

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110119\
 Data File : VV013463.D
 Acq On : 01 Nov 2019 11:39
 Operator : SY/MD
 Sample : VSTD05065
 Misc : 5.00G/10.0ML/MSVOA V/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 02 03:16:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM110119S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Nov 02 03:13:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	764700	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	730980	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	402682	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	548497	46.89	ug/L	0.00
7) Chloroethane-d5	1.57	69	419420	45.18	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	934339	48.00	ug/L	0.00
20) 2-Butanone-d5	3.92	46	497909	120.05	ug/L	-0.02
24) Chloroform-d	4.39	84	1099543	51.97	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.07	65	632859	51.74	ug/L	0.00
29) Benzene-d6	5.09	84	2222214	53.92	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.11	67	657771	50.88	ug/L	0.00
37) Toluene-d8	7.35	98	2027956	54.55	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	298655	54.89	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	346318	134.79	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	622836	52.02	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	791499	50.48	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	533414	61.980	ug/L 100
3) Chloromethane	1.25	50	581545	53.307	ug/L 98
5) Vinyl chloride	1.32	62	571522	53.173	ug/L 99
6) Bromomethane	1.52	94	276103	42.581	ug/L 96
8) Chloroethane	1.59	64	329482	51.206	ug/L 98
9) Trichlorofluoromethane	1.76	101	781293	53.522	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	467076	50.226	ug/L 99
12) 1,1-Dichloroethene	2.14	96	442903	51.467	ug/L 95
13) Acetone	2.18	43	370841	87.477	ug/L 98
14) Carbon disulfide	2.31	76	1751404	60.928	ug/L 99
15) Methyl Acetate	2.45	43	424991	61.241	ug/L 98
16) Methylene chloride	2.53	84	618704	53.265	ug/L 98
17) Methyl tert-butyl Ether	2.80	73	1520725	58.962	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	597484	56.938	ug/L 98
19) 1,1-Dichloroethane	3.22	63	1088237	56.837	ug/L 99
21) 2-Butanone	4.00	43	609813	121.386	ug/L 96
22) cis-1,2-Dichloroethene	3.96	96	648956	57.084	ug/L 98
23) Bromochloromethane	4.29	128	306568	54.838	ug/L 100
25) Chloroform	4.42	83	1097051	55.018	ug/L 100
27) 1,2-Dichloroethane	5.17	62	785017	55.921	ug/L 100
30) Cyclohexane	4.72	56	1038967	63.559	ug/L 98
31) 1,1,1-Trichloroethane	4.65	97	920223	60.956	ug/L 99
32) Carbon tetrachloride	4.87	117	831095	60.739	ug/L 100
34) Benzene	5.14	78	2422915	58.275	ug/L 100
35) Trichloroethene	5.96	95	644164	55.873	ug/L 99
36) Methylcyclohexane	6.17	83	1056970	59.385	ug/L 100
40) 1,2-Dichloropropane	6.22	63	604893	56.217	ug/L 100
41) Bromodichloromethane	6.55	83	792805	57.612	ug/L 99
42) cis-1,3-Dichloropropene	7.06	75	967220	61.607	ug/L 97
43) 4-Methyl-2-pentanone	7.27	43	1125478	126.460	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

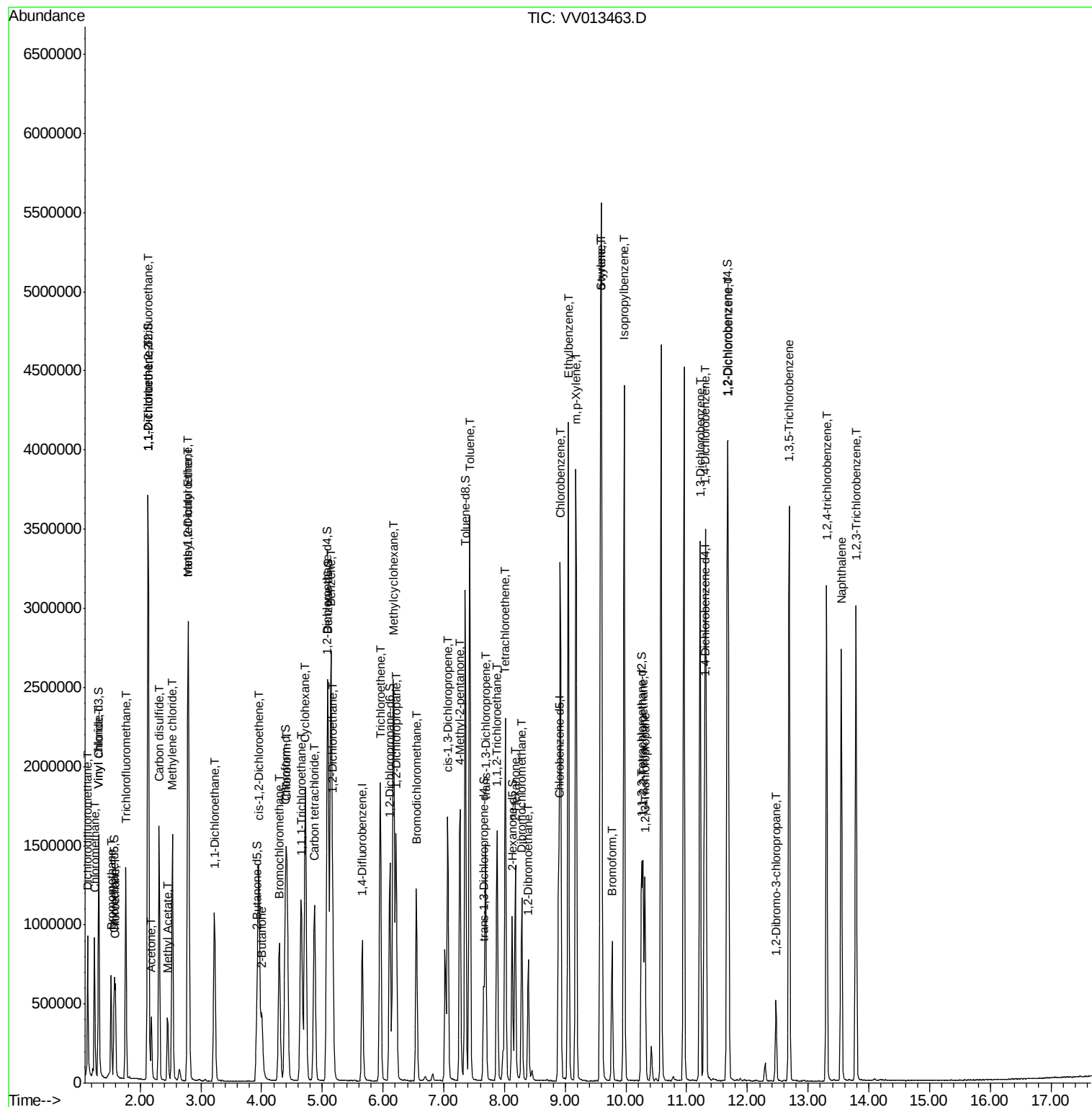
44) Toluene	7.43	91	2521885	57.981	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	794703	59.494	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	479224	53.355	ug/L	98
47) Tetrachloroethene	8.02	164	539268	56.850	ug/L	98
49) 2-Hexanone	8.18	43	840556	127.216	ug/L	99
50) Dibromochloromethane	8.29	129	581690	55.735	ug/L	99
51) 1,2-Dibromoethane	8.39	107	495788	55.858	ug/L	100
52) Chlorobenzene	8.92	112	1646952	54.822	ug/L	100
53) Ethylbenzene	9.05	91	2801517	58.067	ug/L	99
54) m,p-Xylene	9.18	106	1063157	58.201	ug/L	99
55) o-xylene	9.58	106	1030613	59.714	ug/L	97
56) Styrene	9.60	104	1807406	59.613	ug/L	98
57) Isopropylbenzene	9.97	105	2783101	60.519	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	632826	57.054	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	521751	56.742	ug/L	100
62) Bromoform	9.77	173	402834	57.717	ug/L	100
63) 1,3-Dichlorobenzene	11.22	146	1401740	55.759	ug/L	99
64) 1,4-Dichlorobenzene	11.31	146	1393380	53.157	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	1292512	54.265	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	119950	57.662	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	1157771	58.505	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	993324	58.321	ug/L	98
69) Naphthalene	13.55	128	2062332	61.133	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	922396	56.318	ug/L	98

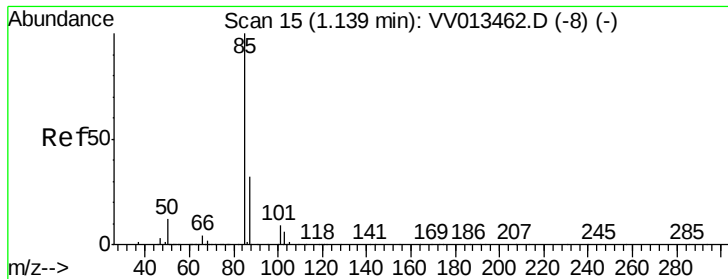
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 61.980 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV013463.D

Acq: 01 Nov 2019 11:39

Instrument :

MSVOA_V

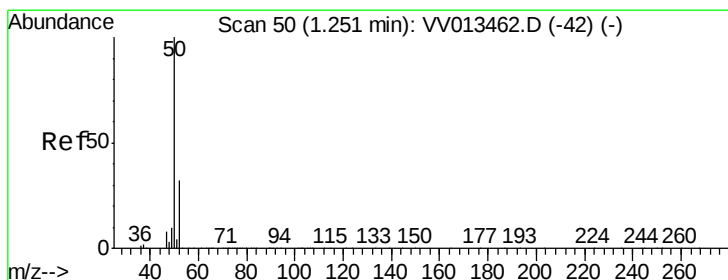
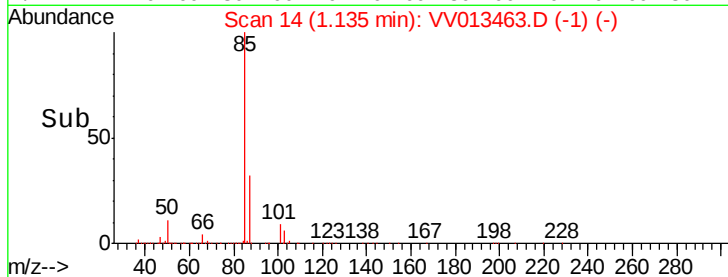
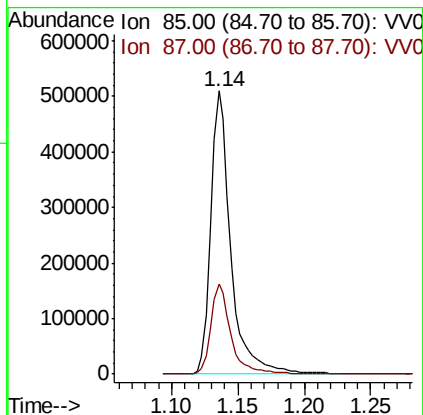
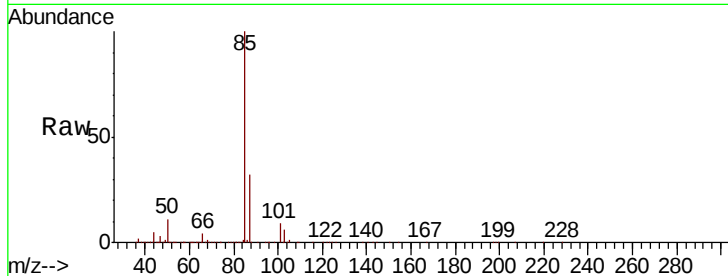
ClientSampleId :

Tot Ion: 85 Resp: 533414

Ion Ratio Lower Upper

85 100

87 31.9 22.2 41.2



#3

Chloromethane

Concen: 53.307 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV013463.D

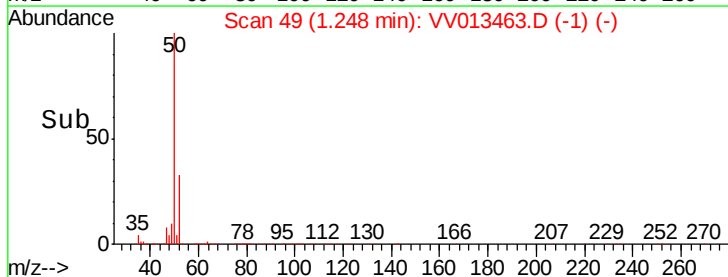
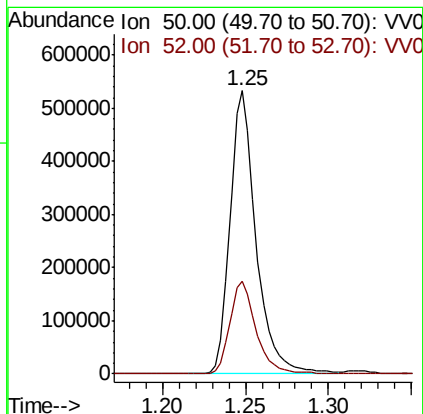
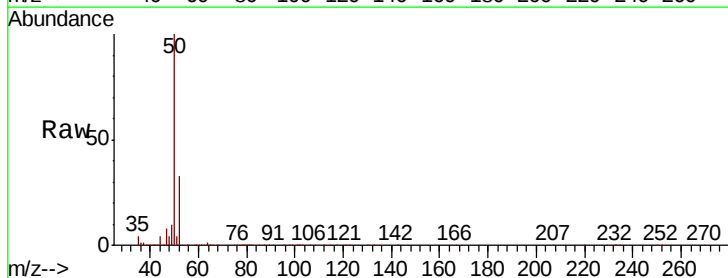
Acq: 01 Nov 2019 11:39

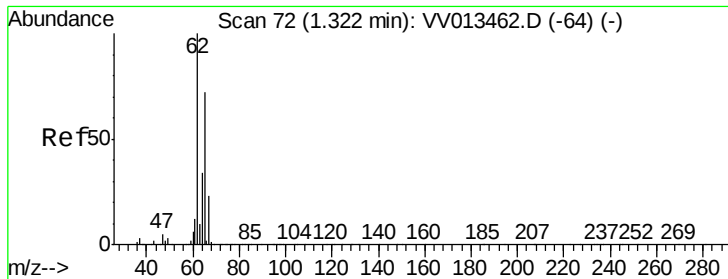
Tgt Ion: 50 Resp: 581545

Ion Ratio Lower Upper

50 100

52 32.8 22.2 41.2





#5

Vinyl chloride

Concen: 53.173 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

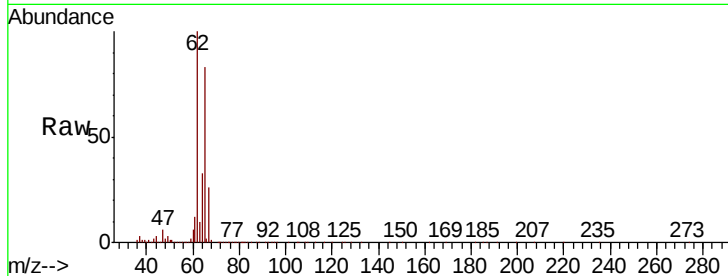
Lab File: VV013463.D

Acq: 01 Nov 2019 11:39

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 571522

Ion	Ratio	Lower	Upper
62	100		
64	33.3	23.8	44.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

500000

400000

300000

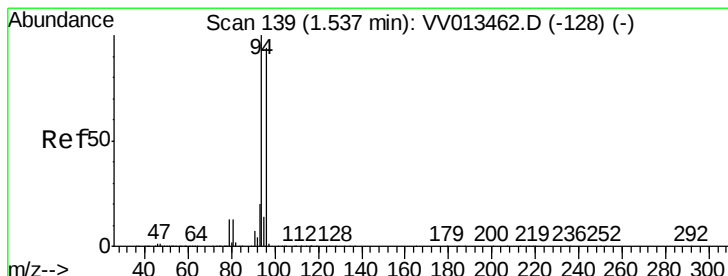
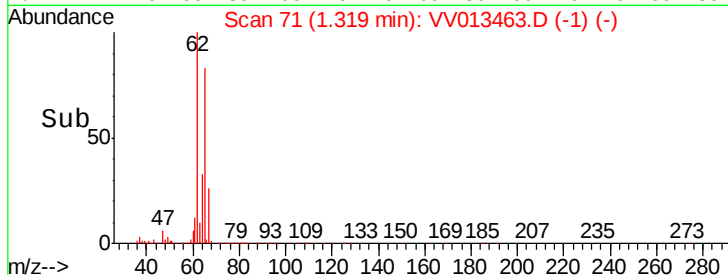
200000

100000

0

Time-->

1.25 1.30 1.35 1.40 1.45



#6

Bromomethane

Concen: 42.581 ug/L

RT: 1.52 min Scan# 134

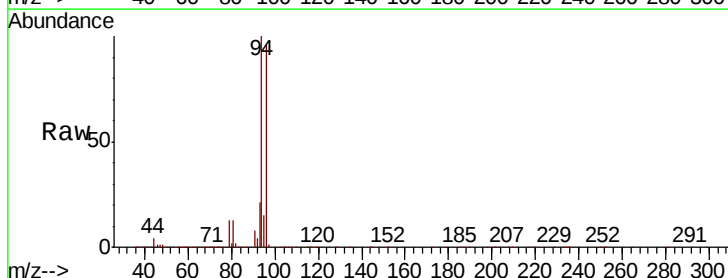
Delta R.T. -0.02 min

Lab File: VV013463.D

Acq: 01 Nov 2019 11:39

Tgt Ion: 94 Resp: 276103

Ion	Ratio	Lower	Upper
94	100		
96	97.2	9.4	177.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.52

250000

200000

150000

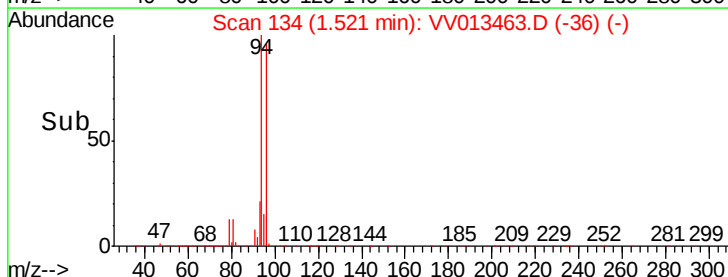
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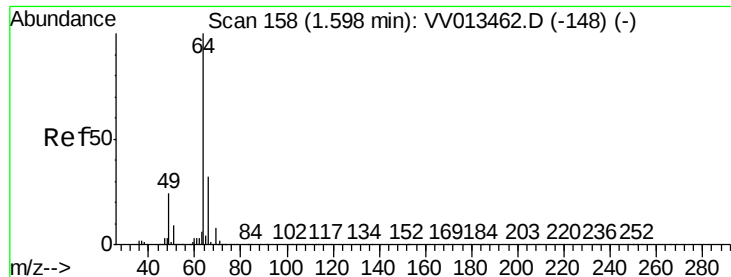
50000

0

Time-->

1.45 1.50 1.55 1.60





#8

Chloroethane

Concen: 51.206 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.01 min

Lab File: VV013463.D

Acq: 01 Nov 2019 11:39

Instrument :

