

Data File : VV013451.D
Acq On : 31 Oct 2019 17:17
Operator : SY/MD
Sample : VSTDICV005
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV32

Quant Time: Nov 01 06:05:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR103119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 01 05:32:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	372715	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	388108	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	231705	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	131755	4.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.00%
7) Chloroethane-d5	1.58	69	109169	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.40%
11) 1,1-Dichloroethene-d2	2.13	63	246219	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.20%
20) 2-Butanone-d5	3.95	46	371310	43.63	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.26%
24) Chloroform-d	4.40	84	316792	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
26) 1,2-Dichloroethane-d4	5.08	65	159697	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
32) Benzene-d6	5.09	84	630189	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	6.12	67	191896	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.40%
41) Toluene-d8	7.36	98	587129	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
43) trans-1,3-Dichloropropene-	7.66	79	73315	4.54	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.80%
46) 2-Hexanone-d5	8.13	63	263083	44.31	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.62%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	136616	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	224805	4.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	230676	5.187 ug/L	99
3) Chloromethane	1.25	50	188707	5.144 ug/L	100
5) Vinyl chloride	1.32	62	187996	5.064 ug/L	98
6) Bromomethane	1.53	94	90058	5.157 ug/L	98
8) Chloroethane	1.60	64	102939	5.060 ug/L	99
9) Trichlorofluoromethane	1.77	101	255817	5.192 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	144216	5.137 ug/L	98
12) 1,1-Dichloroethene	2.14	96	135571	5.157 ug/L	97
13) Acetone	2.21	43	174417	45.235 ug/L	97
14) Carbon disulfide	2.31	76	410934	5.040 ug/L	100
15) Methyl Acetate	2.47	43	67441	4.926 ug/L	99
16) Methylene chloride	2.53	84	180589	4.545 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	390689	5.000 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	181997	5.221 ug/L	97
19) 1,1-Dichloroethane	3.23	63	337216	5.309 ug/L	98
21) 2-Butanone	4.04	43	396119	45.471 ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	191586	5.220 ug/L #	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	82470	5.031	ug/L	96
25) Chloroform	4.42	83	338002	4.826	ug/L	96
27) 1,2-Dichloroethane	5.18	62	194564	4.938	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	283443	5.152	ug/L	99
30) Cyclohexane	4.72	56	311481	5.238	ug/L	100
31) Carbon tetrachloride	4.87	117	249346	5.094	ug/L	98
33) Benzene	5.14	78	733100	5.313	ug/L	100
34) Trichloroethene	5.96	95	187562	5.006	ug/L	98
35) Methylcyclohexane	6.17	83	301950	5.196	ug/L	98
37) 1,2-Dichloropropane	6.22	63	181621	5.254	ug/L	100
38) Bromodichloromethane	6.55	83	220883	4.937	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	245837	5.072	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	1035970	46.912	ug/L	100
42) Toluene	7.43	91	752938	5.247	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	192899	5.088	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	117909	4.800	ug/L	98
47) Tetrachloroethene	8.02	164	159863	4.968	ug/L	98
48) 2-Hexanone	8.18	43	803842	50.412	ug/L	99
49) Dibromochloromethane	8.29	129	146594	4.900	ug/L	96
50) 1,2-Dibromoethane	8.39	107	110599	4.777	ug/L #	98
51) Chlorobenzene	8.92	112	493111	5.295	ug/L	99
52) Ethylbenzene	9.05	91	818499	5.369	ug/L	100
53) m,p-xylene	9.18	106	320756	5.498	ug/L	100
54) o-xylene	9.58	106	296305	5.299	ug/L	95
55) Styrene	9.60	104	522648	5.493	ug/L	99
56) Isopropylbenzene	9.97	105	823458	5.541	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	134695	4.746	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	105182	4.699	ug/L	99
61) Bromoform	9.77	173	85856	5.039	ug/L	97
62) 1,3-Dichlorobenzene	11.22	146	400983	5.353	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	405590	5.336	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	369508	5.338	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	19787	4.699	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	319484	5.296	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	257398	5.112	ug/L	99
69) Naphthalene	13.55	128	377653	5.115	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	244401	5.268	ug/L	98

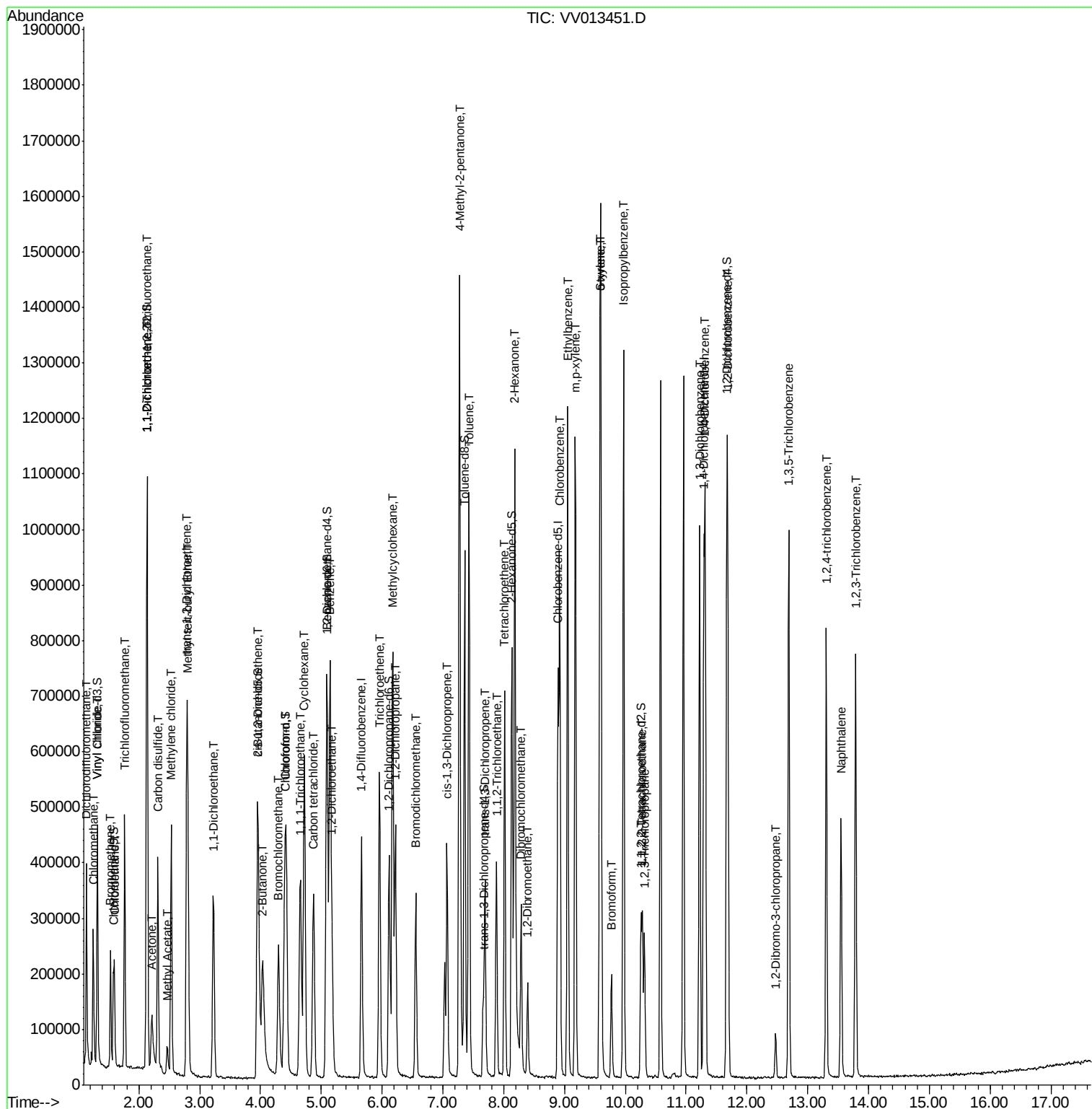
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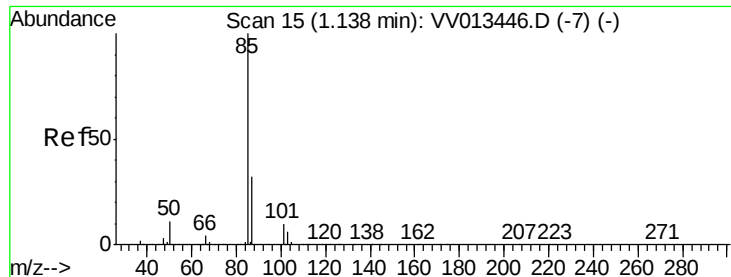
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#2

