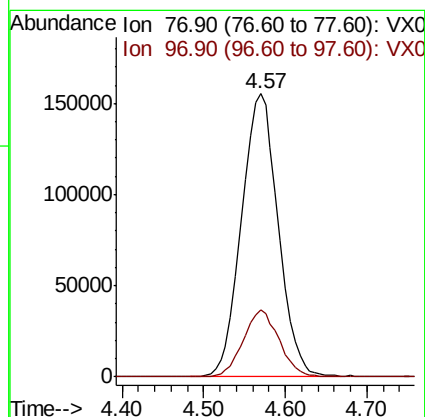
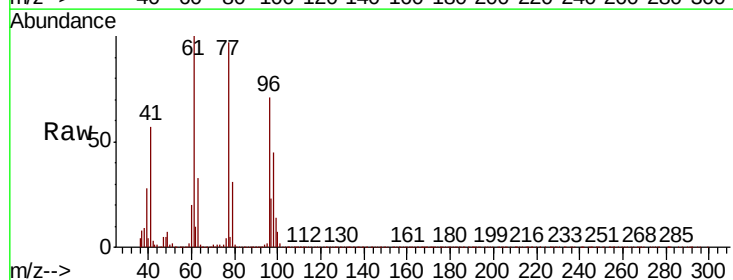
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

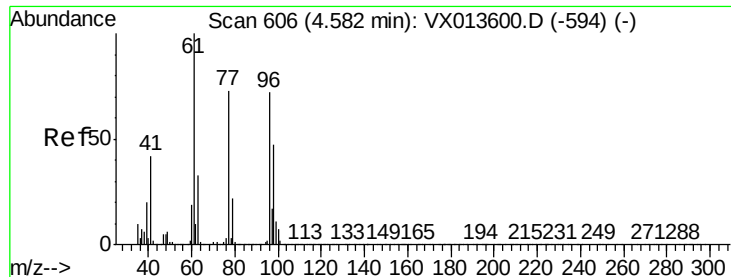
Tot Ion: 43 Resp: 1461649
Ion Ratio Lower Upper
43 100
72 25.7 20.6 31.0



#26
2,2-Dichloropropane
Concen: 48.090 ug/l
RT: 4.57 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Tgt Ion: 77 Resp: 482544
Ion Ratio Lower Upper
77 100
97 23.2 12.0 36.1



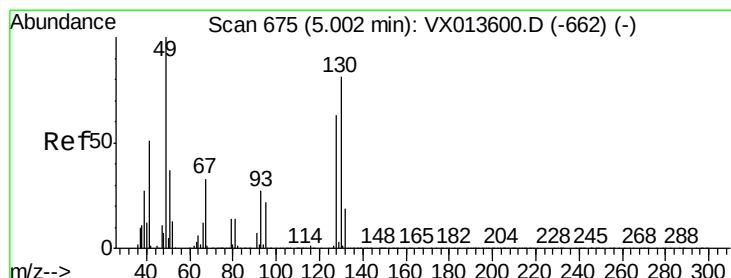
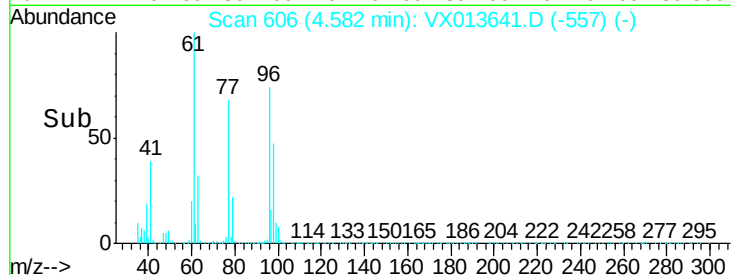
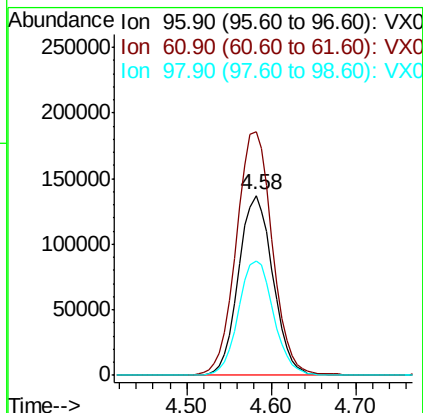
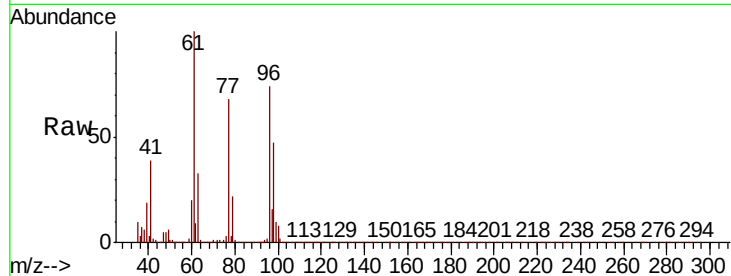


#27

cis-1,2-Dichloroethene
Concen: 47.496 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

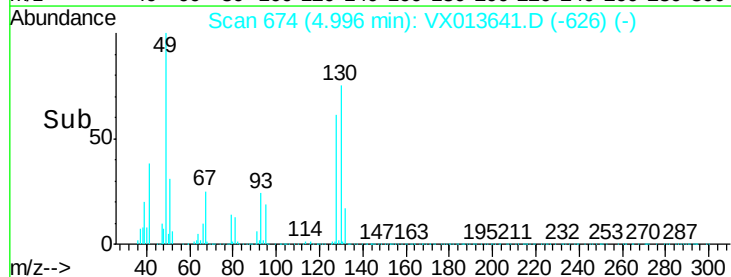
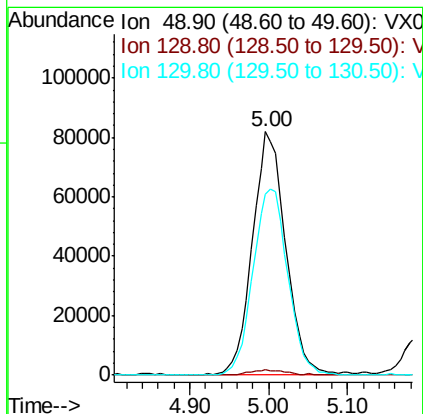
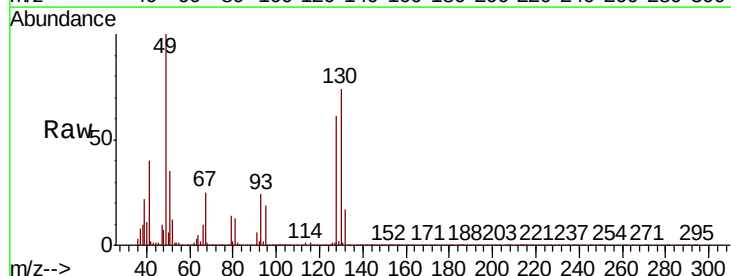
Tot Ion	Ratio	Lower	Upper
96	100		
61	142.2	0.0	286.4
98	65.1	0.0	127.4

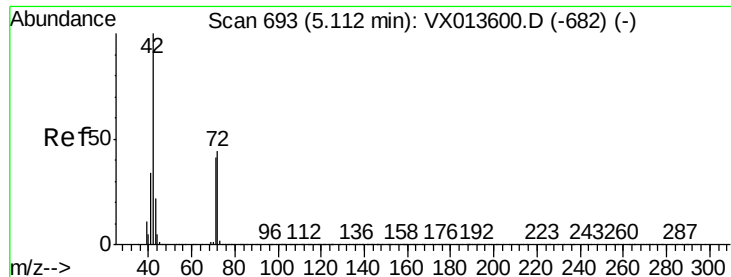


#28

Bromochloromethane
Concen: 49.730 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	5.0
130	80.6	65.4	98.0





#29

Tetrahydrofuran

Concen: 240.443 ug/l

RT: 5.11 min Scan# 693

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

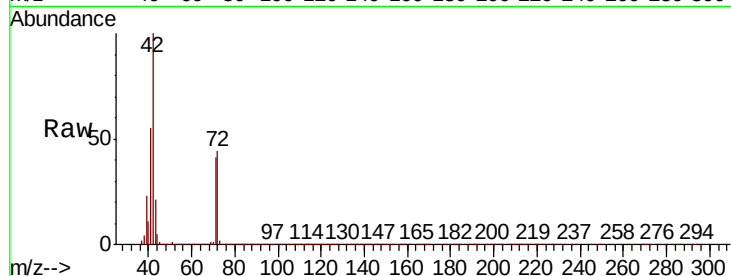
Tot Ion: 42 Resp: 842213

Ion Ratio Lower Upper

42 100

72 45.1 36.3 54.5

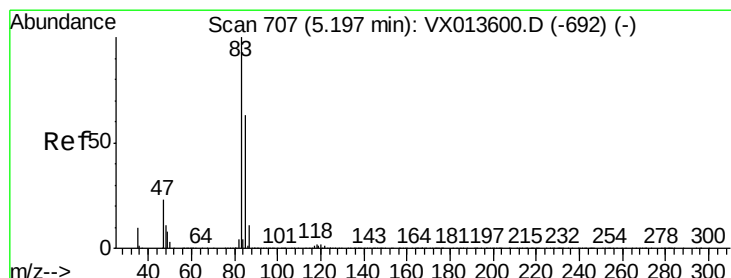
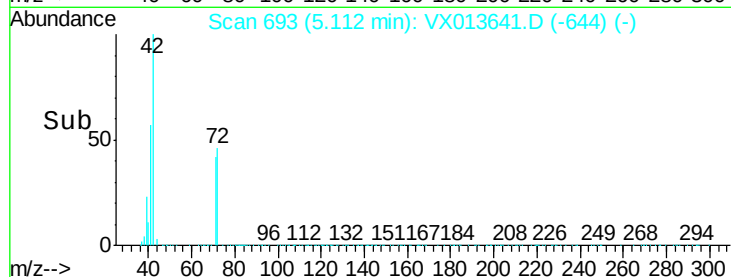
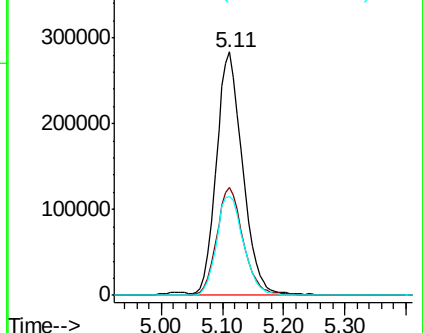
71 42.1 33.2 49.8



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 46.593 ug/l

RT: 5.20 min Scan# 707

Delta R.T. 0.00 min

Lab File: VX013641.D

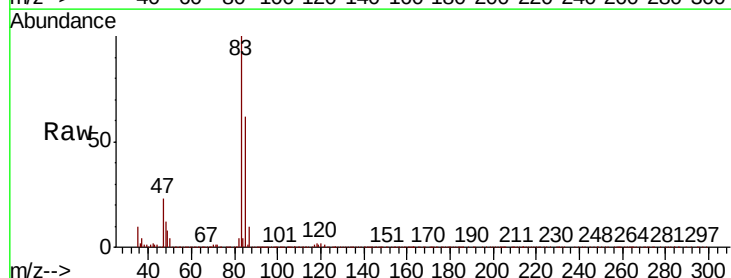
Acq: 27 Nov 2019 10:22

Tgt Ion: 83 Resp: 573067

Ion Ratio Lower Upper

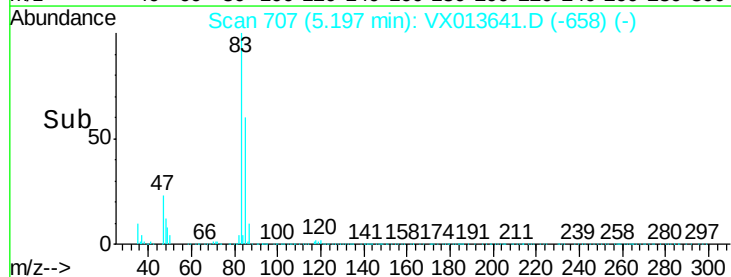
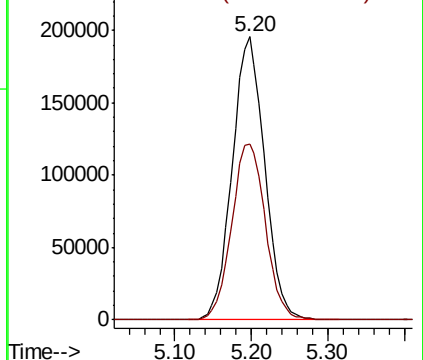
83 100

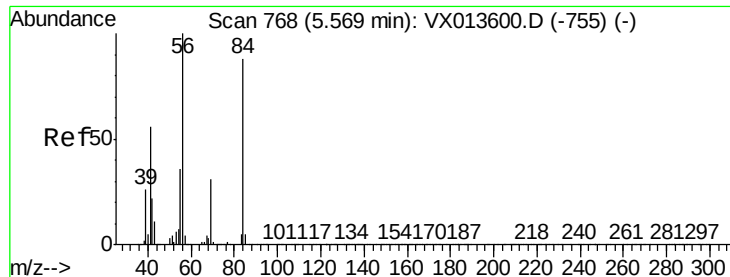
85 62.1 50.2 75.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

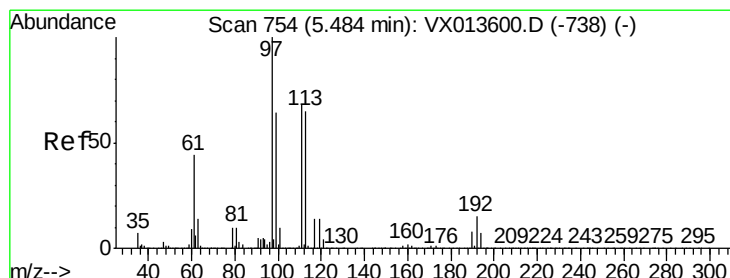
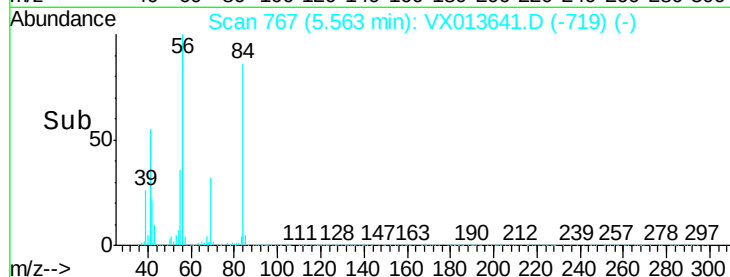
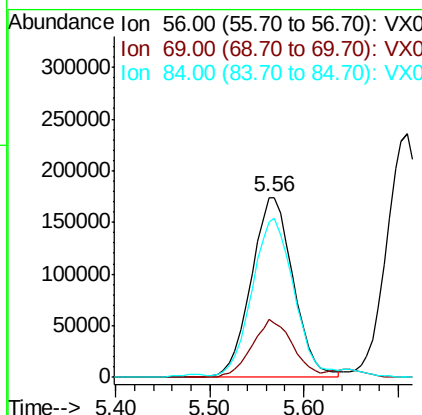
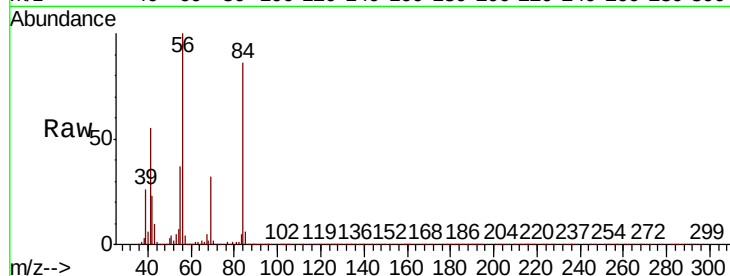




#31
Cyclohexane
Concen: 47.271 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

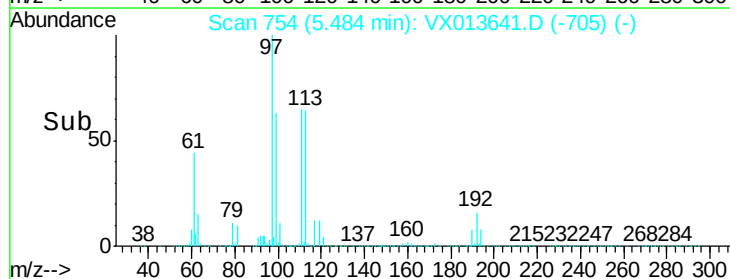
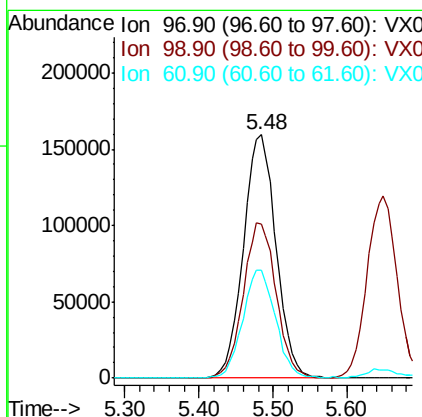
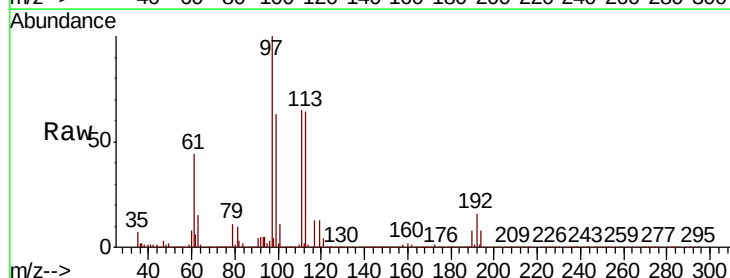
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

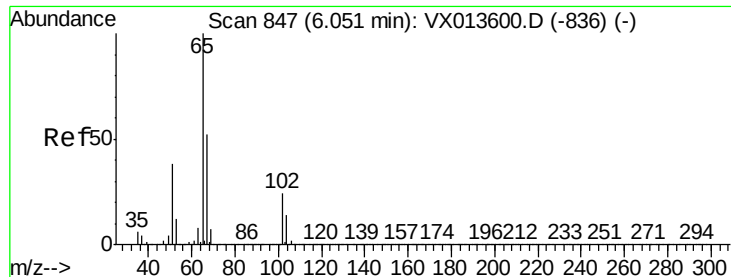
Tot Ion: 56 Resp: 540723
Ion Ratio Lower Upper
56 100
69 32.1 24.6 36.8
84 84.8 70.0 105.0



#32
1,1,1-Trichloroethane
Concen: 47.647 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Tgt Ion: 97 Resp: 489719
Ion Ratio Lower Upper
97 100
99 63.9 51.6 77.4
61 44.3 36.1 54.1

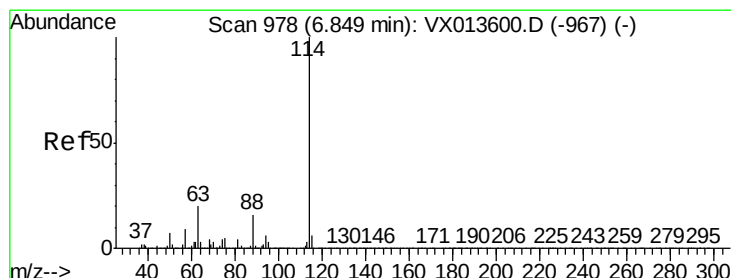
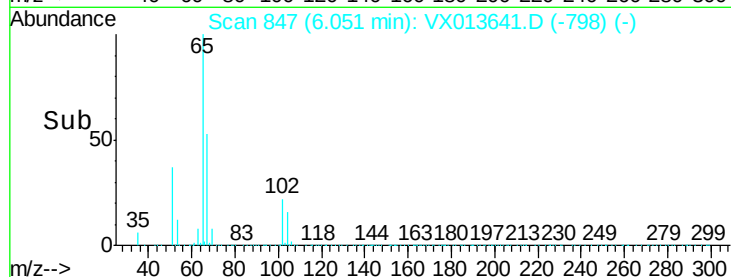
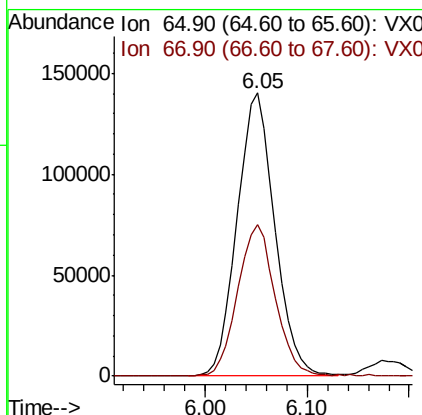
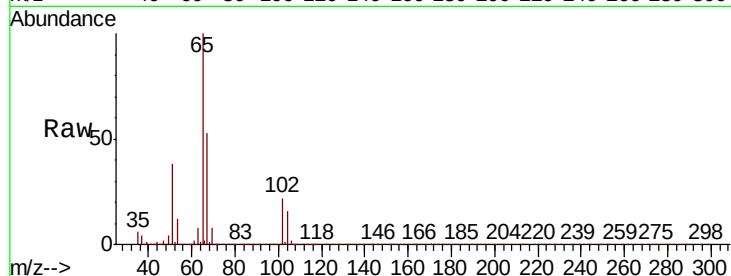




#33
 1,2-Dichloroethane-d4
 Concen: 46.518 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX013641.D
 Acq: 27 Nov 2019 10:22

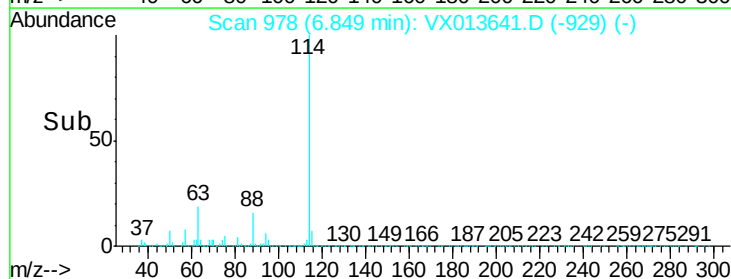
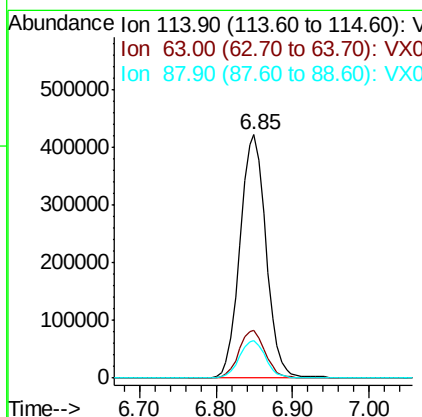
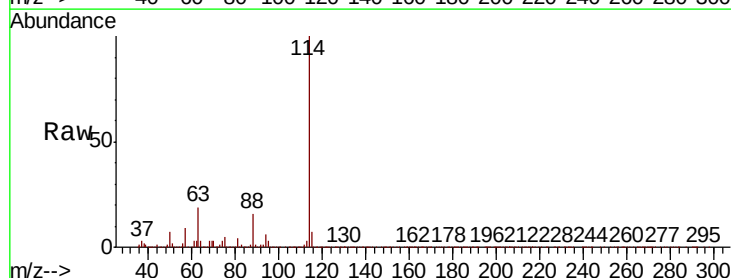
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