MSVOA_V

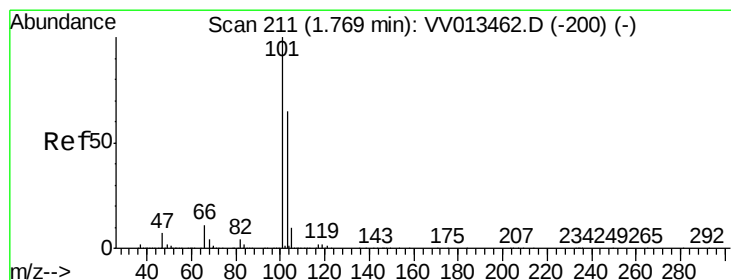
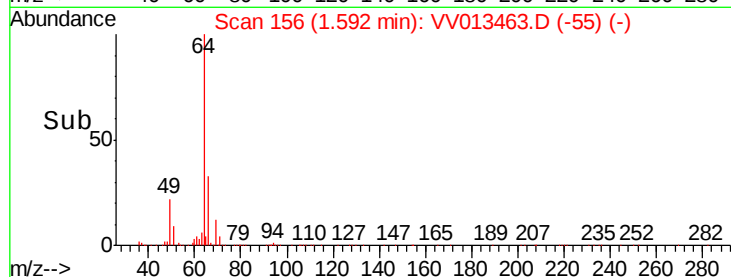
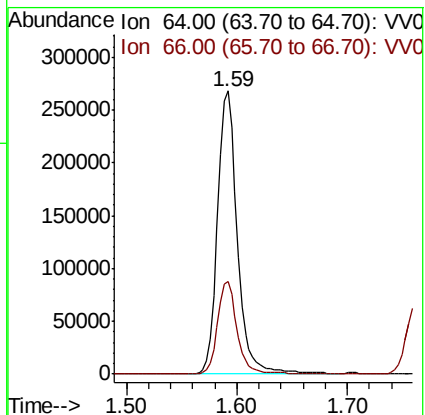
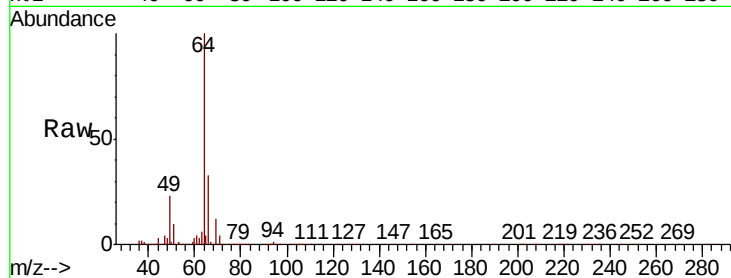
ClientSampleId :

Tot Ion: 64 Resp: 329482

Ion Ratio Lower Upper

64 100

66 32.9 22.3 41.3



#9

Trichlorofluoromethane

Concen: 53.522 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.01 min

Lab File: VV013463.D

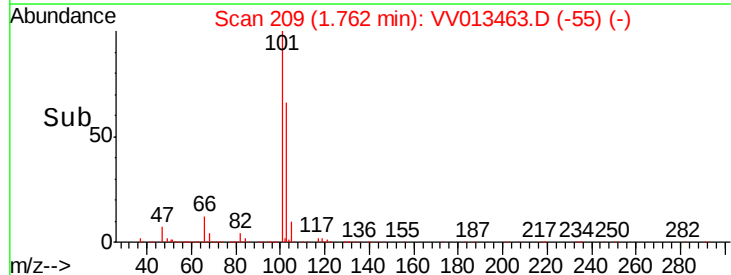
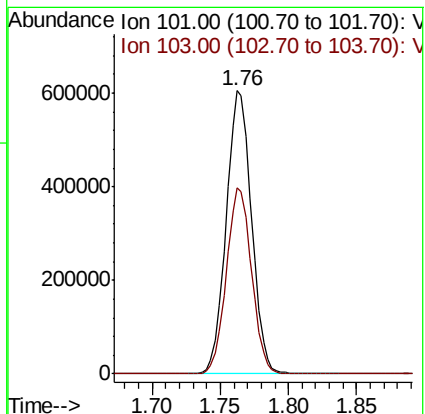
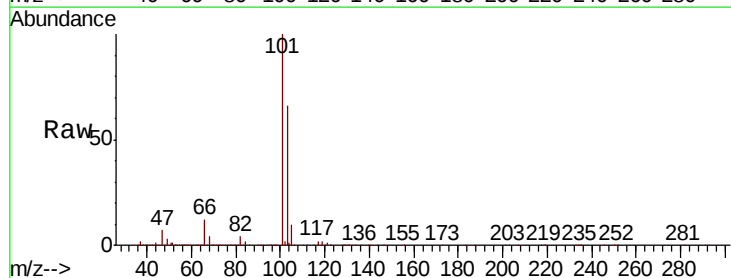
Acq: 01 Nov 2019 11:39

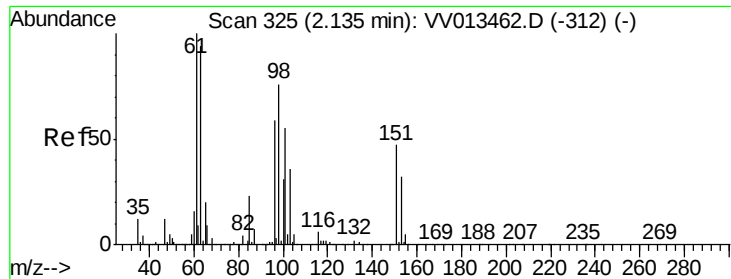
Tgt Ion: 101 Resp: 781293

Ion Ratio Lower Upper

101 100

103 65.2 45.1 83.9





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 50.226 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013463.D

Acq: 01 Nov 2019 11:39

Instrument :

MSVOA_V

ClientSampled :

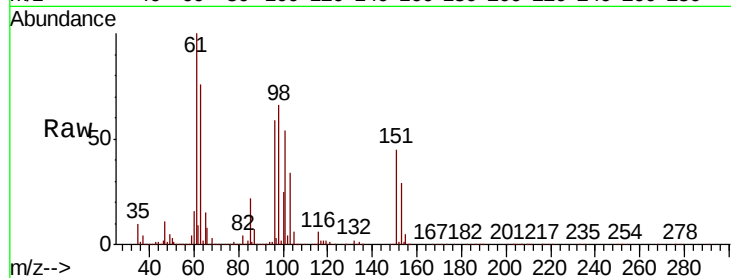
Tot Ion:101 Resp: 467076

Ion Ratio Lower Upper

101 100

85 41.5 33.1 49.7

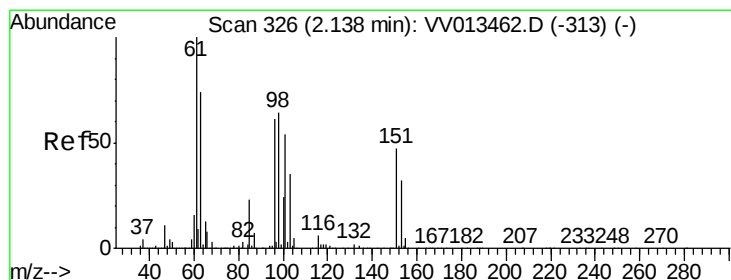
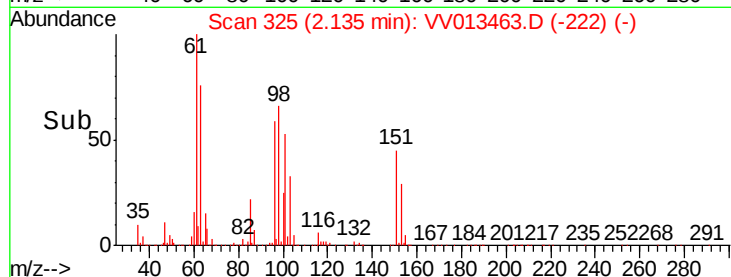
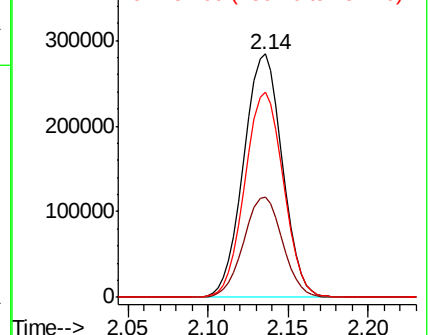
151 84.4 68.3 102.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 51.467 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013463.D

Acq: 01 Nov 2019 11:39

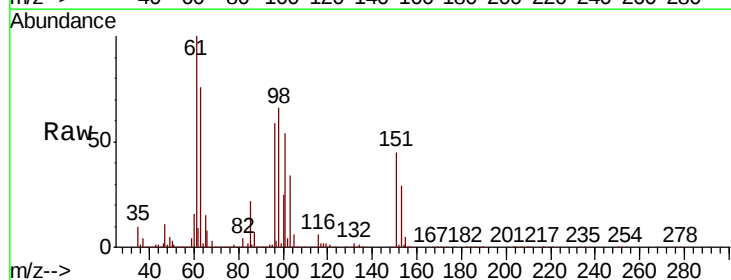
Tgt Ion: 96 Resp: 442903

Ion Ratio Lower Upper

96 100

61 169.5 114.7 212.9

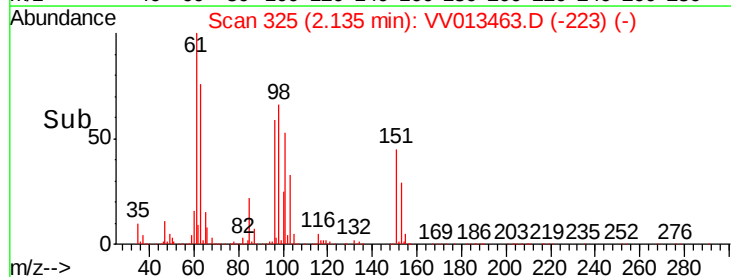
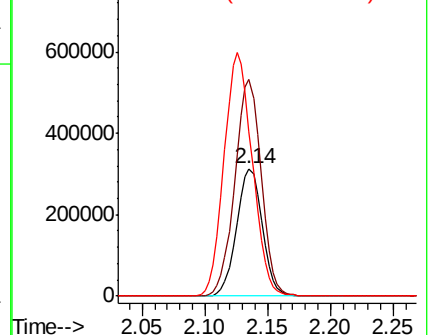
63 129.0 84.7 157.3

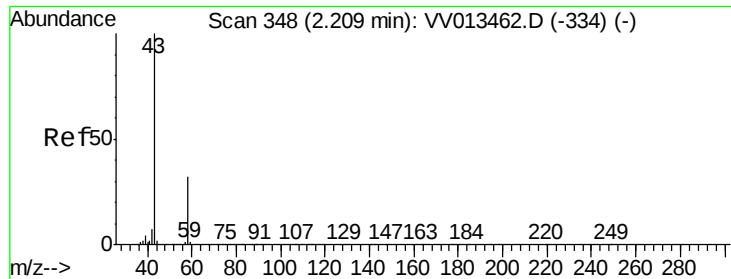


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 87.477 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.03 min

Lab File: VV013463.D

Acq: 01 Nov 2019 11:39

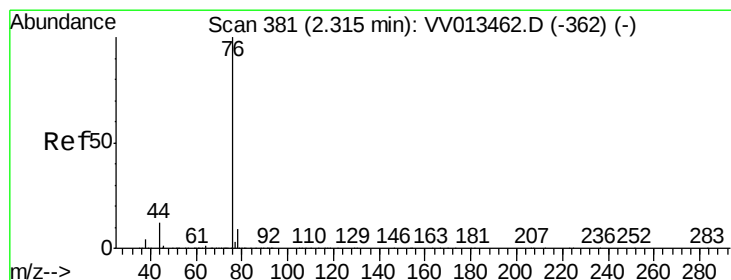
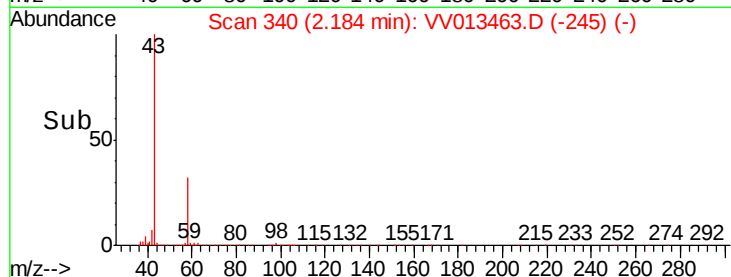
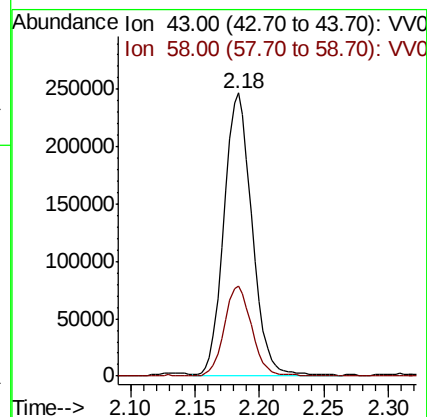
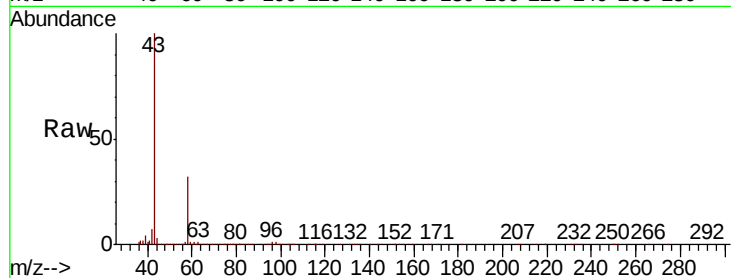
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 370841

Ion Ratio Lower Upper

43 100

58 30.7 0.0 63.2



#14

Carbon disulfide

Concen: 60.928 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV013463.D

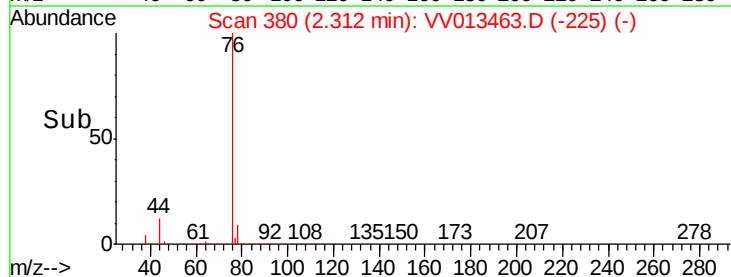
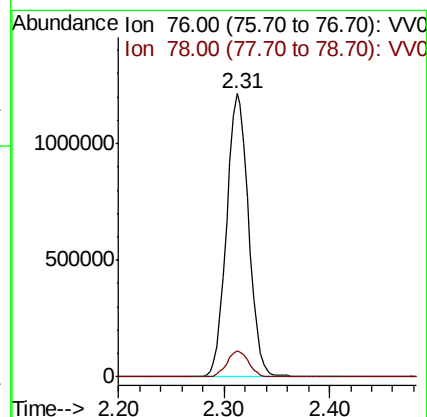
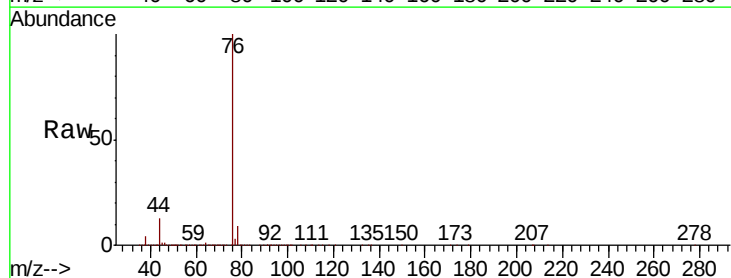
Acq: 01 Nov 2019 11:39

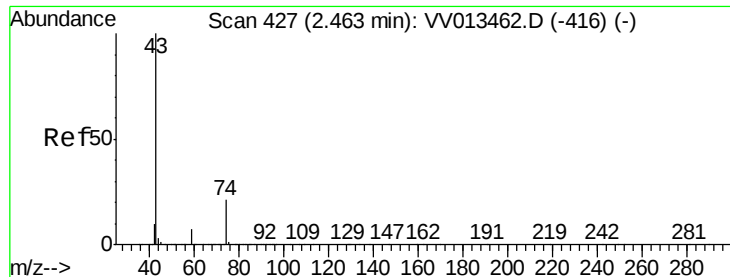
Tgt Ion: 76 Resp: 1751404

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7





#15

Methvl Acetate

Concen: 61.241 ug/L

RT: 2.45 min Scan# 423

Delta R.T. -0.01 min

Lab File: VV013463.D

Acq: 01 Nov 2019 11:39

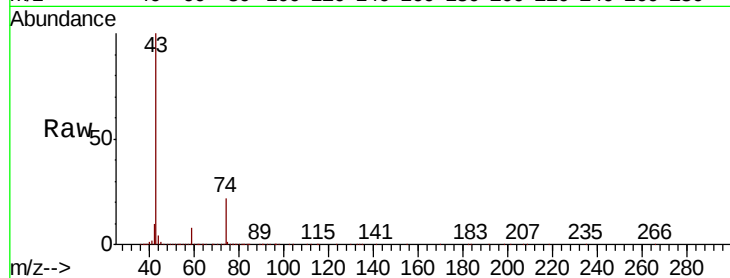
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 424991

Ion Ratio Lower Upper

43 100

74 22.2 16.9 25.3



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0

2.45

250000

200000

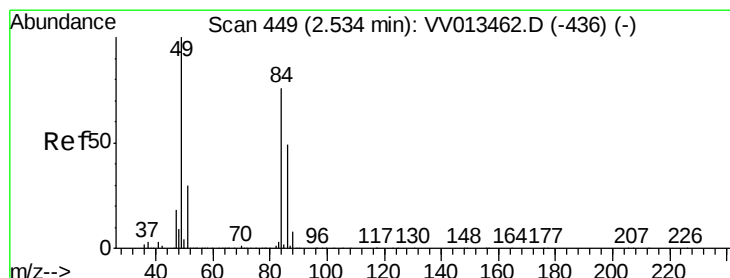
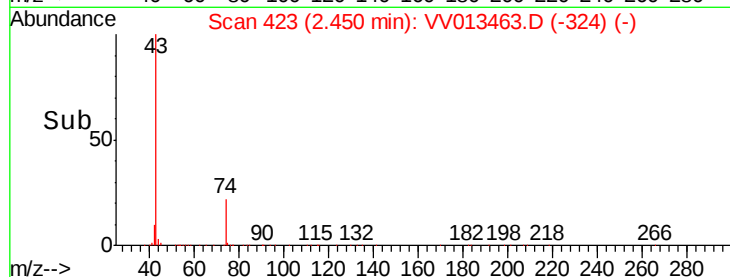
150000

