

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111519\
 Data File : VX013447.D
 Acq On : 15 Nov 2019 16:54
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Nov 15 23:03:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	622518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	921111	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	835367	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	429032	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	359981	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
35) Dibromofluoromethane	5.48	113	303032	52.45	ug/l	0.00
Spiked Amount			Recovery	=	104.90%	
50) Toluene-d8	8.71	98	1145266	52.58	ug/l	0.00
Spiked Amount			Recovery	=	105.16%	
62) 4-Bromofluorobenzene	11.13	95	416122	52.94	ug/l	0.00
Spiked Amount			Recovery	=	105.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	371330	51.770	ug/l	97
3) Chloromethane	1.31	50	397684	51.127	ug/l	97
4) Vinyl Chloride	1.40	62	474507	53.585	ug/l	99
5) Bromomethane	1.62	94	275842	44.700	ug/l	100
6) Chloroethane	1.71	64	264625	52.332	ug/l	99
7) Trichlorofluoromethane	1.92	101	531496	50.802	ug/l	97
8) Diethyl Ether	2.17	74	244637	52.878	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	332794	57.072	ug/l	99
10) Methyl Iodide	2.50	142	356503	49.381	ug/l	97
11) Tert butyl alcohol	3.03	59	459634	236.458	ug/l	98
12) 1,1-Dichloroethene	2.36	96	319374	55.930	ug/l	99
13) Acrolein	2.28	56	314950	298.955	ug/l	97
14) Allyl chloride	2.72	41	601982	58.021	ug/l	96
15) Acrylonitrile	3.12	53	1053808	290.226	ug/l	98
16) Acetone	2.43	43	1030999	280.273	ug/l	100
17) Carbon Disulfide	2.56	76	802786	52.525	ug/l	99
18) Methyl Acetate	2.76	43	599049	58.987	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	1127600	59.206	ug/l	99
20) Methylene Chloride	2.84	84	365384	53.760	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	343605	55.265	ug/l	97
22) Diisopropyl ether	3.84	45	1185787	59.198	ug/l	98
23) Vinyl Acetate	3.80	43	5003318	291.905	ug/l	100
24) 1,1-Dichloroethane	3.68	63	641932	57.288	ug/l	99
25) 2-Butanone	4.65	43	1564437	289.899	ug/l	98
26) 2,2-Dichloropropane	4.57	77	537316	60.277	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	408175	58.605	ug/l	99
28) Bromochloromethane	5.00	49	171817	54.004	ug/l	100
29) Tetrahydrofuran	5.11	42	952796	286.509	ug/l	100
30) Chloroform	5.19	83	633984	57.298	ug/l	100
31) Cyclohexane	5.56	56	561671	55.706	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	535101	56.196	ug/l	99
36) 1,1-Dichloropropene	5.78	75	473255	59.891	ug/l	99
37) Ethyl Acetate	4.81	43	569534	58.329	ug/l	100
38) Carbon Tetrachloride	5.77	117	458118	59.287	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	586363	59.553	ug/l	98
40) Benzene	6.13	78	1441679	58.570	ug/l	100
41) Methacrylonitrile	5.02	41	318845	58.259	ug/l	98
42) 1,2-Dichloroethane	6.18	62	505485	56.933	ug/l	99
43) Isopropyl Acetate	6.43	43	924526	60.806	ug/l	99
44) Trichloroethene	7.20	130	391525	57.785	ug/l	98
45) 1,2-Dichloropropane	7.50	63	379694	60.541	ug/l	98
46) Dibromomethane	7.65	93	248025	57.921	ug/l	99
47) Bromodichloromethane	7.89	83	500046	61.927	ug/l	97
48) Methyl methacrylate	7.76	41	463508	61.070	ug/l	97
49) 1,4-Dioxane	7.73	88	184380	1060.784	ug/l	98
51) 4-Methyl-2-Pentanone	8.63	43	2942806	295.002	ug/l	99
52) Toluene	8.78	92	906257	59.404	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	559937	63.415	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	616678	62.435	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	384444	60.797	ug/l	97
56) Ethyl methacrylate	9.17	69	623707	57.532	ug/l	97
57) 1,3-Dichloropropane	9.36	76	645602	60.144	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	1453878	336.263	ug/l	100
59) 2-Hexanone	9.48	43	2293798	297.553	ug/l	99
60) Dibromochloromethane	9.57	129	404650	62.570	ug/l	99
61) 1,2-Dibromoethane	9.67	107	398165	59.298	ug/l	100
64) Tetrachloroethene	9.33	164	340189	56.886	ug/l	98
65) Chlorobenzene	10.14	112	986072	58.305	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	376645	60.653	ug/l	99
67) Ethyl Benzene	10.25	91	1753664	60.080	ug/l	98
68) m/p-Xylenes	10.36	106	1331933	120.657	ug/l	100
69) o-Xylene	10.70	106	647728	59.933	ug/l	99
70) Styrene	10.71	104	1122486	62.132	ug/l	98
71) Bromoform	10.85	173	323919	55.857	ug/l	97
73) Isopropylbenzene	11.01	105	1739607	61.156	ug/l	100
74) N-amyl acetate	10.89	43	820066	62.169	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	614891	59.253	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	711517	81.650	ug/l	78
77) Bromobenzene	11.25	156	449136	59.228	ug/l	98
78) n-propylbenzene	11.35	91	1982273	62.559	ug/l	99
79) 2-Chlorotoluene	11.42	91	1155006	60.500	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1460552	61.643	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	213876	63.174	ug/l	96
82) 4-Chlorotoluene	11.51	91	1345770	60.219	ug/l	99
83) tert-Butylbenzene	11.76	119	1487629	62.372	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1467361	61.737	ug/l	99
85) sec-Butylbenzene	11.94	105	1716677	62.625	ug/l	100
86) p-Isopropyltoluene	12.06	119	1592578	63.094	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	806458	59.662	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	805025	58.454	ug/l	99
89) n-Butylbenzene	12.39	91	1400569	63.590	ug/l	99
90) Hexachloroethane	12.59	117	288858	64.229	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	805398	59.607	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	135952	53.773	ug/l	99

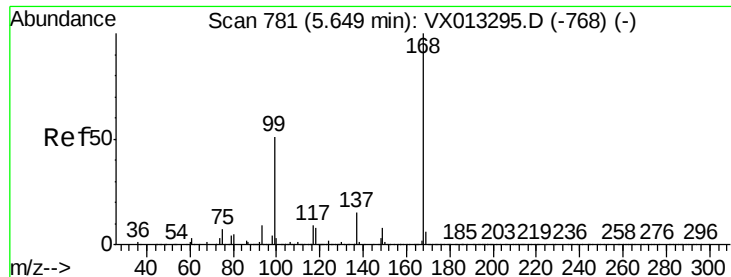
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	575370	61.047	ug/l	99
94) Hexachlorobutadiene	13.78	225	271579	58.897	ug/l	100
95) Naphthalene	13.83	128	1756242	59.391	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	566218	59.904	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

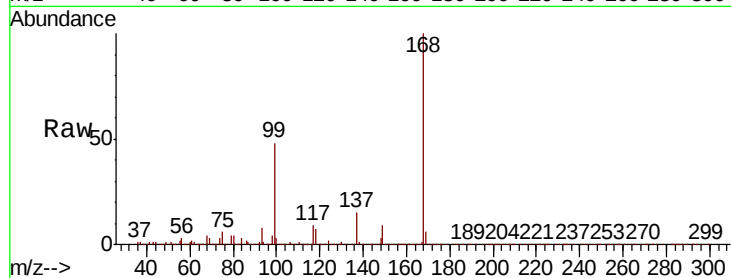
VSTDCCC050EC

Tot Ion:168 Resp: 622518

Ion Ratio Lower Upper

168 100

99 48.0 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

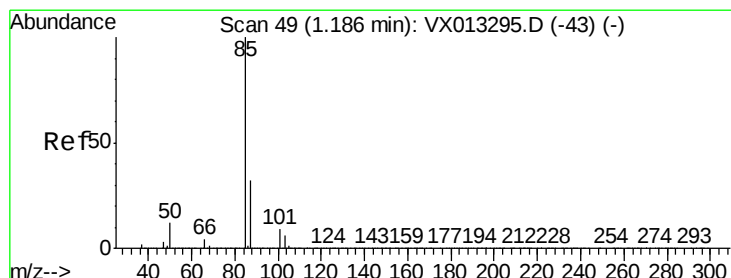
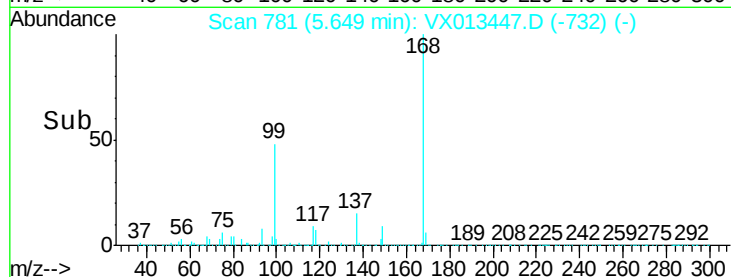
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.770 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX013447.D

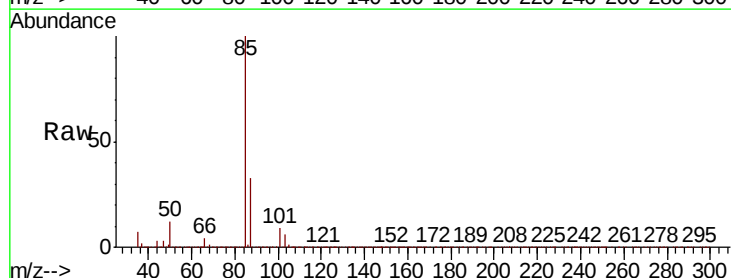
Acq: 15 Nov 2019 16:54

Tgt Ion: 85 Resp: 371330

Ion Ratio Lower Upper

85 100

87 33.2 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

400000

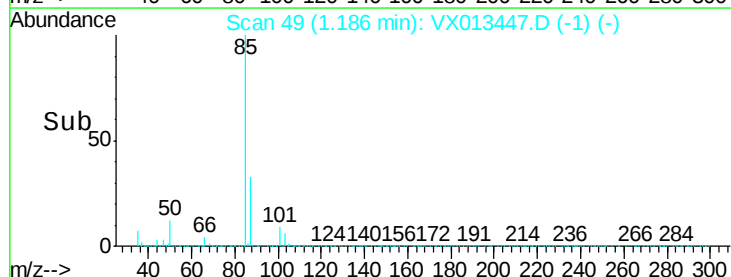
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200000

100000

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Time-->





#3

Chloromethane

Concen: 51.127 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

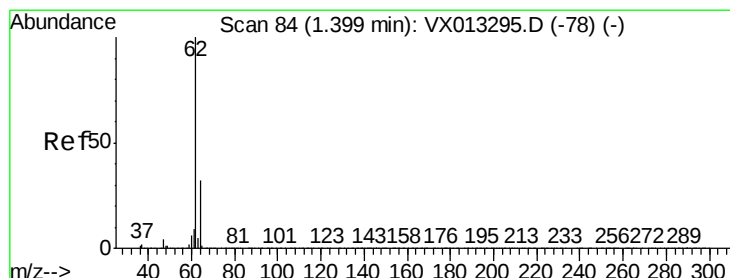
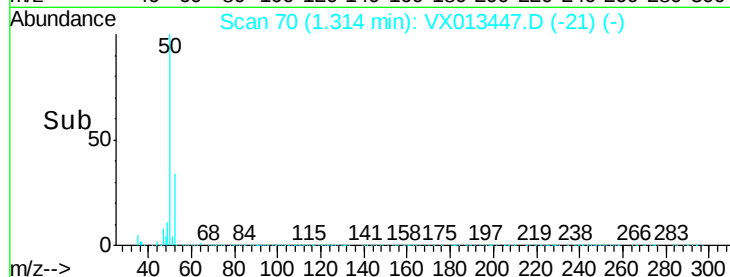
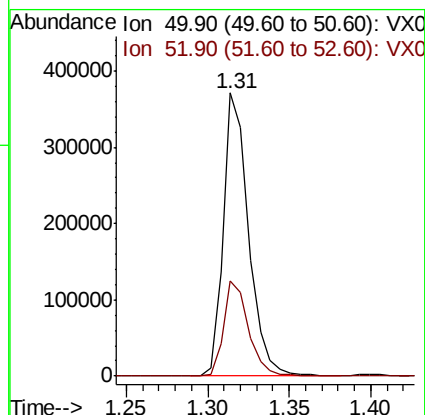
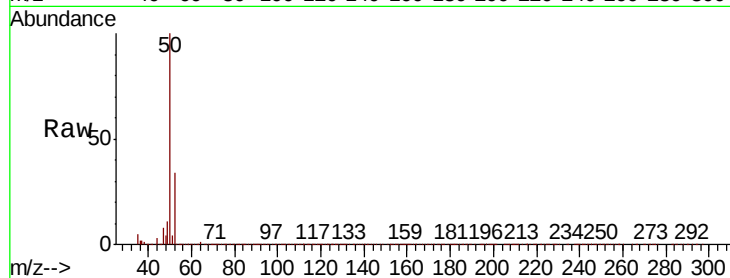
VSTDCCC050EC

Tot Ion: 50 Resp: 397684

Ion Ratio Lower Upper

50 100

52 33.4 25.5 38.3



#4

Vinyl Chloride

Concen: 53.585 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013447.D

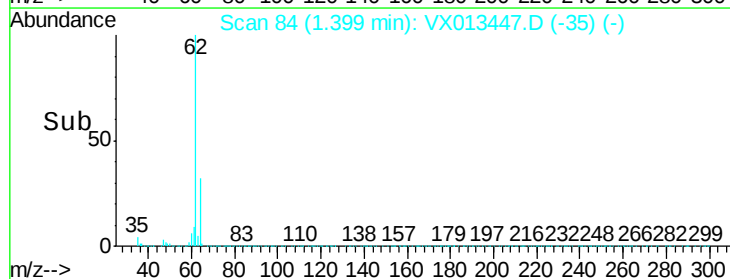
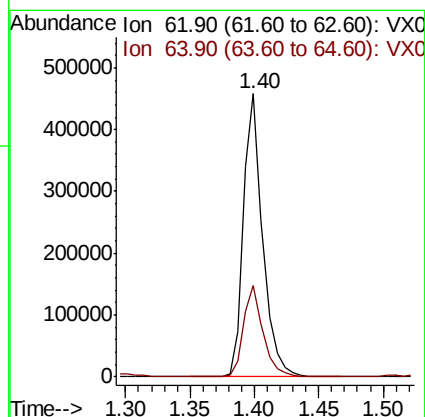
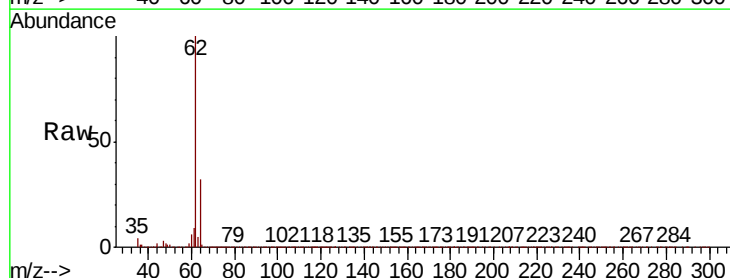
Acq: 15 Nov 2019 16:54

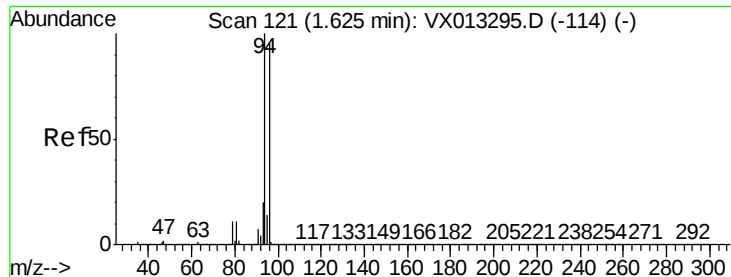
Tgt Ion: 62 Resp: 474507

Ion Ratio Lower Upper

62 100

64 32.3 25.6 38.4





#5

Bromomethane

Concen: 44.700 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

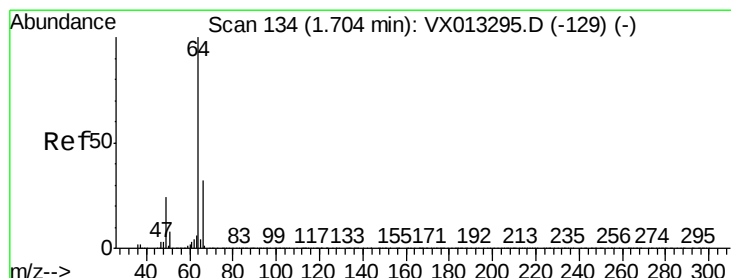
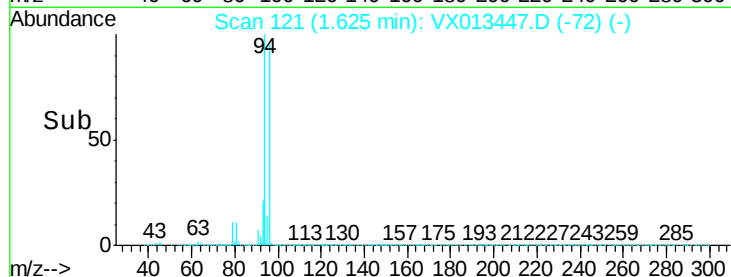
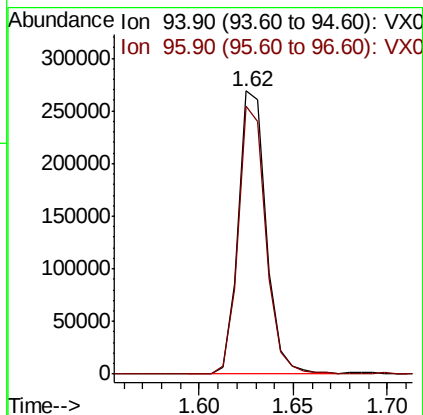
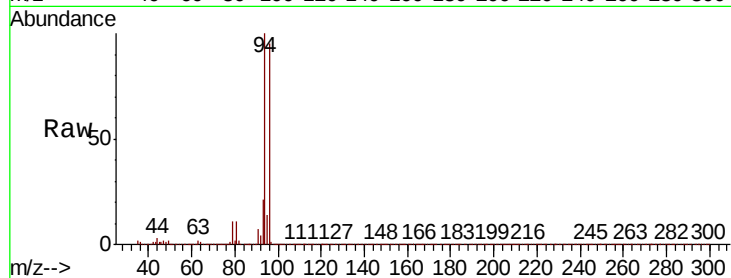
VSTDCCC050EC

Tot Ion: 94 Resp: 275842

Ion Ratio Lower Upper

94 100

96 94.5 75.8 113.8



#6

Chloroethane

Concen: 52.332 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX013447.D

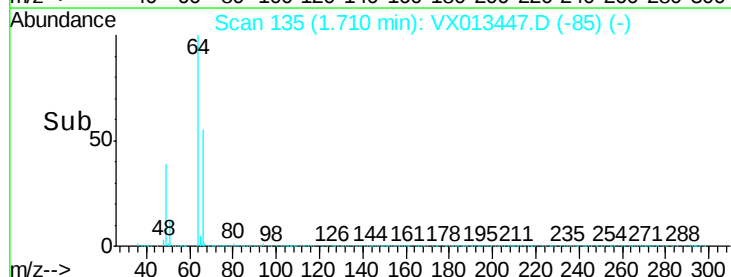
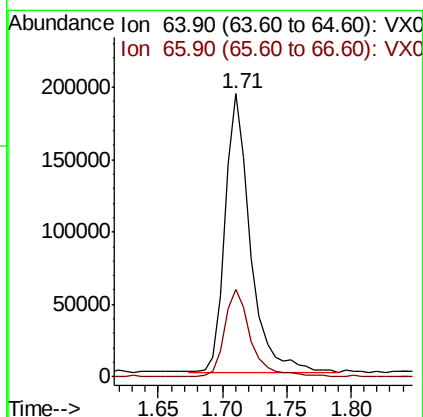
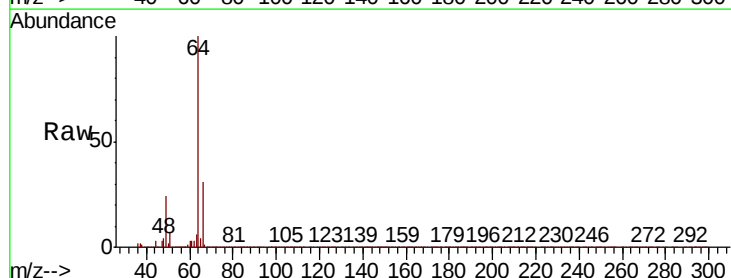
Acq: 15 Nov 2019 16:54

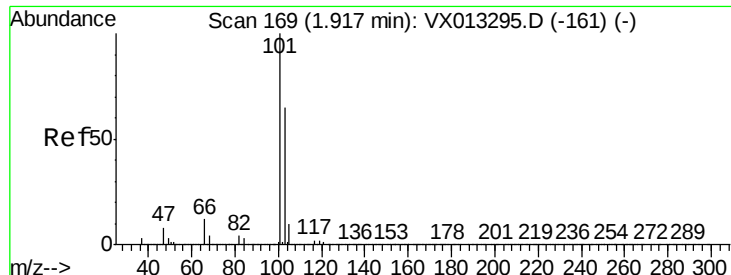
Tgt Ion: 64 Resp: 264625

Ion Ratio Lower Upper

64 100

66 31.2 25.6 38.4



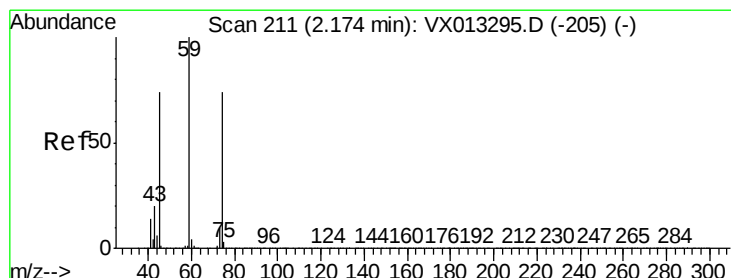
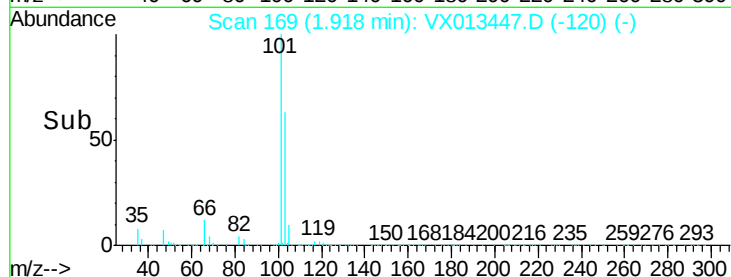
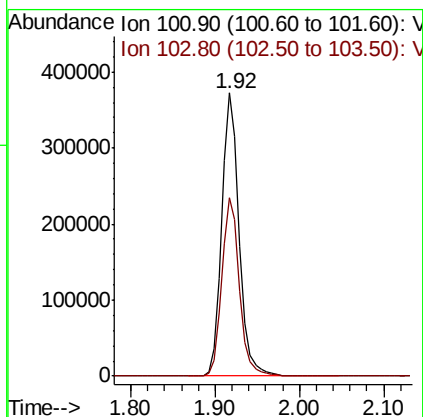
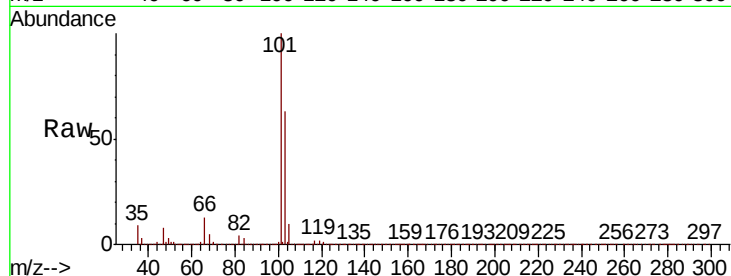


#7

Trichlorofluoromethane
Concen: 50.802 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX013447.D
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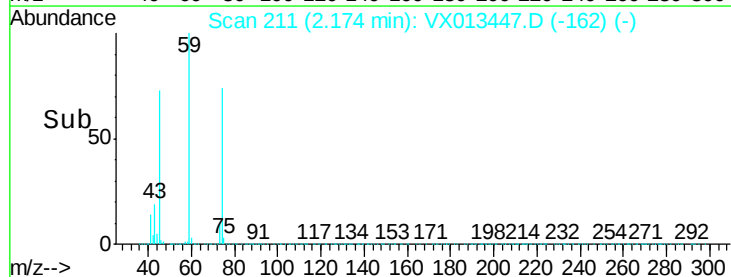
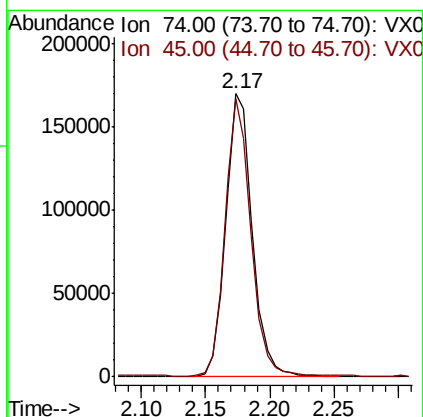
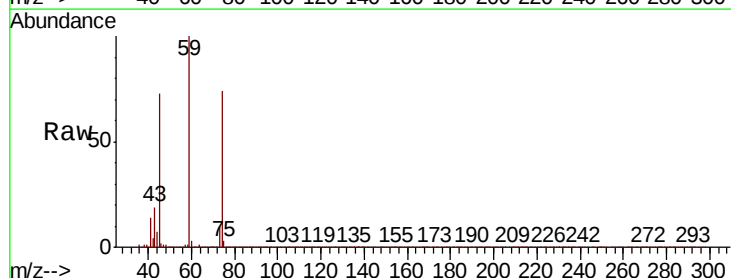
Tot Ion:101 Resp: 531496
Ion Ratio Lower Upper
101 100
103 62.9 52.3 78.5

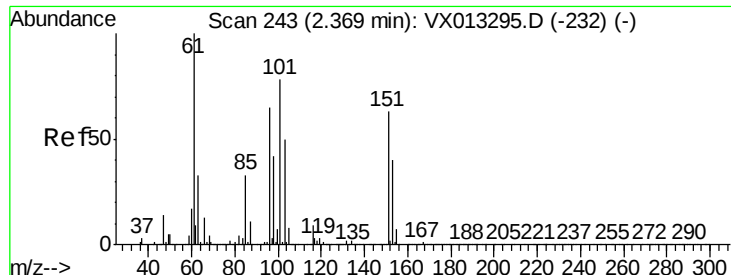


#8

Diethyl Ether
Concen: 52.878 ug/l
RT: 2.17 min Scan# 211
Delta R.T. 0.00 min
Lab File: VX013447.D
Acq: 15 Nov 2019 16:54

Tgt Ion: 74 Resp: 244637
Ion Ratio Lower Upper
74 100
45 96.1 48.5 145.6

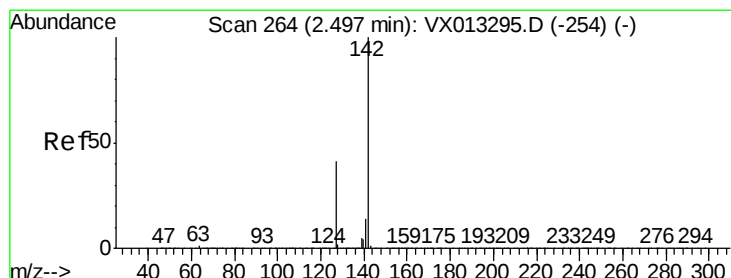
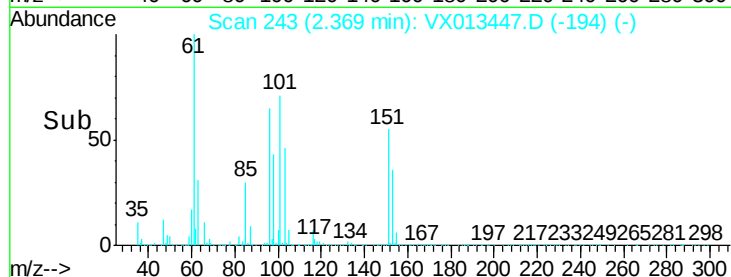
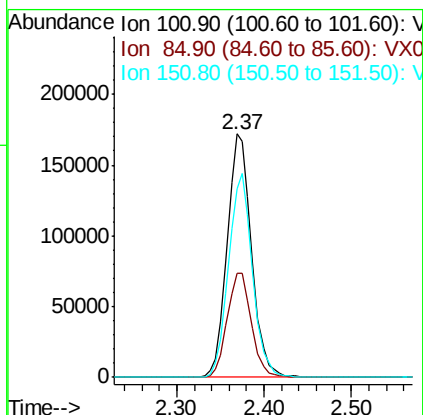
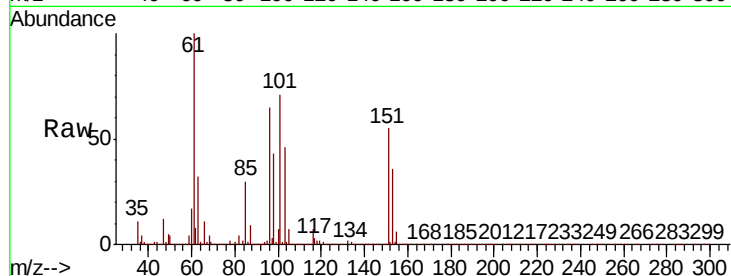




#9
1,1,2-Trichlorotrifluoroethane
Concen: 57.072 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.00 min
Lab File: VX013447.D
Acq: 15 Nov 2019 16:54

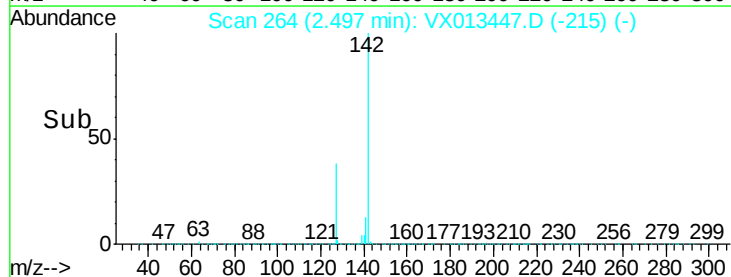
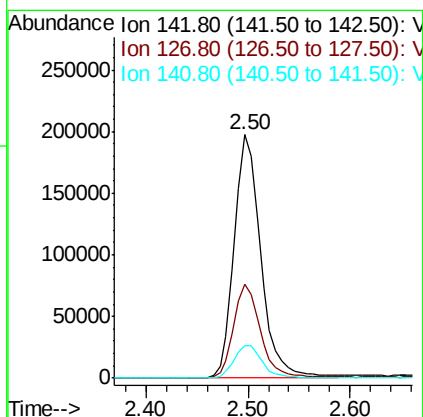
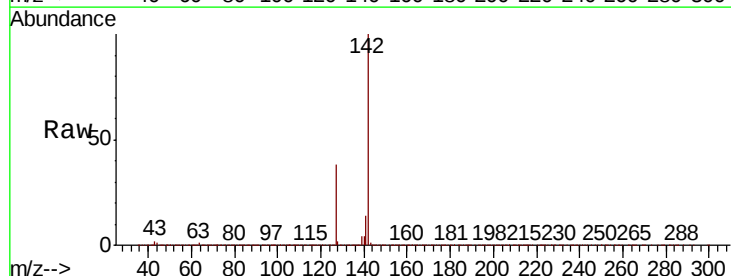
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VSTDCCC050EC

