

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121219\
 Data File : VX013995.D
 Acq On : 13 Dec 2019 00:30
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Dec 13 01:22:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X121219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 13 01:15:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	85417	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	496826	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	458389	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	184297	29.16	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.20%
60) 4-Bromofluorobenzene	11.14	95	228450	30.90	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.00%
63) Toluene-d8	8.71	98	600331	28.94	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.47%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	631092	105.113	ug/l 99
3) Chloromethane	1.31	50	913684	133.126	ug/l 97
4) Vinyl Chloride	1.40	62	936357	122.745	ug/l 100
5) Bromomethane	1.62	94	670759	138.978	ug/l 98
6) Chloroethane	1.70	64	576640	134.574	ug/l 97
7) Trichlorofluoromethane	1.91	101	1186448	140.016	ug/l 100
8) Diethyl Ether	2.18	74	555343	143.292	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	697456	137.612	ug/l 99
10) 1,1-Dichloroethene	2.36	96	739782	141.571	ug/l 95
11) Methyl Iodide	2.50	142	1068505	164.190	ug/l 99
12) Methyl Acetate	2.76	43	1114328	123.988	ug/l 100
13) Acrolein	2.28	56	741444	749.420	ug/l 99
14) Acrylonitrile	3.14	53	2219418	666.120	ug/l 99
15) Acetone	2.44	58	584769	599.847	ug/l 88
16) Carbon Disulfide	2.56	76	2104224	145.327	ug/l 98
17) Allyl chloride	2.72	41	1362371	142.050	ug/l 99
18) Methylene Chloride	2.84	84	850945	140.786	ug/l 97
19) trans-1,2-Dichloroethene	3.15	96	809616	144.156	ug/l 99
20) Diisopropyl ether	3.85	45	2714300	144.882	ug/l 90
21) 1,1-Dichloroethane	3.69	63	1473789	144.844	ug/l 99
22) cis-1,2-Dichloroethene	4.58	96	942723	146.569	ug/l 99
23) tert-Butyl Alcohol	3.06	59	881324	560.510	ug/l 100
24) Methyl tert-Butyl Ether	3.19	73	2504290	143.965	ug/l 100
25) Chloroform	5.20	83	1409275	141.957	ug/l 100
26) Cyclohexane	5.57	56	1327303	143.546	ug/l # 98
29) 1,1-Dichloropropene	5.79	75	1102461	145.698	ug/l 100
30) 2-Butanone	4.67	43	3069015	636.130	ug/l 99
31) 2,2-Dichloropropane	4.57	77	1026039	129.355	ug/l 98
32) 1,1,1-Trichloroethane	5.48	97	1221962	146.327	ug/l 99
33) Carbon Tetrachloride	5.78	117	1054844	146.153	ug/l 99
34) Benzene	6.14	78	3369938	146.513	ug/l 98
35) Methacrylonitrile	5.03	41	698537	141.420	ug/l 96
36) 1,2-Dichloroethane	6.18	62	1138460	142.360	ug/l 99
37) Trichloroethene	7.21	130	910574	147.188	ug/l 97
38) Methylcyclohexane	7.46	83	1320752	143.546	ug/l 99
39) 1,2-Dichloropropane	7.51	63	872800	146.466	ug/l 92
40) Dibromomethane	7.65	93	566358	144.041	ug/l 100

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	1148884	150.836	ug/l	99
42) Vinyl Acetate	3.81	43	11492837	731.109	ug/l	99
43) Ethyl Acetate	4.83	43	1233806	138.048	ug/l	100
44) Isopropyl Acetate	6.43	43	2085284	143.869	ug/l	99
45) 1,4-Dioxane	7.74	88	374974	2375.797	ug/l	98
46) Methyl methacrylate	7.76	41	1043266	144.516	ug/l	99
47) n-amyl Acetate	10.89	43	2007195	156.829	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	1318092	154.700	ug/l	97
49) cis-1,3-Dichloropropene	8.43	75	1431241	152.741	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	857636	146.573	ug/l	99
51) Ethyl methacrylate	9.17	69	1472410	153.271	ug/l	99
52) 1,3-Dichloropropane	9.37	76	1467073	146.539	ug/l	99
53) Dibromochloromethane	9.58	129	955809	155.891	ug/l	99
54) 1,2-Dibromoethane	9.67	107	908413	146.601	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	3080487	749.330	ug/l	100
56) Bromoform	10.85	173	790529	162.625	ug/l	98
58) 4-Methyl-2-Pentanone	8.64	43	6401220	679.618	ug/l	98
59) 2-Hexanone	9.49	43	4890572	663.419	ug/l	98
61) Tetrachloroethene	9.33	164	852079	148.445	ug/l	96
62) Toluene	8.78	91	3591041	141.315	ug/l	99
64) Chlorobenzene	10.14	112	2313948	144.874	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.21	131	874779	147.381	ug/l	100
66) Ethyl Benzene	10.25	91	4049535	144.887	ug/l	96
67) m/p-Xylenes	10.35	106	3128867	289.937	ug/l	97
68) o-Xylene	10.70	106	1551131	148.177	ug/l	98
69) Styrene	10.71	104	2711386	152.631	ug/l	99
70) Isopropylbenzene	11.01	105	3998473	145.997	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	1427959	145.744	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	1624169	191.501	ug/l	95
73) Bromobenzene	11.25	156	1089988	150.380	ug/l	100
74) n-propylbenzene	11.35	91	4636514	148.962	ug/l	97
75) 2-Chlorotoluene	11.42	91	2778525	149.467	ug/l	99
76) 1,3,5-Trimethylbenzene	11.50	105	3479064	150.794	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	485691	150.008	ug/l	85
78) 4-Chlorotoluene	11.51	91	3243248	152.192	ug/l	98
79) tert-butylbenzene	11.77	119	3484993	150.981	ug/l	98
80) 1,2,4-Trimethylbenzene	11.81	105	3475189	150.863	ug/l	99
81) sec-Butylbenzene	11.94	105	4022083	151.532	ug/l	98
82) p-Isopropyltoluene	12.06	119	3674839	151.067	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	1952705	153.428	ug/l	100
84) 1,4-Dichlorobenzene	12.09	146	1962694	155.156	ug/l	100
85) n-Butylbenzene	12.38	91	3289514	157.743	ug/l	99
86) Hexachloroethane	12.59	117	723385	162.912	ug/l	97
87) 1,2-Dichlorobenzene	12.38	146	1971897	155.052	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	301720	139.544	ug/l	95
89) 1,2,4-Trichlorobenzene	13.64	180	1347467	156.093	ug/l	99
90) Hexachlorobutadiene	13.77	225	607939	146.317	ug/l	98
91) Naphthalene	13.83	128	4020258	148.632	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	1348585	154.920	ug/l	99

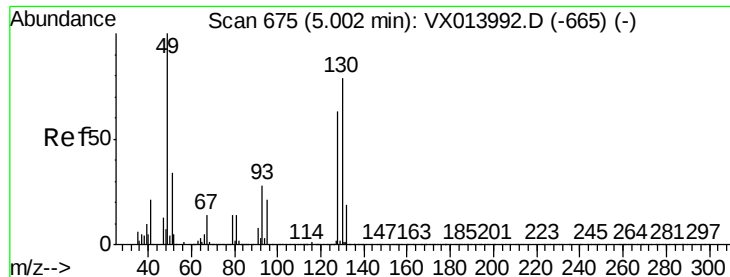
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121219\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

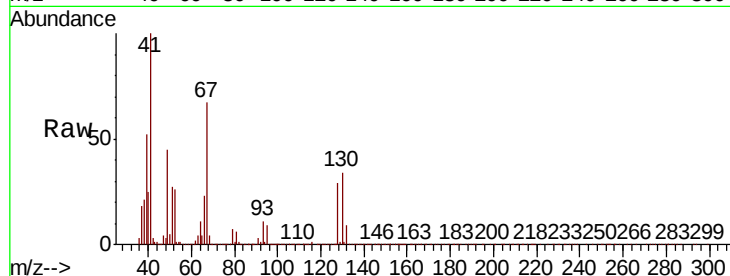
Tot Ion:128 Resp: 85417

Ion Ratio Lower Upper

128 100

49 167.4 0.0 405.0

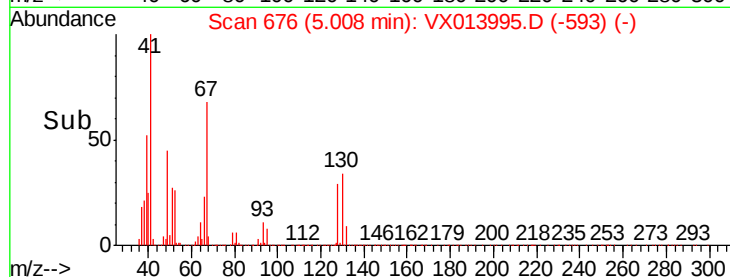
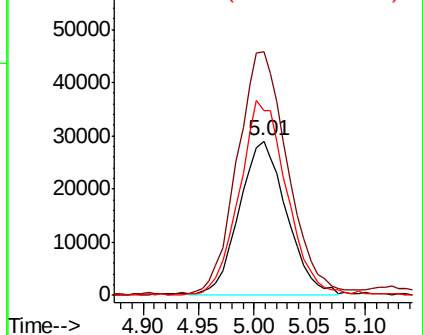
130 127.7 0.0 321.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 105.113 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX013995.D

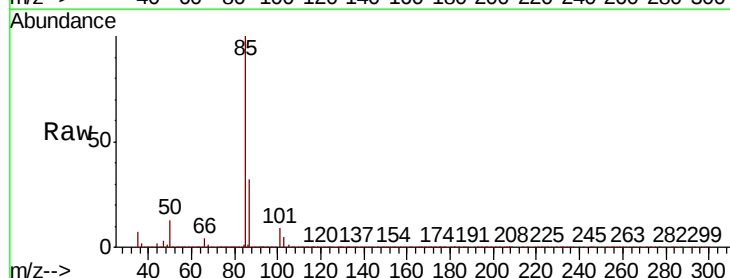
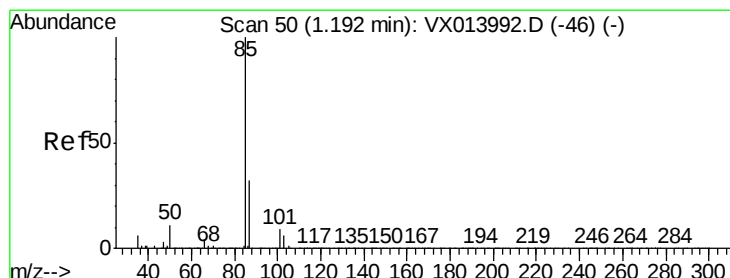
Acq: 13 Dec 2019 00:30

Tgt Ion: 85 Resp: 631092

Ion Ratio Lower Upper

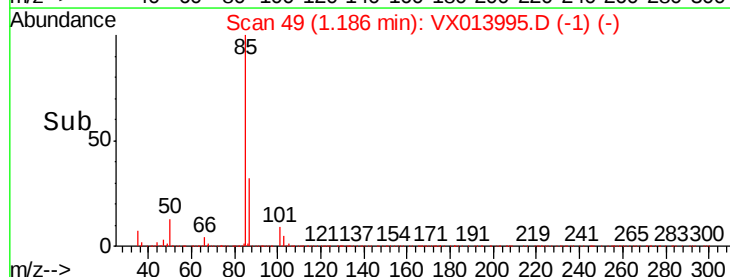
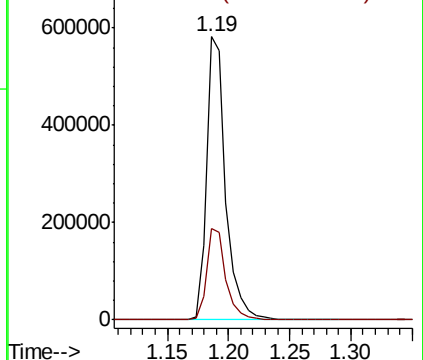
85 100

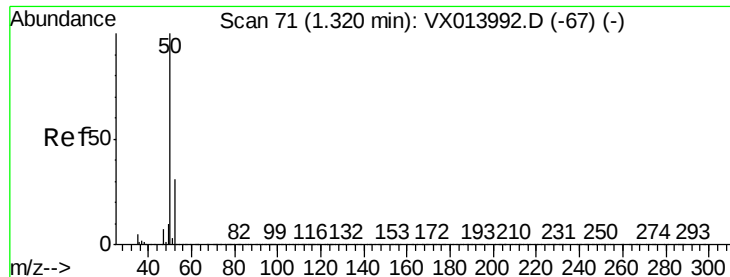
87 32.1 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 133.126 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.01 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

Instrument :

MSVOA_X

ClientSampleId :

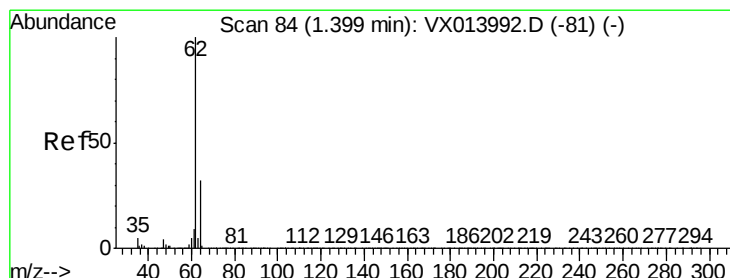
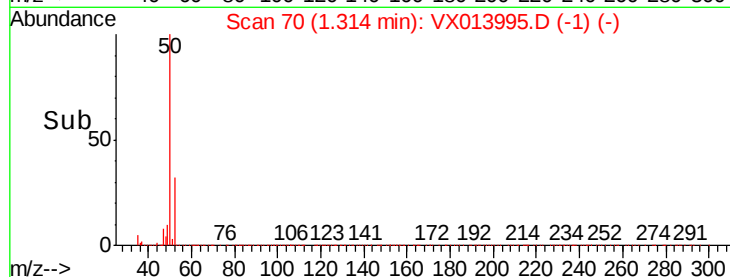
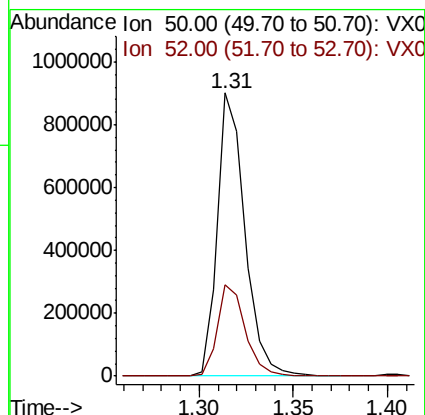
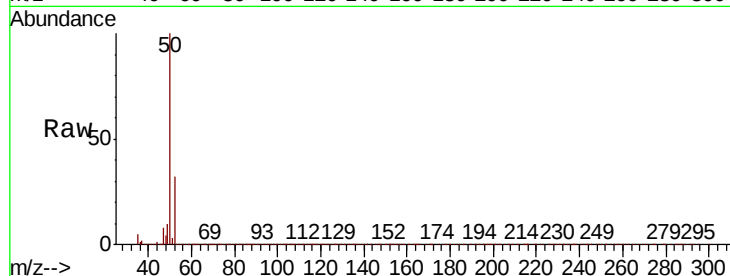
VSTDIC150

Tot Ion: 50 Resp: 913684

Ion Ratio Lower Upper

50 100

52 32.2 24.3 36.5



#4

Vinyl Chloride

Concen: 122.745 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013995.D

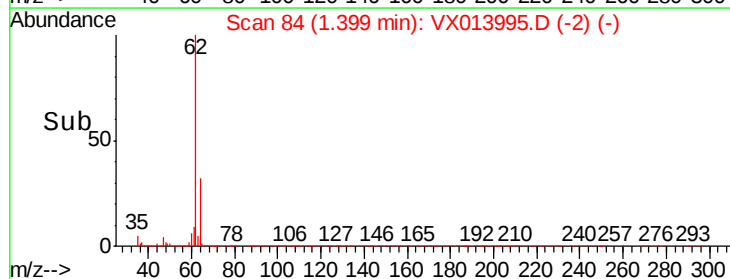
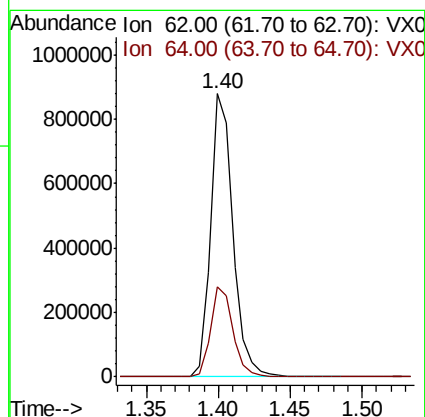
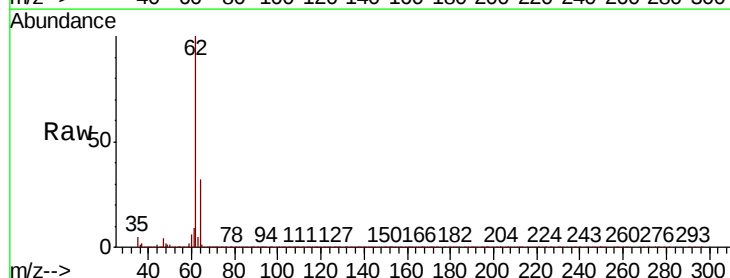
Acq: 13 Dec 2019 00:30

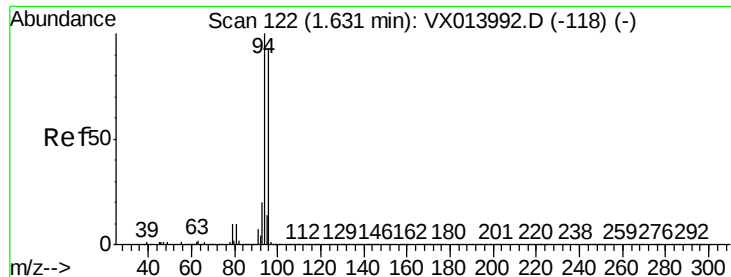
Tgt Ion: 62 Resp: 936357

Ion Ratio Lower Upper

62 100

64 31.6 25.2 37.8





#5

Bromomethane

Concen: 138.978 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.01 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

Instrument :

MSVOA_X

ClientSampleId :

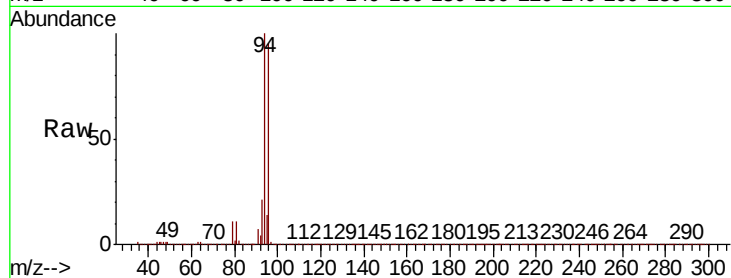
VSTDIC150

Tot Ion: 94 Resp: 670759

Ion Ratio Lower Upper

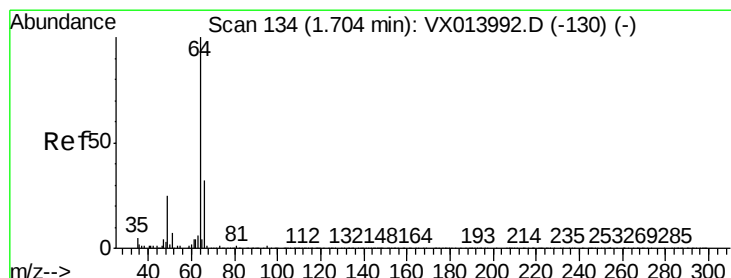
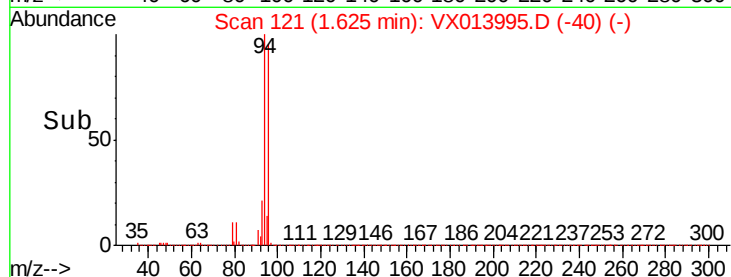
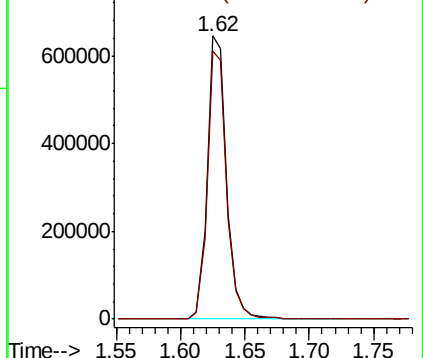
94 100

96 94.7 74.4 111.6



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 134.574 ug/l

RT: 1.70 min Scan# 133

Delta R.T. -0.01 min

Lab File: VX013995.D

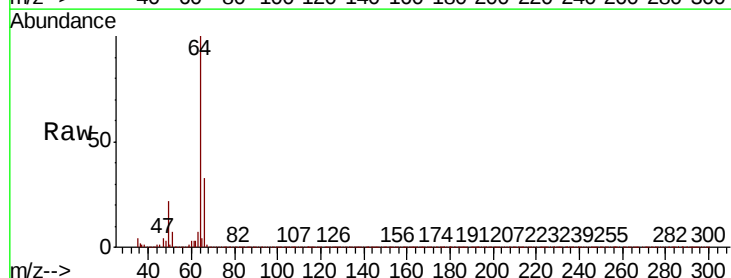
Acq: 13 Dec 2019 00:30

Tgt Ion: 64 Resp: 576640

Ion Ratio Lower Upper

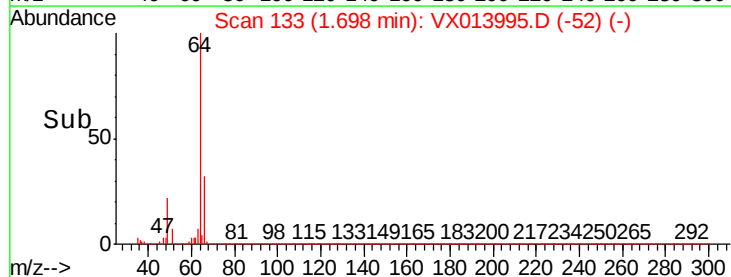
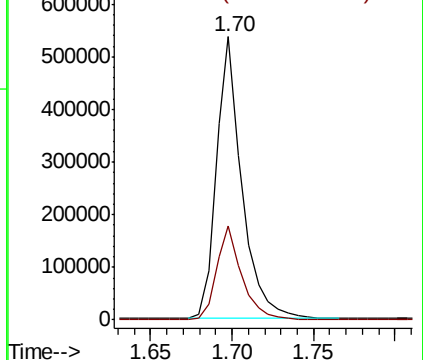
64 100

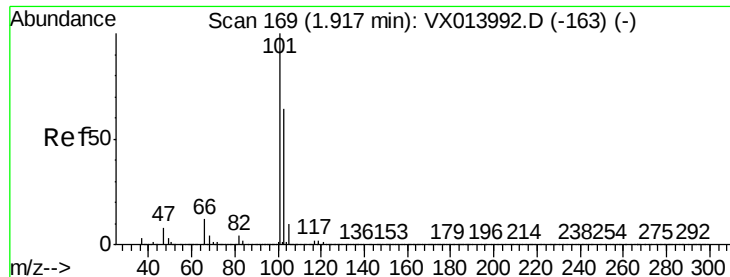
66 33.1 25.2 37.8



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



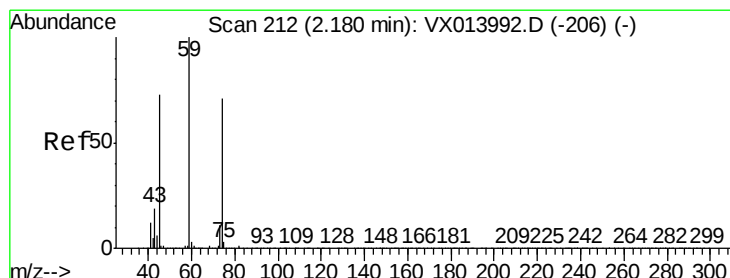
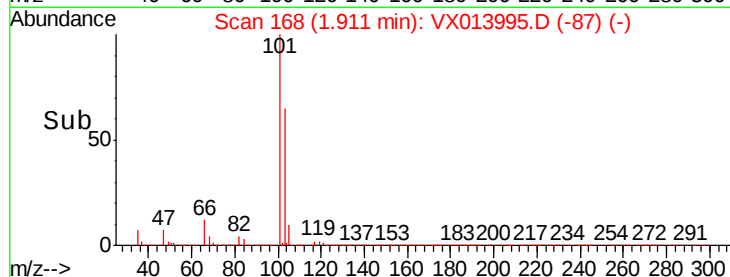
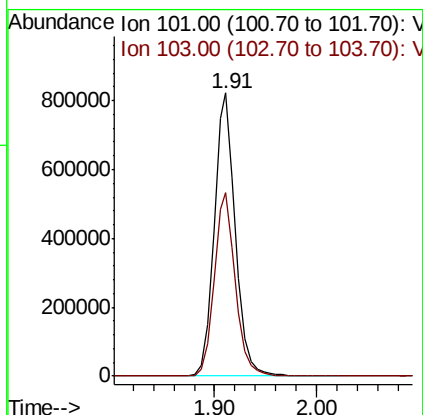
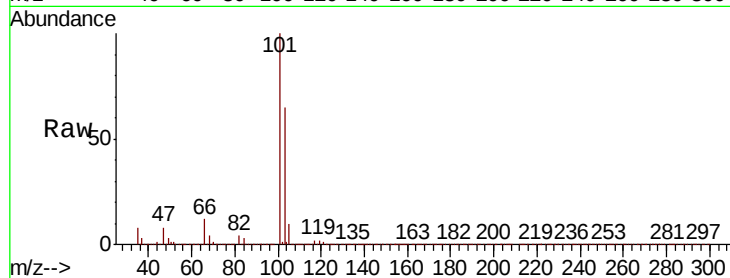


#7

Trichlorofluoromethane
Concen: 140.016 ug/l
RT: 1.91 min Scan# 168
Delta R.T. -0.01 min
Lab File: VX013995.D
Acq: 13 Dec 2019 00:30

Instrument :
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VSTDIC150

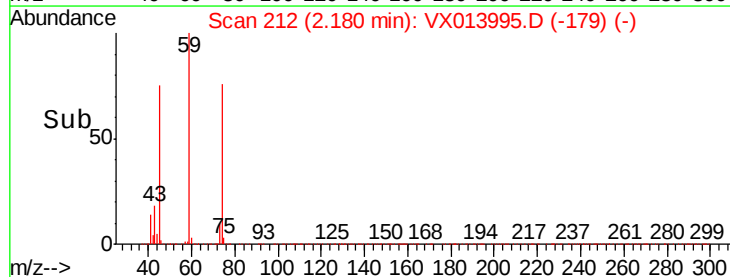
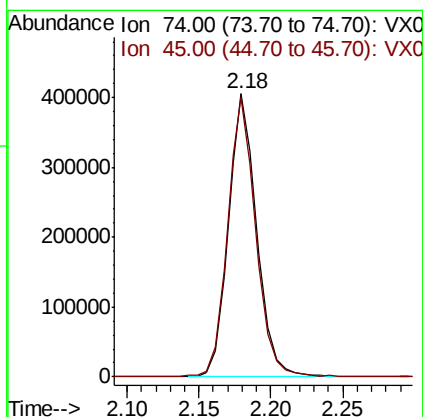
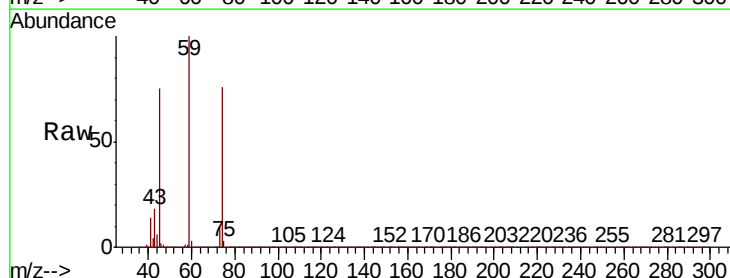
Tot Ion:101 Resp: 1186448
Ion Ratio Lower Upper
101 100
103 64.7 51.6 77.4

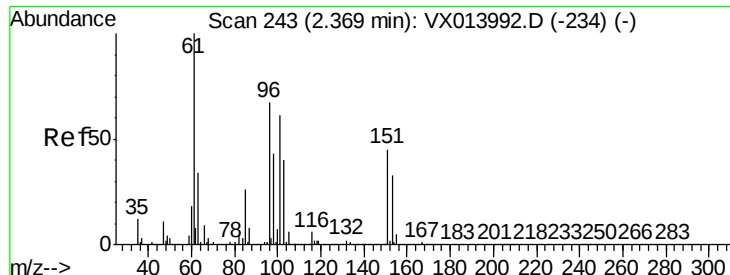


#8

Diethyl Ether
Concen: 143.292 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX013995.D
Acq: 13 Dec 2019 00:30

Tgt Ion: 74 Resp: 555343
Ion Ratio Lower Upper
74 100
45 98.6 20.6 185.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 137.612 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

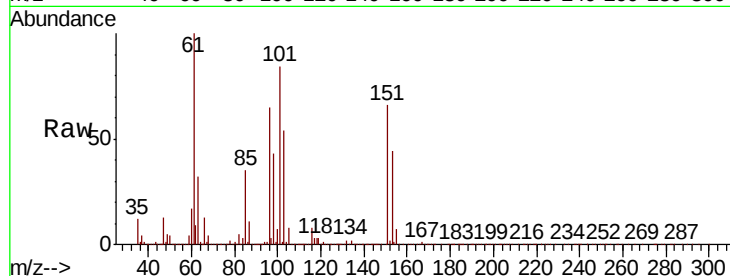
Tot Ion:101 Resp: 697456

Ion Ratio Lower Upper

101 100

85 41.9 0.0 85.6

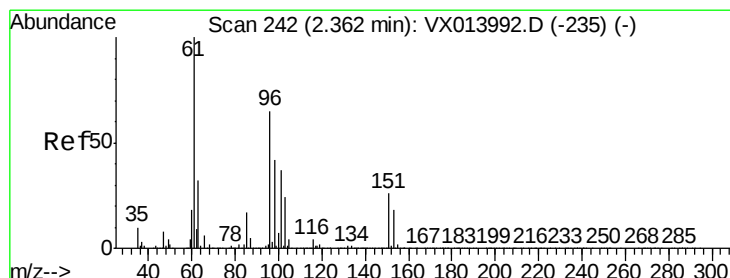
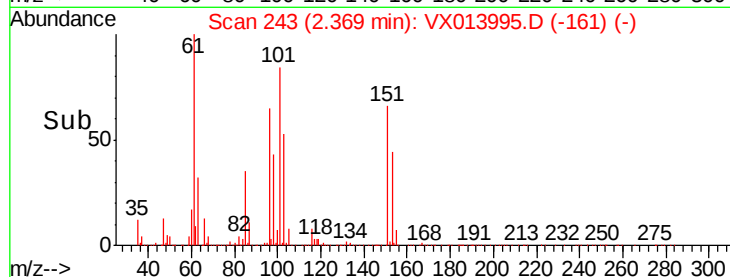
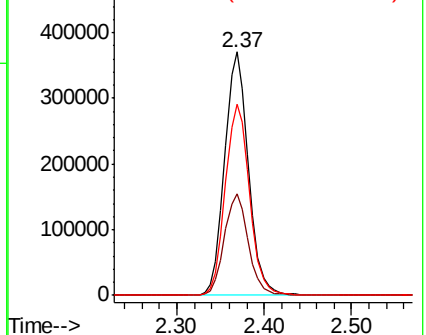
151 80.4 0.0 159.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 141.571 ug/l