100000

50000

0

Time-->



#16

Methylene chloride

Concen: 53.265 ug/L

RT: 2.53 min Scan# 448

Delta R.T. -0.00 min

Lab File: VV013463.D

Acq: 01 Nov 2019 11:39

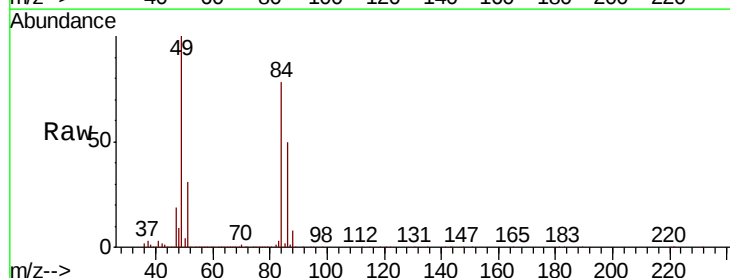
Tgt Ion: 84 Resp: 618704

Ion Ratio Lower Upper

84 100

49 128.9 92.4 171.6

86 64.3 45.1 83.7



Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

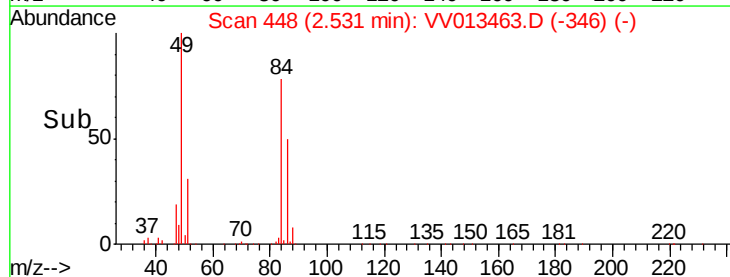
600000

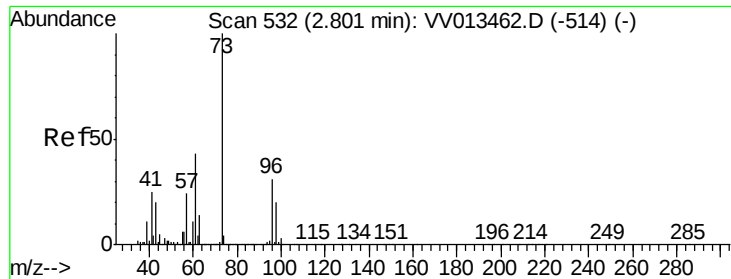
400000

200000

0

Time-->

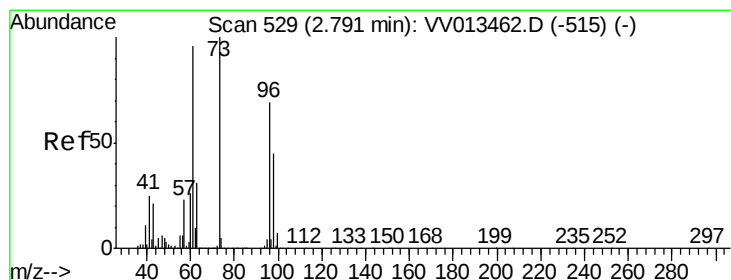
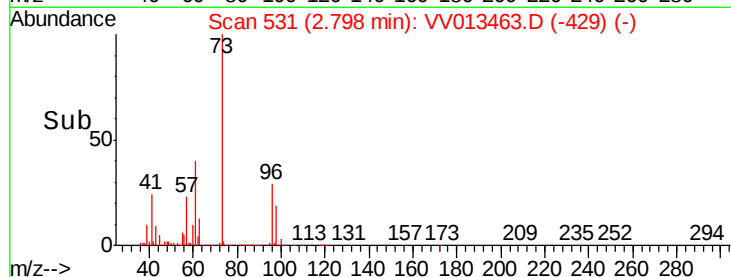
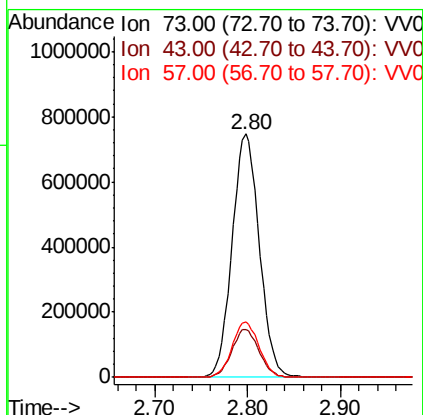
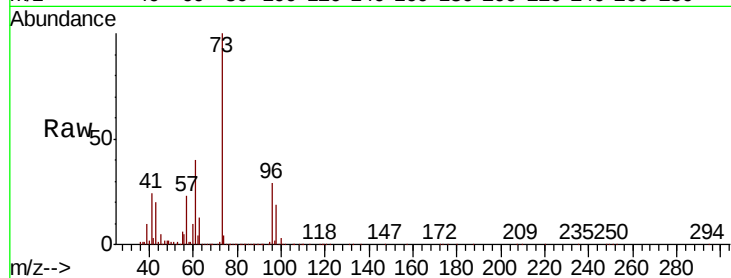




#17
Methvl tert-butvl Ether
Concen: 58.962 ug/L
RT: 2.80 min Scan# 531
Delta R.T. -0.00 min
Lab File: VV013463.D
Acq: 01 Nov 2019 11:39

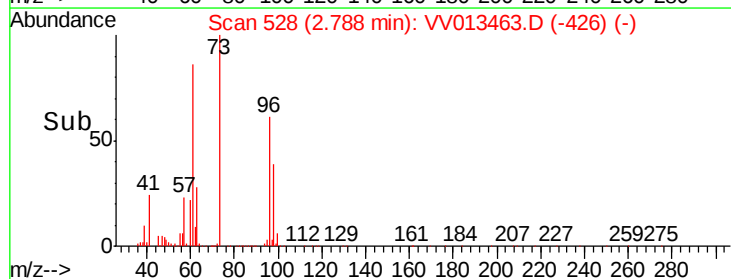
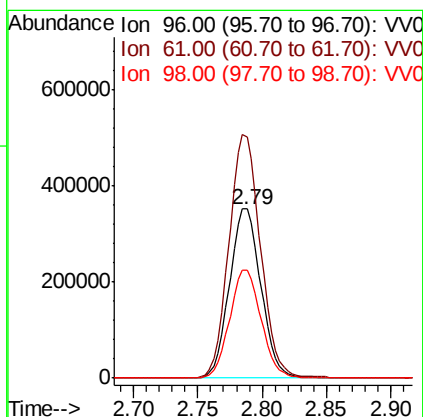
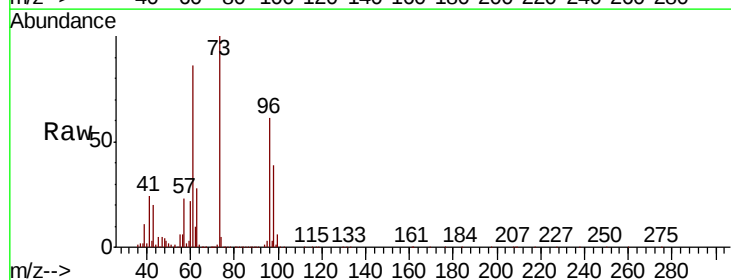
Instrument :
MSVOA_V
ClientSampleId :

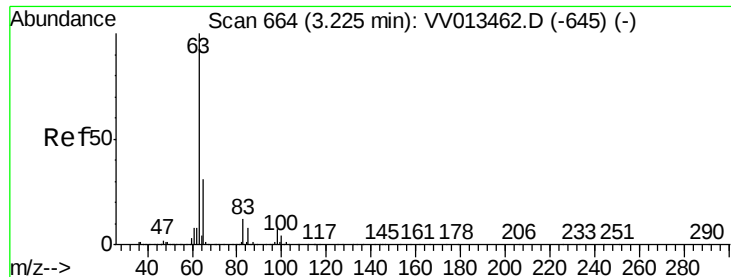
Tot Ion: 73 Resp: 1520725
Ion Ratio Lower Upper
73 100
43 19.7 16.2 24.2
57 22.5 18.6 27.8



#18
trans-1,2-Dichloroethene
Concen: 56.938 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV013463.D
Acq: 01 Nov 2019 11:39

Tgt Ion: 96 Resp: 597484
Ion Ratio Lower Upper
96 100
61 142.4 98.0 182.0
98 63.7 45.6 84.8



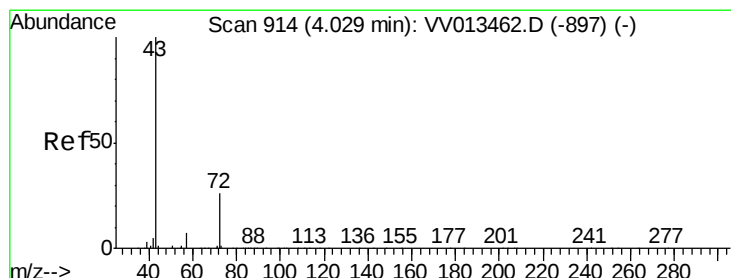
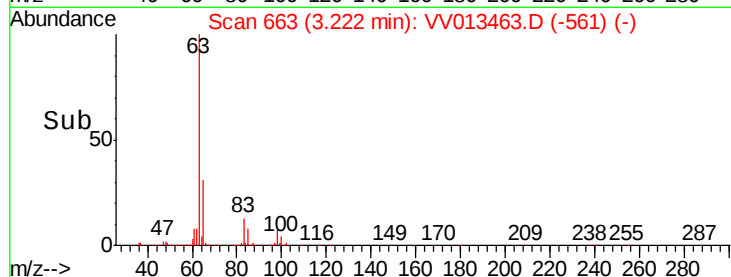
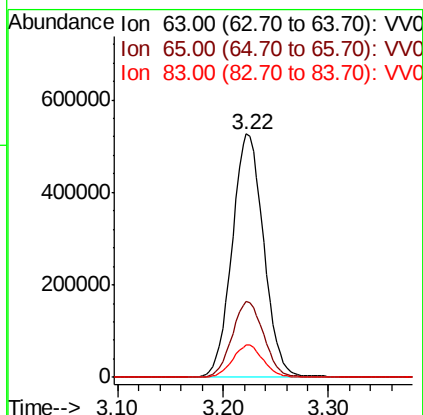
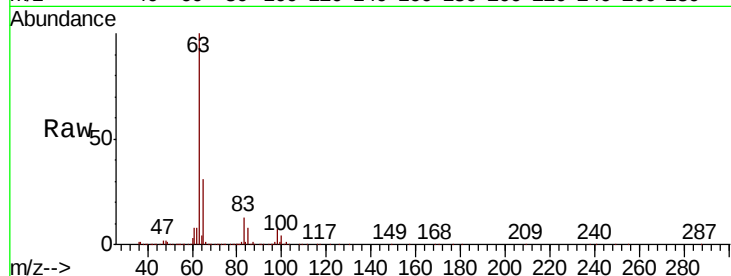


#19
 1,1-Dichloroethane
 Concen: 56.837 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: VV013463.D
 Acq: 01 Nov 2019 11:39

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 63 Resp: 1088237

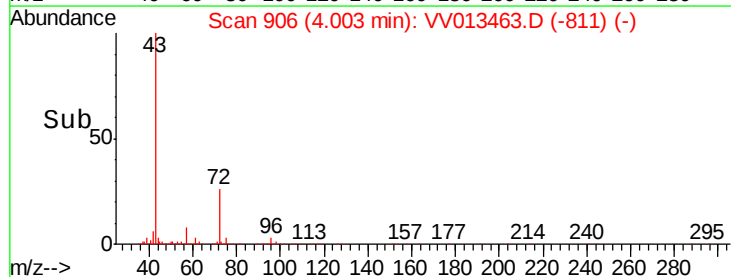
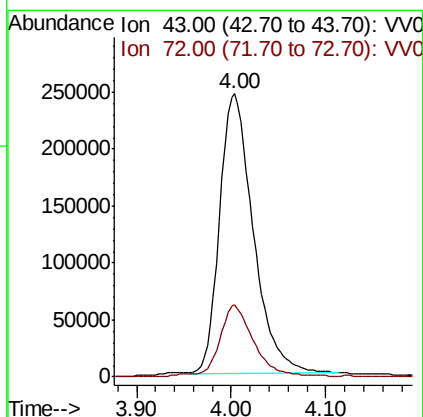
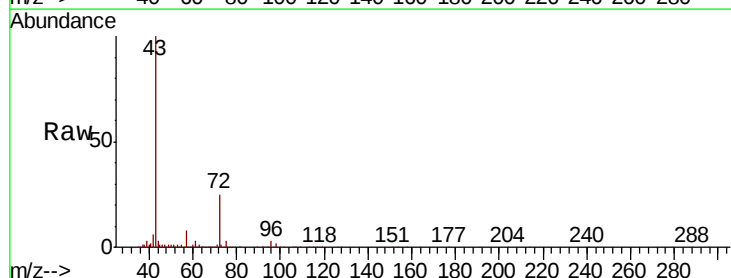
Ion	Ratio	Lower	Upper
63	100		
65	31.4	21.7	40.3
83	13.1	8.8	16.3

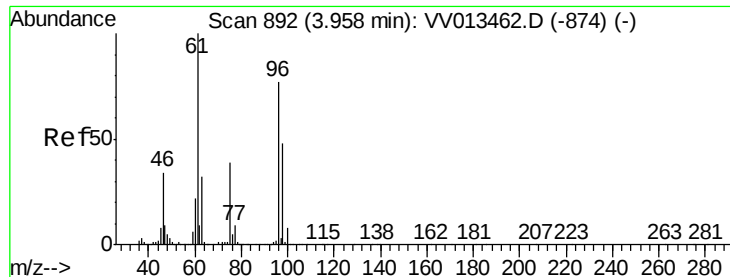


#21
 2-Butanone
 Concen: 121.386 ug/L
 RT: 4.00 min Scan# 906
 Delta R.T. -0.03 min
 Lab File: VV013463.D
 Acq: 01 Nov 2019 11:39

Tgt Ion: 43 Resp: 609813

Ion	Ratio	Lower	Upper
43	100		
72	26.2	12.1	36.3



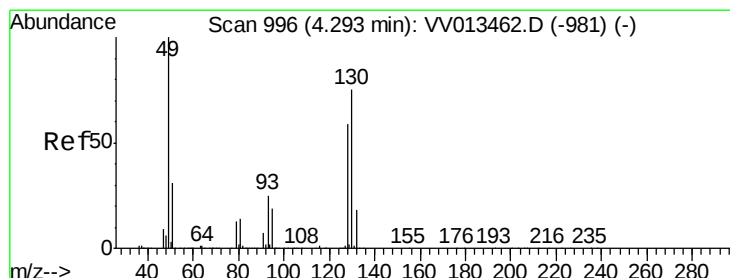
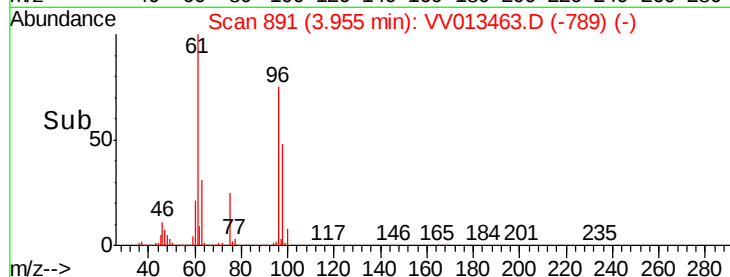
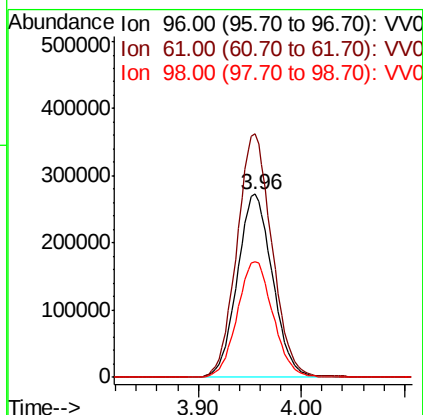
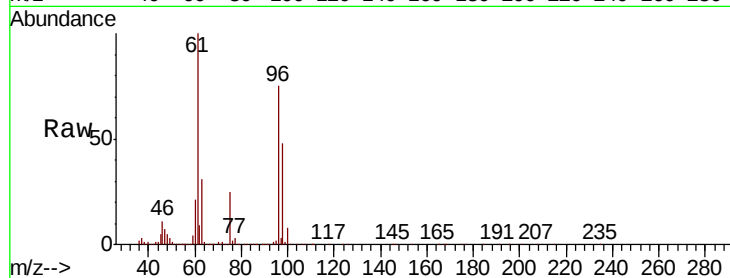


#22

cis-1,2-Dichloroethene
Concen: 57.084 ug/L
RT: 3.96 min Scan# 891
Delta R.T. -0.00 min
Lab File: VV013463.D
Acq: 01 Nov 2019 11:39

Instrument :
MSVOA_V
ClientSampleId :

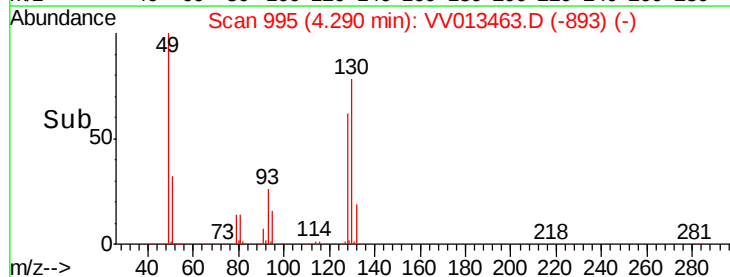
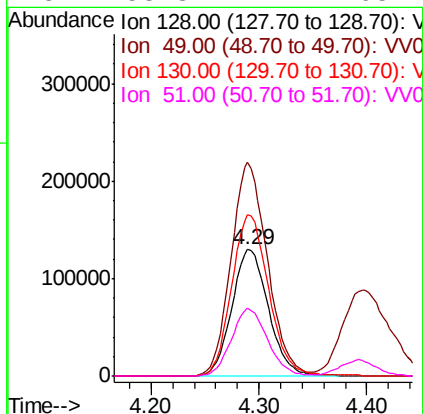
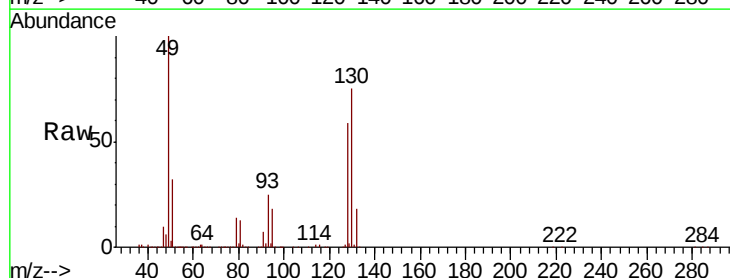
Tot Ion	Ratio	Lower	Upper
96	100		
61	133.0	91.5	169.9
98	63.4	43.8	81.3

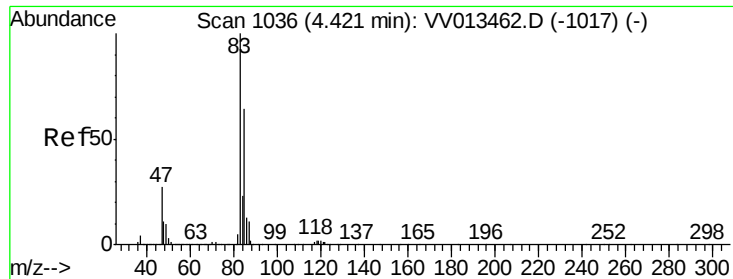


#23

Bromochloromethane
Concen: 54.838 ug/L
RT: 4.29 min Scan# 995
Delta R.T. -0.00 min
Lab File: VV013463.D
Acq: 01 Nov 2019 11:39

Tgt Ion	Ratio	Lower	Upper
128	100		
49	169.3	118.2	219.4
130	127.4	89.0	165.4
51	53.3	42.2	63.4