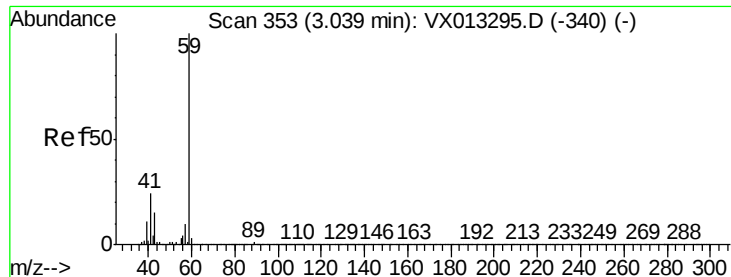
Tot Ion	Ratio	Lower	Upper
101	100		
85	42.4	34.4	51.6
151	82.3	66.4	99.6



#10
Methyl Iodide
Concen: 49.381 ug/l
RT: 2.50 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX013447.D
Acq: 15 Nov 2019 16:54

Tgt Ion	Ratio	Lower	Upper
142	100		
127	38.6	32.6	49.0
141	14.3	11.6	17.4



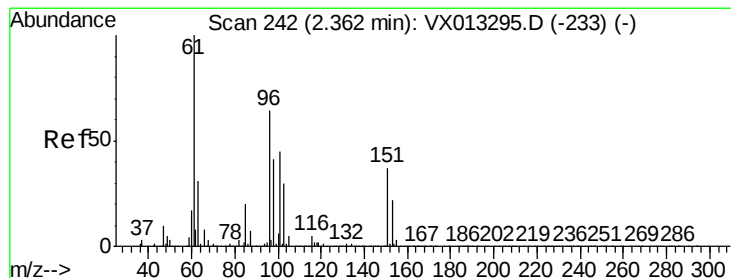
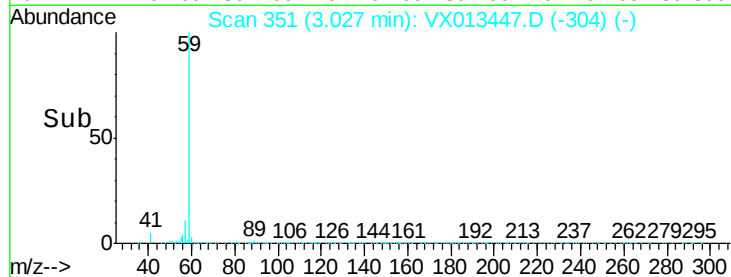
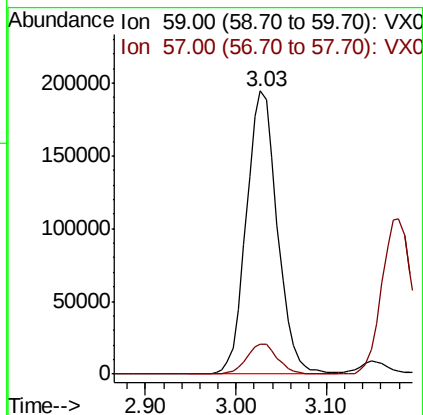
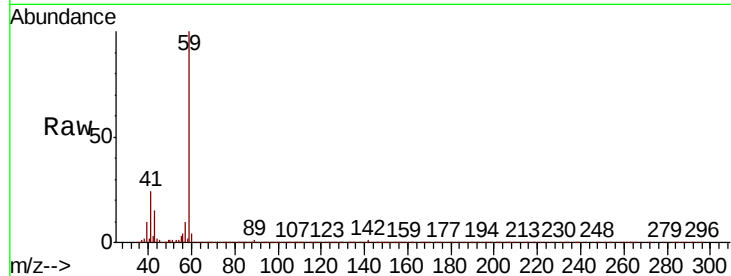


#11

Tert butyl alcohol
 Concen: 236.458 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VX013447.D
 Acq: 15 Nov 2019 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

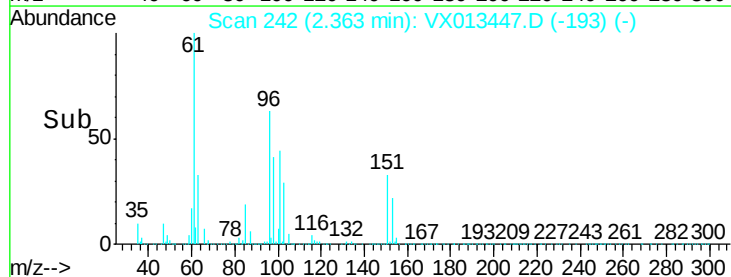
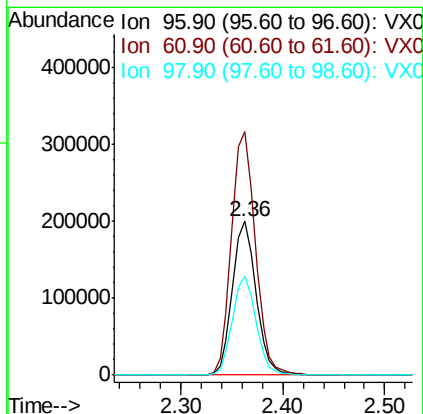
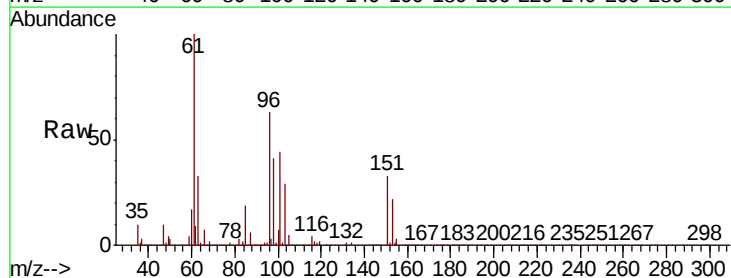
Tot Ion: 59 Resp: 459634
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.0 12.0

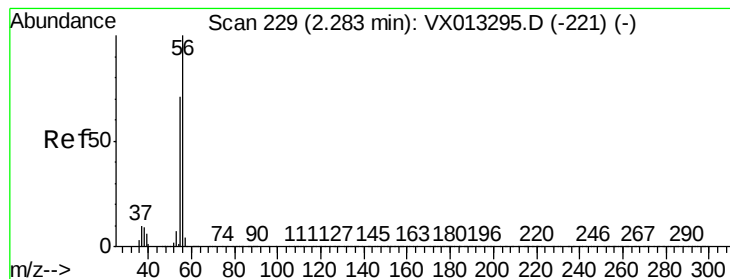


#12

1,1-Dichloroethene
 Concen: 55.930 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX013447.D
 Acq: 15 Nov 2019 16:54

Tgt Ion: 96 Resp: 319374
 Ion Ratio Lower Upper
 96 100
 61 158.4 125.0 187.6
 98 64.2 50.7 76.1





#13

Acrolein

Concen: 298.955 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

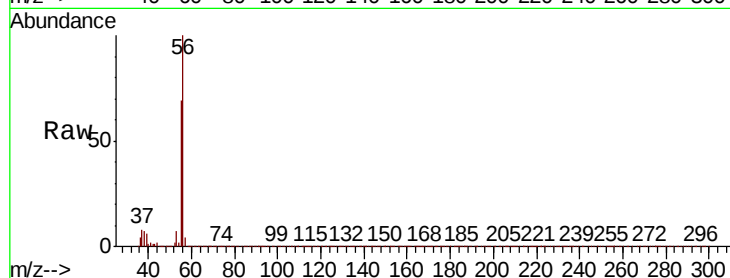
VSTDCCC050EC

Tot Ion: 56 Resp: 314950

Ion Ratio Lower Upper

56 100

55 69.4 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

200000

150000

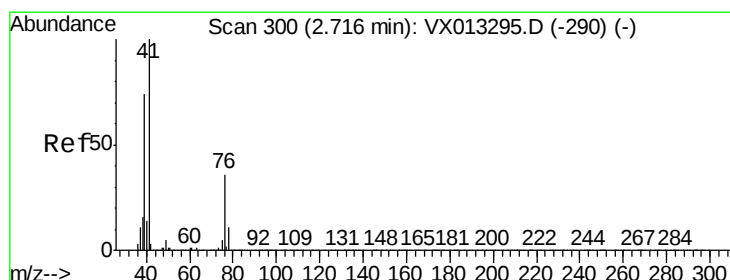
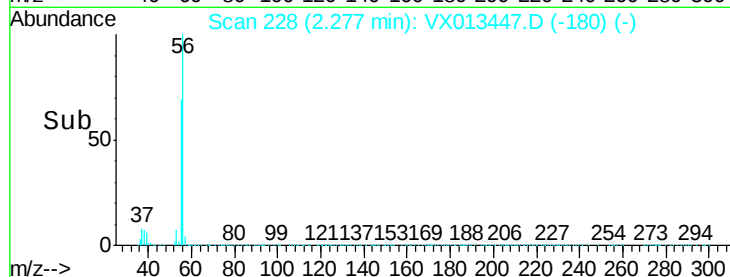
100000

50000

0

2.28

Time-->



#14

Allyl chloride

Concen: 58.021 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

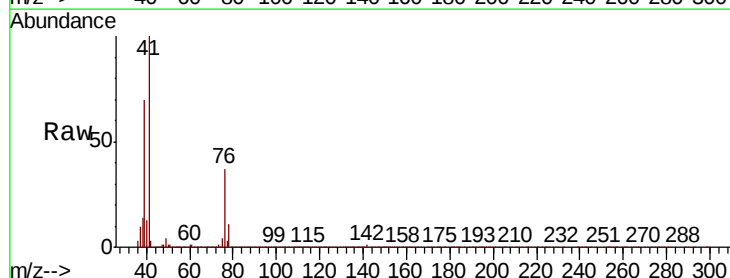
Tgt Ion: 41 Resp: 601982

Ion Ratio Lower Upper

41 100

39 64.8 55.8 83.8

76 32.4 26.4 39.6



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

400000

300000

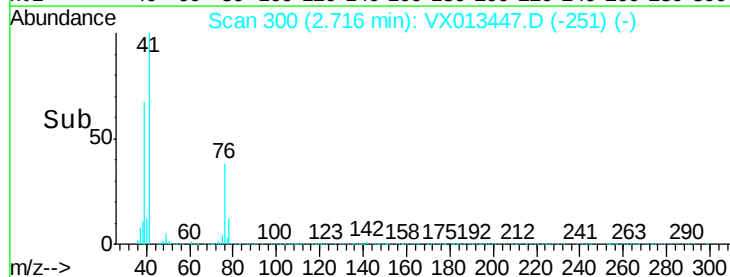
200000

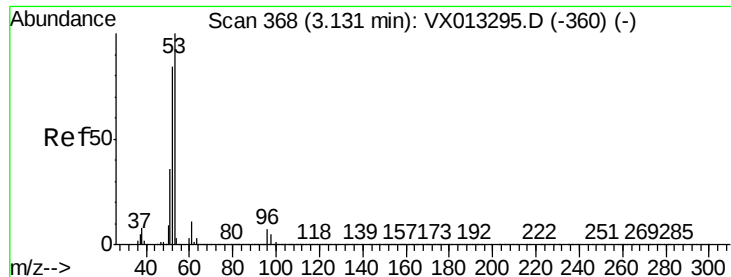
100000

0

2.72

Time-->





#15

Acrylonitrile

Concen: 290.226 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

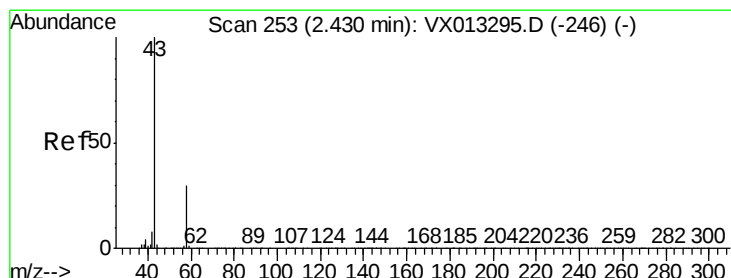
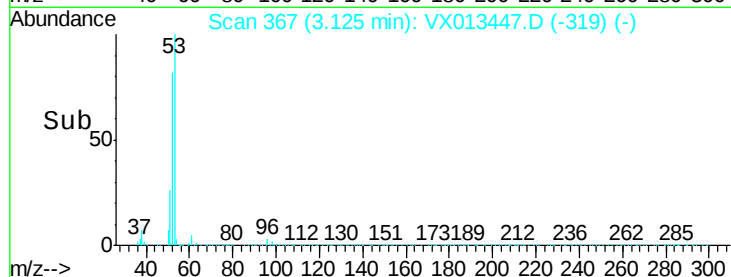
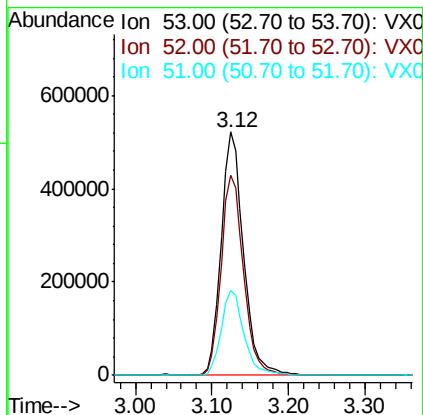
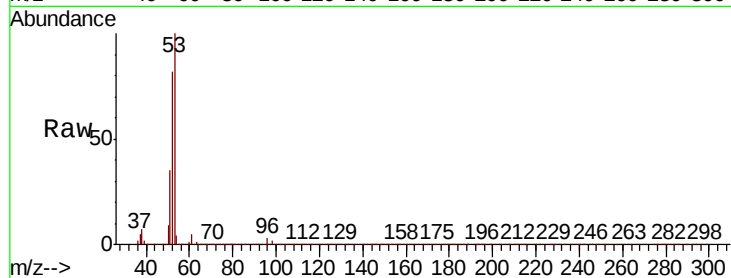
Tot Ion: 53 Resp: 1053808

Ion Ratio Lower Upper

53 100

52 82.5 67.4 101.0

51 35.4 29.4 44.2



#16

Acetone

Concen: 280.273 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013447.D

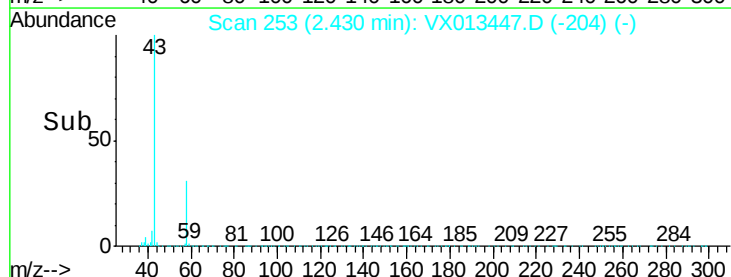
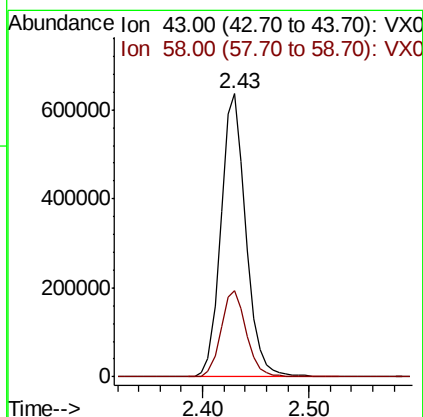
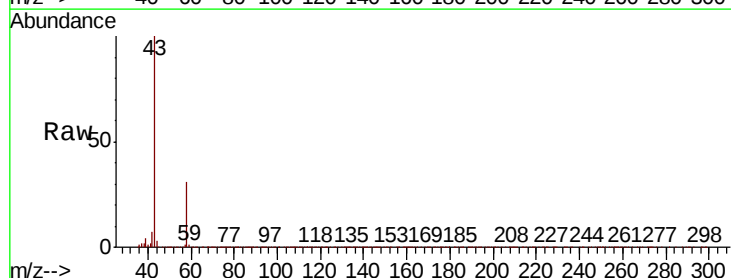
Acq: 15 Nov 2019 16:54

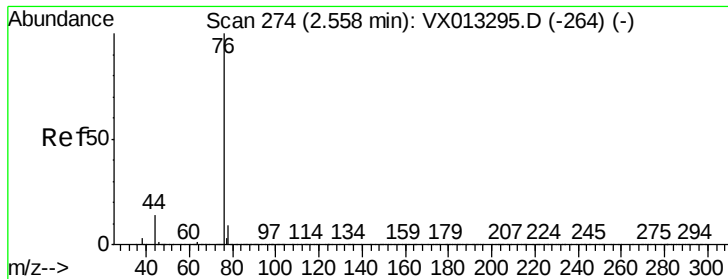
Tgt Ion: 43 Resp: 1030999

Ion Ratio Lower Upper

43 100

58 30.6 24.3 36.5





#17

Carbon Disulfide

Concen: 52.525 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

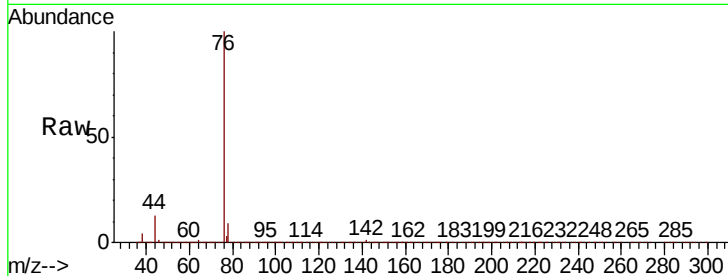
VSTDCCC050EC

Tot Ion: 76 Resp: 802786

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

500000

400000

300000

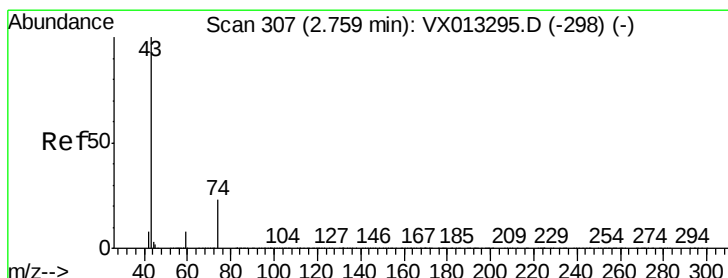
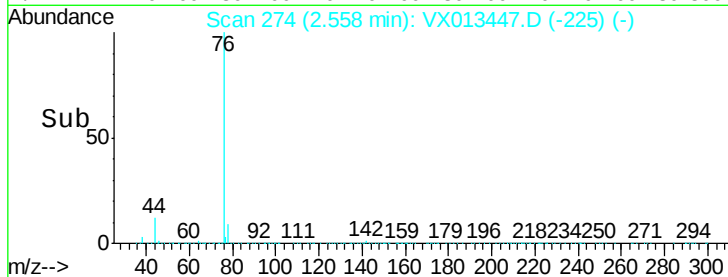
200000

100000

0

Time-->

2.50 2.60 2.70



#18

Methyl Acetate

Concen: 58.987 ug/l

RT: 2.76 min Scan# 307

Delta R.T. 0.00 min

Lab File: VX013447.D

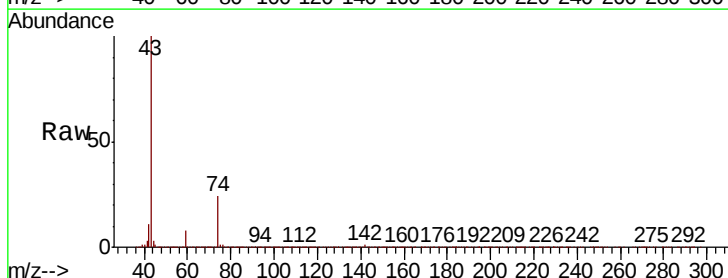
Acq: 15 Nov 2019 16:54

Tgt Ion: 43 Resp: 599049

Ion Ratio Lower Upper

43 100

74 24.1 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

400000

300000

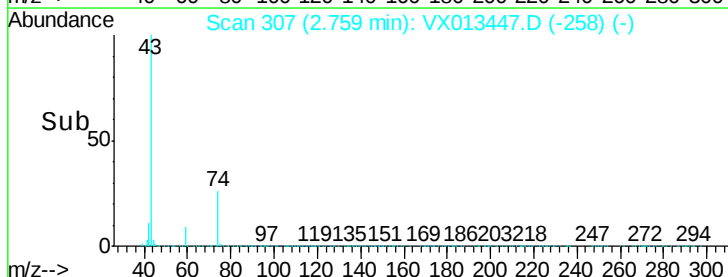
200000

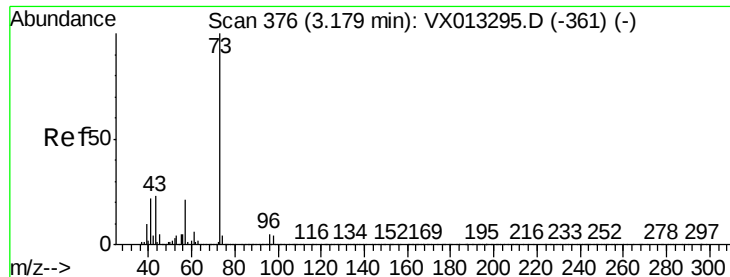
100000

0

Time-->

2.70 2.80

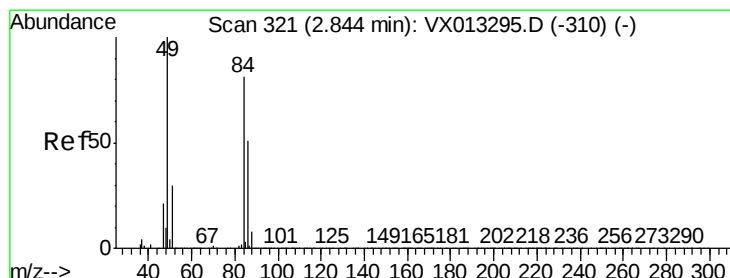
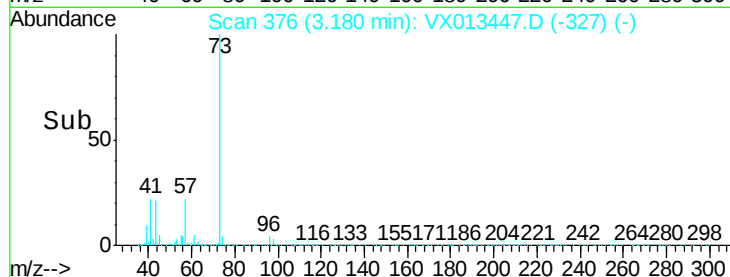
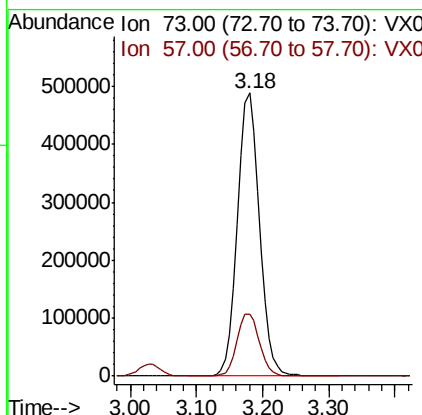
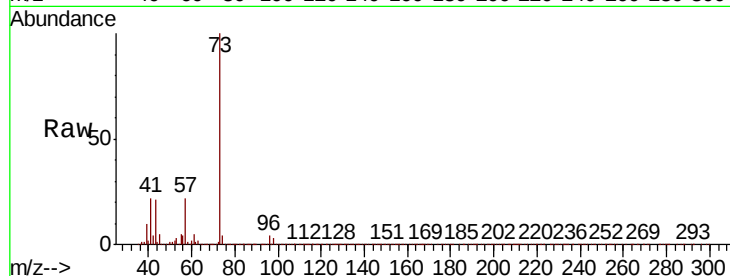




#19
Methvl tert-butvl Ether
Concen: 59.206 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX013447.D
Acq: 15 Nov 2019 16:54

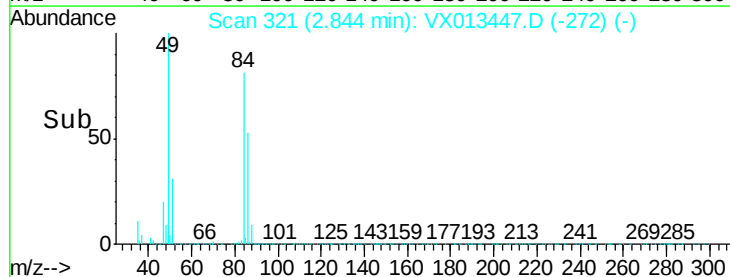
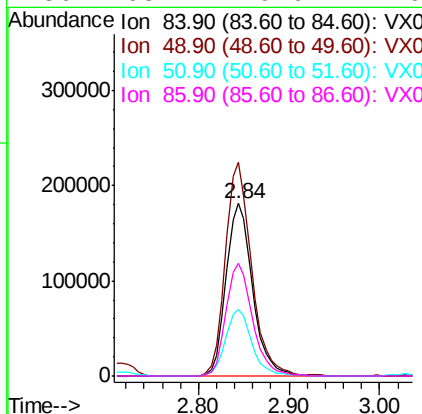
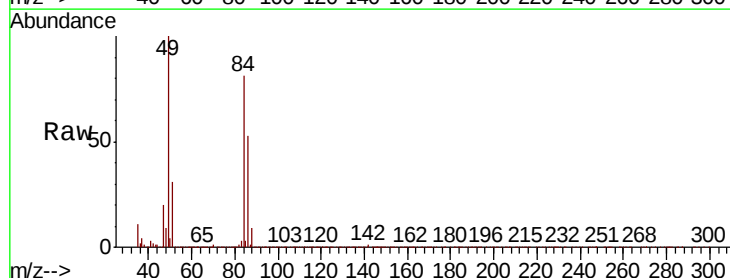
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

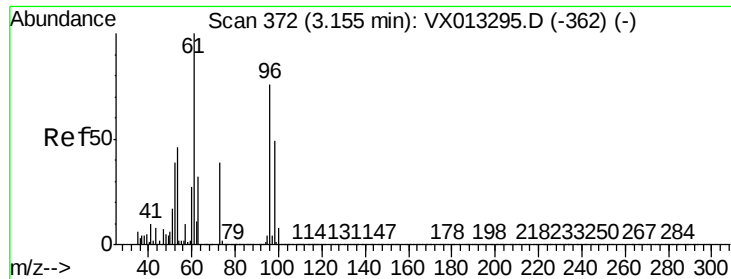
Tot Ion: 73 Resp: 1127600
Ion Ratio Lower Upper
73 100
57 21.8 17.1 25.7



#20
Methylene Chloride
Concen: 53.760 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013447.D
Acq: 15 Nov 2019 16:54

Tgt Ion: 84 Resp: 365384
Ion Ratio Lower Upper
84 100
49 123.9 98.2 147.4
51 38.8 29.9 44.9
86 65.7 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 55.265 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.01 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

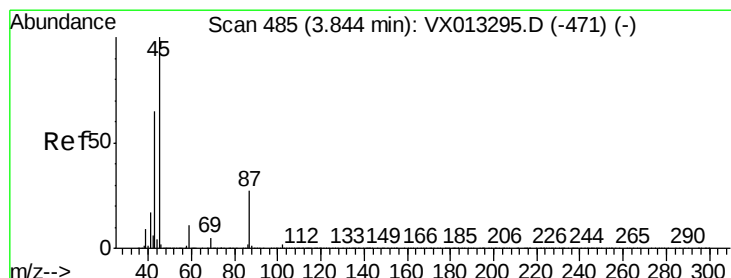
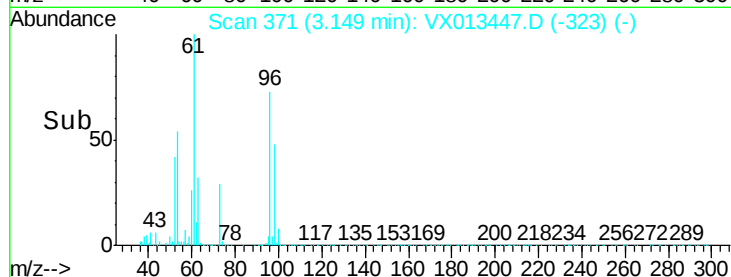
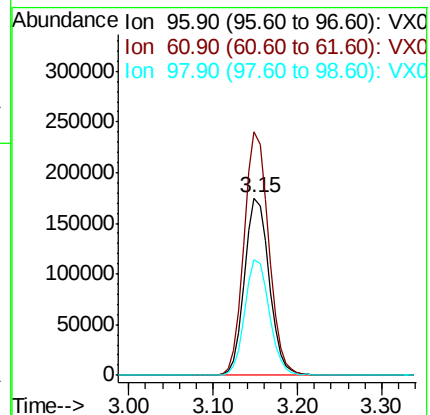
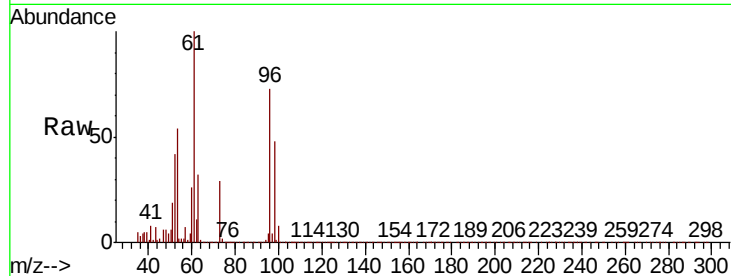
Tot Ion: 96 Resp: 343605

Ion Ratio Lower Upper

96 100

61 137.2 105.8 158.6

98 65.2 51.8 77.6



#22

Diisopropyl ether

Concen: 59.198 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.01 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

Tgt Ion: 45 Resp: 1185787

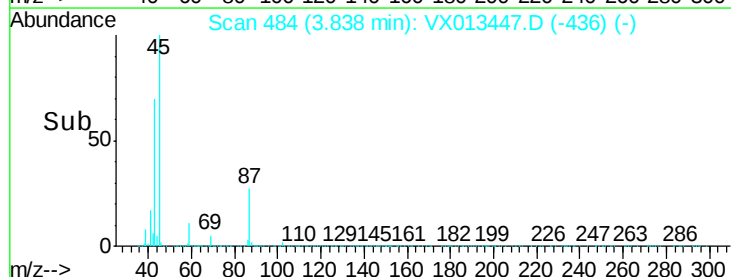
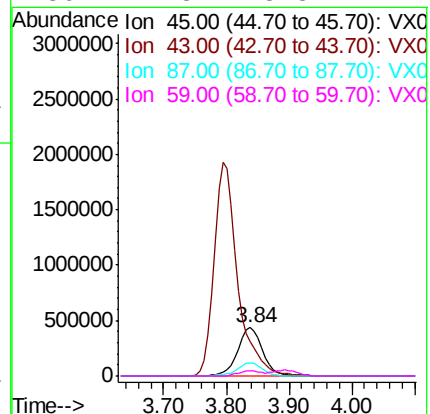
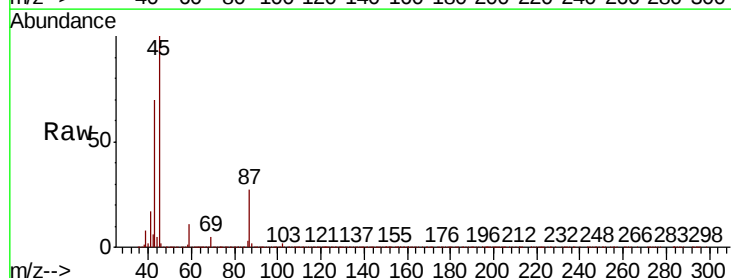
Ion Ratio Lower Upper