Dichlorodifluoromethane

Concen: 5.187 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013451.D

Acq: 31 Oct 2019 17:17

Instrument :

MSVOA_V

ClientSampleId :

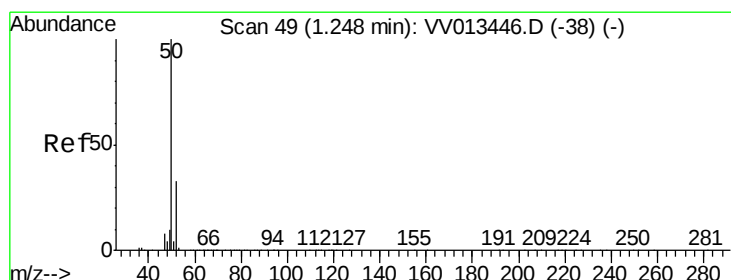
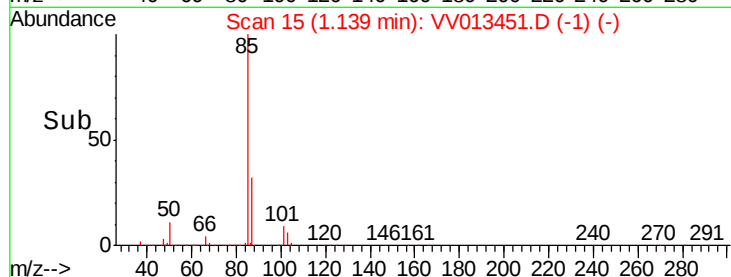
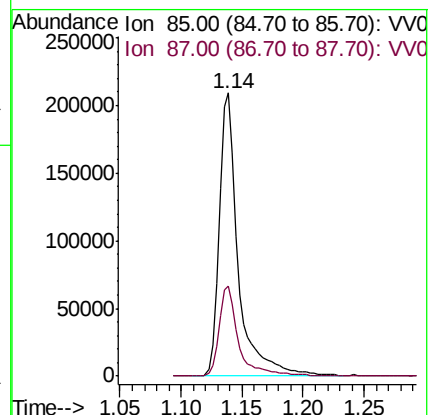
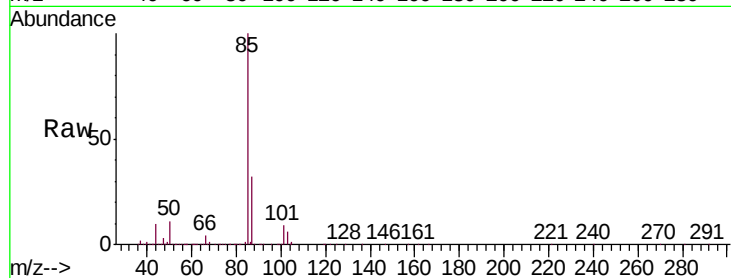
VICV32

Tgt Ion: 85 Resp: 230676

Ion Ratio Lower Upper

85 100

87 32.5 25.6 38.4



#3

Chloromethane

Concen: 5.144 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV013451.D

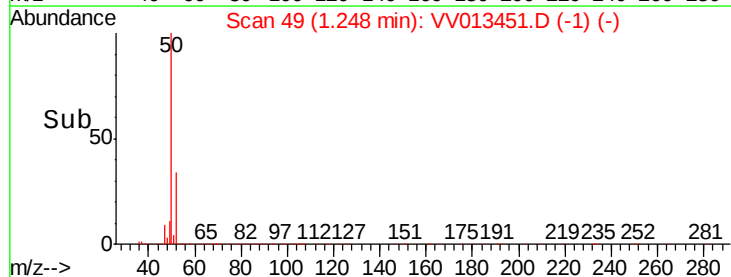
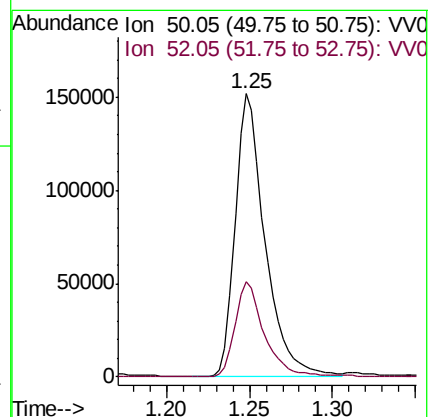
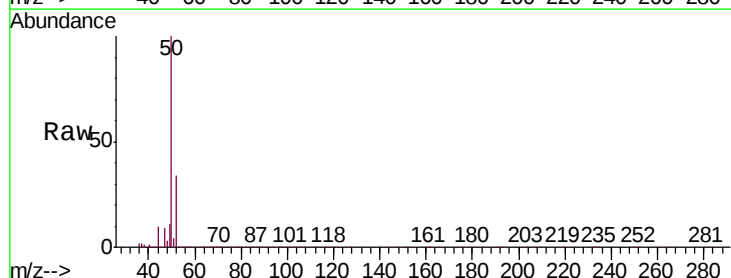
Acq: 31 Oct 2019 17:17