#25

Chloroform

Concen: 55.018 ug/L

RT: 4.42 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VV013463.D

Acq: 01 Nov 2019 11:39

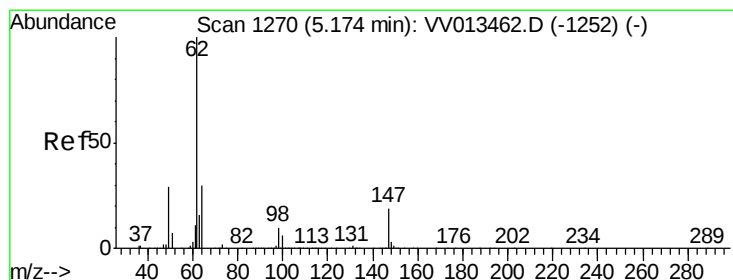
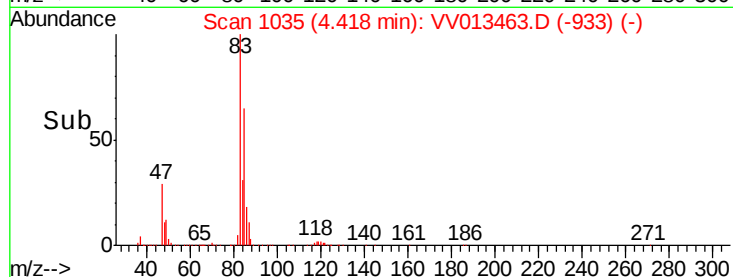
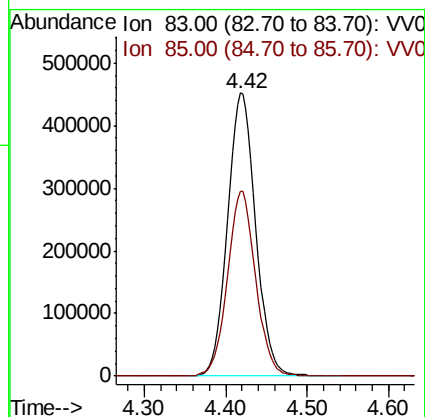
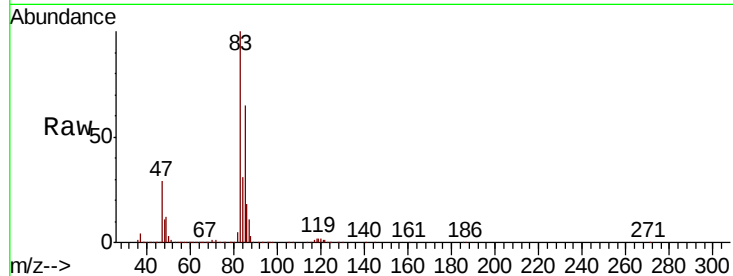
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 1097051

Ion Ratio Lower Upper

83 100

85 65.3 45.8 85.0



#27

1,2-Dichloroethane

Concen: 55.921 ug/L

RT: 5.17 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VV013463.D

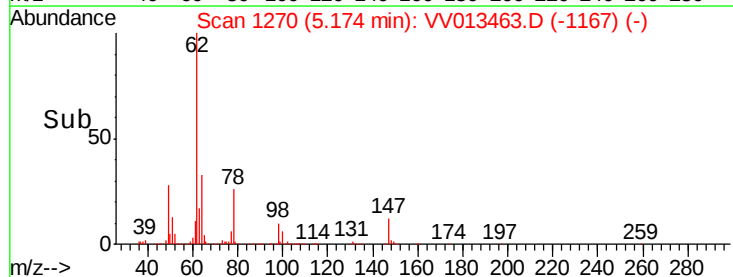
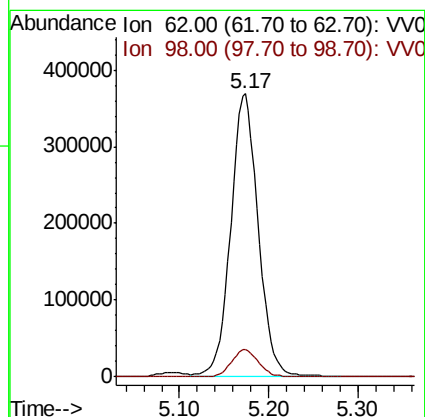
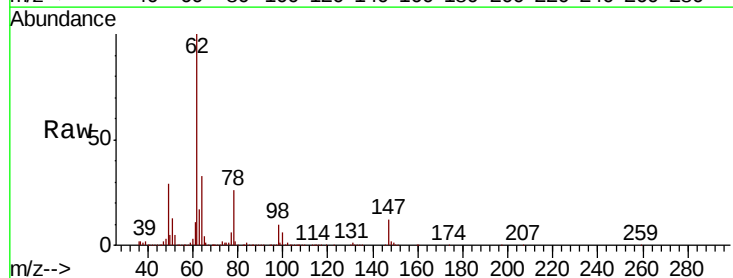
Acq: 01 Nov 2019 11:39

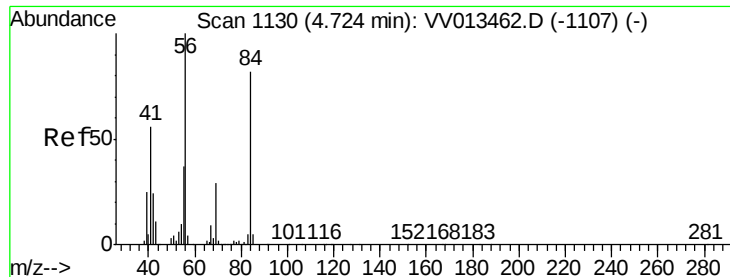
Tgt Ion: 62 Resp: 785017

Ion Ratio Lower Upper

62 100

98 9.7 7.8 11.6

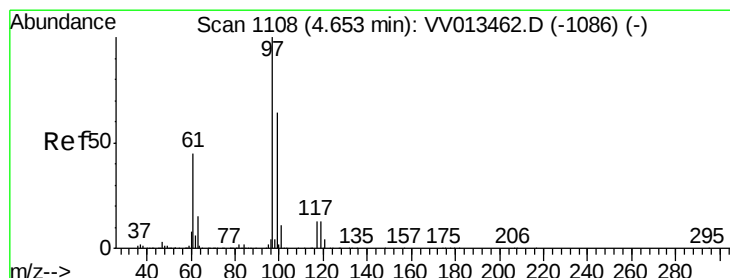
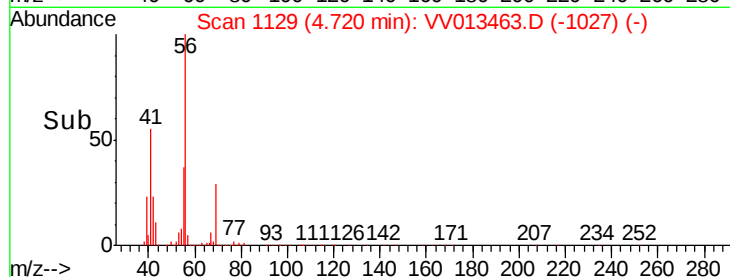
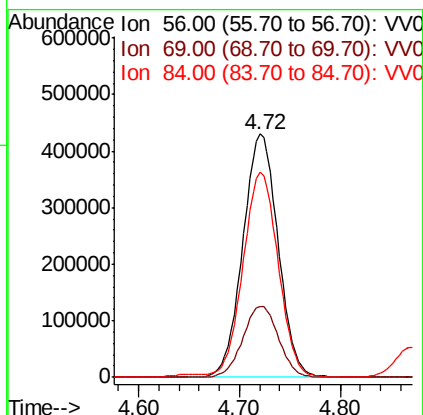
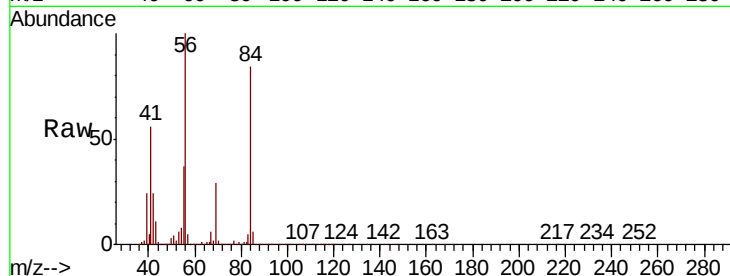




#30
Cvclohexane
Concen: 63.559 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VV013463.D
Acq: 01 Nov 2019 11:39

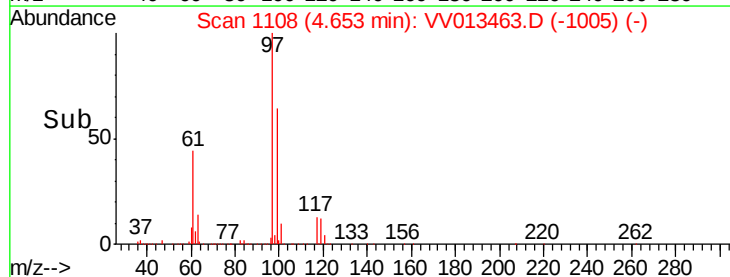
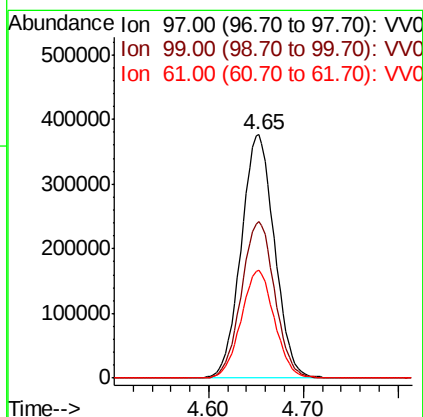
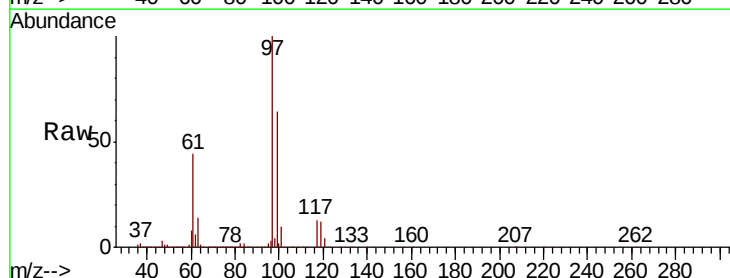
Instrument :
MSVOA_V
ClientSampled :

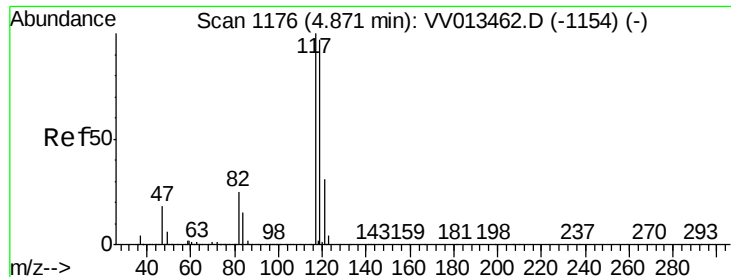
Tot Ion: 56 Resp: 1038967
Ion Ratio Lower Upper
56 100
69 29.5 23.0 34.6
84 84.4 66.2 99.4



#31
1,1,1-Trichloroethane
Concen: 60.956 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VV013463.D
Acq: 01 Nov 2019 11:39

Tgt Ion: 97 Resp: 920223
Ion Ratio Lower Upper
97 100
99 64.2 51.1 76.7
61 44.3 36.3 54.5





#32

Carbon tetrachloride

Concen: 60.739 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV013463.D

Acq: 01 Nov 2019 11:39

Instrument :

MSVOA_V

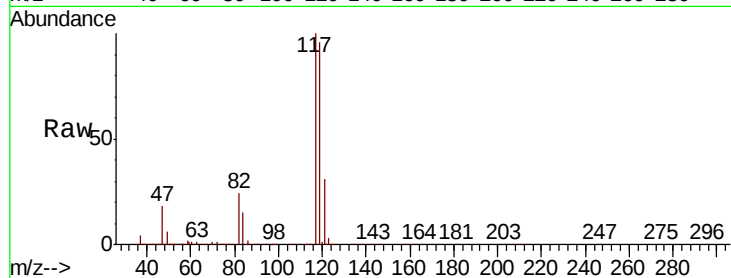
ClientSampleId :

Tot Ion:117 Resp: 831095

Ion Ratio Lower Upper

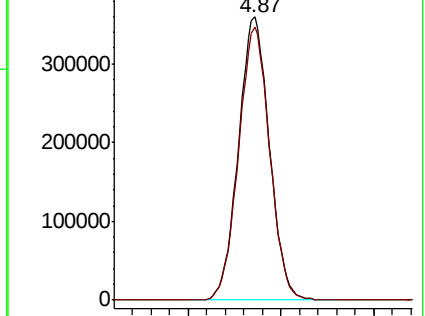
117 100

119 97.0 77.4 116.0

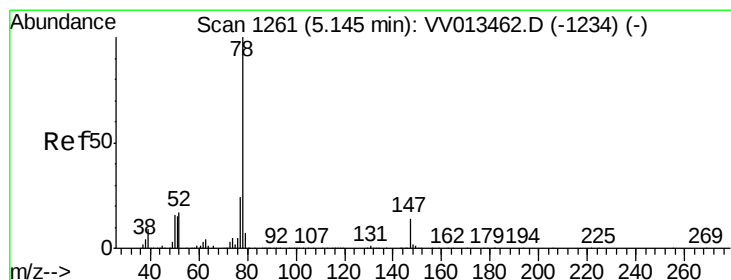
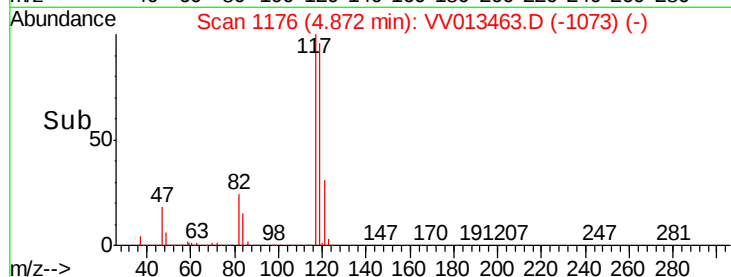


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#34

Benzene

Concen: 58.275 ug/L

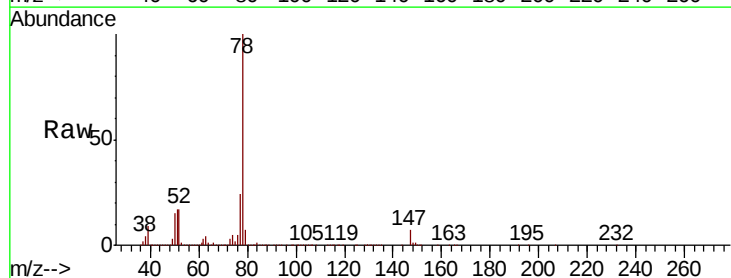
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

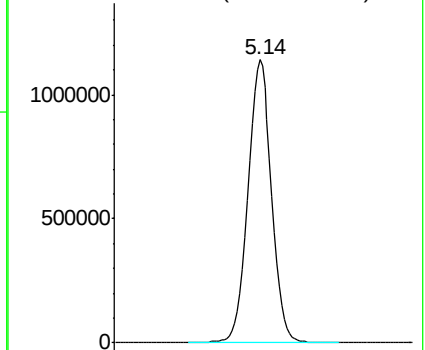
Lab File: VV013463.D

Acq: 01 Nov 2019 11:39

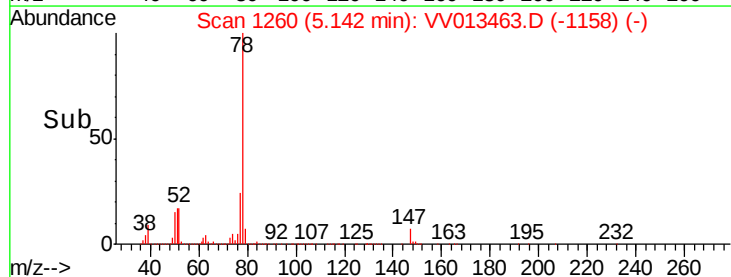
Tgt Ion: 78 Resp: 2422915

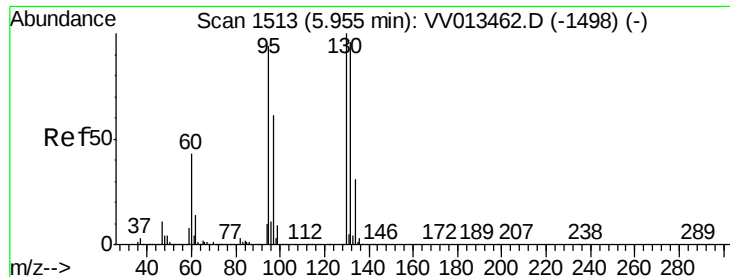


Abundance Ion 78.00 (77.70 to 78.70): VV0



Time-->





#35

Trichloroethene

Concen: 55.873 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV013463.D

Acq: 01 Nov 2019 11:39

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 644164

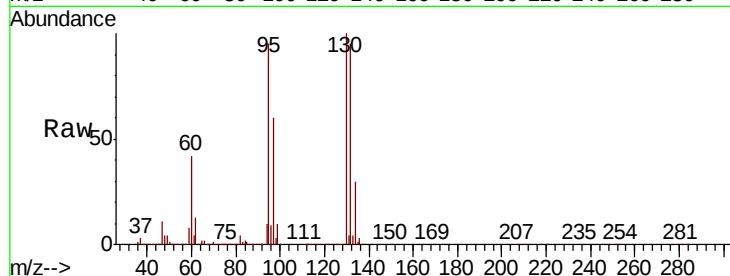
Ion Ratio Lower Upper

95 100

97 63.8 44.7 83.1

132 100.0 71.0 131.8

130 105.2 74.1 137.7

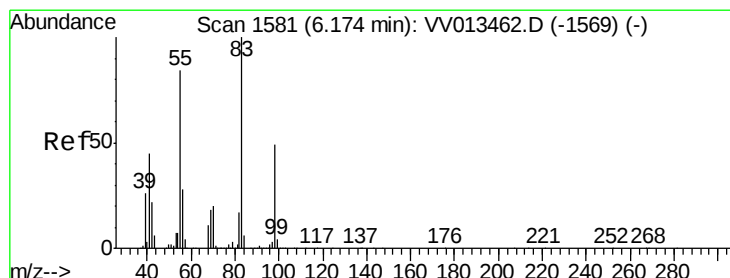
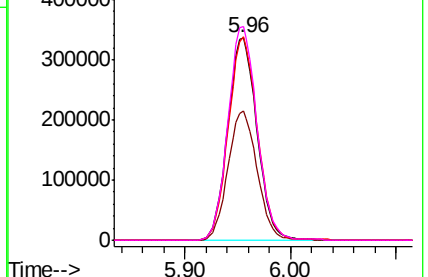
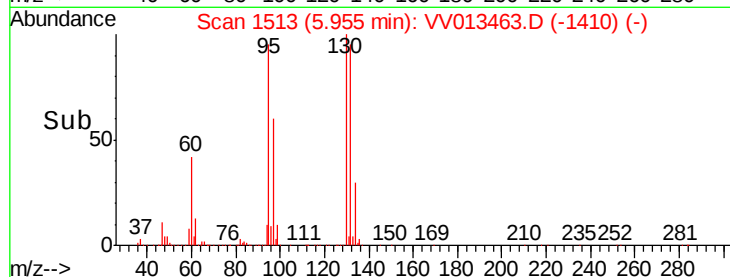