RT: 2.36 min Scan# 241

Delta R.T. -0.01 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

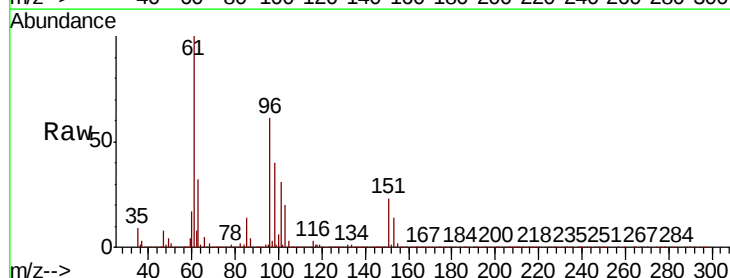
Tgt Ion: 96 Resp: 739782

Ion Ratio Lower Upper

96 100

61 162.8 123.0 184.6

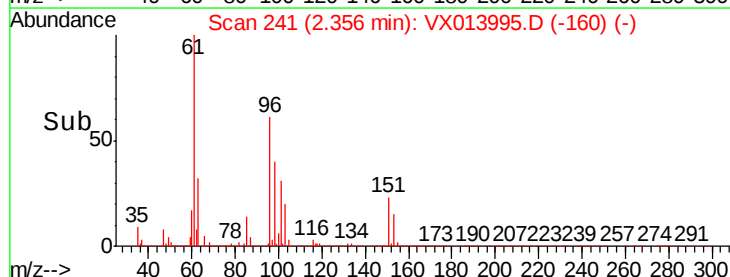
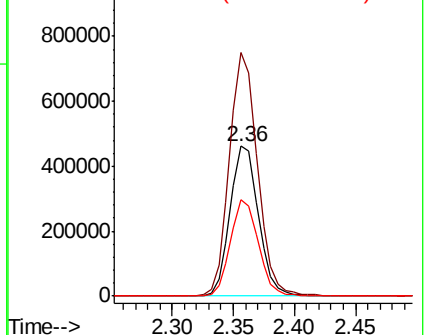
98 64.6 51.4 77.0

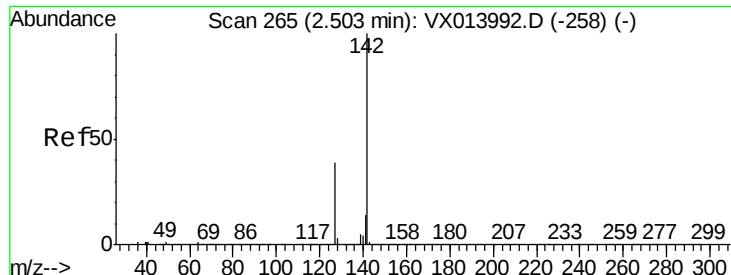


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

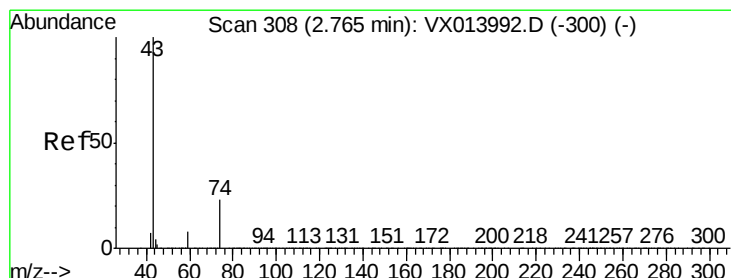
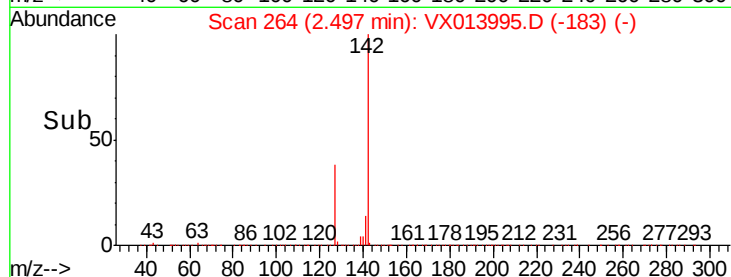
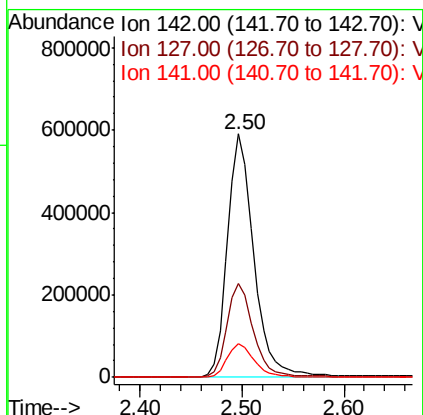
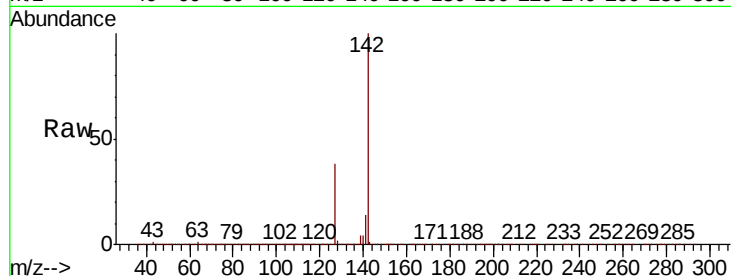




#11
Methvl Iodide
Concen: 164.190 ug/l
RT: 2.50 min Scan# 264
Delta R.T. -0.01 min
Lab File: VX013995.D
Acq: 13 Dec 2019 00:30

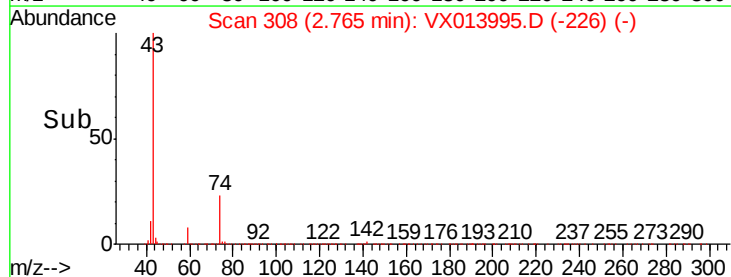
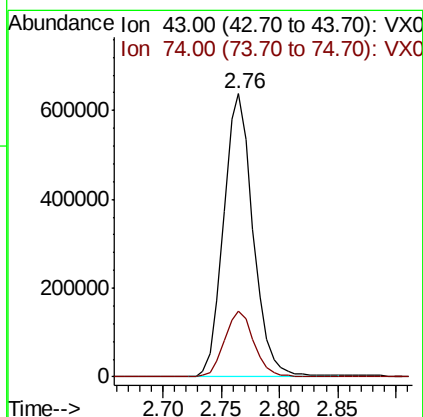
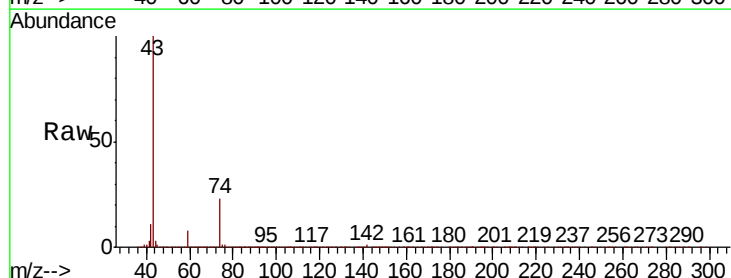
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

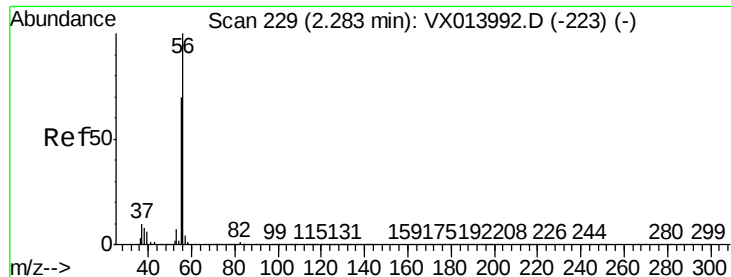
Tot Ion:142 Resp: 1068505
Ion Ratio Lower Upper
142 100
127 38.4 19.5 58.5
141 13.6 7.0 20.9



#12
Methyl Acetate
Concen: 123.988 ug/l
RT: 2.76 min Scan# 308
Delta R.T. -0.00 min
Lab File: VX013995.D
Acq: 13 Dec 2019 00:30

Tgt Ion: 43 Resp: 1114328
Ion Ratio Lower Upper
43 100
74 22.9 18.5 27.7





#13

Acrolein

Concen: 749.420 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

Instrument :

MSVOA_X

ClientSampleId :

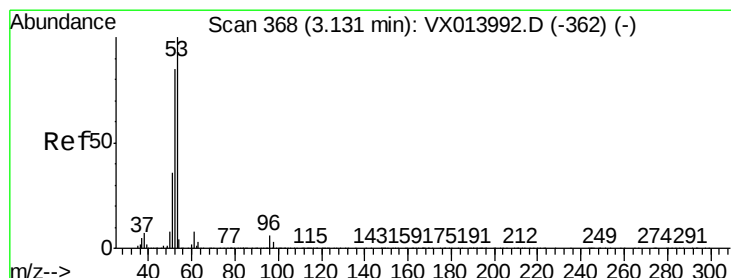
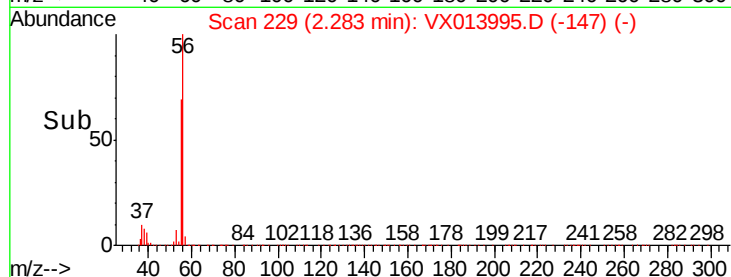
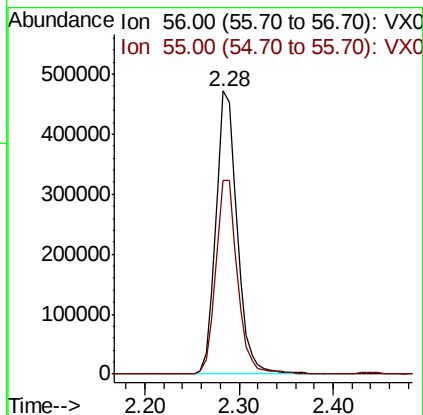
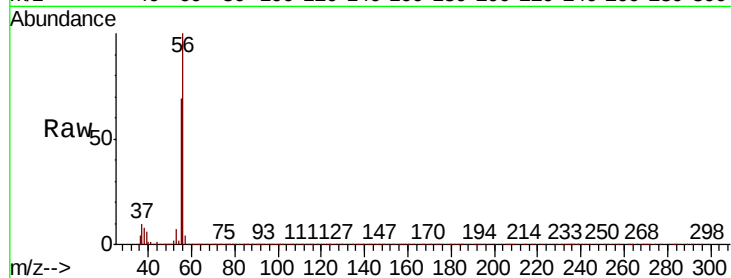
VSTDIC150

Tot Ion: 56 Resp: 741444

Ion Ratio Lower Upper

56 100

55 69.5 54.9 82.3



#14

Acrylonitrile

Concen: 666.120 ug/l

RT: 3.14 min Scan# 369

Delta R.T. 0.01 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

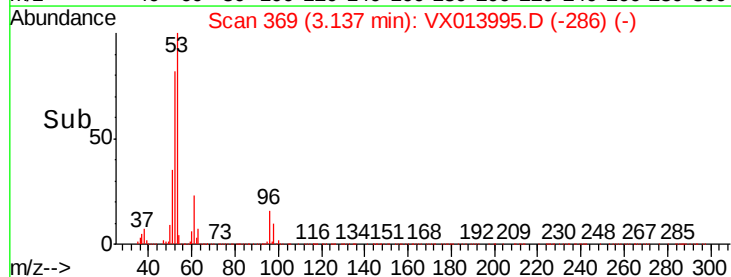
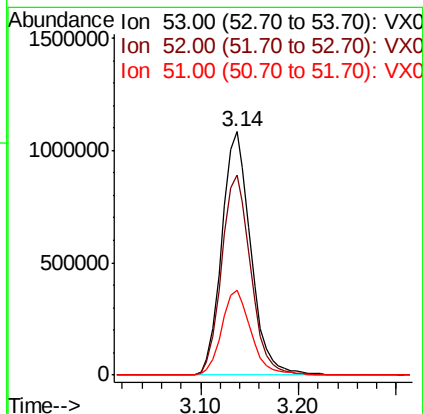
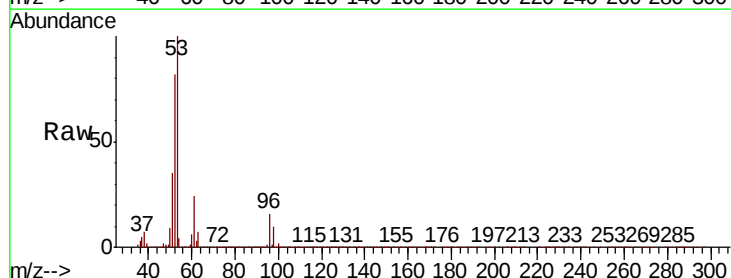
Tgt Ion: 53 Resp: 2219418

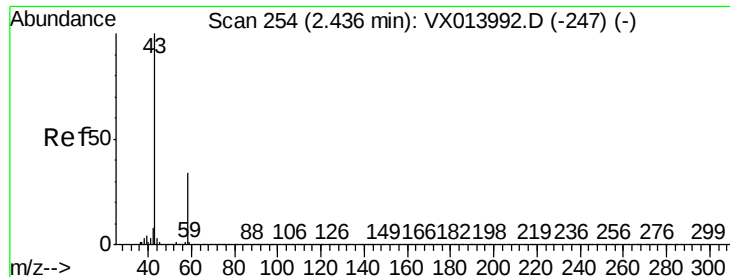
Ion Ratio Lower Upper

53 100

52 82.7 41.5 124.6

51 35.1 17.8 53.5





#15

Acetone

Concen: 599.847 ug/l

RT: 2.44 min Scan# 255

Delta R.T. 0.01 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

Instrument :

MSVOA_X

ClientSampleId :

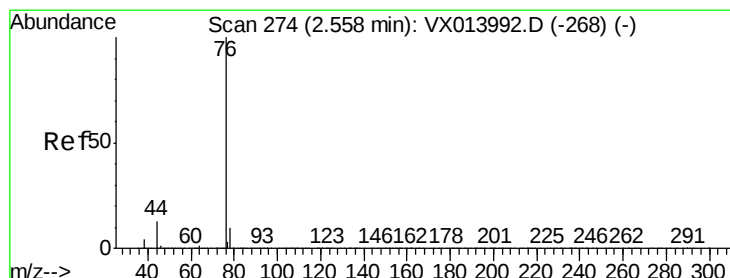
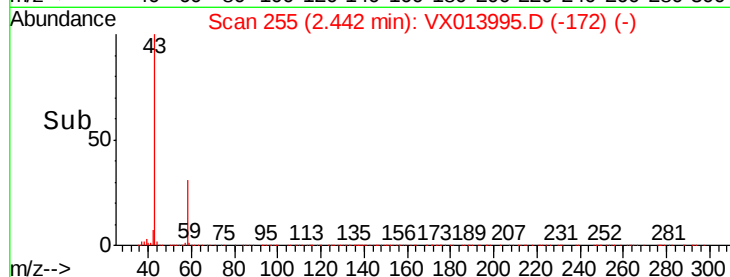
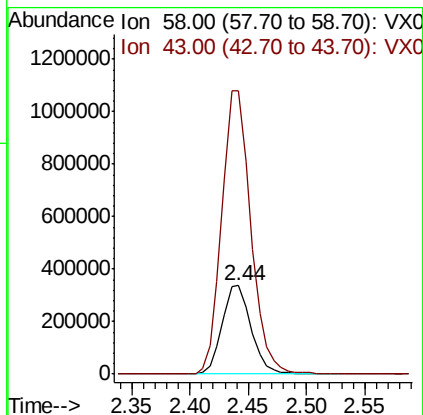
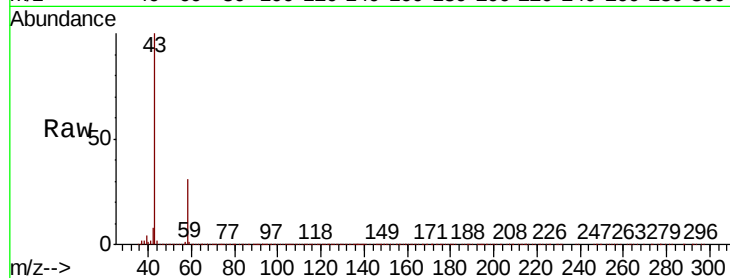
VSTDIC150

Tot Ion: 58 Resp: 584769

Ion Ratio Lower Upper

58 100

43 318.9 236.3 354.5



#16

Carbon Disulfide

Concen: 145.327 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX013995.D

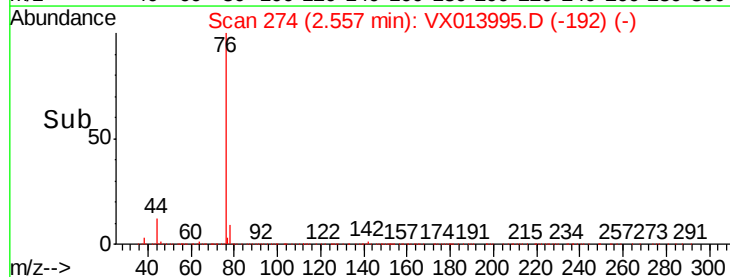
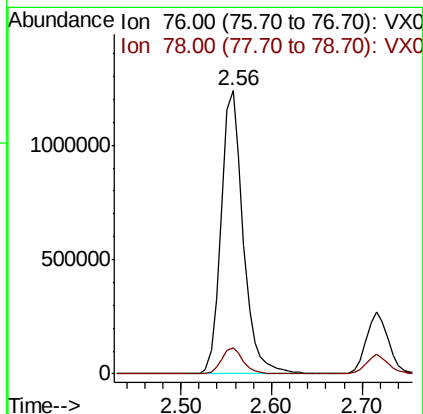
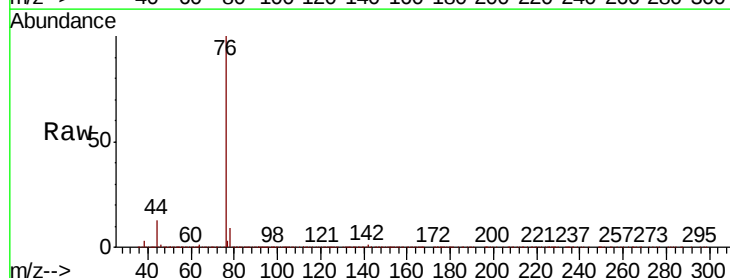
Acq: 13 Dec 2019 00:30

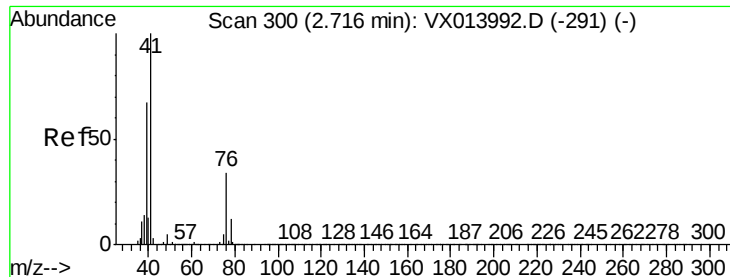
Tgt Ion: 76 Resp: 2104224

Ion Ratio Lower Upper

76 100

78 9.1 7.8 11.8

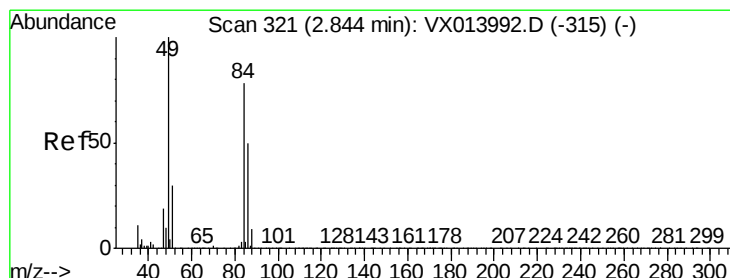
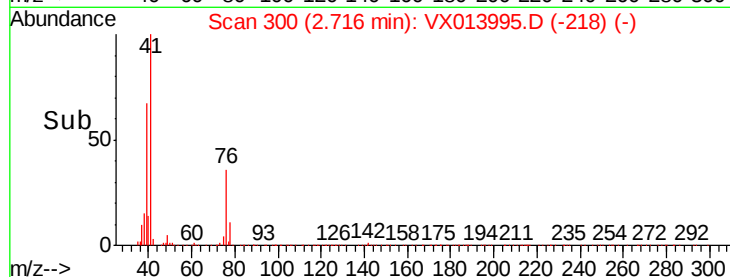
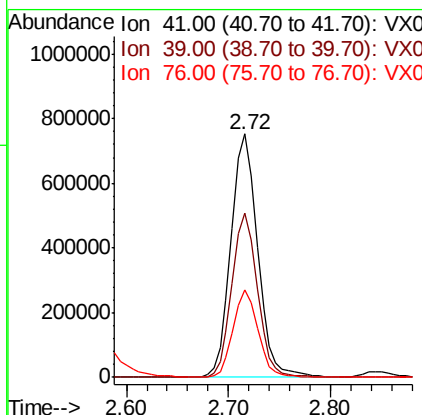
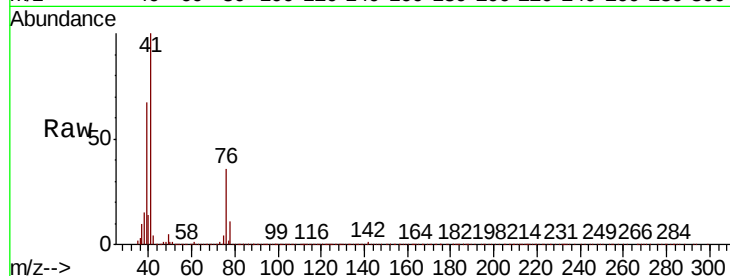




#17
Allvl chloride
Concen: 142.050 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.00 min
Lab File: VX013995.D
Acq: 13 Dec 2019 00:30

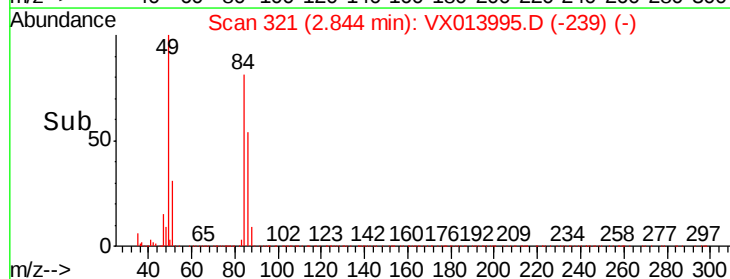
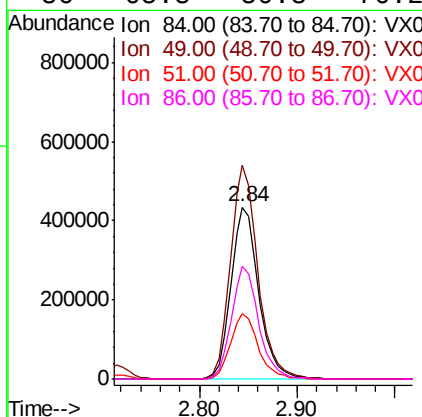
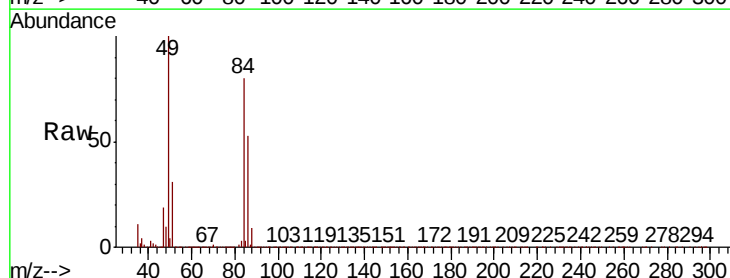
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

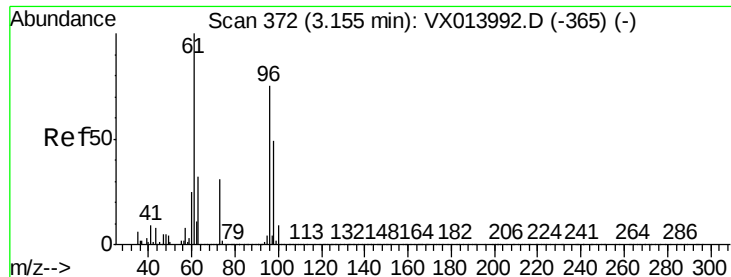
Tot Ion: 41 Resp: 1362371
Ion Ratio Lower Upper
41 100
39 67.3 33.4 100.2
76 35.6 17.0 50.9



#18
Methylene Chloride
Concen: 140.786 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX013995.D
Acq: 13 Dec 2019 00:30

Tgt Ion: 84 Resp: 850945
Ion Ratio Lower Upper
84 100
49 124.3 102.2 153.2
51 38.2 31.4 47.0
86 65.8 50.8 76.2





#19

trans-1,2-Dichloroethene

Concen: 144.156 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

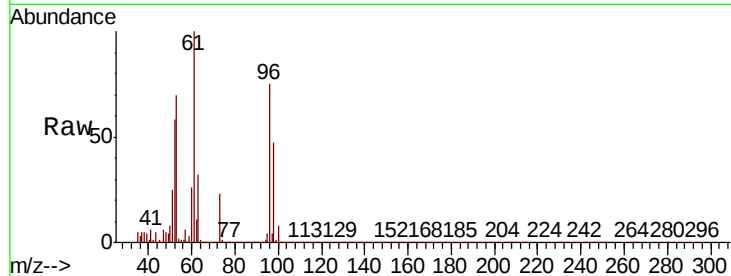
Tot Ion: 96 Resp: 809616

Ion Ratio Lower Upper

96 100

61 133.1 106.6 159.8

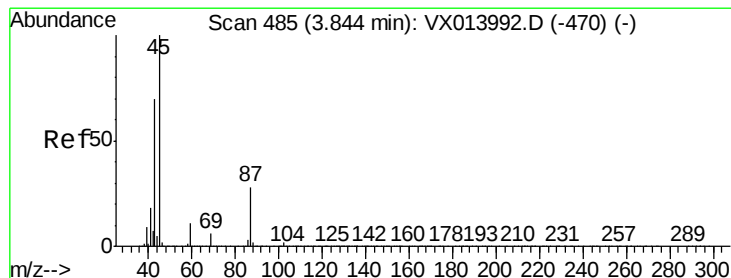
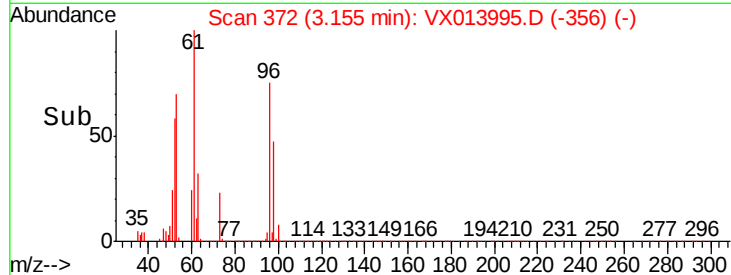
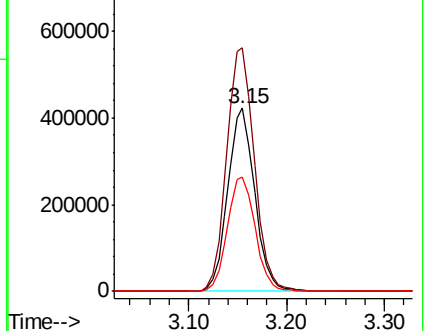
98 62.2 51.6 77.4



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#20

Diisopropyl ether

Concen: 144.882 ug/l

RT: 3.85 min Scan# 486

Delta R.T. 0.01 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

Tgt Ion: 45 Resp: 2714300

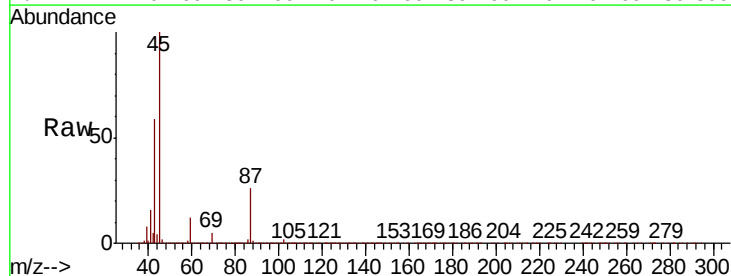
Ion Ratio Lower Upper

45 100

43 58.9 55.9 83.9

87 26.4 22.2 33.2

59 11.6 8.6 13.0

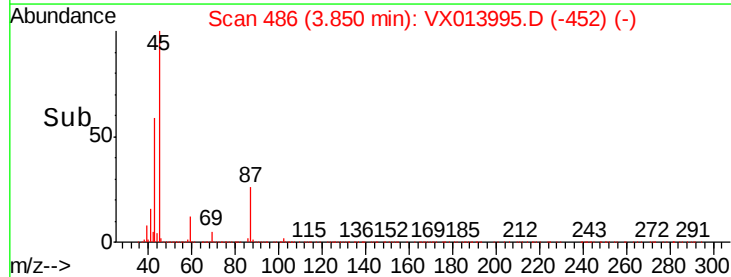
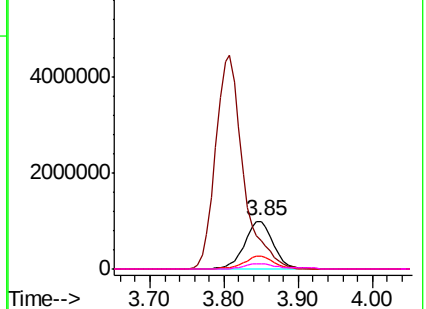


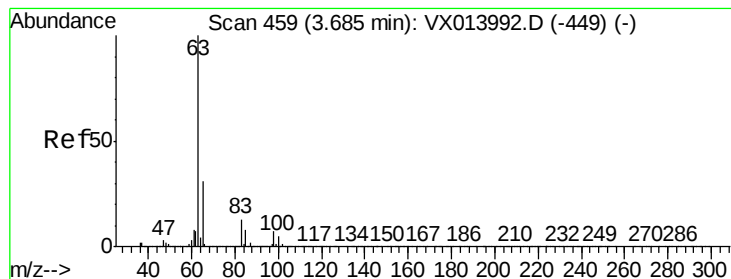
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#21