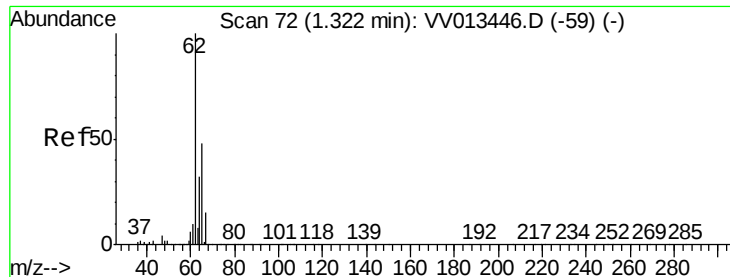
Tgt Ion: 50 Resp: 188707

Ion Ratio Lower Upper

50 100

52 33.6 23.4 43.6





#5

Vinyl chloride

Concen: 5.064 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV013451.D

Acq: 31 Oct 2019 17:17

Instrument :

MSVOA_V

ClientSampleId :

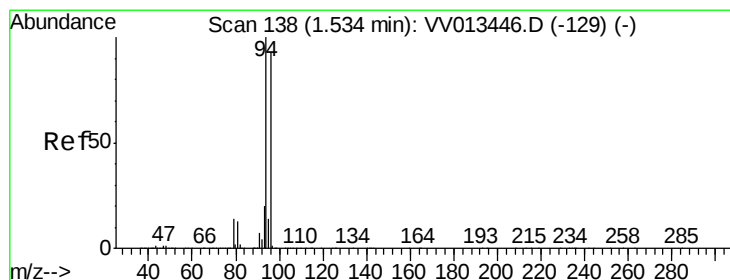
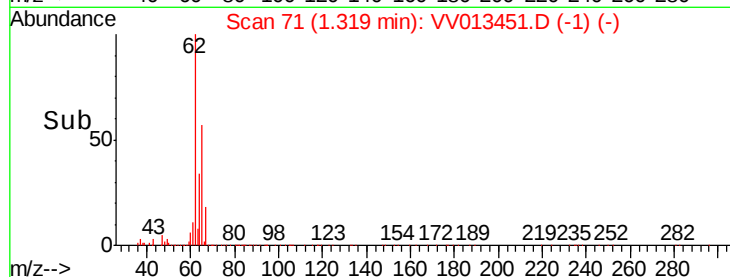
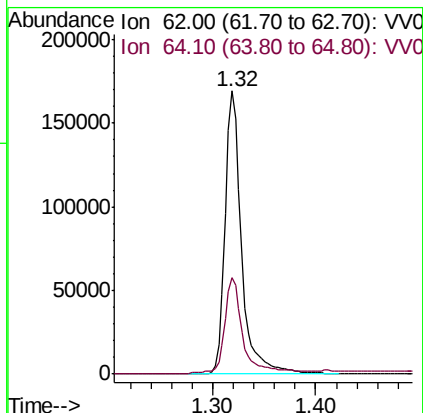
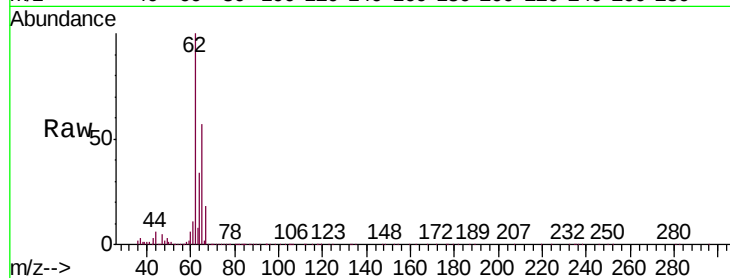
VICV32

Tgt Ion: 62 Resp: 187996

Ion Ratio Lower Upper

62 100

64 33.9 23.1 42.9



#6

Bromomethane

Concen: 5.157 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV013451.D

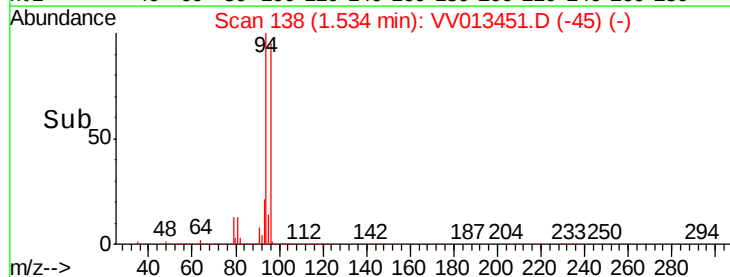
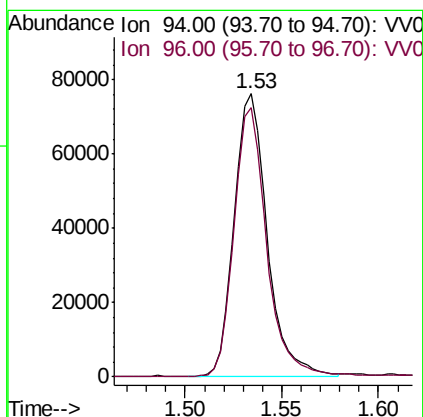
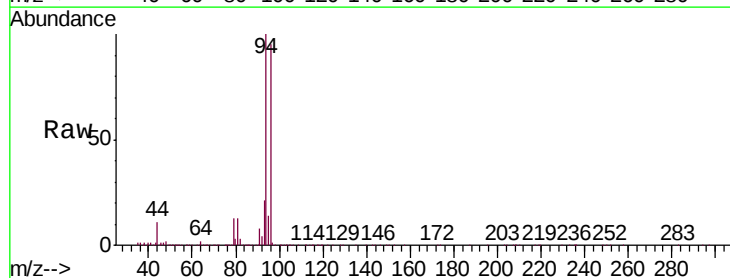
Acq: 31 Oct 2019 17:17

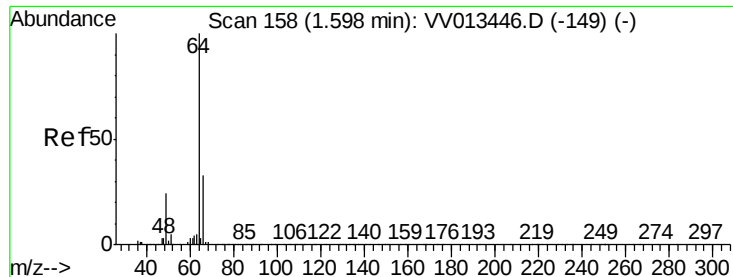
Tgt Ion: 94 Resp: 90058

Ion Ratio Lower Upper

94 100

96 95.1 65.2 121.2





#8

Chloroethane

Concen: 5.060 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV013451.D

Acq: 31 Oct 2019 17:17

Instrument :