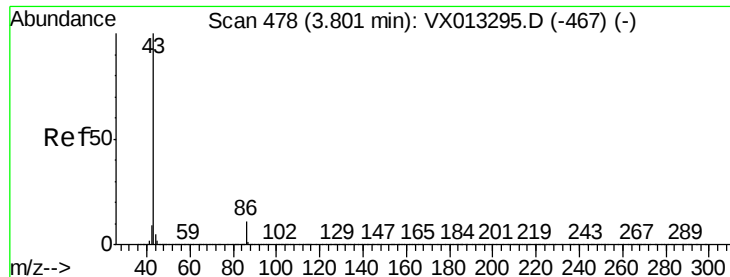
45 100

43 69.9 54.2 81.2

87 27.4 21.8 32.8

59 11.3 8.5 12.7





#23

Vinyl Acetate

Concen: 291.905 ug/l

RT: 3.80 min Scan# 477

Delta R.T. -0.01 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

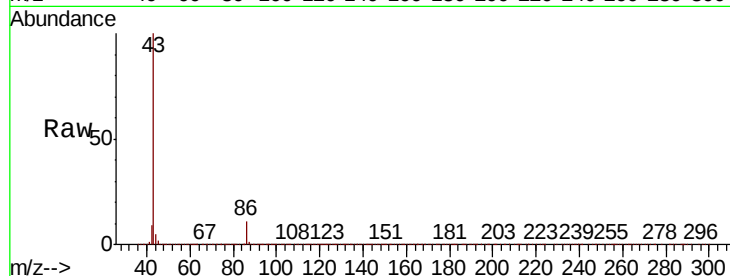
VSTDCCC050EC

Tot Ion: 43 Resp: 5003318

Ion Ratio Lower Upper

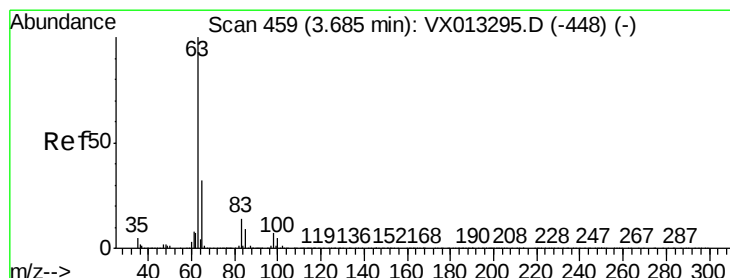
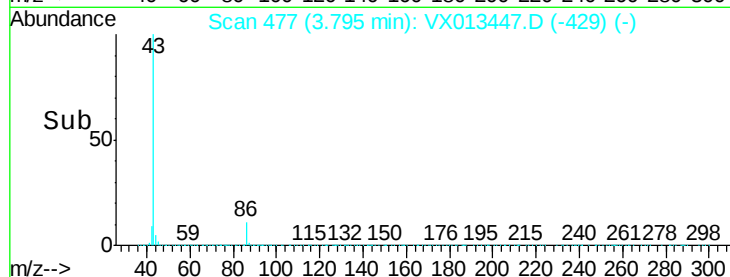
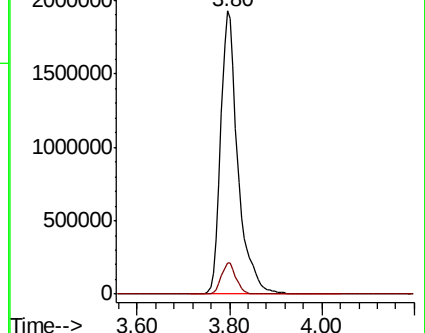
43 100

86 10.9 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 57.288 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

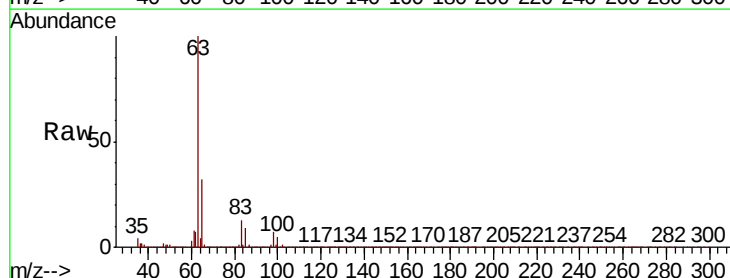
Tgt Ion: 63 Resp: 641932

Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.4

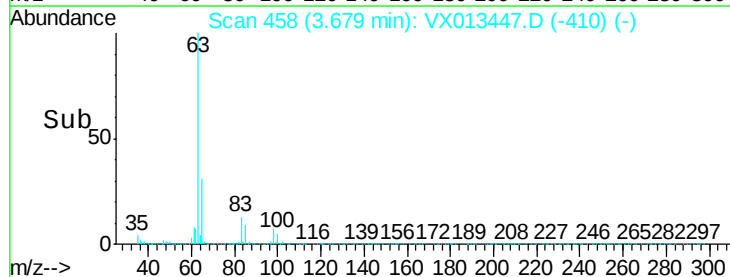
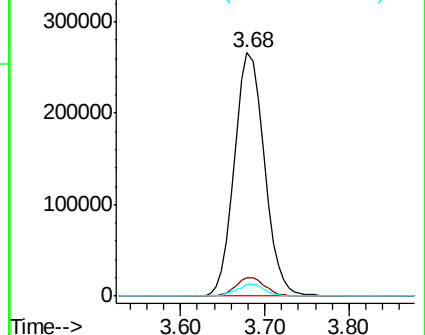
100 4.8 2.4 7.2

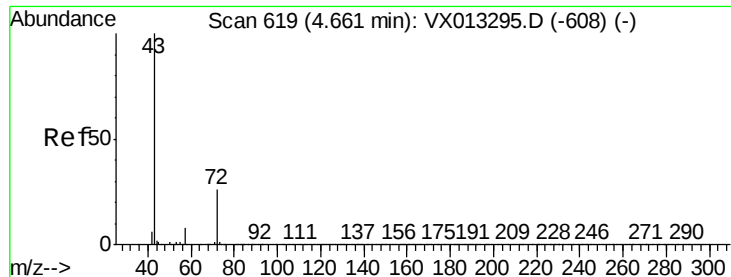


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 289.899 ug/l

RT: 4.65 min Scan# 617

Delta R.T. -0.01 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

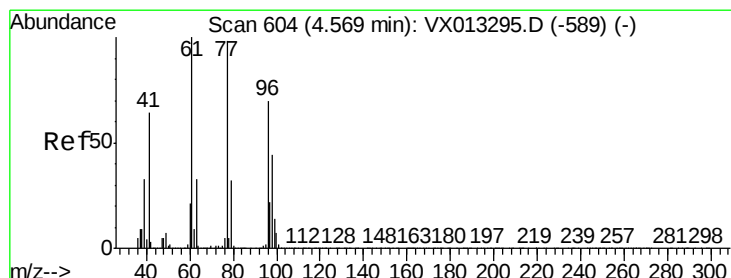
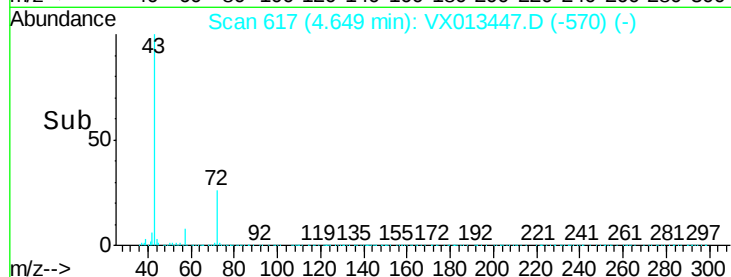
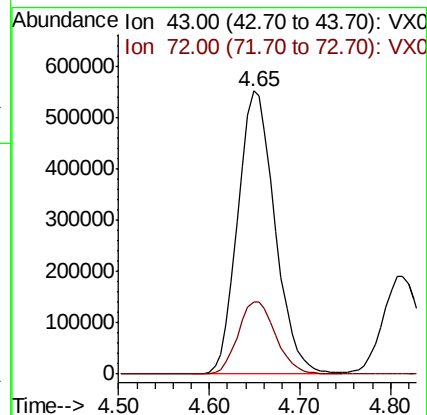
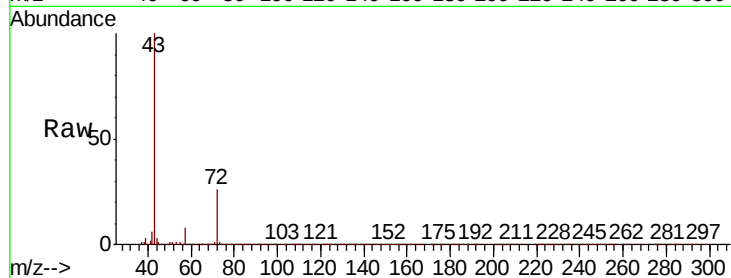
VSTDCCC050EC

Tot Ion: 43 Resp: 1564437

Ion Ratio Lower Upper

43 100

72 25.4 21.0 31.6



#26

2,2-Dichloropropane

Concen: 60.277 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX013447.D

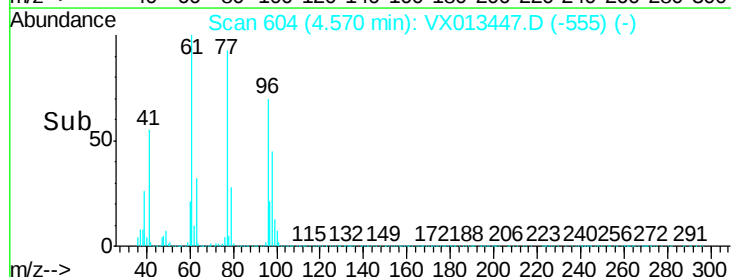
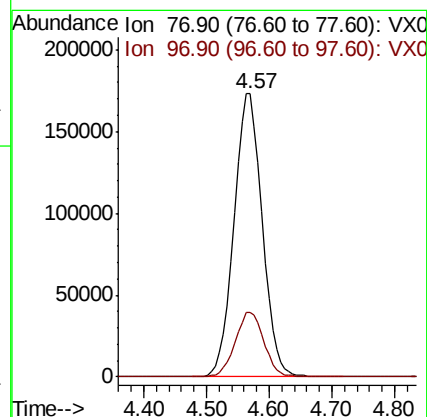
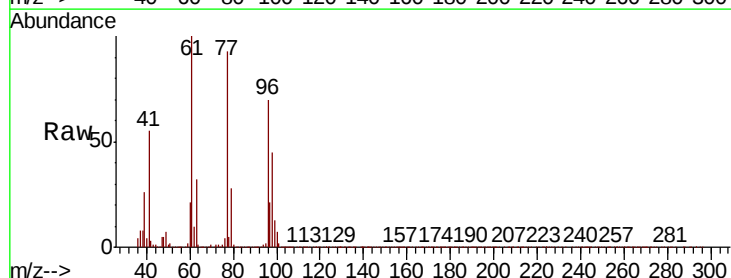
Acq: 15 Nov 2019 16:54

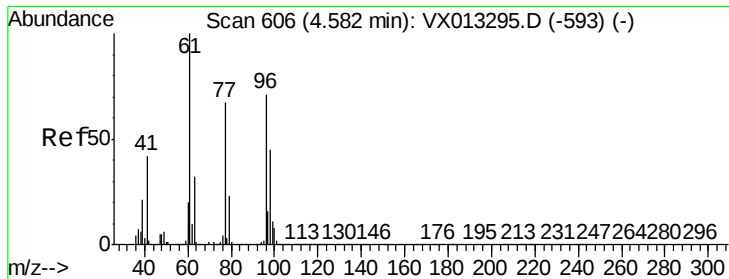
Tgt Ion: 77 Resp: 537316

Ion Ratio Lower Upper

77 100

97 23.2 11.3 33.8



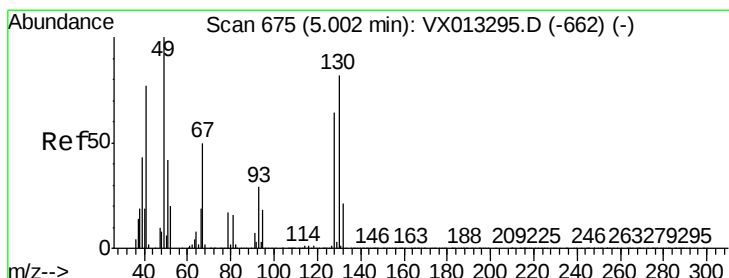
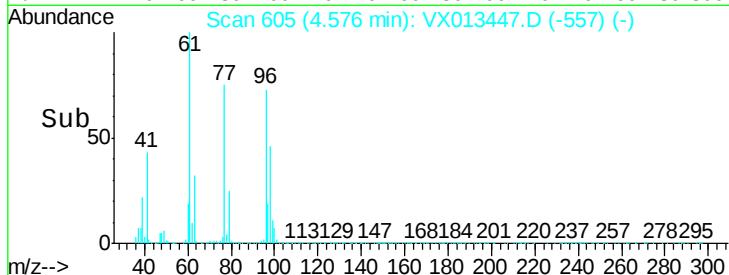
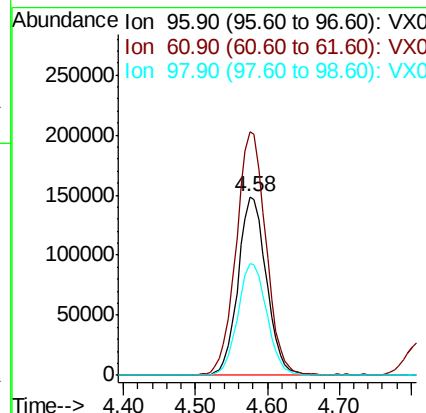
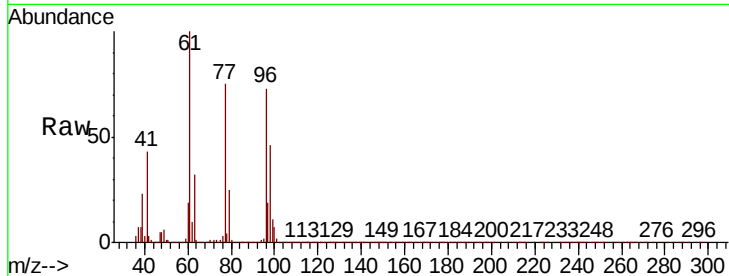


#27

cis-1,2-Dichloroethene
Concen: 58.605 ug/l
RT: 4.58 min Scan# 605
Delta R.T. -0.01 min
Lab File: VX013447.D
Acq: 15 Nov 2019 16:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

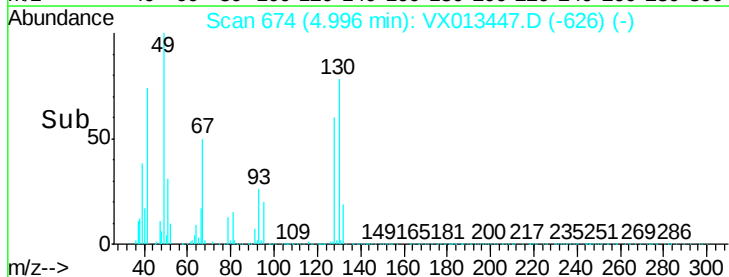
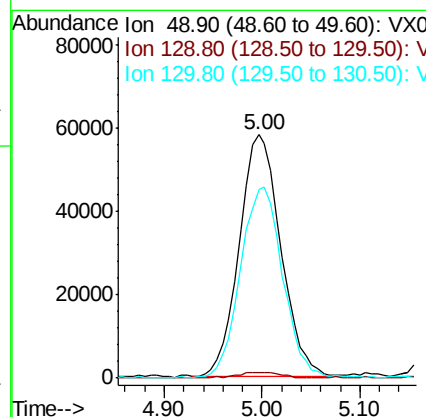
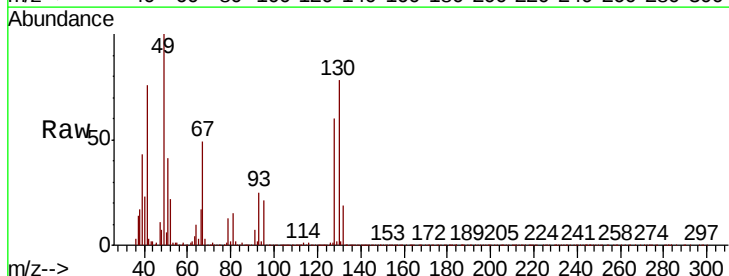
Tot Ion	Ratio	Lower	Upper
96	100		
61	142.3	0.0	288.0
98	63.7	0.0	129.6

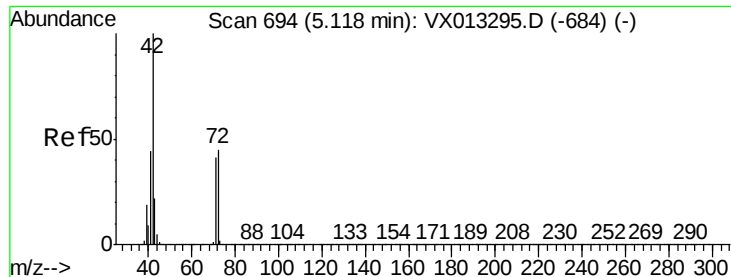


#28

Bromochloromethane
Concen: 54.004 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX013447.D
Acq: 15 Nov 2019 16:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.2
130	79.7	63.8	95.6





#29

Tetrahydrofuran

Concen: 286.509 ug/l

RT: 5.11 min Scan# 692

Delta R.T. -0.01 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

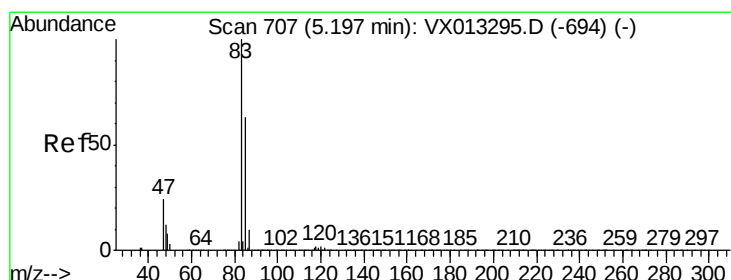
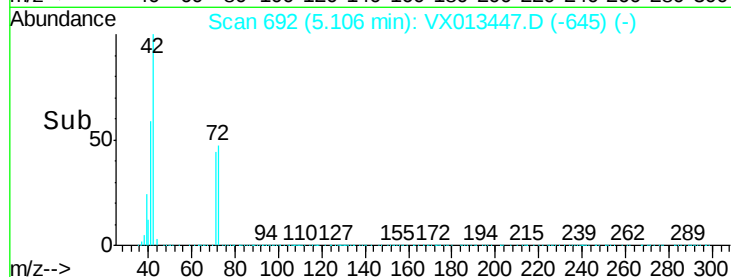
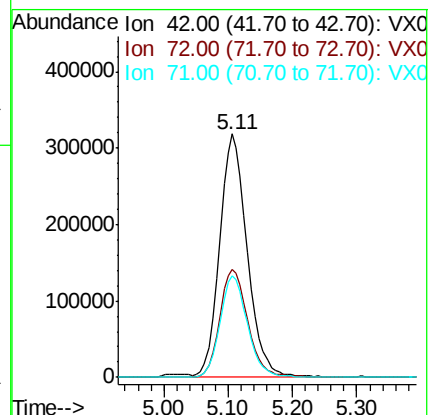
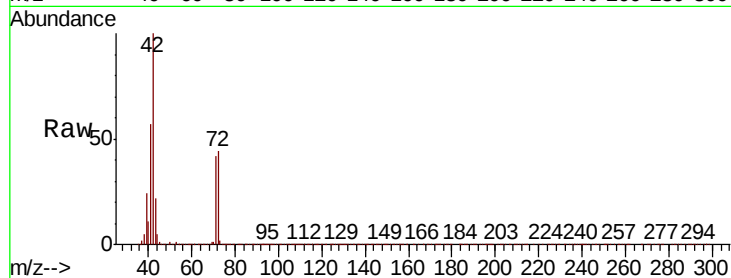
Tot Ion: 42 Resp: 952796

Ion Ratio Lower Upper

42 100

72 45.2 35.8 53.8

71 41.7 33.4 50.0



#30

Chloroform

Concen: 57.298 ug/l

RT: 5.19 min Scan# 706

Delta R.T. -0.01 min

Lab File: VX013447.D

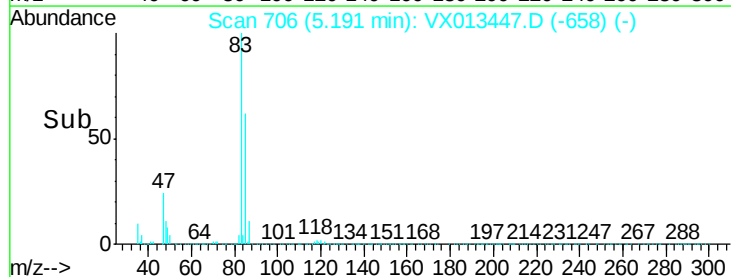
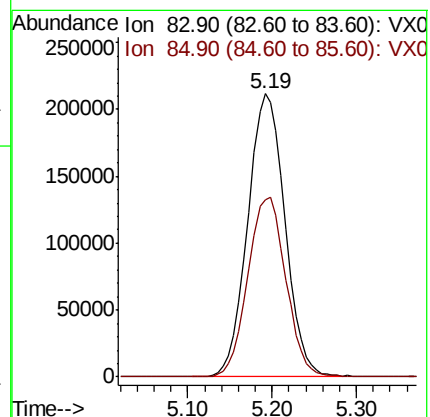
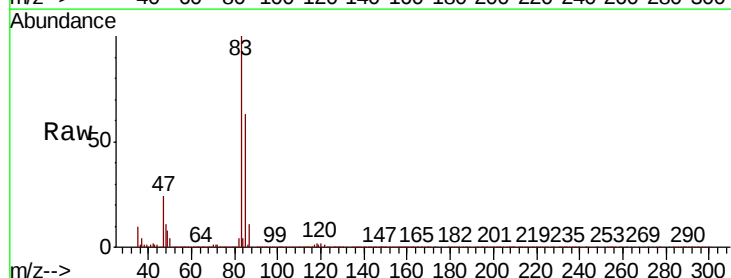
Acq: 15 Nov 2019 16:54

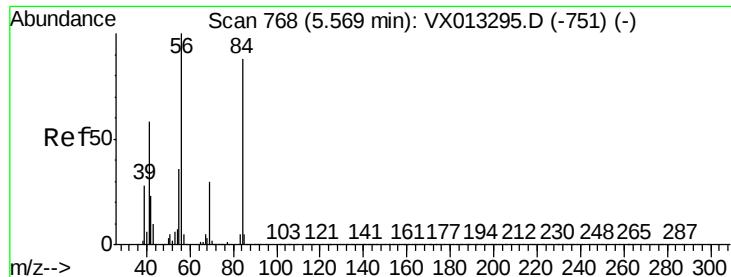
Tgt Ion: 83 Resp: 633984

Ion Ratio Lower Upper

83 100

85 62.7 50.2 75.4

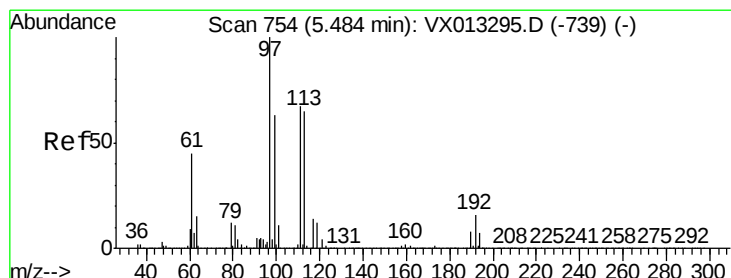
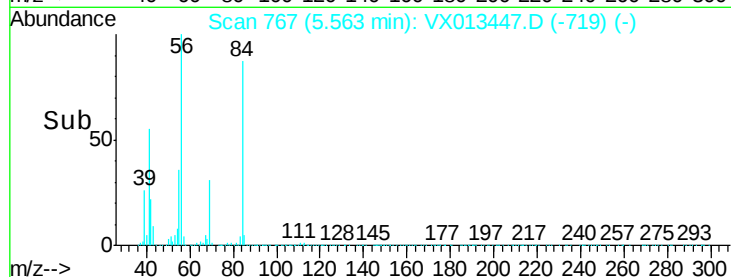
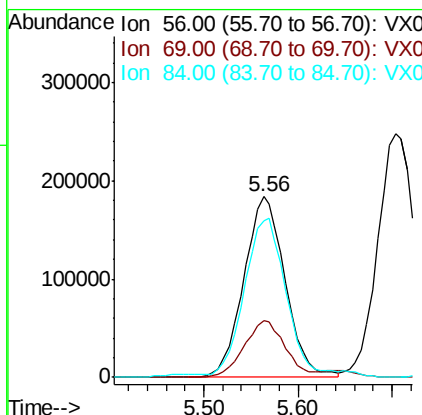
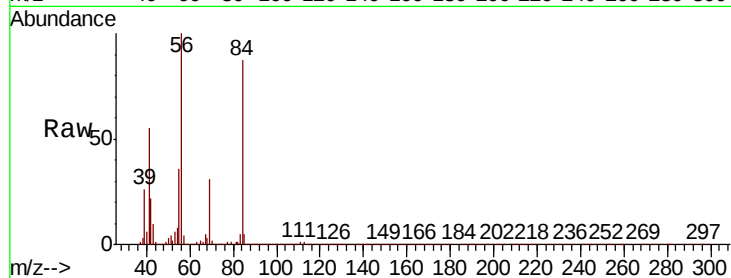




#31
Cyclohexane
Concen: 55.706 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX013447.D
Acq: 15 Nov 2019 16:54

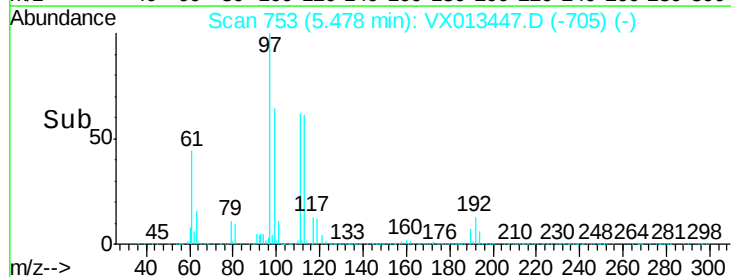
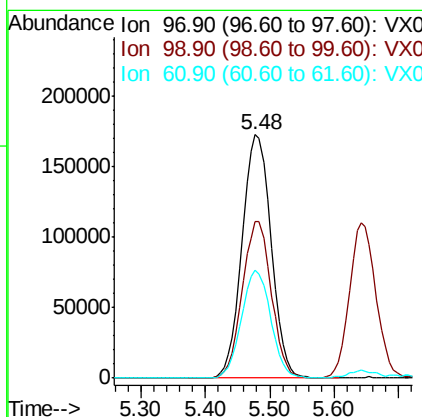
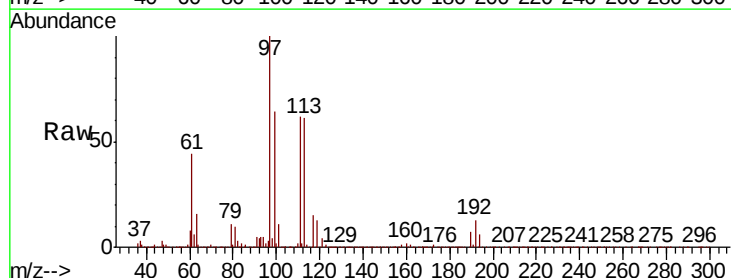
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

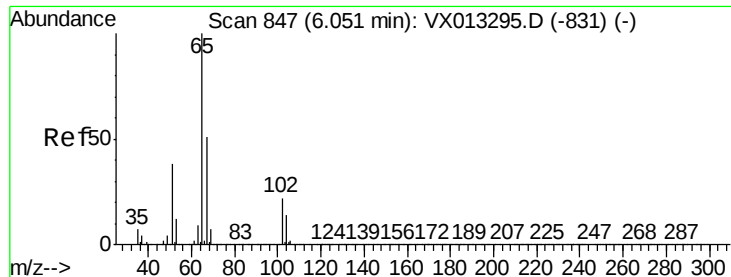
Tot Ion: 56 Resp: 561671
Ion Ratio Lower Upper
56 100
69 31.0 23.7 35.5
84 85.3 70.6 105.8



#32
1,1,1-Trichloroethane
Concen: 56.196 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.01 min
Lab File: VX013447.D
Acq: 15 Nov 2019 16:54

Tgt Ion: 97 Resp: 535101
Ion Ratio Lower Upper
97 100
99 64.0 51.1 76.7
61 44.2 36.5 54.7





#33

1,2-Dichloroethane-d4

Concen: 48.811 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.01 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

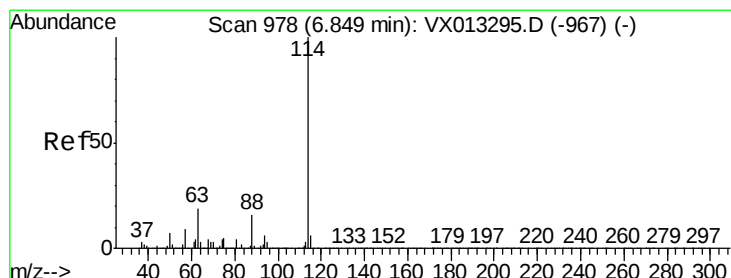
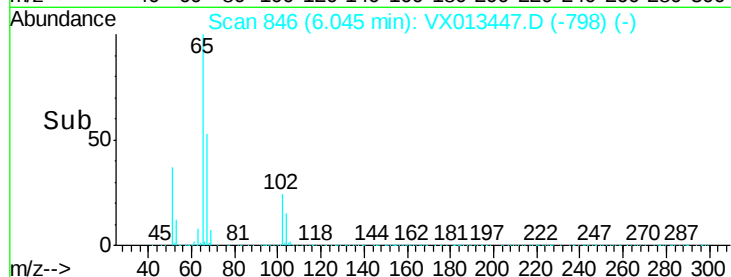
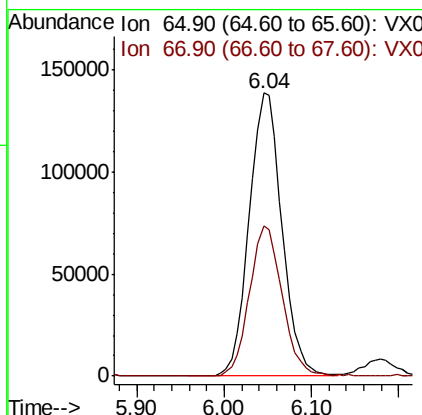
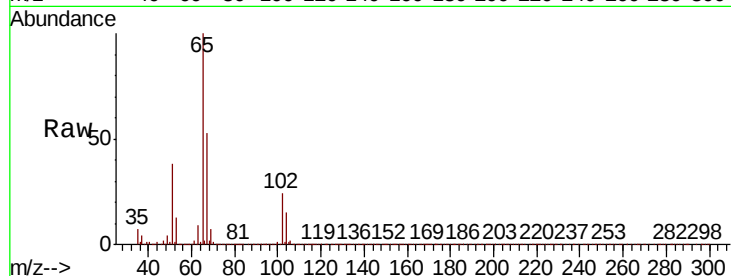
VSTDCCC050EC

Tot Ion: 65 Resp: 359981

Ion Ratio Lower Upper

65 100

67 52.7 0.0 104.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

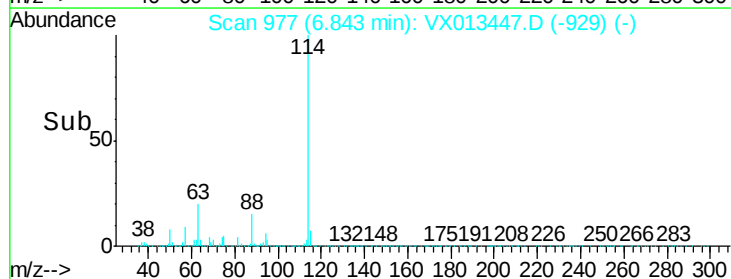
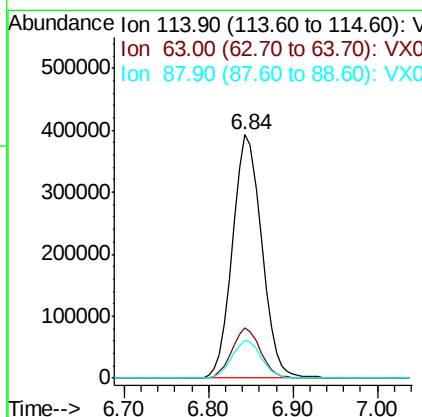
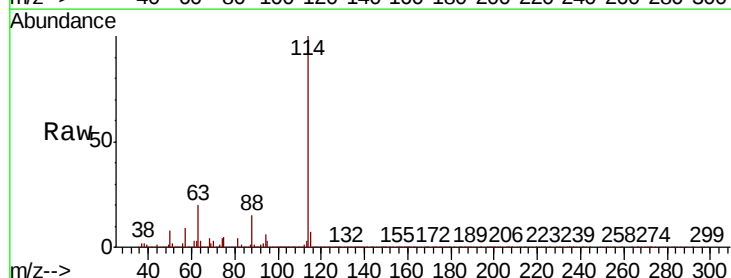
Tgt Ion: 114 Resp: 921111