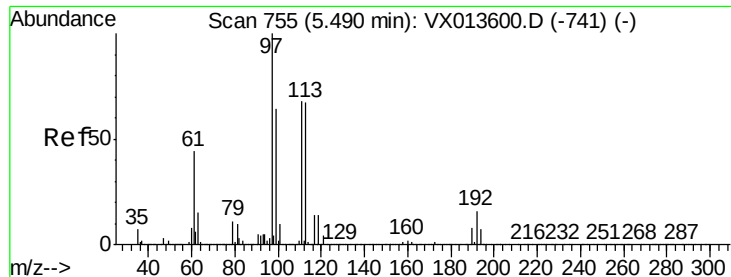
Tot Ion: 65 Resp: 360220
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013641.D
 Acq: 27 Nov 2019 10:22

Tgt Ion: 114 Resp: 1000150
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.6
 88 15.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 47.223 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

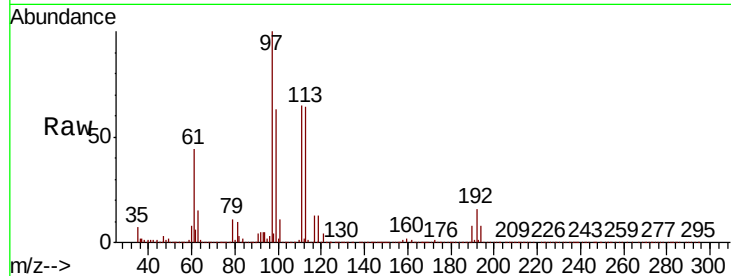
Tot Ion:113 Resp: 291980

Ion Ratio Lower Upper

113 100

111 102.8 83.6 125.4

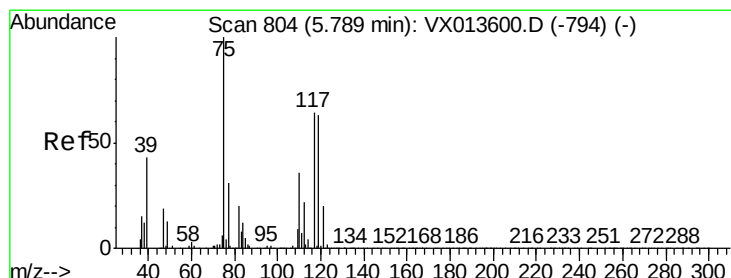
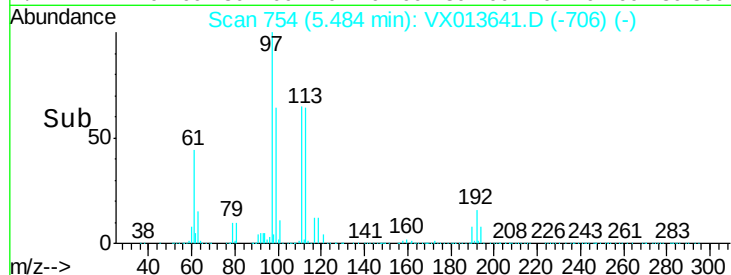
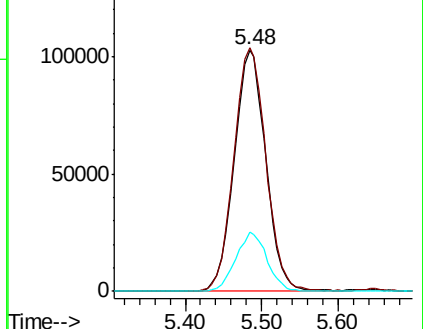
192 24.2 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.454 ug/l

RT: 5.79 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

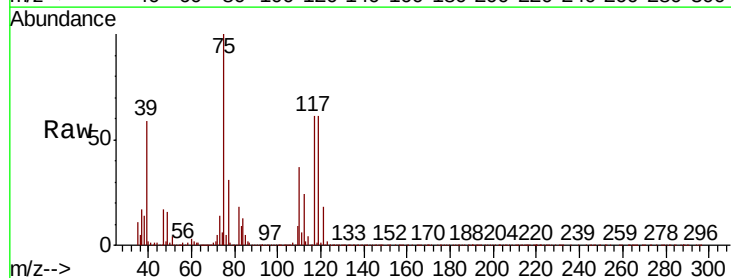
Tgt Ion: 75 Resp: 439904

Ion Ratio Lower Upper

75 100

110 36.2 18.1 54.1

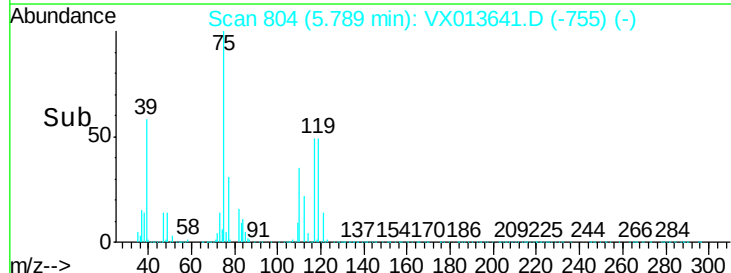
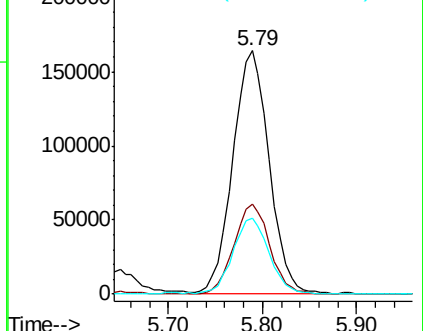
77 30.9 24.5 36.7

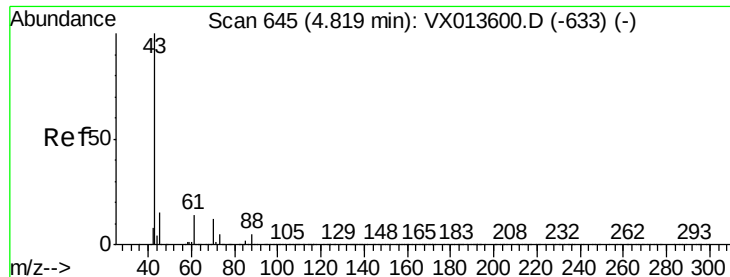


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

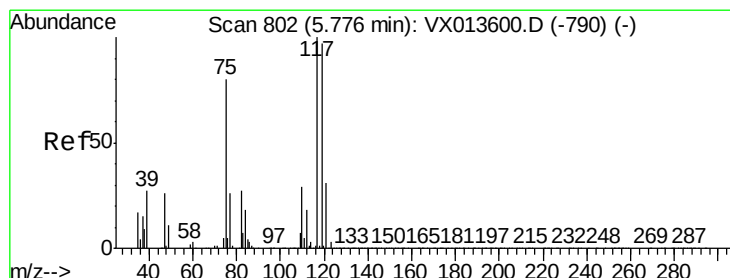
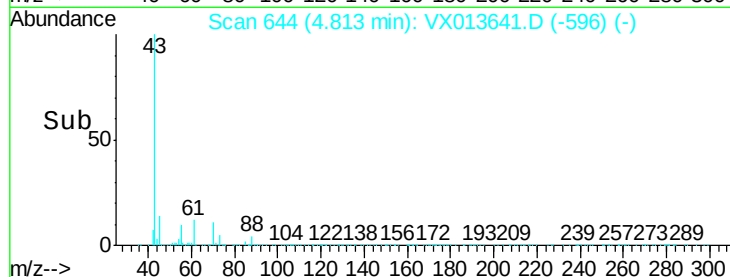
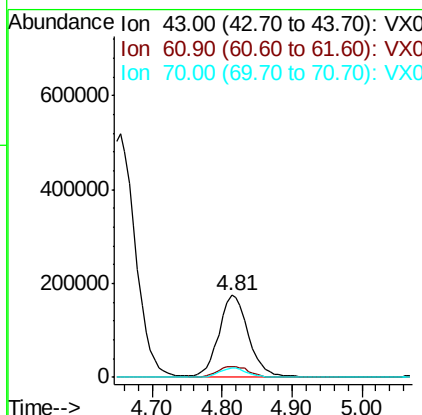
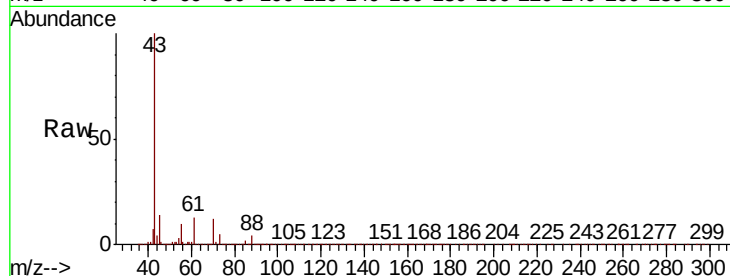




#37
Ethyl Acetate
Concen: 49.998 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

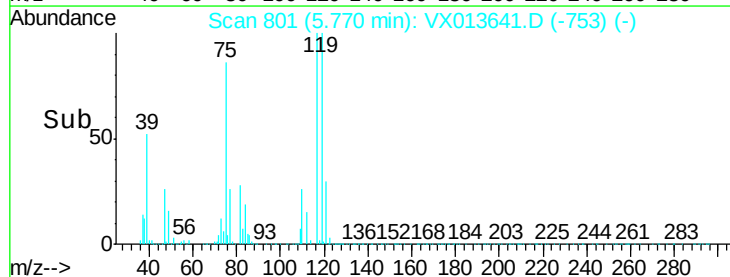
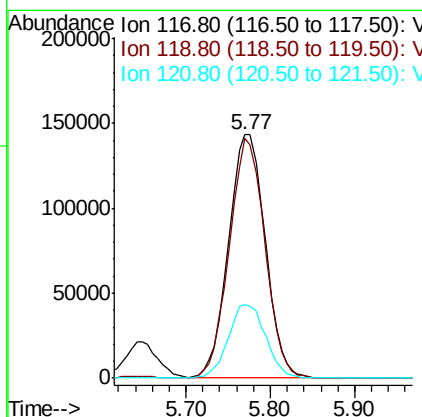
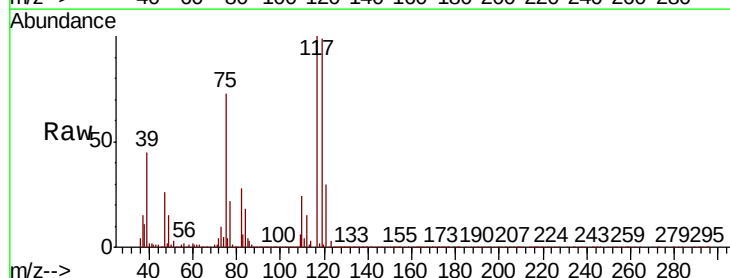
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

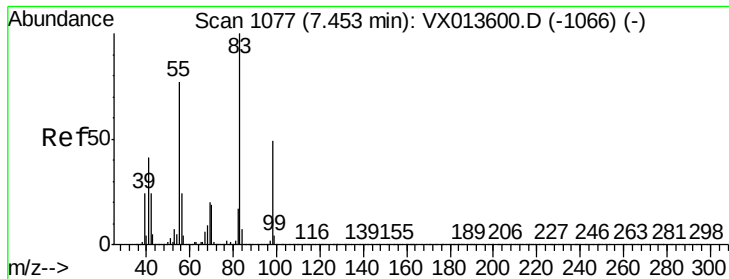
Tot Ion:	43	Resp:	509237
Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.0	16.4
70	10.8	8.6	12.8



#38
Carbon Tetrachloride
Concen: 50.456 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Tgt Ion:	117	Resp:	422394
Ion	Ratio	Lower	Upper
117	100		
119	98.5	77.5	116.3
121	30.3	25.0	37.6

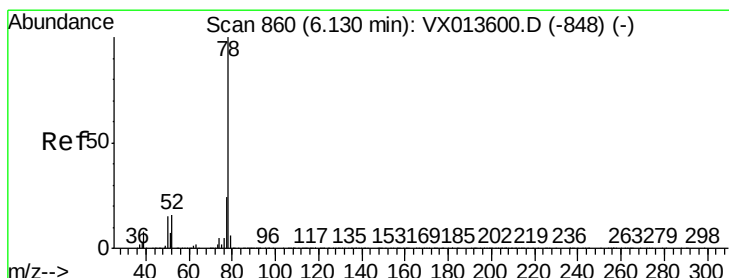
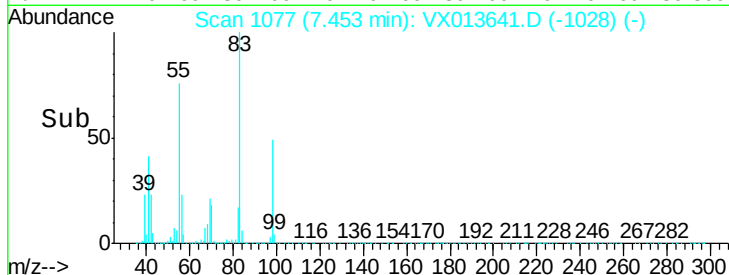
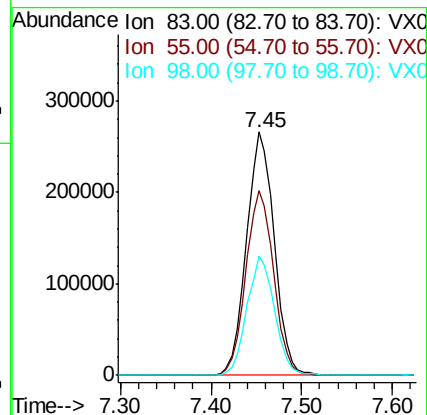
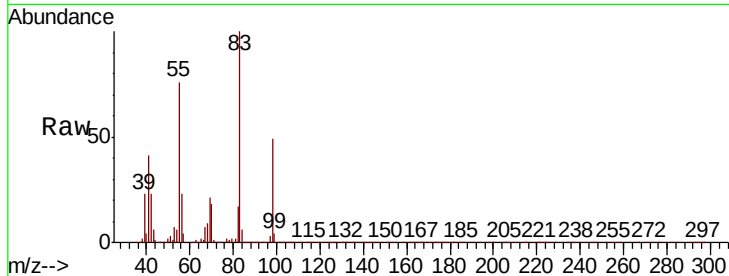




#39
Methylvlcyclohexane
Concen: 50.357 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

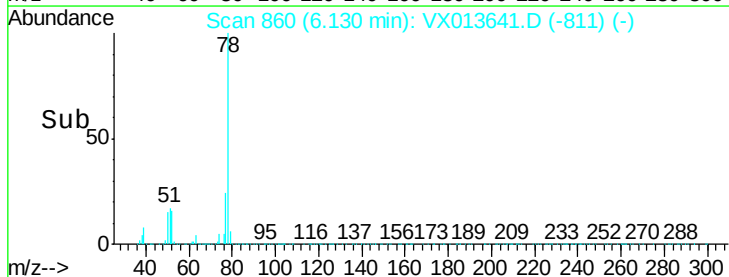
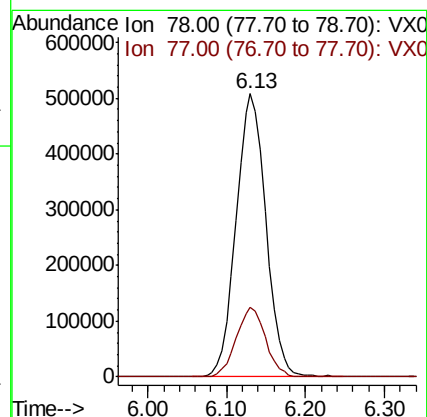
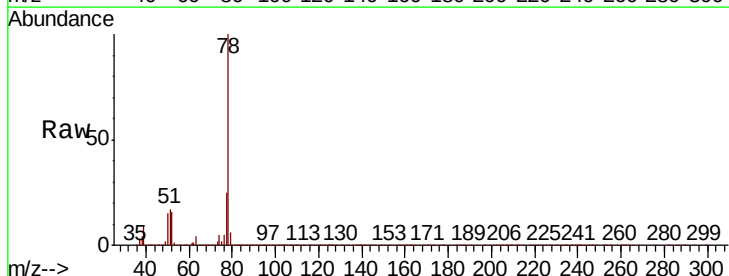
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

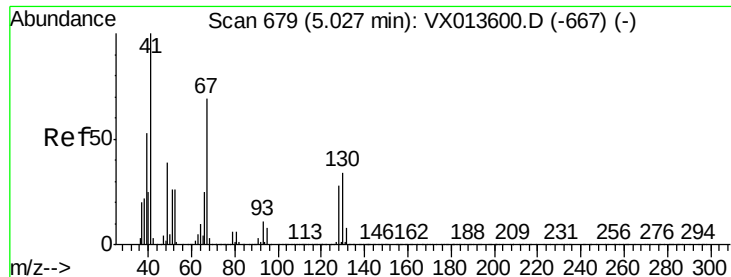
Tot Ion	83	Resp	565123
Ion Ratio	Lower	Upper	
83	100		
55	75.6	61.9	92.9
98	49.2	39.4	59.0



#40
Benzene
Concen: 48.257 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Tgt Ion	78	Resp	1334372
Ion Ratio	Lower	Upper	
78	100		
77	24.7	19.0	28.4





#41

Methacrylonitrile

Concen: 52.125 ug/l

RT: 5.03 min Scan# 679

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 291156

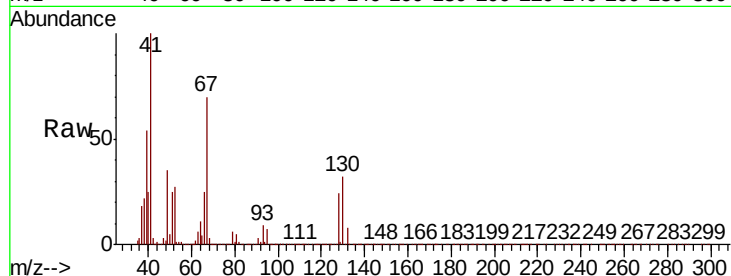
Ion Ratio Lower Upper

41 100

39 53.5 42.9 64.3

67 70.0 57.4 86.0

52 28.5 22.4 33.6

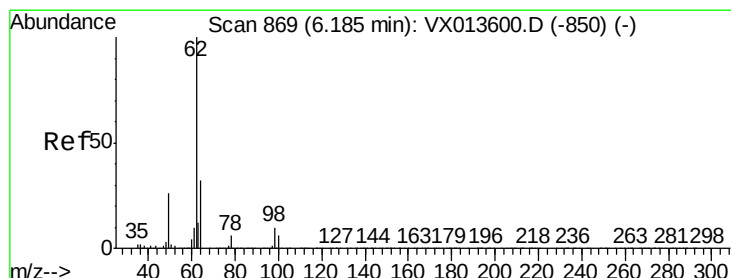
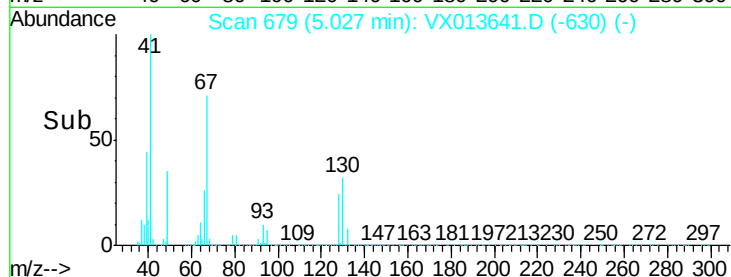
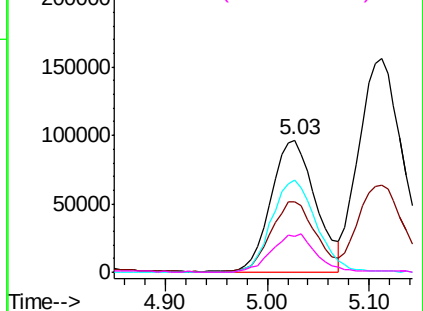


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 50.341 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.01 min

Lab File: VX013641.D

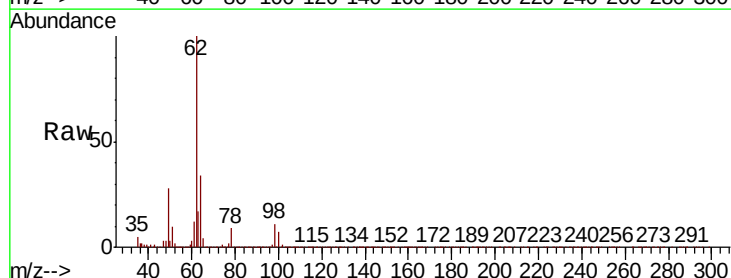
Acq: 27 Nov 2019 10:22

Tgt Ion: 62 Resp: 474730

Ion Ratio Lower Upper

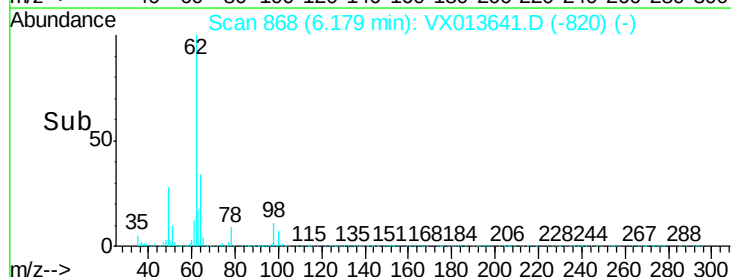
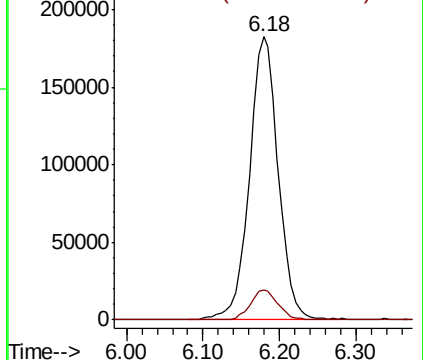
62 100

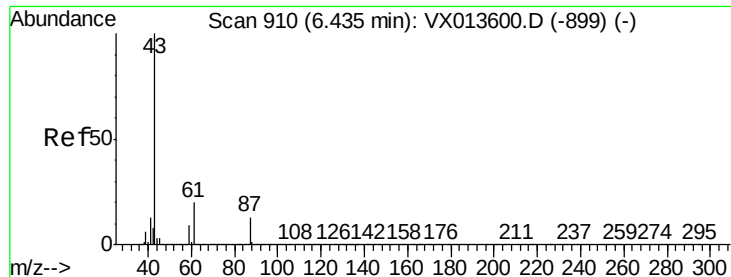
98 10.3 0.0 20.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 49.684 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