MSVOA_V

ClientSampleId :

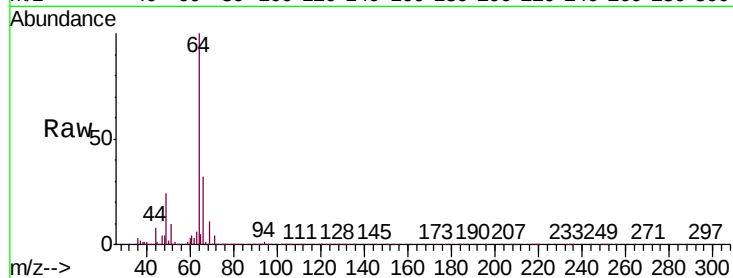
VICV32

Tgt Ion: 64 Resp: 102939

Ion Ratio Lower Upper

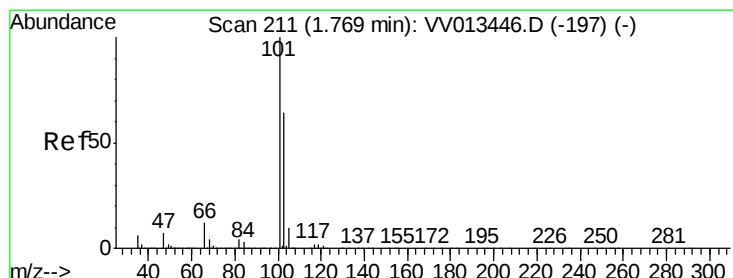
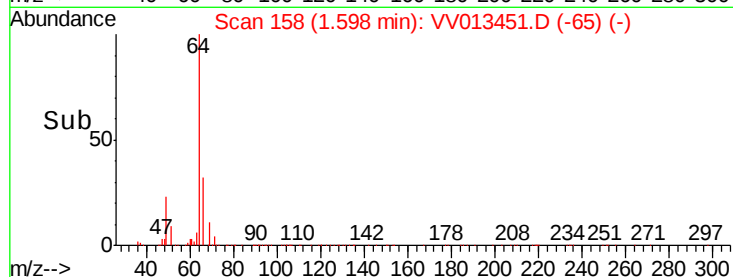
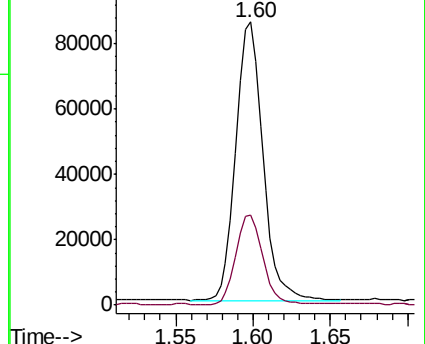
64 100

66 32.0 22.8 42.4



Abundance Ion 64.10 (63.80 to 64.80): VV013451.D (-65) (-)

Ion 66.05 (65.75 to 66.75): VV013451.D (-65) (-)



#9

Trichlorofluoromethane

Concen: 5.192 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV013451.D

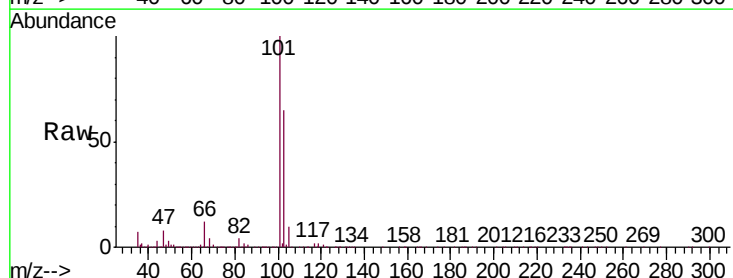
Acq: 31 Oct 2019 17:17

Tgt Ion: 101 Resp: 255817

Ion Ratio Lower Upper

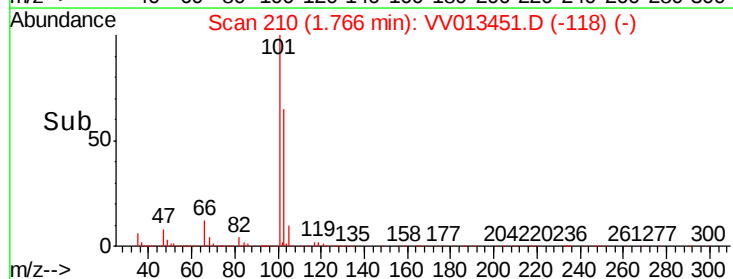
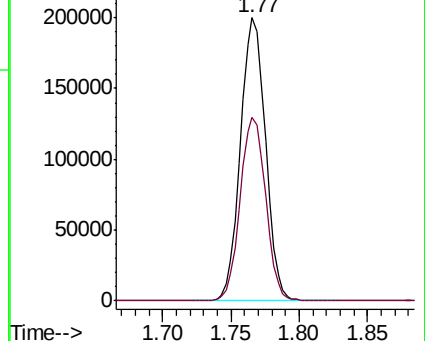
101 100

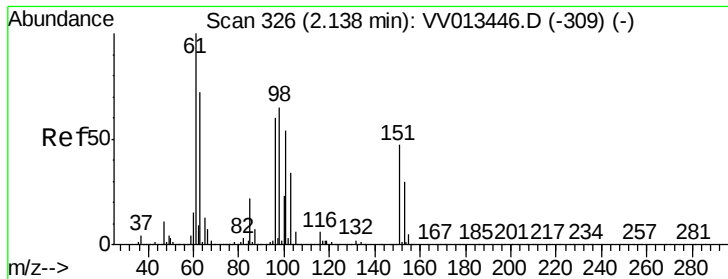
103 65.5 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): VV013451.D (-118) (-)

Ion 103.00 (102.70 to 103.70): VV013451.D (-118) (-)





#10

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

Concen: 5.137 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013451.D

Acq: 31 Oct 2019 17:17

Instrument :

MSVOA_V

ClientSampleId :