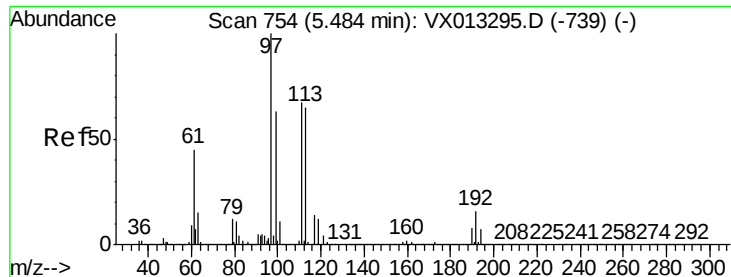
Ion Ratio Lower Upper

114 100

63 20.5 0.0 38.4

88 15.5 0.0 32.2

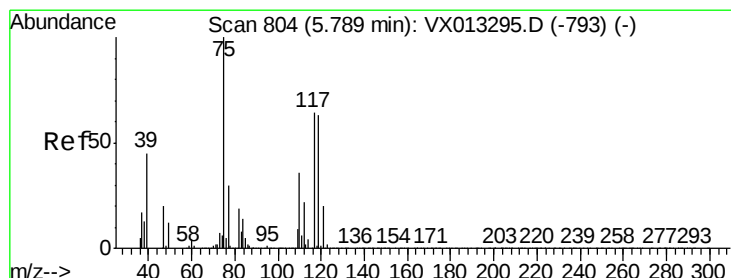
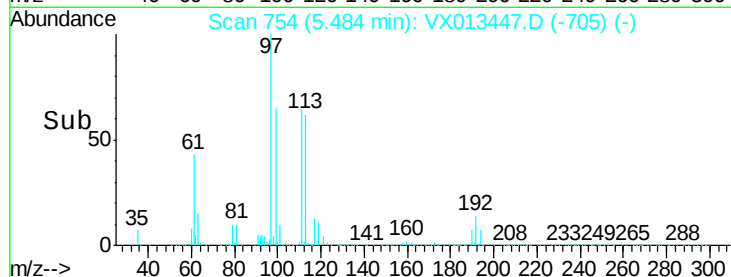
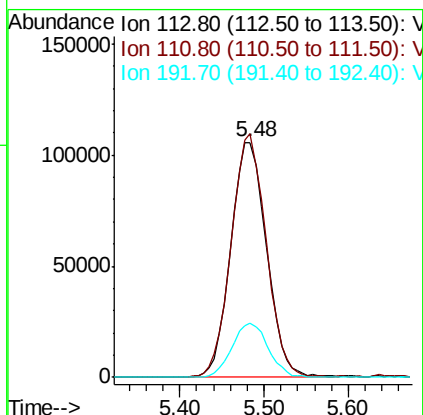
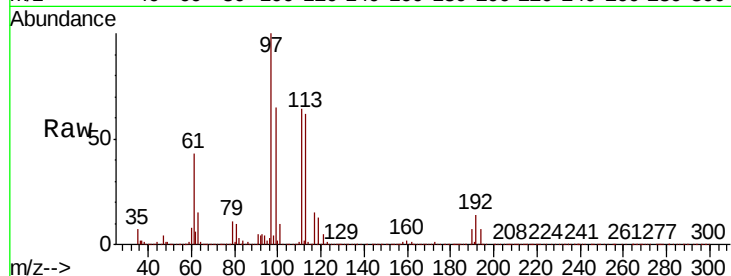




#35
 Dibromofluoromethane
 Concen: 52.452 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX013447.D
 Acq: 15 Nov 2019 16:54

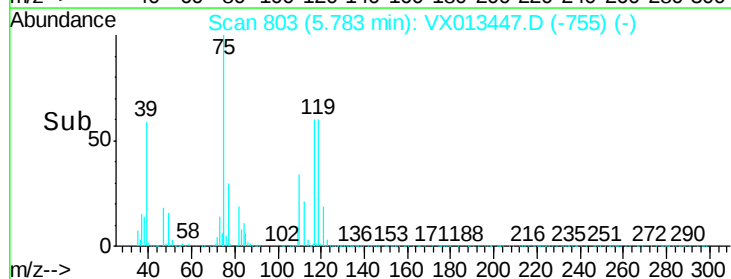
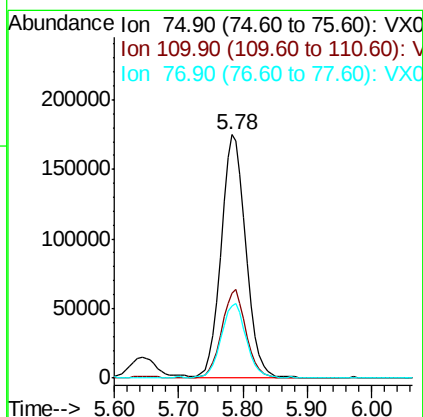
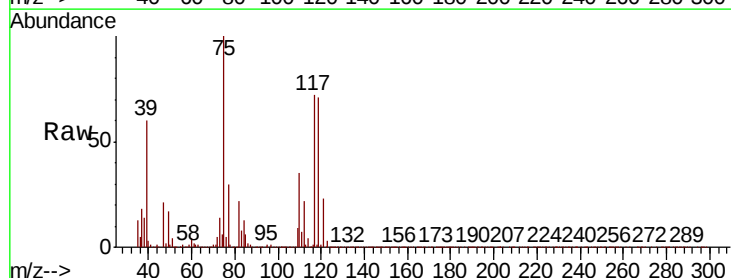
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

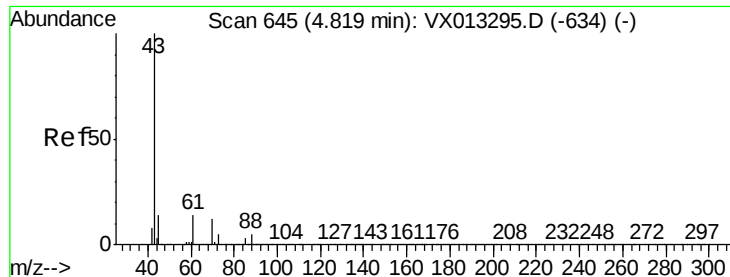
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.9	122.9
192	23.3	19.1	28.7



#36
 1,1-Dichloropropene
 Concen: 59.891 ug/l
 RT: 5.78 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: VX013447.D
 Acq: 15 Nov 2019 16:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	18.1	54.1
77	30.7	25.0	37.4

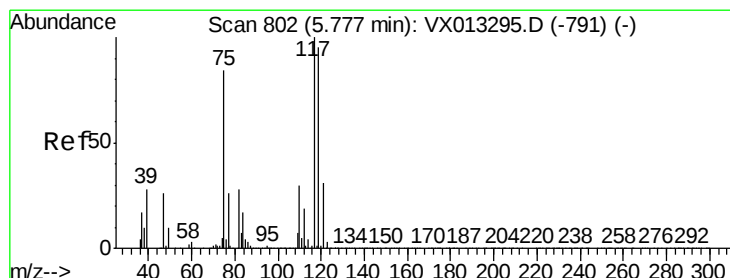
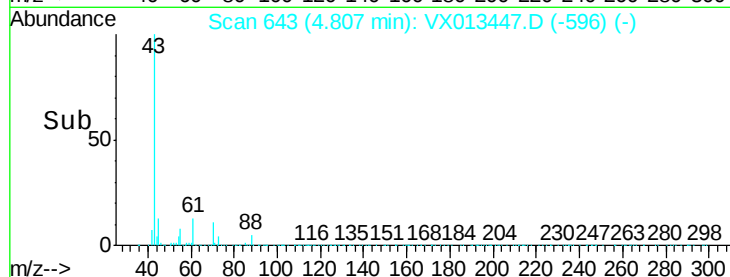
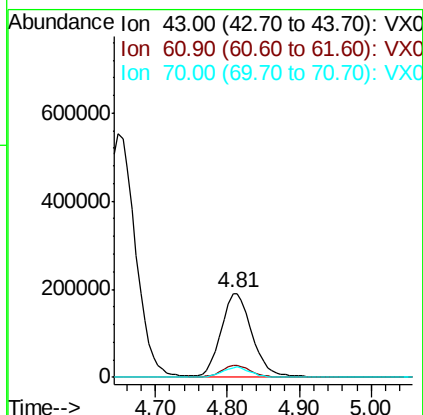
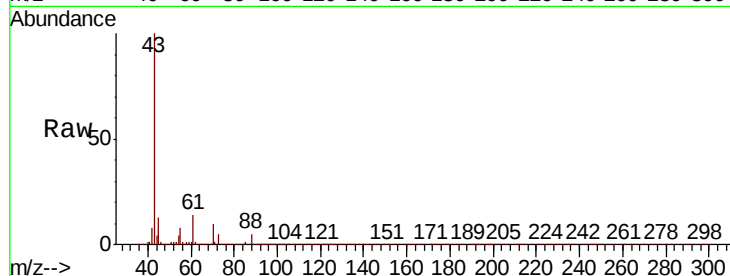




#37
Ethyl Acetate
Concen: 58.329 ug/l
RT: 4.81 min Scan# 643
Delta R.T. -0.01 min
Lab File: VX013447.D
Acq: 15 Nov 2019 16:54

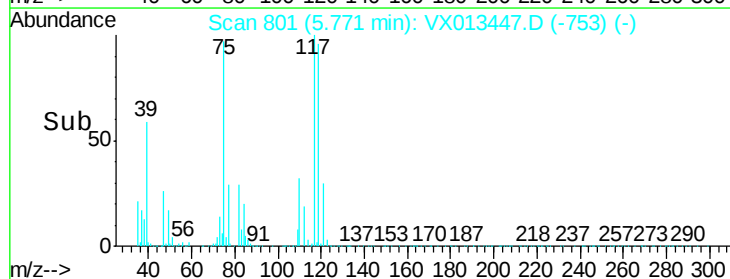
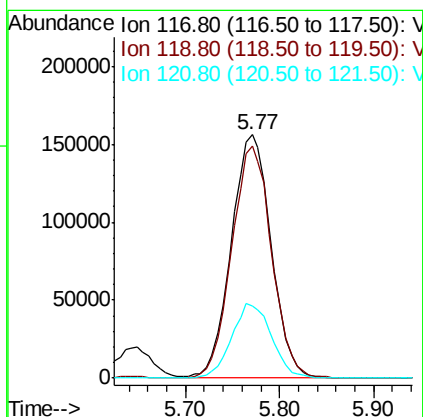
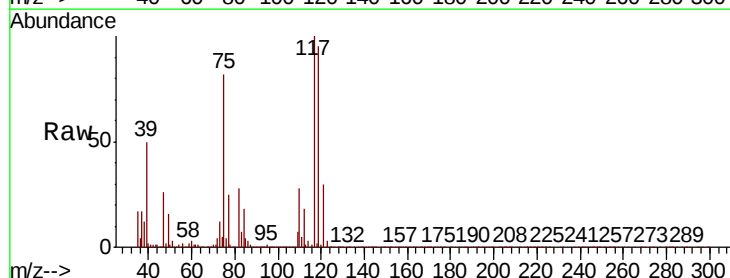
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

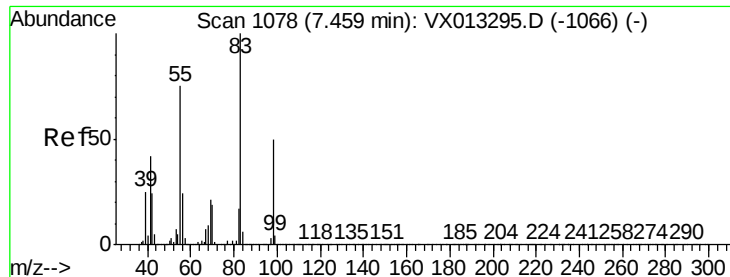
Tot Ion: 43 Resp: 569534
Ion Ratio Lower Upper
43 100
61 13.6 10.7 16.1
70 10.9 8.7 13.1



#38
Carbon Tetrachloride
Concen: 59.287 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX013447.D
Acq: 15 Nov 2019 16:54

Tgt Ion: 117 Resp: 458118
Ion Ratio Lower Upper
117 100
119 95.2 76.1 114.1
121 29.8 24.6 37.0

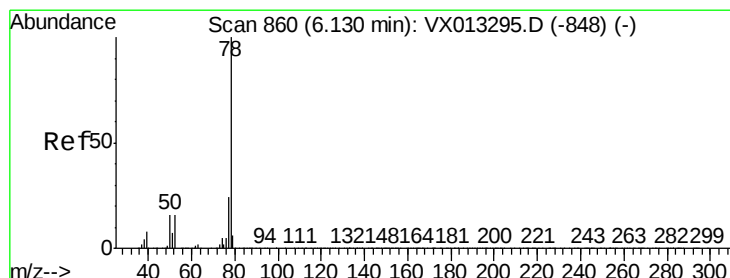
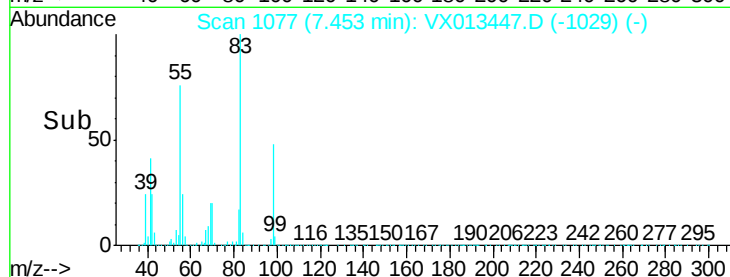
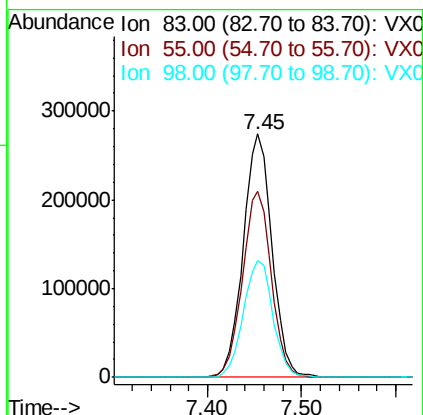
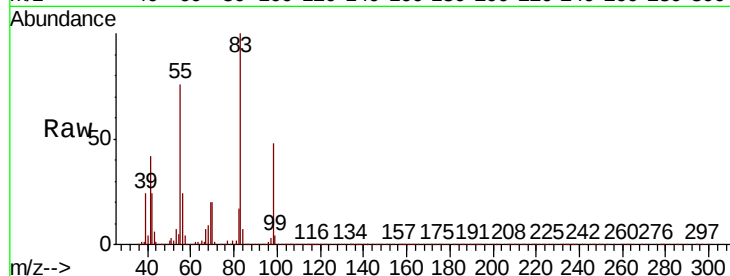




#39
Methvlcvclohexane
Concen: 59.553 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX013447.D
Acq: 15 Nov 2019 16:54

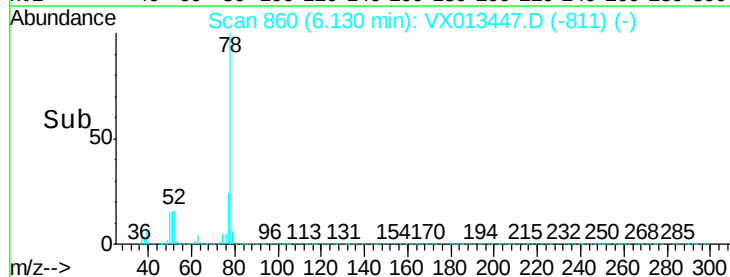
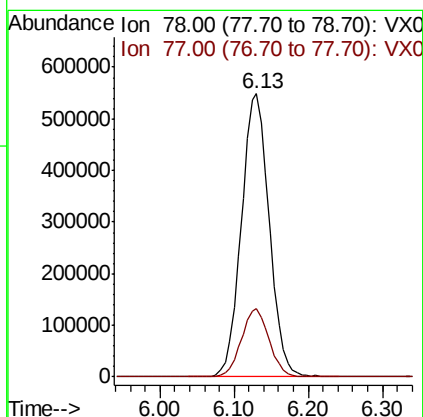
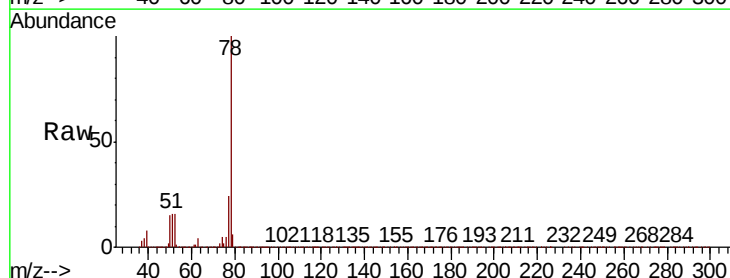
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	586363
Ion Ratio	Lower	Upper	
83	100		
55	76.4	60.3	90.5
98	48.1	40.3	60.5



#40
Benzene
Concen: 58.570 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX013447.D
Acq: 15 Nov 2019 16:54

Tgt Ion	78	Resp	1441679
Ion Ratio	Lower	Upper	
78	100		
77	24.2	19.5	29.3

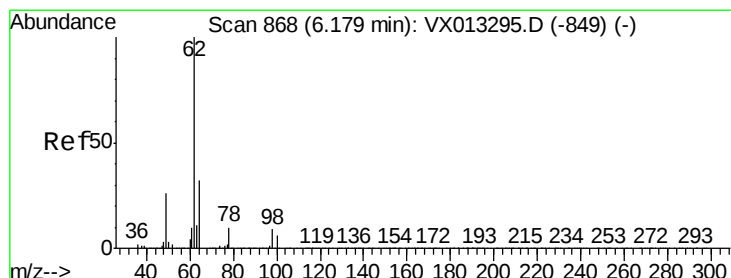
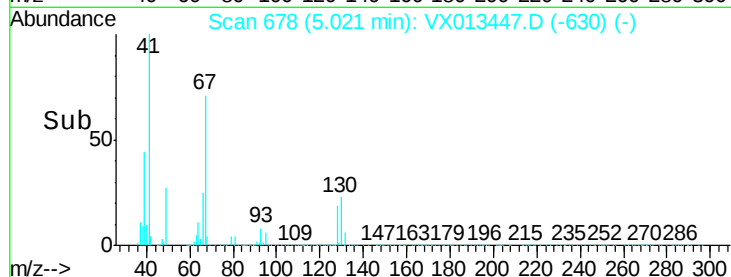
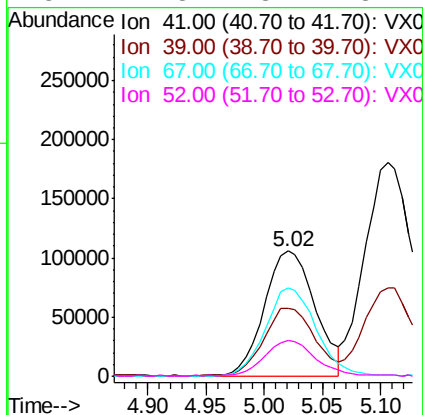
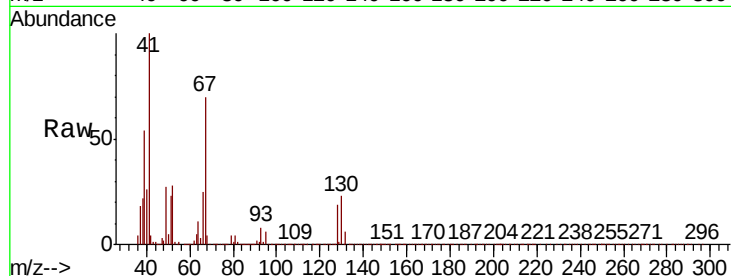




#41
Methacrylonitrile
Concen: 58.259 ug/l
RT: 5.02 min Scan# 678
Delta R.T. -0.01 min
Lab File: VX013447.D
Acq: 15 Nov 2019 16:54

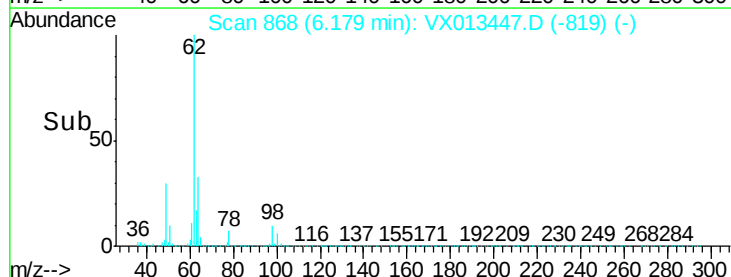
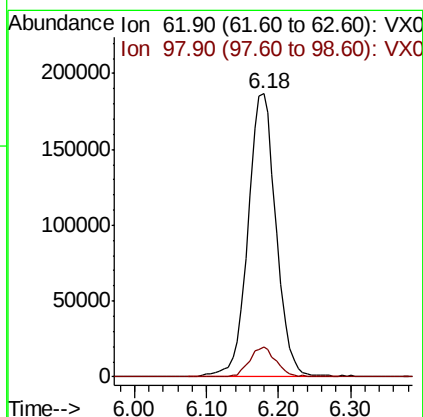
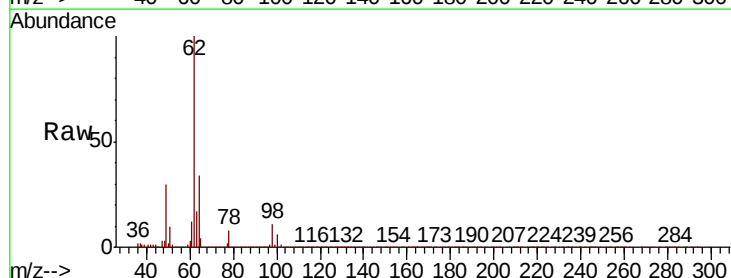
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

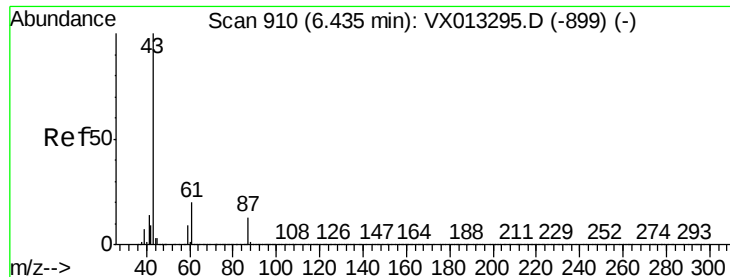
Tot Ion:	41	Resp:	318845
Ion	Ratio	Lower	Upper
41	100		
39	54.5	45.0	67.6
67	70.7	55.4	83.2
52	27.8	23.1	34.7



#42
1,2-Dichloroethane
Concen: 56.933 ug/l
RT: 6.18 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX013447.D
Acq: 15 Nov 2019 16:54

Tgt Ion:	62	Resp:	505485
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.4





#43

Isopropyl Acetate

Concen: 60.806 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

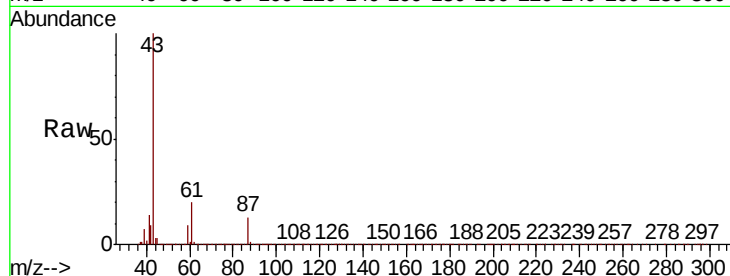
Tot Ion: 43 Resp: 924526

Ion Ratio Lower Upper

43 100

61 20.2 15.8 23.8

87 13.0 10.4 15.6

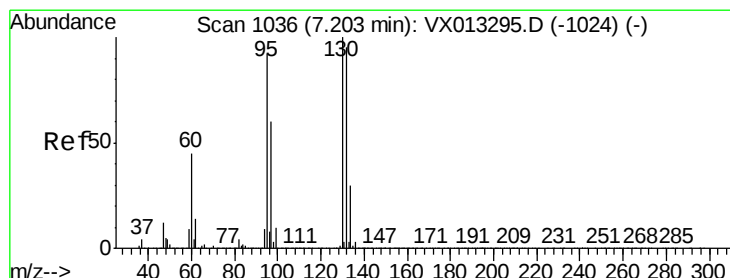
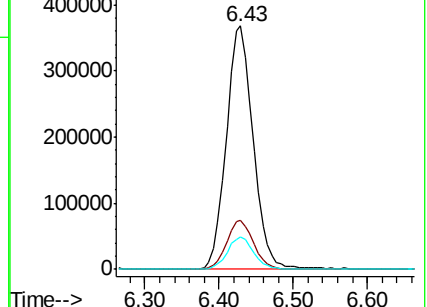
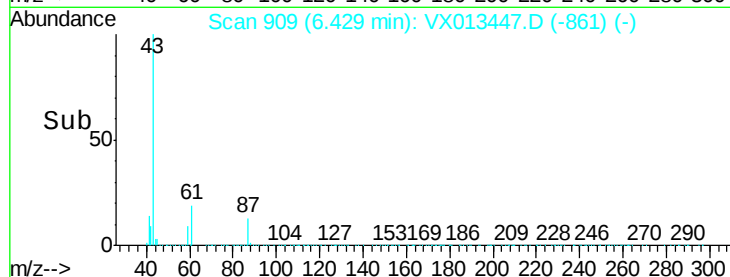


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Time-->



#44

Trichloroethene

Concen: 57.785 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VX013447.D

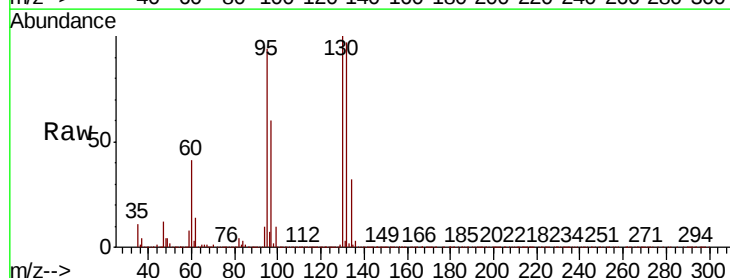
Acq: 15 Nov 2019 16:54

Tgt Ion: 130 Resp: 391525

Ion Ratio Lower Upper

130 100

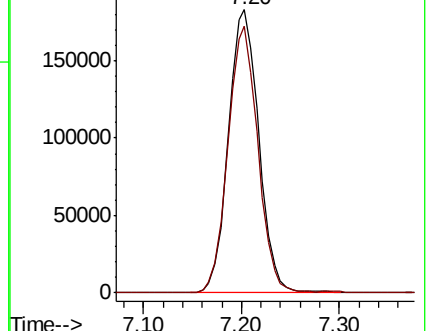
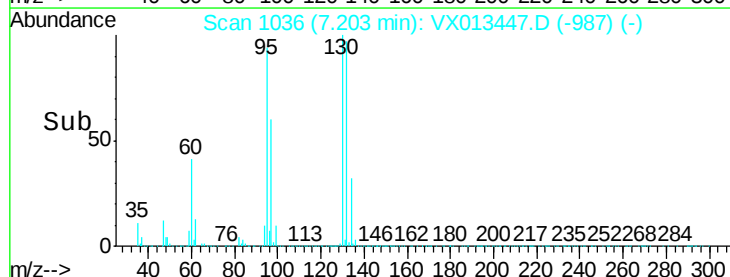
95 94.1 0.0 184.8

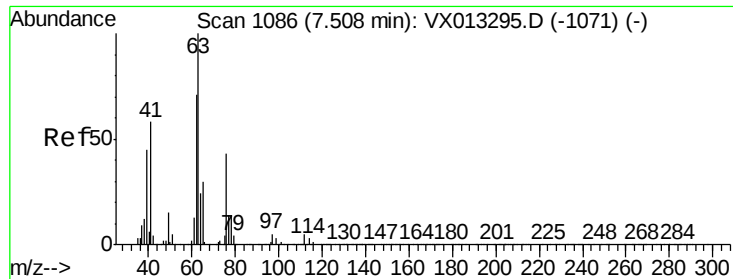


Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

Time-->





#45

1,2-Dichloropropane

Concen: 60.541 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

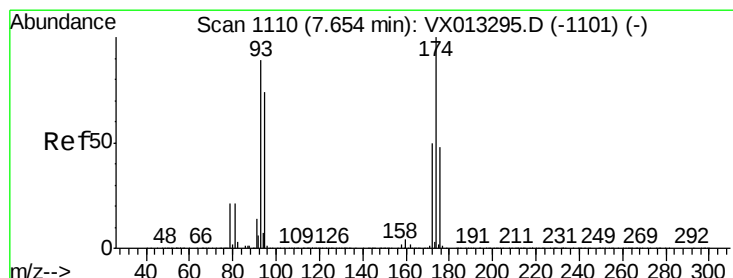
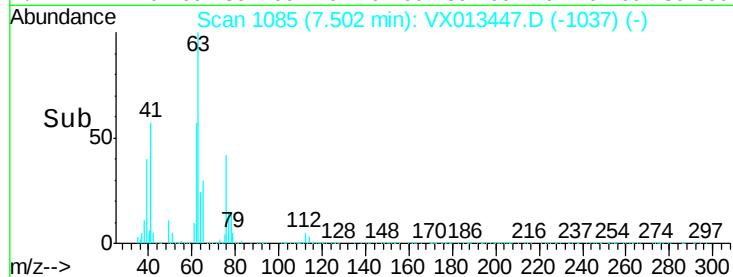
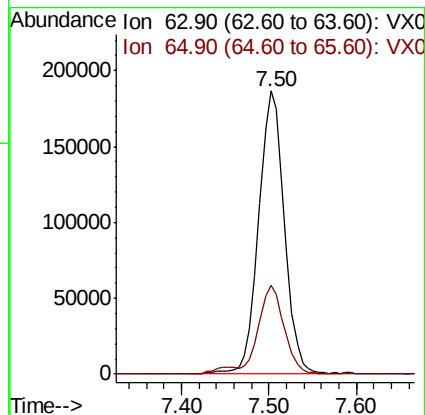
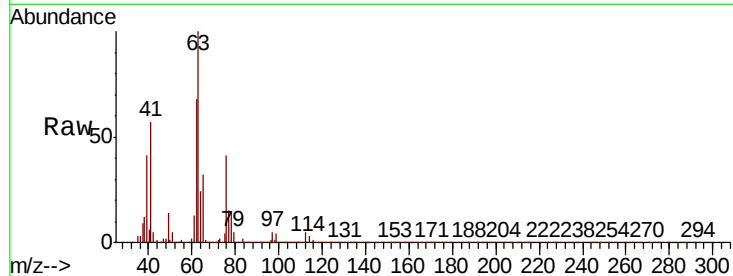
VSTDCCC050EC

Tot Ion: 63 Resp: 379694

Ion Ratio Lower Upper

63 100

65 31.5 24.3 36.5



#46

Dibromomethane

Concen: 57.921 ug/l

RT: 7.65 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

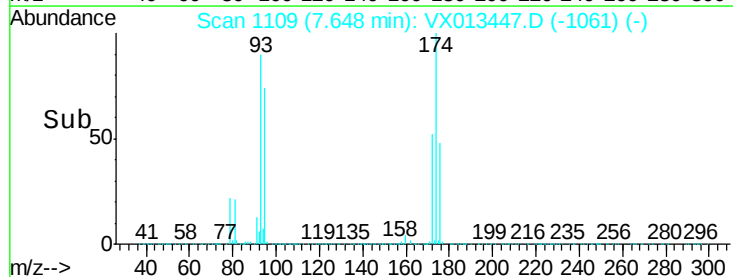
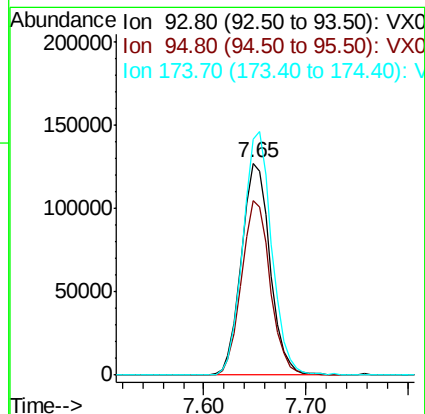
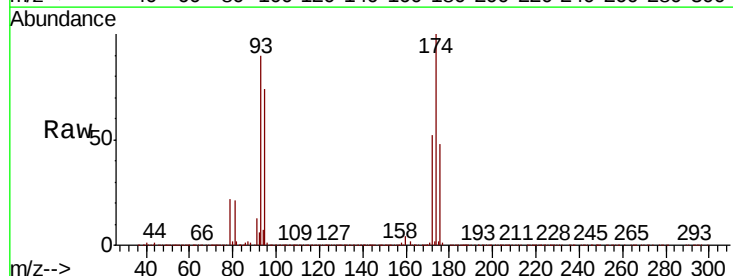
Tgt Ion: 93 Resp: 248025