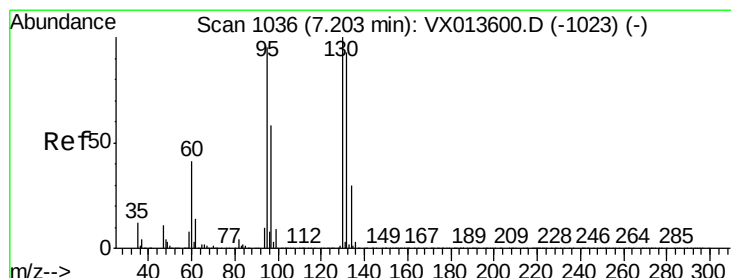
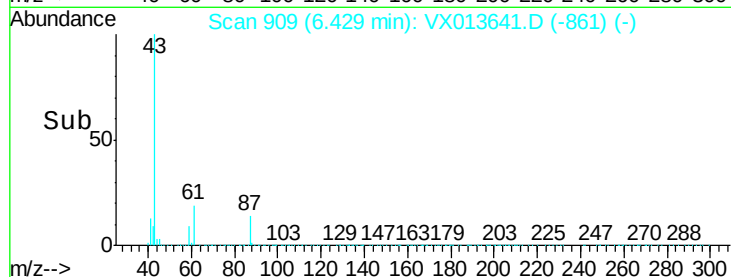
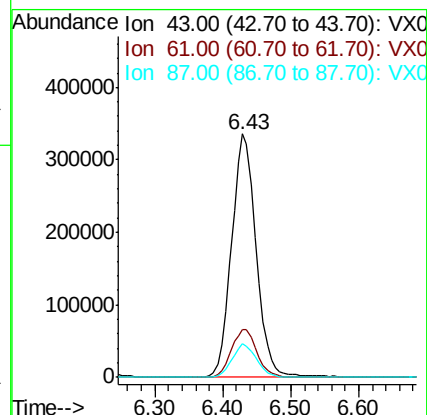
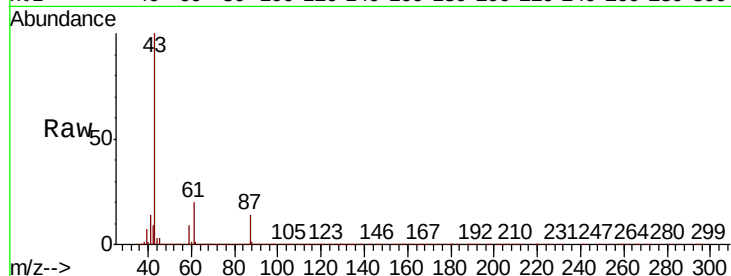
Tot Ion: 43 Resp: 833093

Ion Ratio Lower Upper

43 100

61 20.8 16.3 24.5

87 13.7 10.8 16.2



#44

Trichloroethene

Concen: 48.564 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VX013641.D

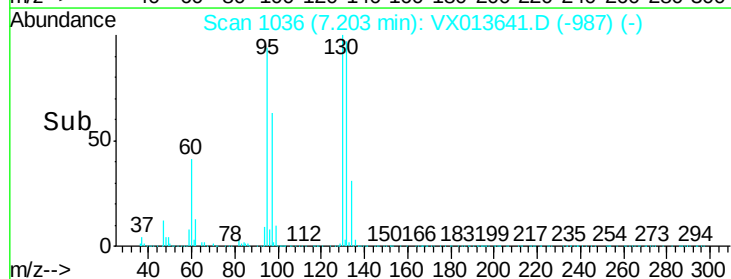
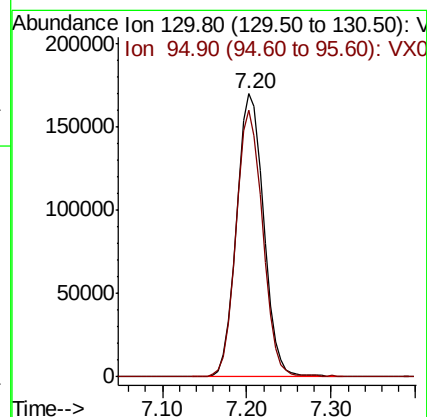
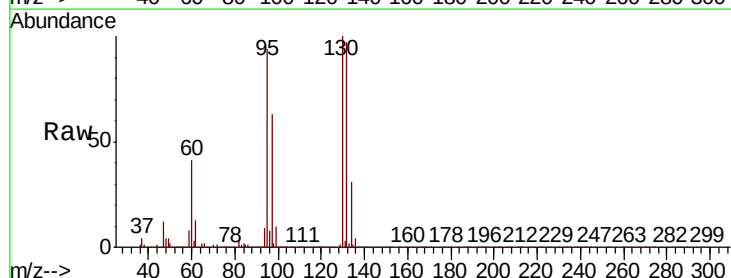
Acq: 27 Nov 2019 10:22

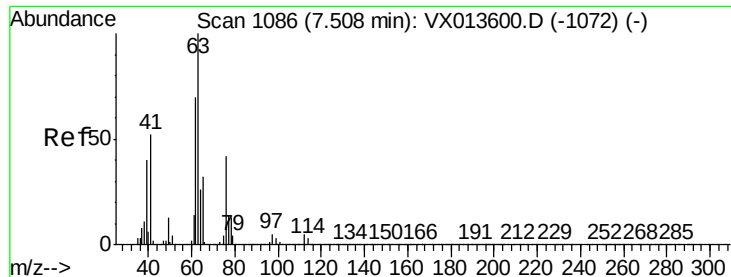
Tgt Ion: 130 Resp: 368544

Ion Ratio Lower Upper

130 100

95 94.4 0.0 190.8





#45

1,2-Dichloropropane

Concen: 51.000 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

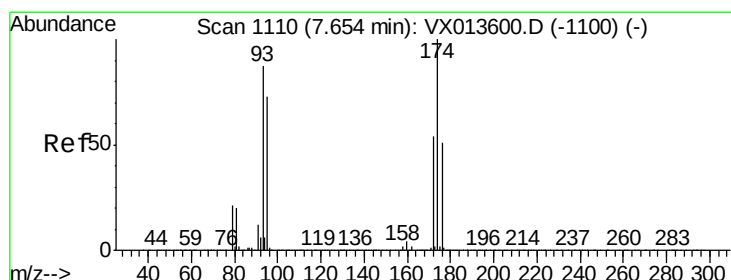
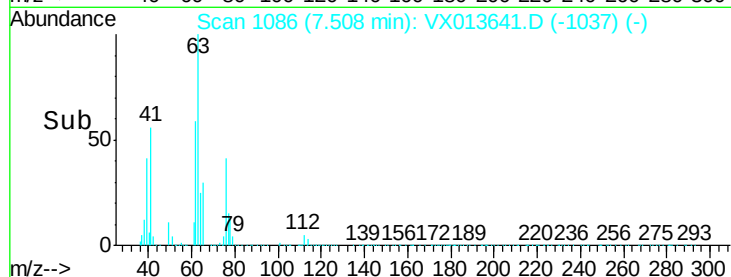
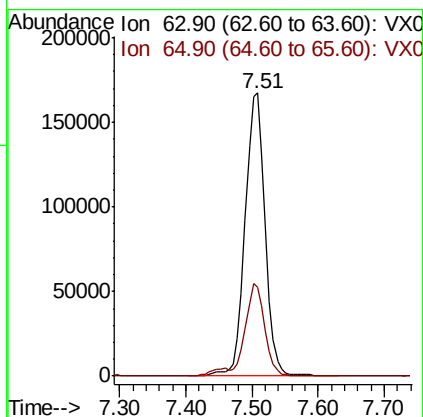
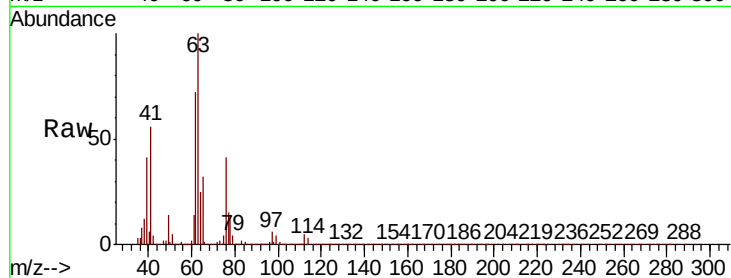
VSTDCCC050

Tot Ion: 63 Resp: 352828

Ion Ratio Lower Upper

63 100

65 31.4 25.5 38.3



#46

Dibromomethane

Concen: 50.035 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

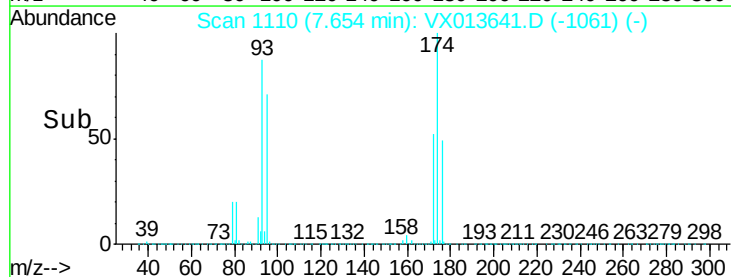
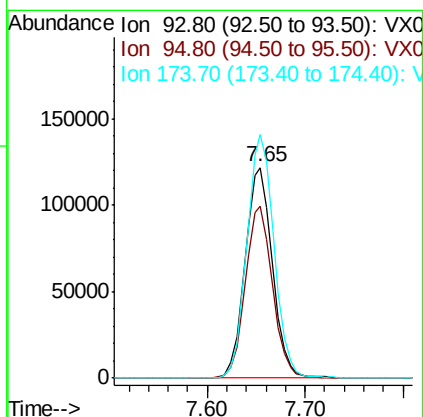
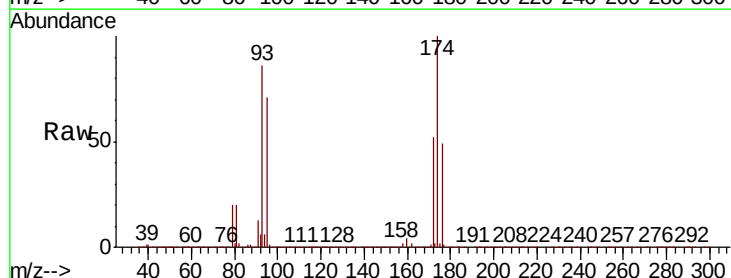
Tgt Ion: 93 Resp: 235101

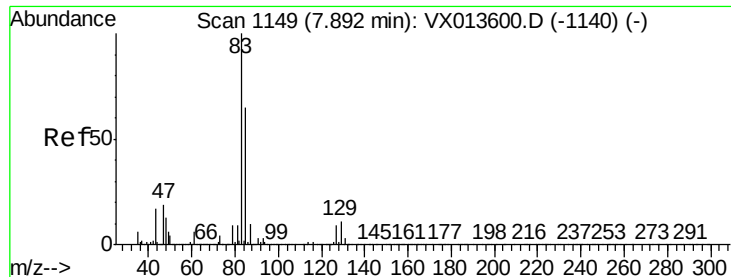
Ion Ratio Lower Upper

93 100

95 81.1 66.2 99.2

174 115.6 93.4 140.0





#47

Bromodichloromethane

Concen: 51.273 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

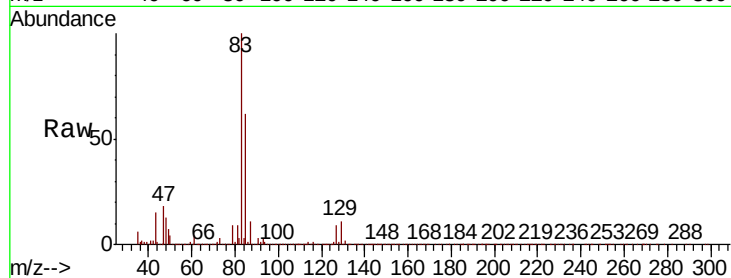
Tot Ion: 83 Resp: 455442

Ion Ratio Lower Upper

83 100

85 61.5 52.1 78.1

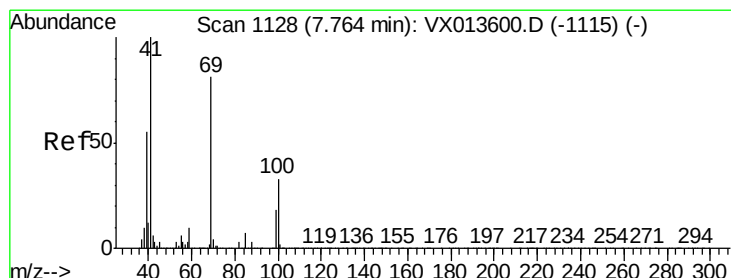
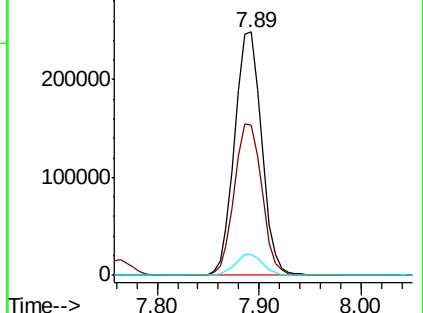
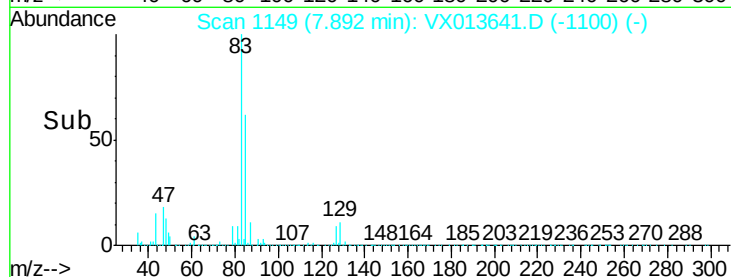
127 8.7 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 51.682 ug/l

RT: 7.76 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

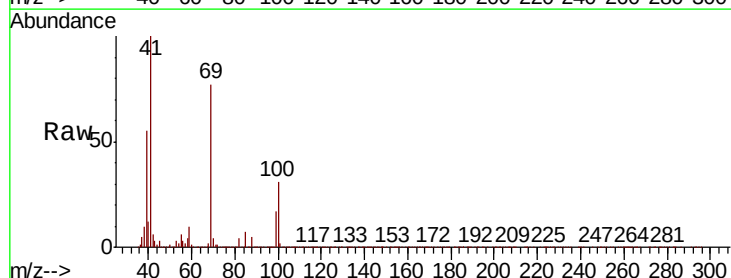
Tgt Ion: 41 Resp: 421055

Ion Ratio Lower Upper

41 100

69 80.6 64.7 97.1

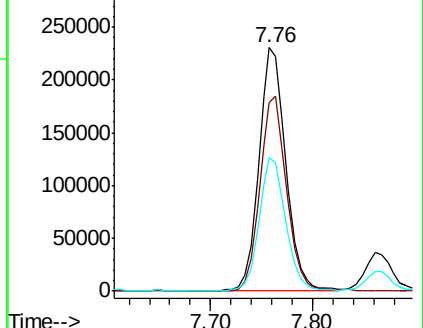
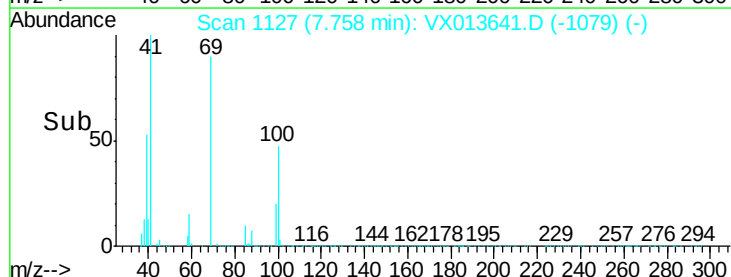
39 54.2 43.8 65.6

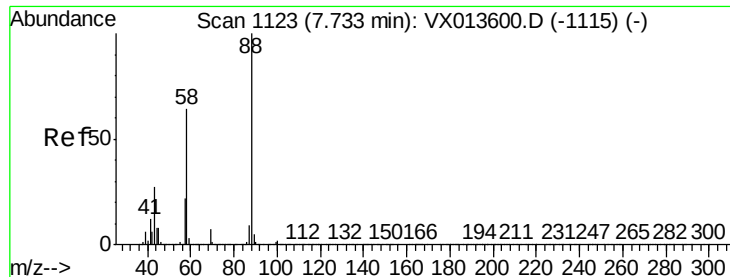


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 864.201 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

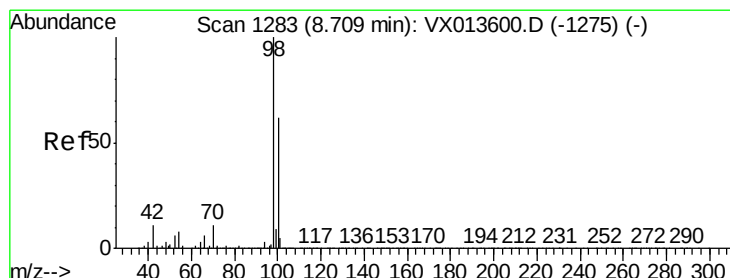
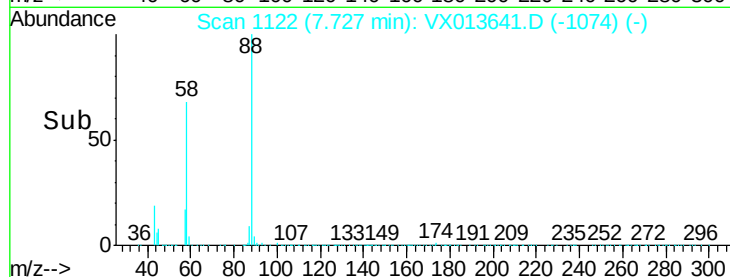
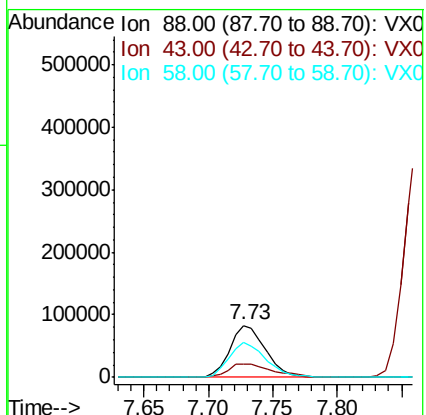
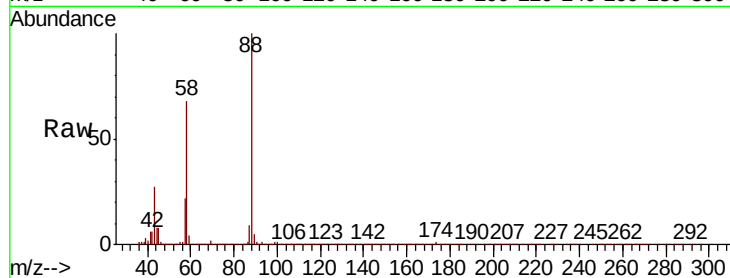
Tot Ion: 88 Resp: 157599

Ion Ratio Lower Upper

88 100

43 32.9 25.8 38.6

58 70.4 54.6 82.0



#50

Toluene-d8

Concen: 46.470 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013641.D

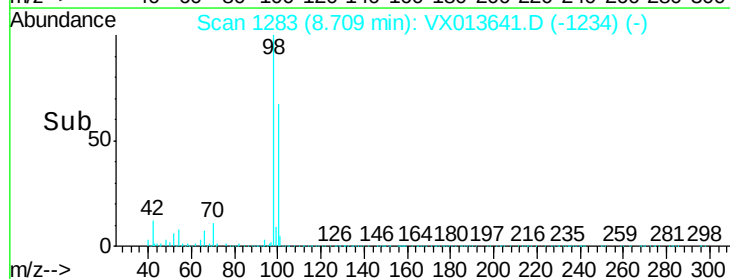
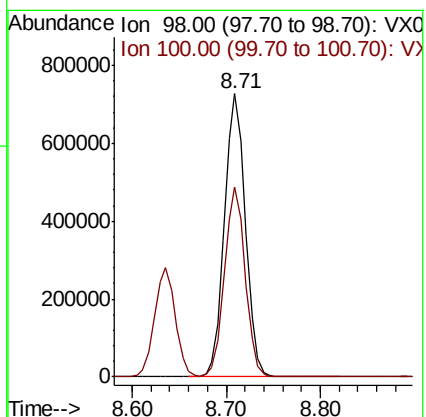
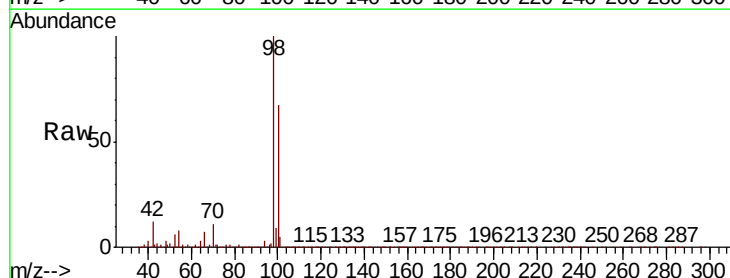
Acq: 27 Nov 2019 10:22

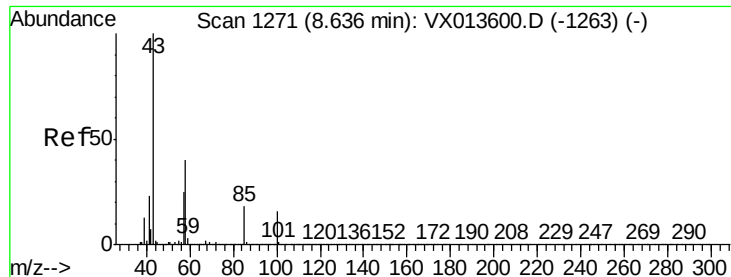
Tgt Ion: 98 Resp: 1119468

Ion Ratio Lower Upper

98 100

100 66.4 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 245.944 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

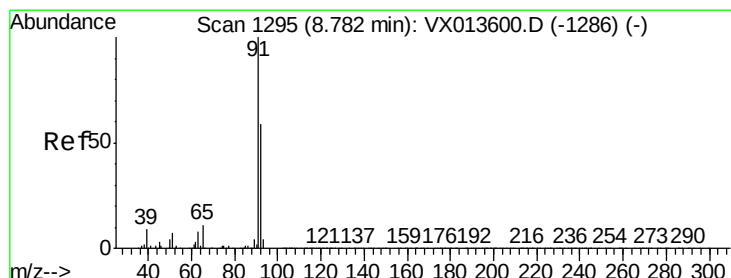
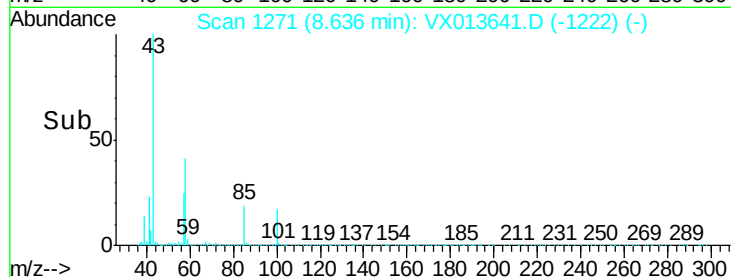
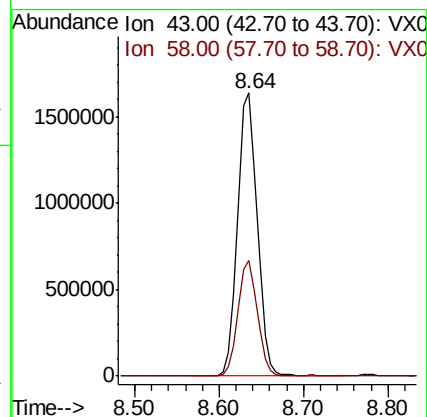
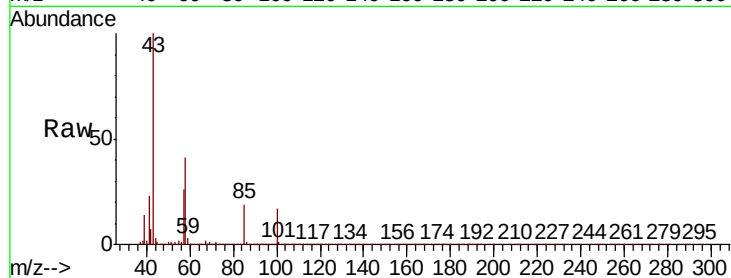
VSTDCCC050