VICV32

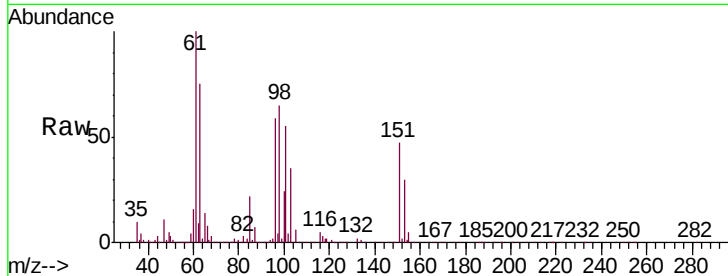
Tgt Ion: 101 Resp: 144216

Ion Ratio Lower Upper

101 100

85 41.3 33.1 49.7

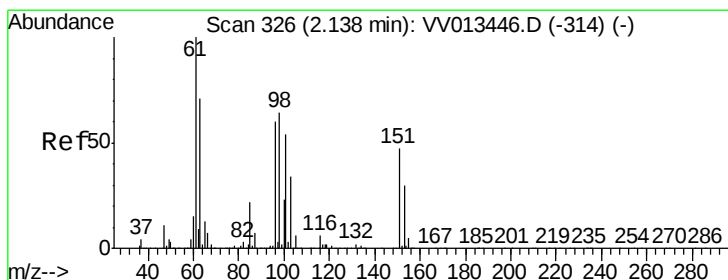
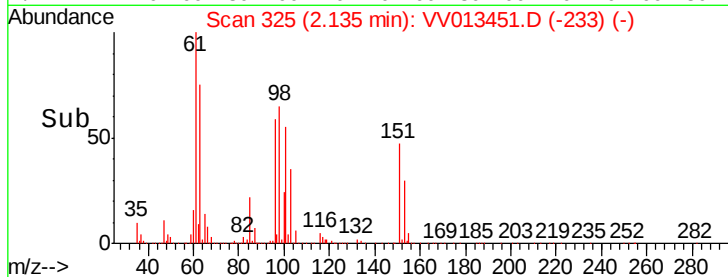
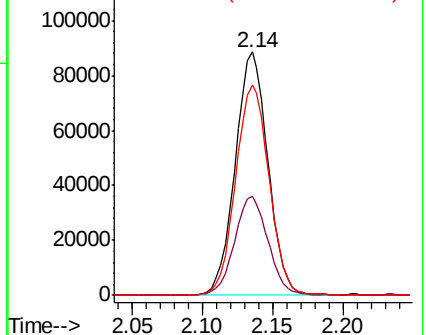
151 88.3 68.8 103.2



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: 5.157 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013451.D

Acq: 31 Oct 2019 17:17

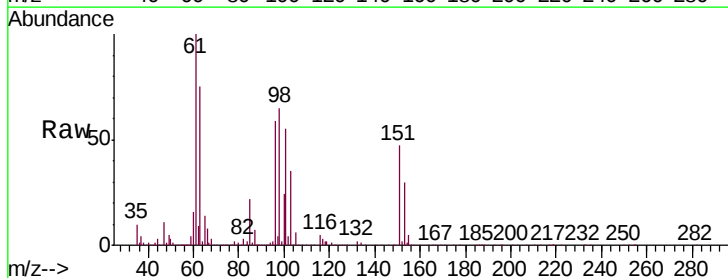
Tgt Ion: 96 Resp: 135571

Ion Ratio Lower Upper

96 100

61 168.5 117.1 217.5

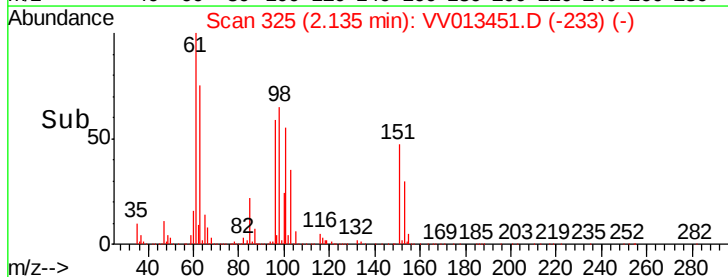
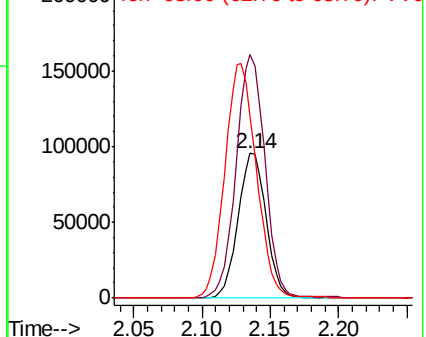
63 125.7 84.1 156.3

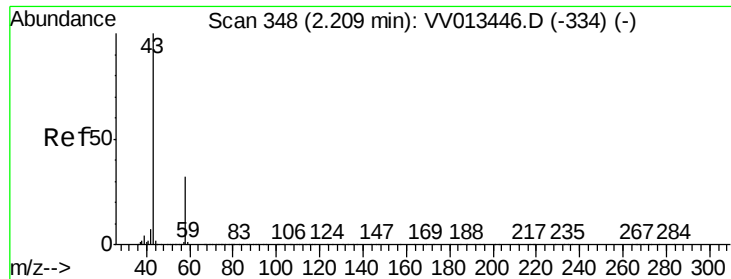


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 45.235 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.00 min

Lab File: VV013451.D

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ClientSampleId :

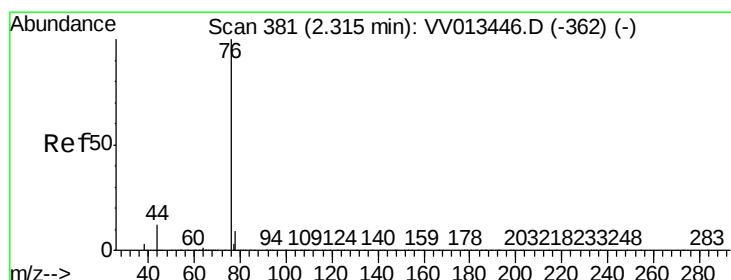
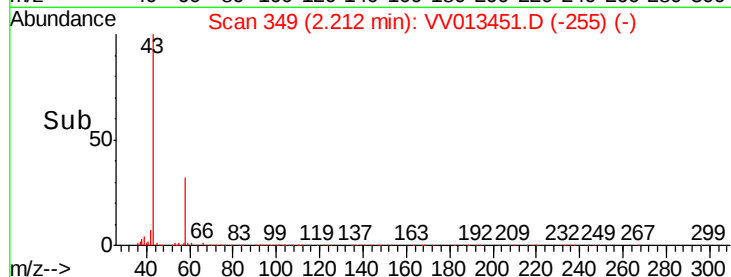
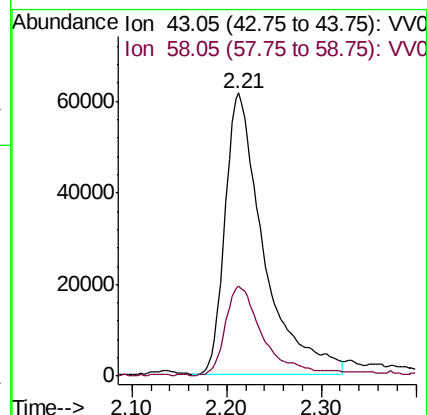
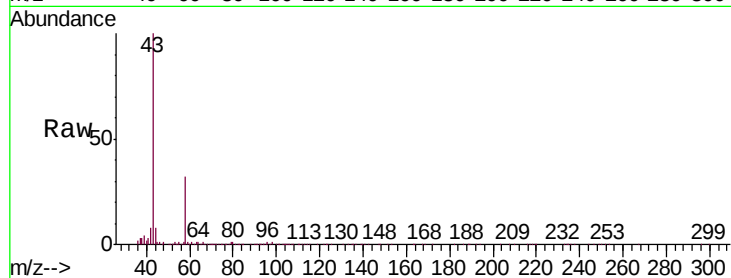
VICV32