1,1-Dichloroethane

Concen: 144.844 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

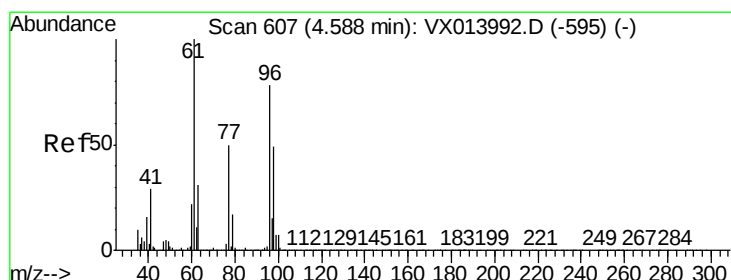
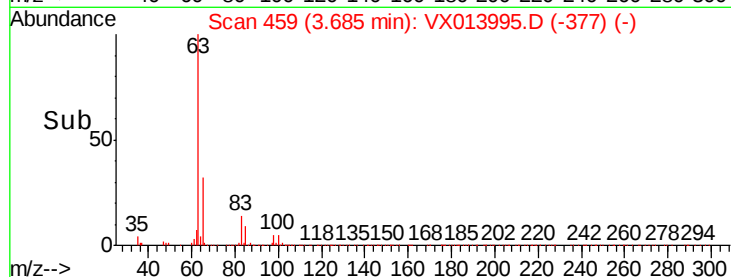
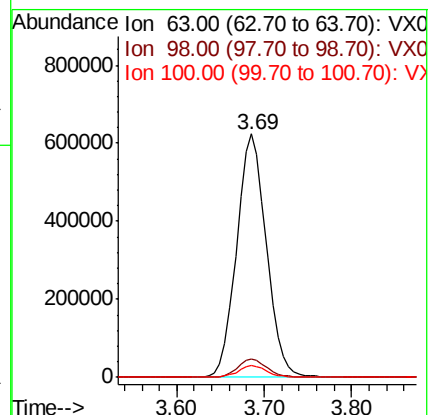
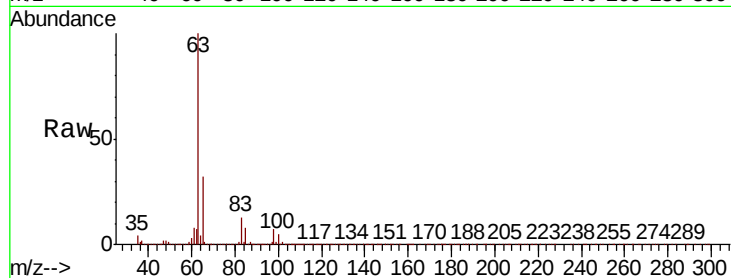
Tot Ion: 63 Resp: 1473789

Ion Ratio Lower Upper

63 100

98 7.5 3.4 10.1

100 5.0 2.5 7.4



#22

cis-1,2-Dichloroethene

Concen: 146.569 ug/l

RT: 4.58 min Scan# 606

Delta R.T. -0.01 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

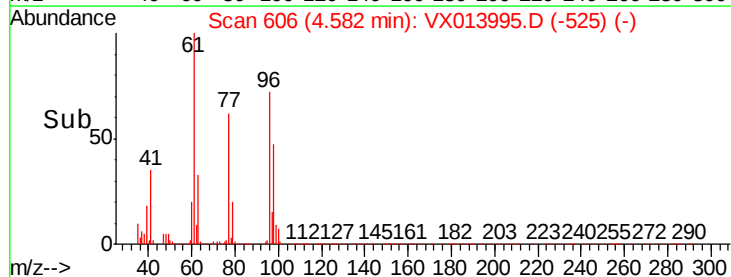
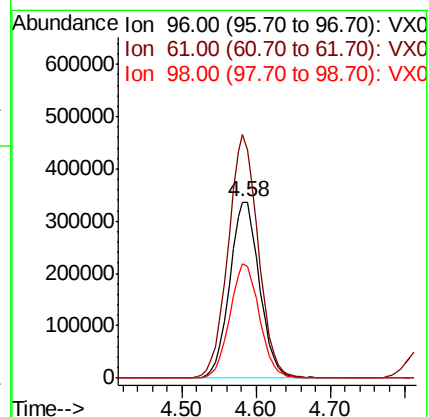
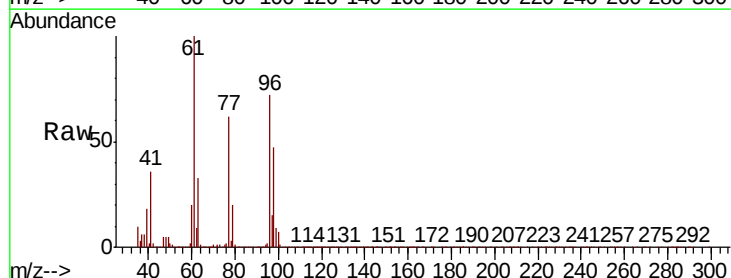
Tgt Ion: 96 Resp: 942723

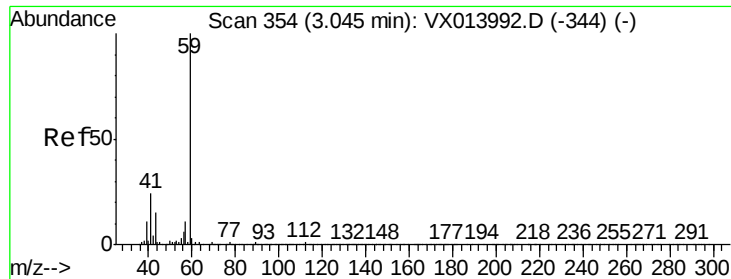
Ion Ratio Lower Upper

96 100

61 139.1 112.4 168.6

98 64.2 50.3 75.5



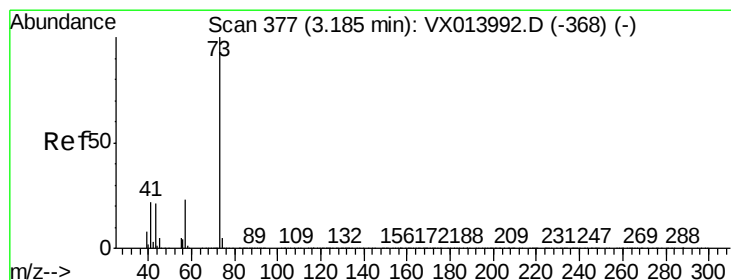
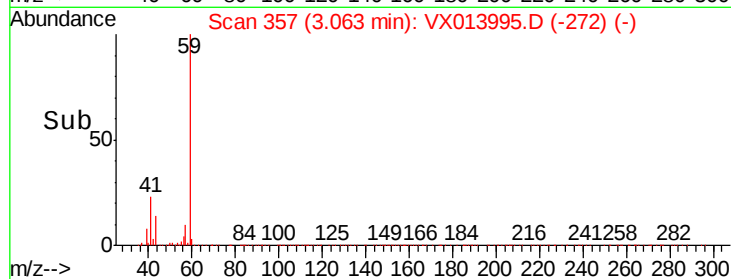
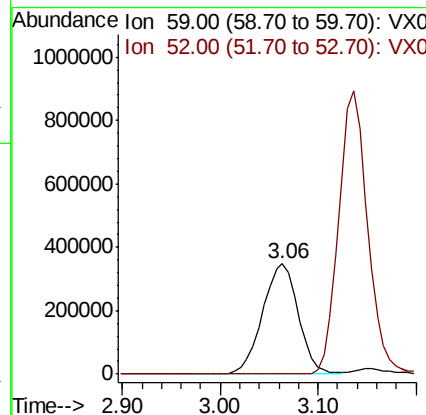
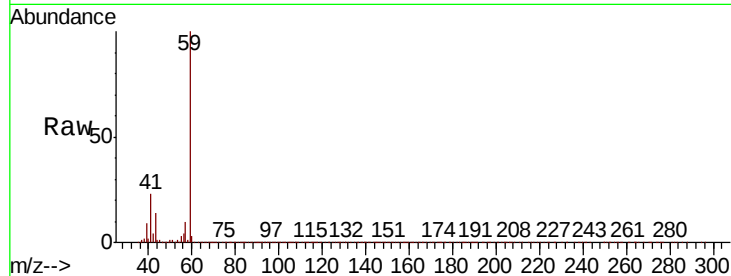


#23

tert-Butyl Alcohol
 Concen: 560.510 ug/l
 RT: 3.06 min Scan# 357
 Delta R.T. 0.02 min
 Lab File: VX013995.D
 Acq: 13 Dec 2019 00:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

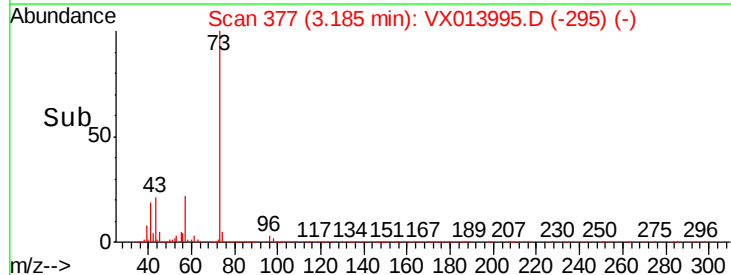
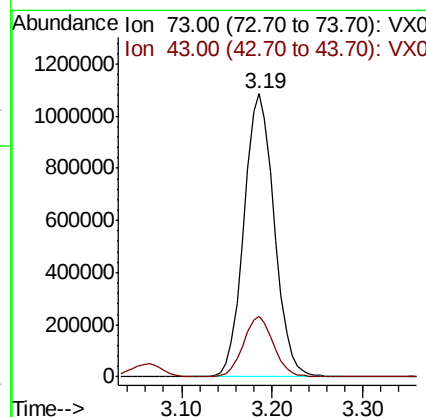
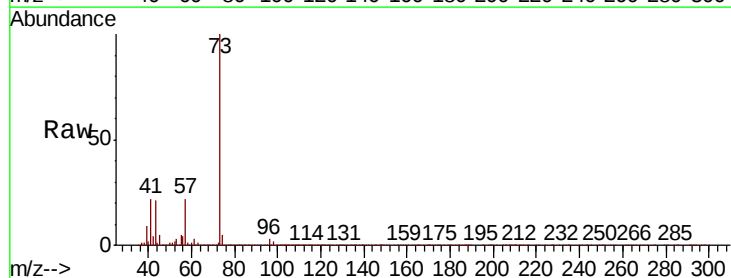
Tot Ion: 59 Resp: 881324
 Ion Ratio Lower Upper
 59 100
 52 0.2 0.2 0.2

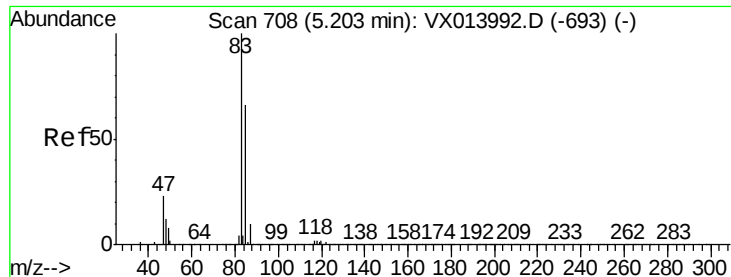


#24

Methyl tert-Butyl Ether
 Concen: 143.965 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. -0.00 min
 Lab File: VX013995.D
 Acq: 13 Dec 2019 00:30

Tgt Ion: 73 Resp: 2504290
 Ion Ratio Lower Upper
 73 100
 43 21.0 16.6 25.0





#25

Chloroform

Concen: 141.957 ug/l

RT: 5.20 min Scan# 708

Delta R.T. -0.00 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

Instrument :

MSVOA_X

ClientSampleId :

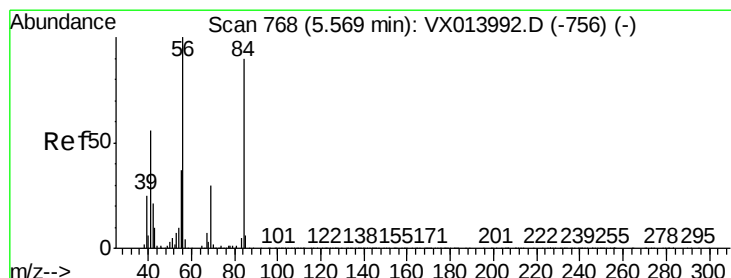
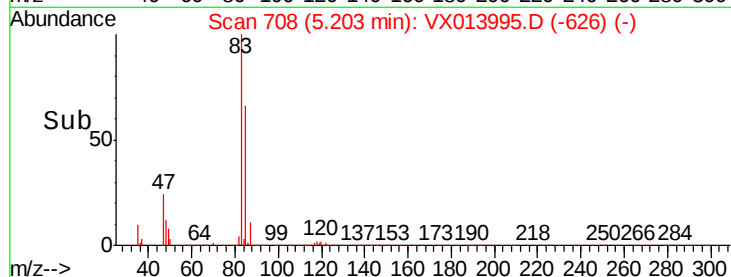
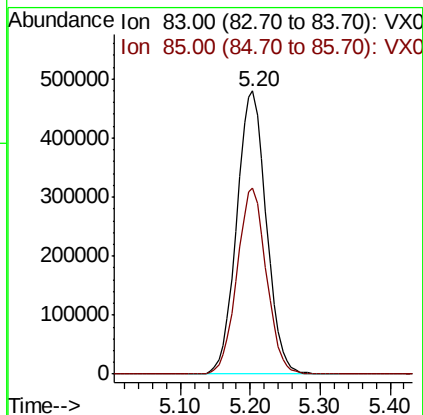
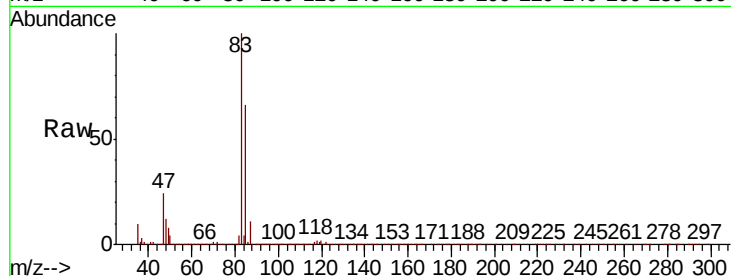
VSTDIC150

Tot Ion: 83 Resp: 1409275

Ion Ratio Lower Upper

83 100

85 65.7 52.7 79.1



#26

Cyclohexane

Concen: 143.546 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

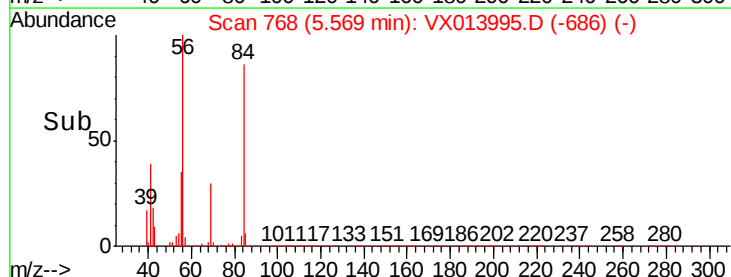
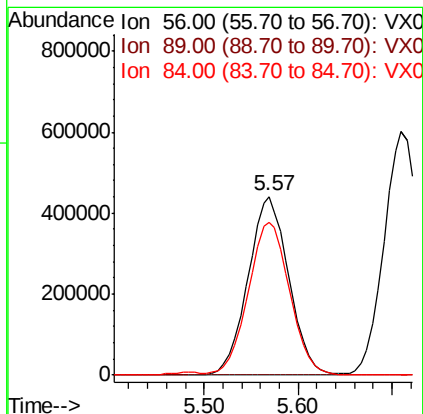
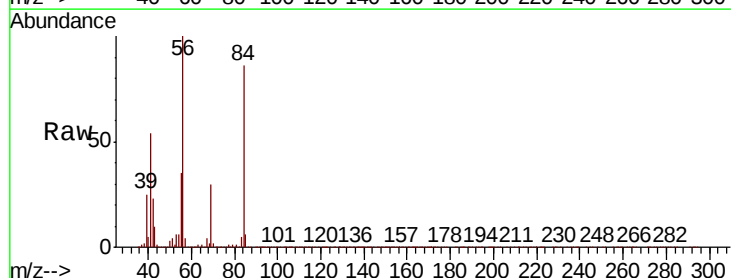
Tgt Ion: 56 Resp: 1327303

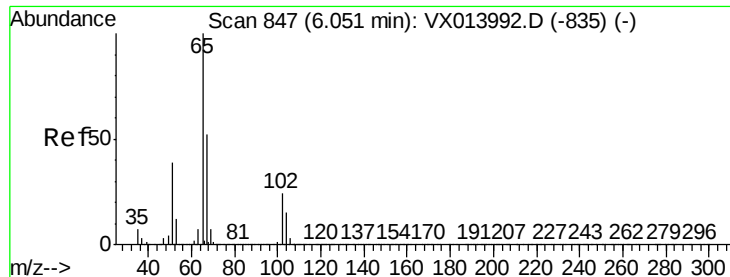
Ion Ratio Lower Upper

56 100

89 0.0 0.1 0.1#

84 87.0 70.8 106.2





#27

1,2-Dichloroethane-d4

Concen: 29.164 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

Instrument :

MSVOA_X

ClientSampleId :

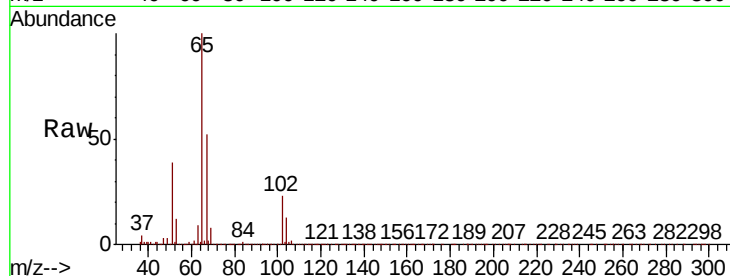
VSTDIC150

Tot Ion: 65 Resp: 184297

Ion Ratio Lower Upper

65 100

67 52.8 43.1 64.7



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

6.06

80000

60000

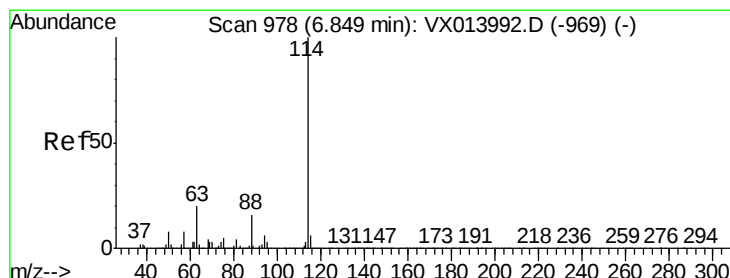
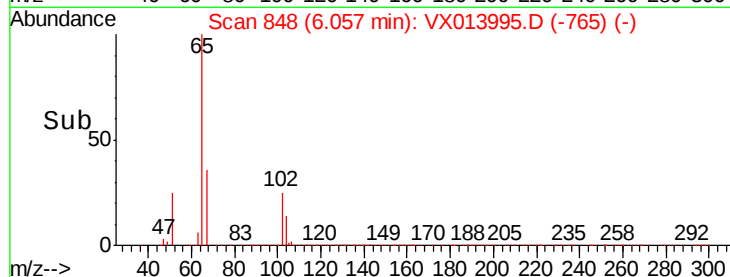
40000

20000

0

5.95 6.00 6.05 6.10 6.15

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

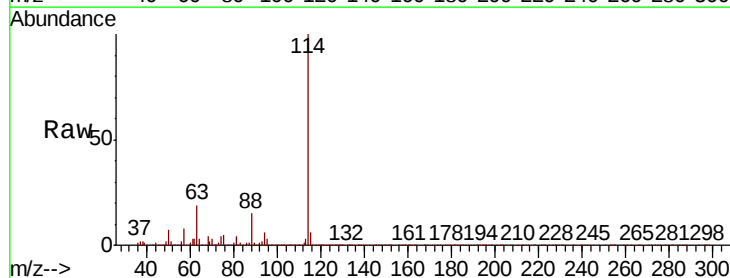
Tgt Ion: 114 Resp: 496826

Ion Ratio Lower Upper

114 100

63 19.7 16.1 24.1

88 15.9 12.5 18.7



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

300000

250000

200000

150000

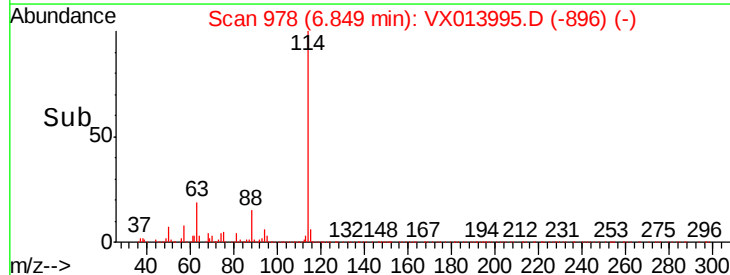
100000

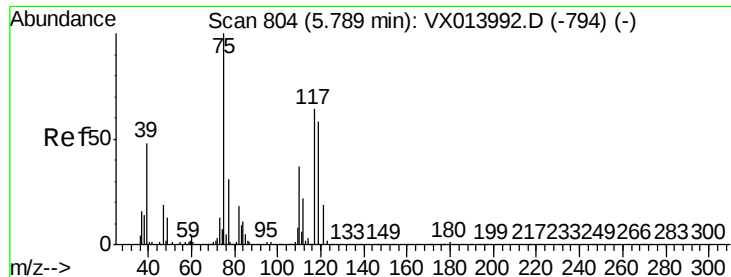
50000

0

6.70 6.80 6.90 7.00

Time-->





#29

1,1-Dichloropropene

Concen: 145.698 ug/l

RT: 5.79 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

Instrument :

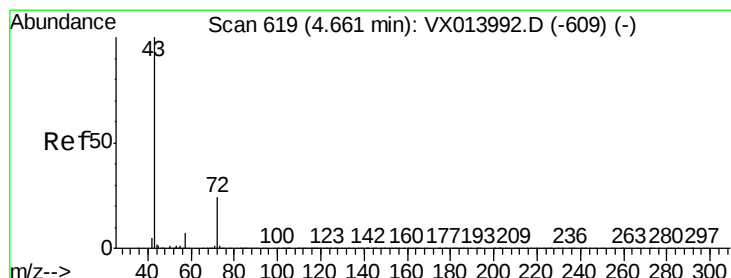
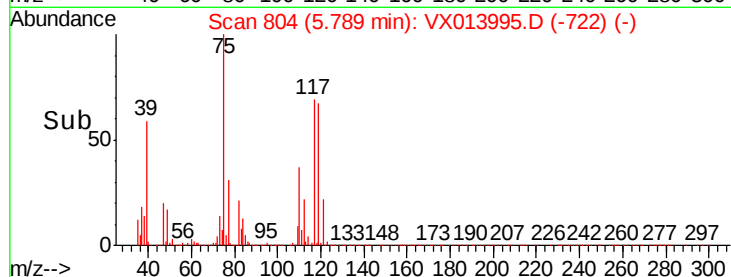
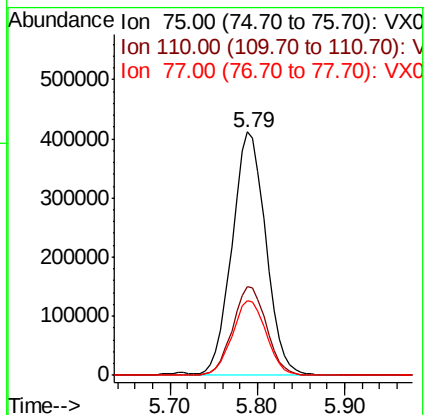
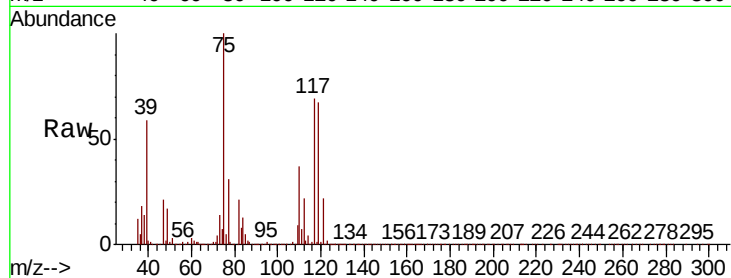
MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 1102461

Ion	Ratio	Lower	Upper
75	100		
110	36.7	0.0	73.8
77	31.1	0.0	62.4



#30

2-Butanone

Concen: 636.130 ug/l

RT: 4.67 min Scan# 620

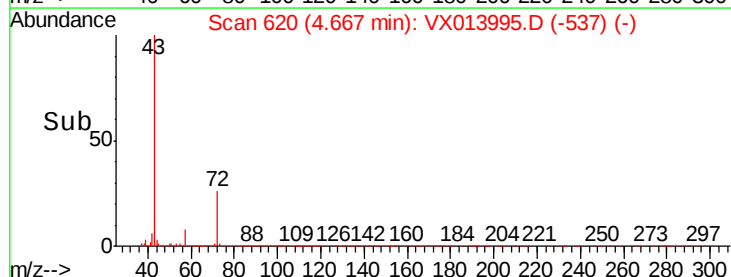
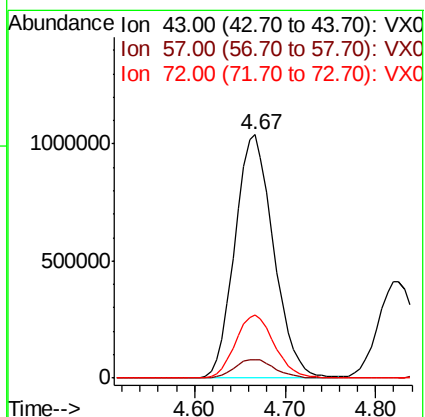
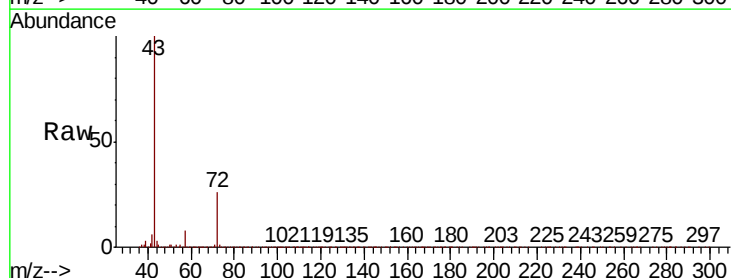
Delta R.T. 0.01 min

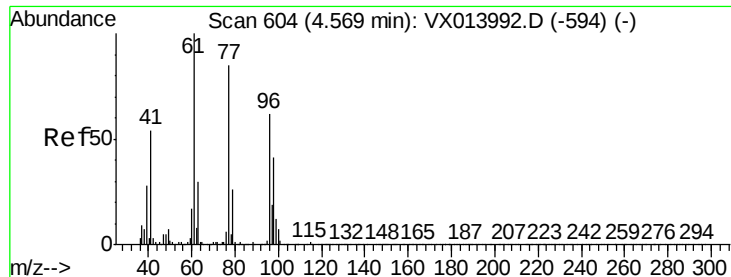
Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

Tgt Ion: 43 Resp: 3069015

Ion	Ratio	Lower	Upper
43	100		
57	7.9	6.2	9.2
72	25.9	20.3	30.5





#31

2,2-Dichloropropane

Concen: 129.355 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

Instrument :

MSVOA_X

ClientSampleId :

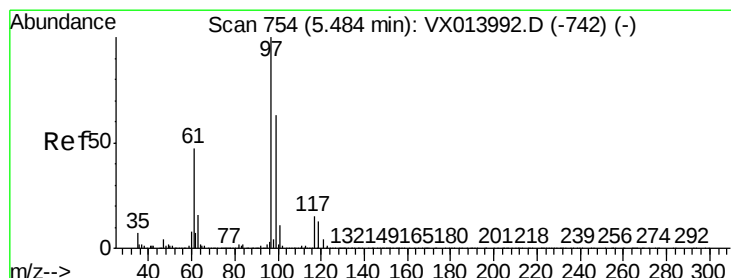
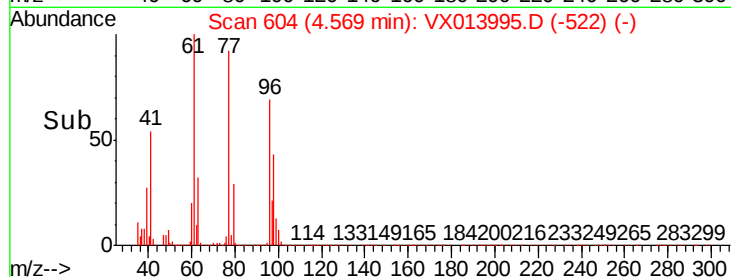
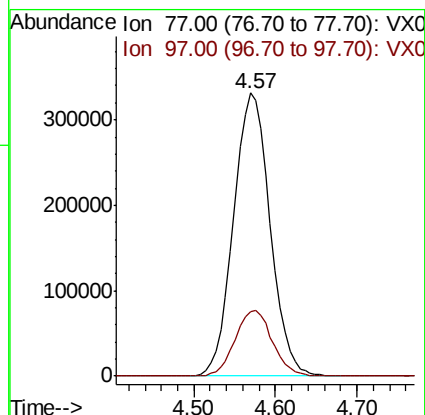
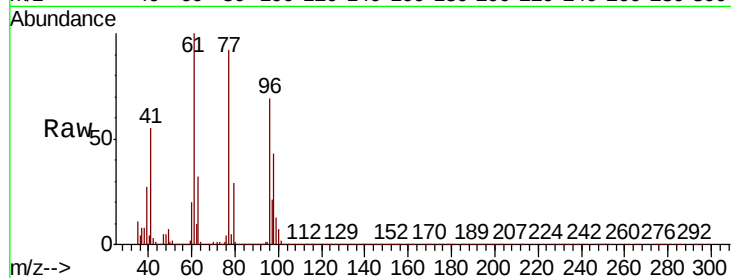
VSTDIC150

Tot Ion: 77 Resp: 1026039

Ion Ratio Lower Upper

77 100

97 23.5 19.7 29.5



#32

1,1,1-Trichloroethane

Concen: 146.327 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

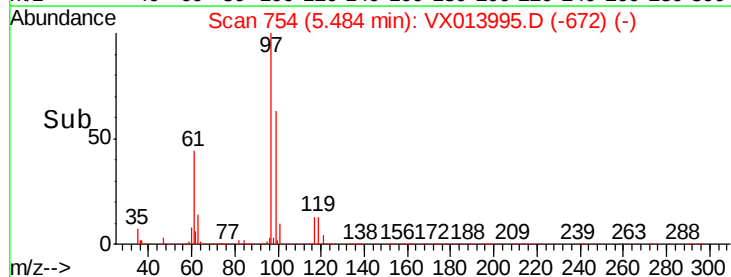
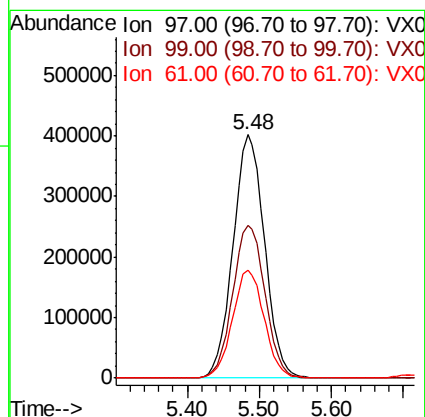
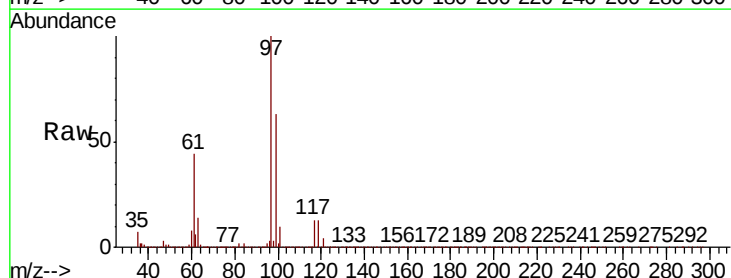
Tgt Ion: 97 Resp: 1221962