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#36

Methylcyclohexane

Concen: 59.385 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV013463.D

Acq: 01 Nov 2019 11:39

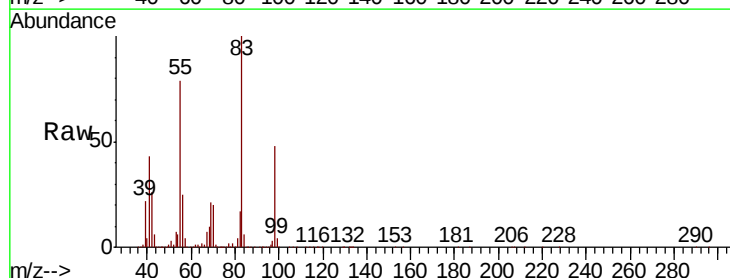
Tgt Ion: 83 Resp: 1056970

Ion Ratio Lower Upper

83 100

55 80.1 64.2 96.4

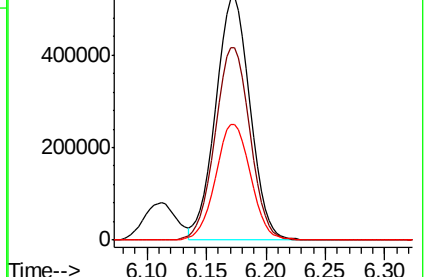
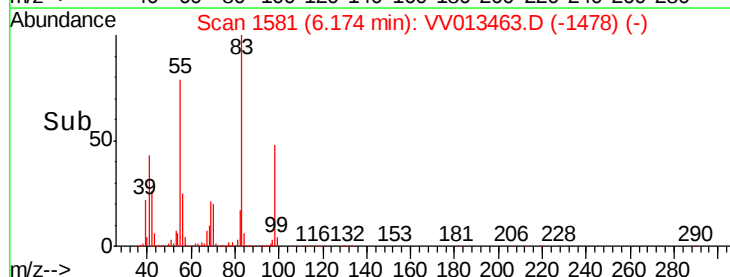
98 48.6 38.4 57.6

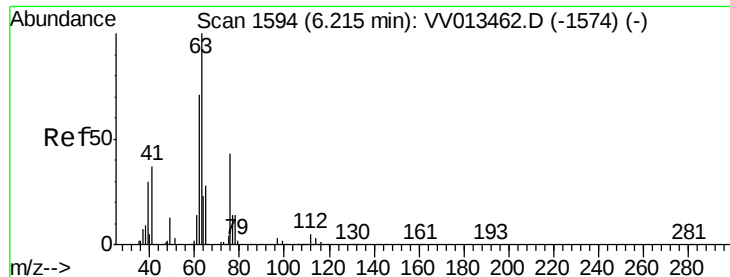


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#40

1,2-Dichloropropane

Concen: 56.217 ug/L

RT: 6.22 min Scan# 1594

Delta R.T. 0.00 min

Lab File: VV013463.D

Acq: 01 Nov 2019 11:39

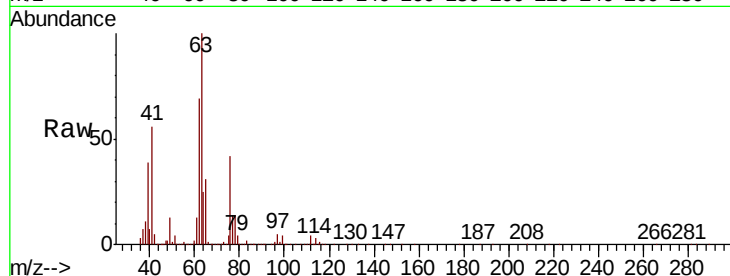
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 604893

Ion Ratio Lower Upper

63 100

112 4.6 3.8 5.6



Abundance Ion 63.00 (62.70 to 63.70): VV013462.D (-1574) (-)

Ion 112.00 (111.70 to 112.70): VV013462.D (-1574) (-)

6.22

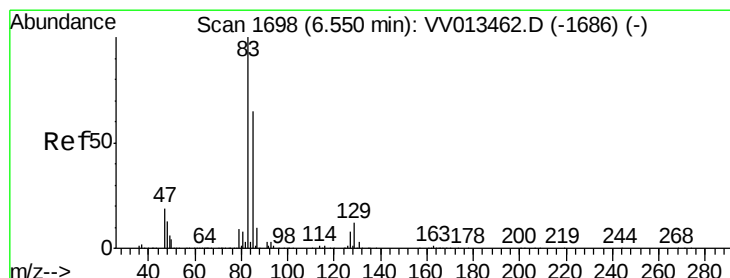
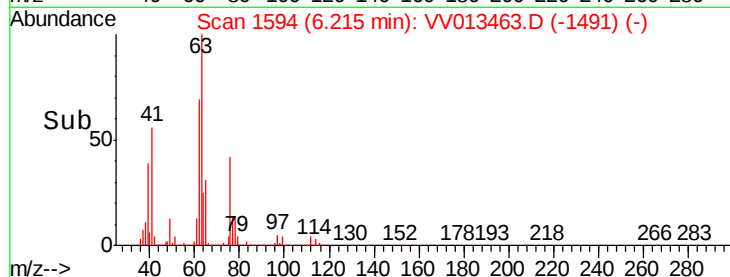
300000

200000

100000

0

Time--> 6.10 6.15 6.20 6.25 6.30



#41

Bromodichloromethane

Concen: 57.612 ug/L

RT: 6.55 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VV013463.D

Acq: 01 Nov 2019 11:39

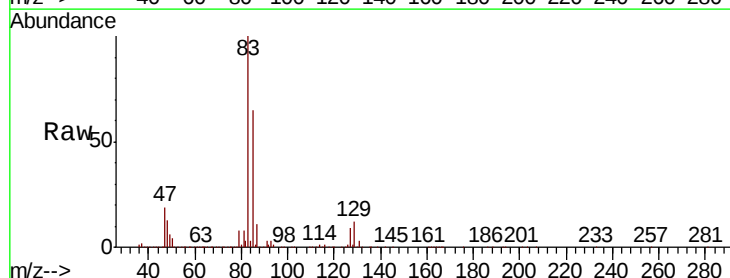
Tgt Ion: 83 Resp: 792805

Ion Ratio Lower Upper

83 100

85 65.3 45.4 84.4

127 8.9 6.7 10.1



Abundance Ion 83.00 (82.70 to 83.70): VV013462.D (-1686) (-)

Ion 85.00 (84.70 to 85.70): VV013462.D (-1686) (-)

Ion 127.00 (126.70 to 127.70): VV013462.D (-1686) (-)

6.55

600000

500000

400000

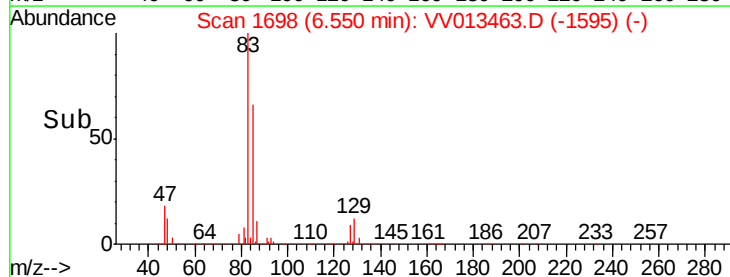
300000

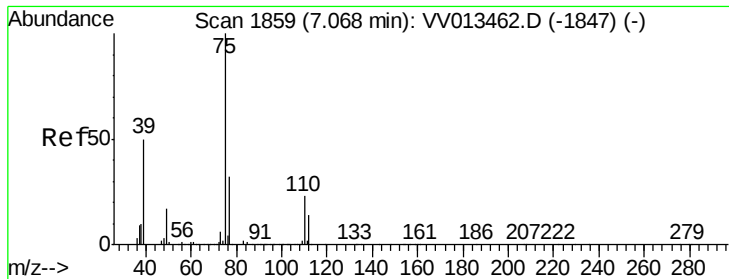
200000

100000

0

Time--> 6.45 6.50 6.55 6.60 6.65



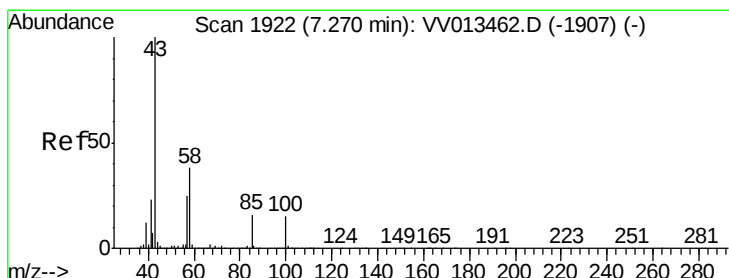
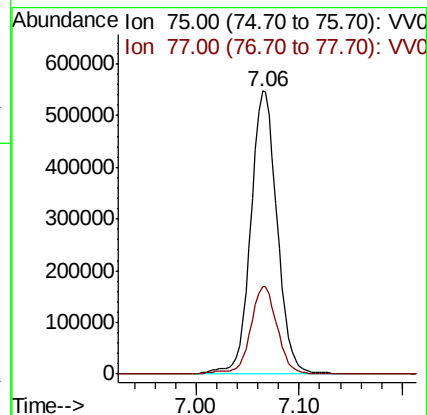
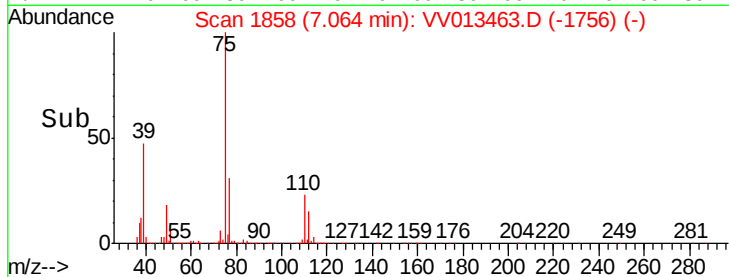
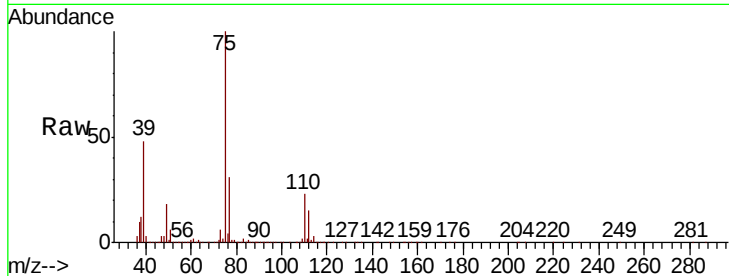


#42

cis-1,3-Dichloropropene
Concen: 61.607 ug/L
RT: 7.06 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VV013463.D
Acq: 01 Nov 2019 11:39

Instrument :
MSVOA_V
ClientSampleId :

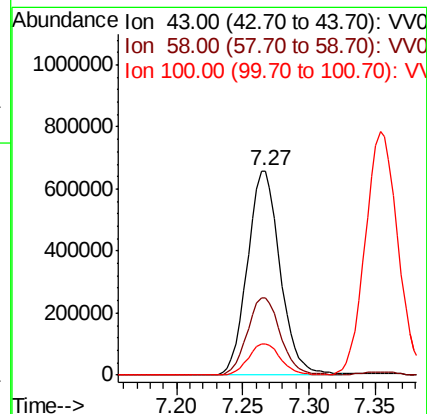
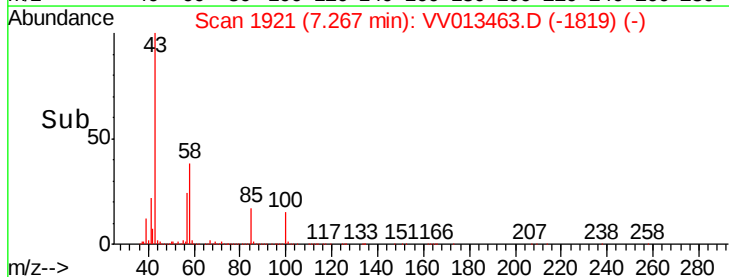
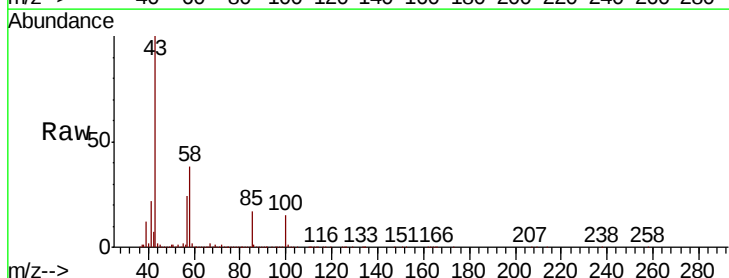
Tot Ion: 75 Resp: 967220
Ion Ratio Lower Upper
75 100
77 30.9 22.7 42.1

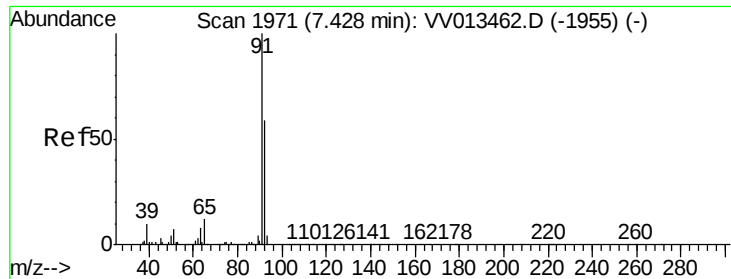


#43

4-Methyl-2-pentanone
Concen: 126.460 ug/L
RT: 7.27 min Scan# 1921
Delta R.T. -0.00 min
Lab File: VV013463.D
Acq: 01 Nov 2019 11:39

Tgt Ion: 43 Resp: 1125478
Ion Ratio Lower Upper
43 100
58 38.5 29.9 44.9
100 15.3 11.5 17.3





#44

Toluene

Concen: 57.981 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013463.D

Acq: 01 Nov 2019 11:39

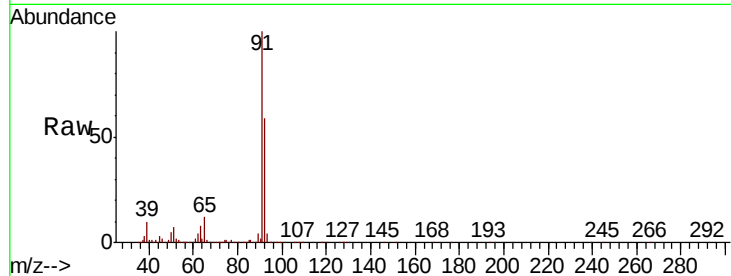
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 2521885

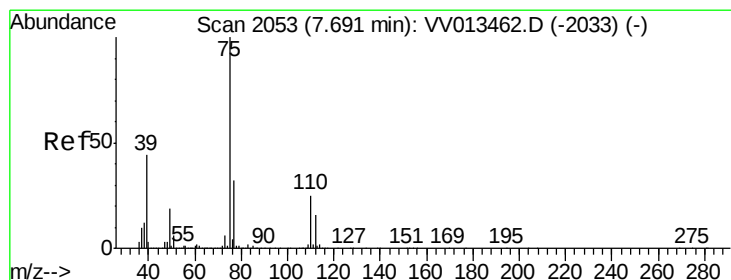
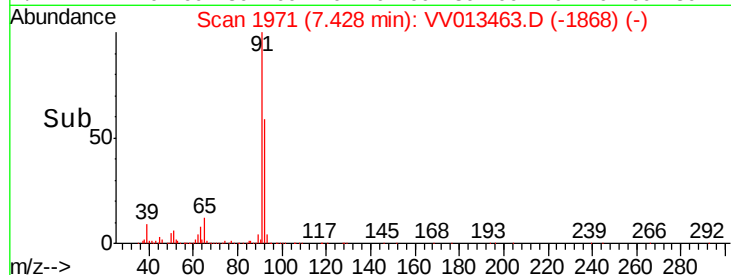
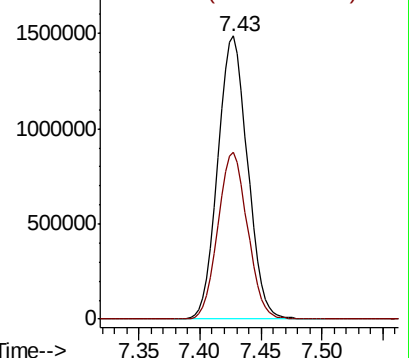
Ion Ratio Lower Upper

91 100

92 59.1 41.4 76.8



Abundance Ion 91.00 (90.70 to 91.70): VV013462.D (-1955) (-)



#45

trans-1,3-Dichloropropene

Concen: 59.494 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV013463.D

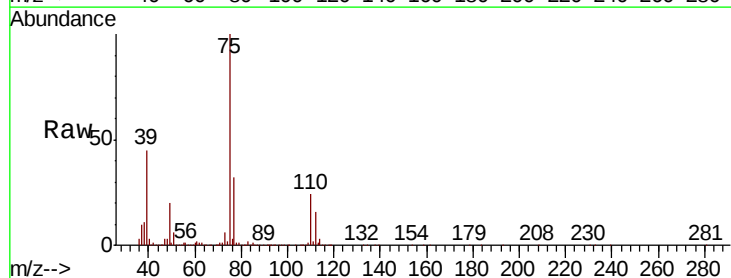
Acq: 01 Nov 2019 11:39

Tgt Ion: 75 Resp: 794703

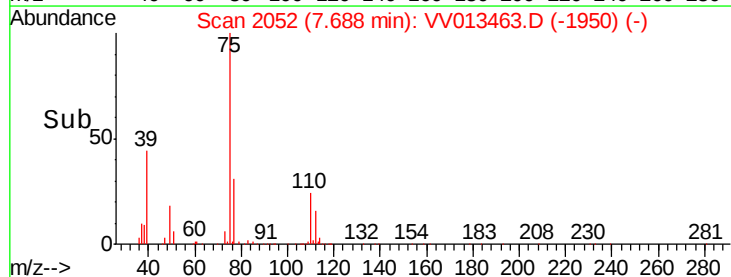
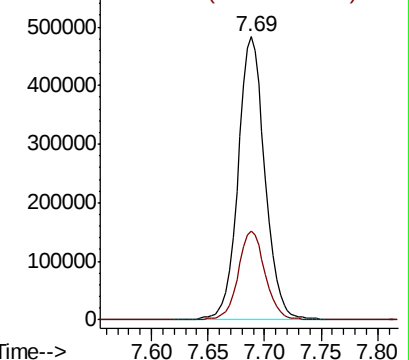
Ion Ratio Lower Upper

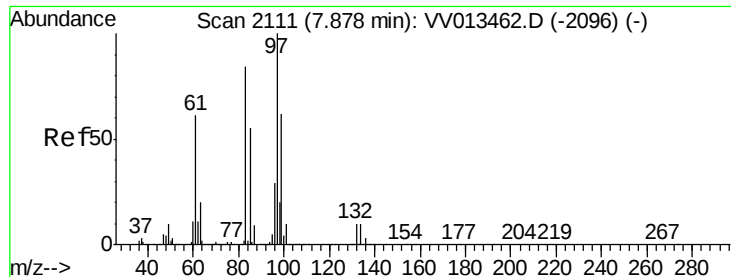
75 100

77 31.6 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VV013462.D (-2033) (-)

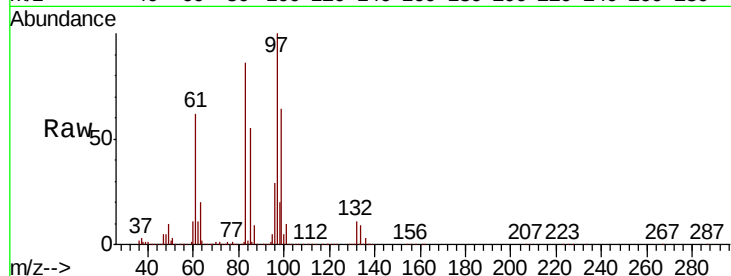




#46
 1,1,2-Trichloroethane
 Concen: 53.355 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VV013463.D
 Acq: 01 Nov 2019 11:39

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	479224
Ion	Ratio	Lower	Upper
97	100		
83	85.9	58.9	109.3
85	54.7	38.6	71.6
99	63.7	43.6	81.0