Tgt Ion: 43 Resp: 174417

Ion Ratio Lower Upper

43 100

58 30.5 0.0 58.0



#14

Carbon disulfide

Concen: 5.040 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV013451.D

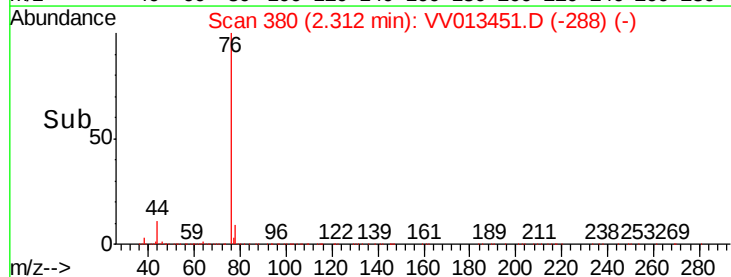
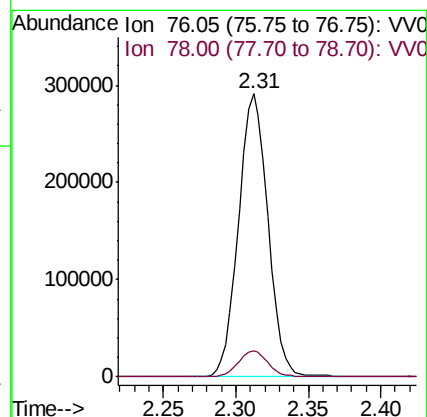
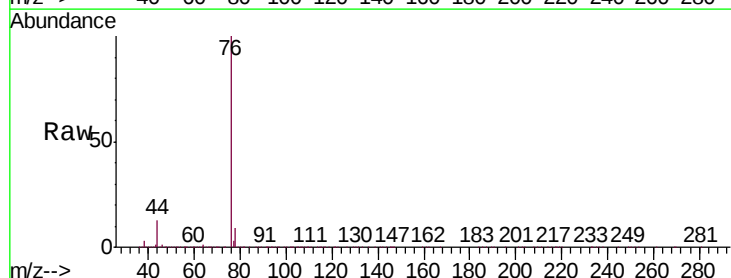
Acq: 31 Oct 2019 17:17

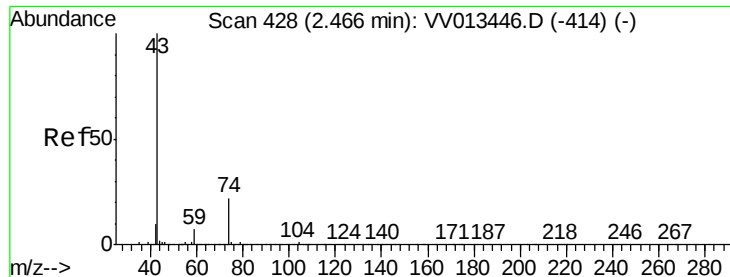
Tgt Ion: 76 Resp: 410934

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0





#15

Methyl Acetate

Concen: 4.926 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VV013451.D

Acq: 31 Oct 2019 17:17

Instrument :

MSVOA_V

ClientSampleId :

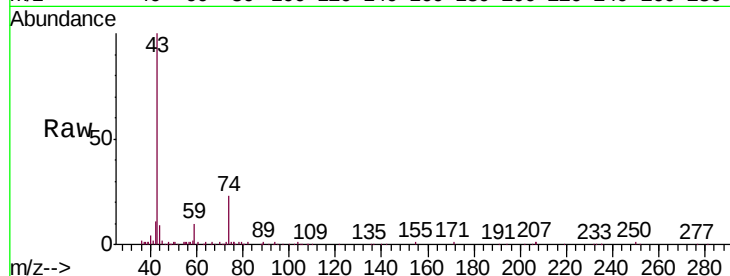
VICV32

Tgt Ion: 43 Resp: 67441

Ion Ratio Lower Upper

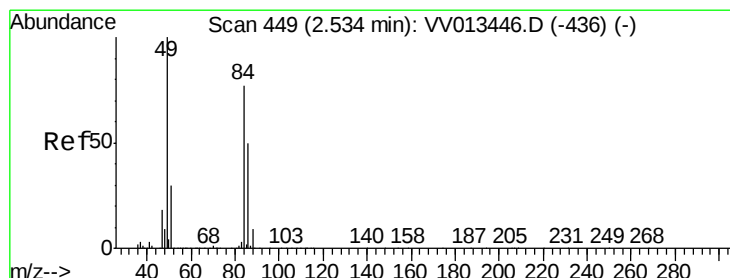
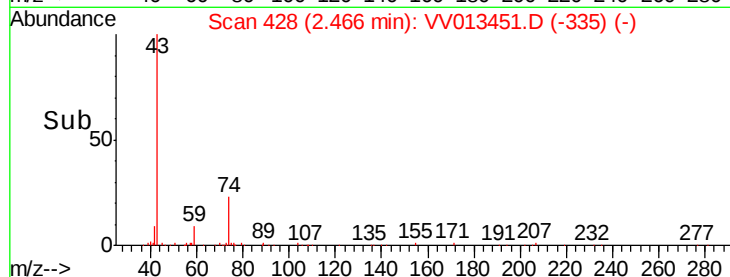
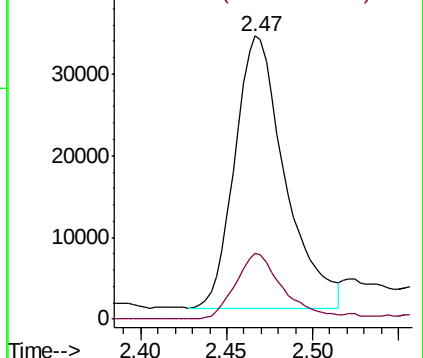
43 100