Tot Ion: 43 Resp: 2594067

Ion Ratio Lower Upper

43 100

58 40.1 32.1 48.1



#52

Toluene

Concen: 49.468 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX013641.D

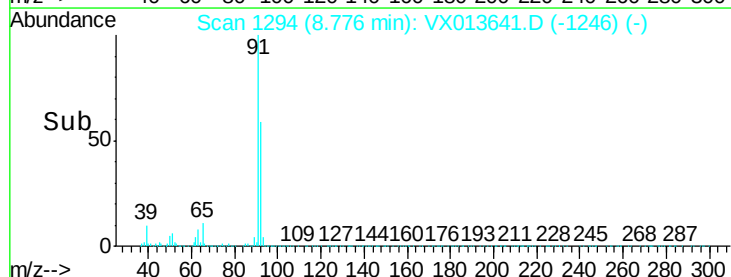
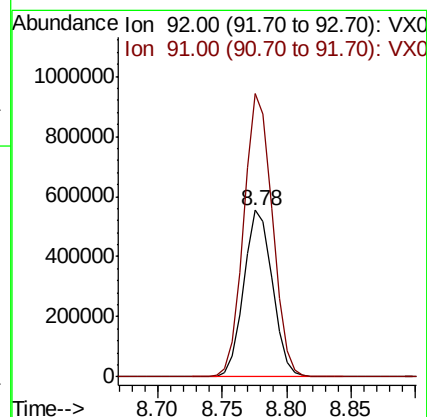
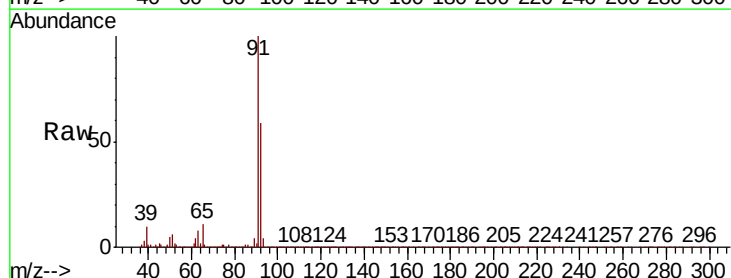
Acq: 27 Nov 2019 10:22

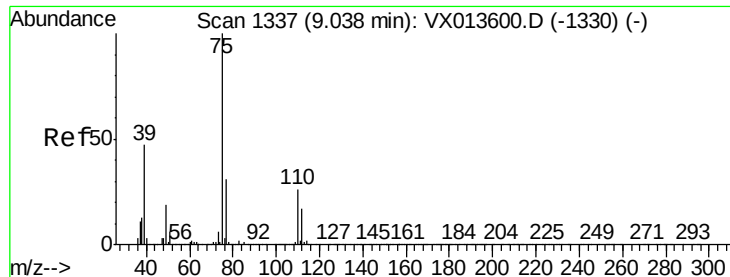
Tgt Ion: 92 Resp: 849757

Ion Ratio Lower Upper

92 100

91 170.3 136.2 204.2





#53

t-1,3-Dichloropropene

Concen: 51.247 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

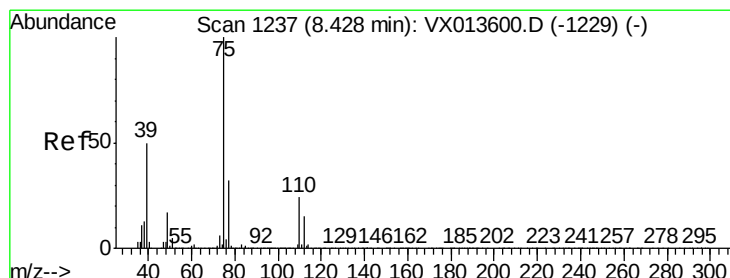
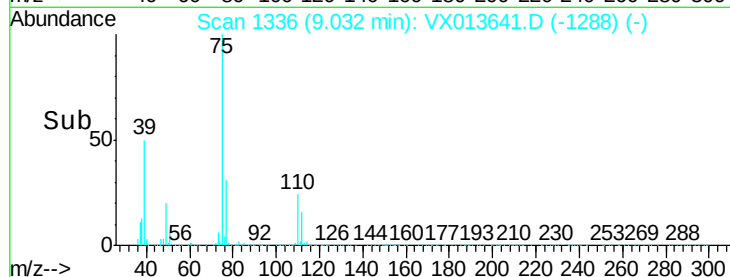
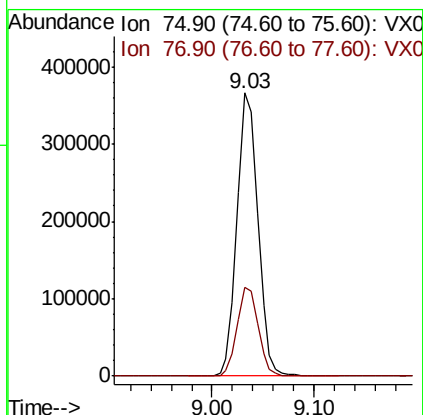
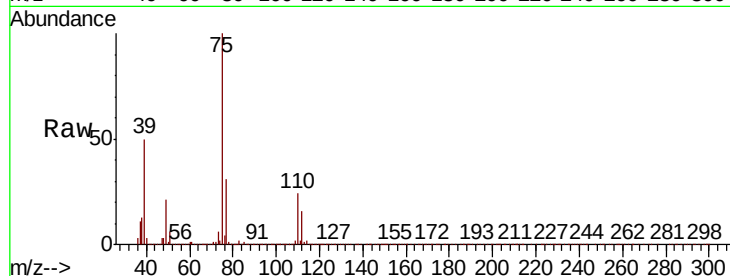
VSTDCCC050

Tot Ion: 75 Resp: 518143

Ion Ratio Lower Upper

75 100

77 31.3 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 51.781 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

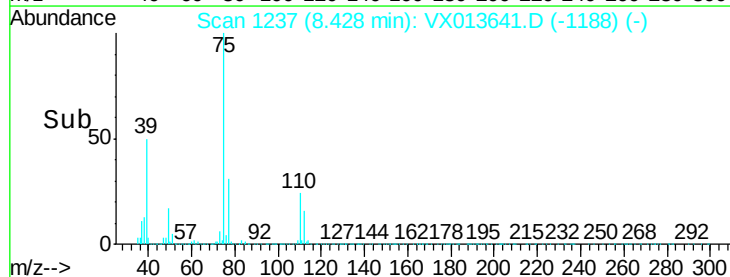
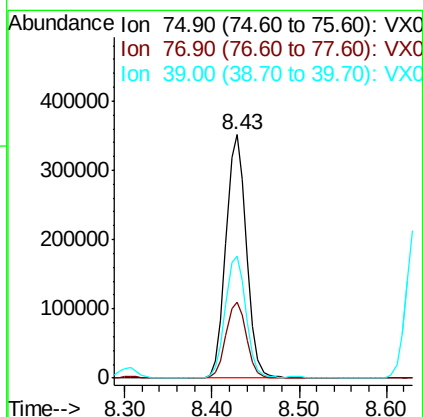
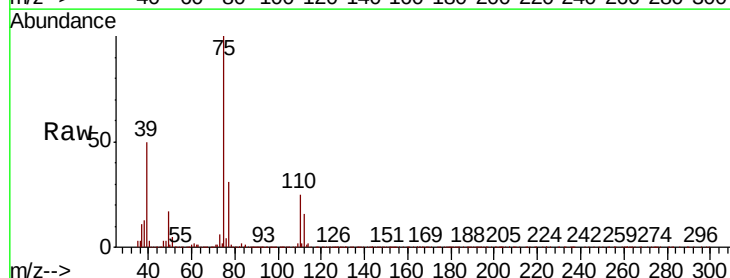
Tgt Ion: 75 Resp: 571980

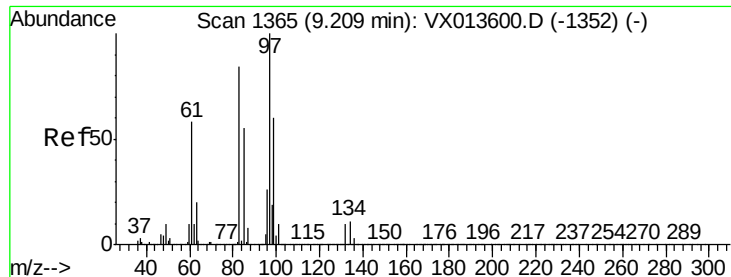
Ion Ratio Lower Upper

75 100

77 31.1 25.8 38.6

39 50.0 39.9 59.9





#55

1,1,2-Trichloroethane

Concen: 50.785 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 351555

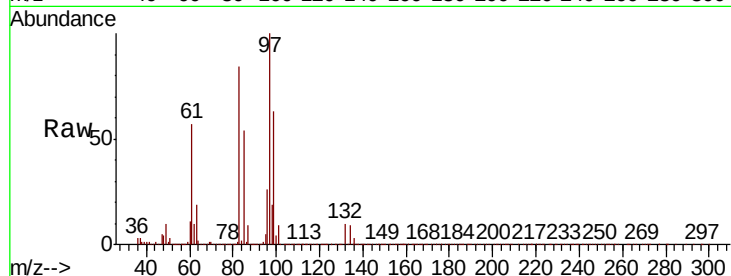
Ion Ratio Lower Upper

97 100

83 84.2 67.3 100.9

85 53.8 43.6 65.4

99 62.9 48.2 72.4

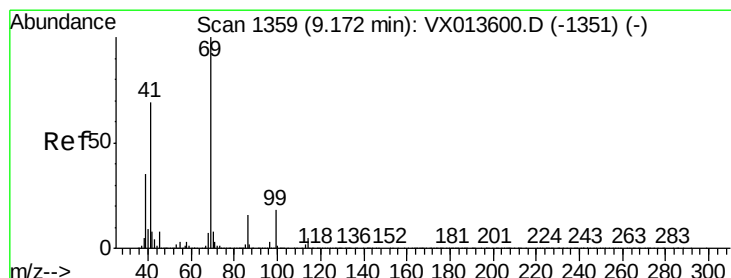
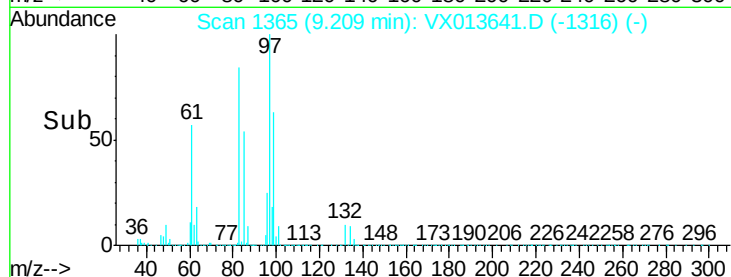
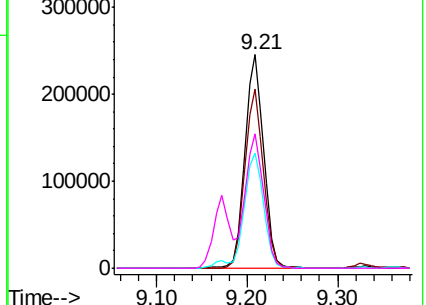


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 51.547 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

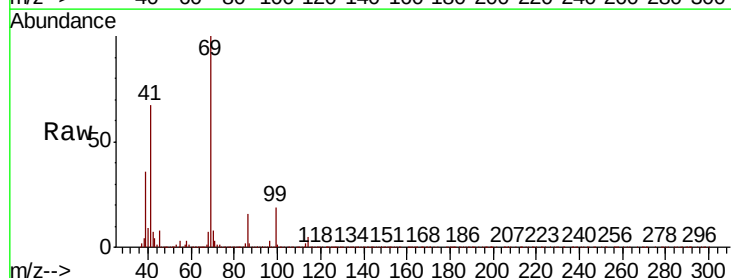
Tgt Ion: 69 Resp: 573688

Ion Ratio Lower Upper

69 100

41 68.0 55.0 82.4

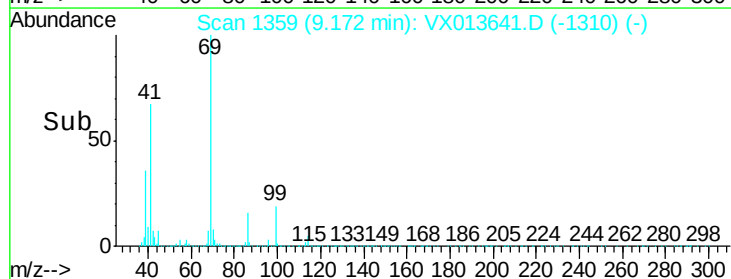
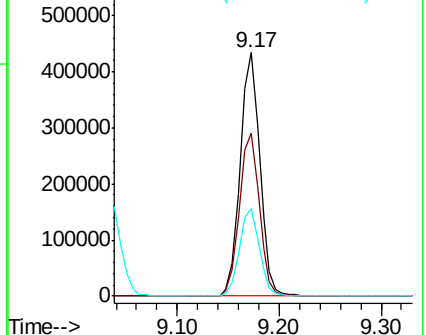
39 36.2 28.7 43.1

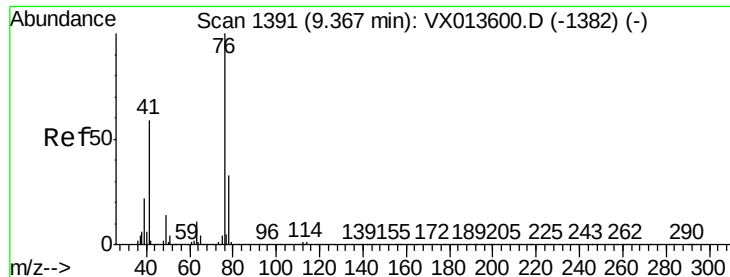


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 49.613 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

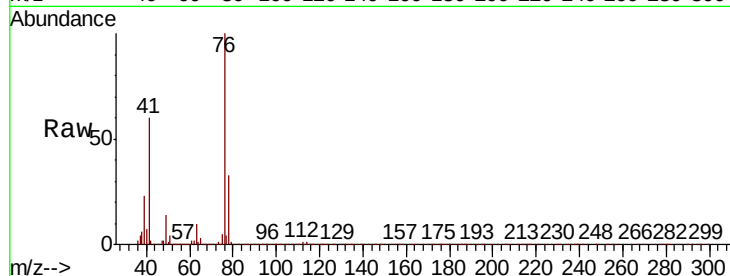
VSTDCCC050

Tot Ion: 76 Resp: 591985

Ion Ratio Lower Upper

76 100

78 32.2 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

400000

300000

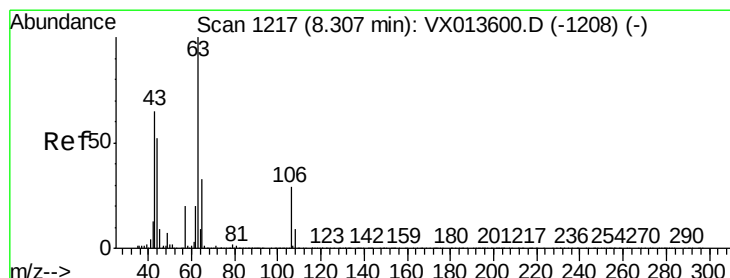
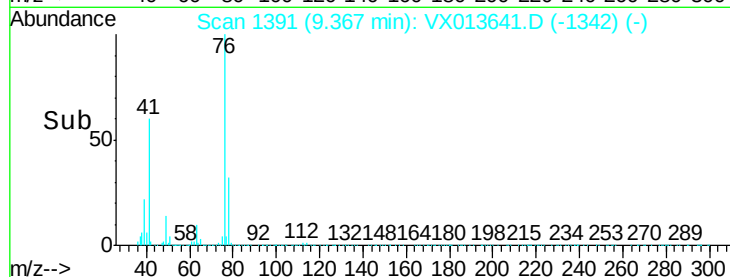
200000

100000

0

Time-->

9.25 9.30 9.35 9.40 9.45



#58

2-Chloroethyl Vinyl ether

Concen: 247.498 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX013641.D

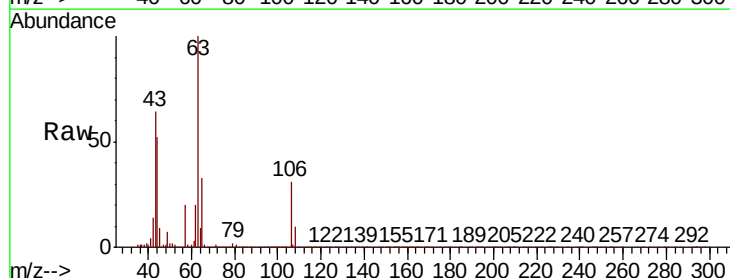
Acq: 27 Nov 2019 10:22

Tgt Ion: 63 Resp: 1079978

Ion Ratio Lower Upper

63 100

106 29.5 23.4 35.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

800000

600000

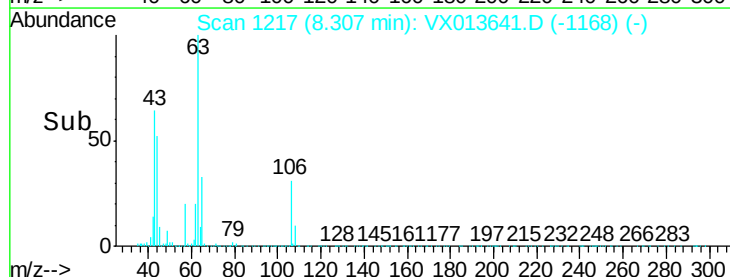
400000

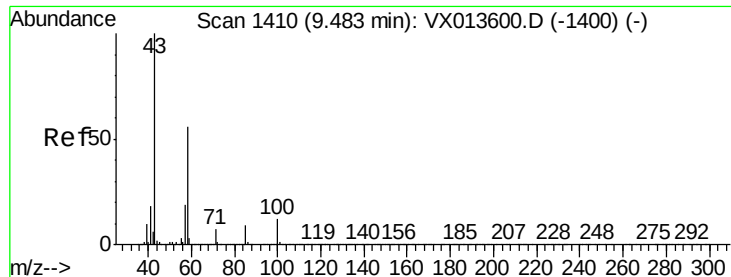
200000

0

Time-->

8.20 8.30 8.40

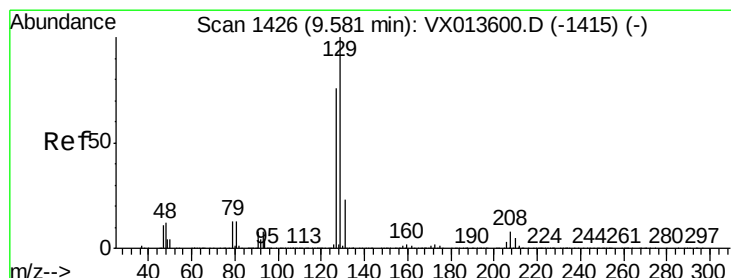
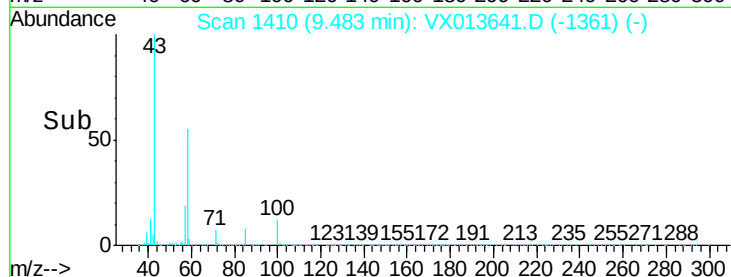
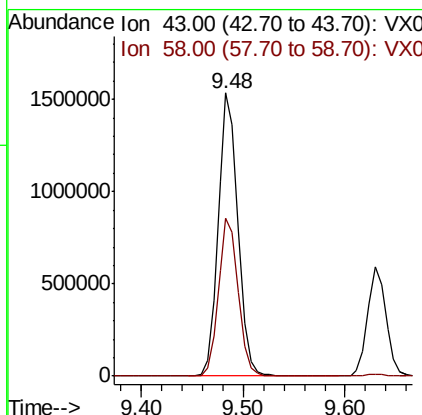
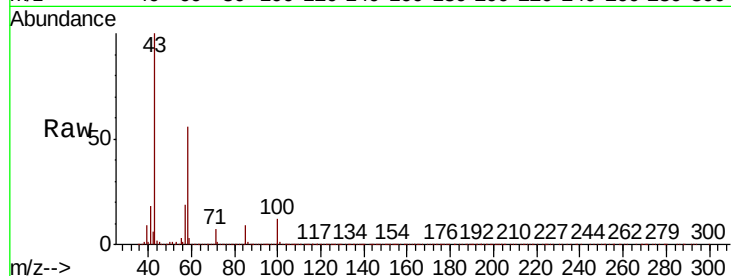




#59
2-Hexanone
Concen: 252.855 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

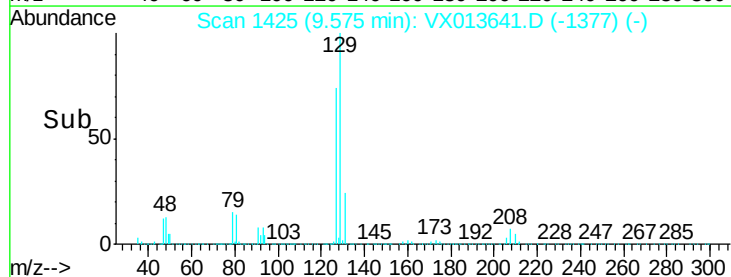
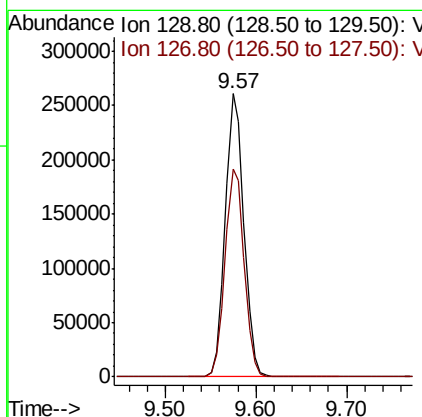
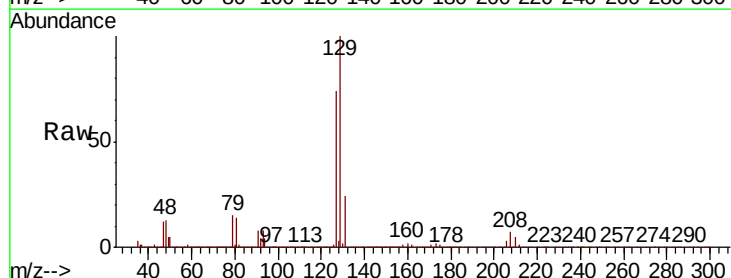
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