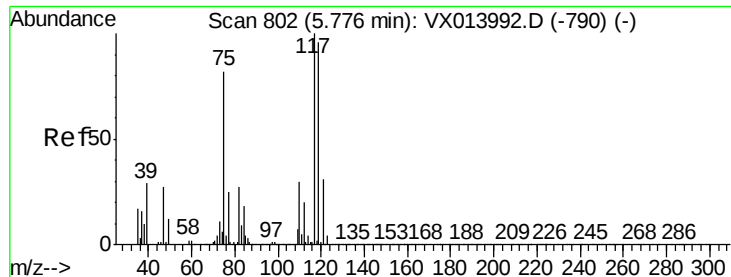
Ion Ratio Lower Upper

97 100

99 64.1 51.9 77.9

61 44.6 36.8 55.2





#33

Carbon Tetrachloride

Concen: 146.153 ug/l

RT: 5.78 min Scan# 802

Delta R.T. -0.00 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

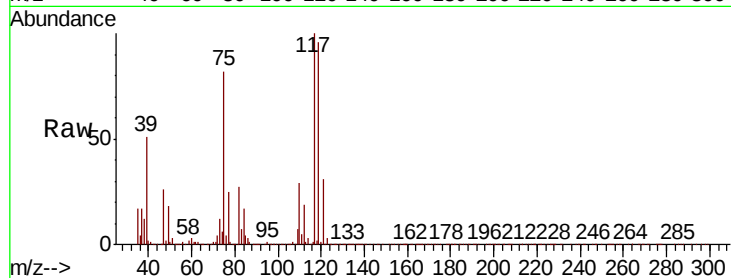
Tot Ion:117 Resp: 1054844

Ion Ratio Lower Upper

117 100

119 95.5 77.2 115.8

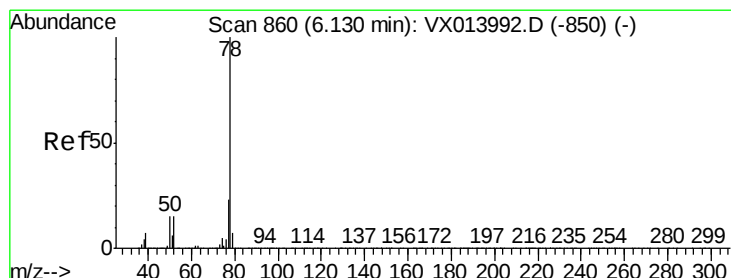
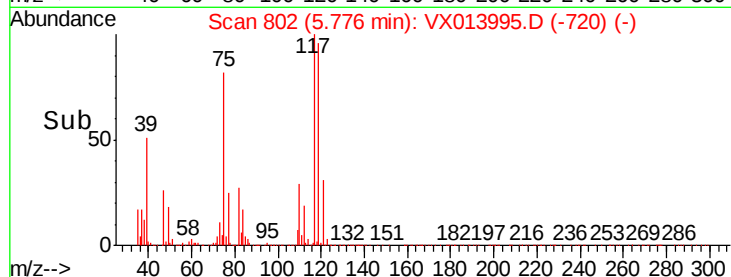
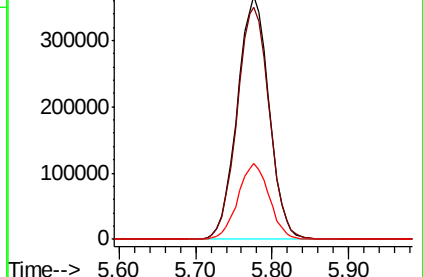
121 31.1 24.8 37.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 146.513 ug/l

RT: 6.14 min Scan# 861

Delta R.T. 0.01 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

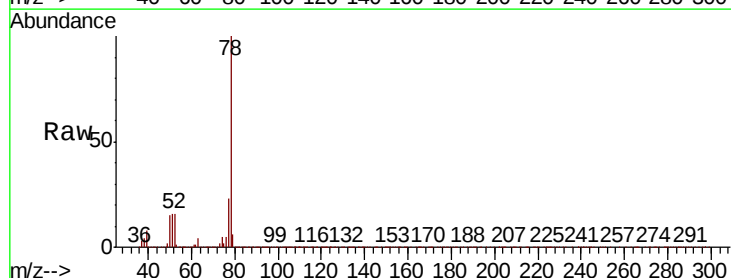
Tgt Ion: 78 Resp: 3369938

Ion Ratio Lower Upper

78 100

77 23.3 18.2 27.2

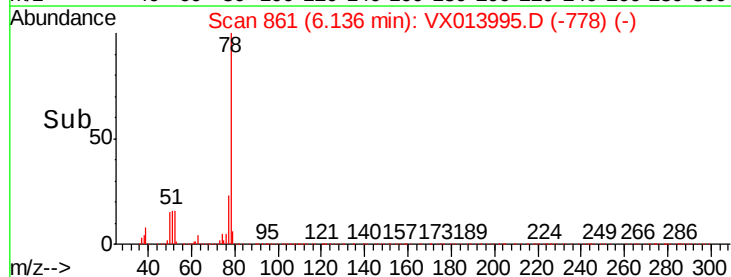
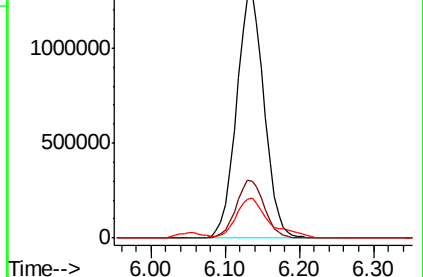
51 16.4 12.4 18.6

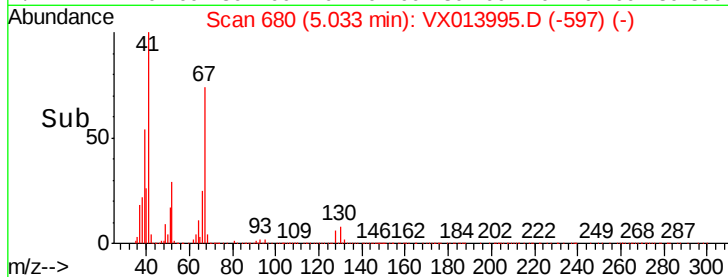
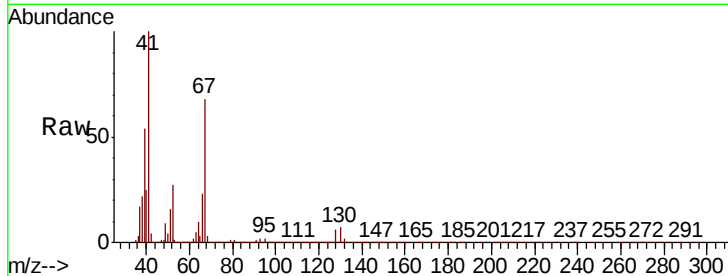
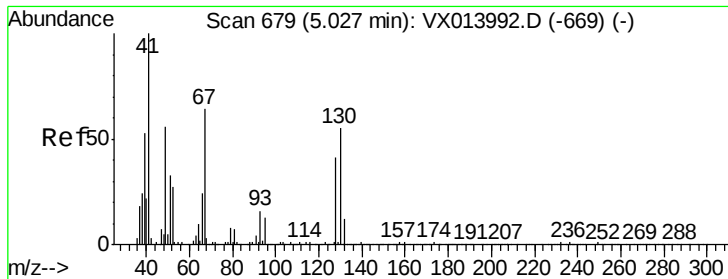


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

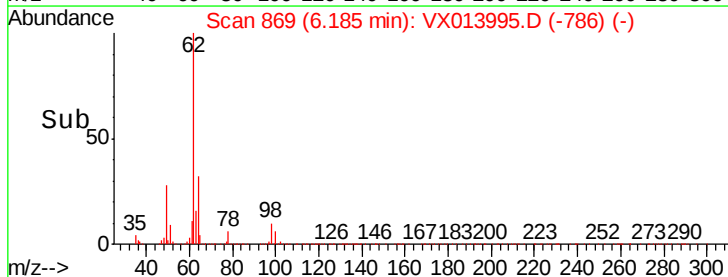
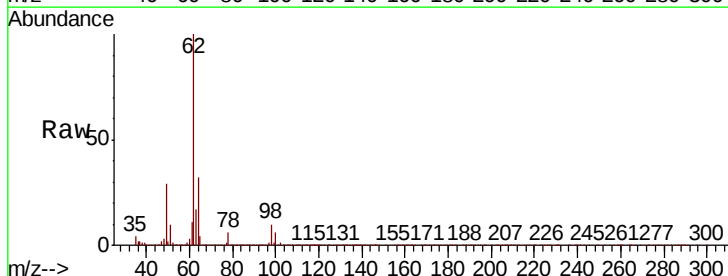
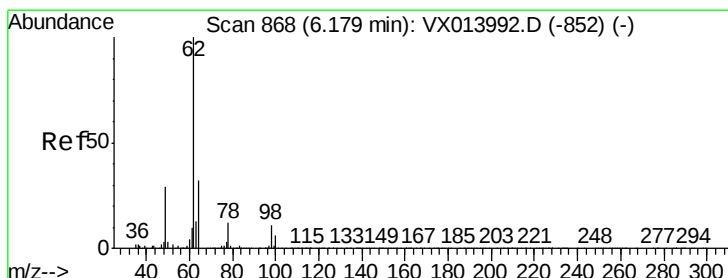
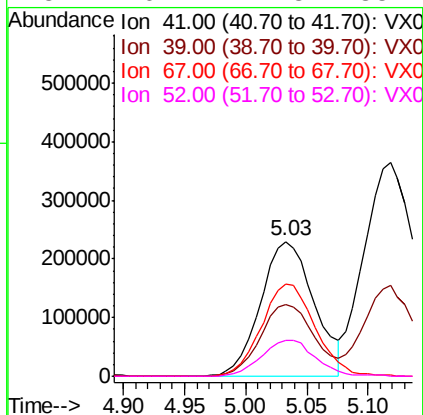




#35
Methacrylonitrile
Concen: 141.420 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX013995.D
Acq: 13 Dec 2019 00:30

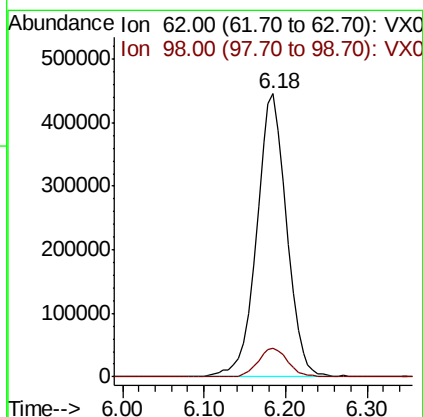
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

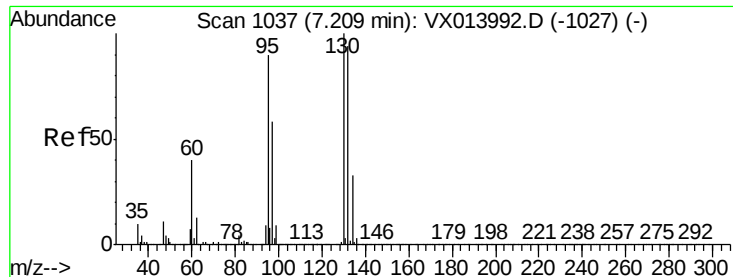
Tot Ion:	41	Resp:	698537
Ion	Ratio	Lower	Upper
41	100		
39	53.4	26.7	80.1
67	68.4	31.5	94.5
52	26.7	12.8	38.4



#36
1,2-Dichloroethane
Concen: 142.360 ug/l
RT: 6.18 min Scan# 869
Delta R.T. 0.01 min
Lab File: VX013995.D
Acq: 13 Dec 2019 00:30

Tgt Ion:	62	Resp:	1138460
Ion	Ratio	Lower	Upper
62	100		
98	10.2	8.4	12.6





#37

Trichloroethene

Concen: 147.188 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

Instrument :

MSVOA_X

ClientSampleId :

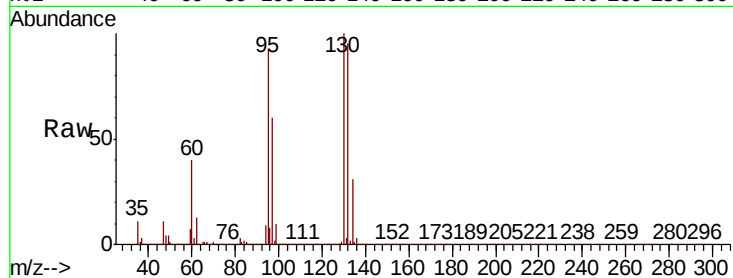
VSTDIC150

Tot Ion:130 Resp: 910574

Ion Ratio Lower Upper

130 100

95 92.5 71.7 107.5



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

400000

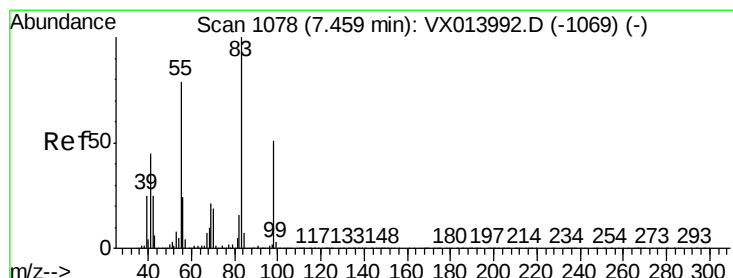
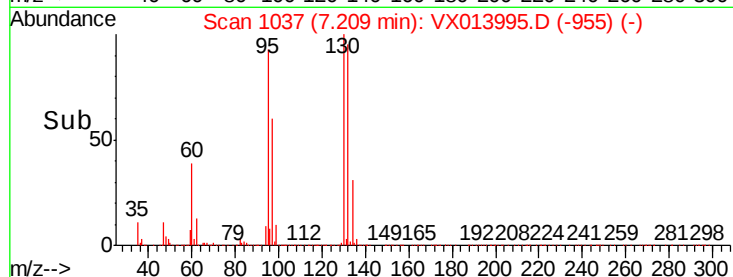
300000

200000

100000

0

Time-->



#38

Methylcyclohexane

Concen: 143.546 ug/l

RT: 7.46 min Scan# 1078

Delta R.T. -0.00 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

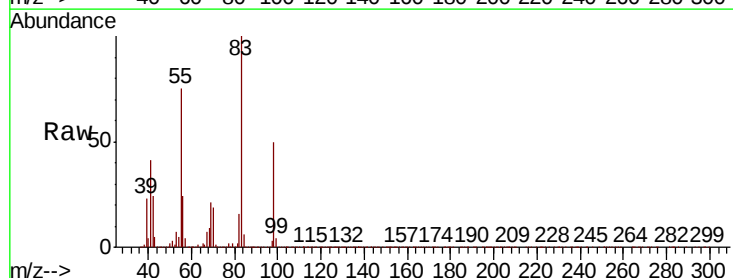
Tgt Ion: 83 Resp: 1320752

Ion Ratio Lower Upper

83 100

55 77.2 39.4 118.1

98 49.9 25.1 75.3



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

800000

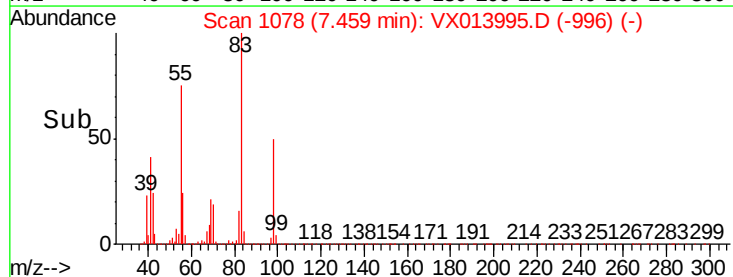
600000

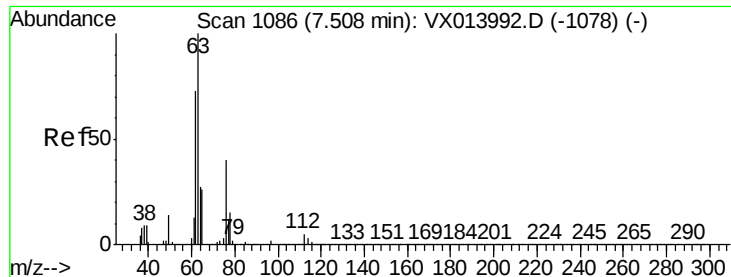
400000

200000

0

Time-->





#39

1,2-Dichloropropane

Concen: 146.466 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

Instrument :

MSVOA_X

ClientSampleId :

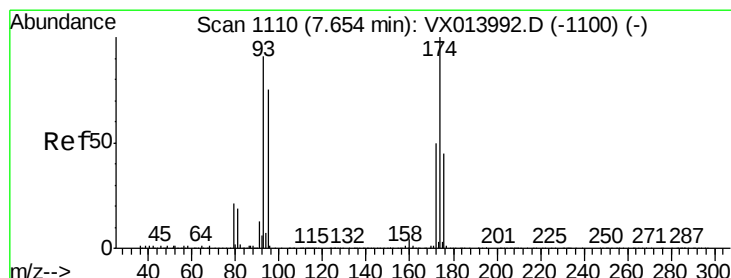
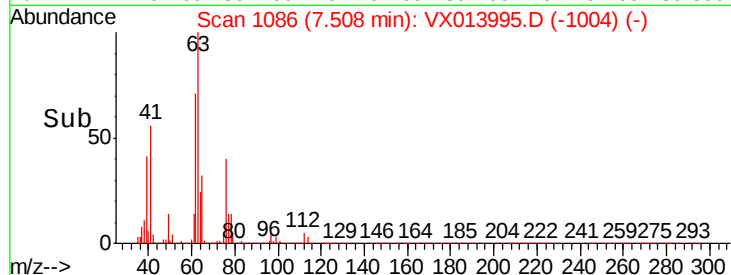
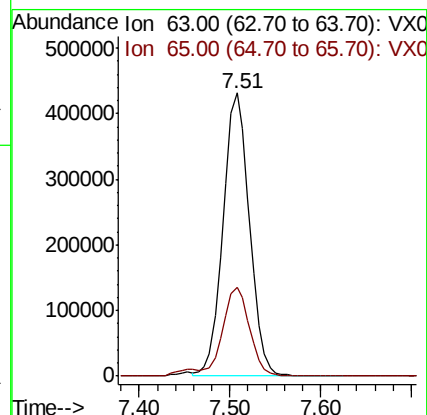
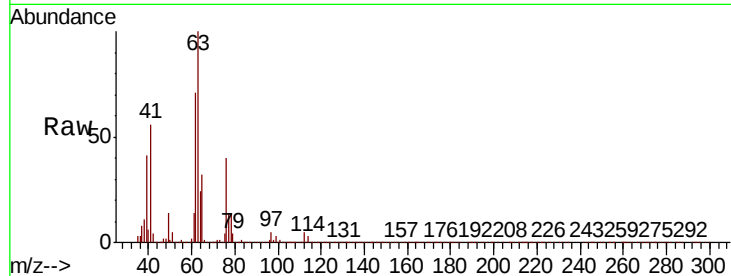
VSTDIC150

Tot Ion: 63 Resp: 872800

Ion Ratio Lower Upper

63 100

65 31.6 22.1 33.1



#40

Dibromomethane

Concen: 144.041 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

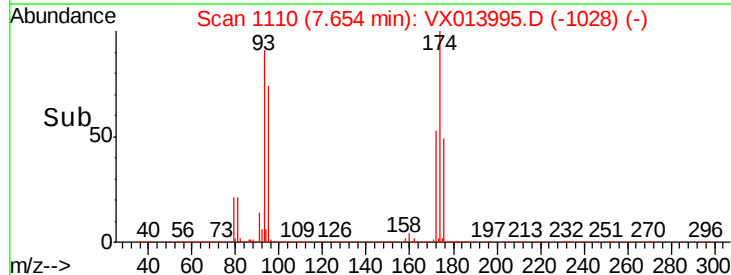
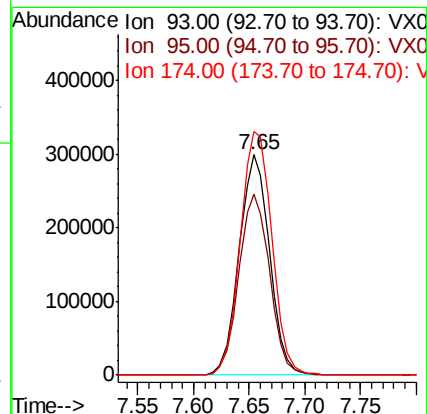
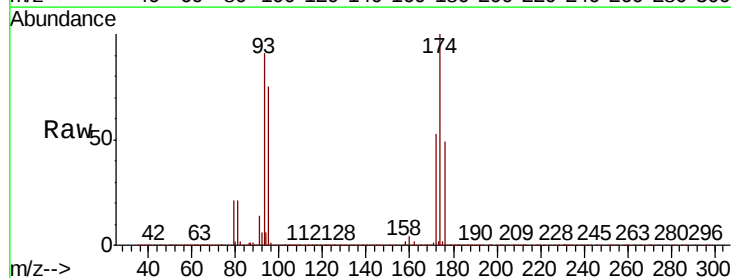
Tgt Ion: 93 Resp: 566358

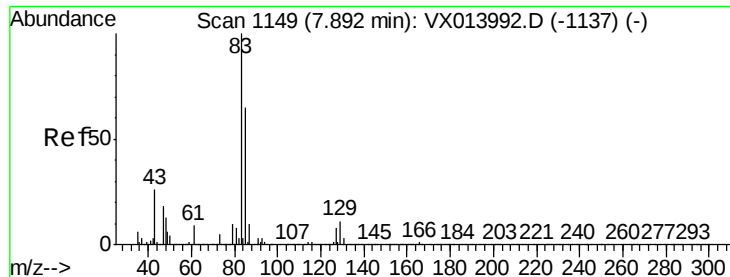
Ion Ratio Lower Upper

93 100

95 82.8 0.0 164.4

174 114.7 0.0 228.8





#41

Bromodichloromethane

Concen: 150.836 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

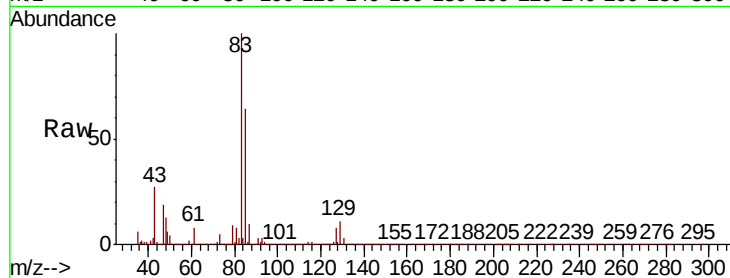
Tot Ion: 83 Resp: 1148884

Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.6	77.4
127	8.2	6.0	9.0

83 100

85 64.1 51.6 77.4

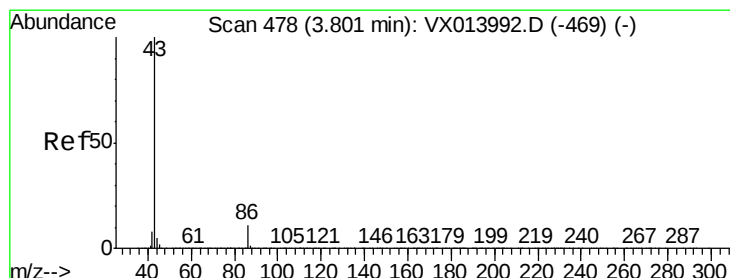
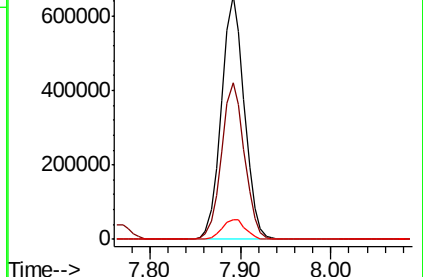
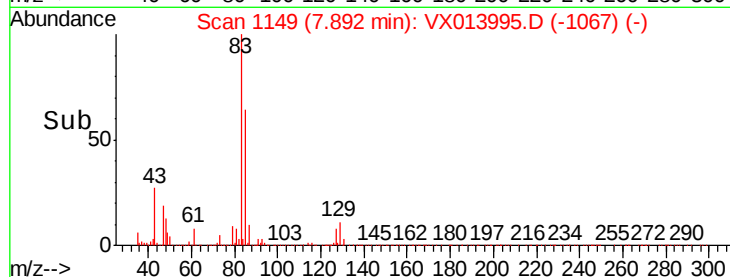
127 8.2 6.0 9.0



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 731.109 ug/l

RT: 3.81 min Scan# 479

Delta R.T. 0.01 min

Lab File: VX013995.D

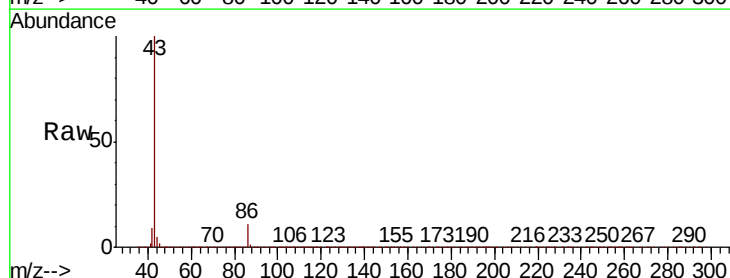
Acq: 13 Dec 2019 00:30

Tgt Ion: 43 Resp: 11492837

Ion	Ratio	Lower	Upper
43	100		
86	9.9	7.7	11.5

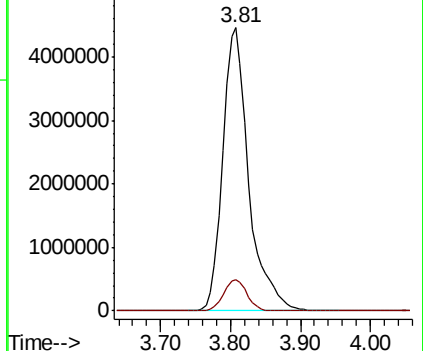
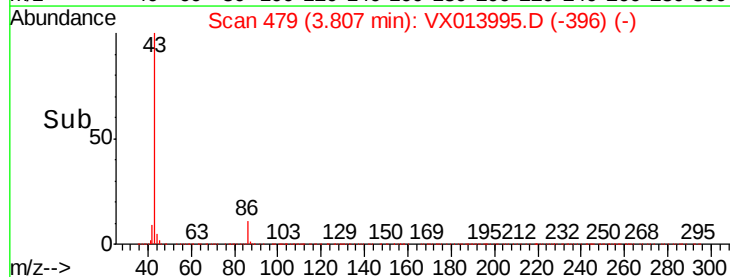
43 100

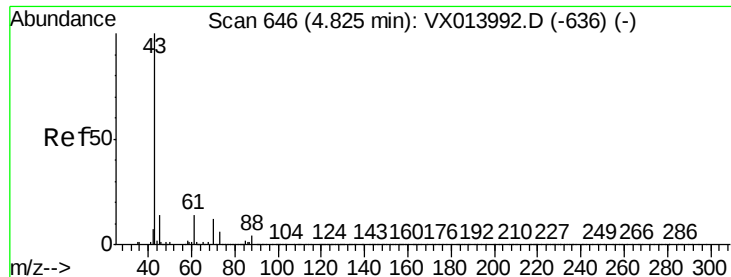
86 9.9 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

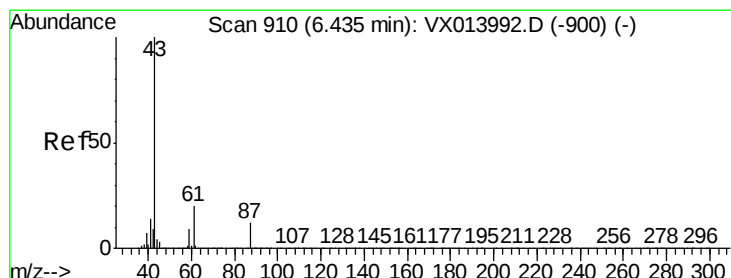
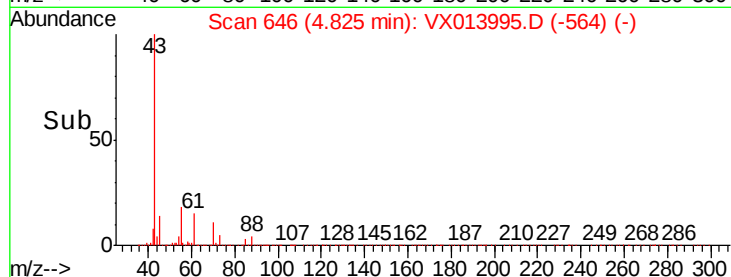
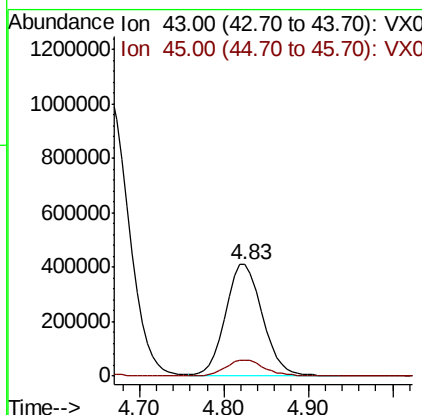
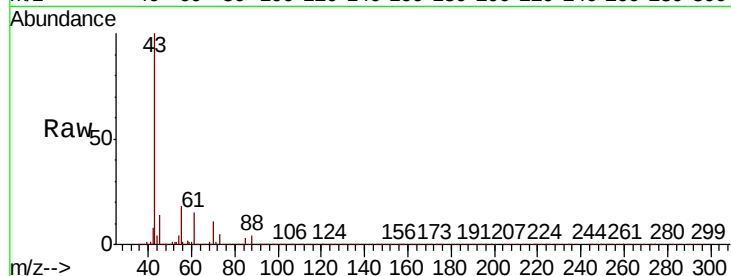




#43
Ethyl Acetate
Concen: 138.048 ug/l
RT: 4.83 min Scan# 646
Delta R.T. -0.00 min
Lab File: VX013995.D
Acq: 13 Dec 2019 00:30

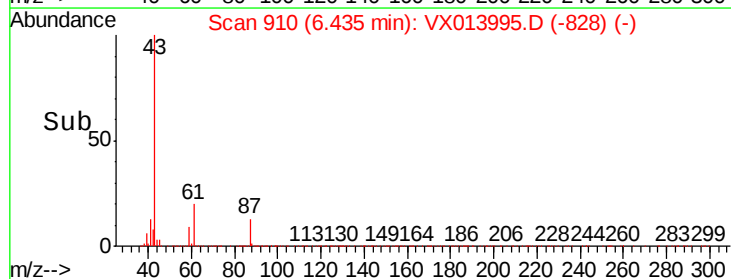
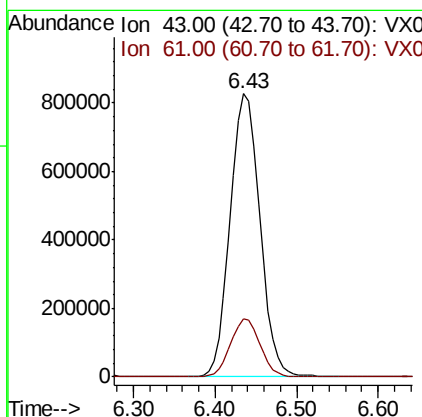
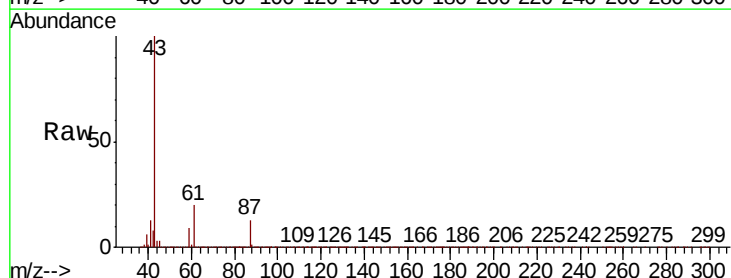
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

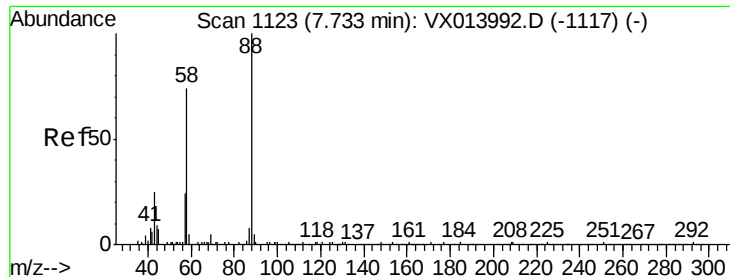
Tot Ion: 43 Resp: 1233806
Ion Ratio Lower Upper
43 100
45 14.9 11.8 17.8



#44
Isopropyl Acetate
Concen: 143.869 ug/l
RT: 6.43 min Scan# 910
Delta R.T. -0.00 min
Lab File: VX013995.D
Acq: 13 Dec 2019 00:30