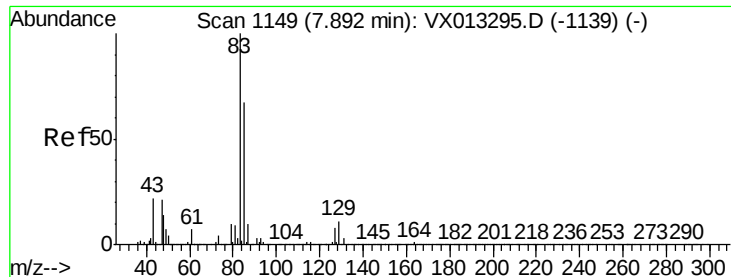
Ion Ratio Lower Upper

93 100

95 82.7 65.8 98.6

174 115.1 90.4 135.6





#47

Bromodichloromethane

Concen: 61.927 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

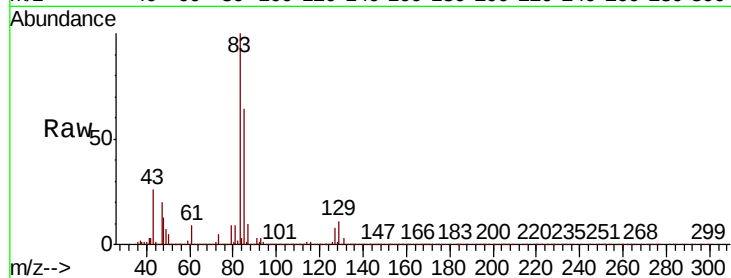
Tot Ion: 83 Resp: 500046

Ion Ratio Lower Upper

83 100

85 64.2 53.7 80.5

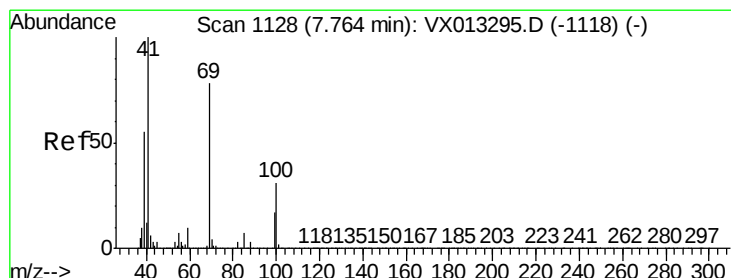
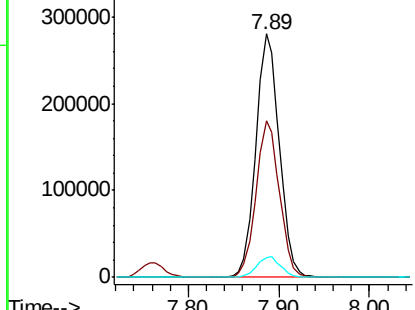
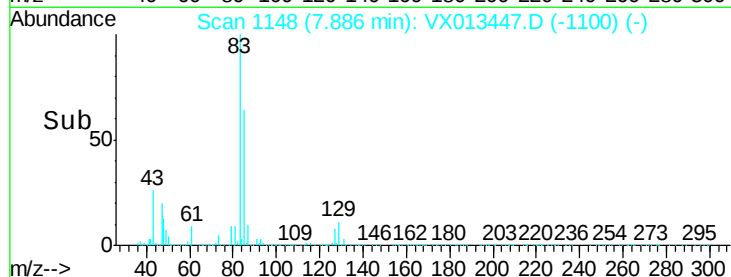
127 7.9 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 61.070 ug/l

RT: 7.76 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

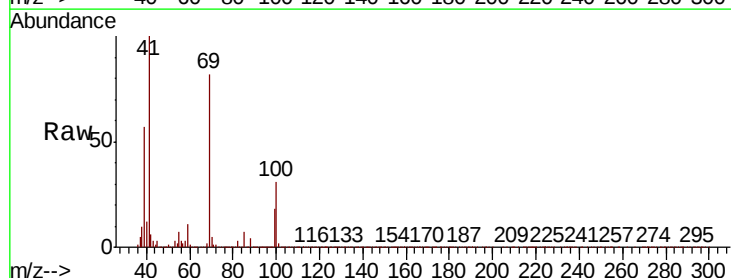
Tgt Ion: 41 Resp: 463508

Ion Ratio Lower Upper

41 100

69 81.5 63.0 94.6

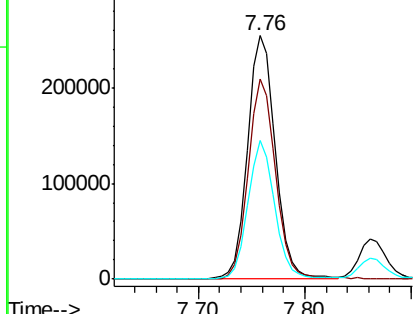
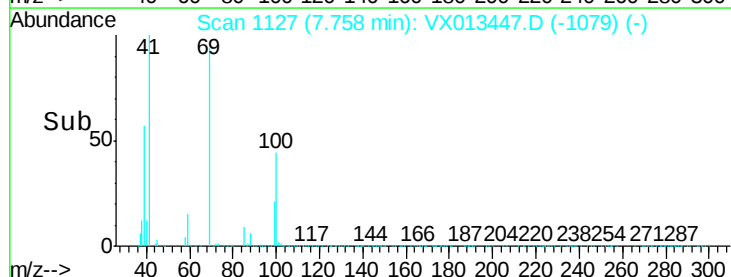
39 54.9 45.9 68.9

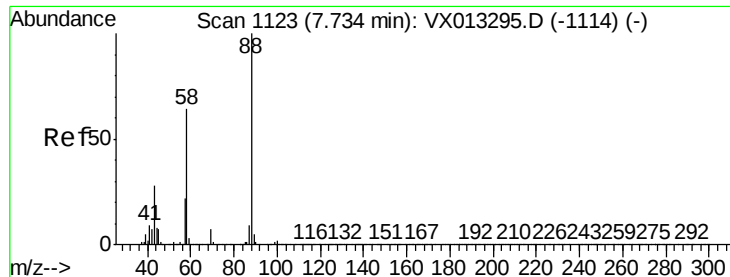


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 1060.784 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

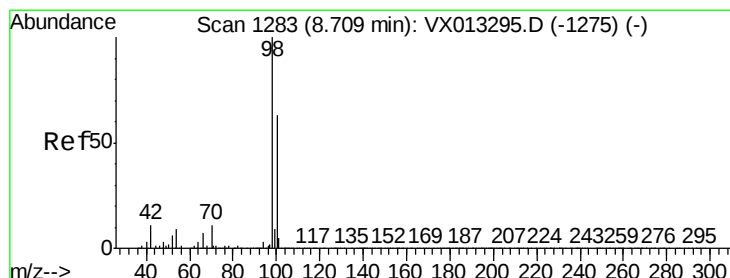
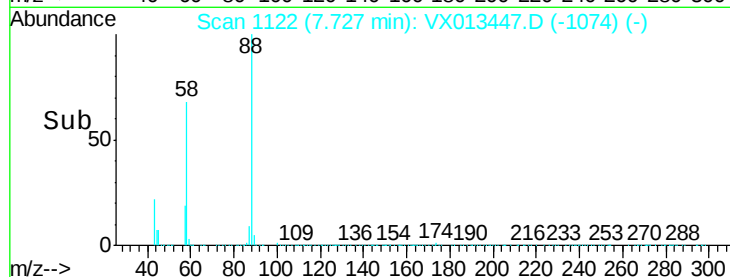
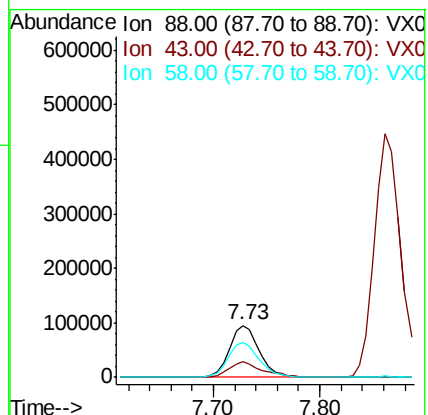
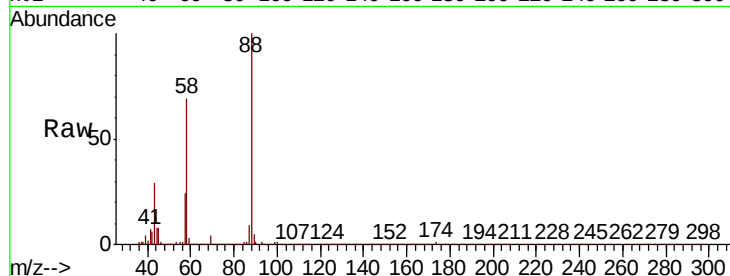
Tot Ion: 88 Resp: 184380

Ion Ratio Lower Upper

88 100

43 32.9 26.6 39.8

58 71.1 55.0 82.6



#50

Toluene-d8

Concen: 52.584 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013447.D

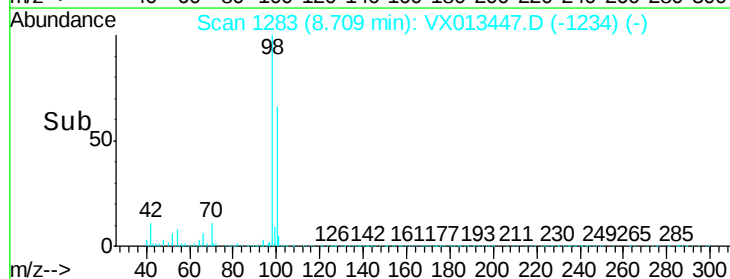
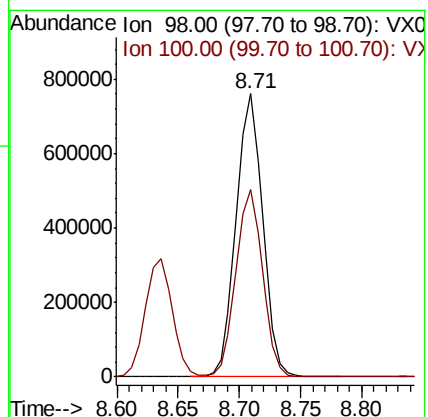
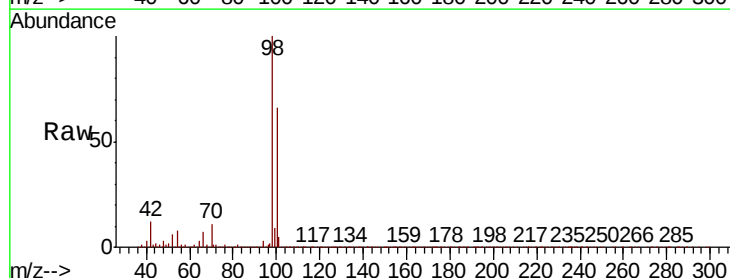
Acq: 15 Nov 2019 16:54

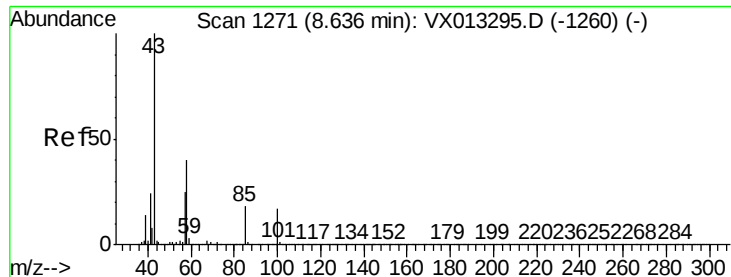
Tgt Ion: 98 Resp: 1145266

Ion Ratio Lower Upper

98 100

100 66.2 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 295.002 ug/l

RT: 8.63 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

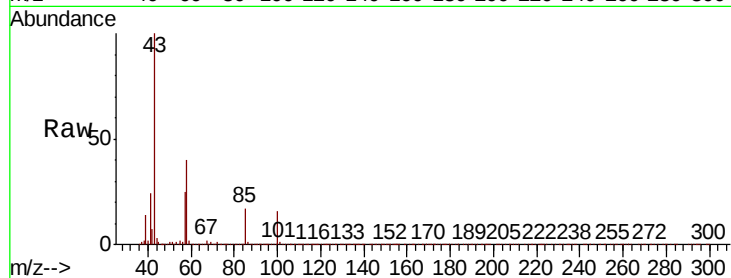
VSTDCCC050EC

Tot Ion: 43 Resp: 2942806

Ion Ratio Lower Upper

43 100

58 39.9 31.4 47.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.63

2000000

1500000

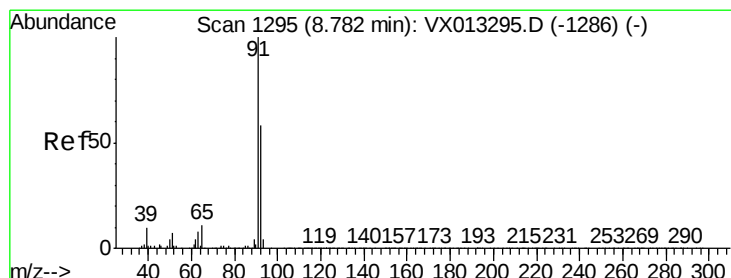
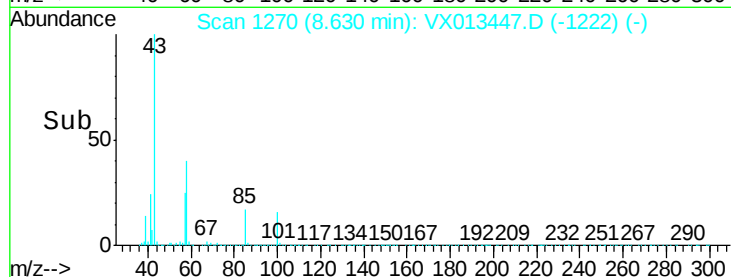
1000000

500000

0

Time-->

8.55 8.60 8.65 8.70



#52

Toluene

Concen: 59.404 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX013447.D

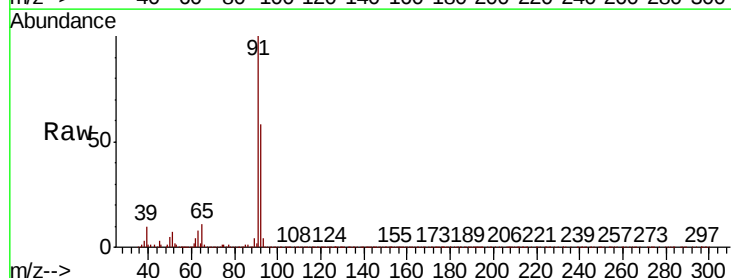
Acq: 15 Nov 2019 16:54

Tgt Ion: 92 Resp: 906257

Ion Ratio Lower Upper

92 100

91 170.7 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

1200000

1000000

800000

600000

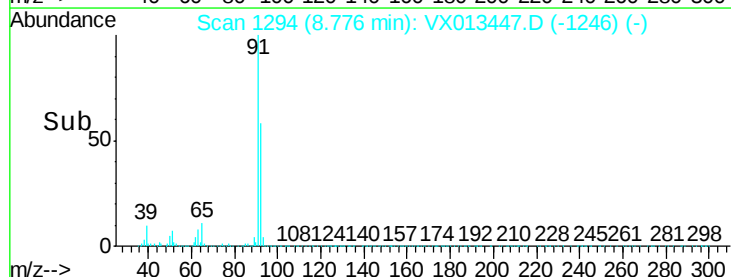
400000

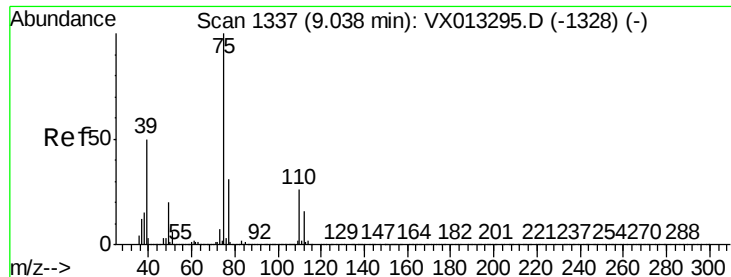
200000

0

Time-->

8.70 8.80 8.90





#53

t-1,3-Dichloropropene

Concen: 63.415 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

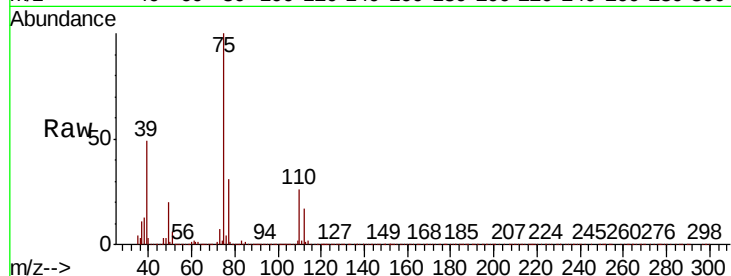
VSTDCCC050EC

Tot Ion: 75 Resp: 559937

Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.03

400000

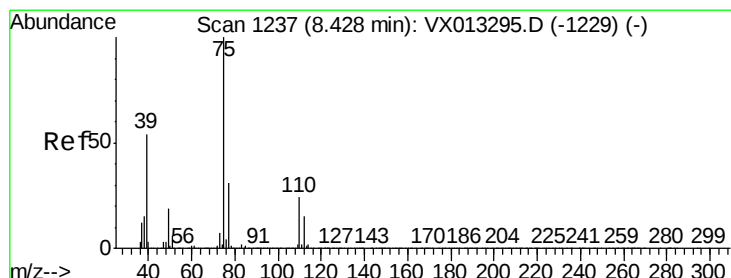
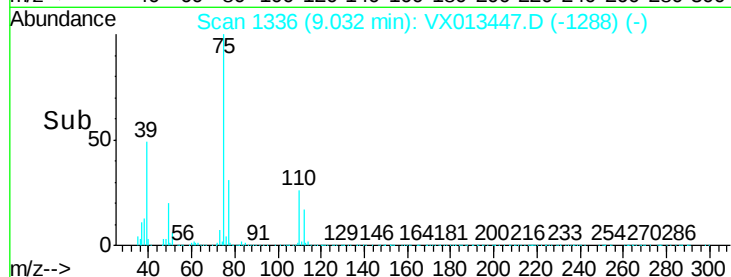
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 62.435 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

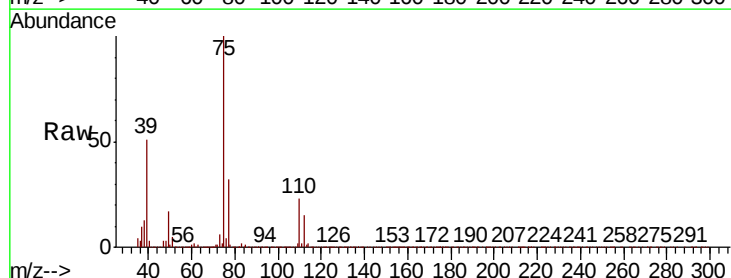
Tgt Ion: 75 Resp: 616678

Ion Ratio Lower Upper

75 100

77 31.6 24.7 37.1

39 50.5 43.0 64.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.43

500000

400000

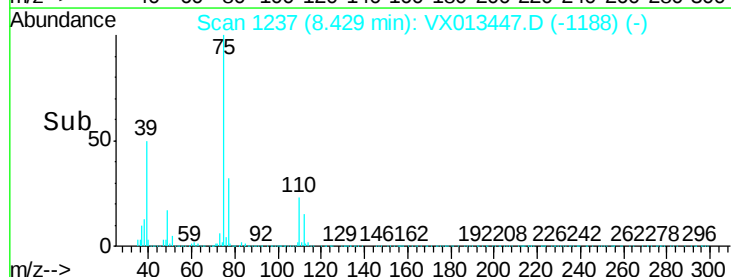
300000

200000

100000

0

Time-->

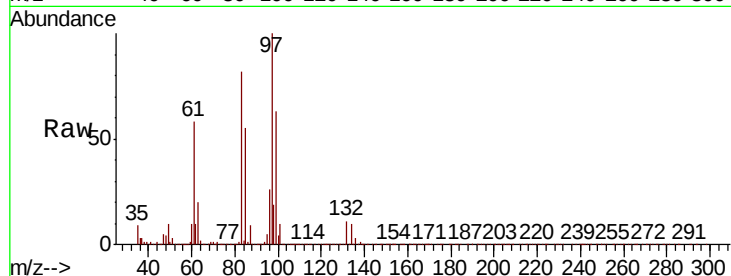




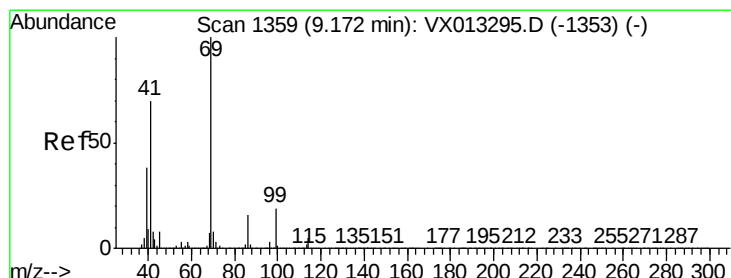
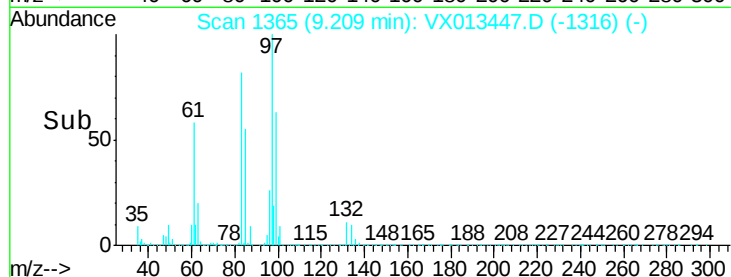
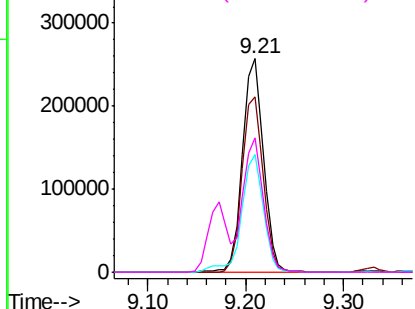
#55
 1,1,2-Trichloroethane
 Concen: 60.797 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX013447.D
 Acq: 15 Nov 2019 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	384444
Ion	Ratio	Lower	Upper
97	100		
83	82.0	68.6	103.0
85	55.4	43.1	64.7
99	62.7	49.4	74.0

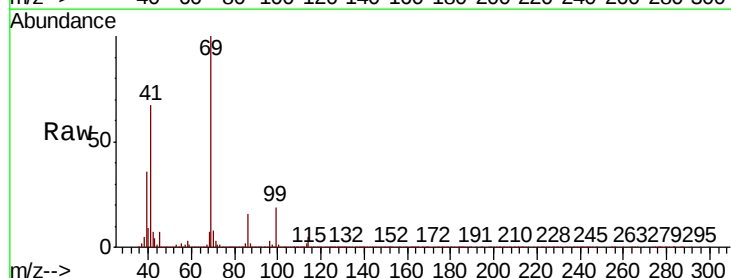


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

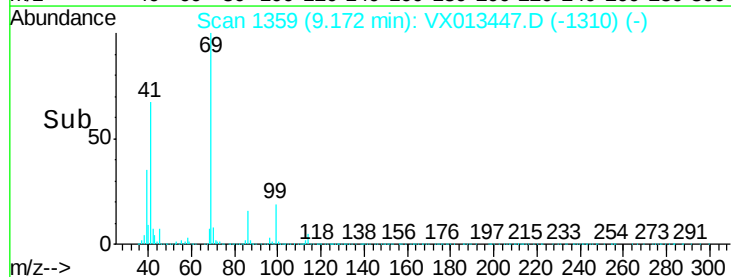
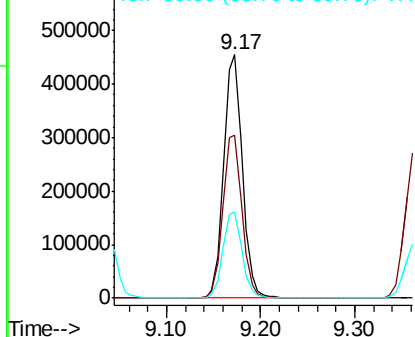


#56
 Ethyl methacrylate
 Concen: 57.532 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX013447.D
 Acq: 15 Nov 2019 16:54

Tgt Ion:	69	Resp:	623707
Ion	Ratio	Lower	Upper
69	100		
41	68.4	56.2	84.2
39	36.0	31.1	46.7



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 60.144 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

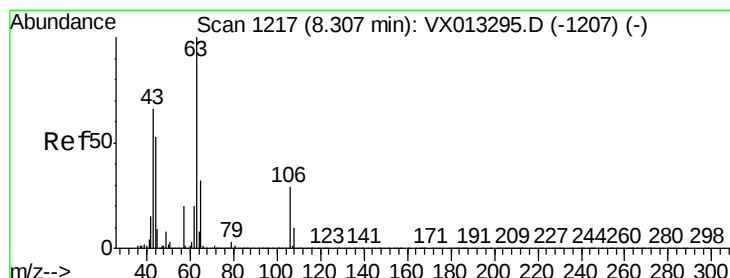
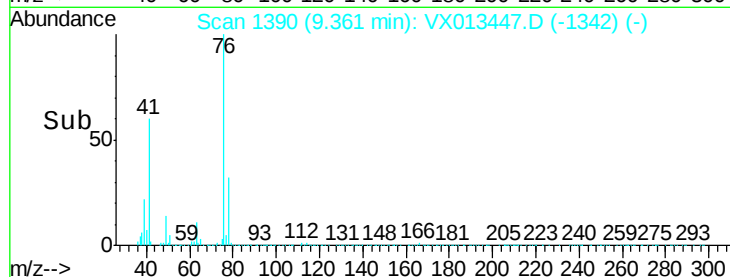
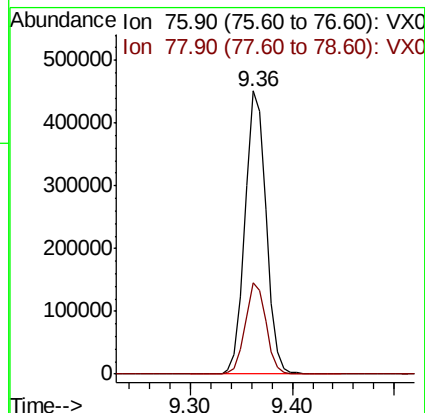
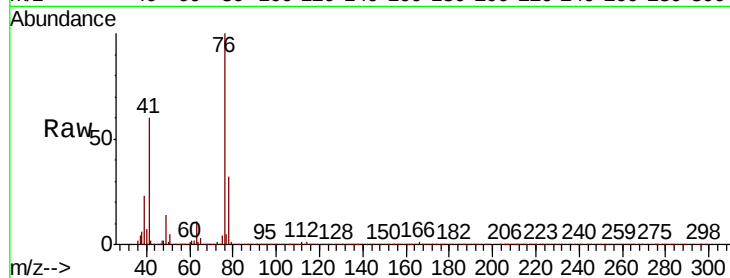
VSTDCCC050EC

Tot Ion: 76 Resp: 645602

Ion Ratio Lower Upper

76 100

78 31.9 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 336.263 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX013447.D

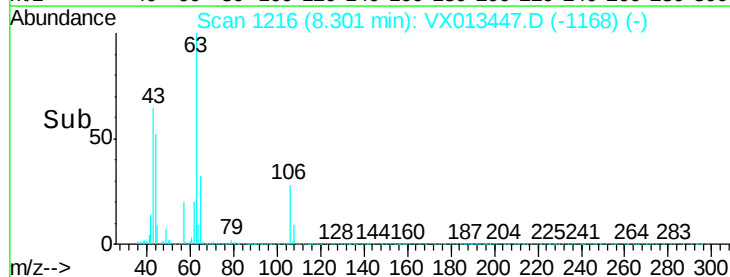
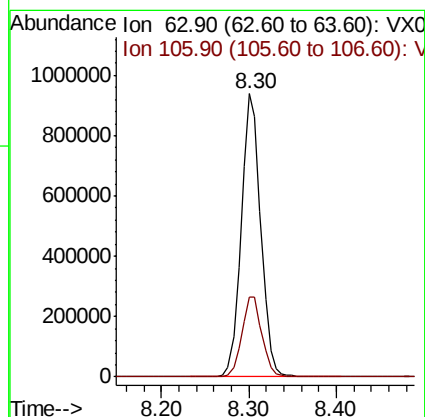
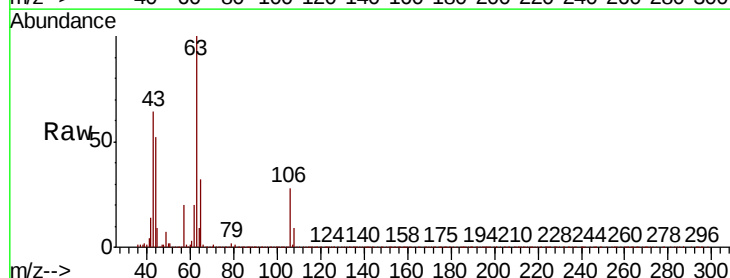
Acq: 15 Nov 2019 16:54

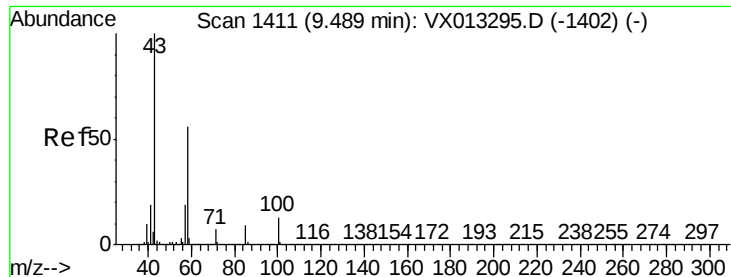
Tgt Ion: 63 Resp: 1453878

Ion Ratio Lower Upper

63 100

106 29.1 23.4 35.2

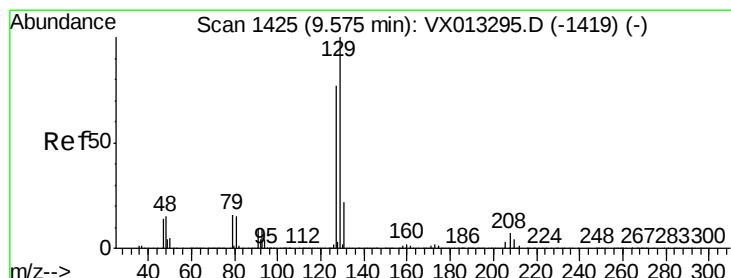
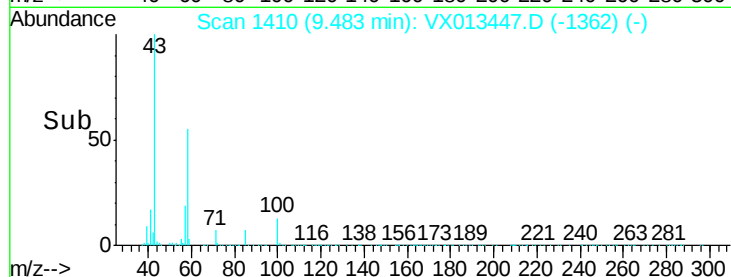
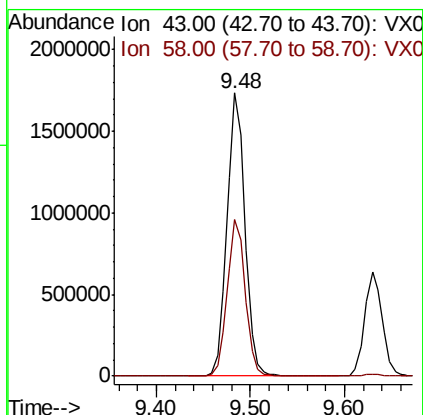
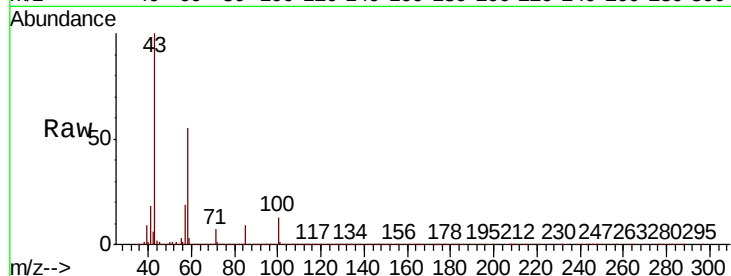