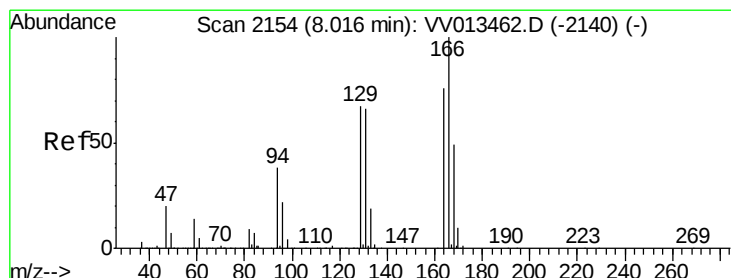
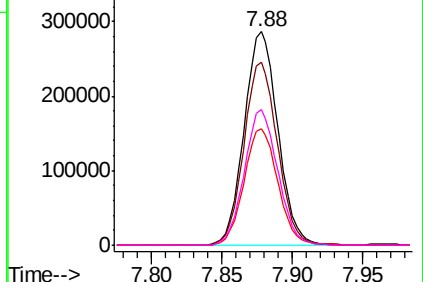
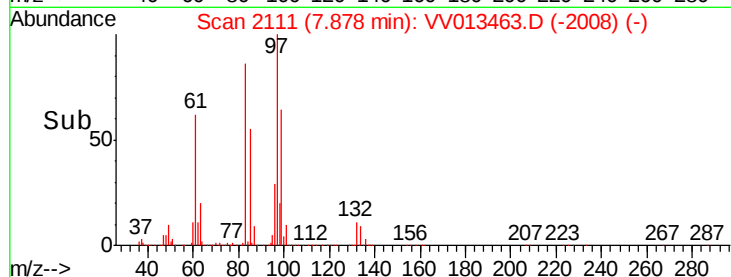


Abundance Ion 97.00 (96.70 to 97.70): VV013463.D (-2096) (-)

Ion 83.00 (82.70 to 83.70): VV013463.D (-2096) (-)

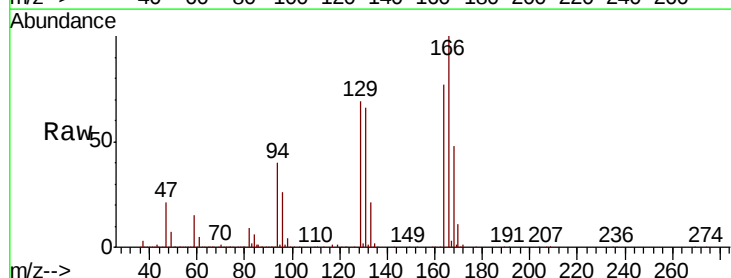
Ion 85.00 (84.70 to 85.70): VV013463.D (-2096) (-)

Ion 99.00 (98.70 to 99.70): VV013463.D (-2096) (-)



#47
 Tetrachloroethene
 Concen: 56.850 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV013463.D
 Acq: 01 Nov 2019 11:39

Tgt Ion:	164	Resp:	539268
Ion	Ratio	Lower	Upper
164	100		
129	89.1	61.8	114.8
131	85.0	61.0	113.2
166	129.8	92.1	171.1

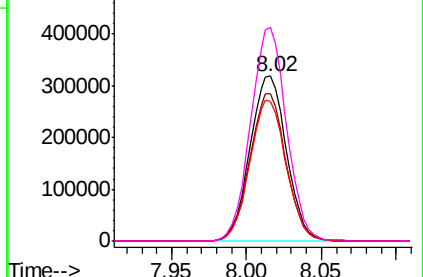
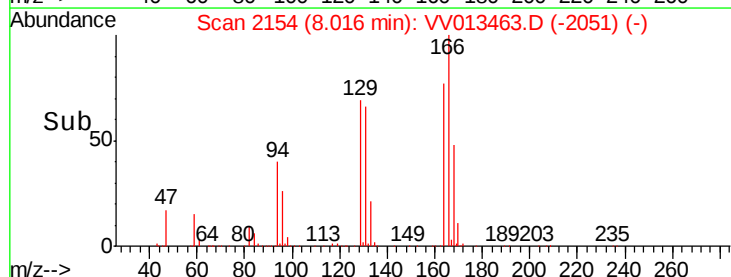


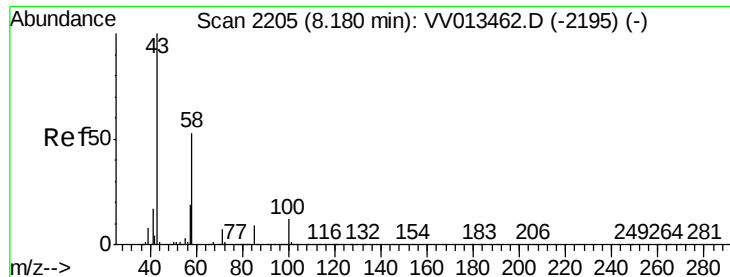
Abundance Ion 164.00 (163.70 to 164.70): VV013463.D (-2140) (-)

Ion 129.00 (128.70 to 129.70): VV013463.D (-2140) (-)

Ion 131.00 (130.70 to 131.70): VV013463.D (-2140) (-)

Ion 166.00 (165.70 to 166.70): VV013463.D (-2140) (-)





#49

2-Hexanone

Concen: 127.216 ug/L

RT: 8.18 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VV013463.D

Acq: 01 Nov 2019 11:39

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 840556

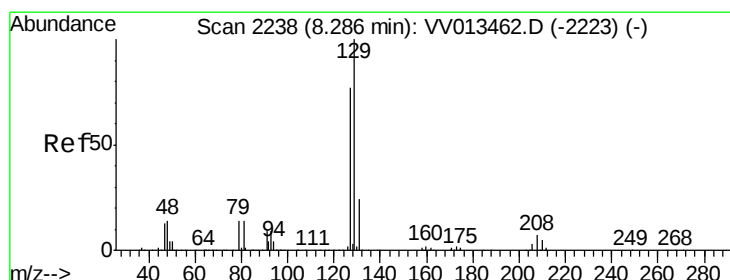
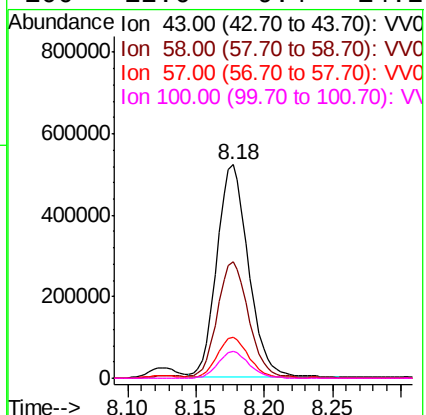
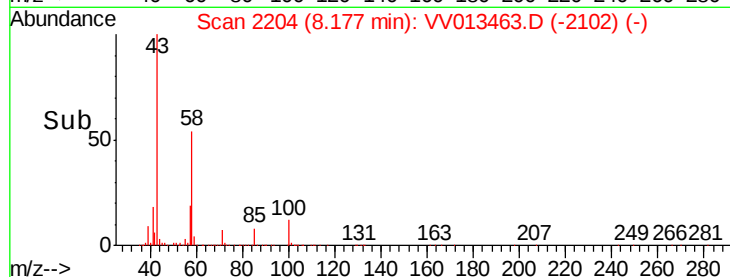
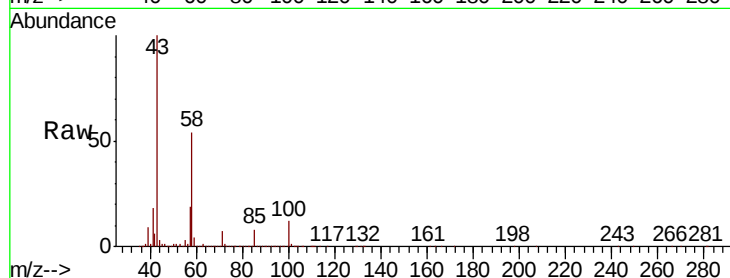
Ion Ratio Lower Upper

43 100

58 55.0 43.8 65.8

57 18.6 15.0 22.4

100 12.6 9.4 14.2



#50

Dibromochloromethane

Concen: 55.735 ug/L

RT: 8.29 min Scan# 2238

Delta R.T. 0.00 min

Lab File: VV013463.D

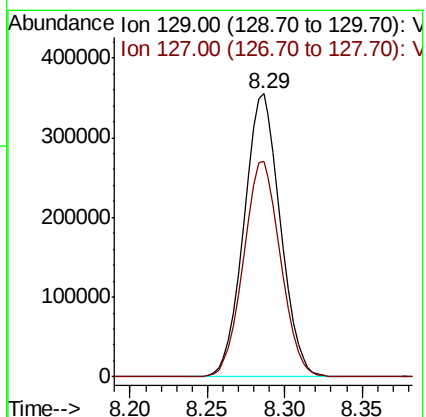
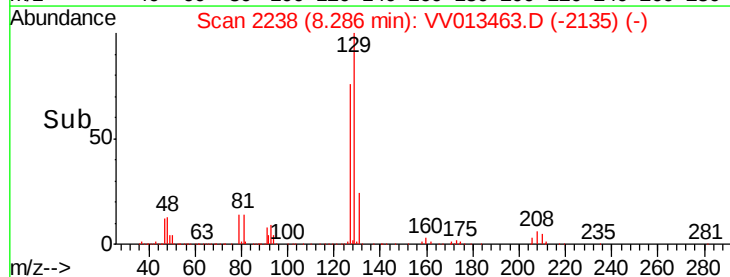
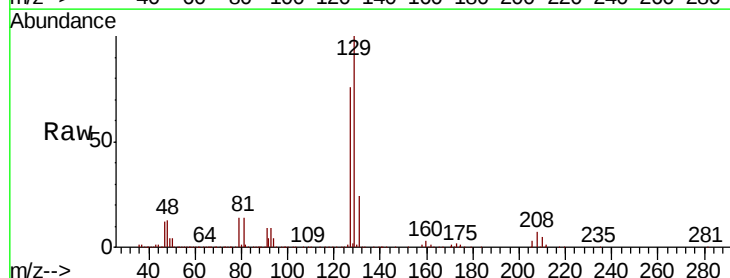
Acq: 01 Nov 2019 11:39

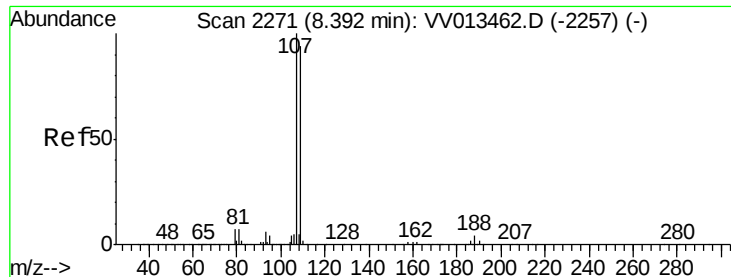
Tgt Ion: 129 Resp: 581690

Ion Ratio Lower Upper

129 100

127 76.4 53.9 100.1





#51

1,2-Dibromoethane

Concen: 55.858 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VV013463.D

Acq: 01 Nov 2019 11:39

Instrument :

MSVOA_V

ClientSampleId :

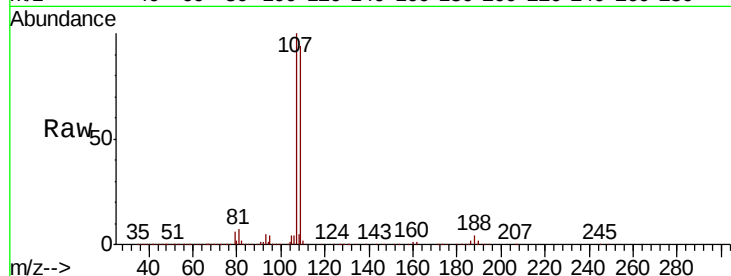
Tot Ion:107 Resp: 495788

Ion Ratio Lower Upper

107 100

109 93.6 65.6 121.8

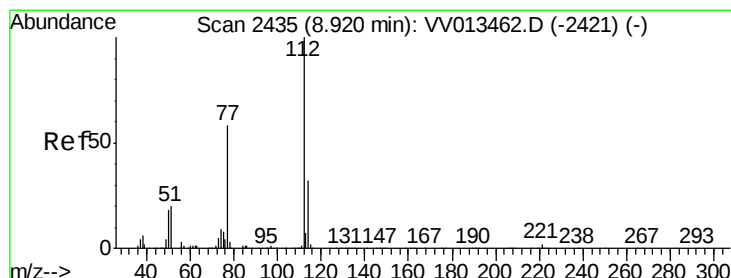
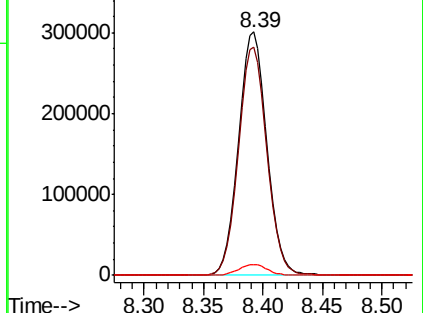
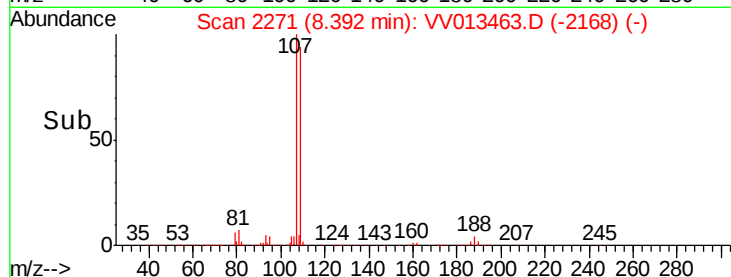
188 4.4 3.5 5.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 54.822 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. 0.00 min

Lab File: VV013463.D

Acq: 01 Nov 2019 11:39

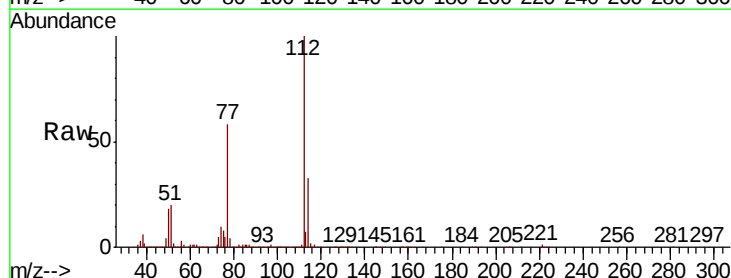
Tgt Ion:112 Resp: 1646952

Ion Ratio Lower Upper

112 100

77 58.3 46.6 70.0

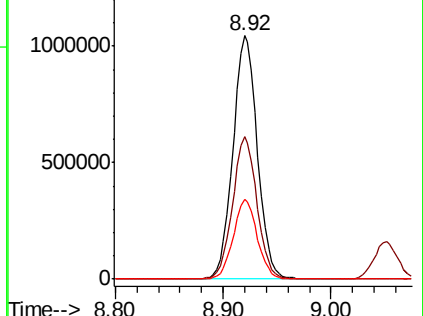
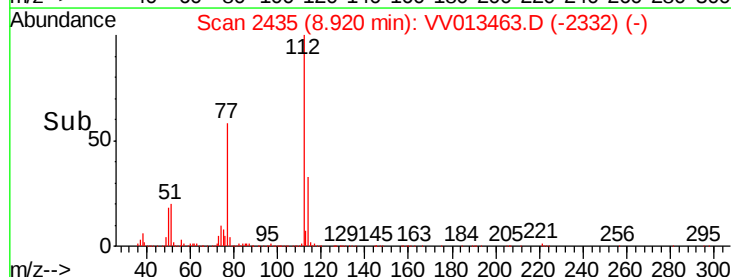
114 32.7 22.5 41.9

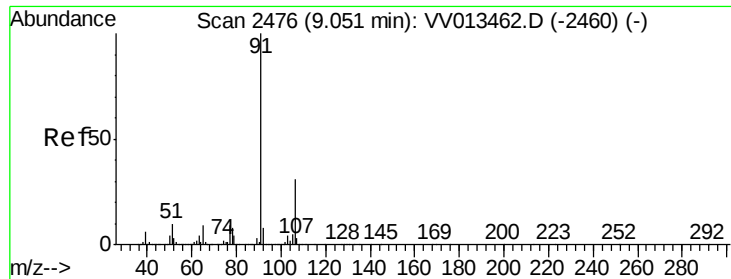


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 58.067 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013463.D

Acq: 01 Nov 2019 11:39

Instrument :

MSVOA_V

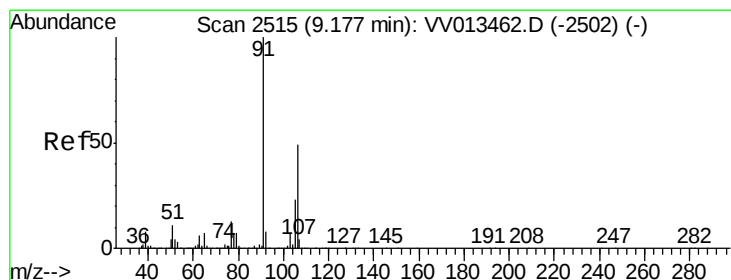
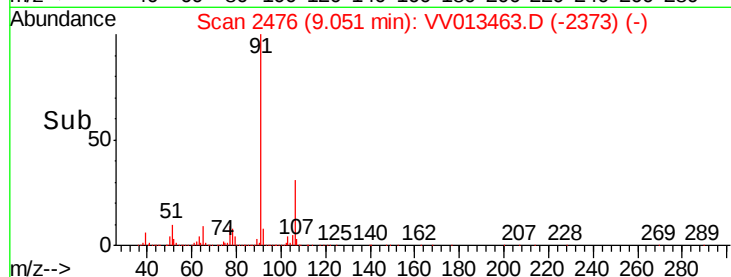
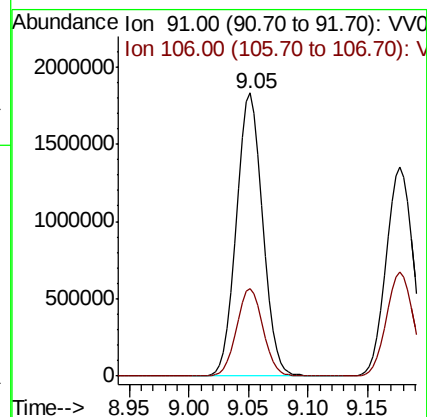
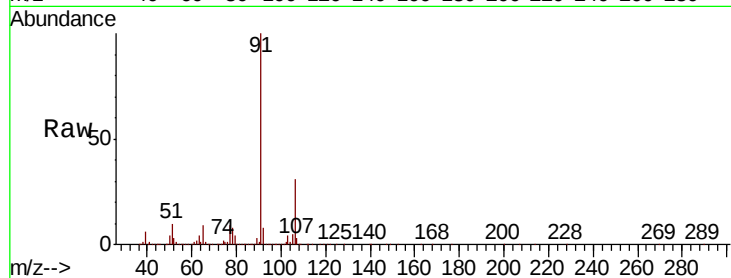
ClientSampleId :