Tgt Ion: 43 Resp: 2085284
Ion Ratio Lower Upper
43 100
61 20.5 15.9 23.9





#45

1,4-Dioxane

Concen: 2375.797 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

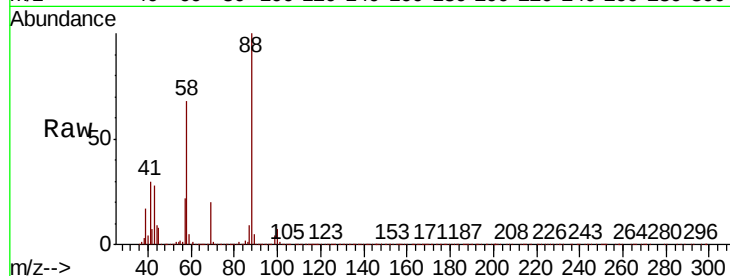
Tot Ion: 88 Resp: 374974

Ion Ratio Lower Upper

88 100

43 34.0 25.4 38.2

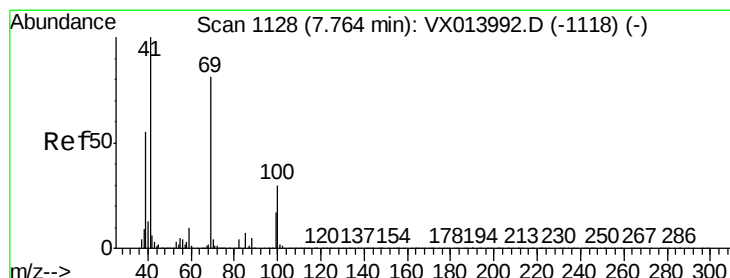
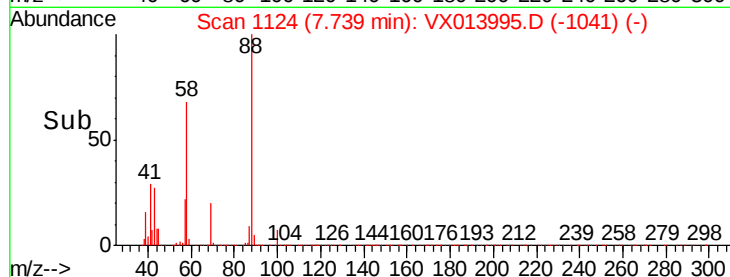
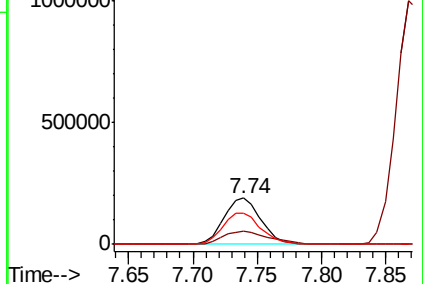
58 71.7 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#46

Methyl methacrylate

Concen: 144.516 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

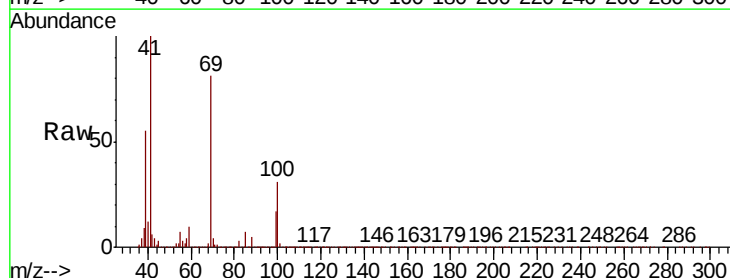
Tgt Ion: 41 Resp: 1043266

Ion Ratio Lower Upper

41 100

69 81.2 40.6 122.0

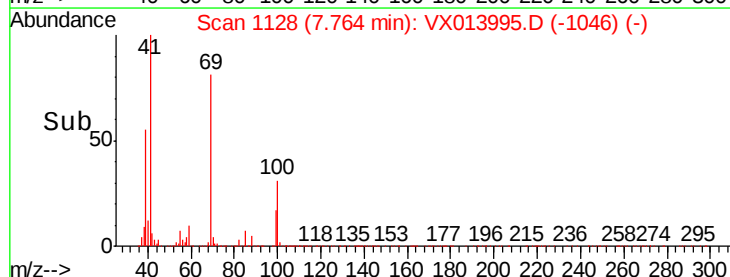
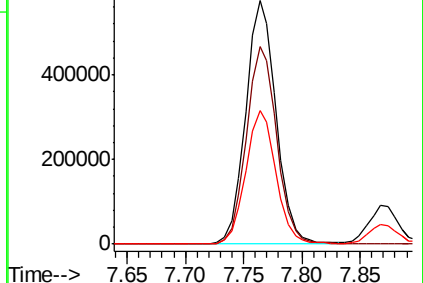
39 54.5 27.8 83.3

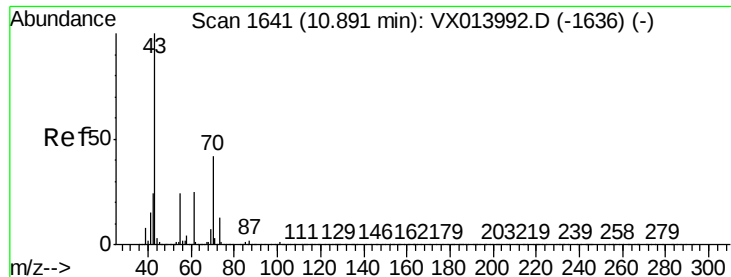


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#47

n-amvl Acetate

Concen: 156.829 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

Instrument :

MSVOA_X

ClientSampleId :

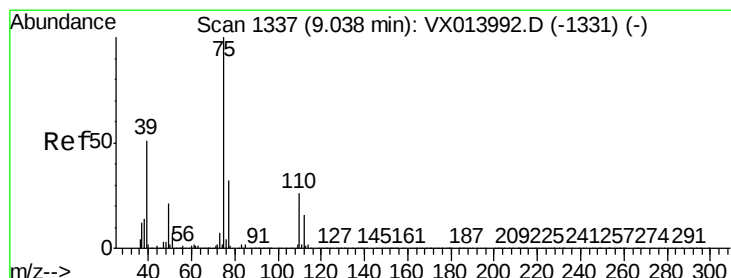
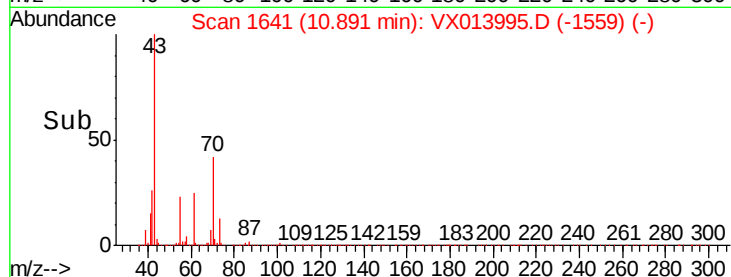
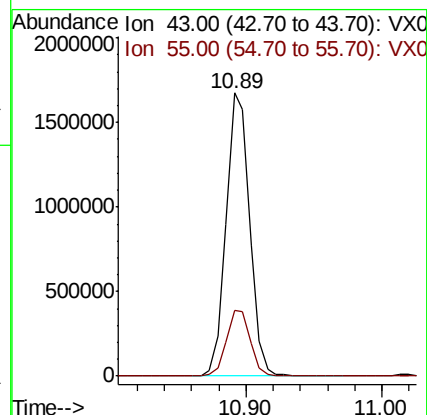
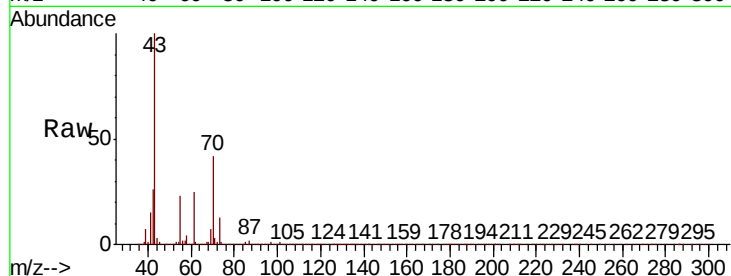
VSTDIC150

Tot Ion: 43 Resp: 2007195

Ion Ratio Lower Upper

43 100

55 23.4 19.4 29.2



#48

t-1,3-Dichloropropene

Concen: 154.700 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VX013995.D

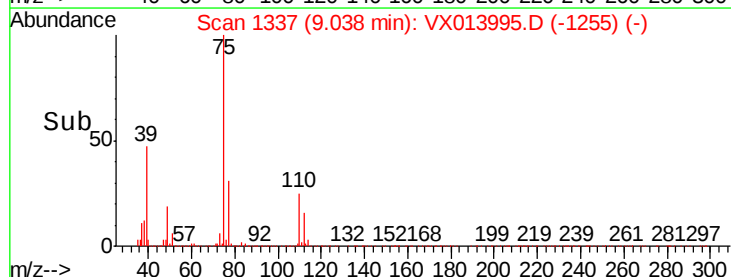
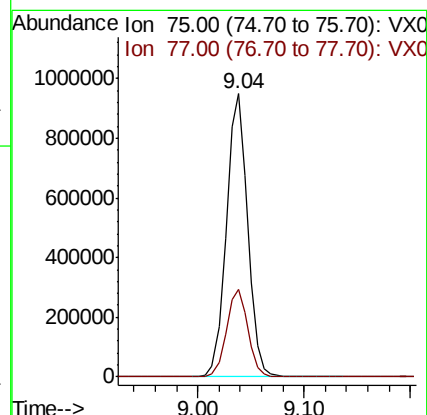
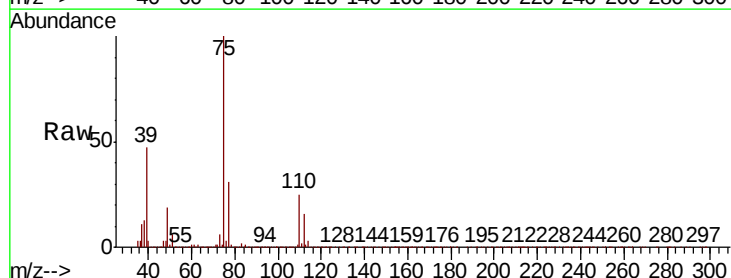
Acq: 13 Dec 2019 00:30

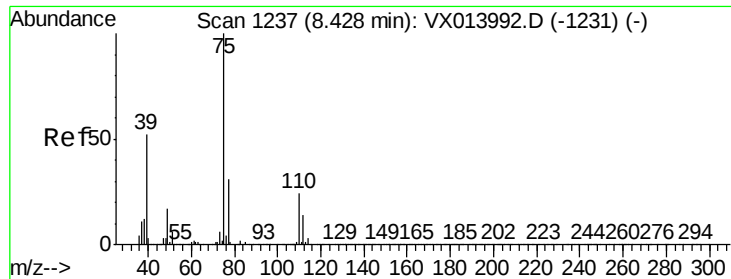
Tgt Ion: 75 Resp: 1318092

Ion Ratio Lower Upper

75 100

77 31.1 26.0 39.0



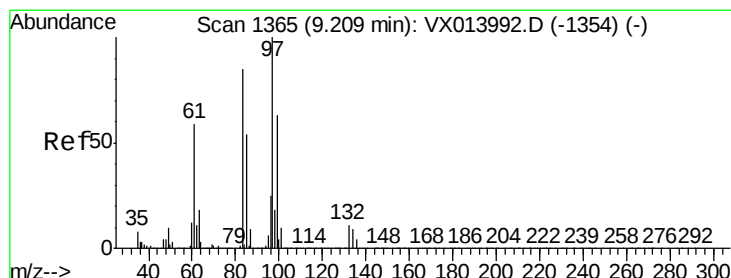
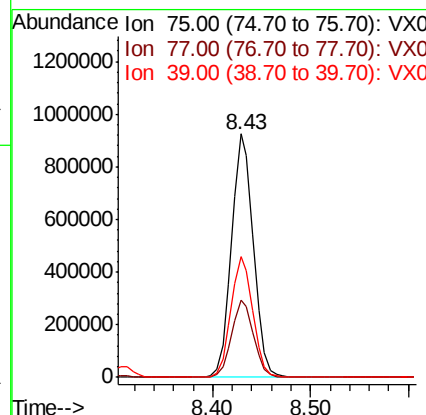
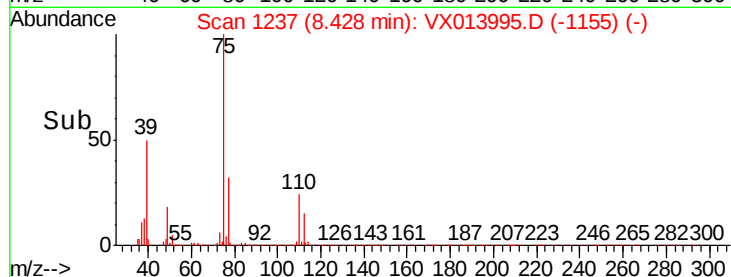
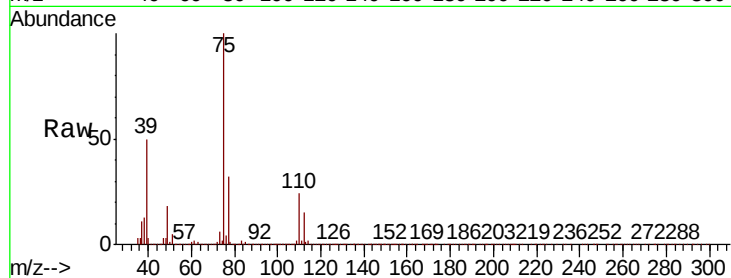


#49

cis-1,3-Dichloropropene
Concen: 152.741 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX013995.D
Acq: 13 Dec 2019 00:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

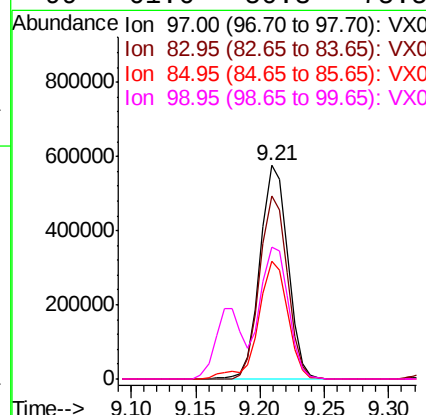
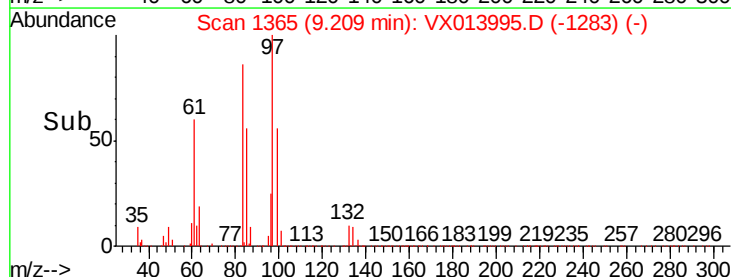
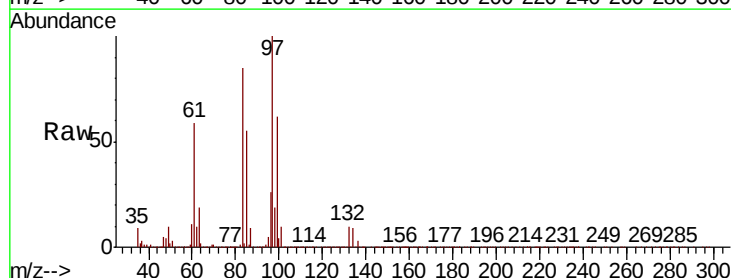
Tot Ion: 75 Resp: 1431241
Ion Ratio Lower Upper
75 100
77 31.7 24.8 37.2
39 49.6 41.1 61.7

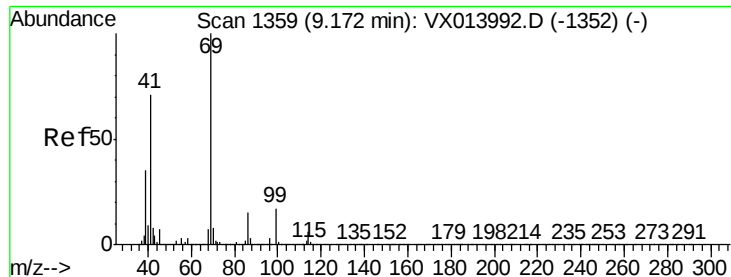


#50

1,1,2-Trichloroethane
Concen: 146.573 ug/l
RT: 9.21 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VX013995.D
Acq: 13 Dec 2019 00:30

Tgt Ion: 97 Resp: 857636
Ion Ratio Lower Upper
97 100
83 85.5 68.1 102.1
85 55.1 42.7 64.1
99 61.6 50.3 75.5





#51

Ethyl methacrylate

Concen: 153.271 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

Instrument :

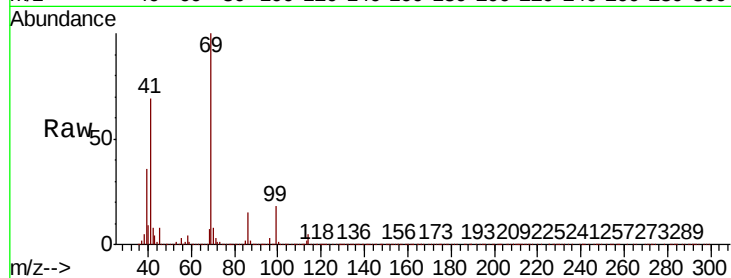
MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 69 Resp: 1472410

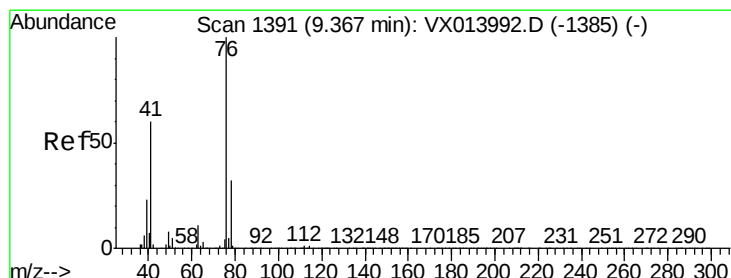
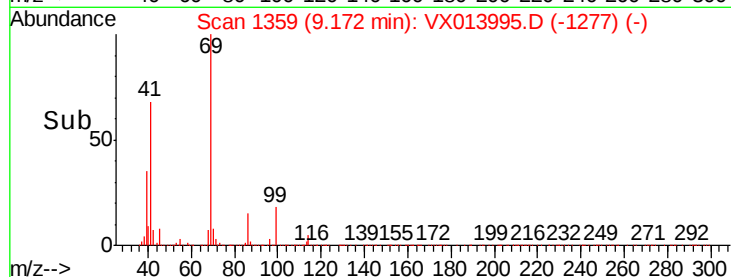
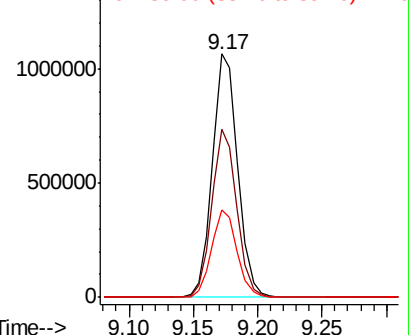
Ion	Ratio	Lower	Upper
69	100		
41	69.2	35.4	106.1
39	35.9	17.8	53.3



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



#52

1,3-Dichloropropane

Concen: 146.539 ug/l

RT: 9.37 min Scan# 1391

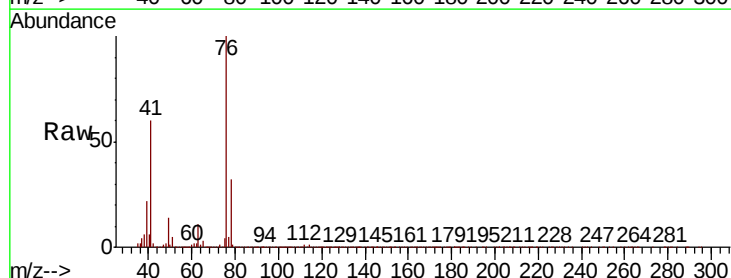
Delta R.T. -0.00 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

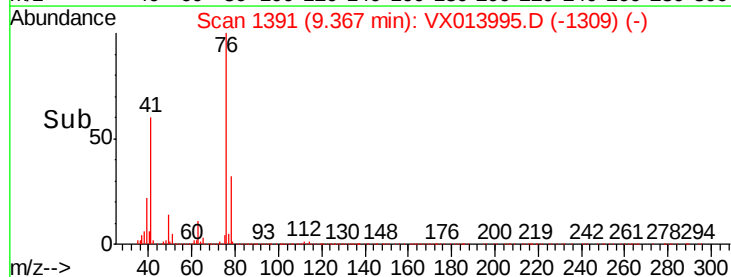
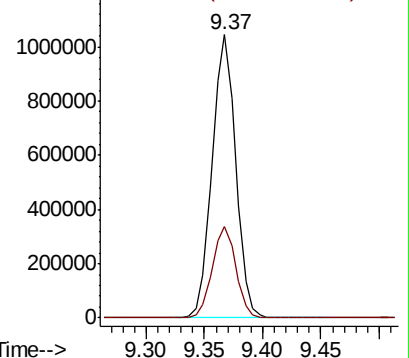
Tgt Ion: 76 Resp: 1467073

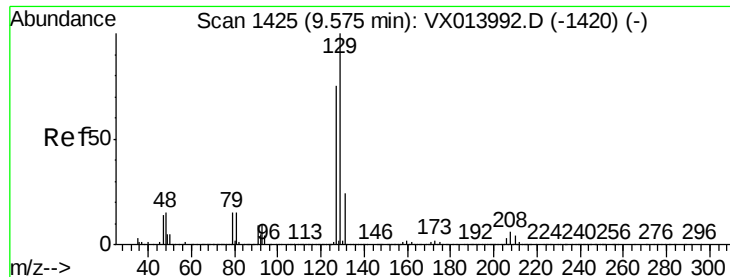
Ion	Ratio	Lower	Upper
76	100		
78	32.2	0.0	63.4



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 155.891 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.01 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

Instrument :

MSVOA_X

ClientSampleId :

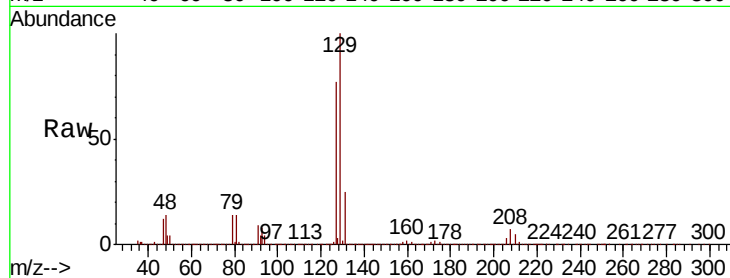
VSTDIC150

Tot Ion:129 Resp: 955809

Ion Ratio Lower Upper

129 100

127 77.4 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

9.58

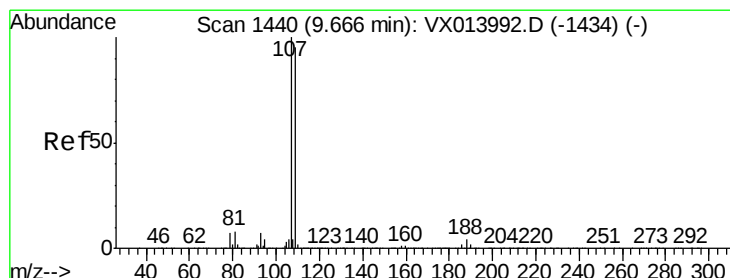
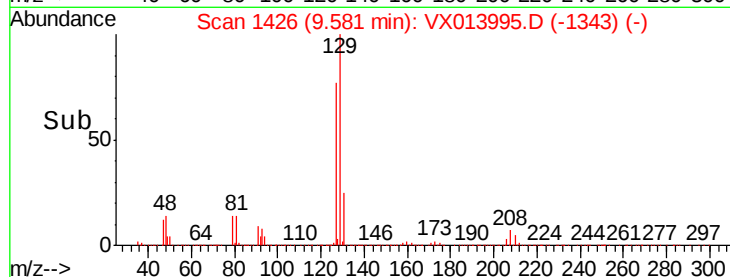
600000

400000

200000

0

Time-->



#54

1,2-Dibromoethane

Concen: 146.601 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013995.D

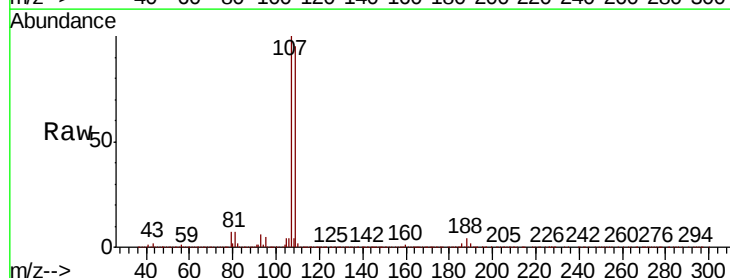
Acq: 13 Dec 2019 00:30

Tgt Ion:107 Resp: 908413

Ion Ratio Lower Upper

107 100

109 94.8 77.2 115.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.67

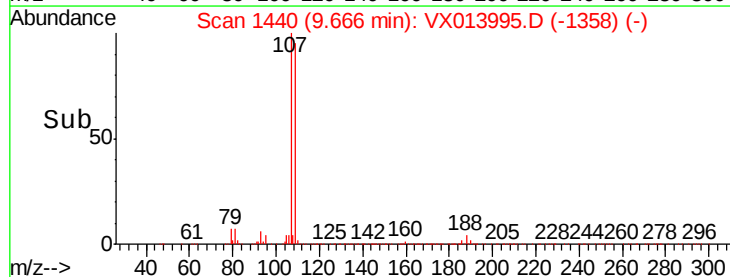
600000

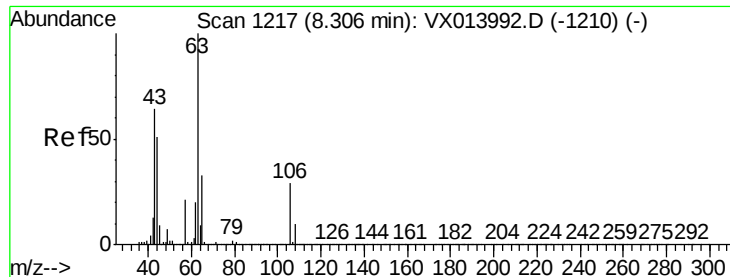
400000

200000

0

Time-->

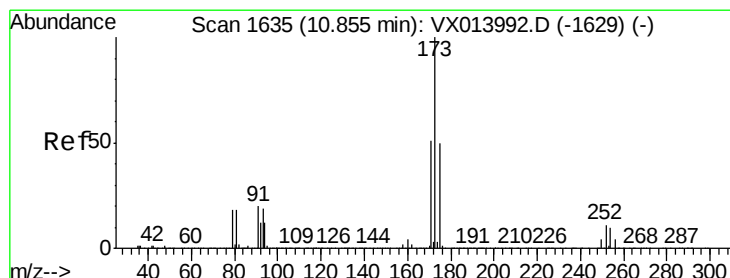
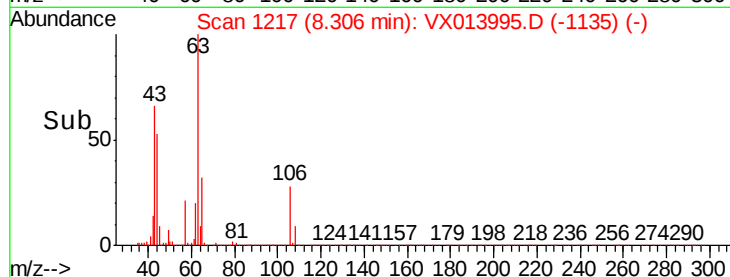
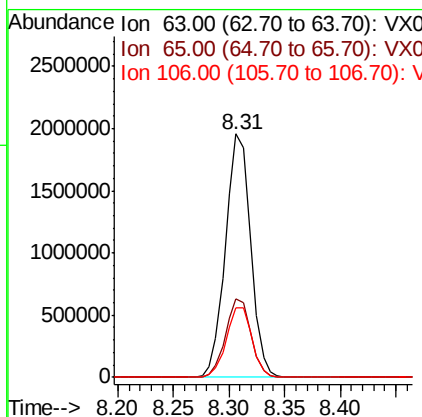
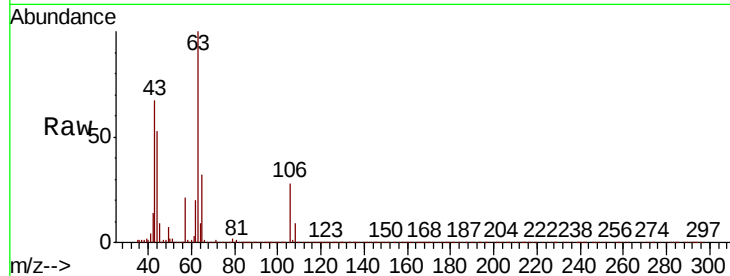




#55
2-Chloroethyl vinyl ether
Concen: 749.330 ug/l
RT: 8.31 min Scan# 1217
Delta R.T. -0.00 min
Lab File: VX013995.D
Acq: 13 Dec 2019 00:30

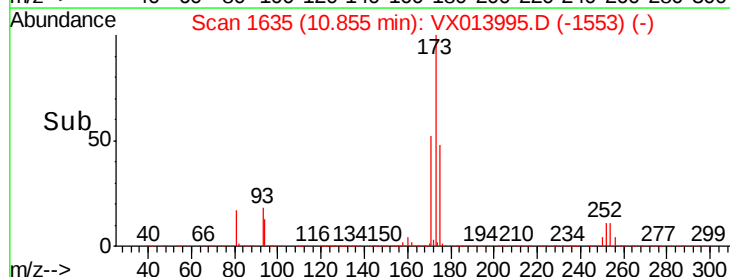
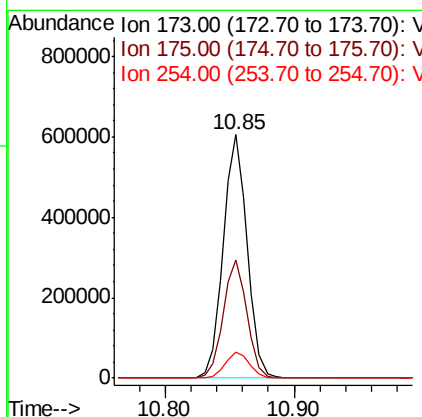
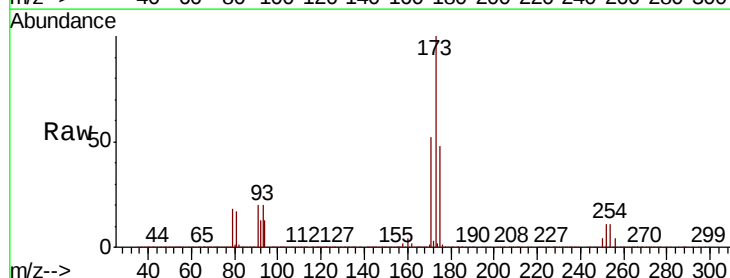
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

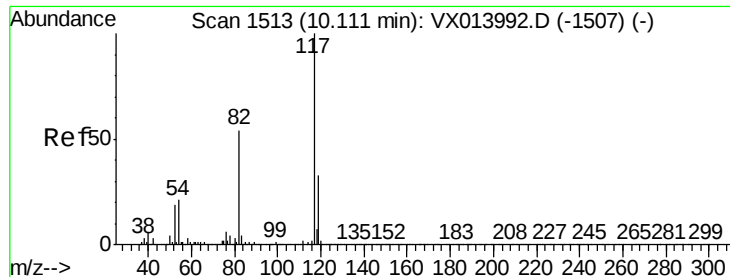
Tot Ion: 63 Resp: 3080487
Ion Ratio Lower Upper
63 100
65 32.2 25.8 38.6
106 29.0 22.9 34.3



#56
Bromoform
Concen: 162.625 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VX013995.D
Acq: 13 Dec 2019 00:30