#59
2-Hexanone
Concen: 297.553 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX013447.D
Acq: 15 Nov 2019 16:54

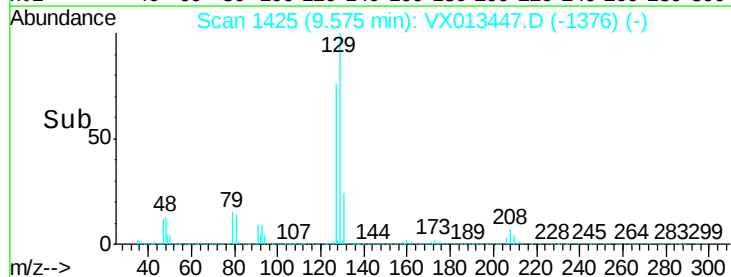
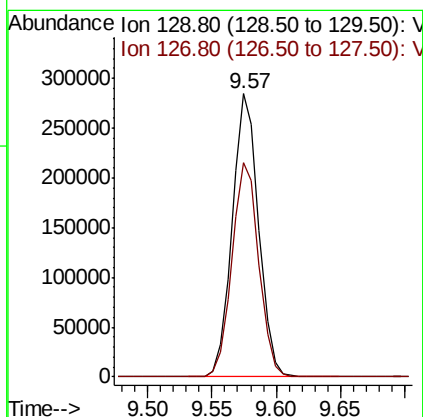
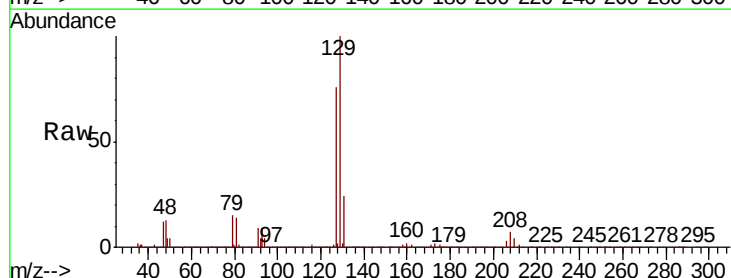
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

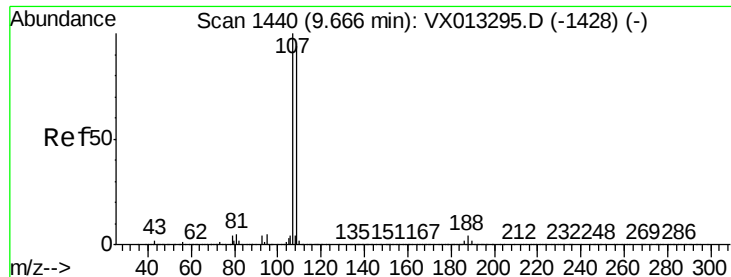
Tot Ion: 43 Resp: 2293798
Ion Ratio Lower Upper
43 100
58 55.5 27.3 81.8



#60
Dibromochloromethane
Concen: 62.570 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VX013447.D
Acq: 15 Nov 2019 16:54

Tgt Ion: 129 Resp: 404650
Ion Ratio Lower Upper
129 100
127 77.4 39.1 117.2





#61

1,2-Dibromoethane

Concen: 59.298 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

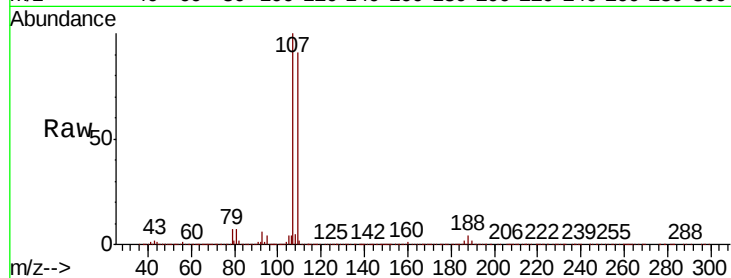
VSTDCCC050EC

Tot Ion: 107 Resp: 398165

Ion Ratio Lower Upper

107 100

109 94.0 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

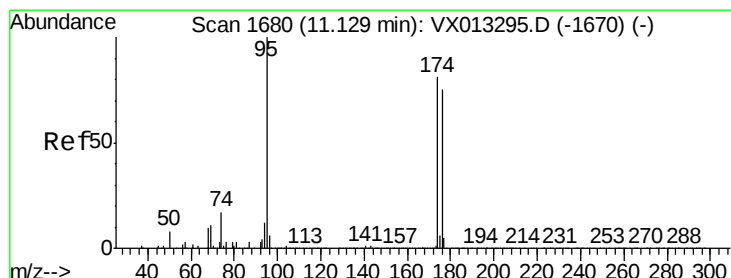
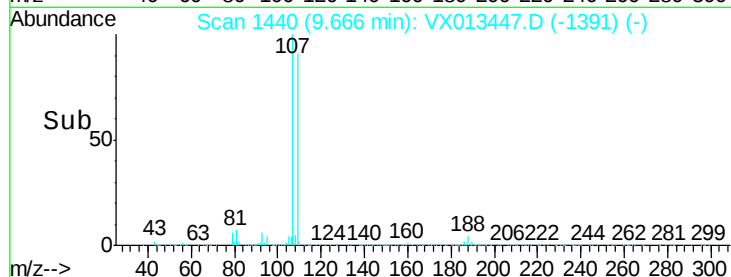
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.938 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

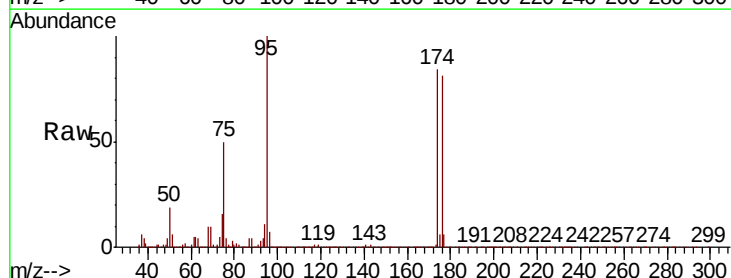
Tgt Ion: 95 Resp: 416122

Ion Ratio Lower Upper

95 100

174 88.5 0.0 179.8

176 87.6 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

400000

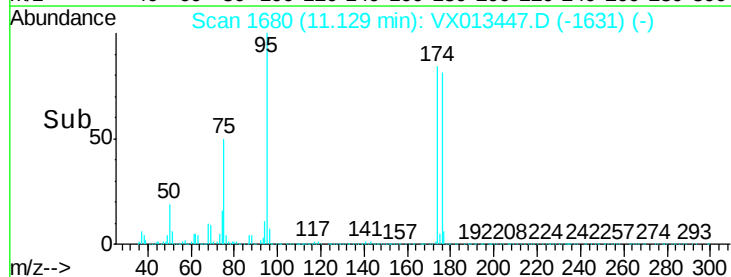
300000

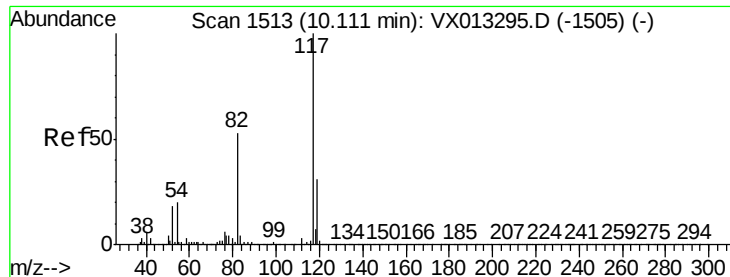
200000

100000

0

Time-->

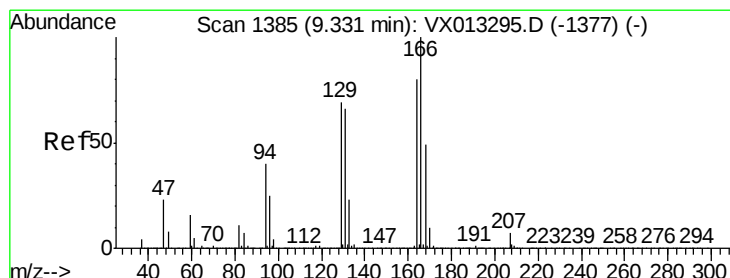
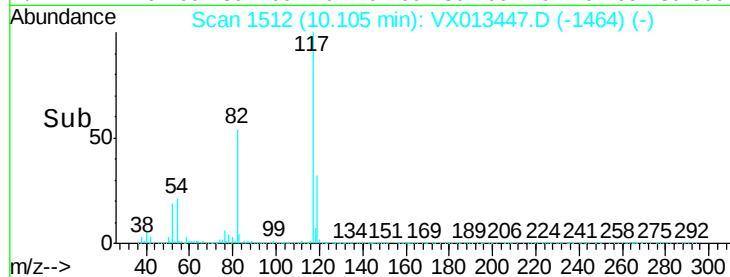
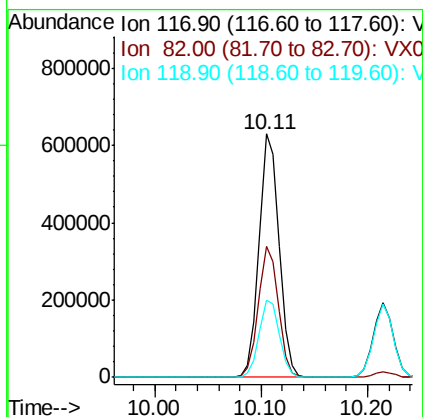
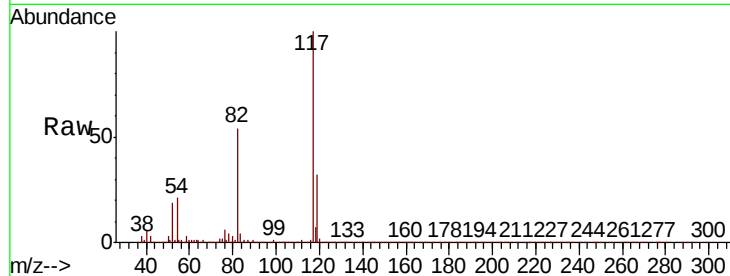




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013447.D
Acq: 15 Nov 2019 16:54

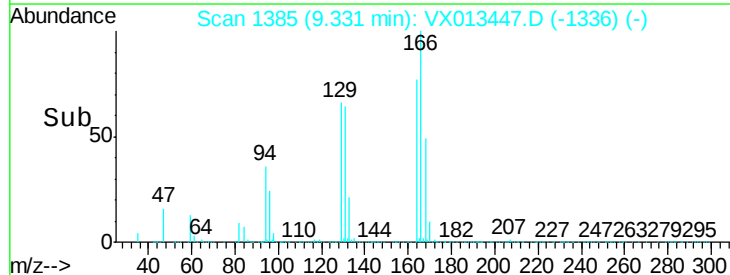
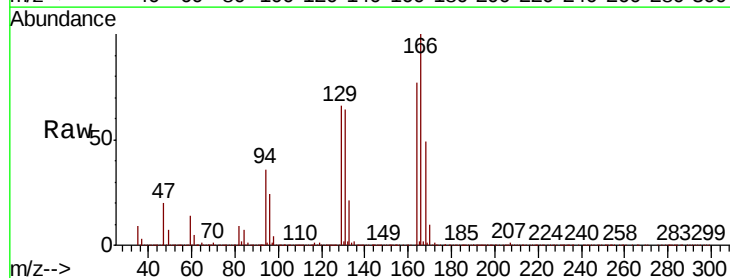
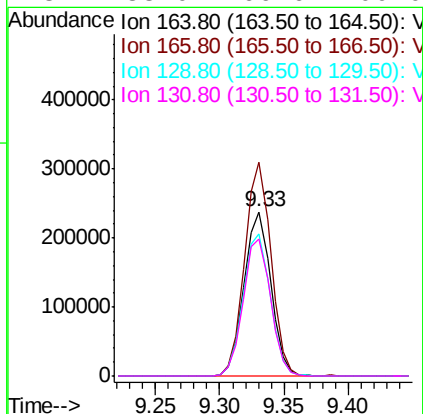
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

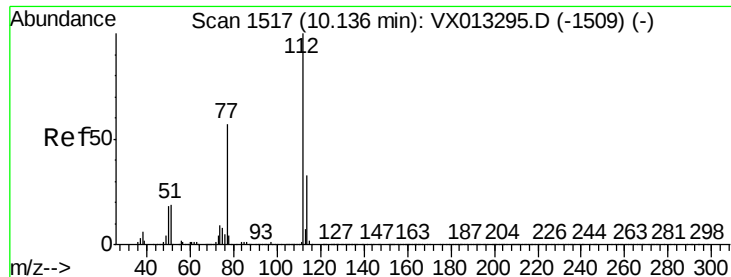
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	42.6	64.0
119	31.5	24.8	37.2



#64
Tetrachloroethene
Concen: 56.886 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013447.D
Acq: 15 Nov 2019 16:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.1	100.4	150.6
129	86.1	69.4	104.2
131	83.0	66.6	100.0





#65

Chlorobenzene

Concen: 58.305 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

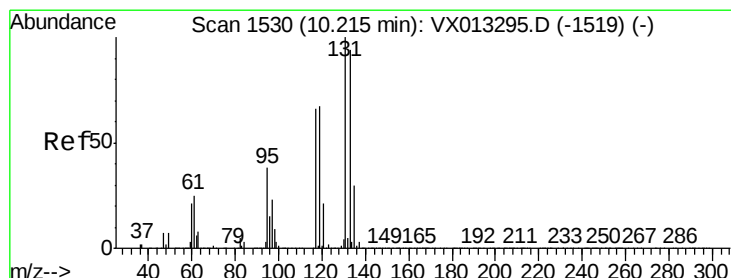
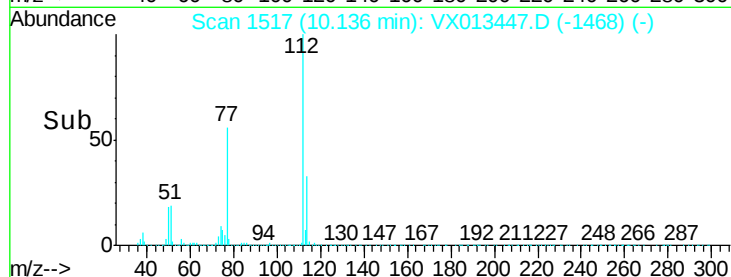
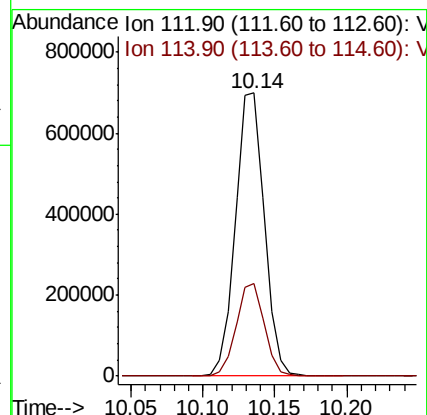
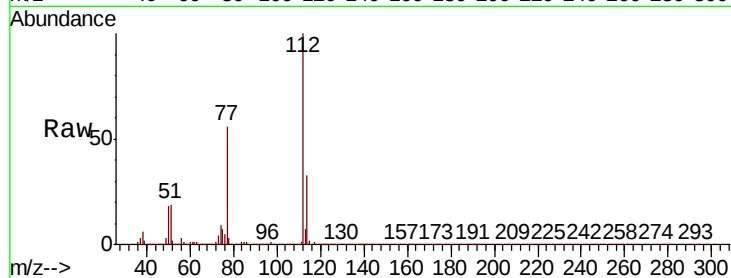
VSTDCCC050EC

Tot Ion:112 Resp: 986072

Ion Ratio Lower Upper

112 100

114 32.6 26.4 39.6



#66

1,1,1,2-Tetrachloroethane

Concen: 60.653 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

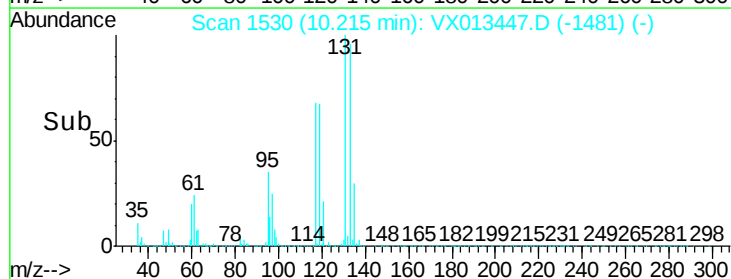
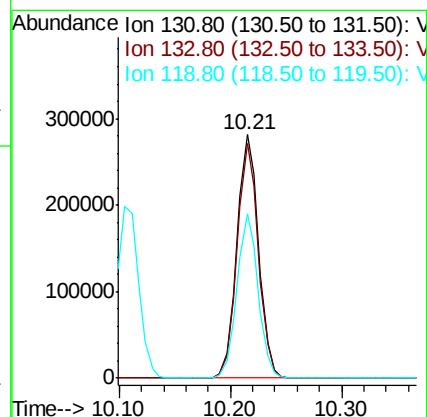
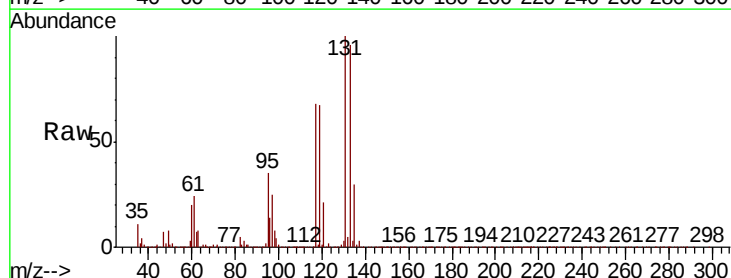
Tgt Ion:131 Resp: 376645

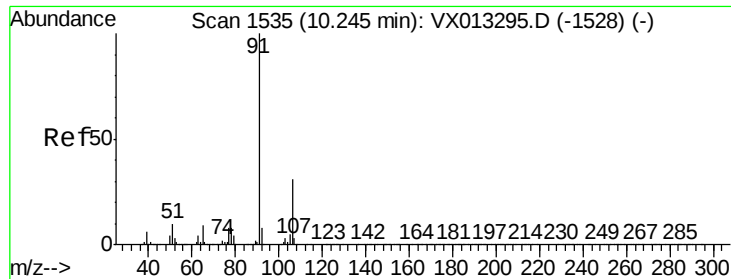
Ion Ratio Lower Upper

131 100

133 94.6 48.0 144.0

119 66.0 33.0 99.0





#67

Ethyl Benzene

Concen: 60.080 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

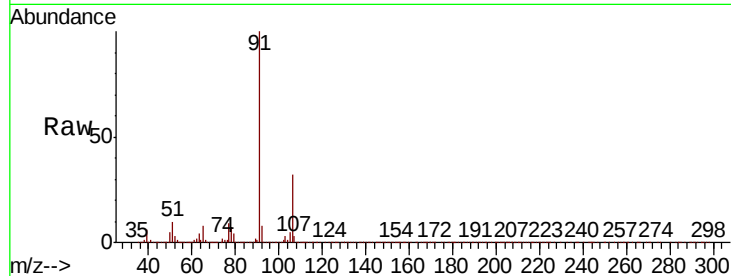
VSTDCCC050EC

Tot Ion: 91 Resp: 1753664

Ion Ratio Lower Upper

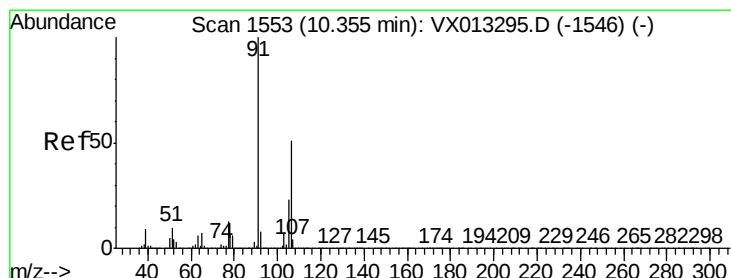
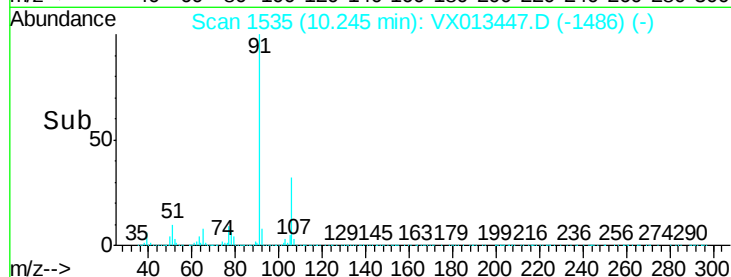
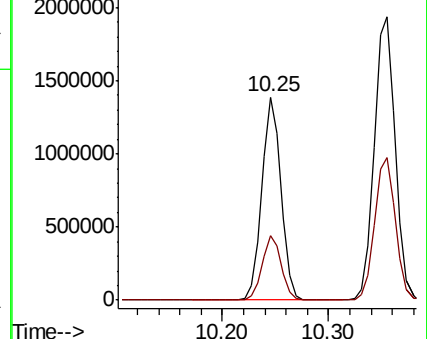
91 100

106 31.5 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 120.657 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX013447.D

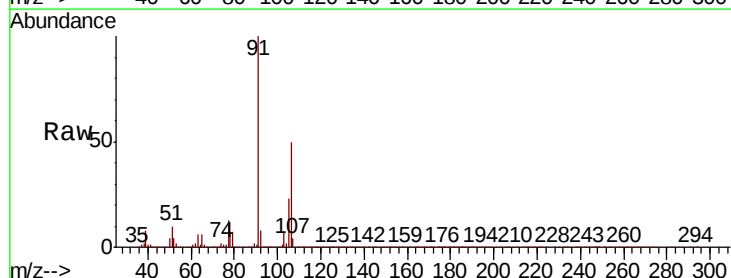
Acq: 15 Nov 2019 16:54

Tgt Ion: 106 Resp: 1331933

Ion Ratio Lower Upper

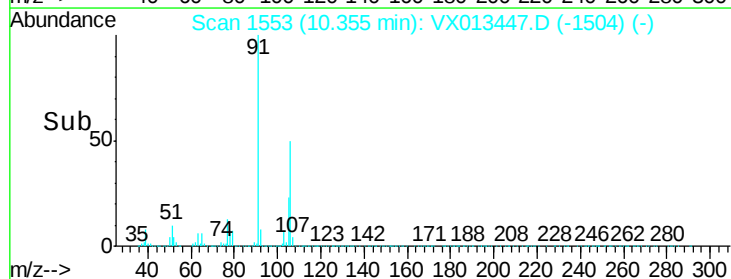
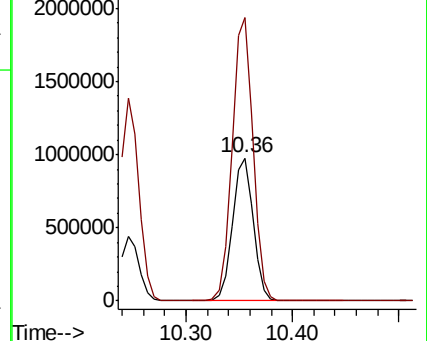
106 100

91 199.2 159.3 238.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

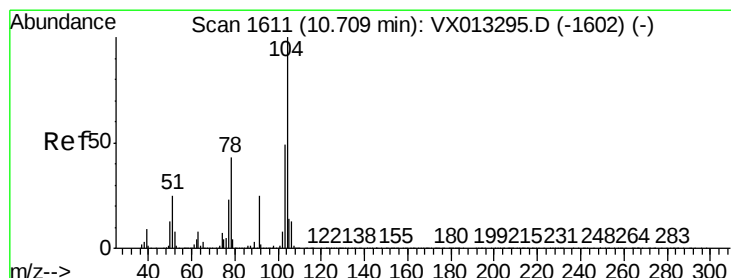
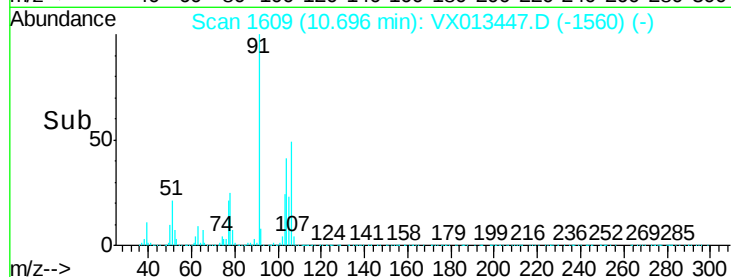
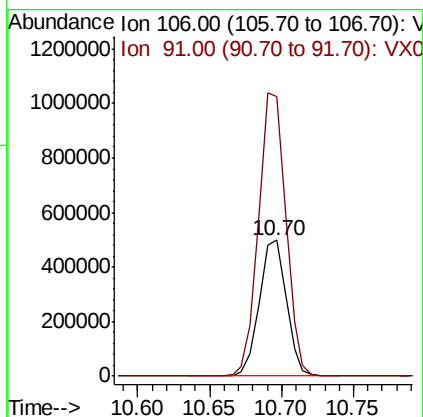
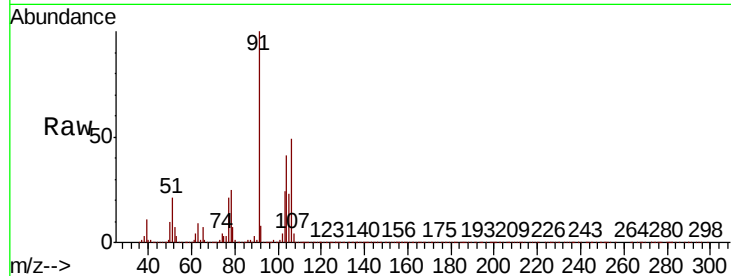




#69
o-Xylene
Concen: 59.933 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013447.D
Acq: 15 Nov 2019 16:54

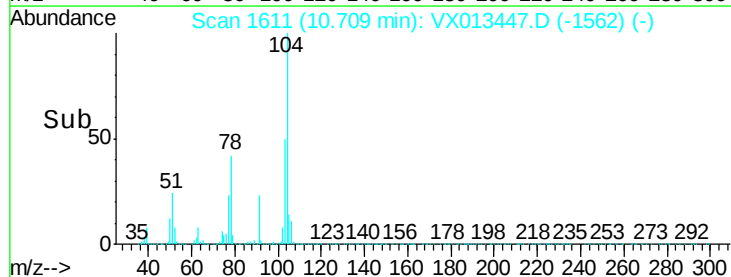
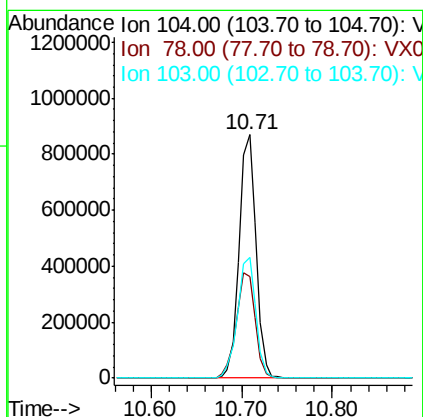
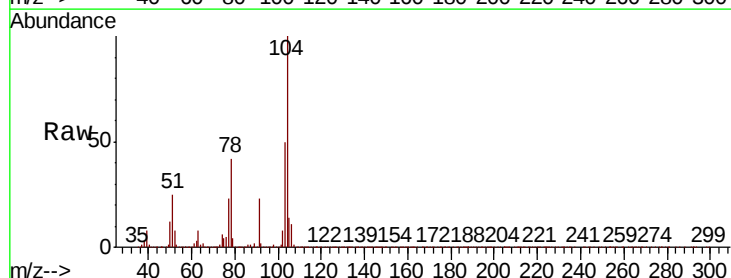
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

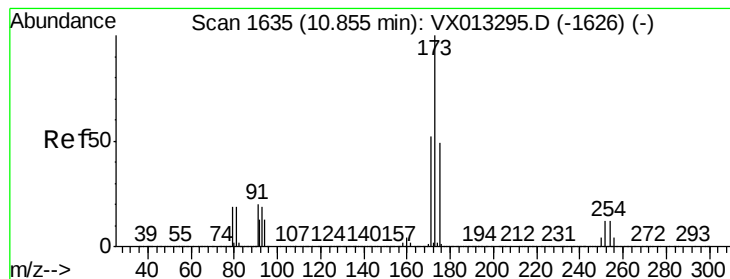
Tot Ion:106 Resp: 647728
Ion Ratio Lower Upper
106 100
91 210.1 105.7 317.0



#70
Styrene
Concen: 62.132 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013447.D
Acq: 15 Nov 2019 16:54

Tgt Ion:104 Resp: 1122486
Ion Ratio Lower Upper
104 100
78 48.4 40.0 60.0
103 54.0 44.1 66.1





#71

Bromoform

Concen: 55.857 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

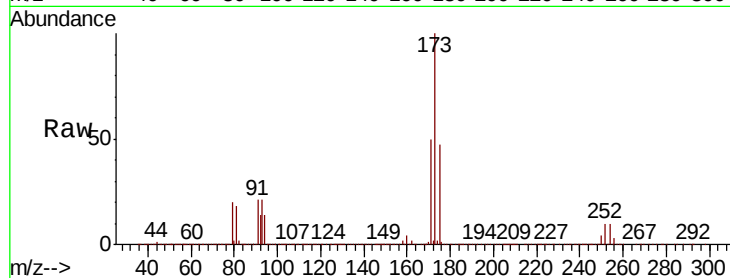
Tot Ion:173 Resp: 323919

Ion Ratio Lower Upper

173 100

175 47.6 24.8 74.4

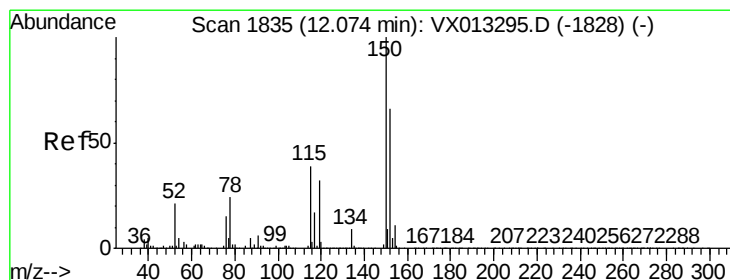
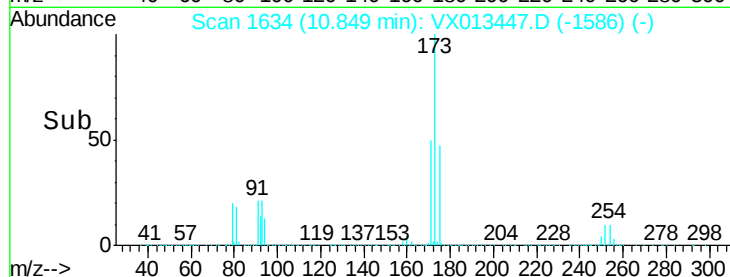
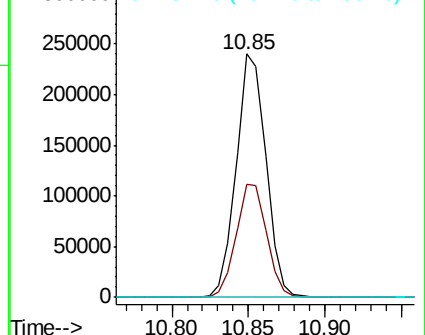
254 0.2 0.2 0.2