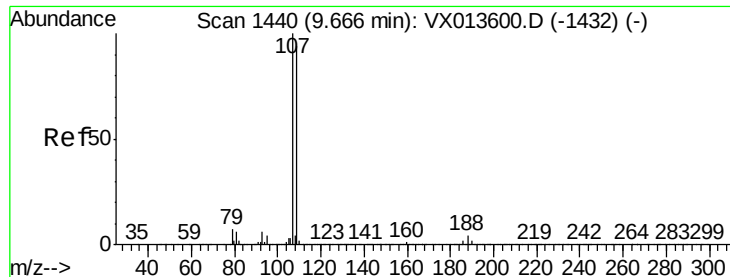
Tot Ion: 43 Resp: 2080034
Ion Ratio Lower Upper
43 100
58 55.9 28.1 84.4



#60
Dibromochloromethane
Concen: 51.613 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Tgt Ion: 129 Resp: 370790
Ion Ratio Lower Upper
129 100
127 75.8 38.5 115.5

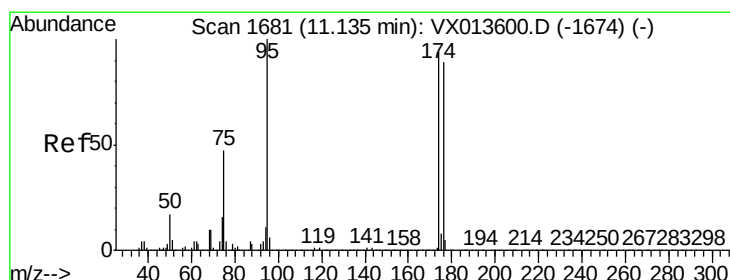
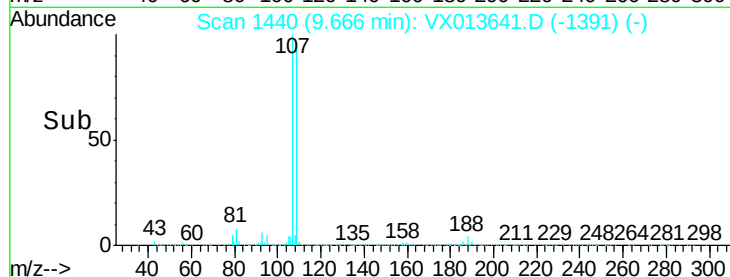
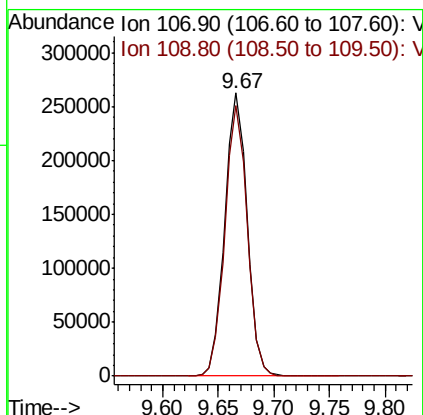
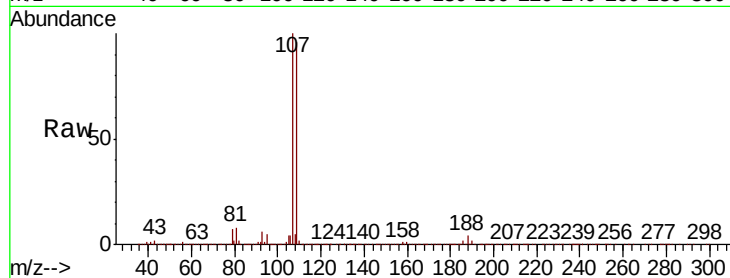




#61
 1,2-Dibromoethane
 Concen: 49.424 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX013641.D
 Acq: 27 Nov 2019 10:22

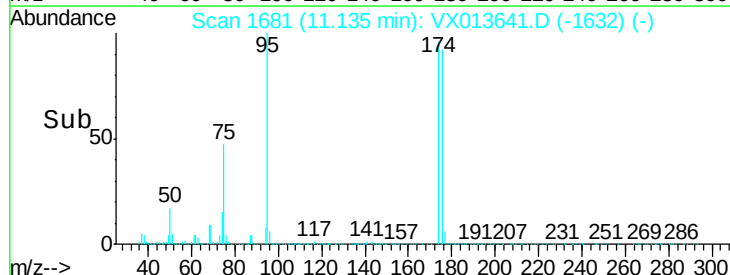
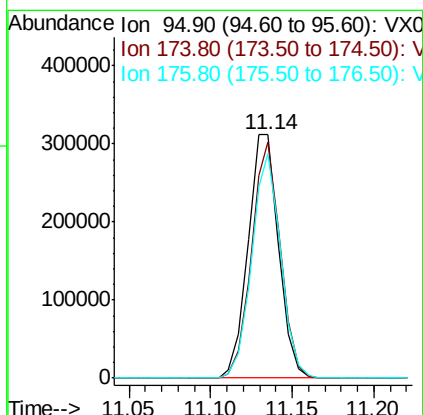
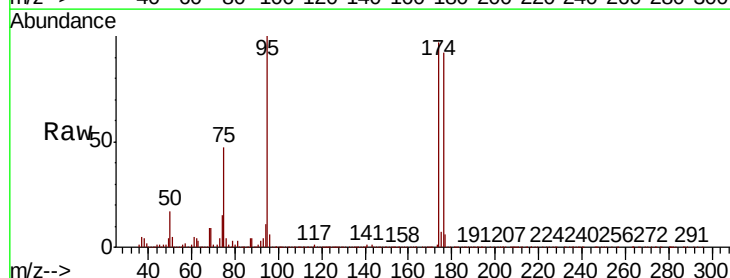
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

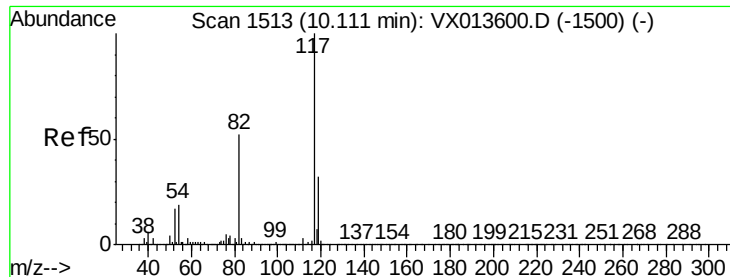
Tot Ion:107 Resp: 365415
 Ion Ratio Lower Upper
 107 100
 109 95.5 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 46.822 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX013641.D
 Acq: 27 Nov 2019 10:22

Tgt Ion: 95 Resp: 406741
 Ion Ratio Lower Upper
 95 100
 174 91.5 0.0 180.0
 176 87.7 0.0 173.6

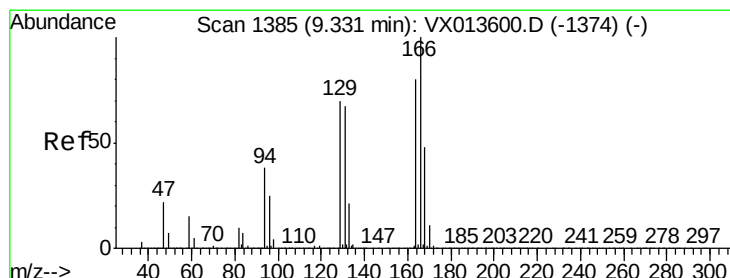
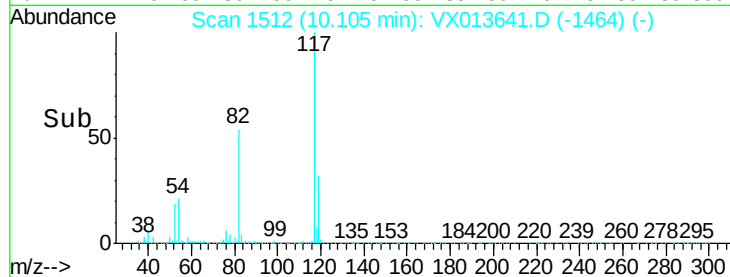
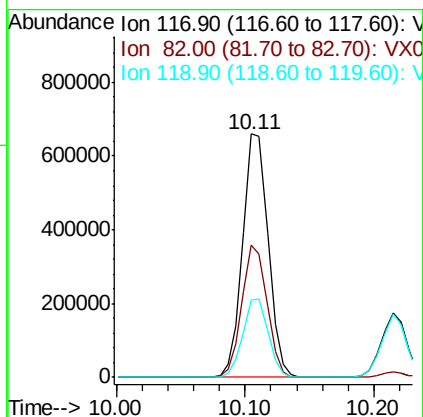
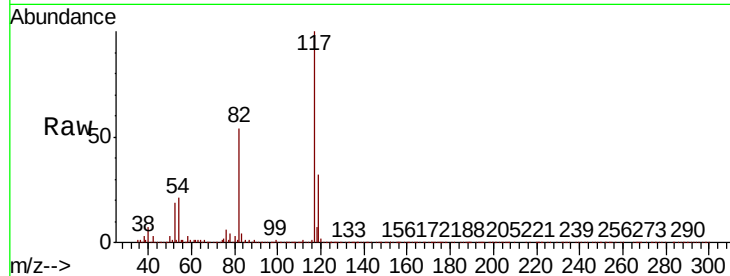




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

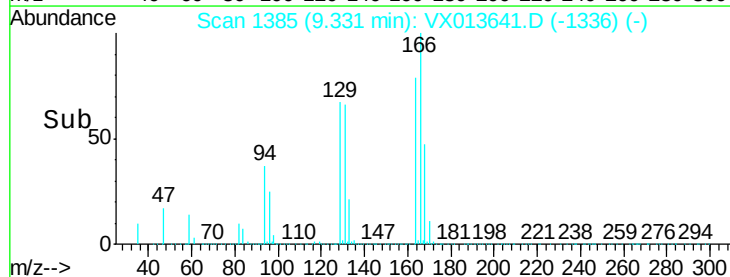
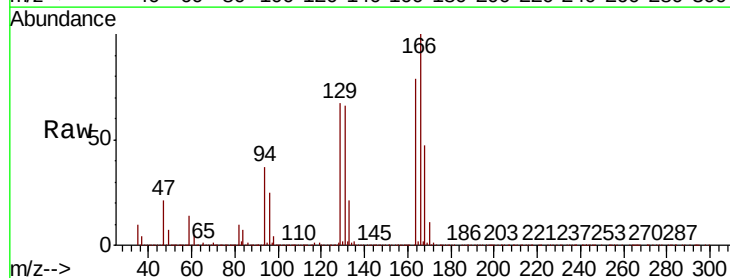
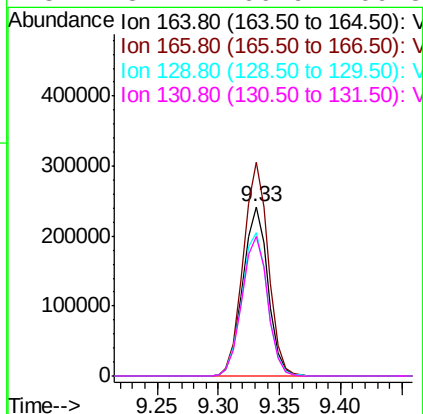
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

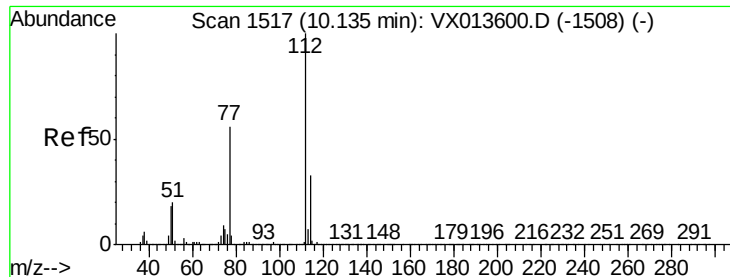
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	41.8	62.8
119	31.8	25.8	38.8



#64
Tetrachloroethene
Concen: 51.106 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	99.7	149.5
129	84.6	70.1	105.1
131	82.7	66.9	100.3





#65

Chlorobenzene

Concen: 48.444 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

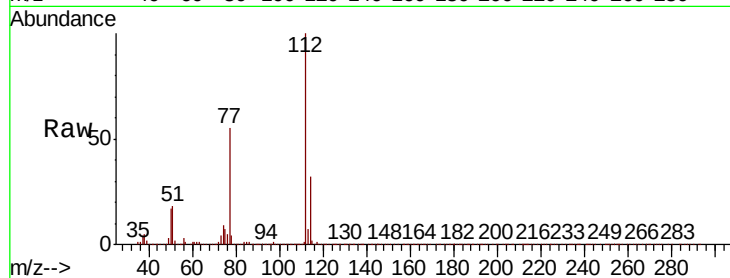
VSTDCCC050

Tot Ion:112 Resp: 908676

Ion Ratio Lower Upper

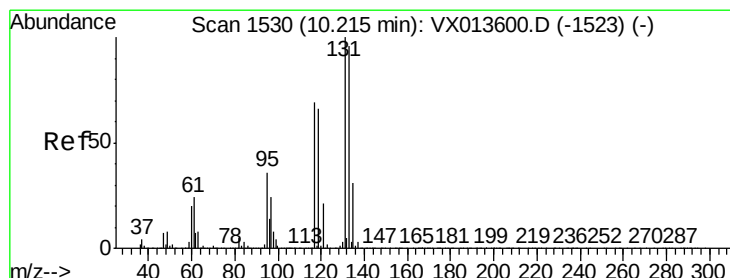
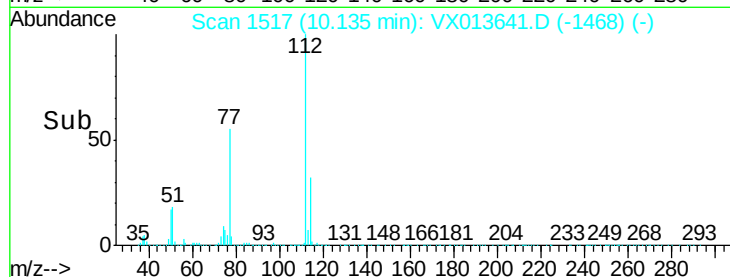
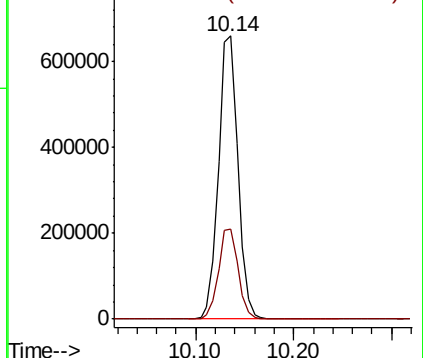
112 100

114 31.7 26.1 39.1



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.910 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

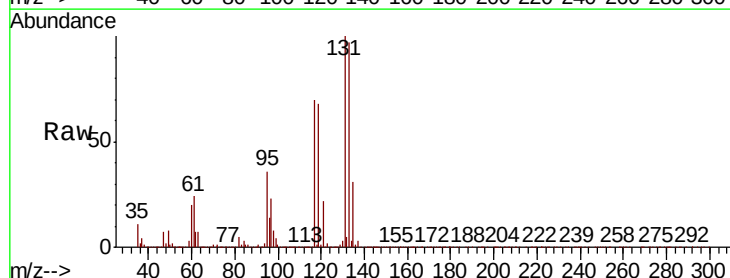
Tgt Ion:131 Resp: 342903

Ion Ratio Lower Upper

131 100

133 94.4 47.7 143.1

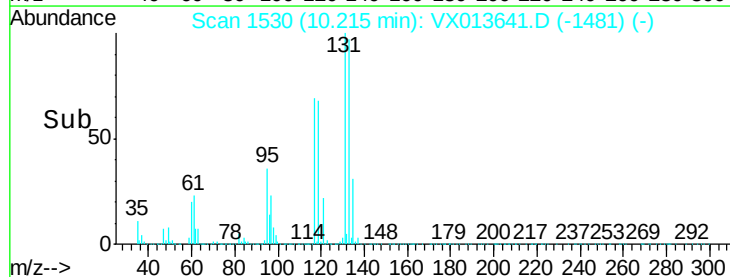
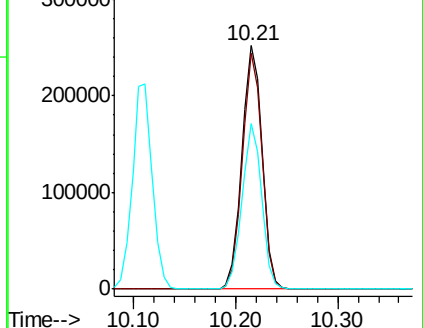
119 65.6 32.9 98.6

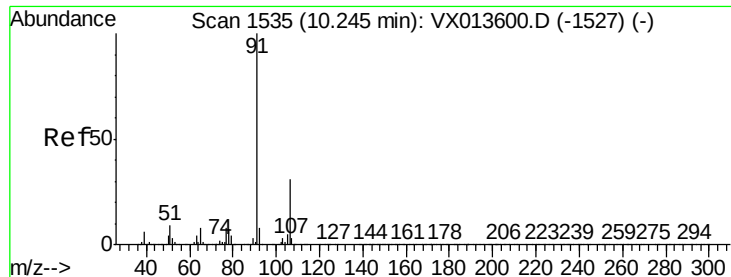


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 50.353 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

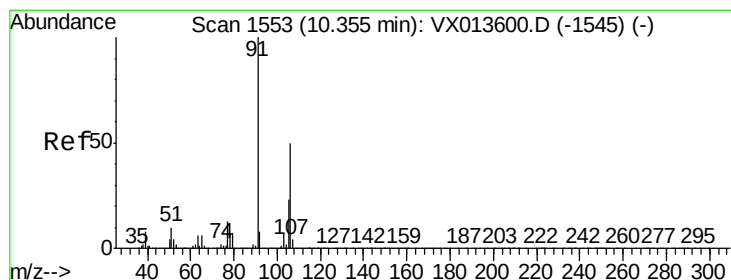
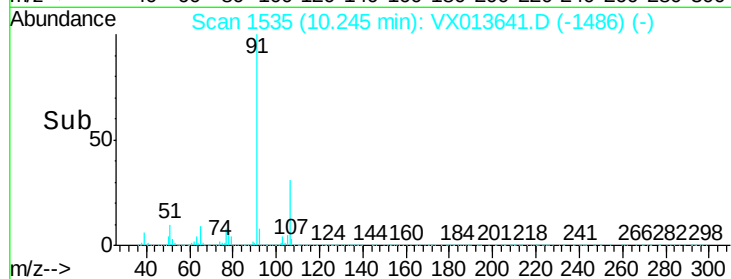
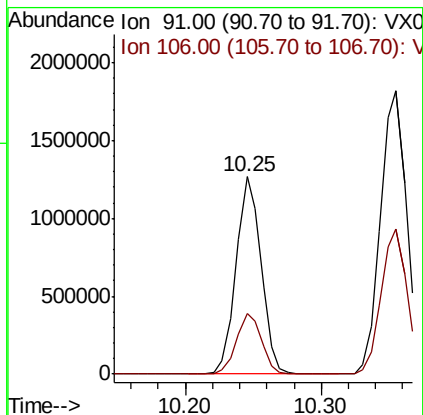
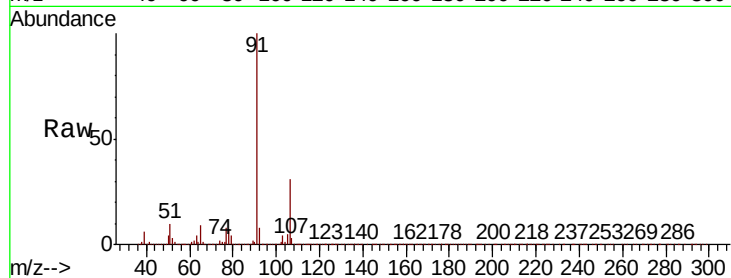
VSTDCCC050

Tot Ion: 91 Resp: 1622987

Ion Ratio Lower Upper

91 100

106 30.6 24.5 36.7



#68

m/p-Xylenes

Concen: 100.120 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX013641.D

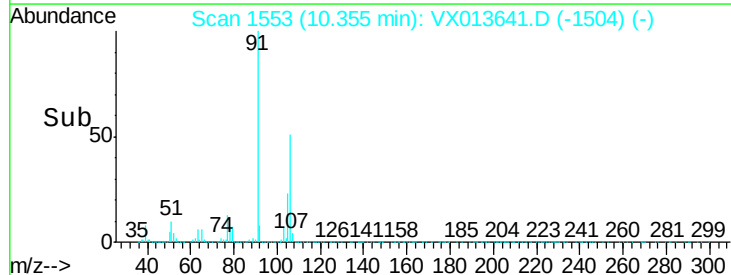
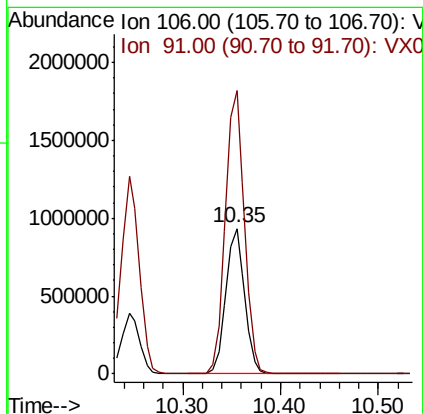
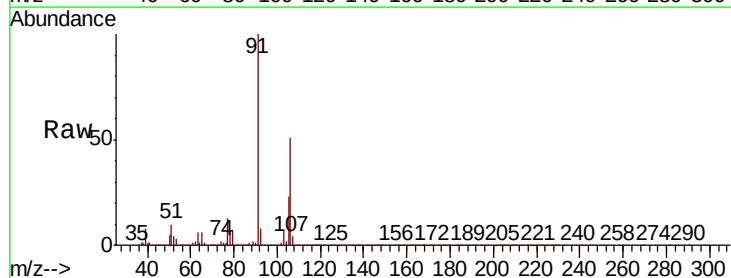
Acq: 27 Nov 2019 10:22