74 22.8 17.8 26.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 4.545 ug/L

RT: 2.53 min Scan# 448

Delta R.T. -0.00 min

Lab File: VV013451.D

Acq: 31 Oct 2019 17:17

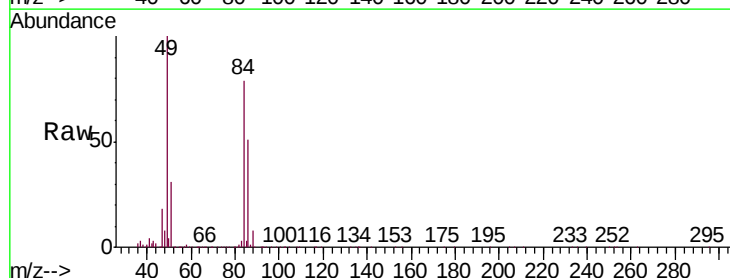
Tgt Ion: 84 Resp: 180589

Ion Ratio Lower Upper

84 100

86 64.6 45.3 84.1

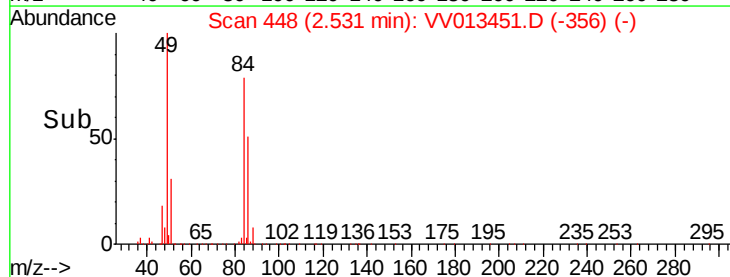
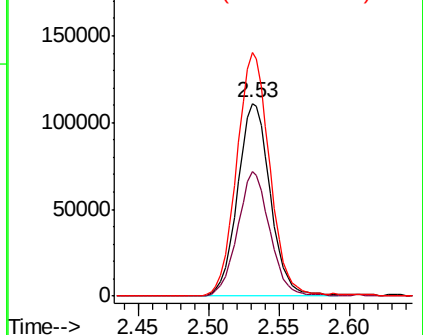
49 126.2 90.4 168.0

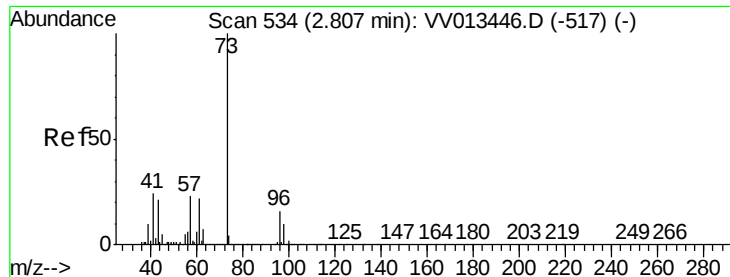


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0



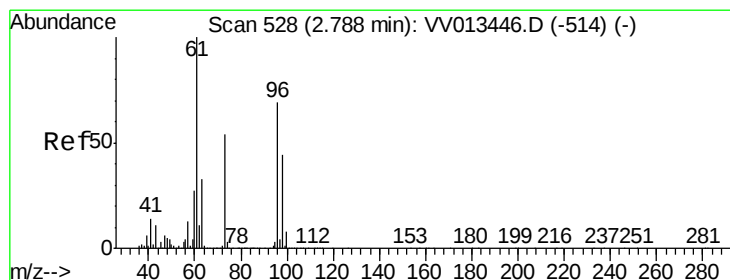
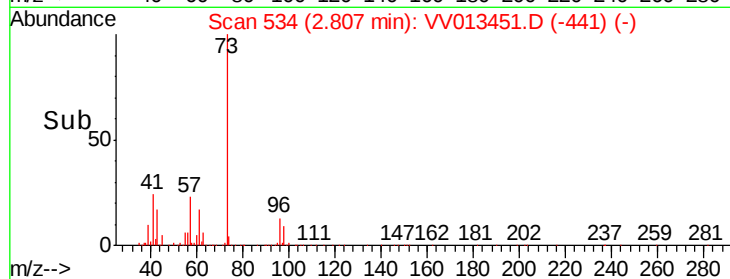
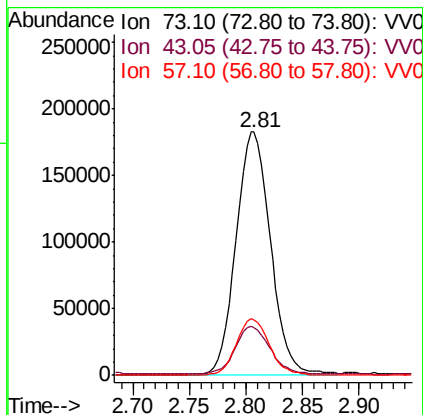
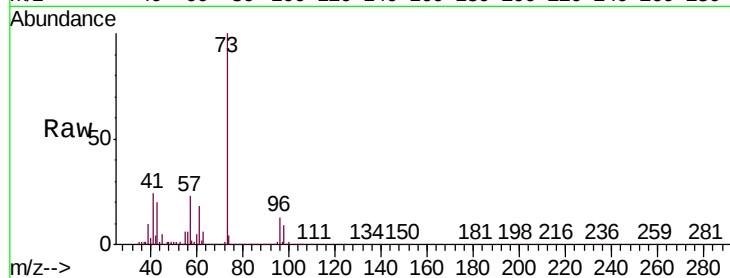


#17

Methyl tert-butyl Ether
 Concen: 5.000 ug/L
 RT: 2.81 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: VV013451.D
 Acq: 31 Oct 2019 17:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV32

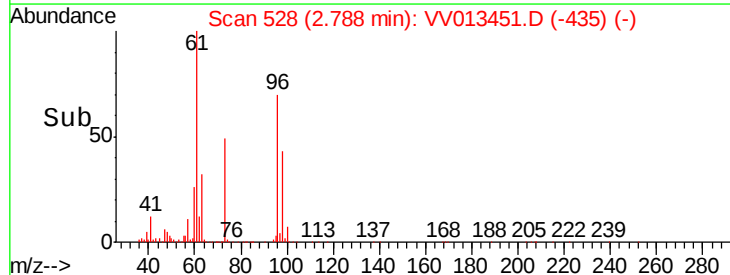
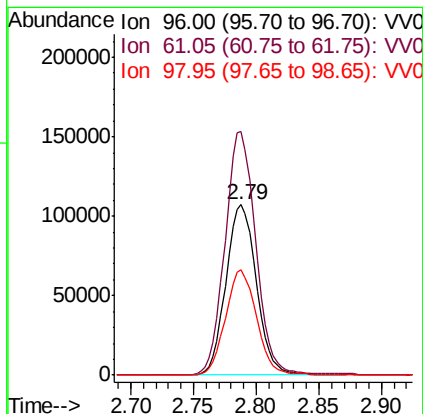
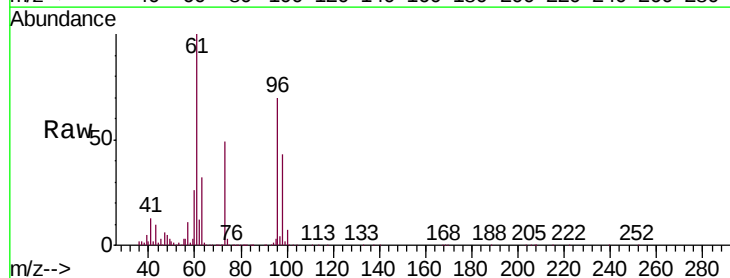
Tgt Ion:	73	Resp:	390689
Ion	Ratio	Lower	Upper
73	100		
43	18.7	15.9	23.9
57	22.5	18.5	27.7