Tgt Ion: 173 Resp: 790529
Ion Ratio Lower Upper
173 100
175 48.1 39.5 59.3
254 10.7 8.2 12.4

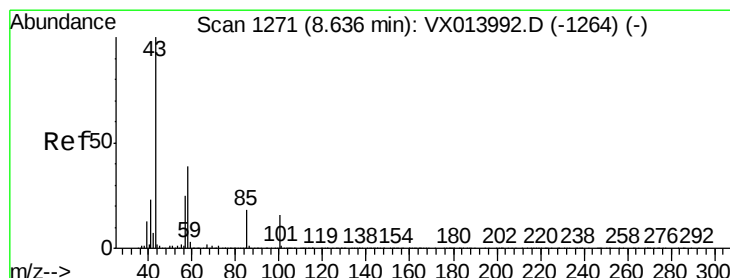
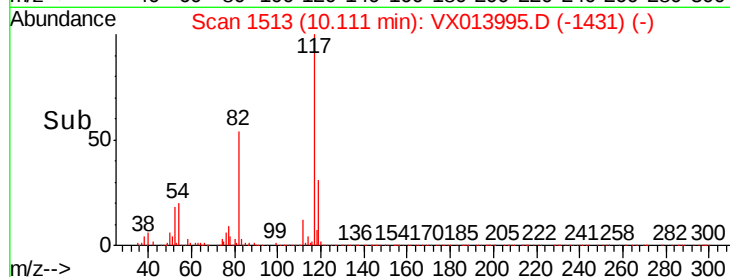
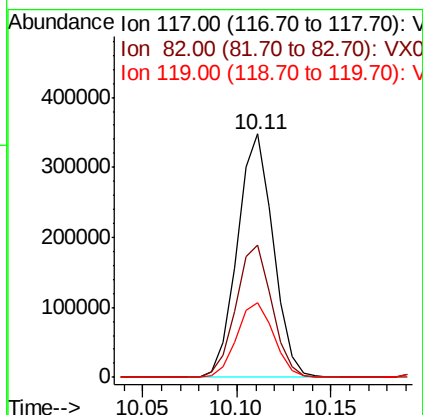
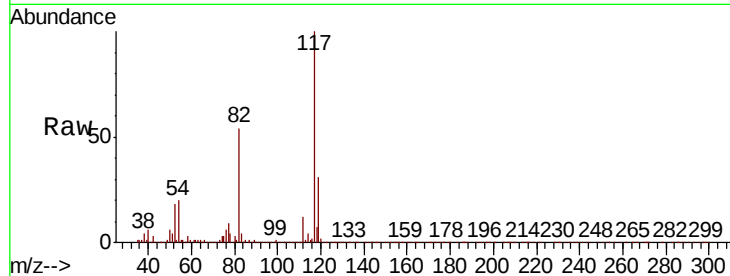




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013995.D
Acq: 13 Dec 2019 00:30

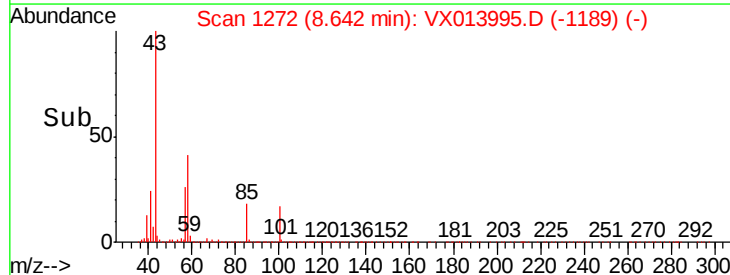
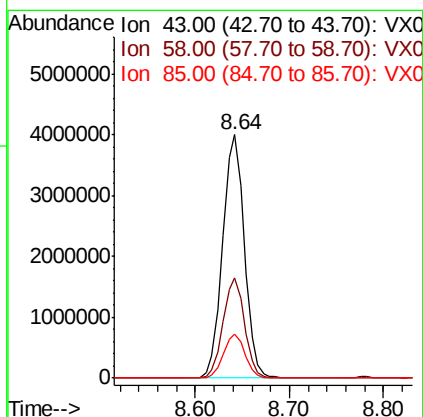
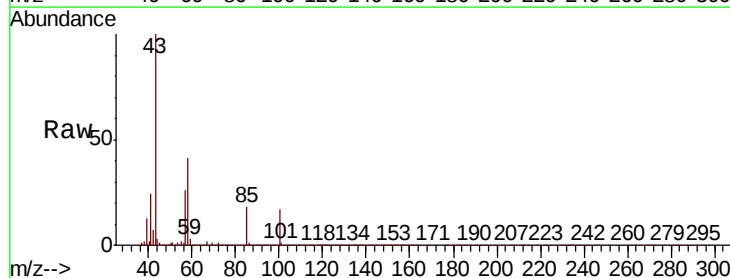
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

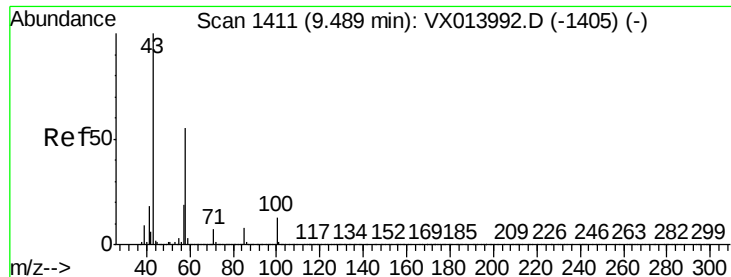
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	43.8	65.6
119	31.6	25.8	38.6



#58
4-Methyl-2-Pentanone
Concen: 679.618 ug/l
RT: 8.64 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VX013995.D
Acq: 13 Dec 2019 00:30

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.6	31.2	46.8
85	17.9	14.2	21.2



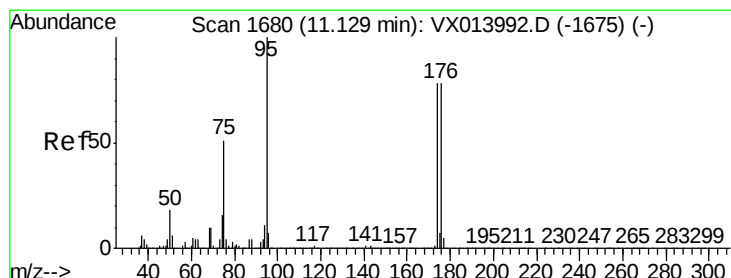
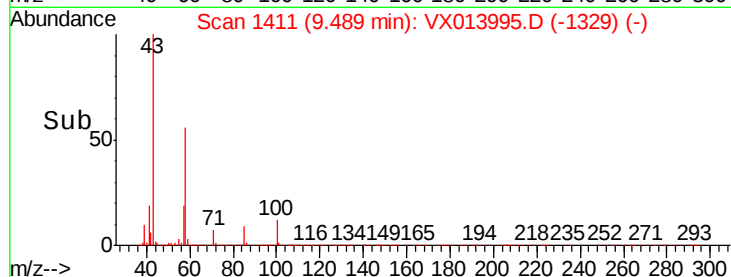
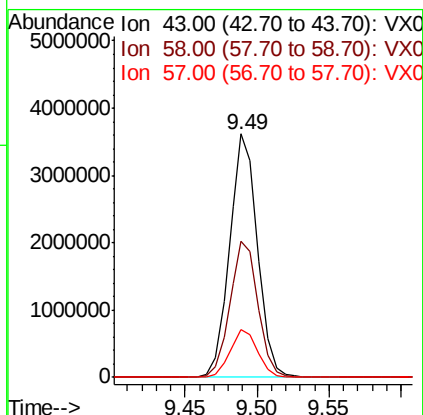
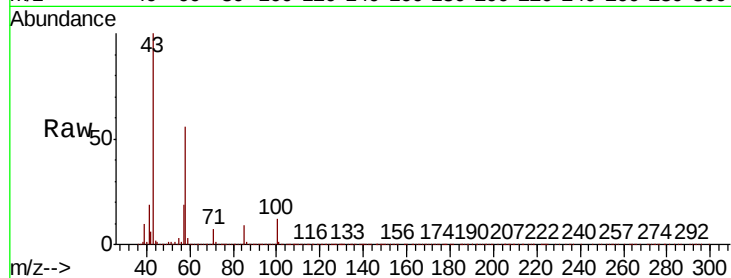


#59
2-Hexanone
Concen: 663.419 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. -0.00 min
Lab File: VX013995.D
Acq: 13 Dec 2019 00:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 4890572

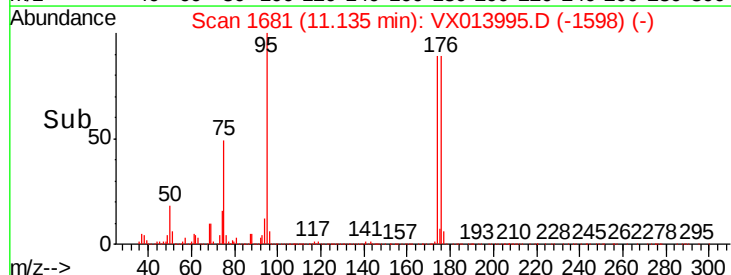
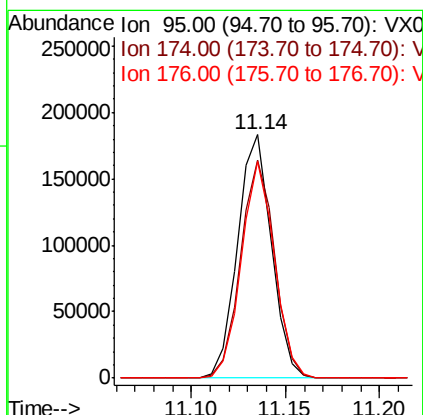
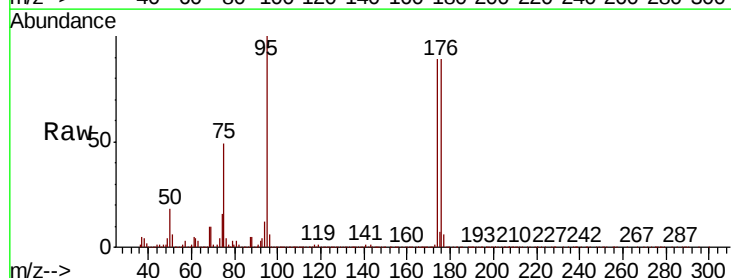
Ion	Ratio	Lower	Upper
43	100		
58	56.5	43.8	65.6
57	19.4	15.4	23.0

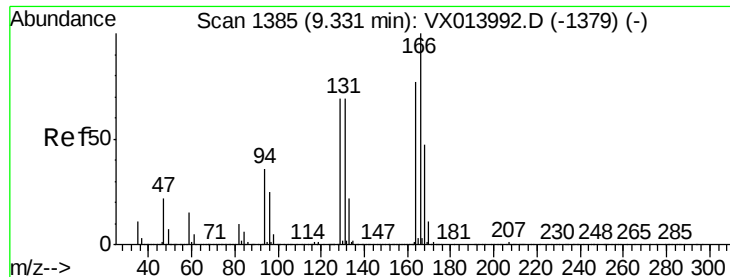


#60
4-Bromofluorobenzene
Concen: 30.903 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX013995.D
Acq: 13 Dec 2019 00:30

Tgt Ion: 95 Resp: 228450

Ion	Ratio	Lower	Upper
95	100		
174	89.8	70.2	105.2
176	86.8	68.3	102.5

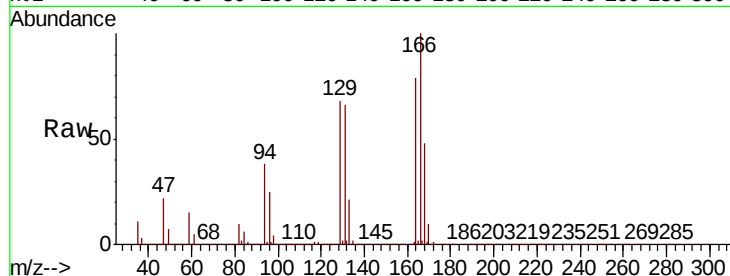




#61
Tetrachloroethene
Concen: 148.445 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013995.D
Acq: 13 Dec 2019 00:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
164	100		
166	126.8	104.2	156.2
129	86.3	71.6	107.4
131	83.8	71.7	107.5



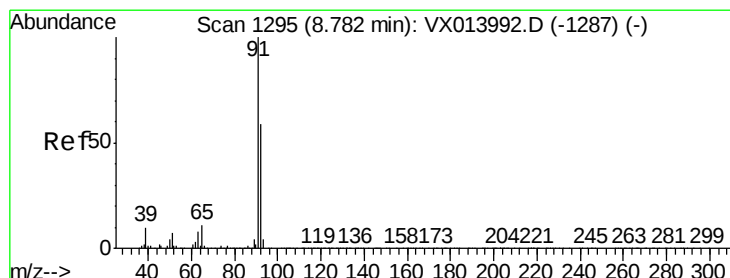
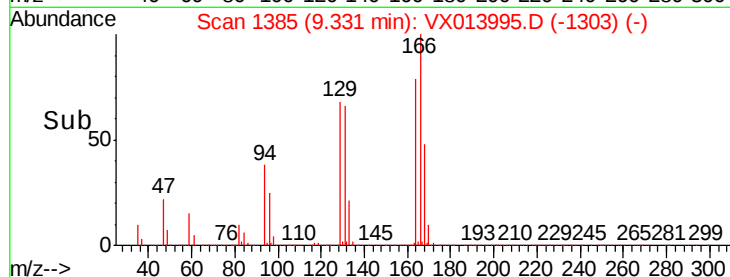
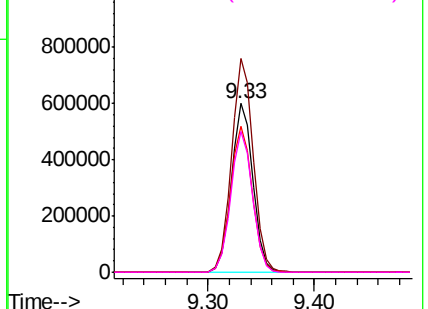
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

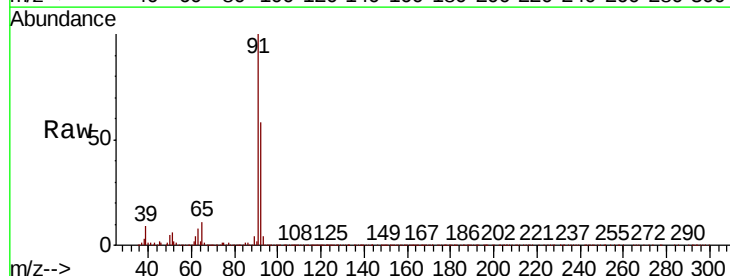
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 141.315 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VX013995.D
Acq: 13 Dec 2019 00:30

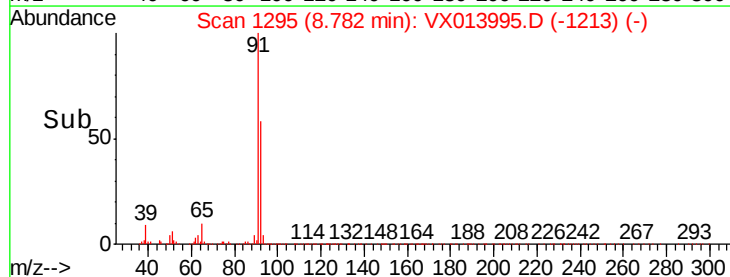
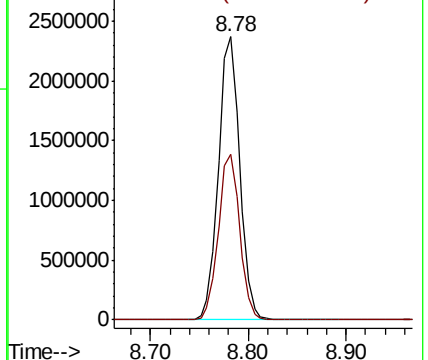
Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.7	46.4	69.6

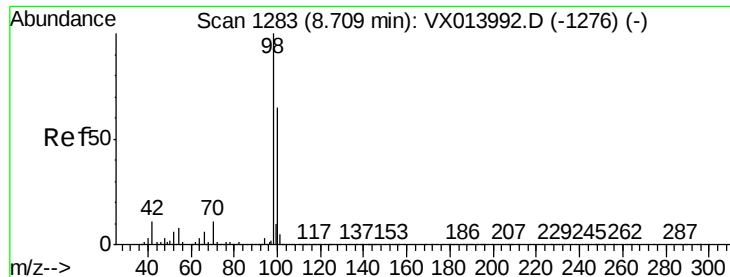


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 28.935 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

Instrument :

MSVOA_X

ClientSampleId :

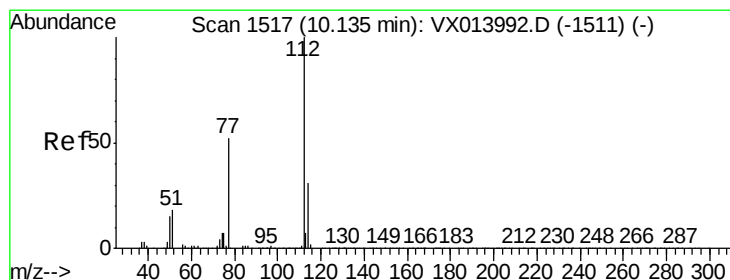
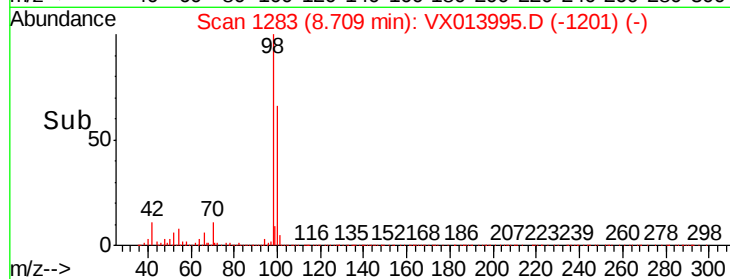
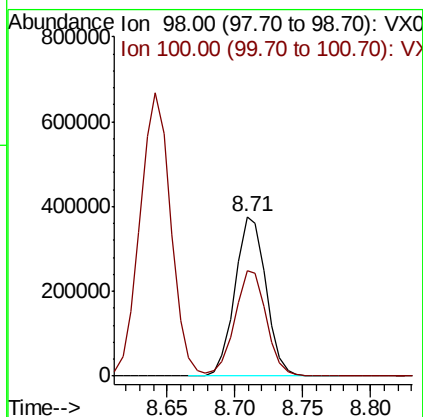
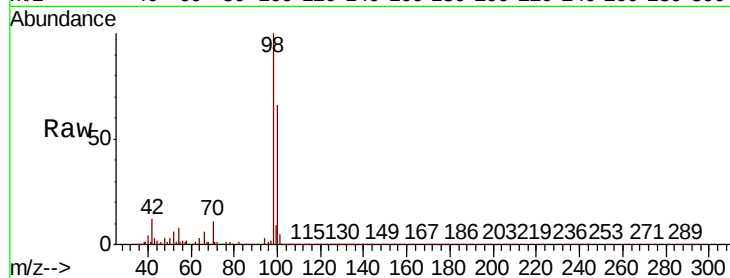
VSTDIC150

Tot Ion: 98 Resp: 600331

Ion Ratio Lower Upper

98 100

100 66.6 52.2 78.2



#64

Chlorobenzene

Concen: 144.874 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX013995.D

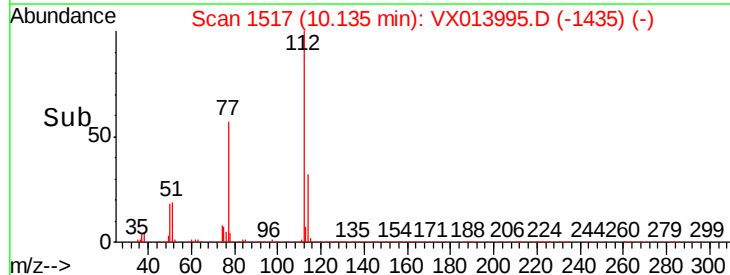
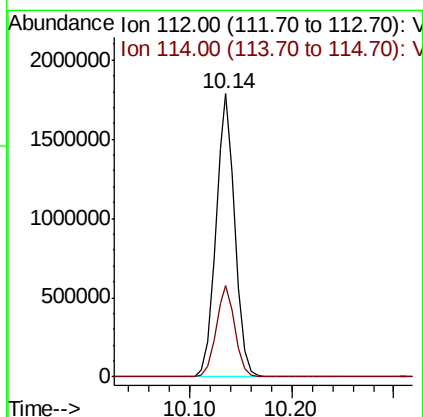
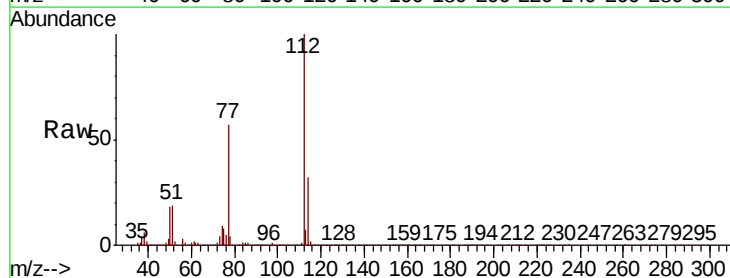
Acq: 13 Dec 2019 00:30

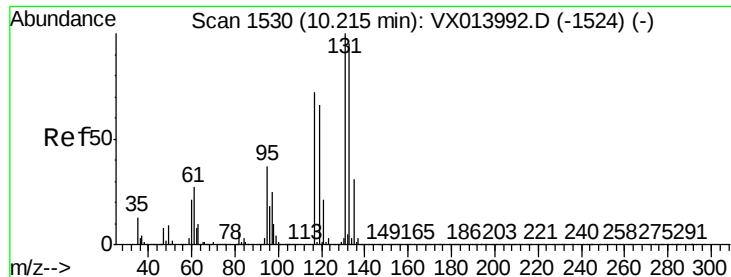
Tgt Ion: 112 Resp: 2313948

Ion Ratio Lower Upper

112 100

114 32.1 24.4 36.6

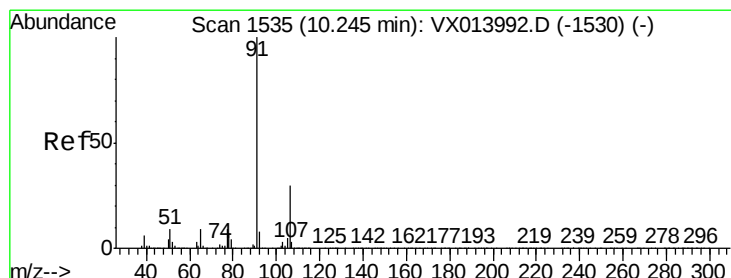
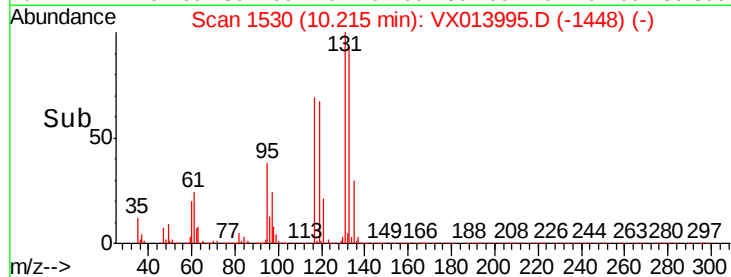
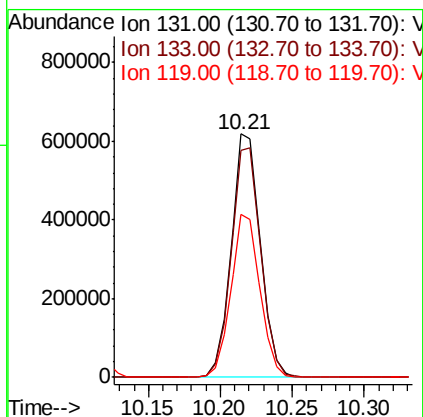
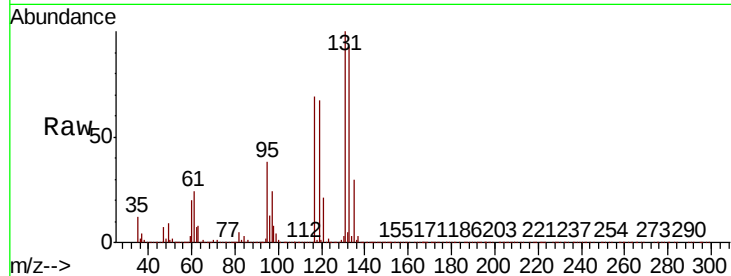




#65
 1,1,1,2-Tetrachloroethane
 Concen: 147.381 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VX013995.D
 Acq: 13 Dec 2019 00:30

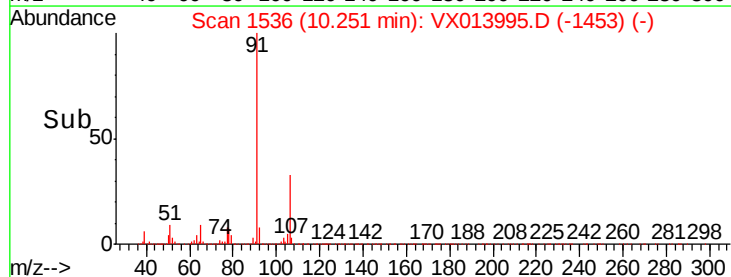
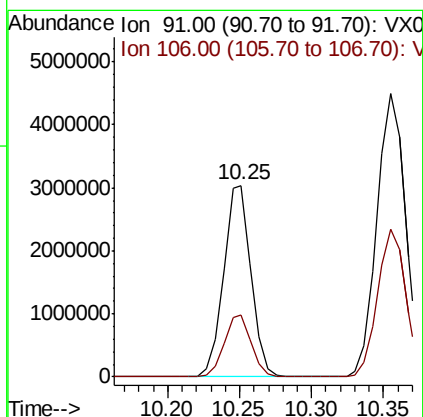
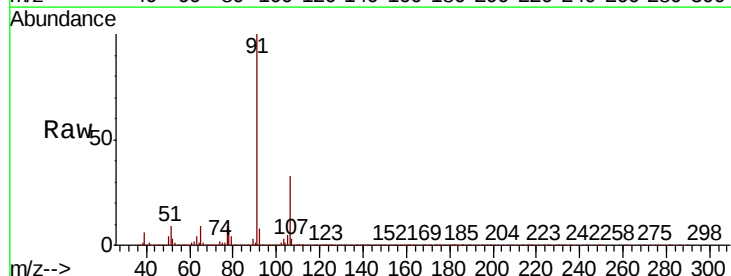
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

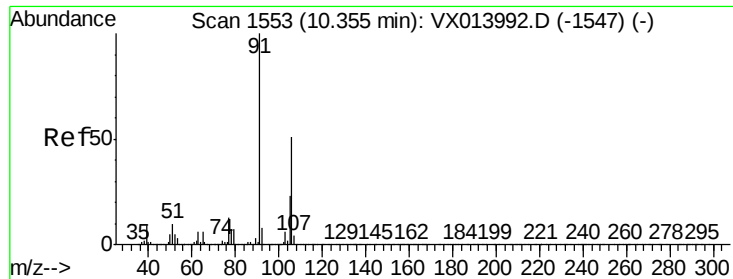
Tot Ion:131 Resp: 874779
 Ion Ratio Lower Upper
 131 100
 133 95.4 0.0 189.8
 119 66.5 0.0 132.2



#66
 Ethyl Benzene
 Concen: 144.887 ug/l
 RT: 10.25 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VX013995.D
 Acq: 13 Dec 2019 00:30

Tgt Ion: 91 Resp: 4049535
 Ion Ratio Lower Upper
 91 100
 106 32.6 24.2 36.2

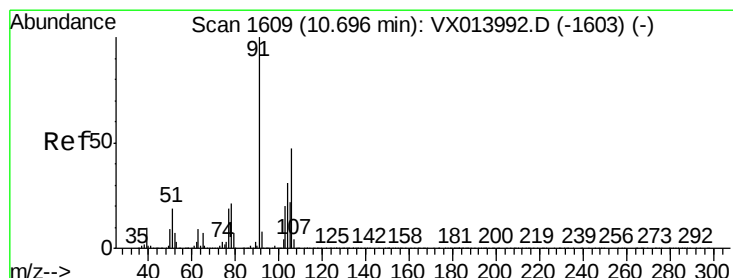
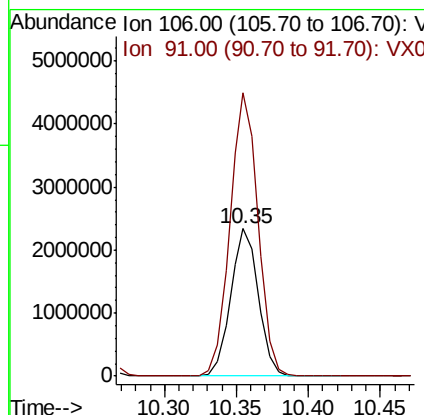
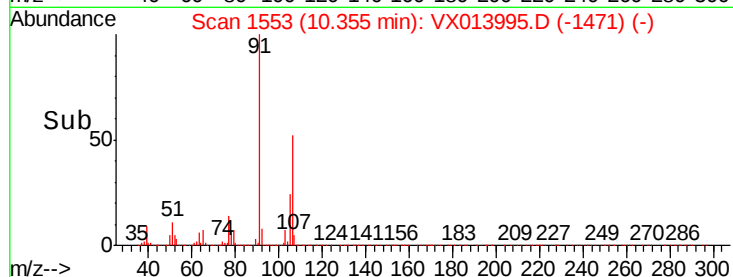
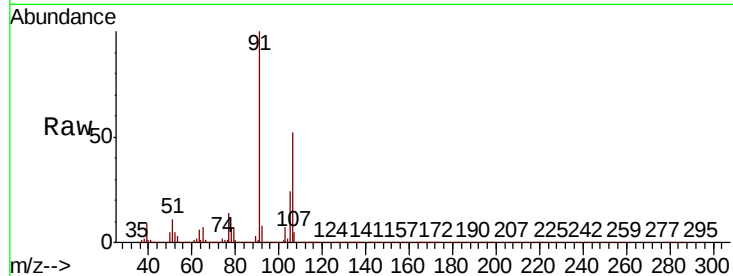




#67
m/p-Xylenes
Concen: 289.937 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013995.D
Acq: 13 Dec 2019 00:30

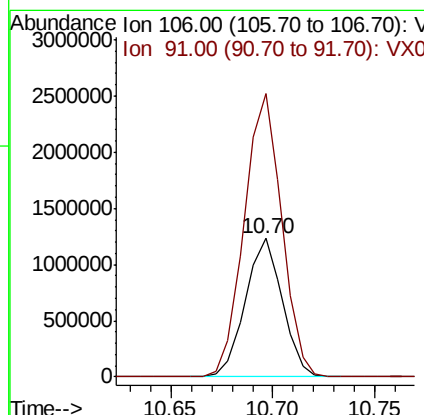
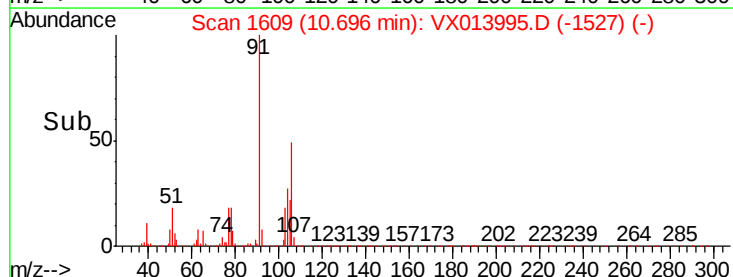
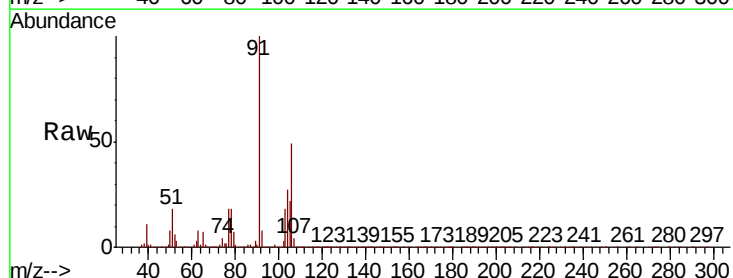
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