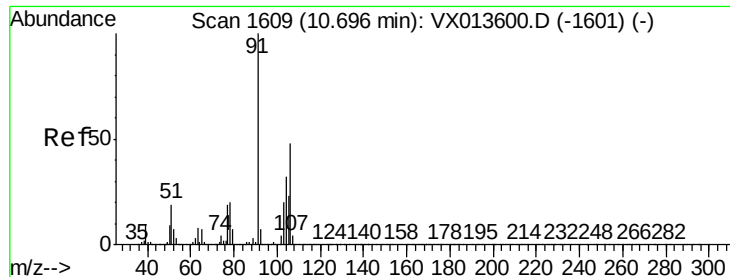
Tgt Ion: 106 Resp: 1235502

Ion Ratio Lower Upper

106 100

91 198.0 159.0 238.4

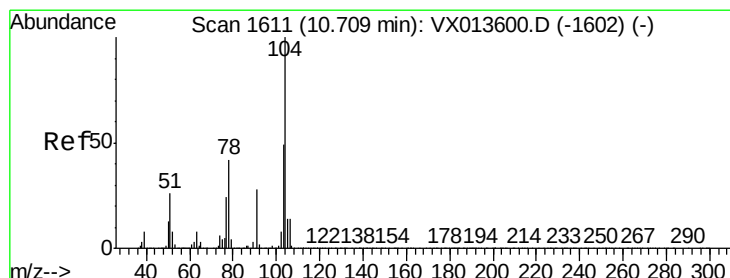
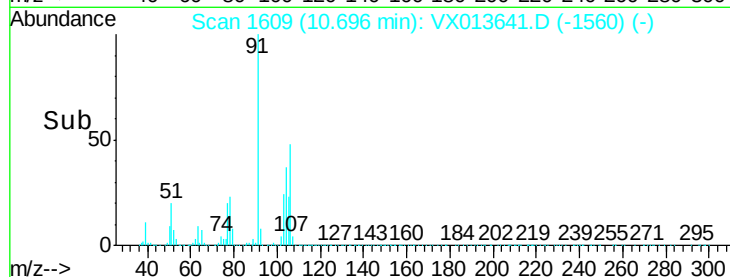
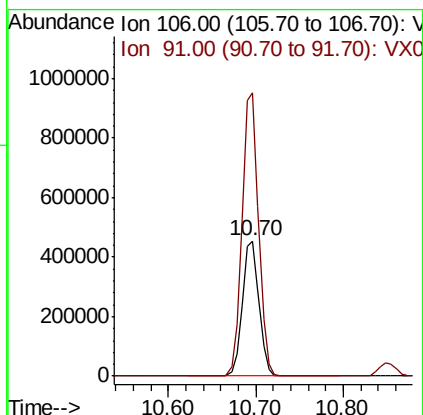
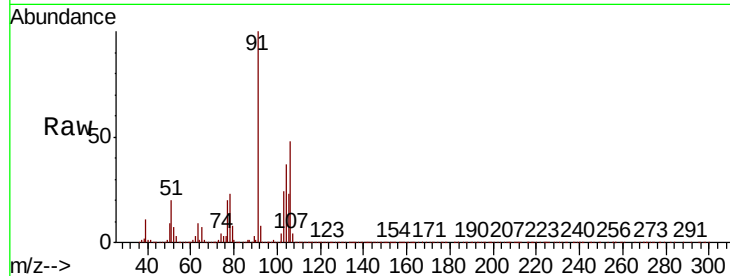




#69
o-Xylene
Concen: 49.865 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

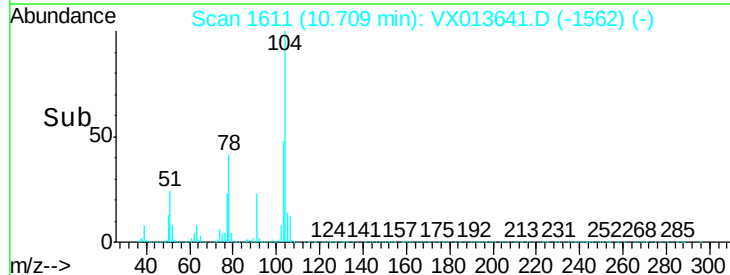
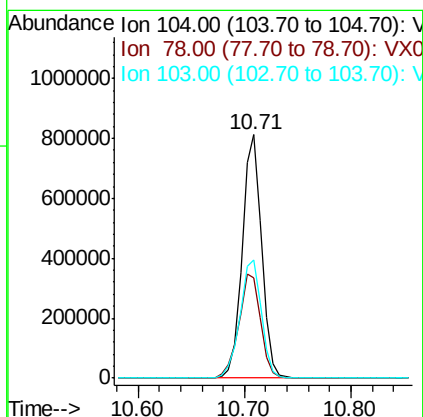
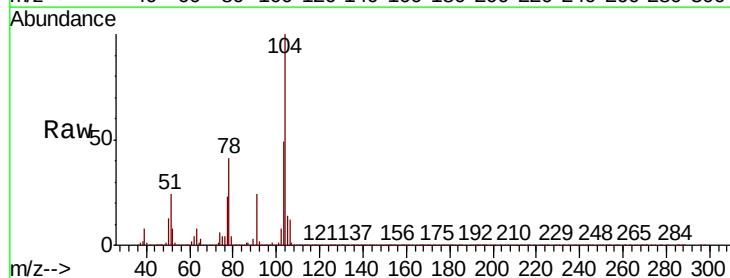
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

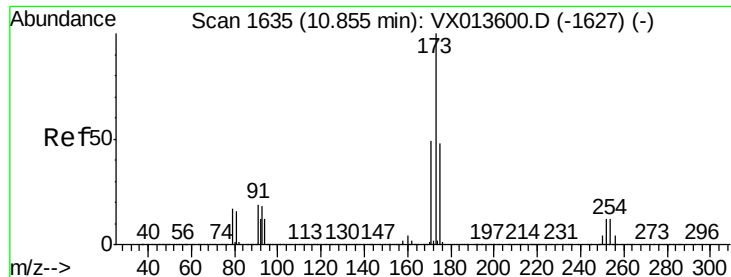
Tot Ion:106 Resp: 600138
Ion Ratio Lower Upper
106 100
91 209.1 104.1 312.2



#70
Styrene
Concen: 51.191 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Tgt Ion:104 Resp: 1036389
Ion Ratio Lower Upper
104 100
78 48.3 38.5 57.7
103 54.1 43.7 65.5

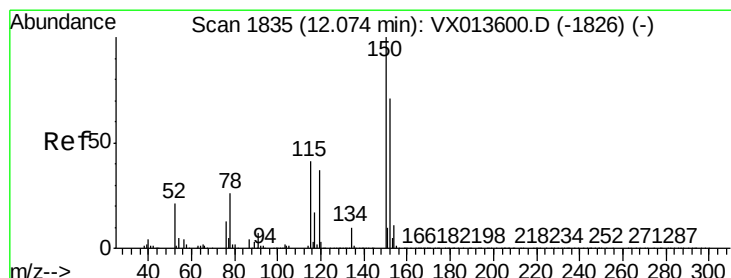
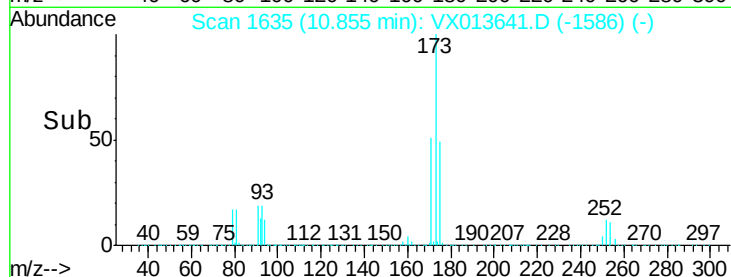
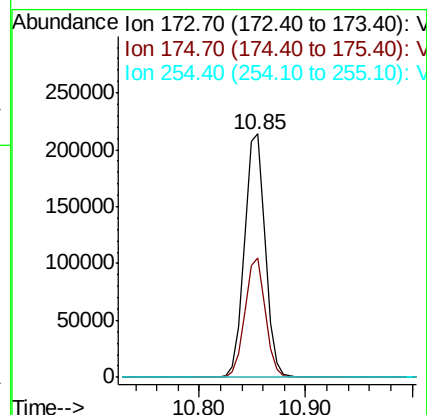
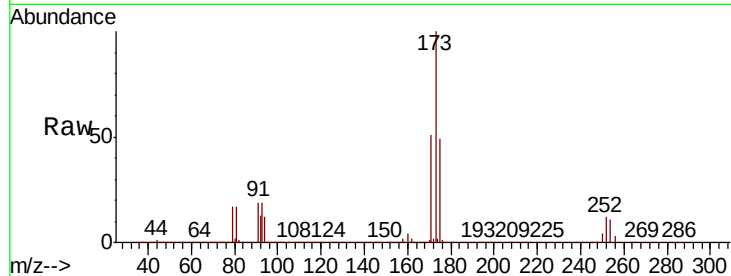




#71
Bromoform
Concen: 52.577 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

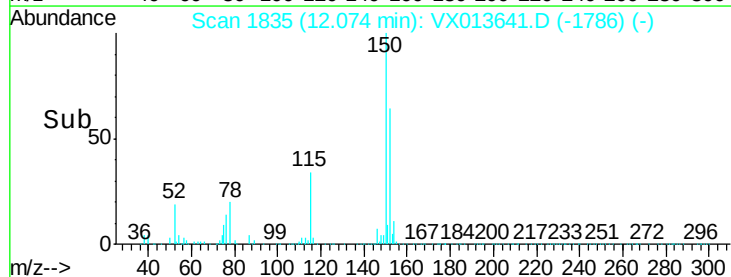
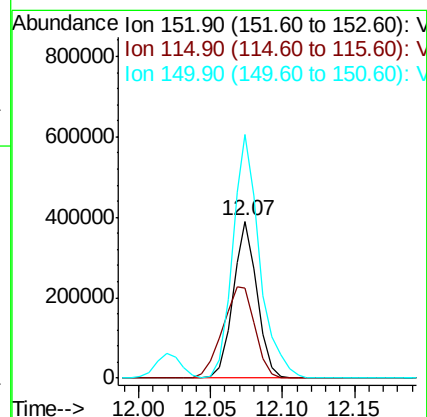
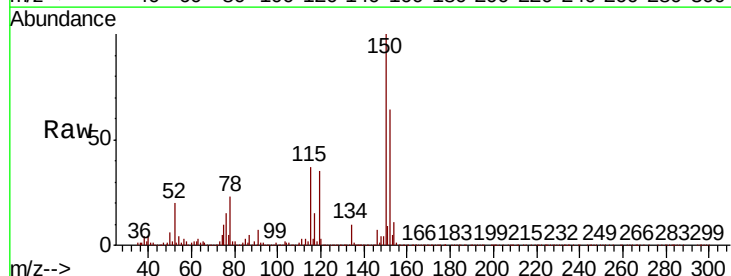
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

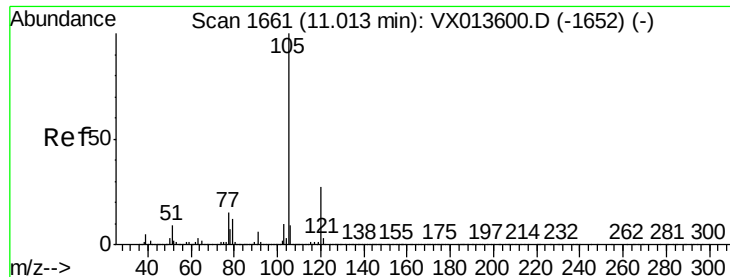
Tot Ion:173 Resp: 293016
Ion Ratio Lower Upper
173 100
175 48.6 24.3 72.8
254 0.1 0.2 0.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Tgt Ion:152 Resp: 454232
Ion Ratio Lower Upper
152 100
115 78.6 38.4 115.1
150 174.1 0.0 346.8





#73

Isopropylbenzene

Concen: 49.782 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

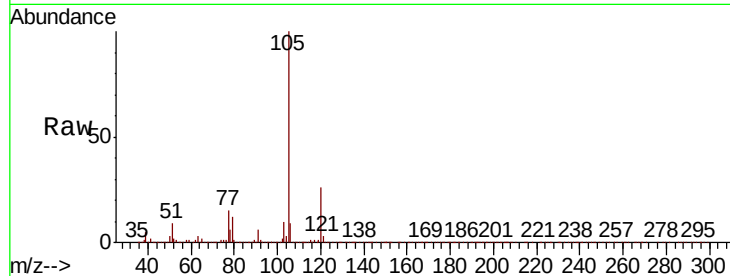
VSTDCCC050

Tot Ion:105 Resp: 1586184

Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

1500000 Ion 120.00 (119.70 to 120.70): V

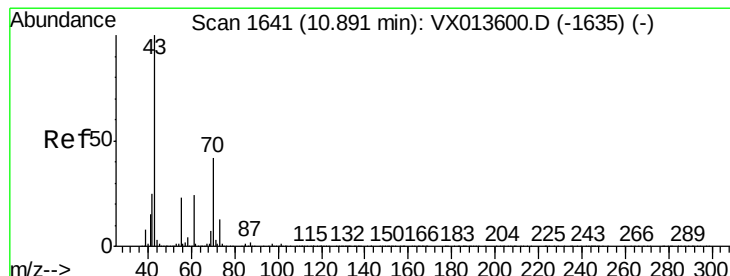
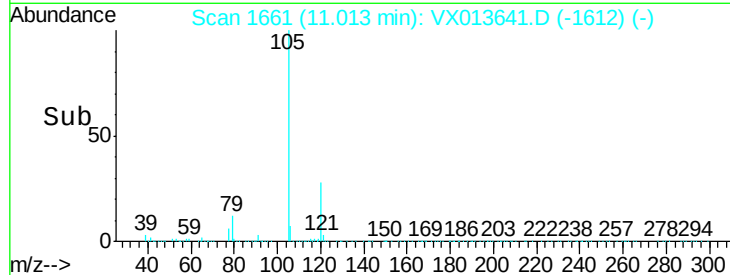
11.01

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 50.869 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Tgt Ion: 43 Resp: 742481

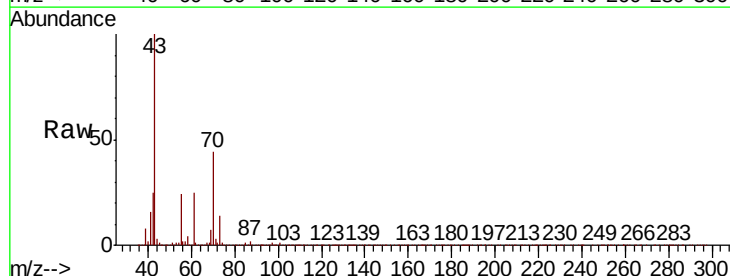
Ion Ratio Lower Upper

43 100

70 43.9 34.3 51.5

55 24.0 18.5 27.7

61 25.3 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

1000000 Ion 70.00 (69.70 to 70.70): VX0

800000 Ion 55.00 (54.70 to 55.70): VX0

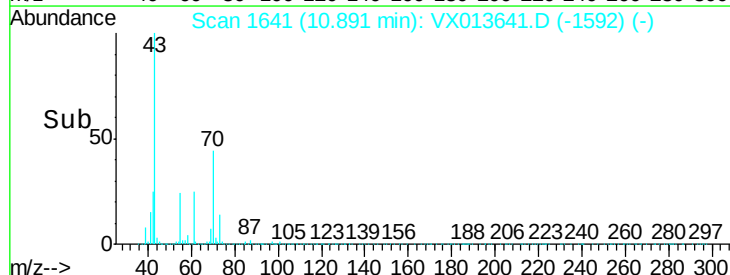
600000 Ion 61.00 (60.70 to 61.70): VX0

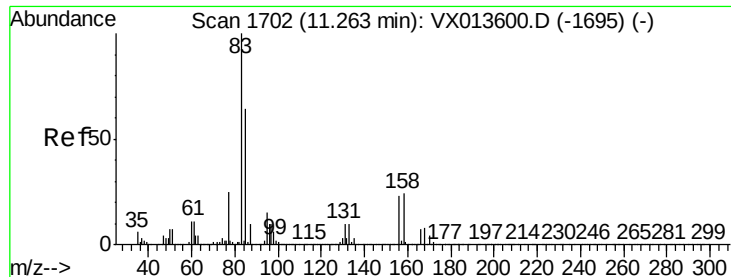
400000

200000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.279 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

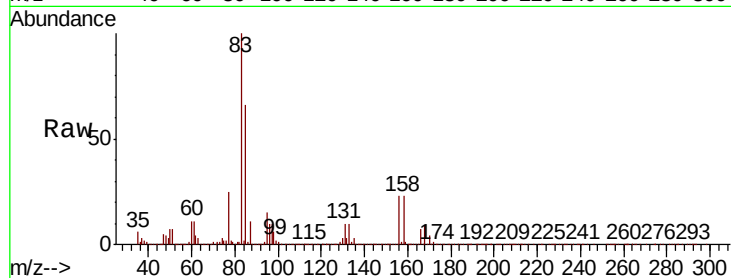
Tot Ion: 83 Resp: 544523

Ion Ratio Lower Upper

83 100

131 10.2 5.1 15.3

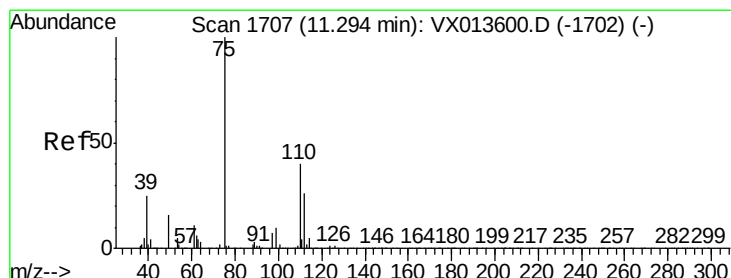
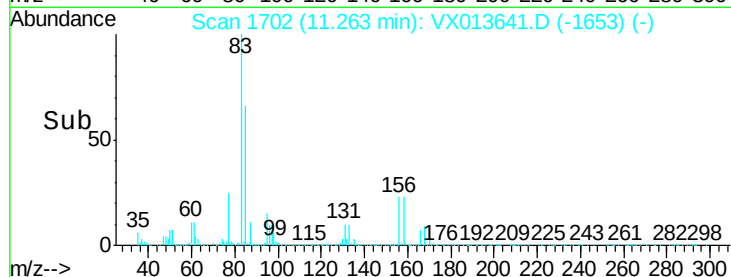
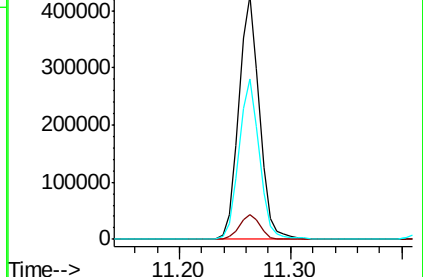
85 65.8 31.8 95.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 61.821 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX013641.D

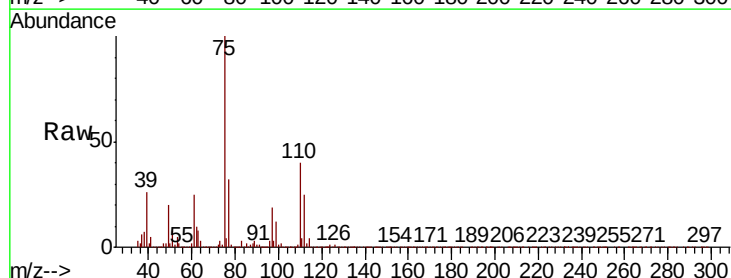
Acq: 27 Nov 2019 10:22

Tgt Ion: 75 Resp: 631593

Ion Ratio Lower Upper

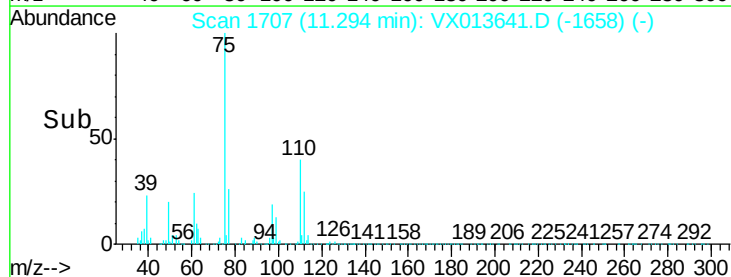
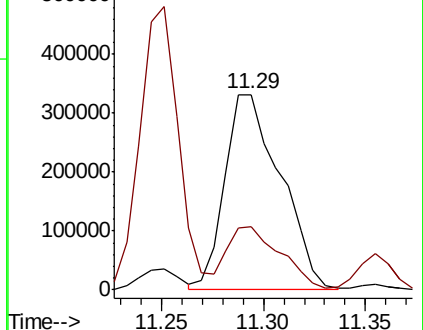
75 100

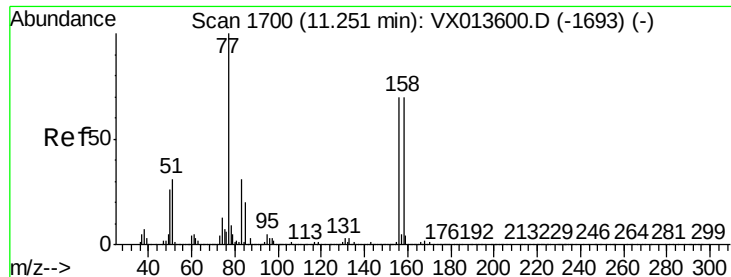
77 30.7 19.1 57.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 48.866 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

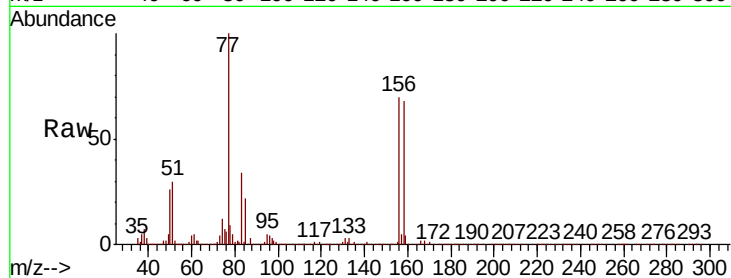
VSTDCCC050

Tot Ion:156 Resp: 420625

Ion	Ratio	Lower	Upper
156	100		
77	150.4	74.4	223.1
158	96.5	48.9	146.6

77 150.4 74.4 223.1

158 96.5 48.9 146.6



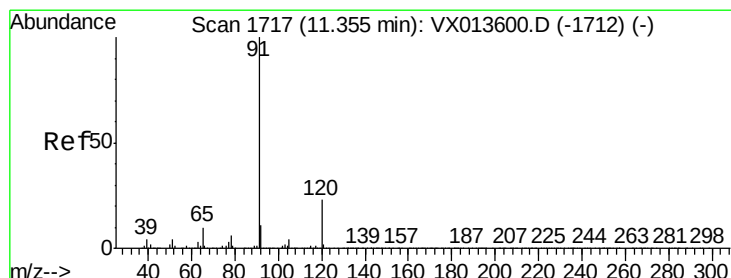
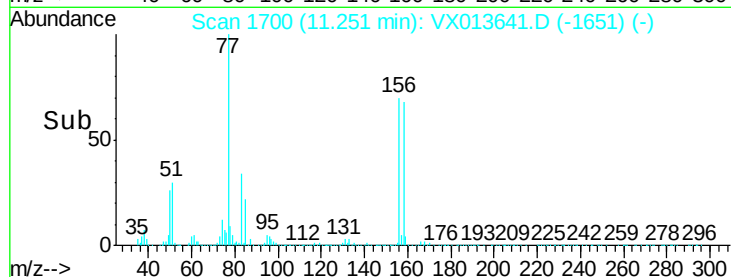
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V

11.25

Time-->



#78

n-propylbenzene

Concen: 50.871 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013641.D

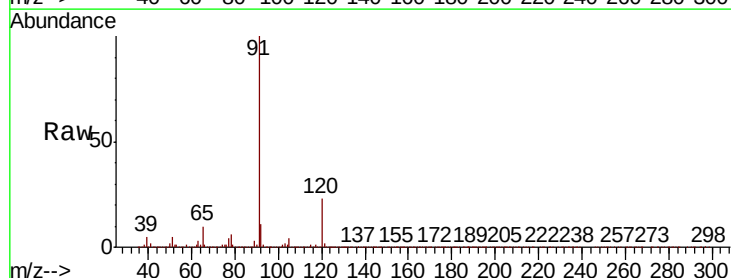
Acq: 27 Nov 2019 10:22

Tgt Ion: 91 Resp: 1809401

Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.8	35.3

91 100

120 23.7 11.8 35.3

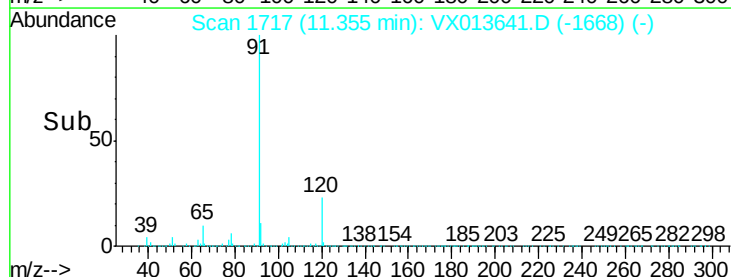


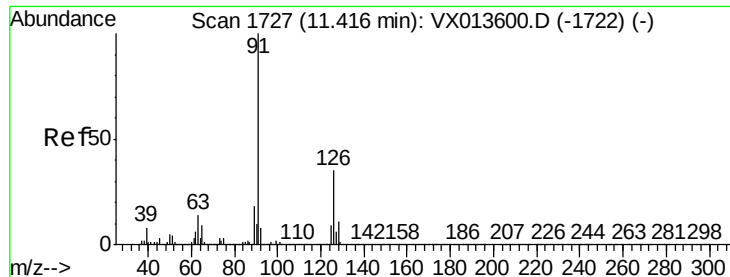
Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