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

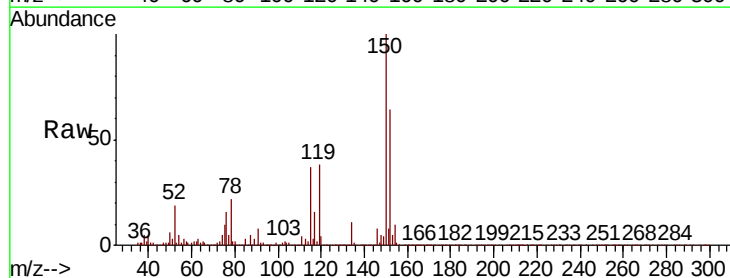
Tgt Ion:152 Resp: 429032

Ion Ratio Lower Upper

152 100

115 81.5 39.5 118.3

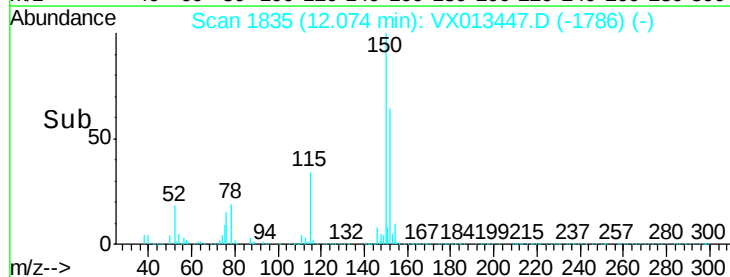
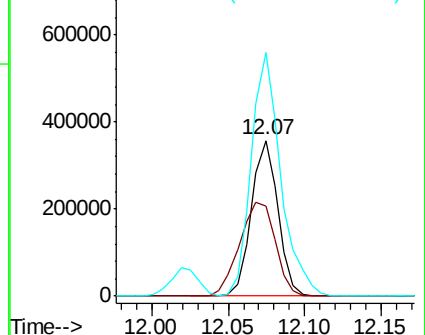
150 174.8 0.0 344.4

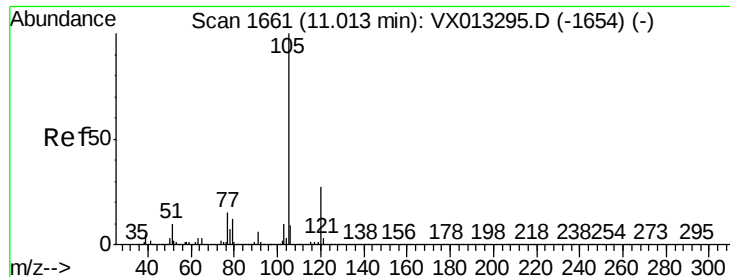


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 61.156 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

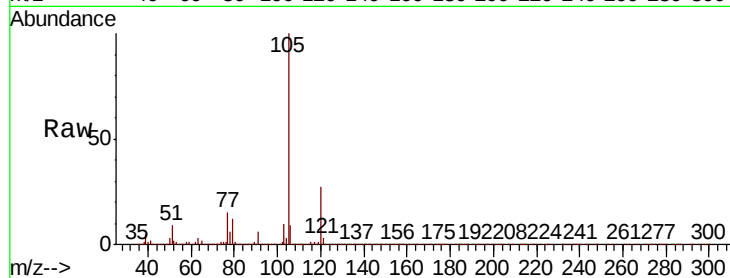
VSTDCCC050EC

Tot Ion:105 Resp: 1739607

Ion Ratio Lower Upper

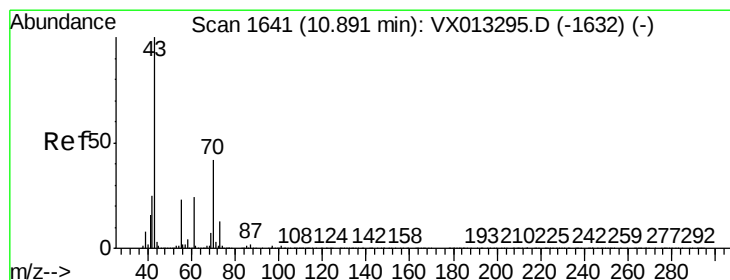
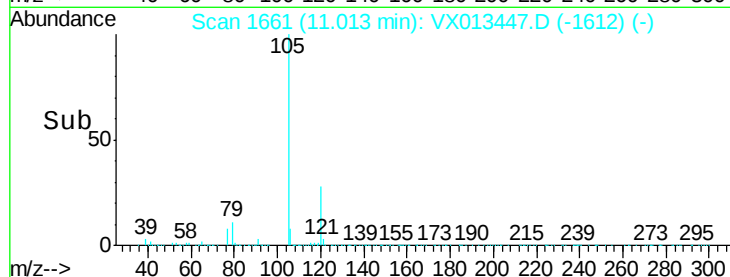
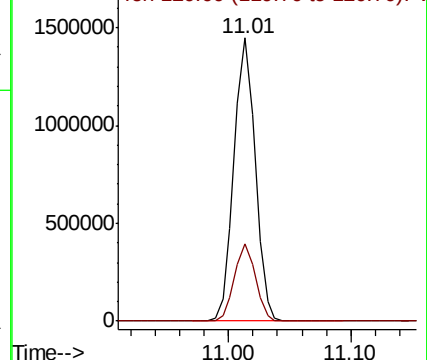
105 100

120 27.1 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 62.169 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

Tgt Ion: 43 Resp: 820066

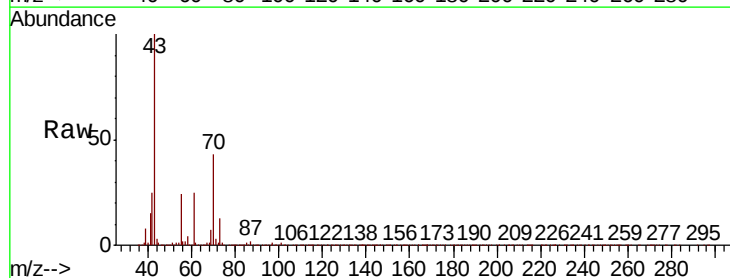
Ion Ratio Lower Upper

43 100

70 43.7 34.1 51.1

55 24.0 18.9 28.3

61 24.9 19.2 28.8

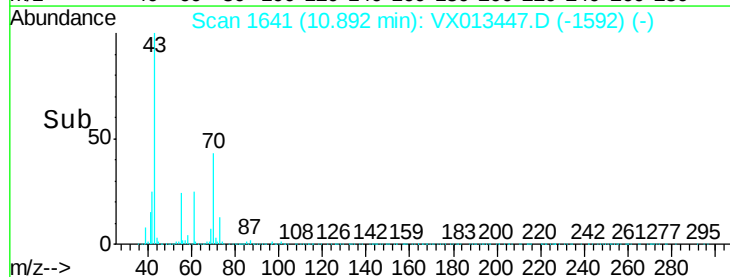
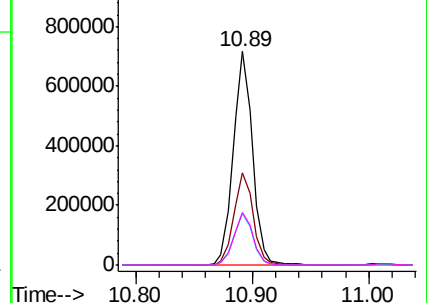


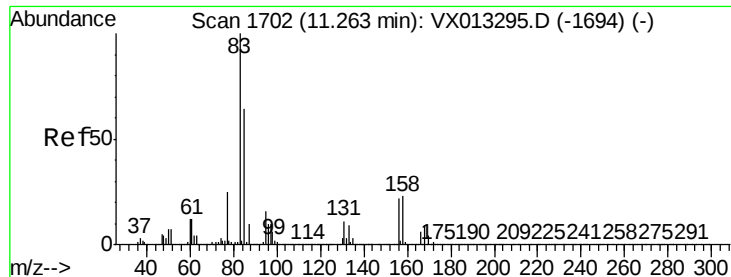
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 59.253 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

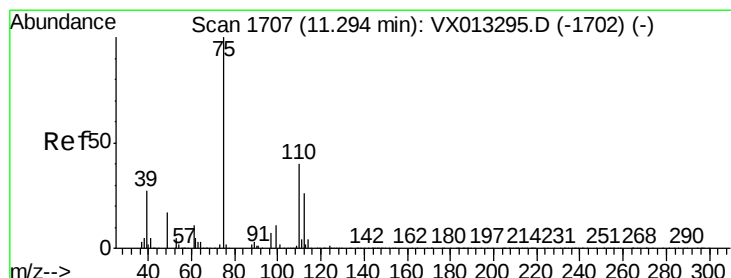
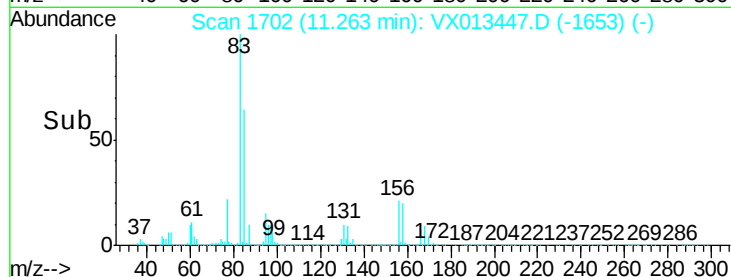
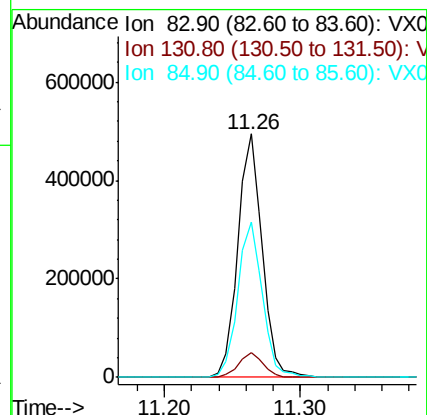
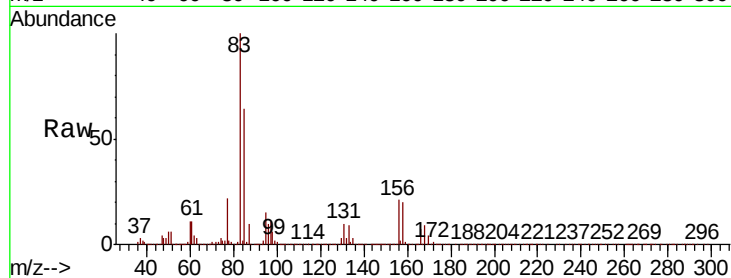
Tot Ion: 83 Resp: 614891

Ion Ratio Lower Upper

83 100

131 10.4 5.1 15.3

85 64.7 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 81.650 ug/l

RT: 11.29 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX013447.D

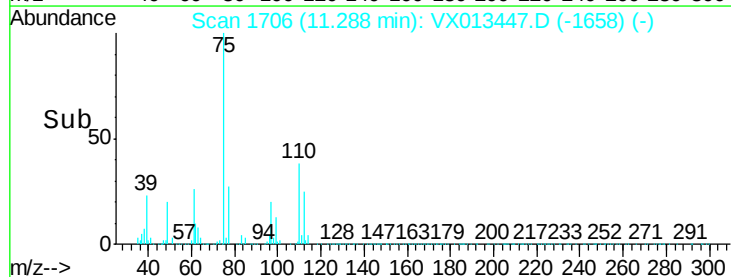
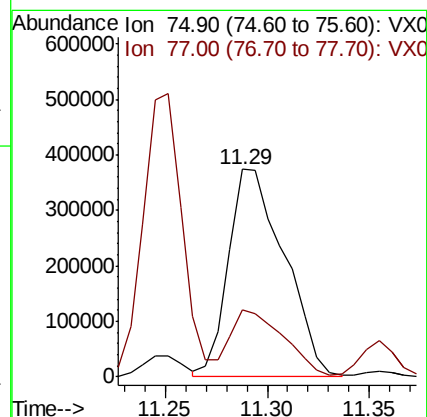
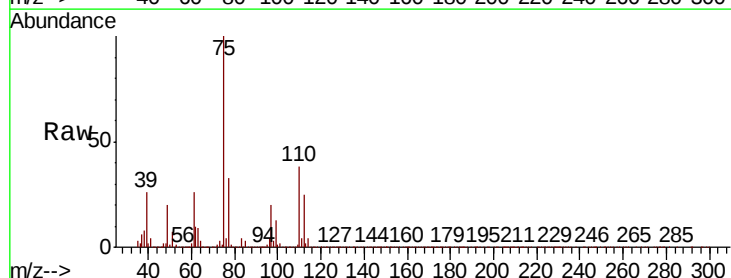
Acq: 15 Nov 2019 16:54

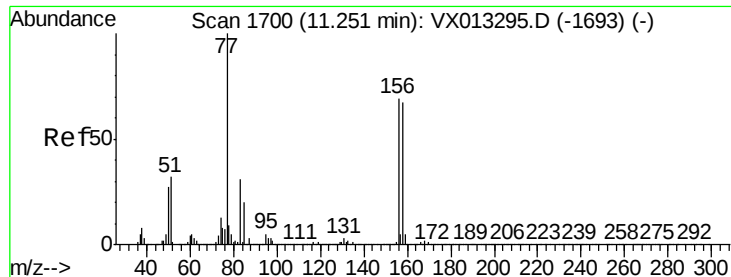
Tgt Ion: 75 Resp: 711517

Ion Ratio Lower Upper

75 100

77 30.4 22.3 66.8





#77

Bromobenzene

Concen: 59.228 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

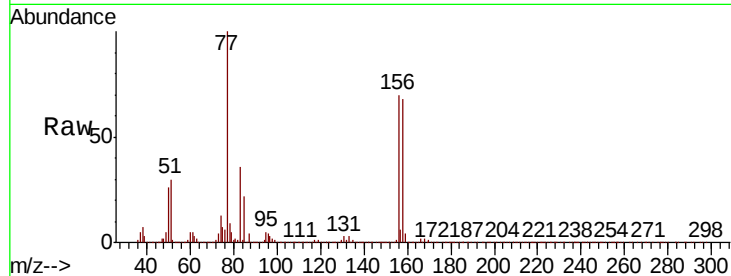
Tot Ion:156 Resp: 449136

Ion Ratio Lower Upper

156 100

77 149.8 75.8 227.4

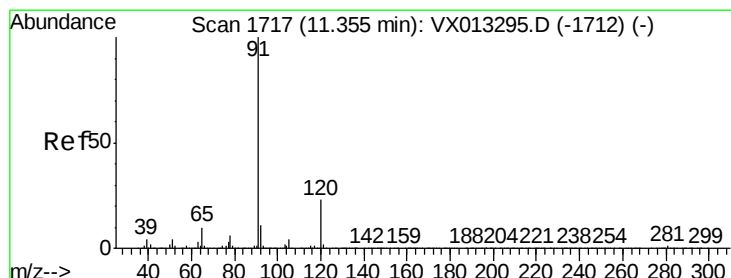
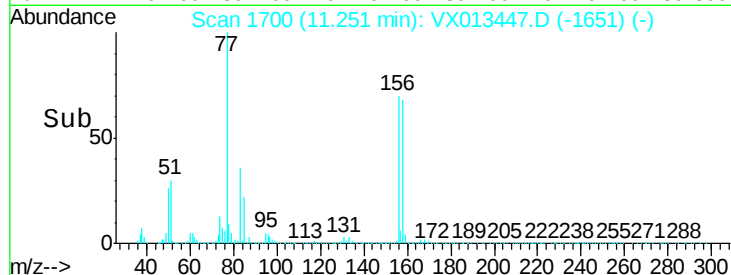
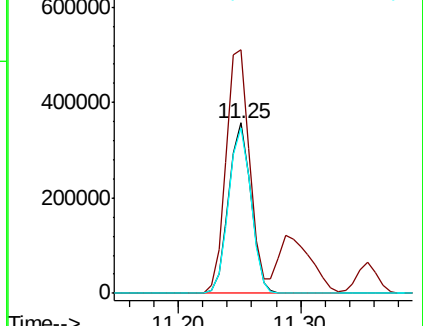
158 97.8 47.6 142.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 62.559 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013447.D

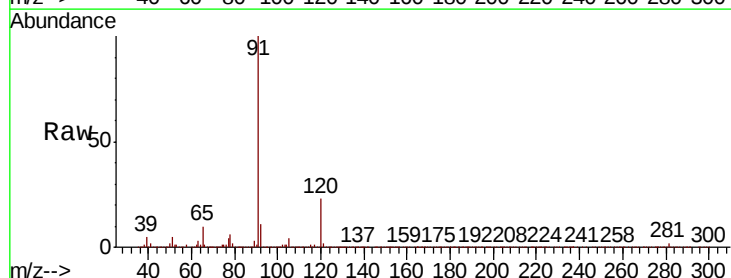
Acq: 15 Nov 2019 16:54

Tgt Ion: 91 Resp: 1982273

Ion Ratio Lower Upper

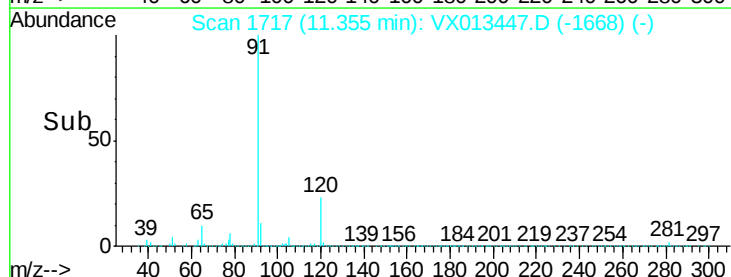
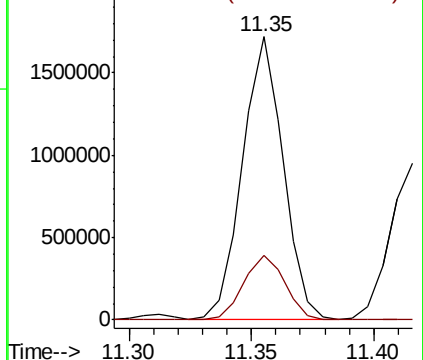
91 100

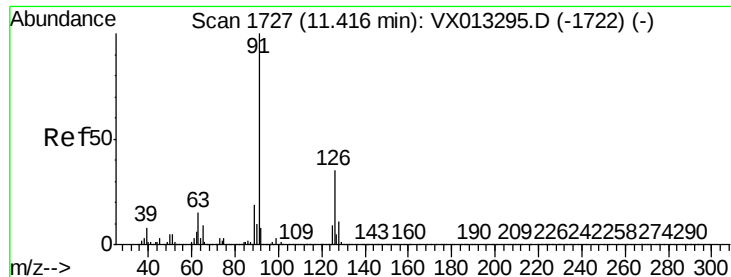
120 23.5 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

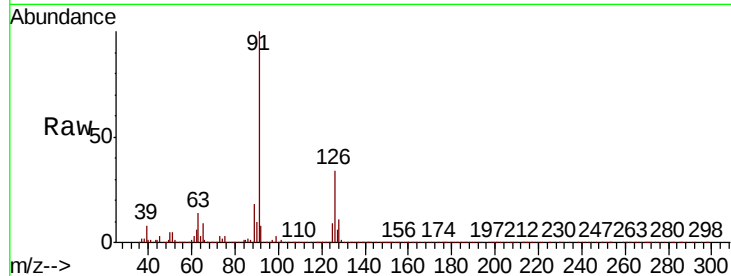




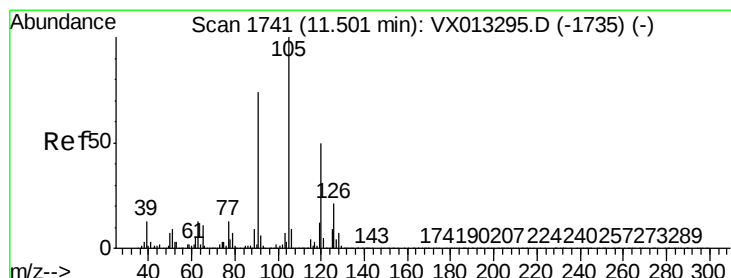
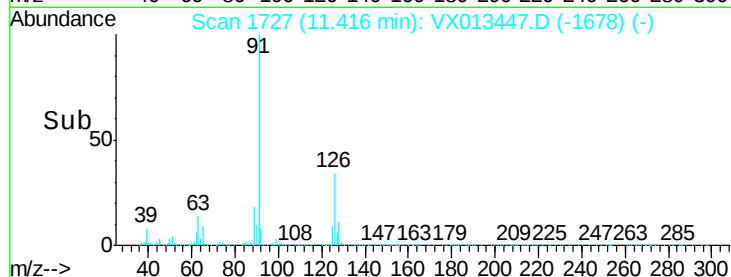
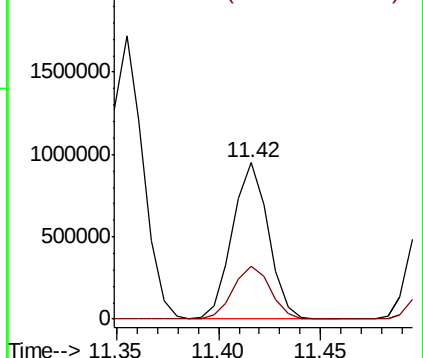
#79
2-Chlorotoluene
Concen: 60.500 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VX013447.D
Acq: 15 Nov 2019 16:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1155006
Ion Ratio Lower Upper
91 100
126 35.0 17.3 52.0

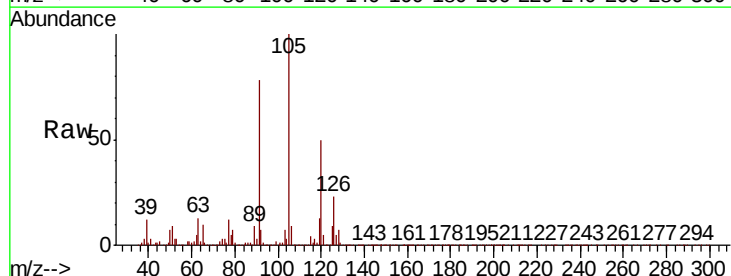


Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V

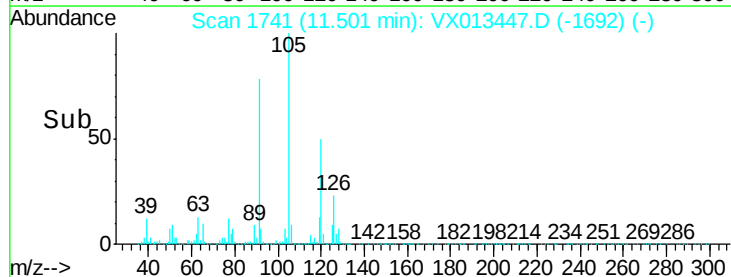
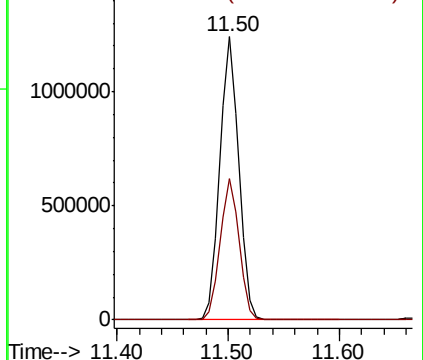


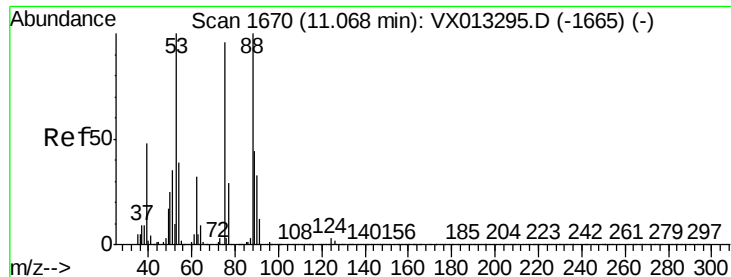
#80
1,3,5-Trimethylbenzene
Concen: 61.643 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX013447.D
Acq: 15 Nov 2019 16:54

Tgt Ion: 105 Resp: 1460552
Ion Ratio Lower Upper
105 100
120 49.8 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 63.174 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

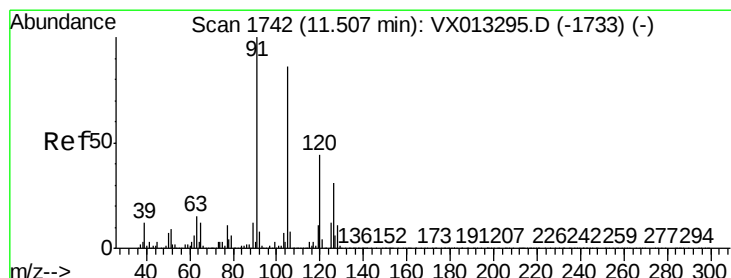
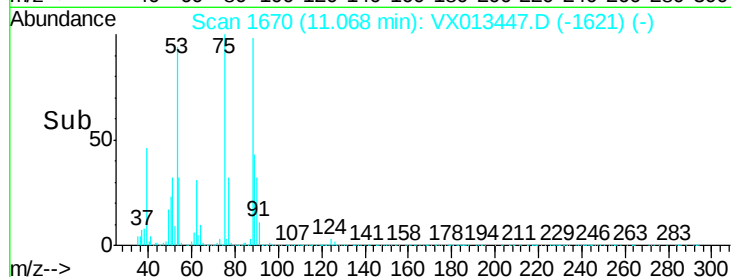
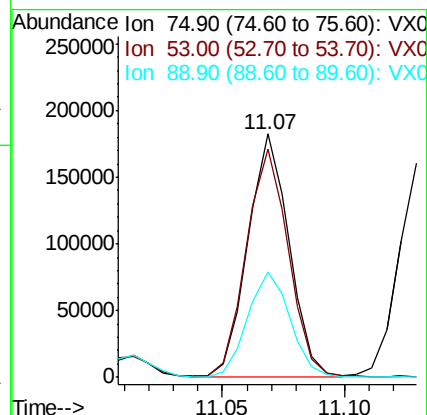
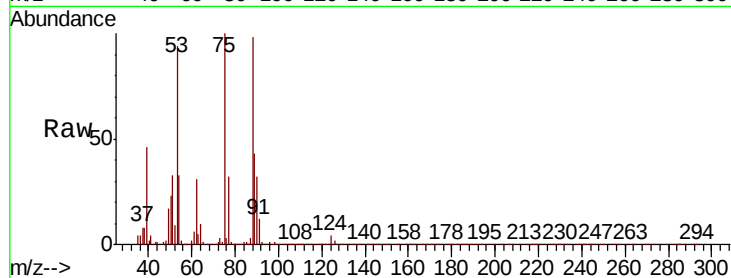
Tot Ion: 75 Resp: 213876

Ion Ratio Lower Upper

75 100

53 95.3 81.0 121.6

89 44.9 36.0 54.0



#82

4-Chlorotoluene

Concen: 60.219 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX013447.D

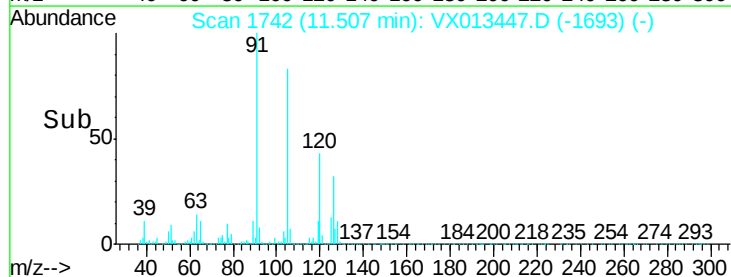
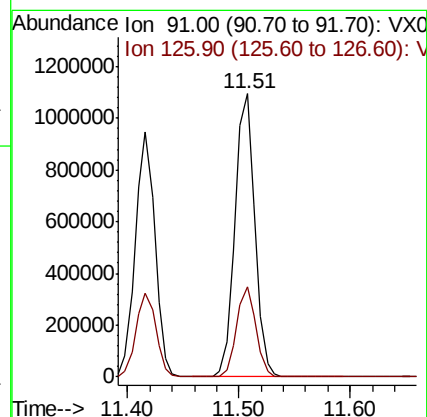
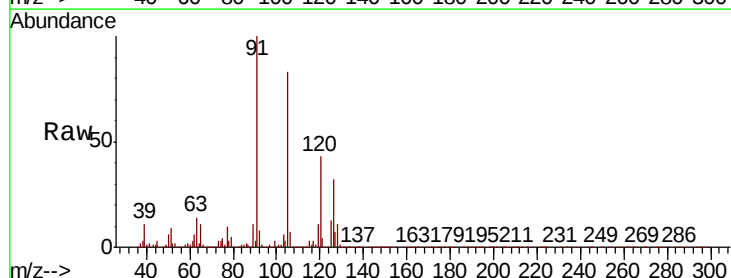
Acq: 15 Nov 2019 16:54

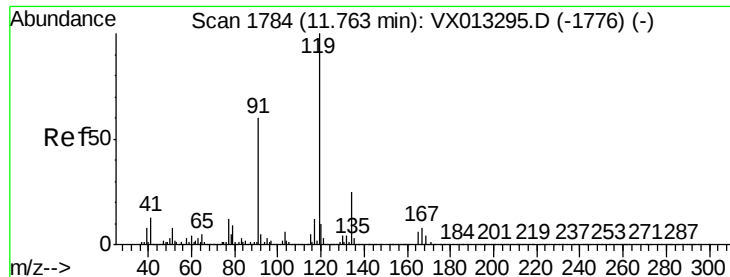
Tgt Ion: 91 Resp: 1345770

Ion Ratio Lower Upper

91 100

126 30.9 15.3 45.8

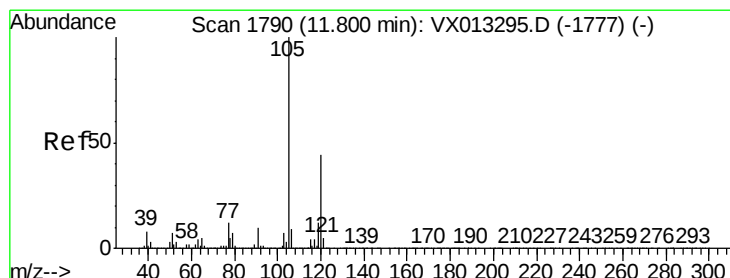
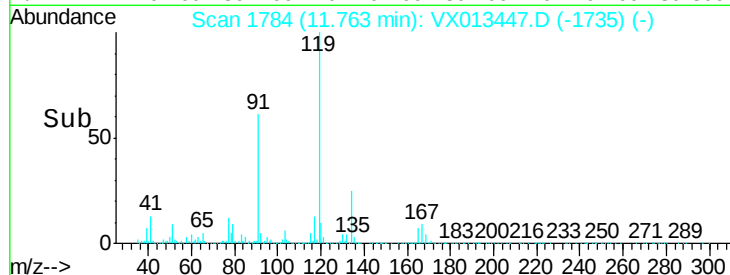
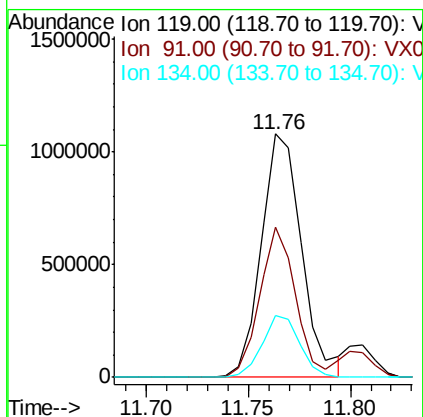
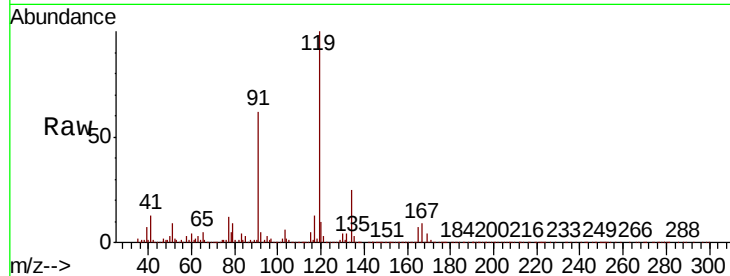