Tot Ion: 91 Resp: 2801517

Ion Ratio Lower Upper

91 100

106 31.0 21.5 39.9



#54

m,p-Xylene

Concen: 58.201 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013463.D

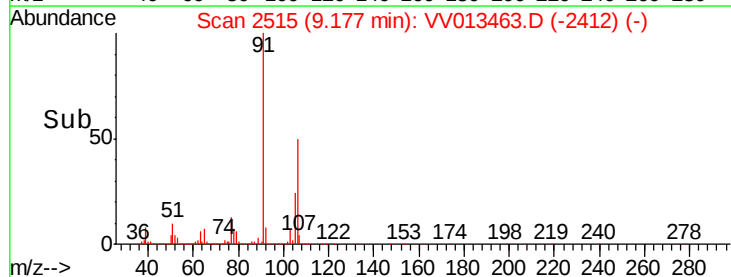
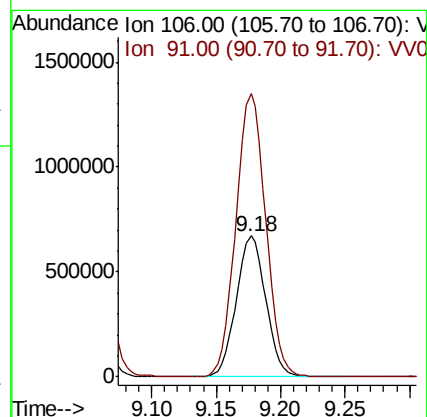
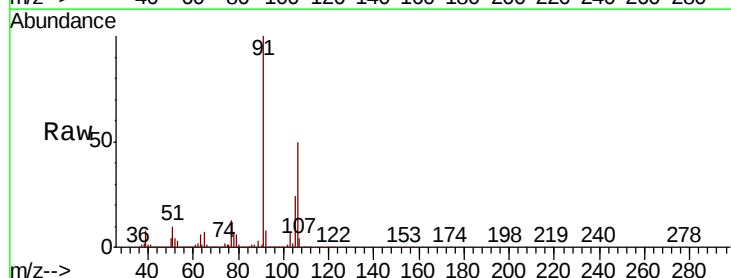
Acq: 01 Nov 2019 11:39

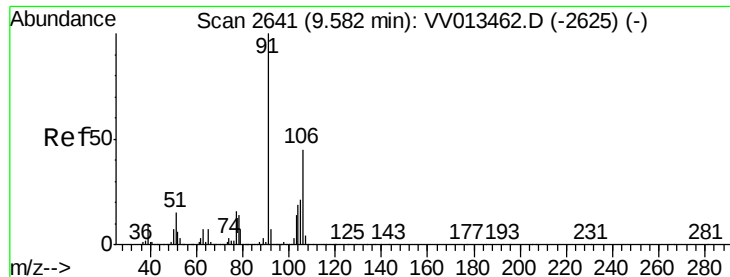
Tgt Ion: 106 Resp: 1063157

Ion Ratio Lower Upper

106 100

91 201.0 141.7 263.1





#55

o-xylene

Concen: 59.714 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV013463.D

Acq: 01 Nov 2019 11:39

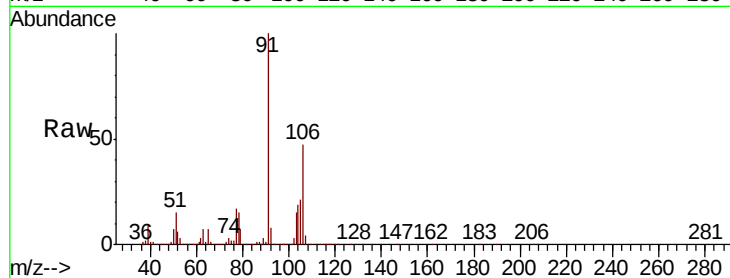
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 1030613

Ion Ratio Lower Upper

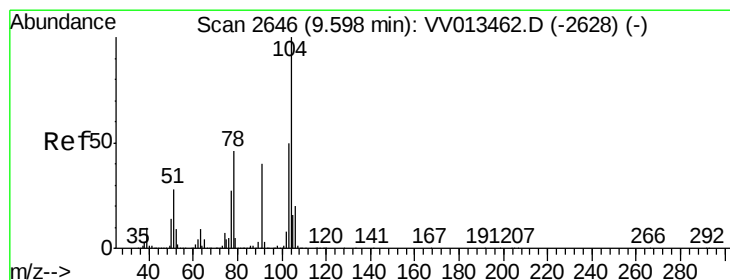
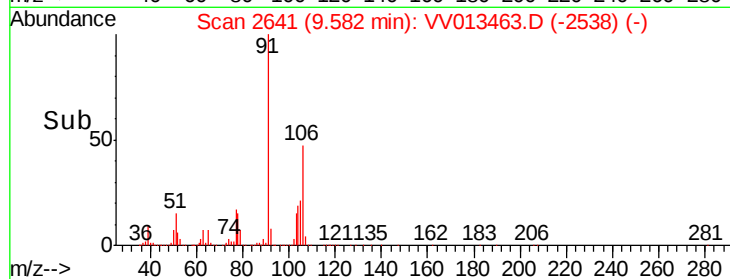
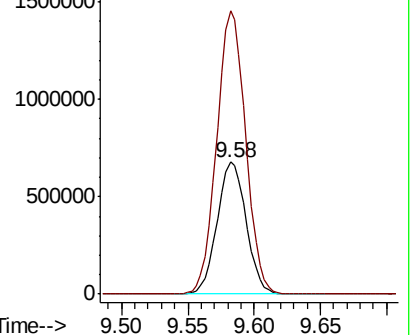
106 100

91 214.8 154.2 286.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 59.613 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV013463.D

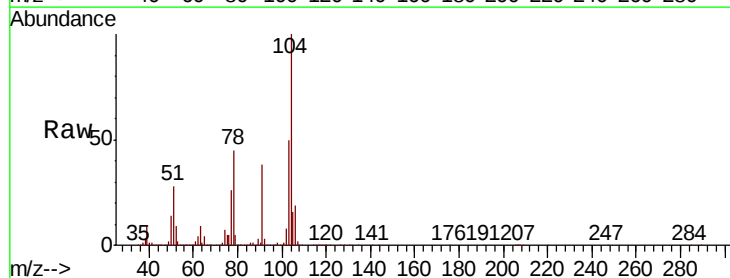
Acq: 01 Nov 2019 11:39

Tgt Ion:104 Resp: 1807406

Ion Ratio Lower Upper

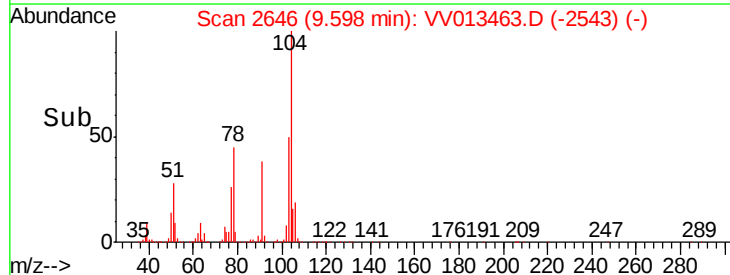
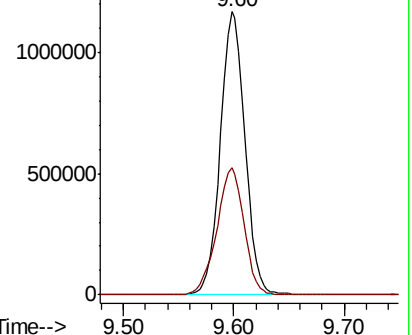
104 100

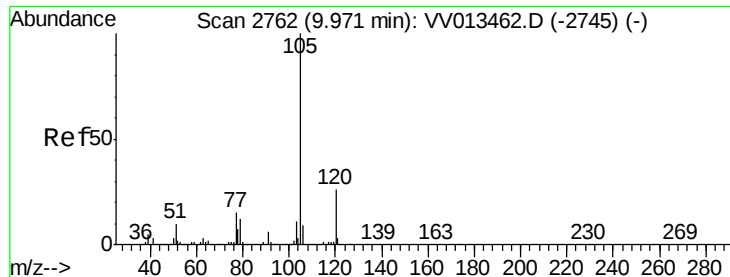
78 44.8 32.1 59.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 60.519 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013463.D

Acq: 01 Nov 2019 11:39

Instrument :

MSVOA_V

ClientSampleId :

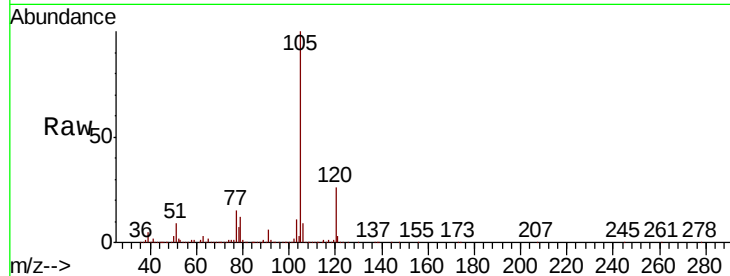
Tot Ion:105 Resp: 2783101

Ion Ratio Lower Upper

105 100

120 26.5 21.1 31.7

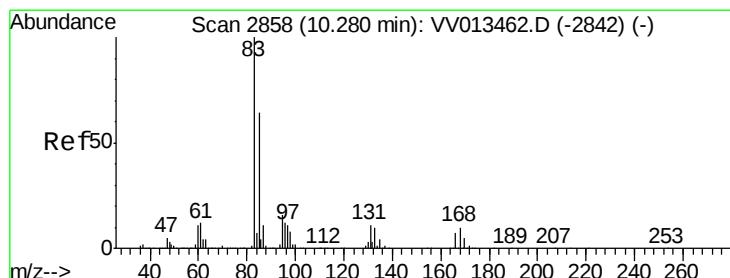
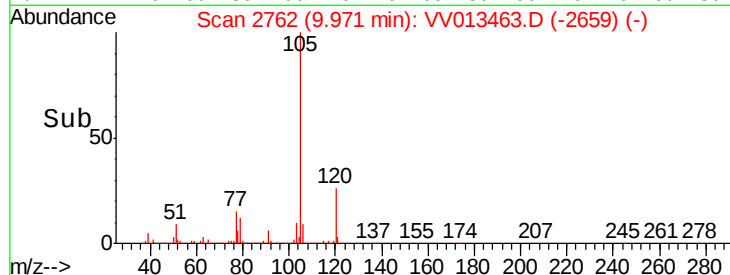
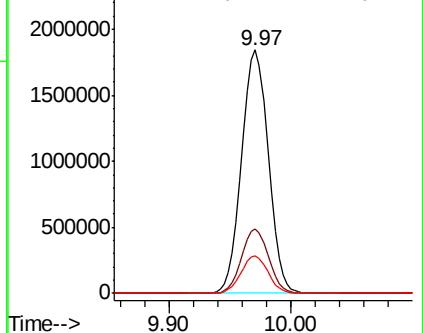
77 15.3 12.3 18.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 57.054 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV013463.D

Acq: 01 Nov 2019 11:39

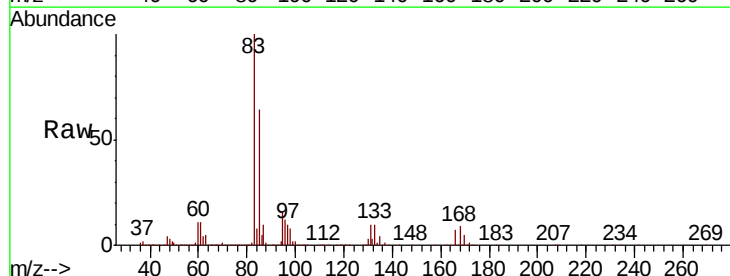
Tgt Ion: 83 Resp: 632826

Ion Ratio Lower Upper

83 100

85 63.8 45.1 83.7

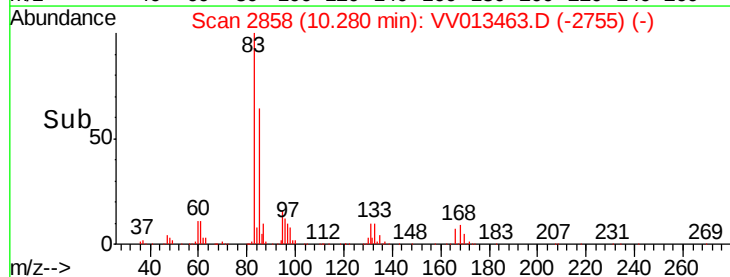
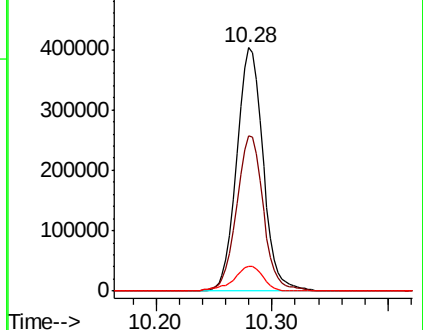
131 10.4 8.5 12.7

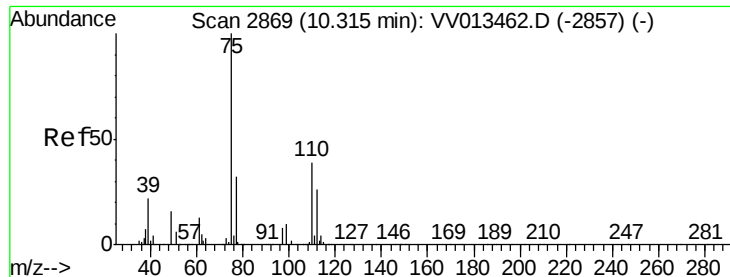


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 56.742 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV013463.D

Acq: 01 Nov 2019 11:39

Instrument :

MSVOA_V

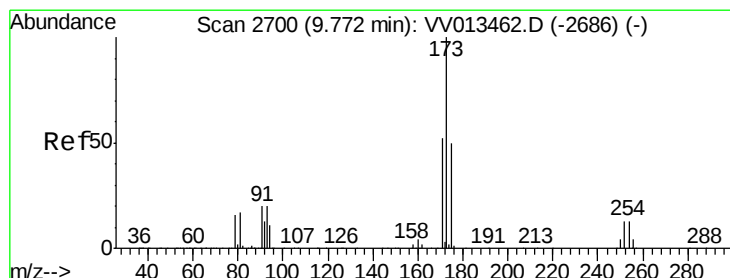
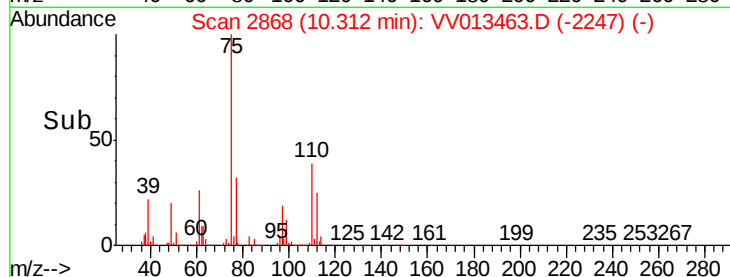
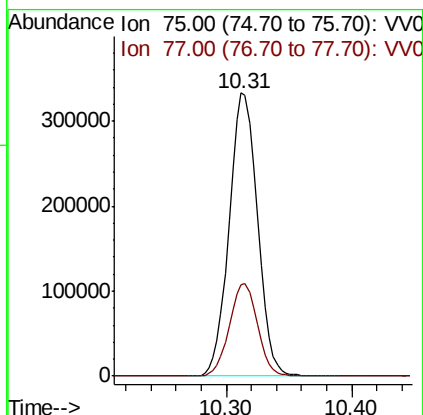
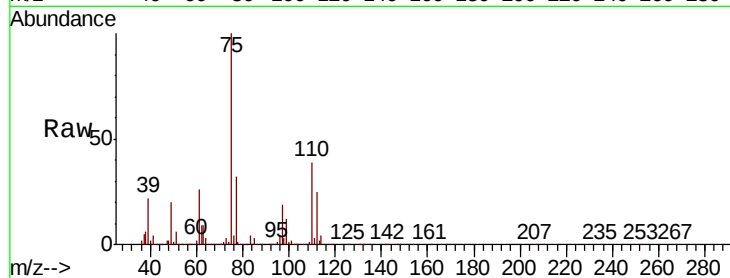
ClientSampleId :

Tot Ion: 75 Resp: 521751

Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5



#62

Bromoform

Concen: 57.717 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV013463.D

Acq: 01 Nov 2019 11:39

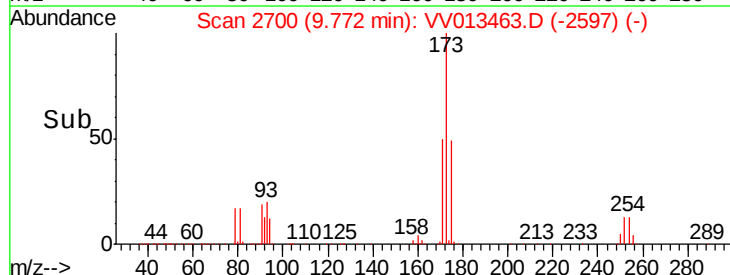
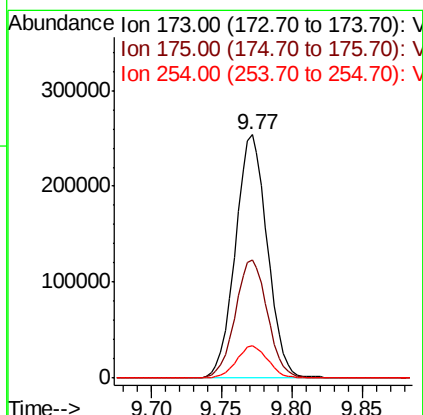
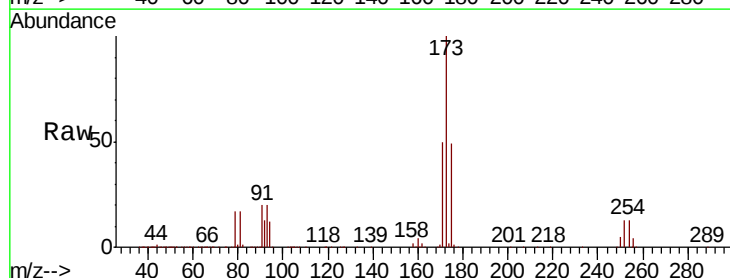
Tgt Ion: 173 Resp: 402834