11.35

Time-->





#79

2-Chlorotoluene

Concen: 49.395 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

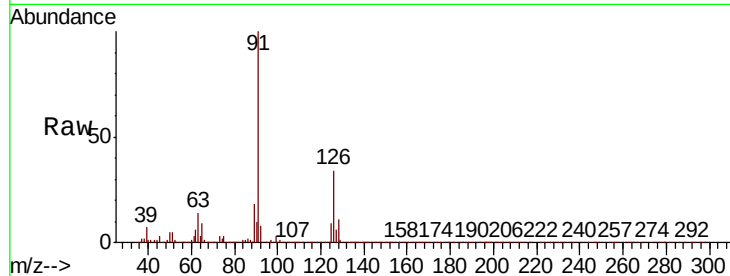
VSTDCCC050

Tot Ion: 91 Resp: 1053927

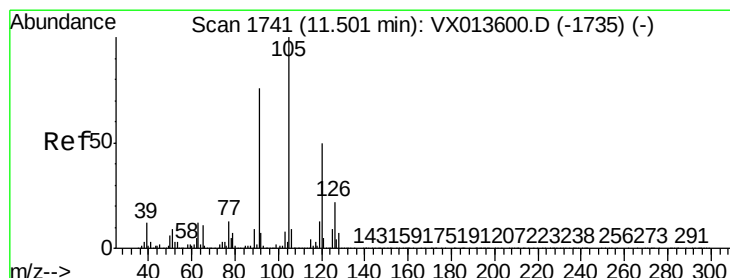
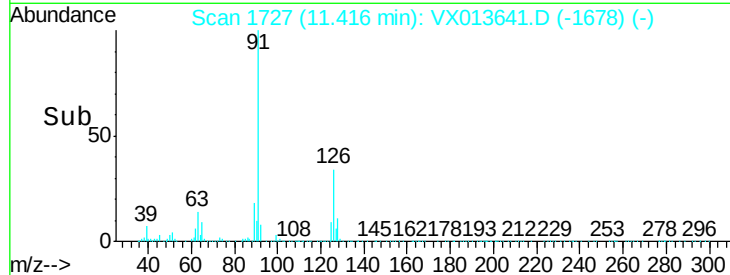
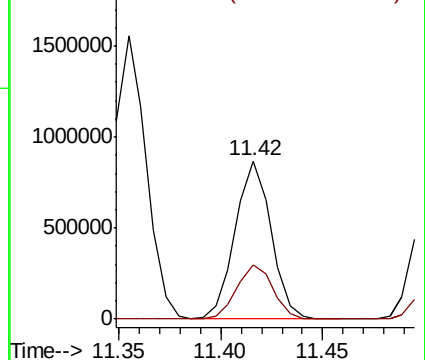
Ion Ratio Lower Upper

91 100

126 35.2 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VX013641.D (-1678) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.232 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013641.D

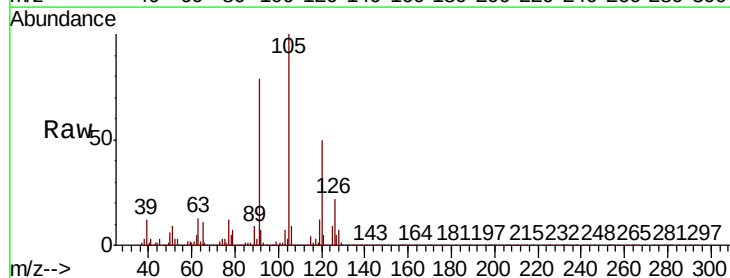
Acq: 27 Nov 2019 10:22

Tgt Ion: 105 Resp: 1337896

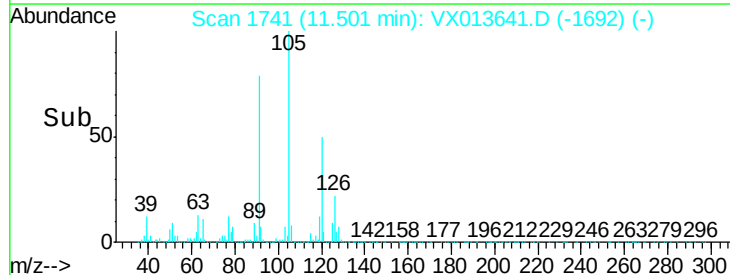
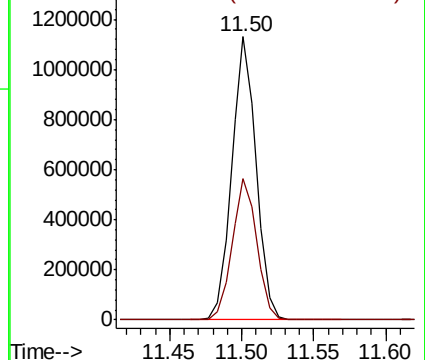
Ion Ratio Lower Upper

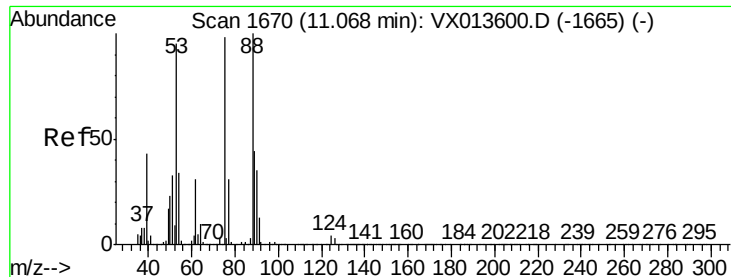
105 100

120 50.5 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): VX013641.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 51.235 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

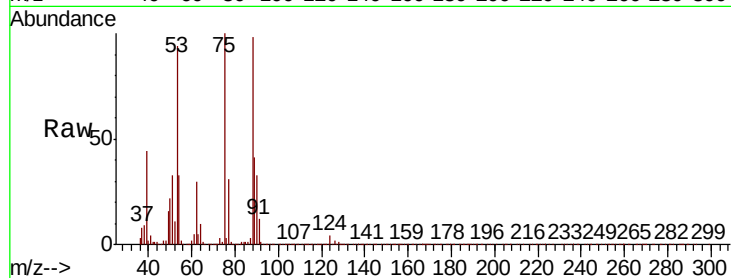
MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 191330

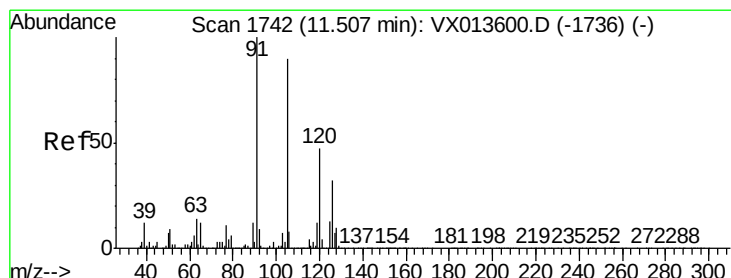
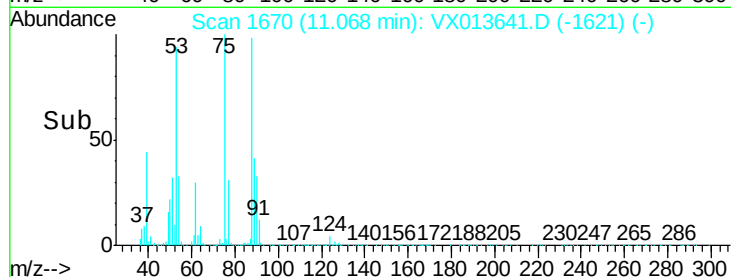
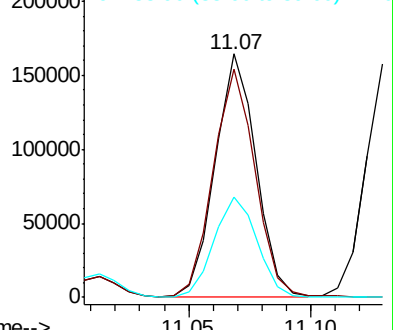
Ion	Ratio	Lower	Upper
75	100		
53	95.4	78.2	117.2
89	43.8	35.4	53.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 49.518 ug/l

RT: 11.51 min Scan# 1742

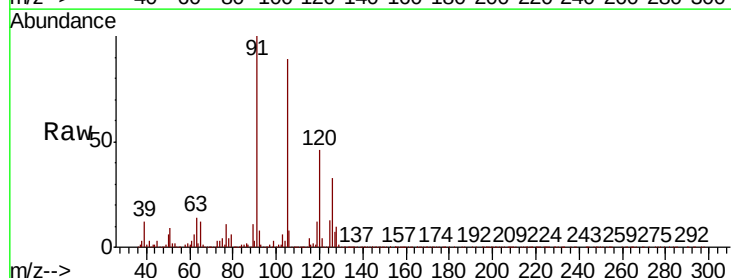
Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

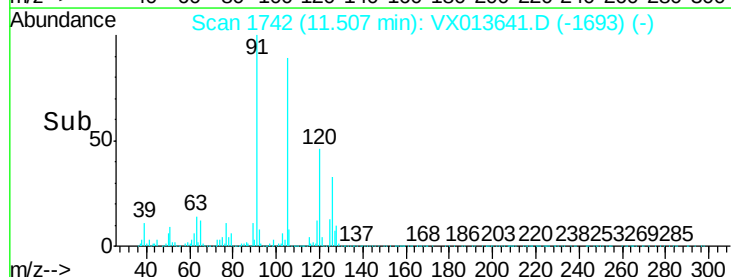
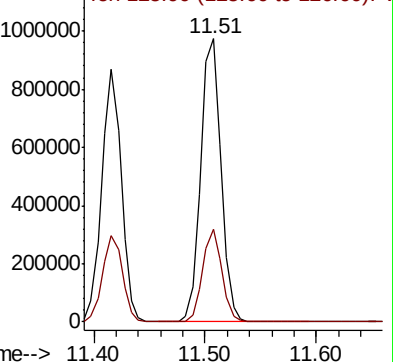
Tgt Ion: 91 Resp: 1223707

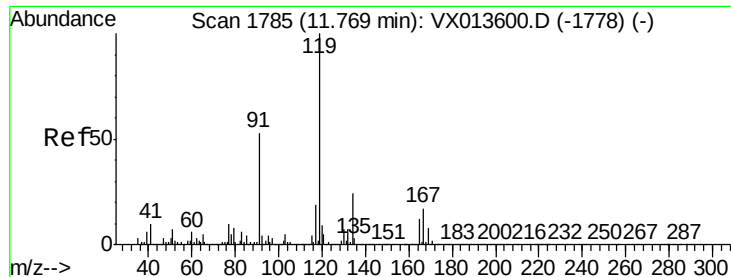
Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.7	47.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 49.825 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

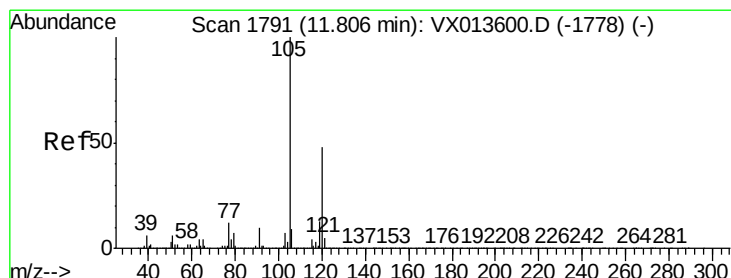
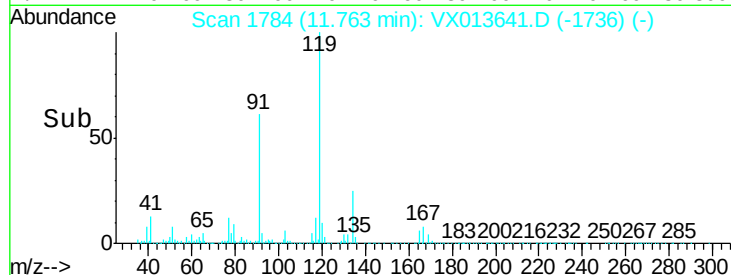
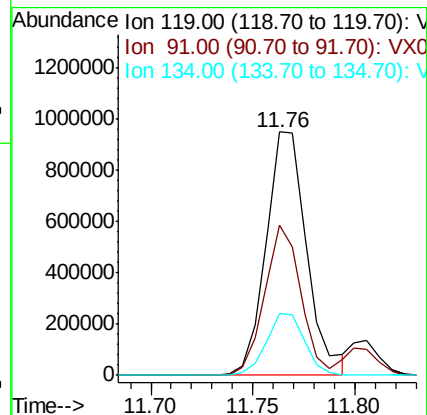
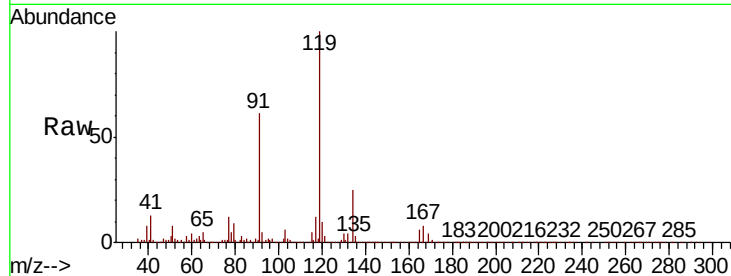
Tot Ion:119 Resp: 1322350

Ion Ratio Lower Upper

119 100

91 54.8 27.2 81.6

134 23.9 11.7 35.1



#84

1,2,4-Trimethylbenzene

Concen: 50.716 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX013641.D

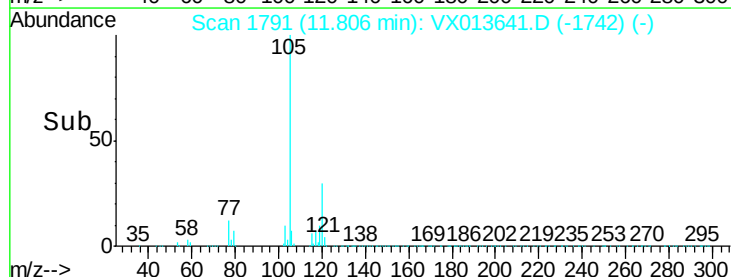
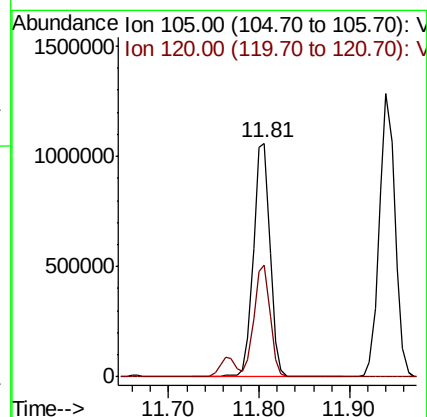
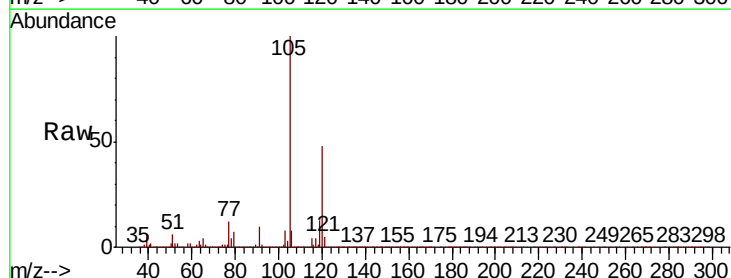
Acq: 27 Nov 2019 10:22

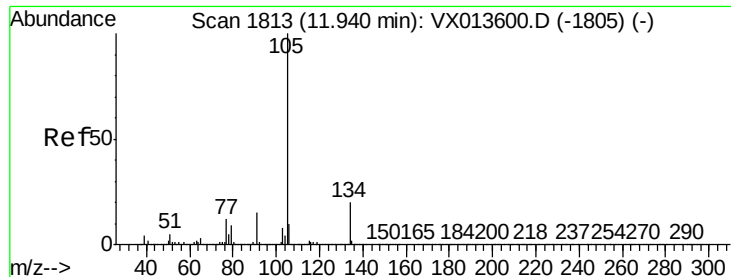
Tgt Ion:105 Resp: 1344152

Ion Ratio Lower Upper

105 100

120 46.4 23.1 69.3





#85

sec-Butylbenzene

Concen: 50.863 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

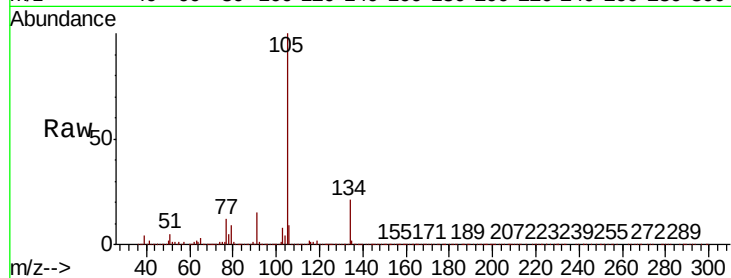
VSTDCCC050

Tot Ion:105 Resp: 1541872

Ion Ratio Lower Upper

105 100

134 21.0 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

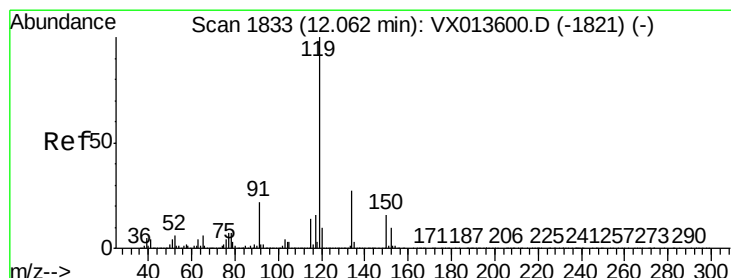
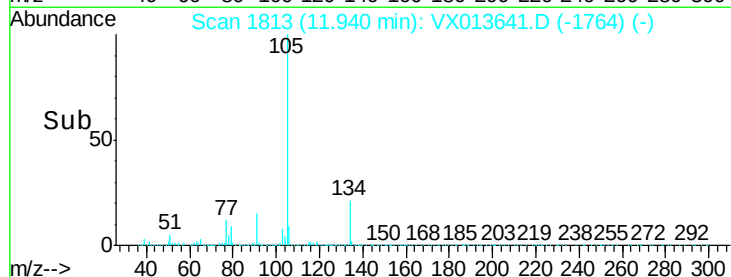
1500000

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 51.093 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

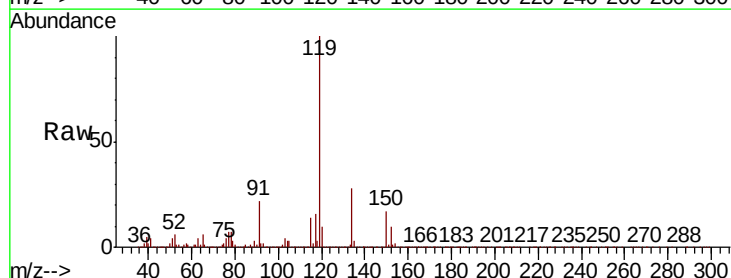
Tgt Ion:119 Resp: 1440889

Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.9

91 22.6 11.3 33.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.06

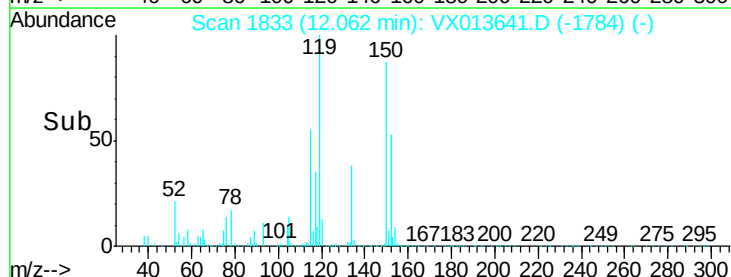
1500000

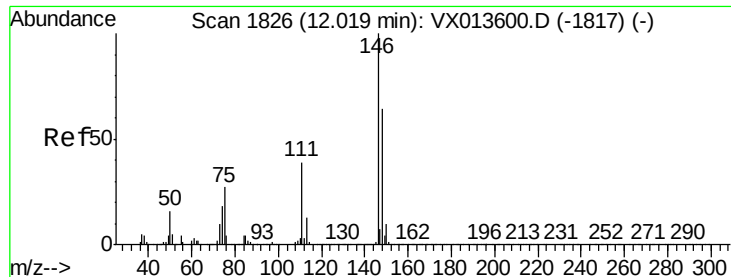
1000000

500000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 49.823 ug/l

RT: 12.02 min Scan# 1826

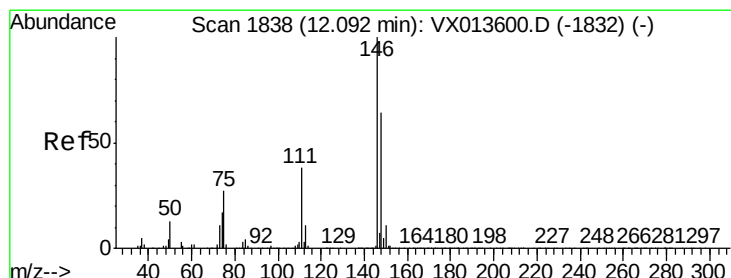
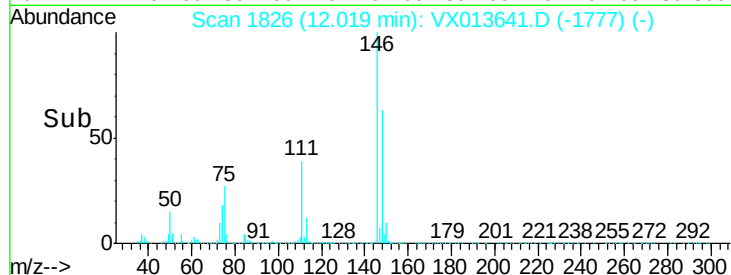
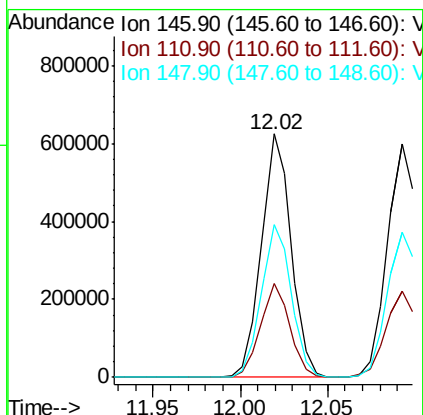
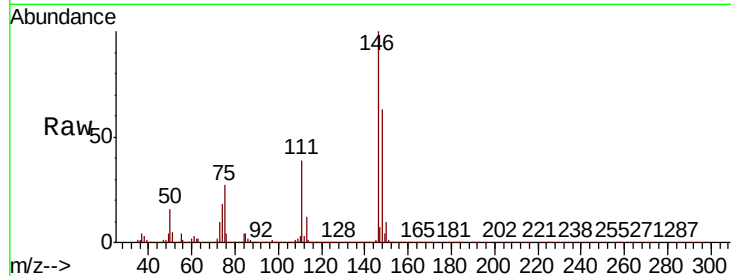
Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.0	57.0
148	63.2	31.8	95.4