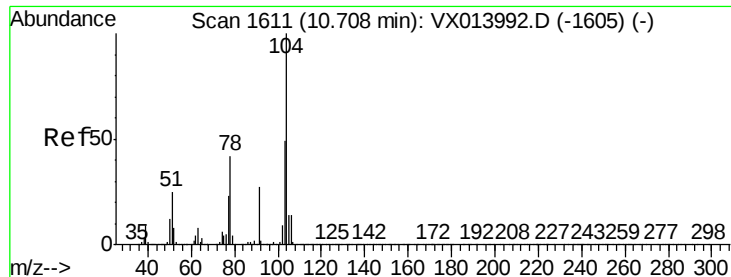
Tot Ion:106 Resp: 3128867
Ion Ratio Lower Upper
106 100
91 195.2 159.3 238.9



#68
o-Xylene
Concen: 148.177 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013995.D
Acq: 13 Dec 2019 00:30

Tgt Ion:106 Resp: 1551131
Ion Ratio Lower Upper
106 100
91 207.3 104.8 314.6

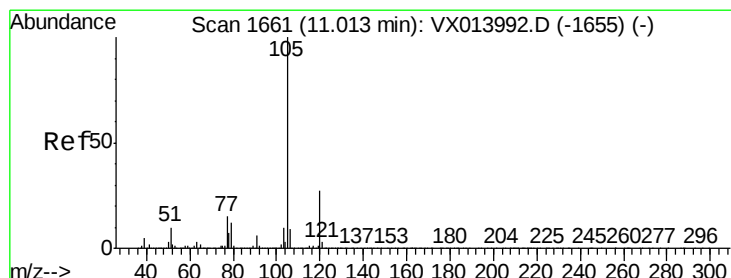
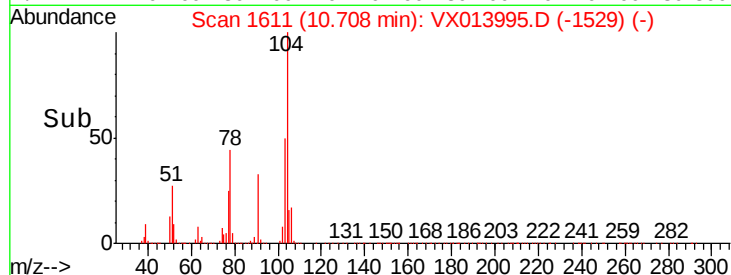
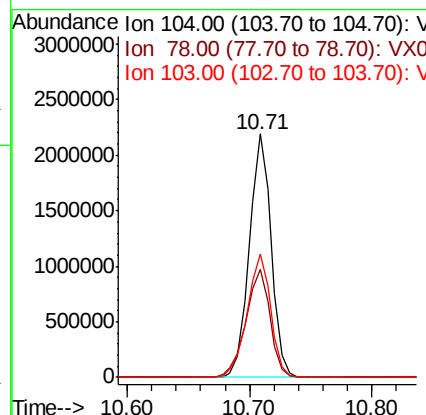
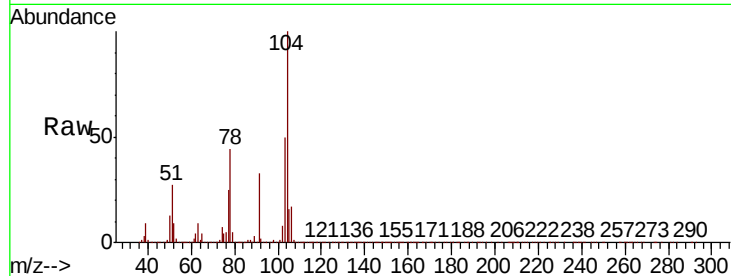




#69
Stvrene
Concen: 152.631 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013995.D
Acq: 13 Dec 2019 00:30

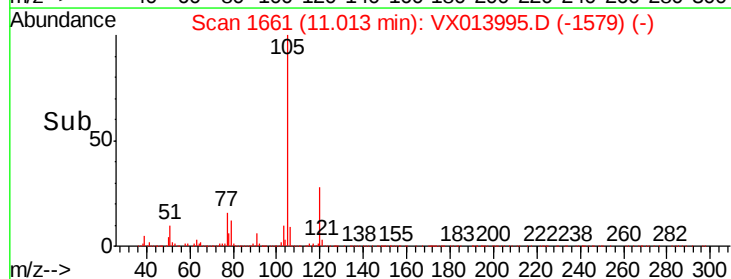
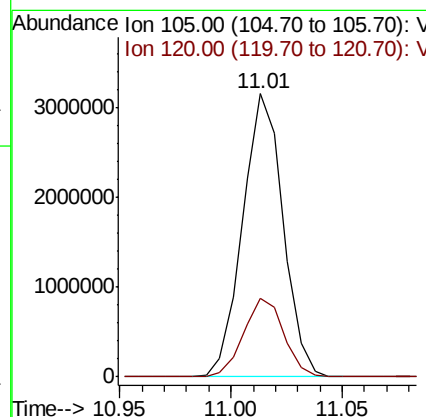
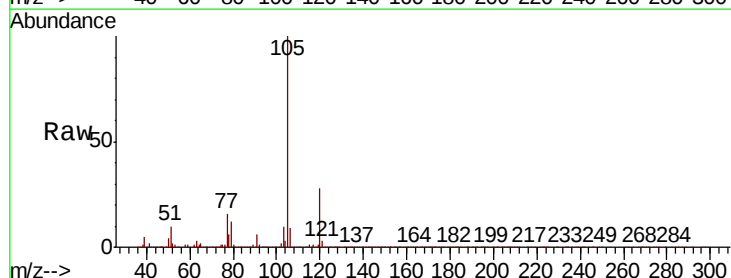
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

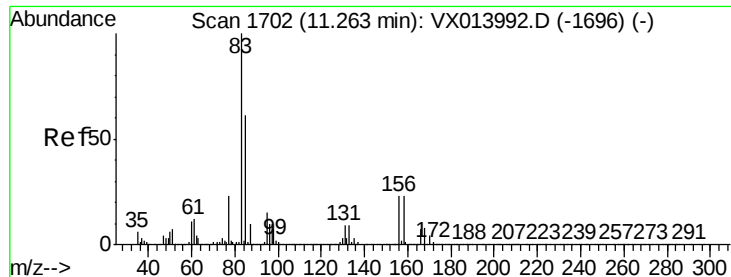
Tot Ion:104 Resp: 2711386
Ion Ratio Lower Upper
104 100
78 48.9 38.9 58.3
103 54.3 44.2 66.2



#70
Isopropylbenzene
Concen: 145.997 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX013995.D
Acq: 13 Dec 2019 00:30

Tgt Ion:105 Resp: 3998473
Ion Ratio Lower Upper
105 100
120 27.7 19.1 35.5





#71

1,1,2,2-Tetrachloroethane

Concen: 145.744 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

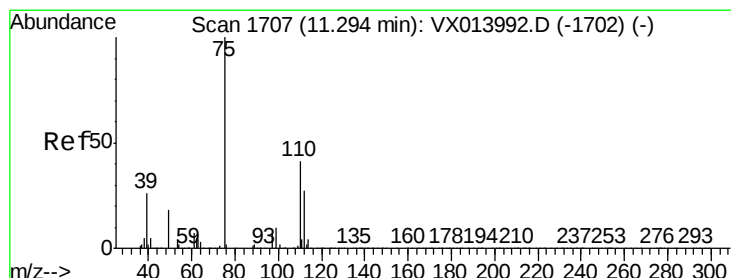
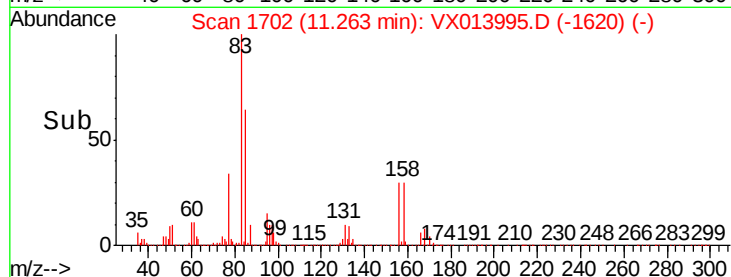
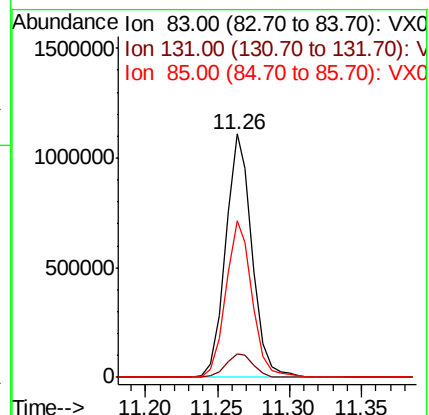
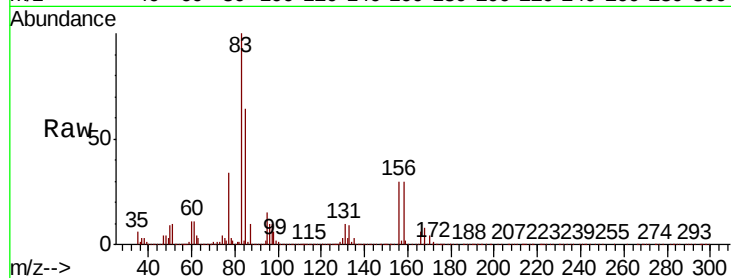
Tot Ion: 83 Resp: 1427959

Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.9	14.7
85	64.3	31.6	94.7

83 100

131 10.0 4.9 14.7

85 64.3 31.6 94.7



#72

1,2,3-Trichloropropane

Concen: 191.501 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX013995.D

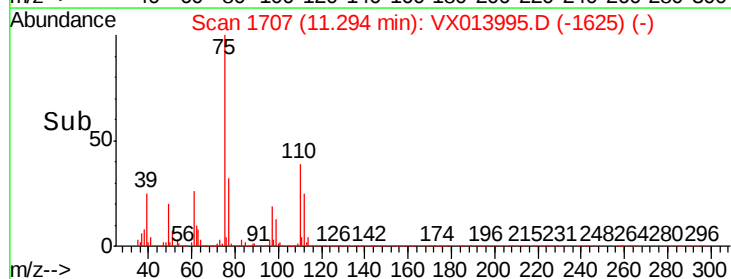
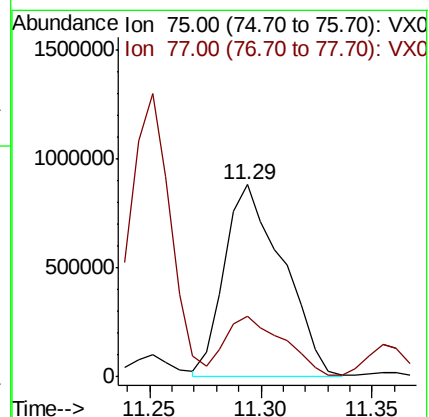
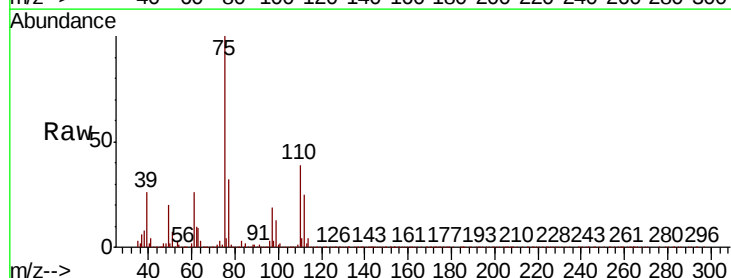
Acq: 13 Dec 2019 00:30

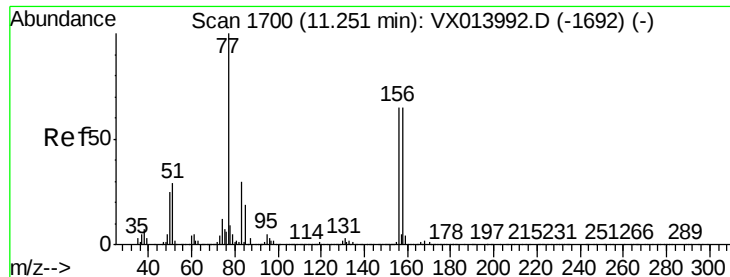
Tgt Ion: 75 Resp: 1624169

Ion	Ratio	Lower	Upper
75	100		
77	31.5	0.0	68.4

75 100

77 31.5 0.0 68.4





#73

Bromobenzene

Concen: 150.380 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

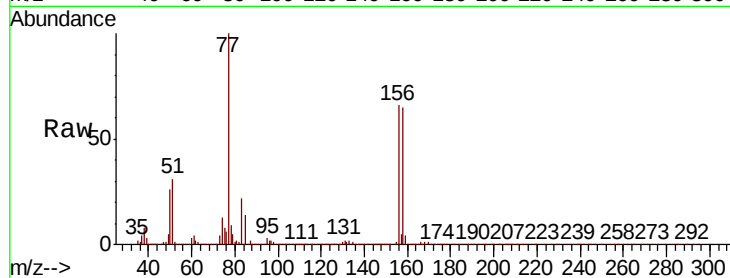
Tot Ion:156 Resp: 1089988

Ion Ratio Lower Upper

156 100

77 152.2 0.0 304.6

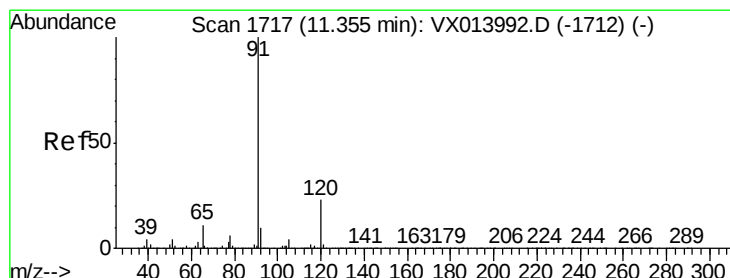
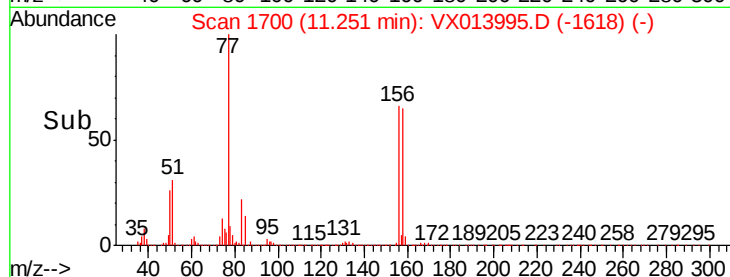
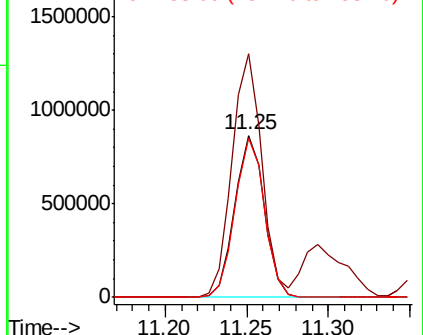
158 98.2 0.0 195.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 148.962 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013995.D

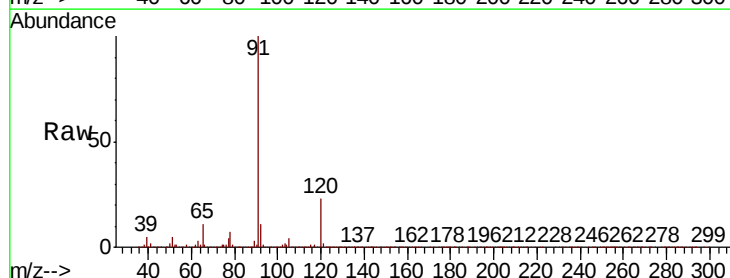
Acq: 13 Dec 2019 00:30

Tgt Ion: 91 Resp: 4636514

Ion Ratio Lower Upper

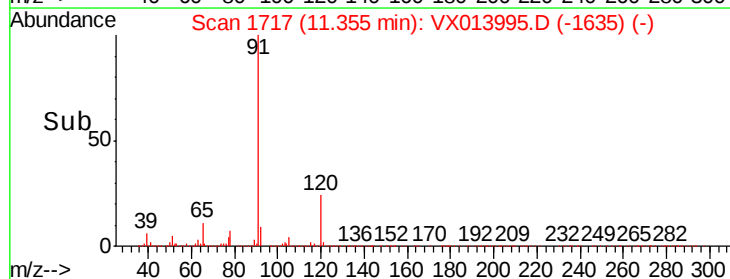
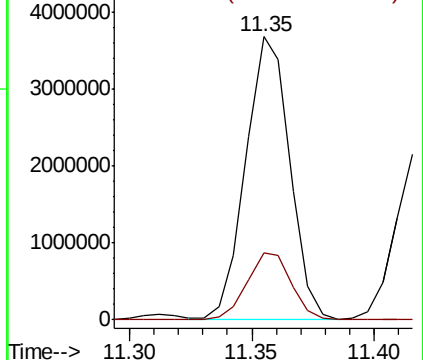
91 100

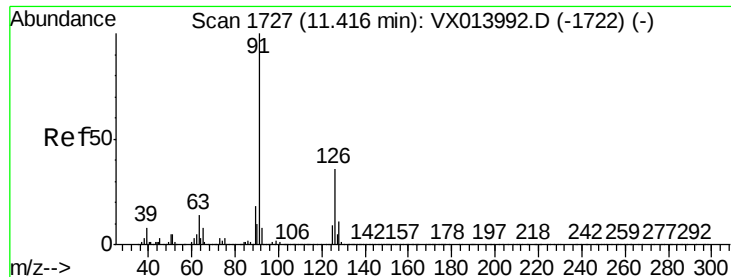
120 23.6 0.0 44.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 149.467 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

Instrument :

MSVOA_X

ClientSampleId :

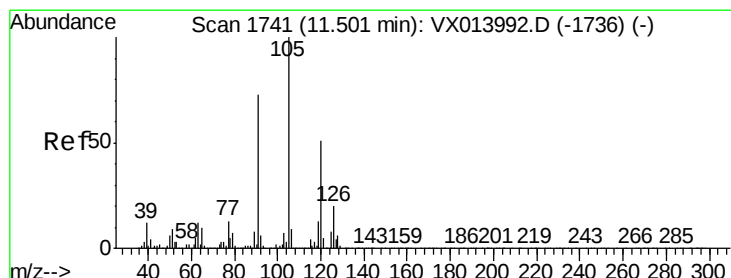
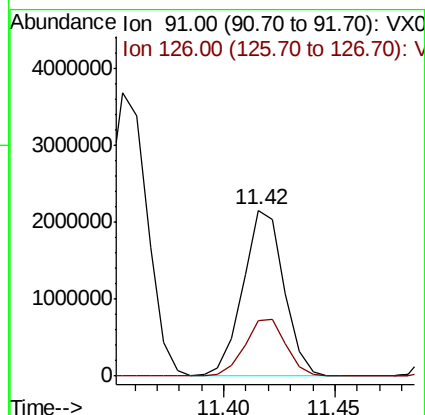
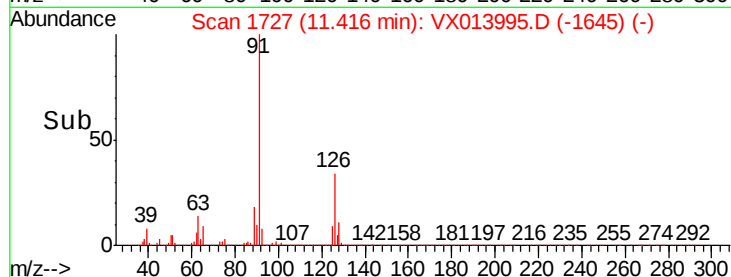
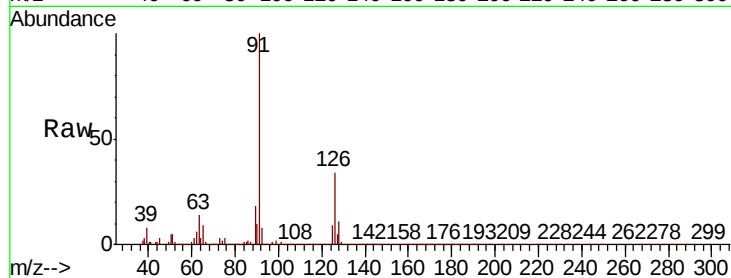
VSTDIC150

Tot Ion: 91 Resp: 2778525

Ion Ratio Lower Upper

91 100

126 34.7 0.0 70.8



#76

1,3,5-Trimethylbenzene

Concen: 150.794 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013995.D

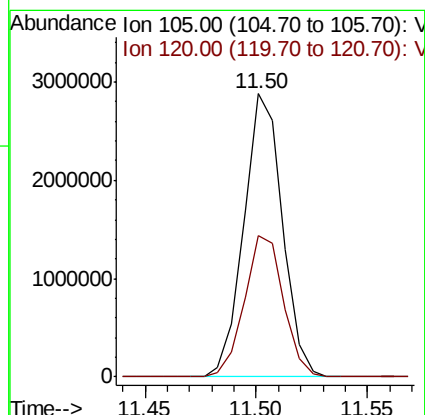
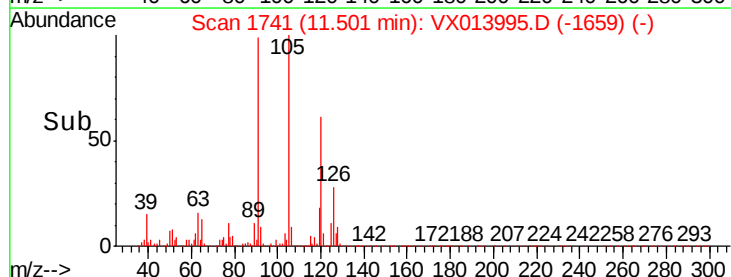
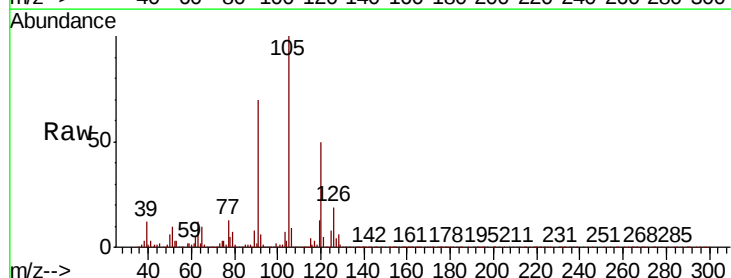
Acq: 13 Dec 2019 00:30

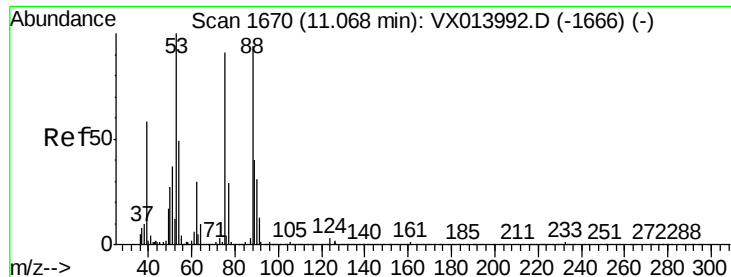
Tgt Ion: 105 Resp: 3479064

Ion Ratio Lower Upper

105 100

120 50.6 0.0 100.6





#77

t-1,4-Dichloro-2-butene

Concen: 150.008 ug/l

RT: 11.07 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

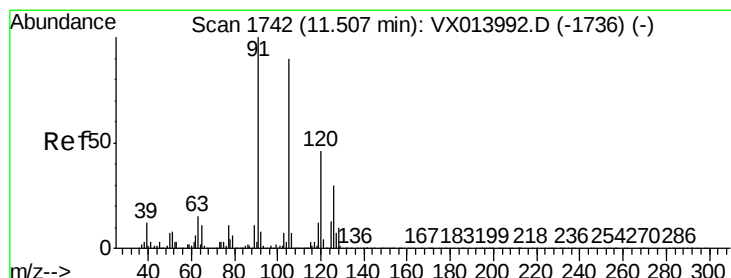
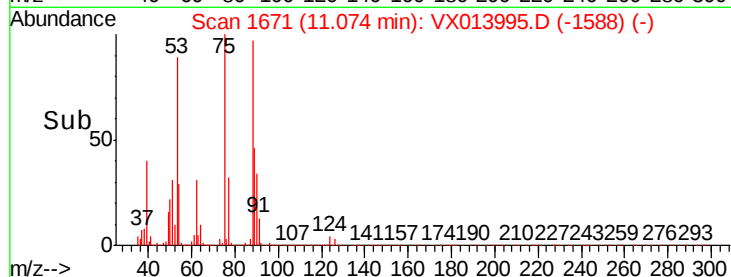
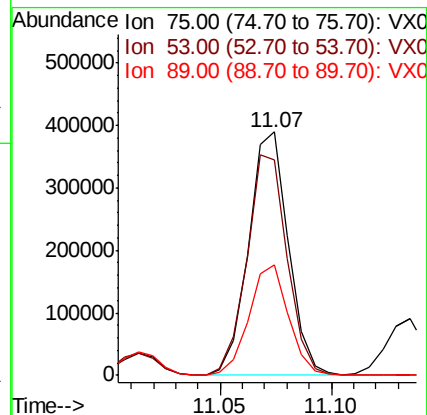
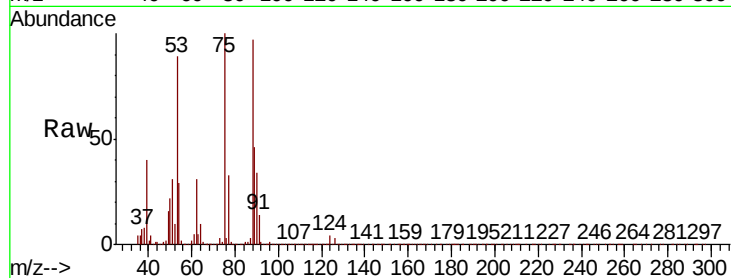
Tot Ion: 75 Resp: 485691

Ion Ratio Lower Upper

75 100

53 88.5 54.4 163.1

89 45.5 21.9 65.5



#78

4-Chlorotoluene

Concen: 152.192 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX013995.D

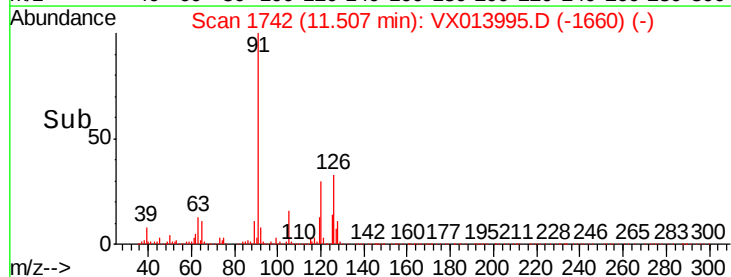
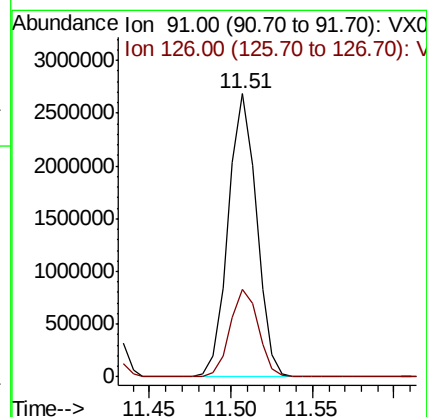
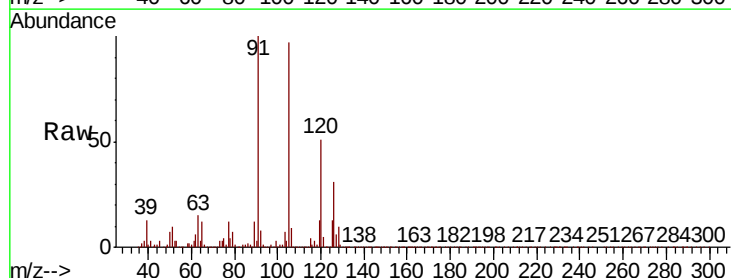
Acq: 13 Dec 2019 00:30

Tgt Ion: 91 Resp: 3243248

Ion Ratio Lower Upper

91 100

126 30.9 0.0 59.6





#79

tert-butylbenzene

Concen: 150.981 ug/l

RT: 11.77 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

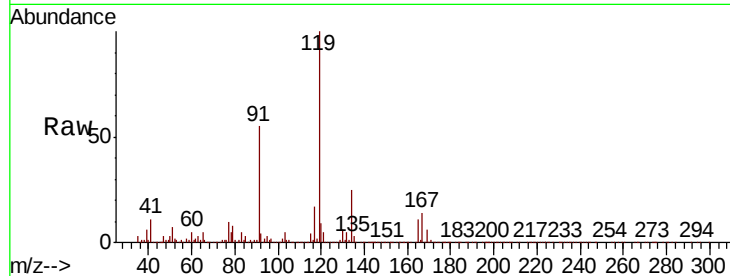
Tot Ion:119 Resp: 3484993

Ion Ratio Lower Upper

119 100

91 54.9 0.0 112.6

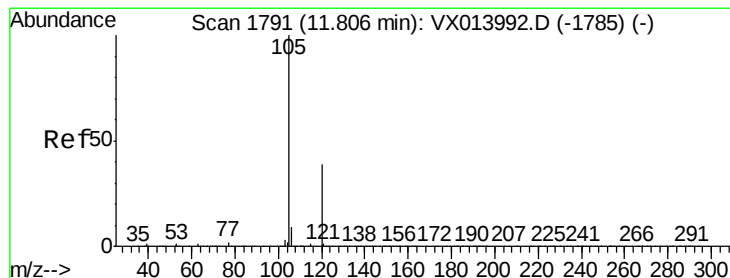
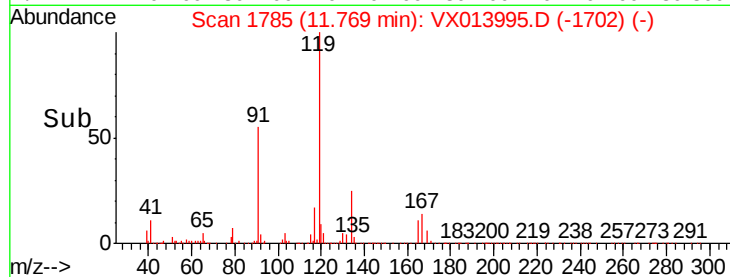
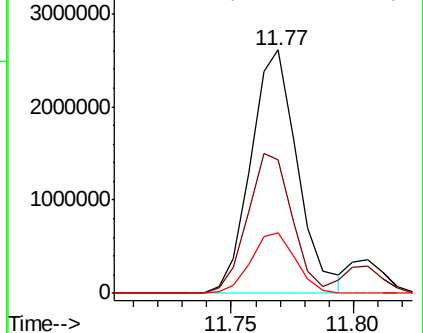
134 24.0 0.0 49.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 150.863 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX013995.D