#83
tert-Butylbenzene
Concen: 62.372 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX013447.D
Acq: 15 Nov 2019 16:54

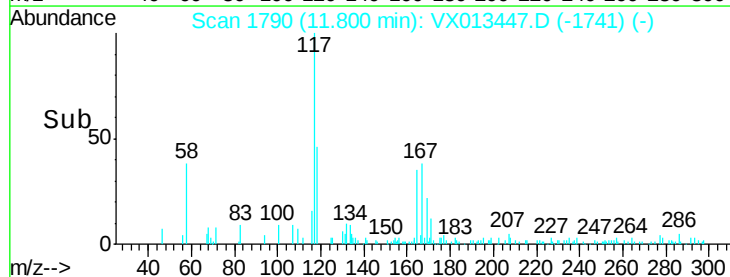
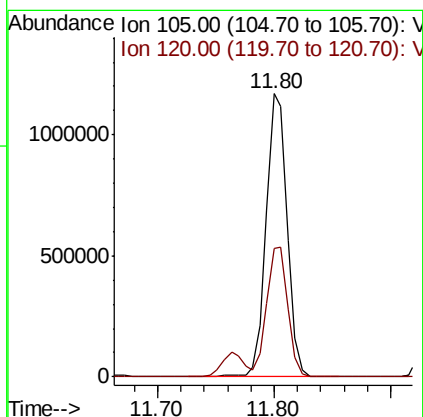
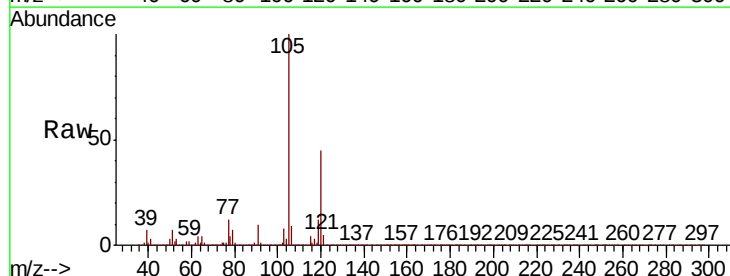
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

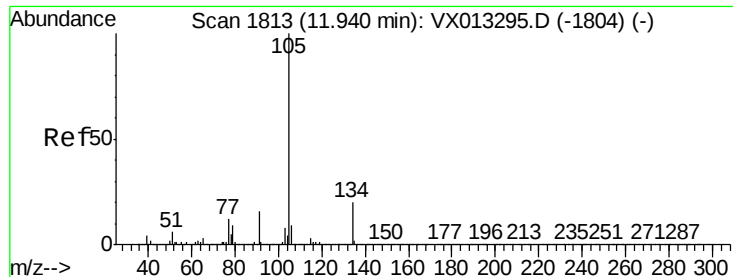
Tot Ion:119 Resp: 1487629
Ion Ratio Lower Upper
119 100
91 54.3 26.9 80.7
134 23.7 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 61.737 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VX013447.D
Acq: 15 Nov 2019 16:54

Tgt Ion:105 Resp: 1467361
Ion Ratio Lower Upper
105 100
120 46.1 22.7 68.1





#85

sec-Butylbenzene

Concen: 62.625 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

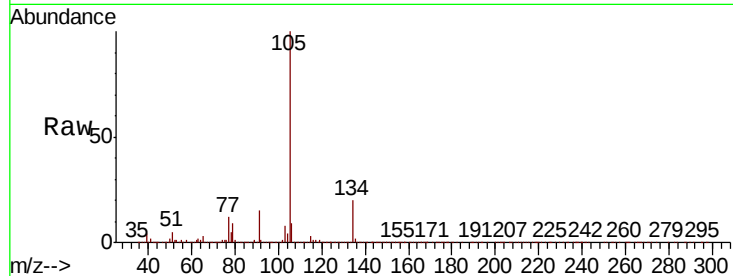
VSTDCCC050EC

Tot Ion:105 Resp: 1716677

Ion Ratio Lower Upper

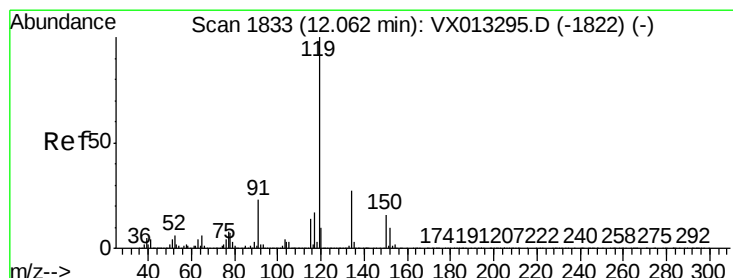
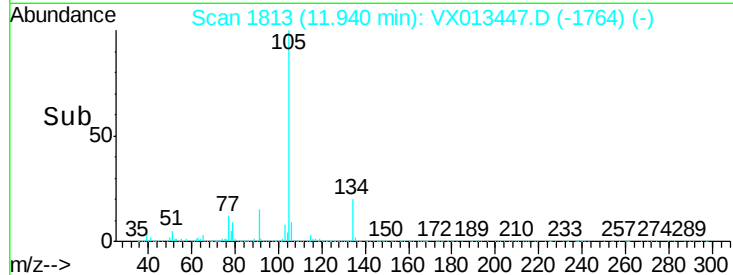
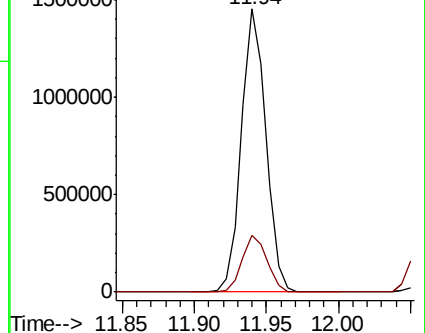
105 100

134 20.4 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 63.094 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

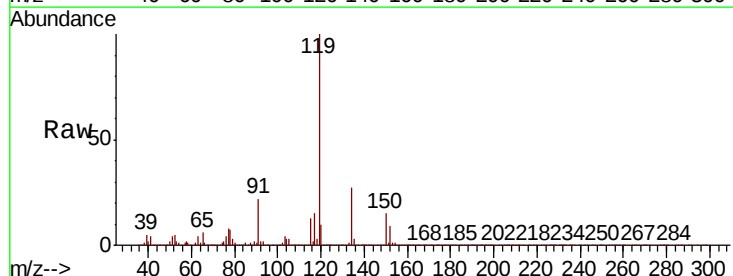
Tgt Ion:119 Resp: 1592578

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.8

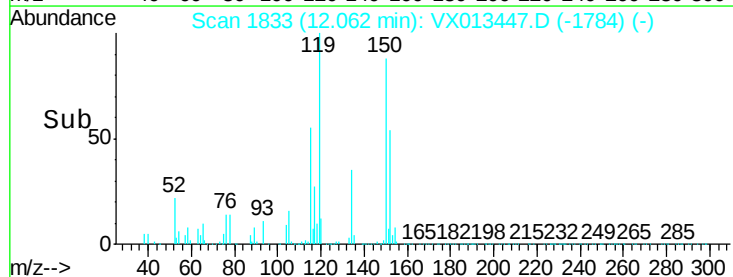
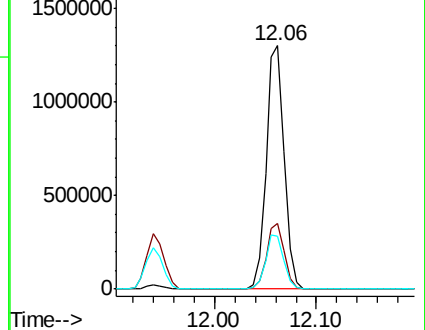
91 22.5 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 59.662 ug/l

RT: 12.02 min Scan# 1826

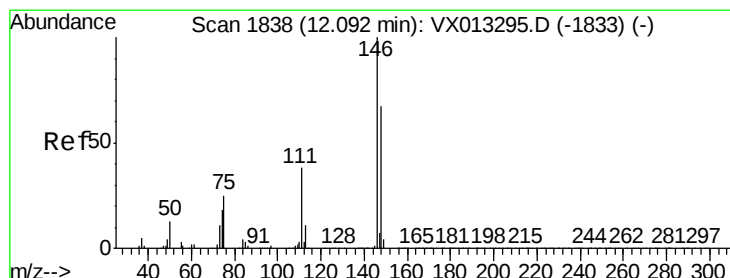
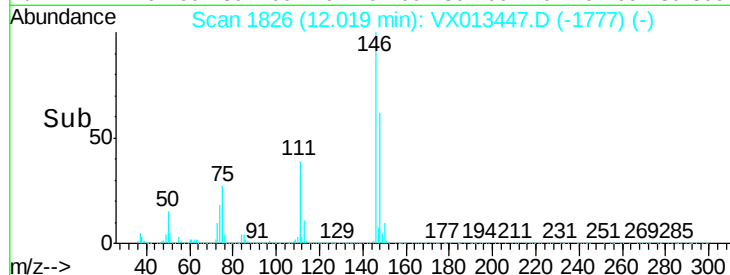
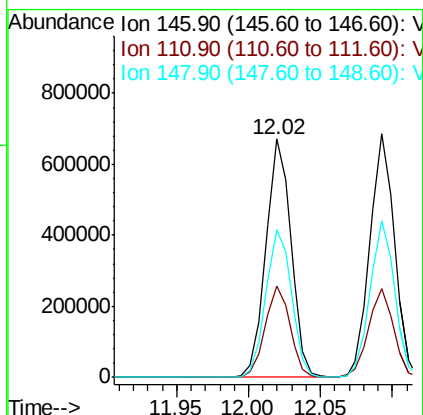
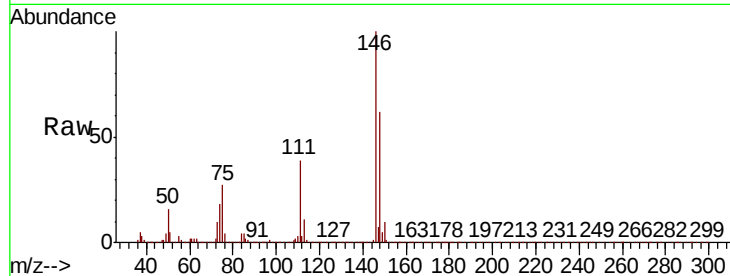
Delta R.T. 0.00 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.9	56.5
148	63.7	31.9	95.7



#88

1,4-Dichlorobenzene

Concen: 58.454 ug/l

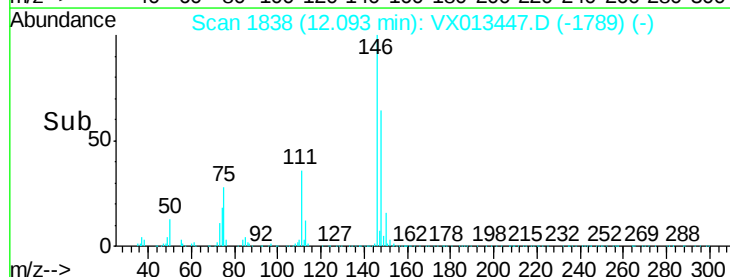
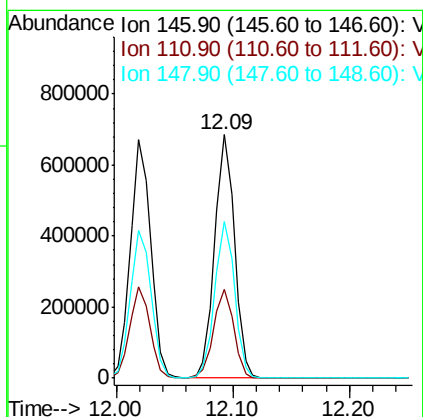
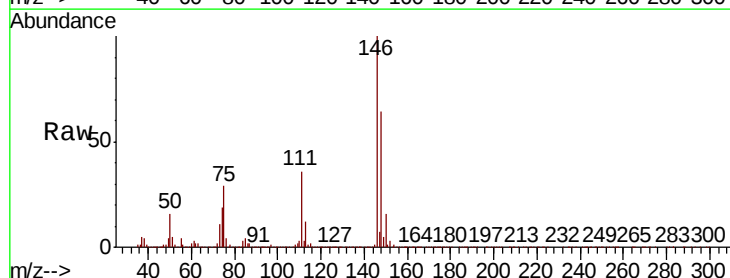
RT: 12.09 min Scan# 1838

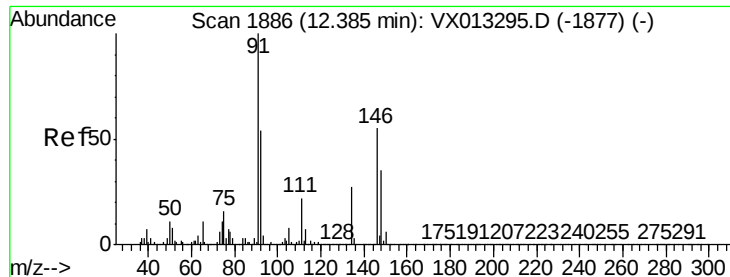
Delta R.T. 0.00 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.8	56.4
148	64.1	32.4	97.0





#89

n-Butylbenzene

Concen: 63.590 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

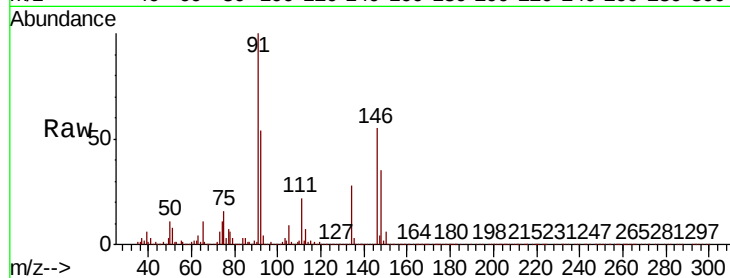
Tot Ion: 91 Resp: 1400569

Ion Ratio Lower Upper

91 100

92 54.0 27.3 81.8

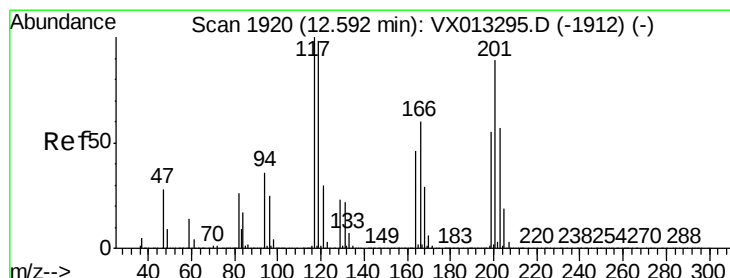
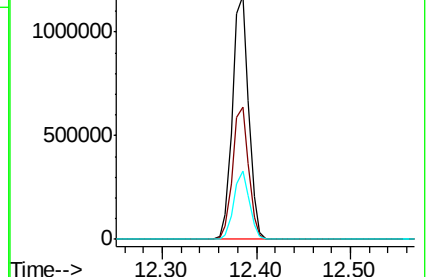
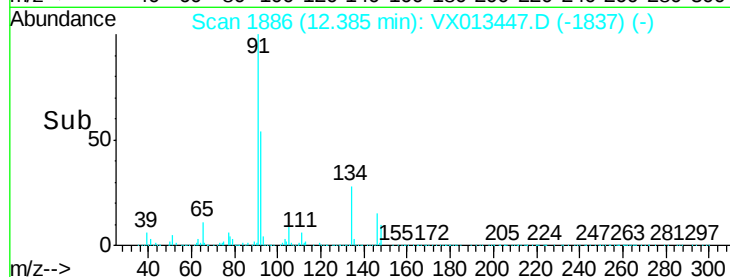
134 27.1 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 64.229 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX013447.D

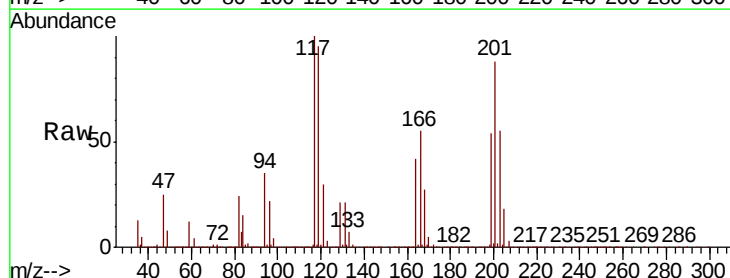
Acq: 15 Nov 2019 16:54

Tgt Ion: 117 Resp: 288858

Ion Ratio Lower Upper

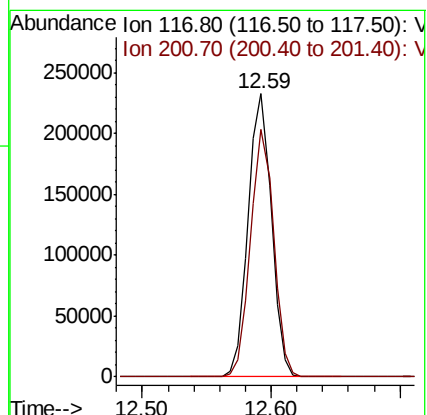
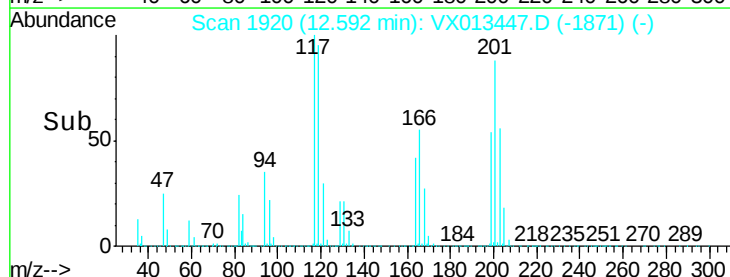
117 100

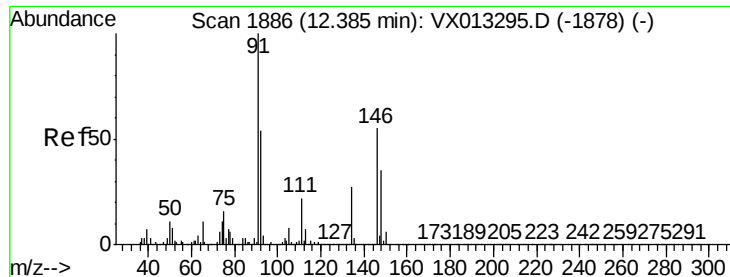
201 86.8 43.9 131.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 59.607 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

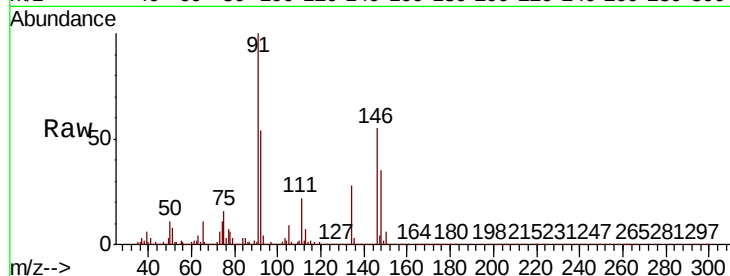
Tot Ion:146 Resp: 805398

Ion Ratio Lower Upper

146 100

111 39.4 20.1 60.2

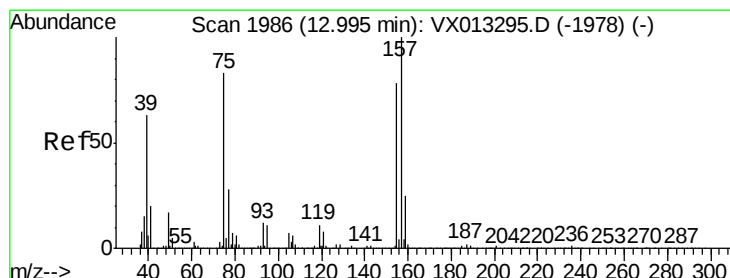
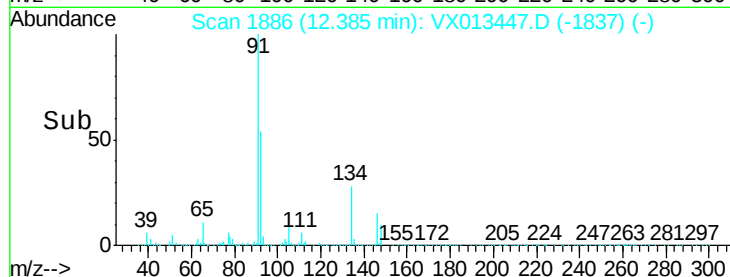
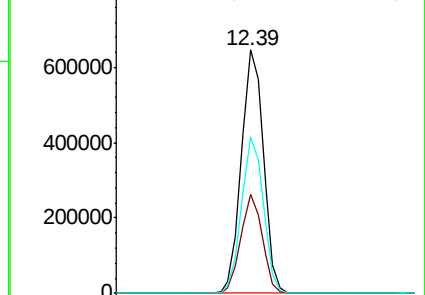
148 63.6 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.773 ug/l

RT: 12.99 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX013447.D

Acq: 15 Nov 2019 16:54

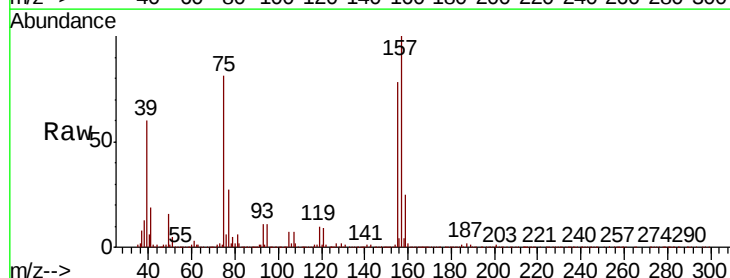
Tgt Ion: 75 Resp: 135952

Ion Ratio Lower Upper

75 100

155 94.8 47.1 141.4

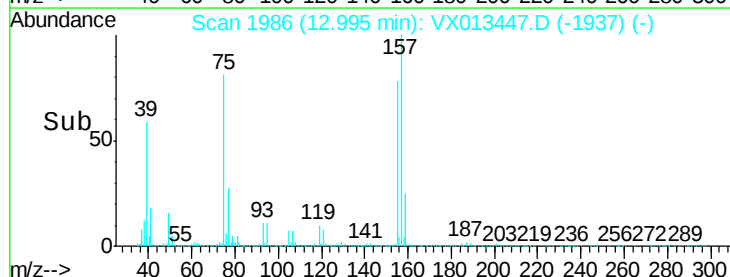
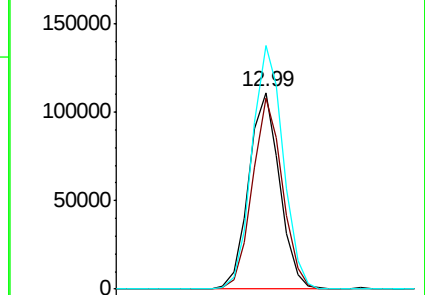
157 124.4 61.3 183.8

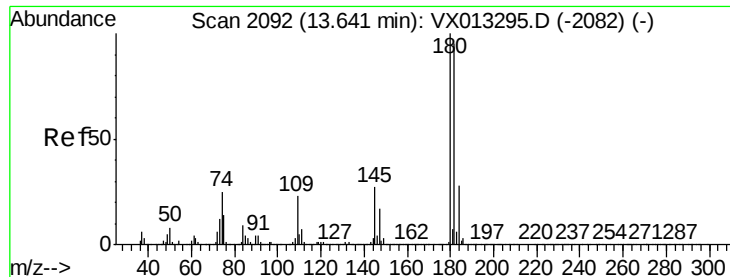


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

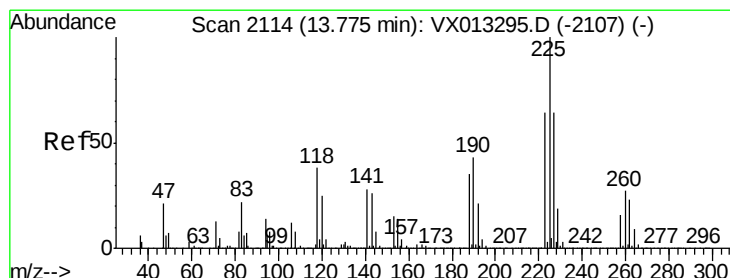
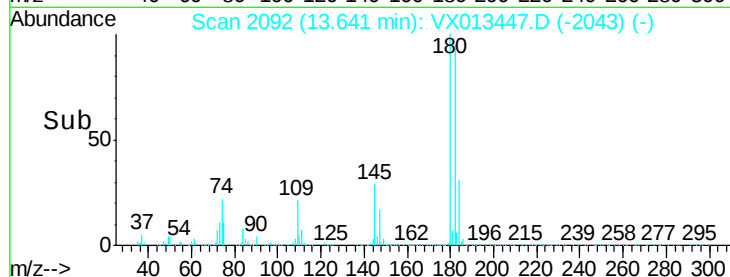
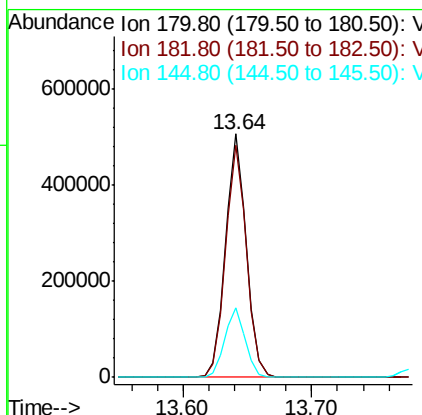
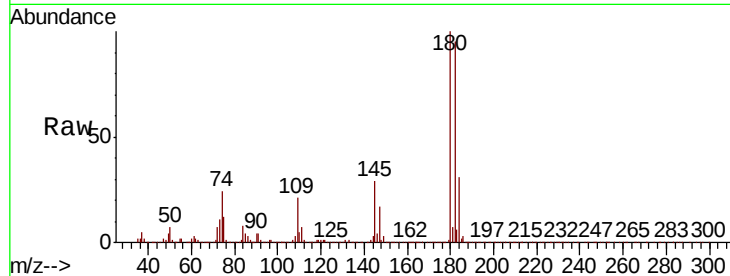




#93
 1,2,4-Trichlorobenzene
 Concen: 61.047 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX013447.D
 Acq: 15 Nov 2019 16:54

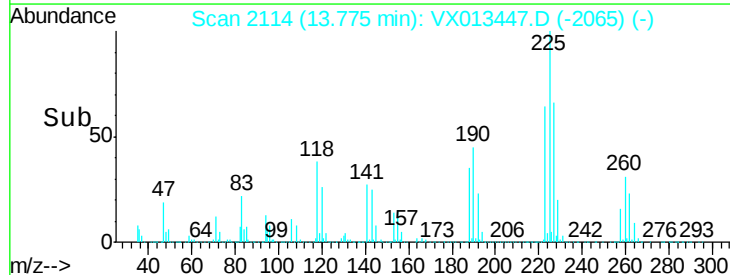
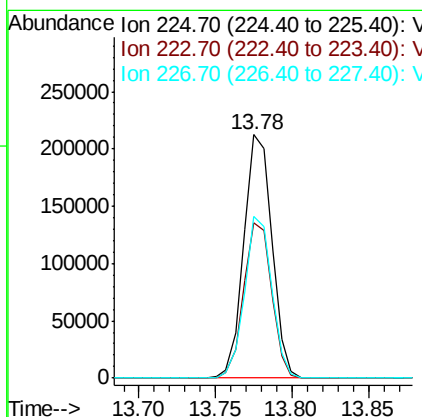
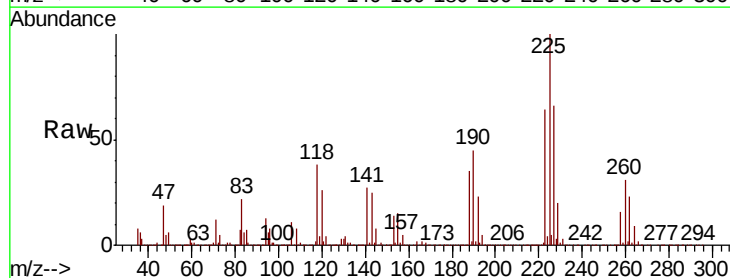
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

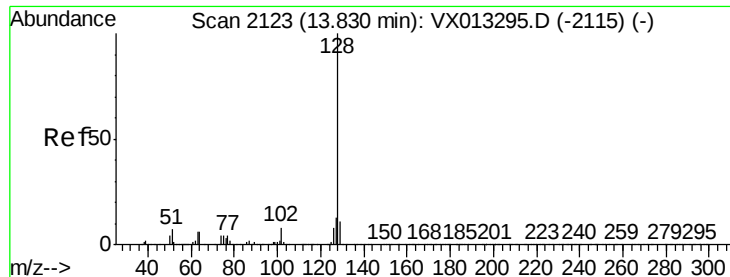
Tot Ion:180 Resp: 575370
 Ion Ratio Lower Upper
 180 100
 182 96.0 48.4 145.0
 145 28.4 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 58.897 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX013447.D
 Acq: 15 Nov 2019 16:54

Tgt Ion:225 Resp: 271579
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.9 95.7
 227 64.0 31.9 95.9

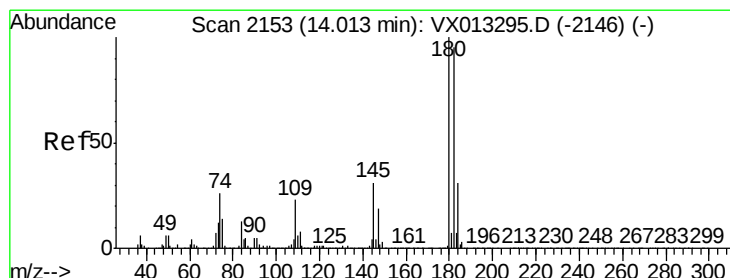
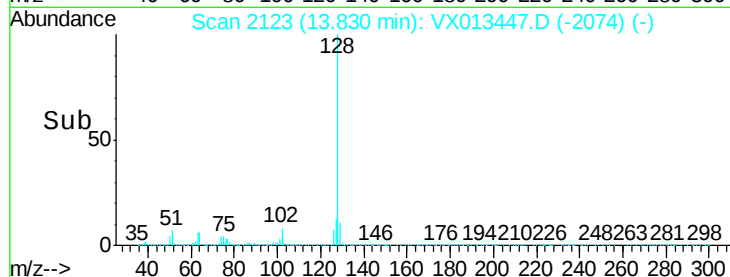
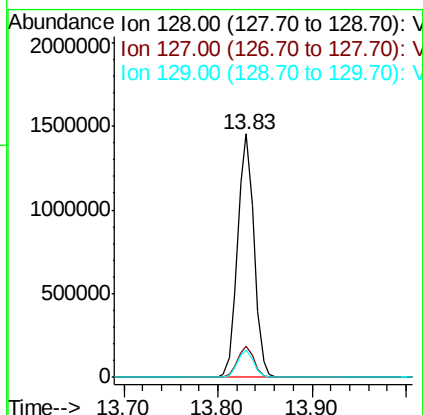
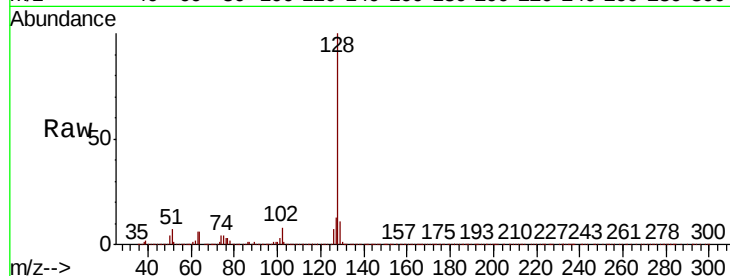




#95
Naphthalene
Concen: 59.391 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013447.D
Acq: 15 Nov 2019 16:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 1756242
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 10.9 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 59.904 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX013447.D
Acq: 15 Nov 2019 16:54

Tgt Ion:180 Resp: 566218
Ion Ratio Lower Upper
180 100
182 96.7 48.0 144.2
145 29.9 15.4 46.4