#88

1,4-Dichlorobenzene

Concen: 48.348 ug/l

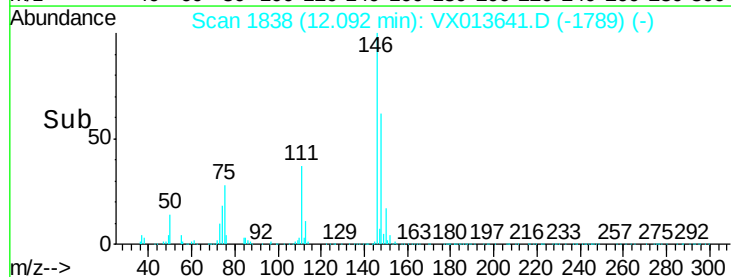
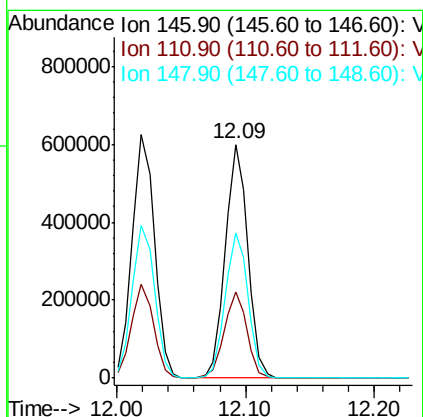
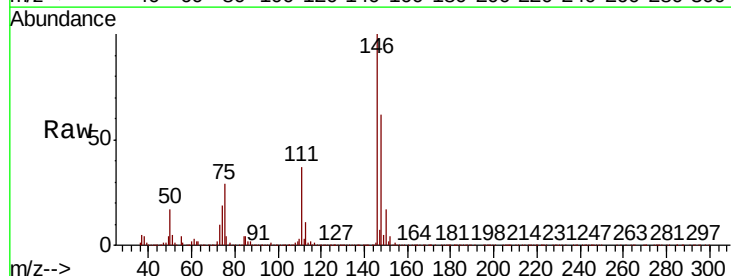
RT: 12.09 min Scan# 1838

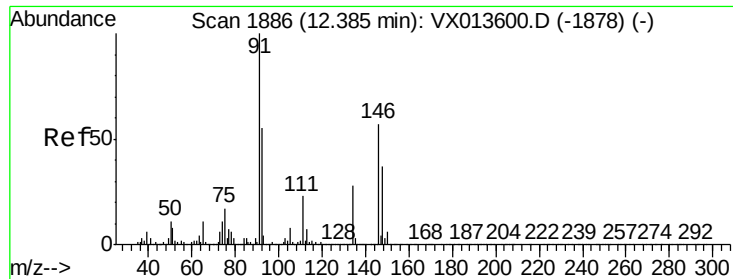
Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.9	56.9
148	63.2	31.9	95.5

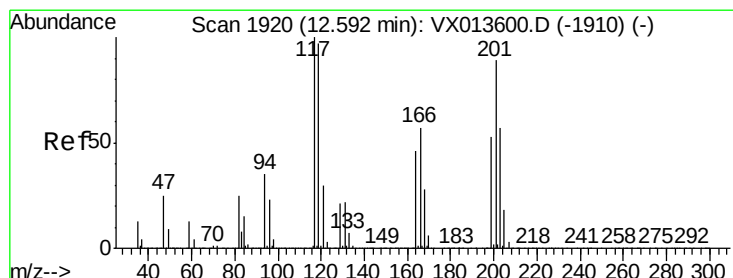
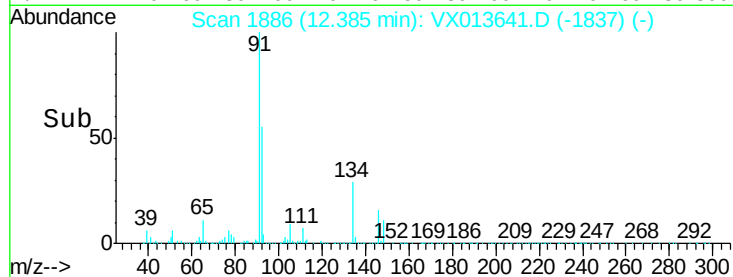
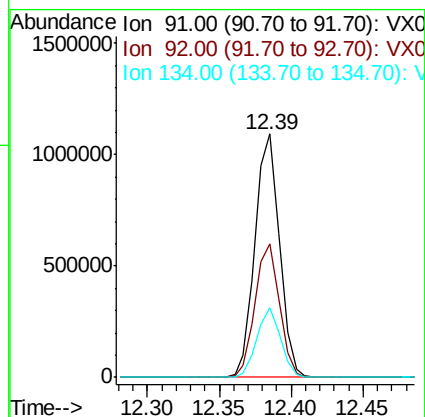
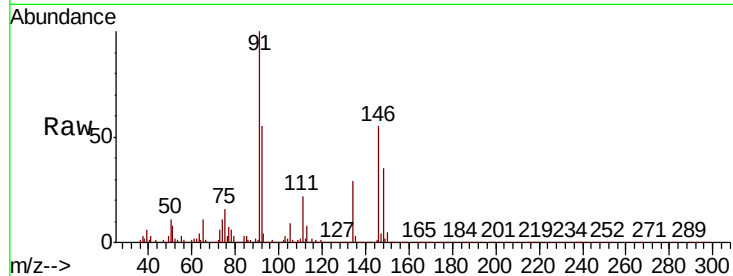




#89
n-Butylbenzene
Concen: 53.030 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

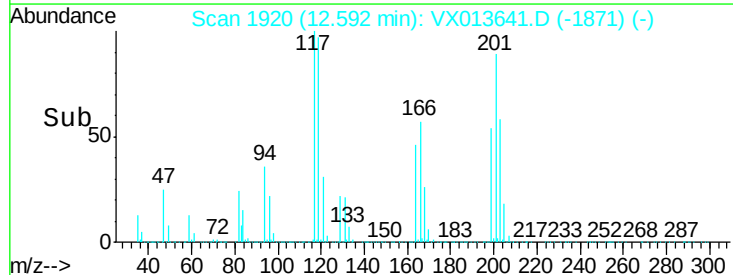
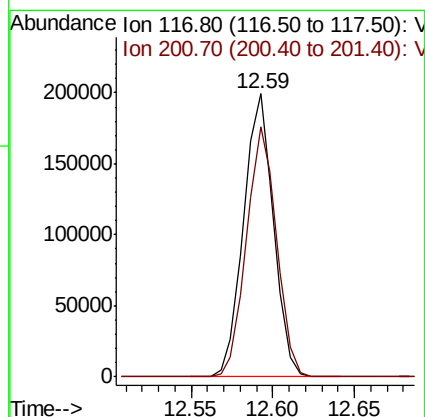
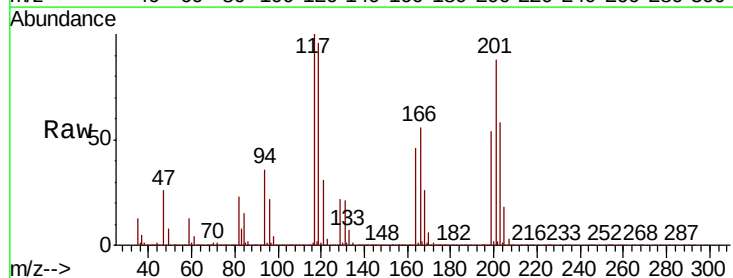
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

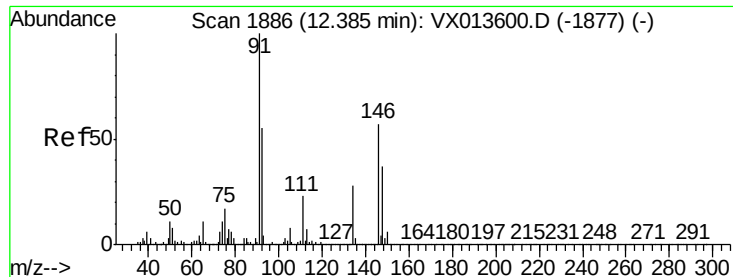
Tot Ion: 91 Resp: 1275523
Ion Ratio Lower Upper
91 100
92 54.6 27.4 82.2
134 27.4 13.5 40.4



#90
Hexachloroethane
Concen: 49.778 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Tgt Ion: 117 Resp: 253738
Ion Ratio Lower Upper
117 100
201 89.4 44.1 132.4





#91

1,2-Dichlorobenzene

Concen: 49.584 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

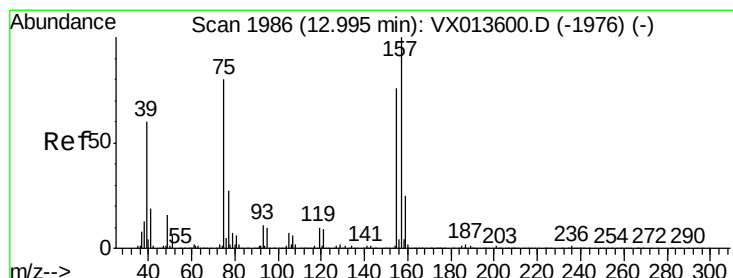
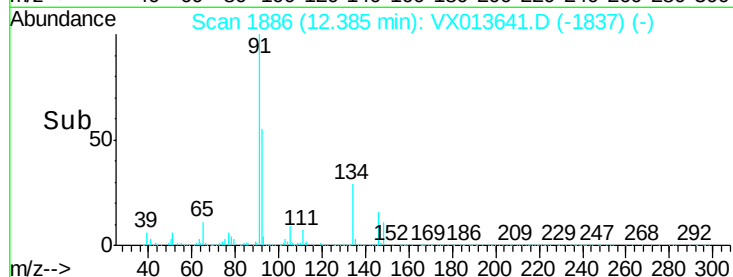
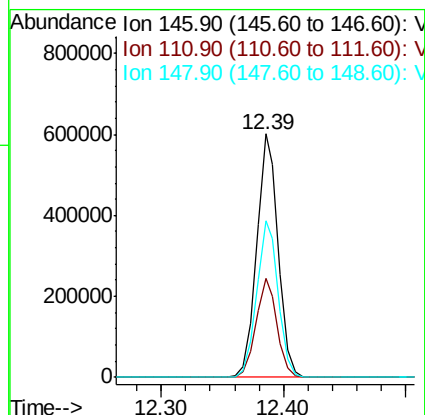
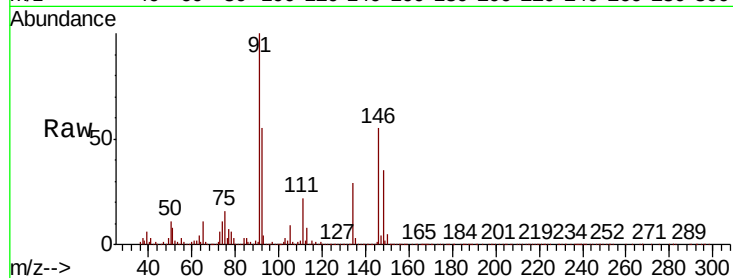
Tot Ion:146 Resp: 735103

Ion Ratio Lower Upper

146 100

111 39.9 19.6 58.7

148 64.5 31.9 95.7



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.558 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

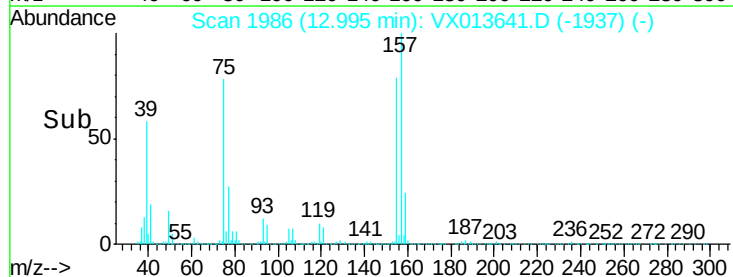
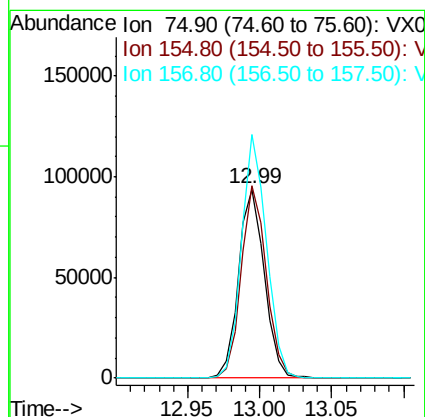
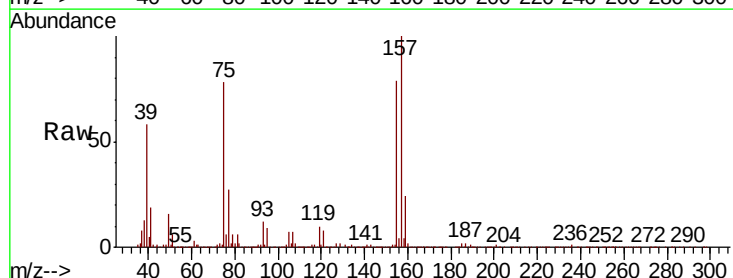
Tgt Ion: 75 Resp: 116844

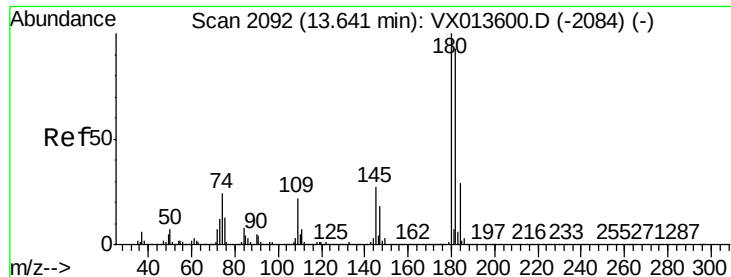
Ion Ratio Lower Upper

75 100

155 99.4 47.6 142.8

157 124.3 62.1 186.2





#93

1,2,4-Trichlorobenzene

Concen: 51.534 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

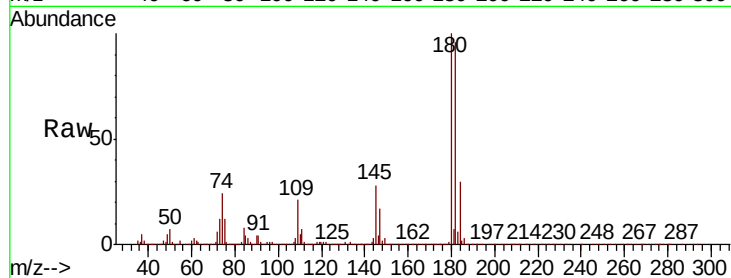
Tot Ion:180 Resp: 532463

Ion Ratio Lower Upper

180 100

182 95.5 47.2 141.6

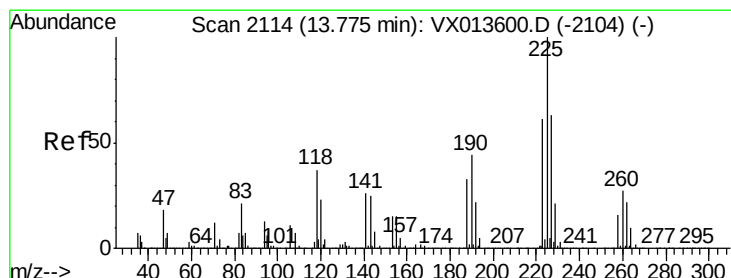
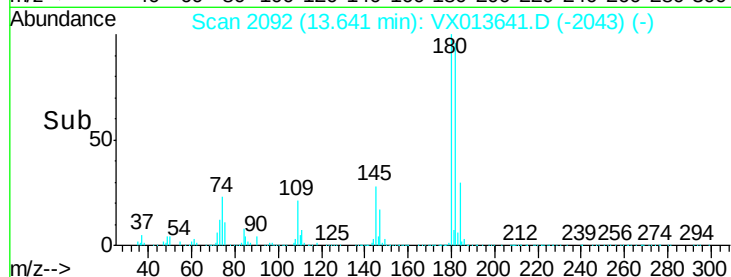
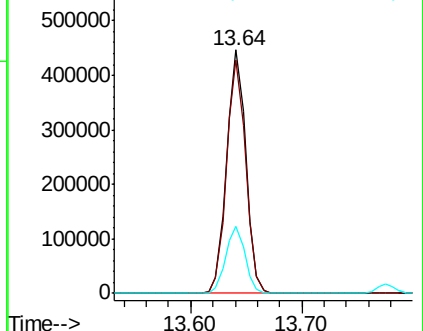
145 27.9 13.8 41.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 50.085 ug/l

RT: 13.78 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

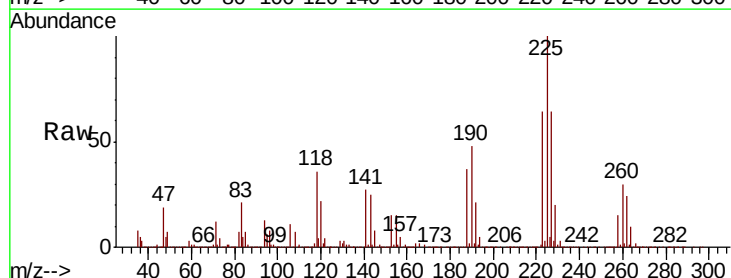
Tgt Ion:225 Resp: 248589

Ion Ratio Lower Upper

225 100

223 63.3 31.9 95.5

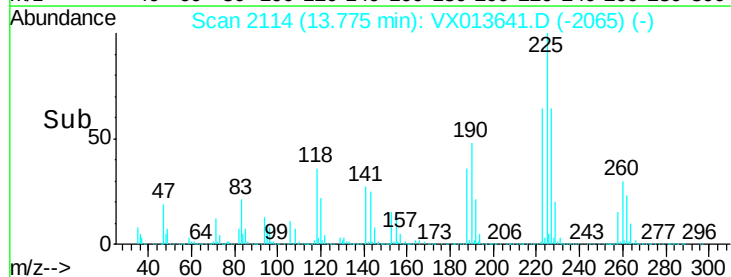
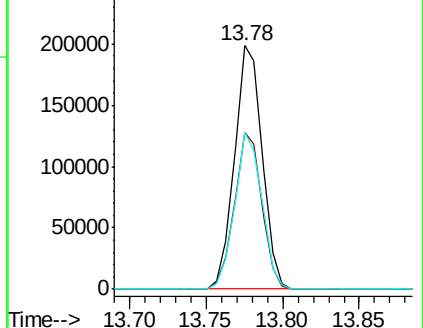
227 63.1 32.1 96.3

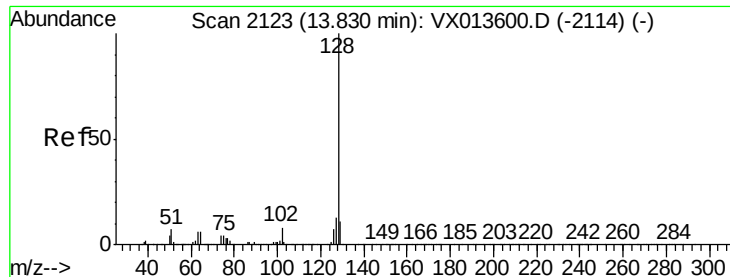


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 51.662 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

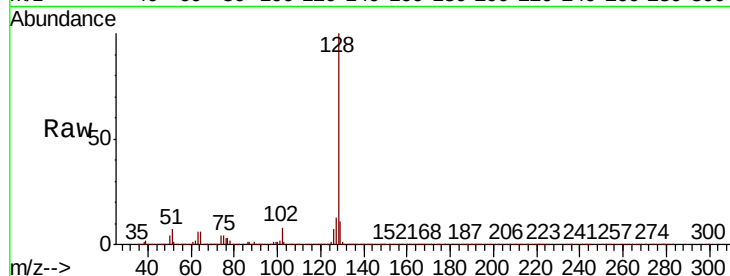
Tot Ion:128 Resp: 1589636

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

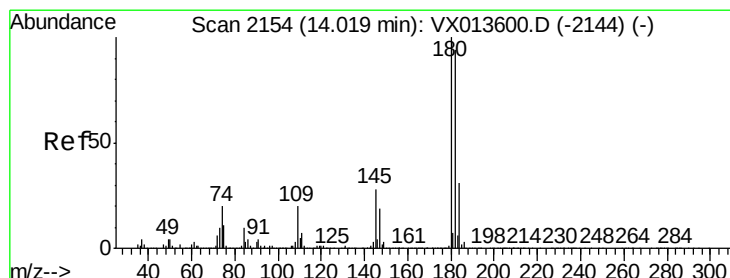
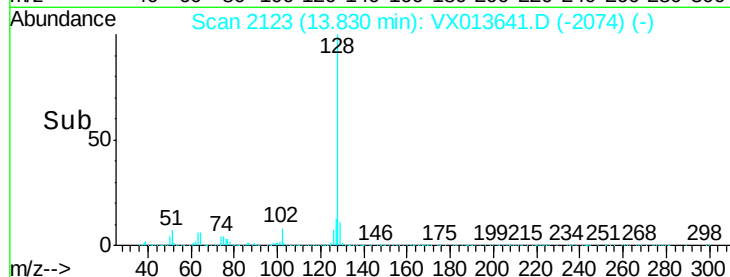
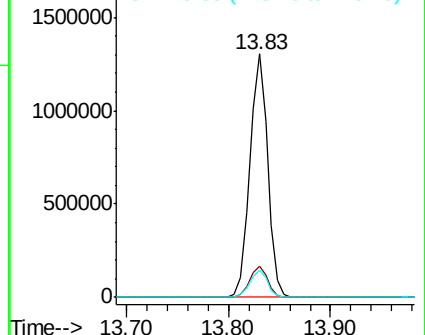
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.970 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.01 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

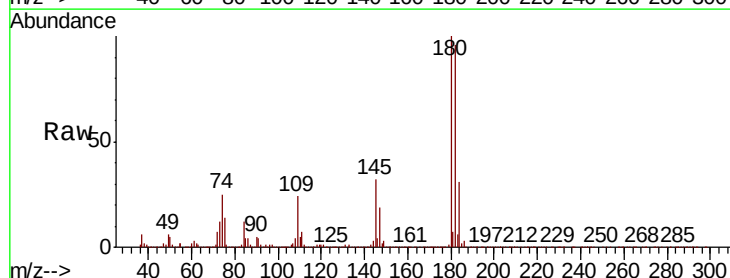
Tgt Ion:180 Resp: 521425

Ion Ratio Lower Upper

180 100

182 95.0 47.6 142.8

145 30.3 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