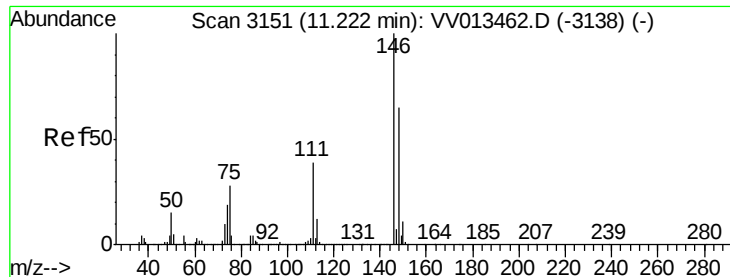
Ion Ratio Lower Upper

173 100

175 48.9 39.4 59.0

254 13.0 10.1 15.1

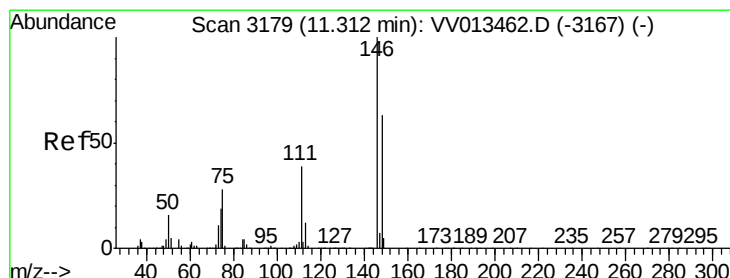
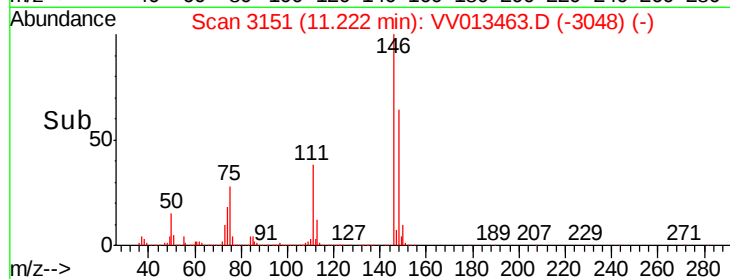
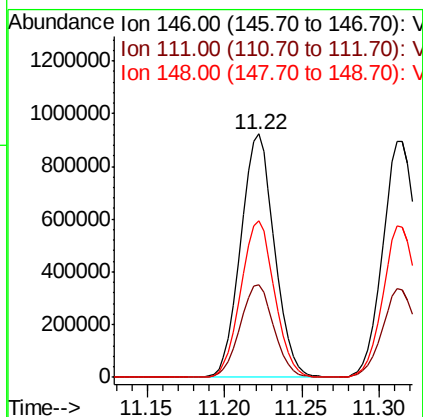
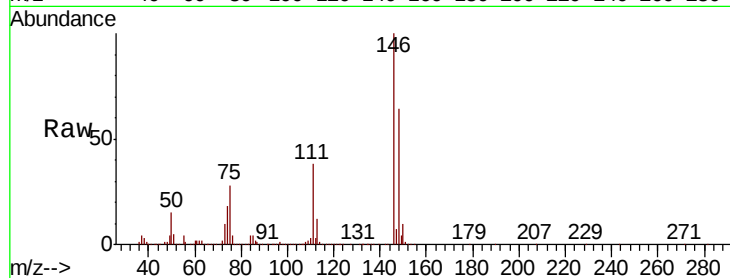




#63
 1,3-Dichlorobenzene
 Concen: 55.759 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV013463.D
 Acq: 01 Nov 2019 11:39

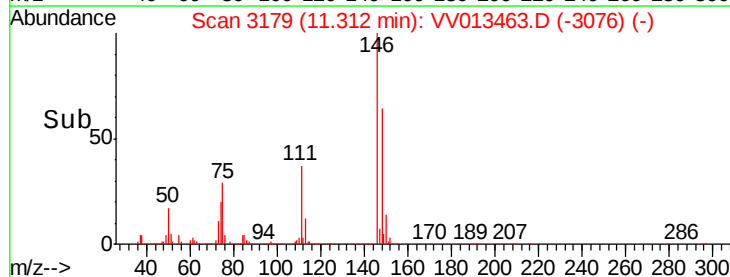
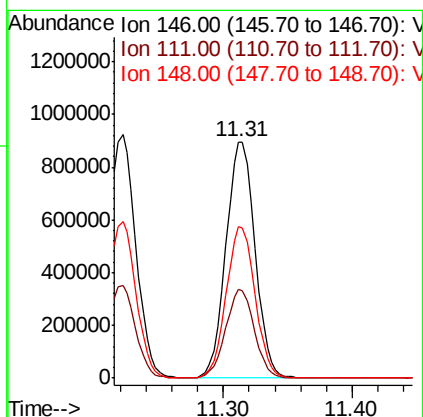
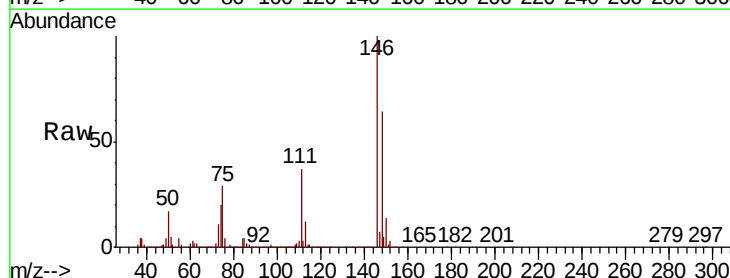
Instrument :
 MSVOA_V
 ClientSampled :

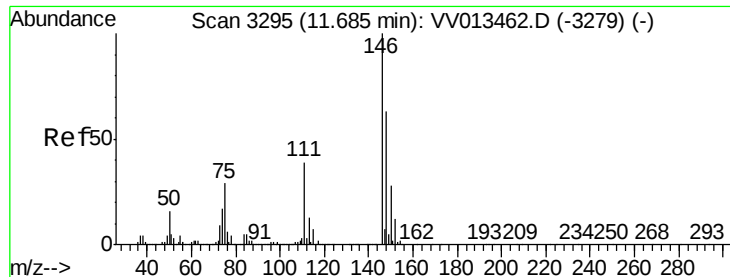
Tot Ion:146 Resp: 1401740
 Ion Ratio Lower Upper
 146 100
 111 38.2 27.1 50.3
 148 64.4 45.4 84.2



#64
 1,4-Dichlorobenzene
 Concen: 53.157 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV013463.D
 Acq: 01 Nov 2019 11:39

Tgt Ion:146 Resp: 1393380
 Ion Ratio Lower Upper
 146 100
 111 37.4 27.2 50.6
 148 64.0 44.4 82.5





#65

1,2-Dichlorobenzene

Concen: 54.265 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV013463.D

Acq: 01 Nov 2019 11:39

Instrument :

MSVOA_V

ClientSampleId :

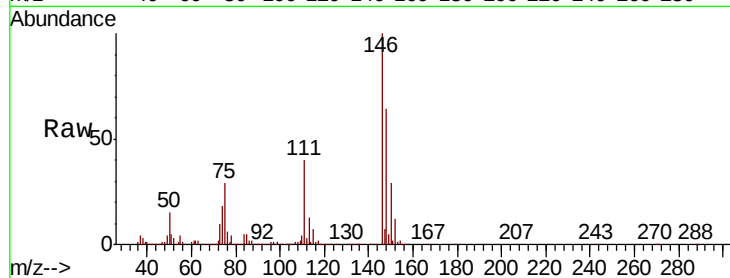
Tot Ion:146 Resp: 1292512

Ion Ratio Lower Upper

146 100

111 39.9 31.4 47.2

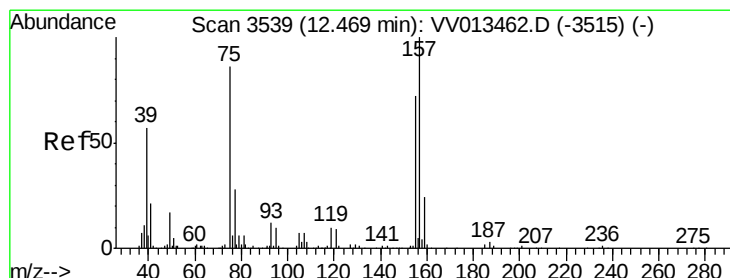
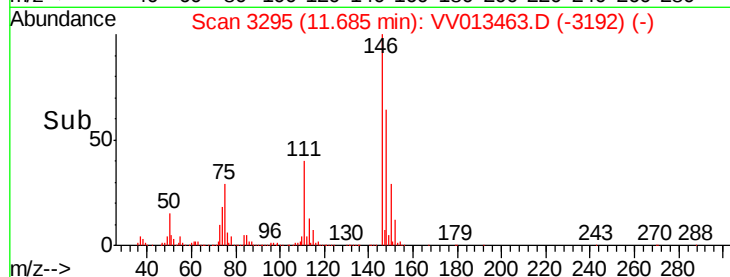
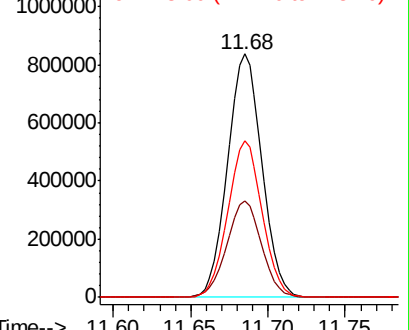
148 64.3 50.5 75.7



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



#66

1,2-Dibromo-3-chloropropane

Concen: 57.662 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. 0.00 min

Lab File: VV013463.D

Acq: 01 Nov 2019 11:39

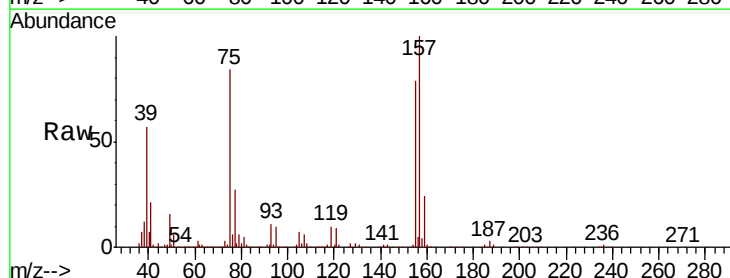
Tgt Ion: 75 Resp: 119950

Ion Ratio Lower Upper

75 100

157 118.6 93.2 139.8

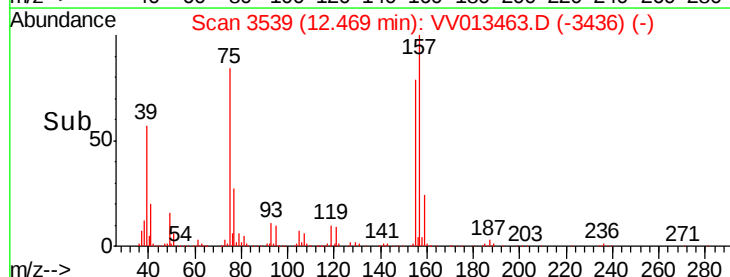
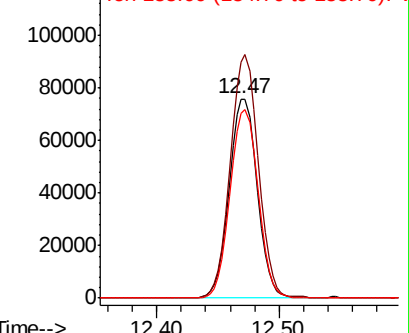
155 93.1 66.9 100.3

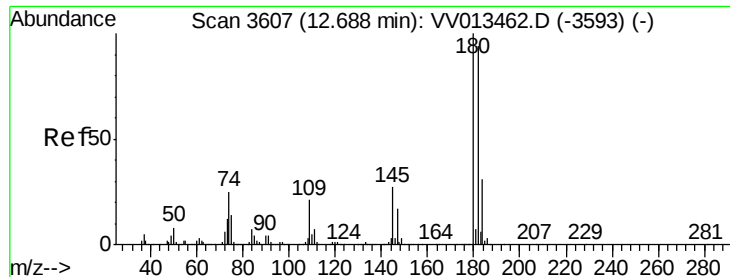


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

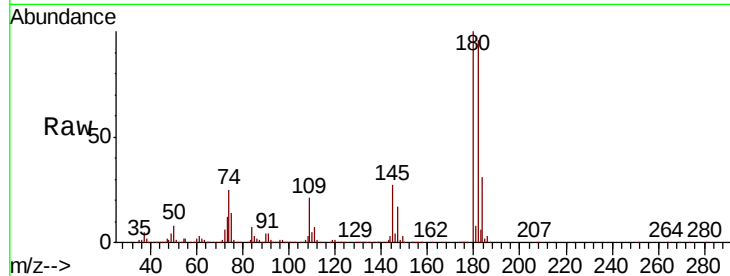




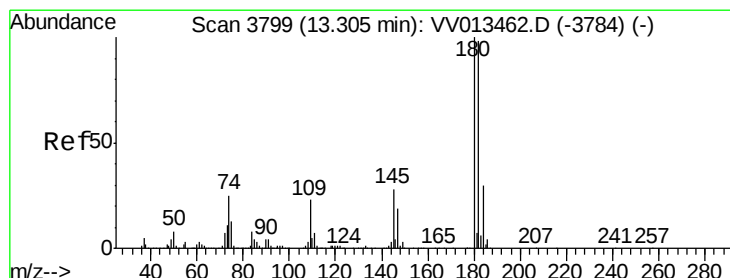
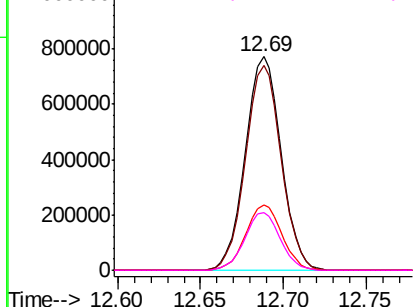
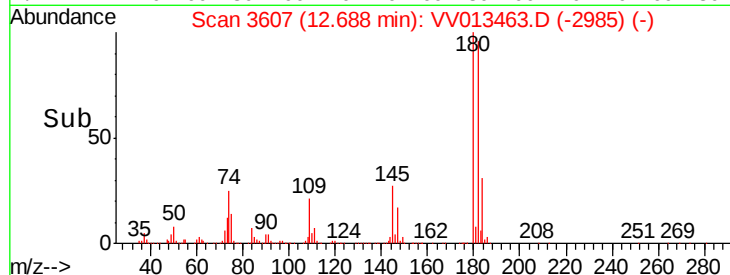
#67
 1,3,5-Trichlorobenzene
 Concen: 58.505 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013463.D
 Acq: 01 Nov 2019 11:39

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:180 Resp: 1157771
 Ion Ratio Lower Upper
 180 100
 182 95.5 74.8 112.2
 184 30.8 24.3 36.5
 145 26.9 21.1 31.7

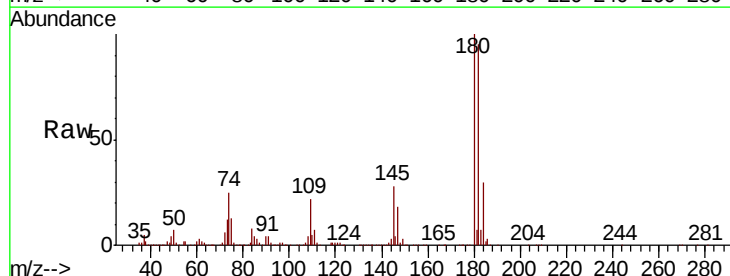


Abundance Ion 180.00 (179.70 to 180.70): V
 1200000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

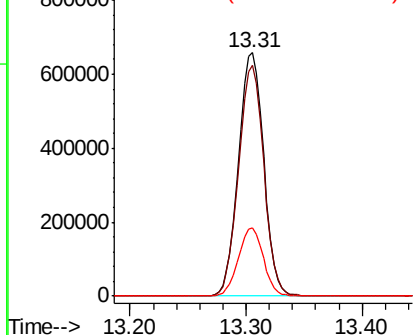
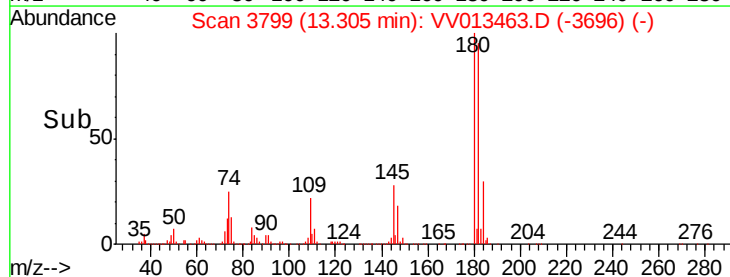


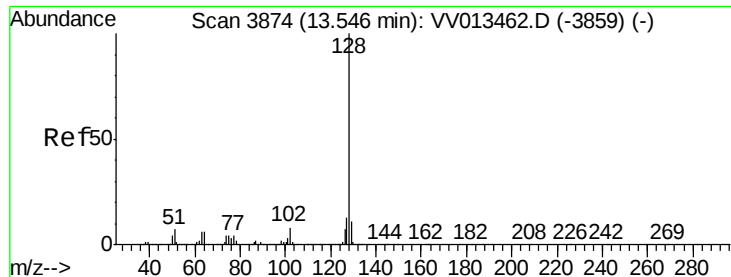
#68
 1,2,4-trichlorobenzene
 Concen: 58.321 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013463.D
 Acq: 01 Nov 2019 11:39

Tgt Ion:180 Resp: 993324
 Ion Ratio Lower Upper
 180 100
 182 94.8 77.4 116.0
 145 27.7 22.3 33.5



Abundance Ion 180.00 (179.70 to 180.70): V
 800000
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 61.133 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013463.D

Acq: 01 Nov 2019 11:39

Instrument :

MSVOA_V

ClientSampleId :

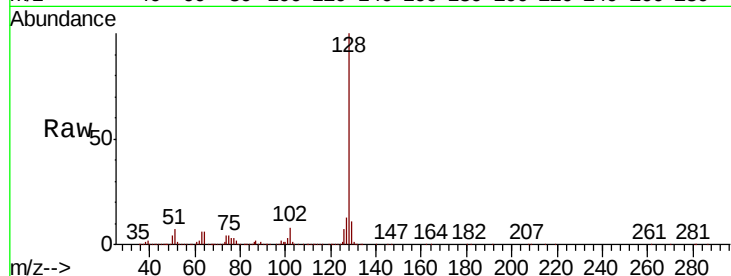
Tot Ion:128 Resp: 2062332

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

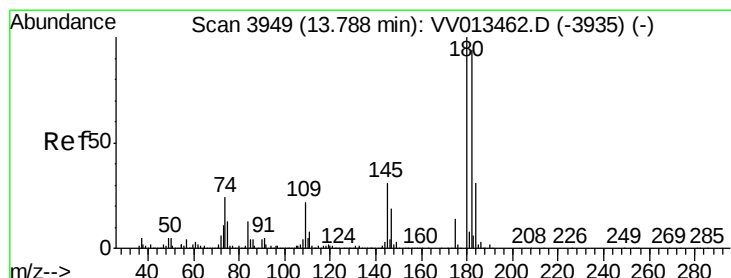
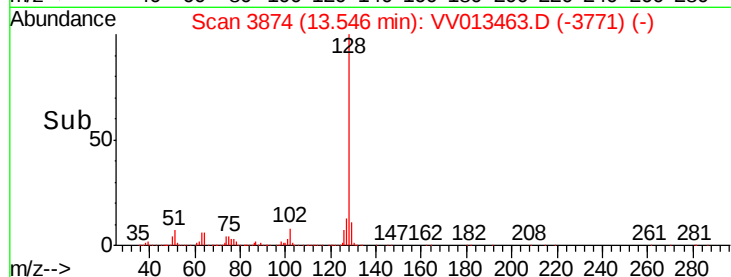
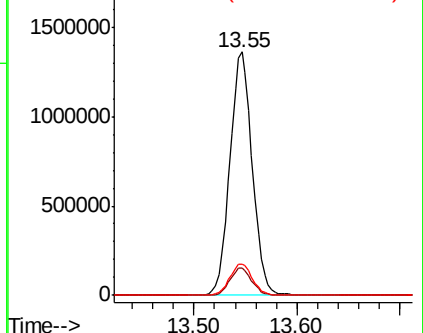
127 13.1 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 56.318 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013463.D

Acq: 01 Nov 2019 11:39

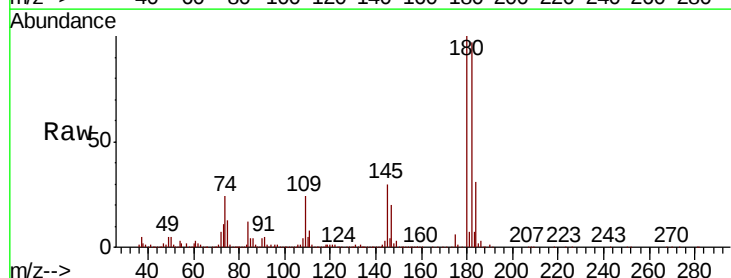
Tgt Ion:180 Resp: 922396

Ion Ratio Lower Upper

180 100

182 96.4 75.2 112.8

145 29.9 23.8 35.6



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