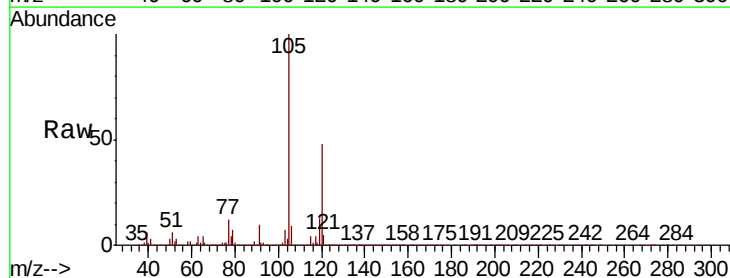
Acq: 13 Dec 2019 00:30

Tgt Ion:105 Resp: 3475189

Ion Ratio Lower Upper

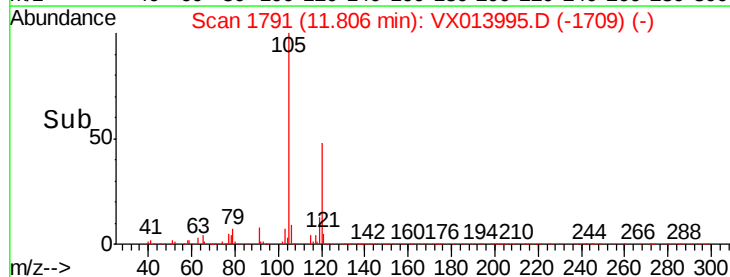
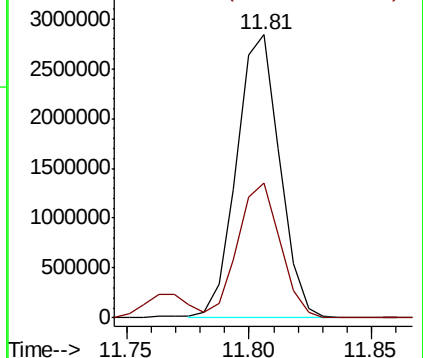
105 100

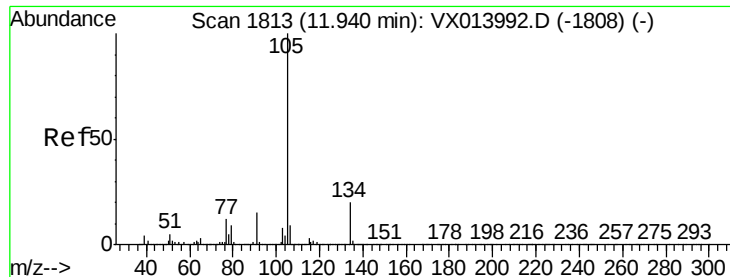
120 46.9 0.0 92.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 151.532 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

Instrument :

MSVOA_X

ClientSampleId :

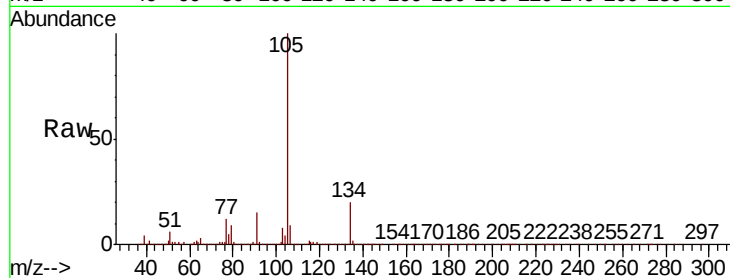
VSTDIC150

Tot Ion:105 Resp: 4022083

Ion Ratio Lower Upper

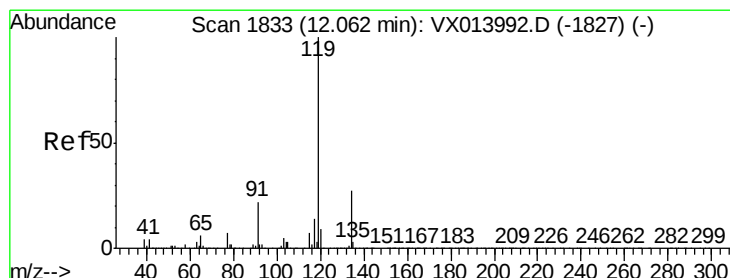
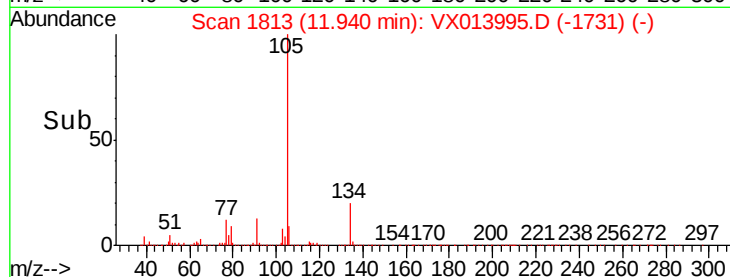
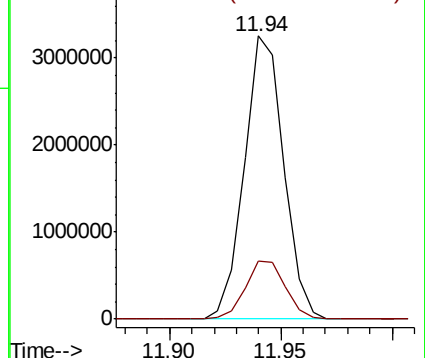
105 100

134 21.0 0.0 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 151.067 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

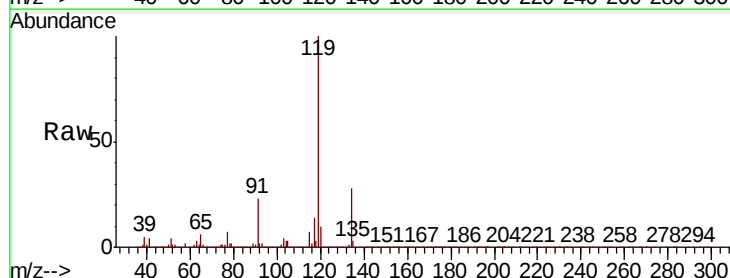
Tgt Ion:119 Resp: 3674839

Ion Ratio Lower Upper

119 100

134 27.6 0.0 53.8

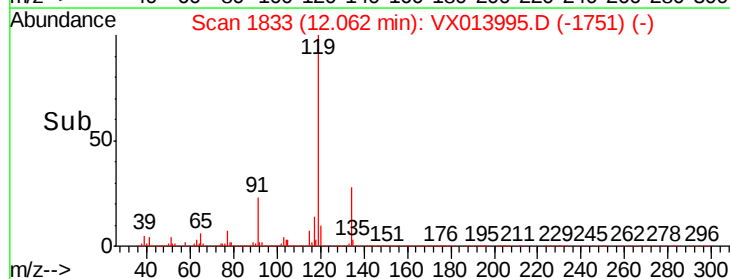
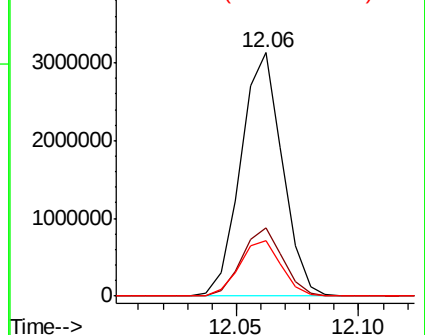
91 23.0 0.0 45.0

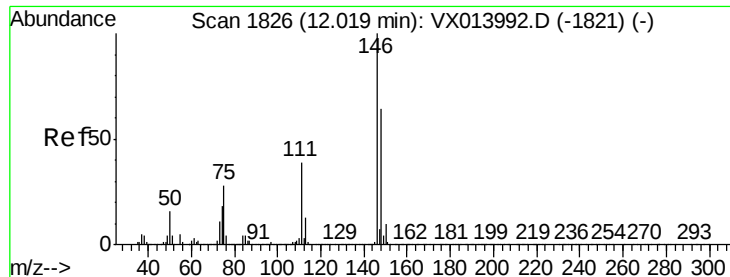


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#83

1,3-Dichlorobenzene

Concen: 153.428 ug/l

RT: 12.03 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

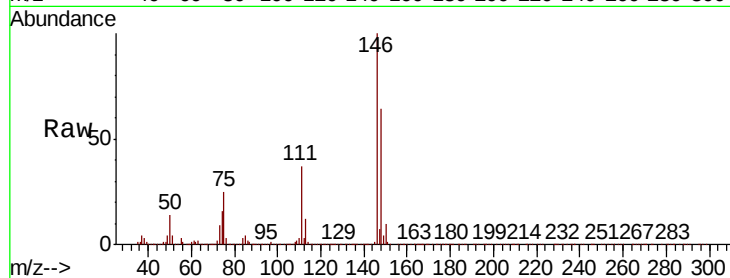
Tot Ion:146 Resp: 1952705

Ion Ratio Lower Upper

146 100

111 38.3 19.3 57.9

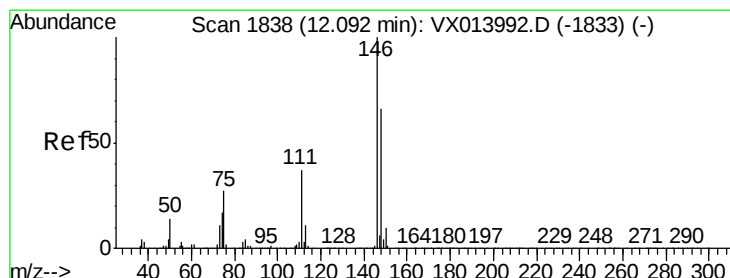
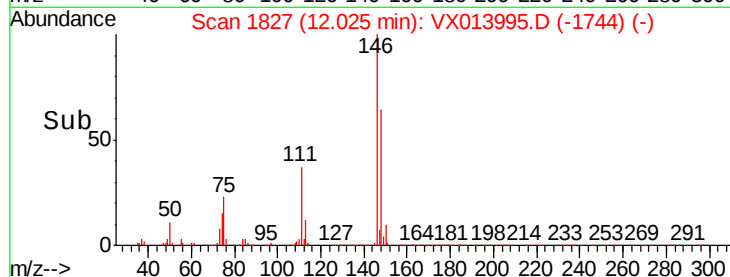
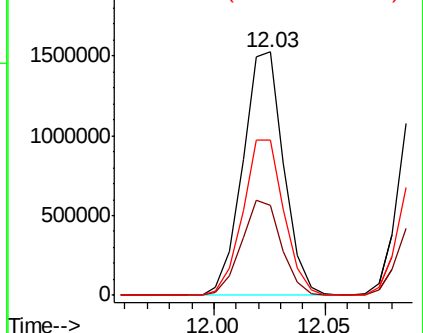
148 64.2 32.2 96.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 155.156 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

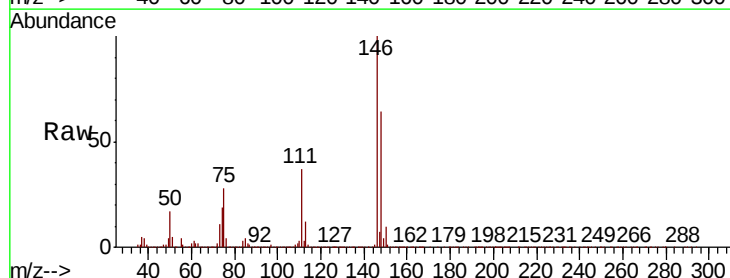
Tgt Ion:146 Resp: 1962694

Ion Ratio Lower Upper

146 100

111 36.5 18.4 55.4

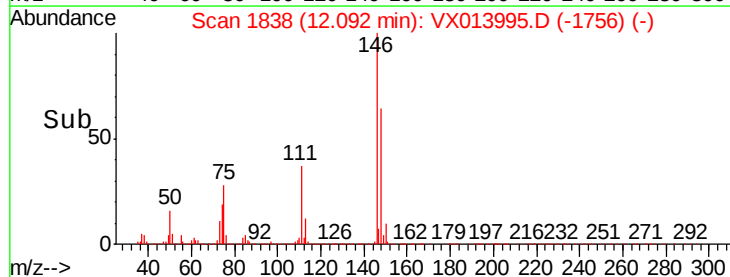
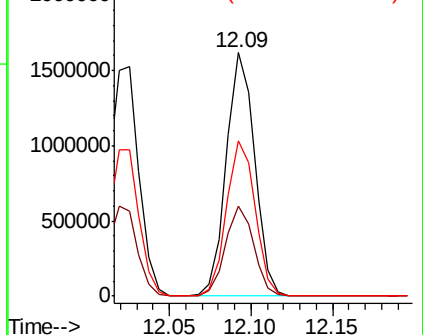
148 64.3 32.0 96.0

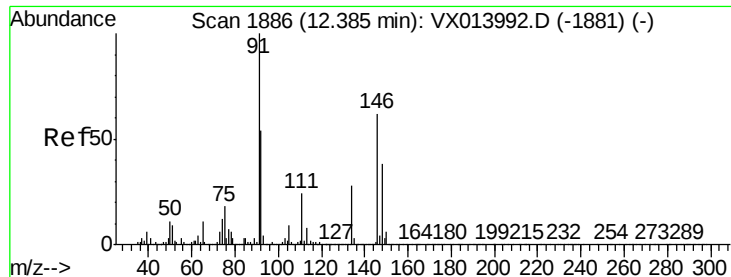


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

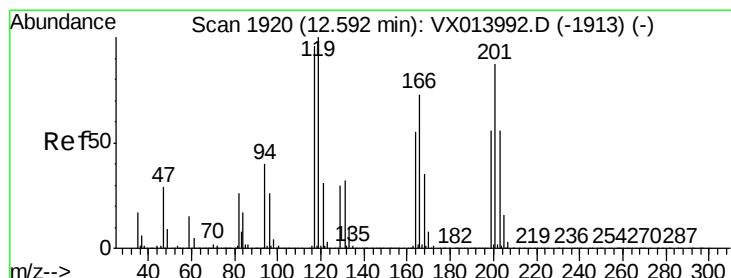
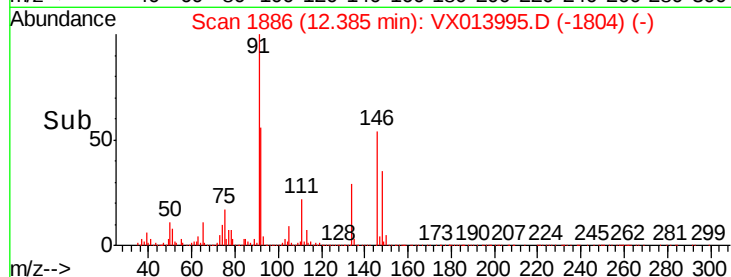
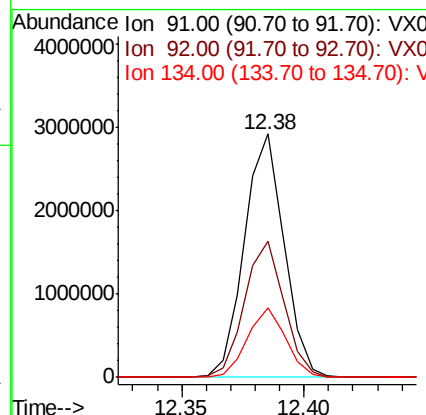
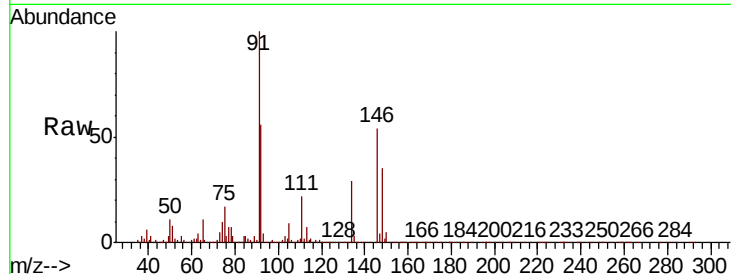




#85
n-Butylbenzene
Concen: 157.743 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013995.D
Acq: 13 Dec 2019 00:30

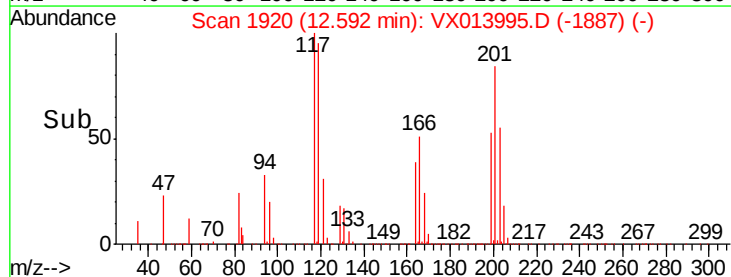
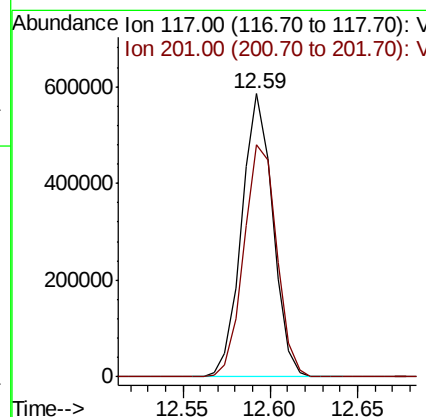
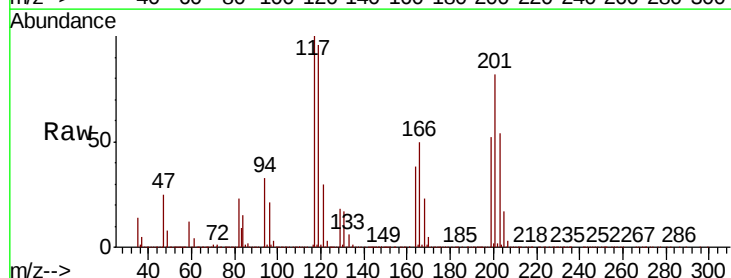
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

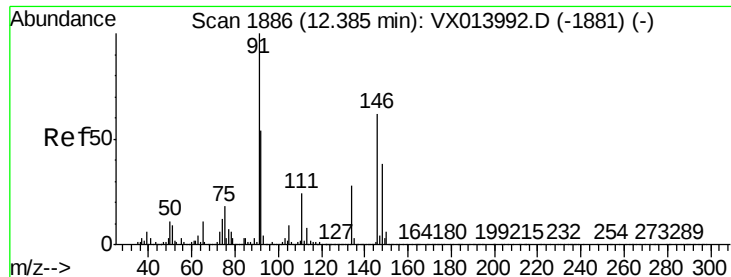
Tot Ion: 91 Resp: 3289514
Ion Ratio Lower Upper
91 100
92 55.7 0.0 109.0
134 27.6 0.0 54.0



#86
Hexachloroethane
Concen: 162.912 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX013995.D
Acq: 13 Dec 2019 00:30

Tgt Ion: 117 Resp: 723385
Ion Ratio Lower Upper
117 100
201 86.8 44.8 134.3





#87

1,2-Dichlorobenzene

Concen: 155.052 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

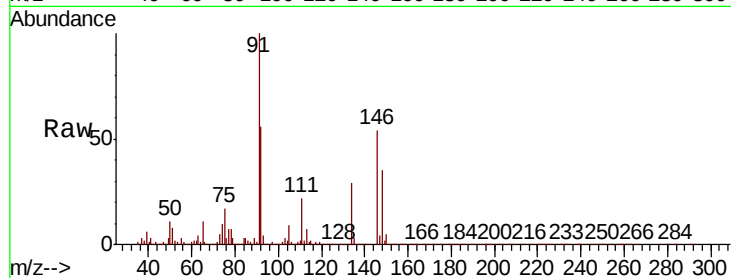
Tot Ion:146 Resp: 1971897

Ion Ratio Lower Upper

146 100

111 39.5 20.1 60.2

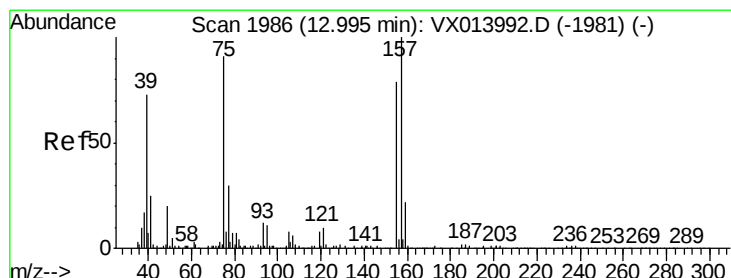
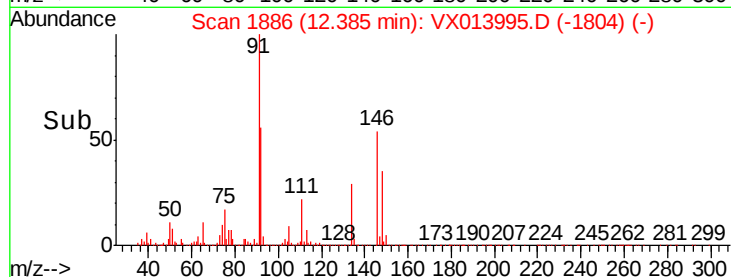
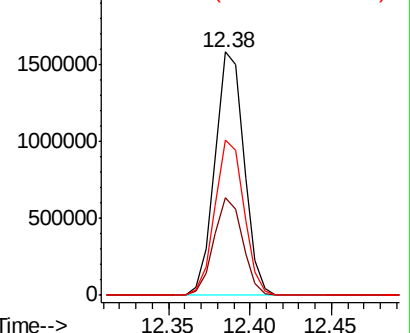
148 63.7 32.0 96.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 139.544 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

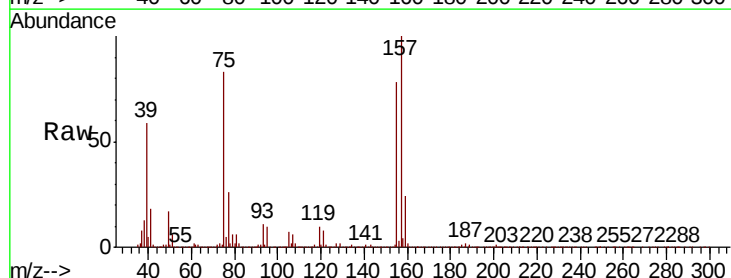
Tgt Ion: 75 Resp: 301720

Ion Ratio Lower Upper

75 100

155 98.1 73.8 110.6

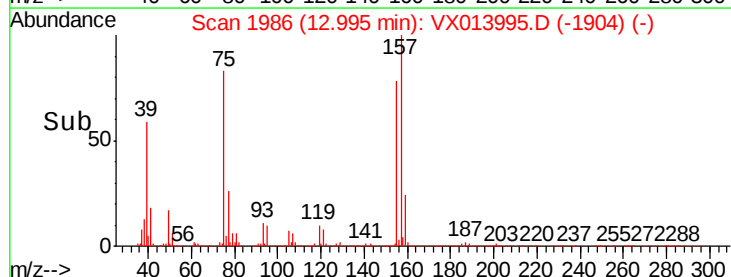
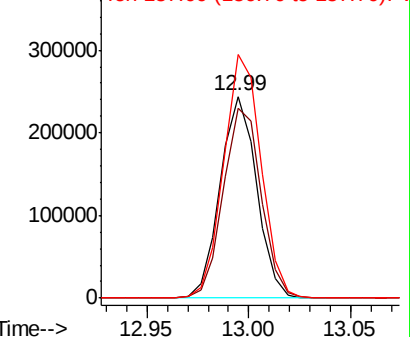
157 123.4 95.0 142.4

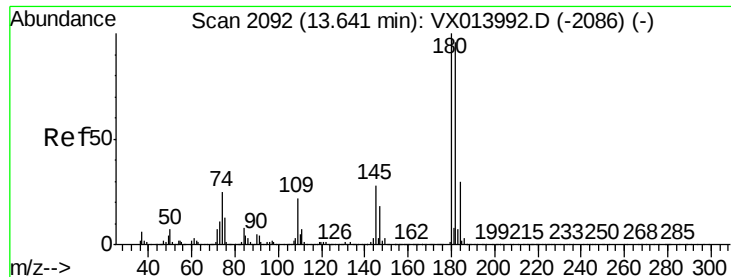


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V



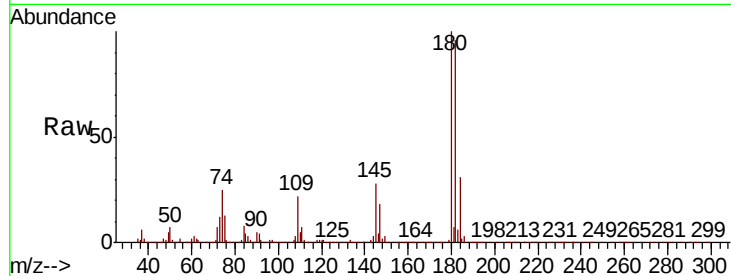


#89
 1,2,4-Trichlorobenzene
 Concen: 156.093 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013995.D
 Acq: 13 Dec 2019 00:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:180 Resp: 1347467

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.4	114.6
145	28.1	21.9	32.9

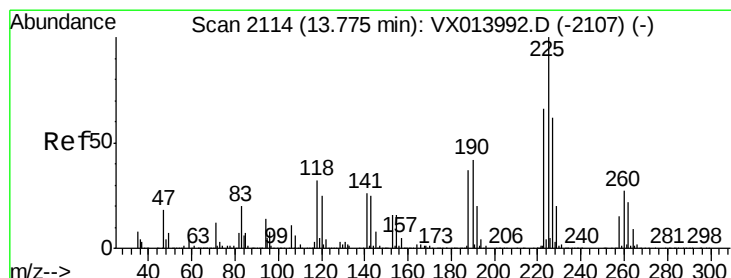
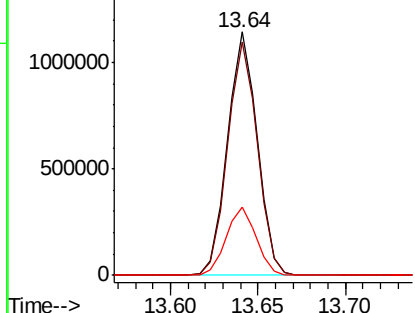
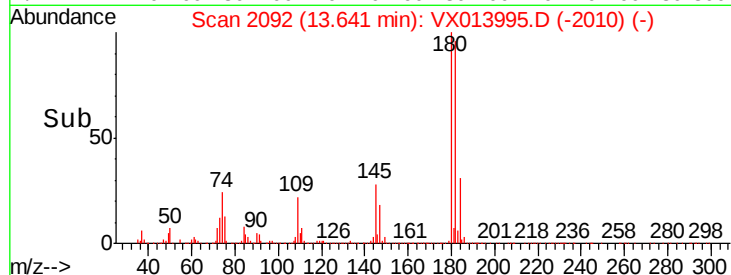


Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

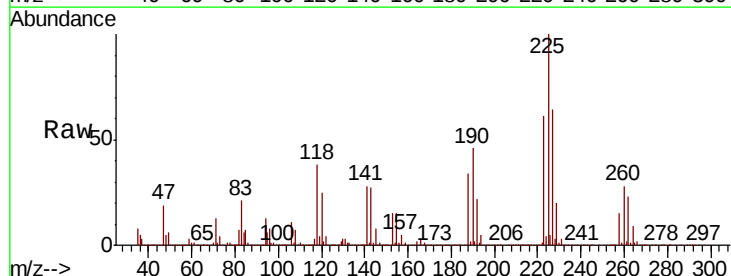
Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 146.317 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX013995.D
 Acq: 13 Dec 2019 00:30

Tgt Ion:225 Resp: 607939

Ion	Ratio	Lower	Upper
225	100		
223	63.2	0.0	127.4
227	63.3	0.0	122.8

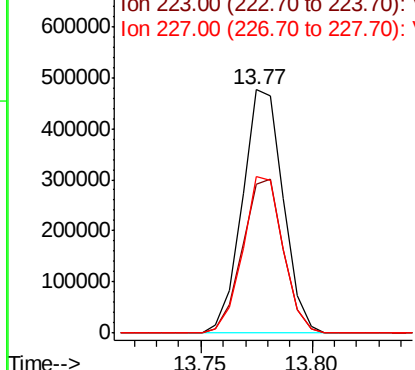
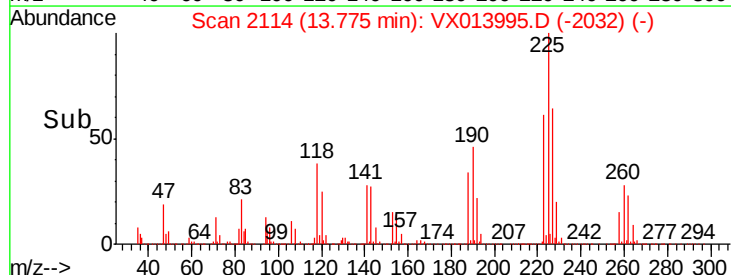


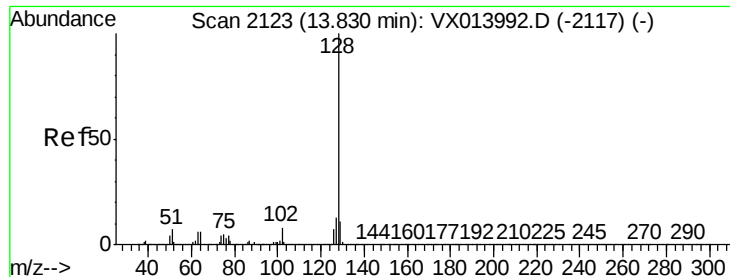
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 148.632 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

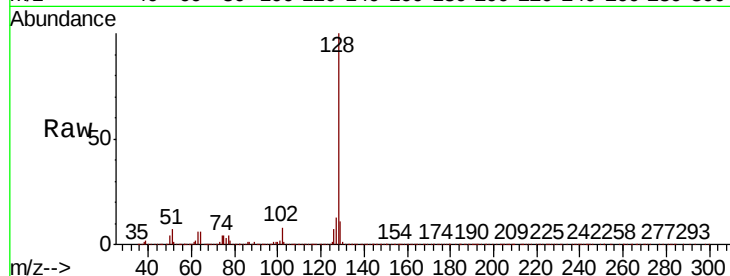
Tot Ion:128 Resp: 4020258

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

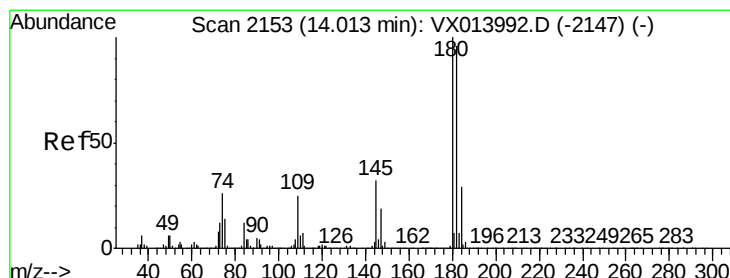
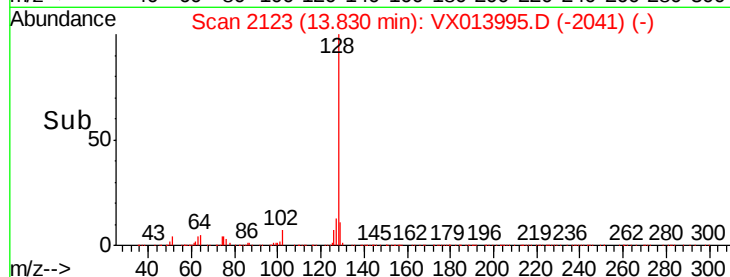
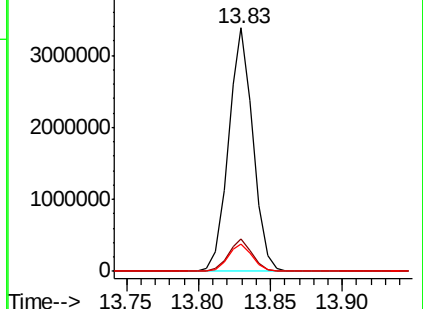
129 11.1 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 154.920 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VX013995.D

Acq: 13 Dec 2019 00:30

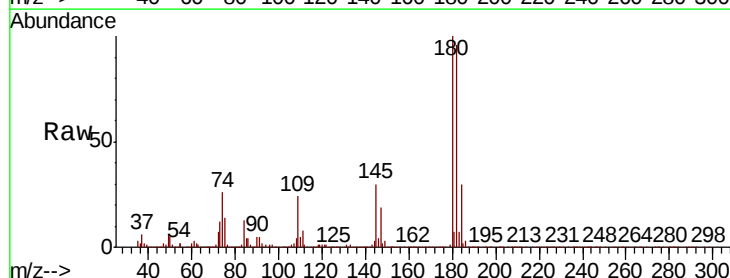
Tgt Ion:180 Resp: 1348585

Ion Ratio Lower Upper

180 100

182 95.1 0.0 192.8

145 29.7 0.0 60.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