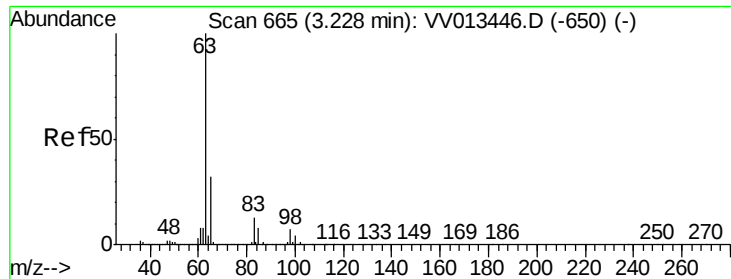


#18

trans-1,2-Dichloroethene
 Concen: 5.221 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VV013451.D
 Acq: 31 Oct 2019 17:17

Tgt Ion:	96	Resp:	181997
Ion	Ratio	Lower	Upper
96	100		
61	143.1	102.2	189.8
98	61.6	44.9	83.5

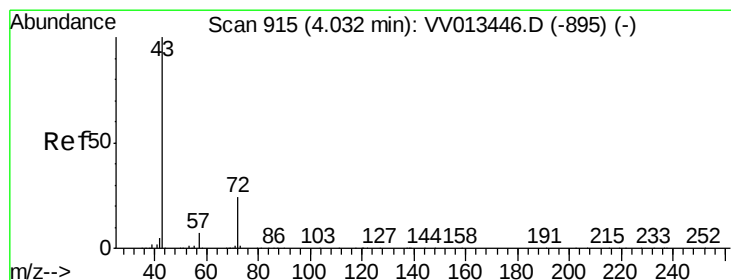
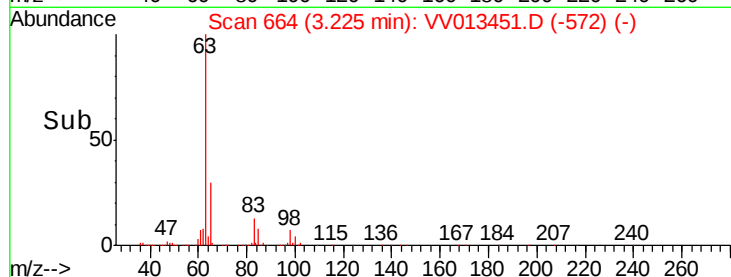
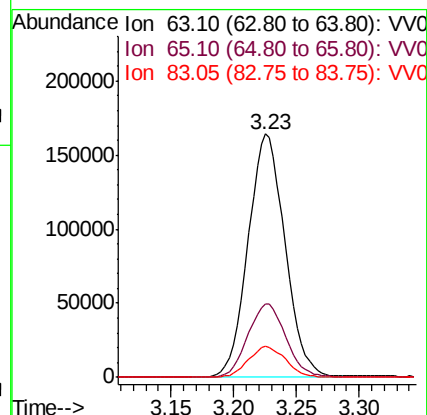
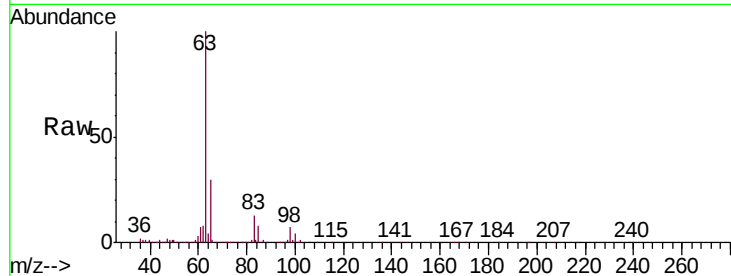




#19
 1,1-Dichloroethane
 Concen: 5.309 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV013451.D
 Acq: 31 Oct 2019 17:17

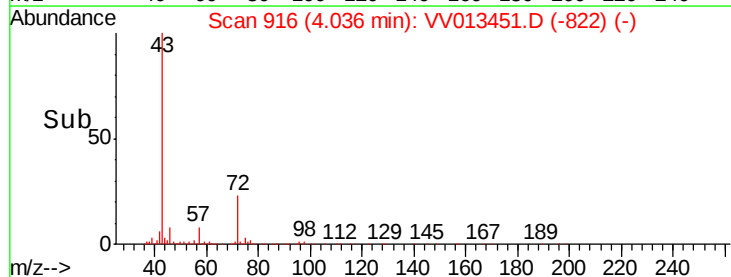
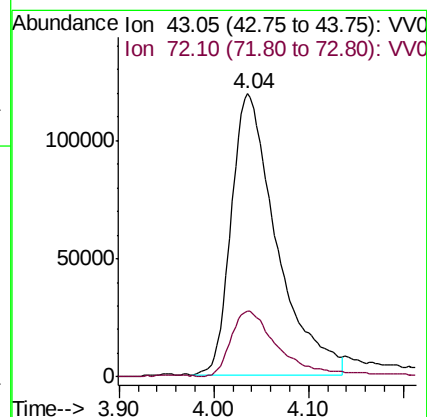
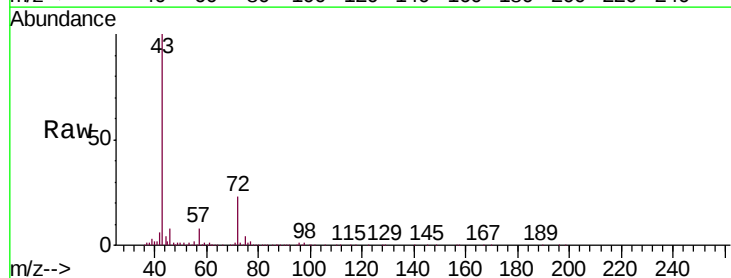
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV32

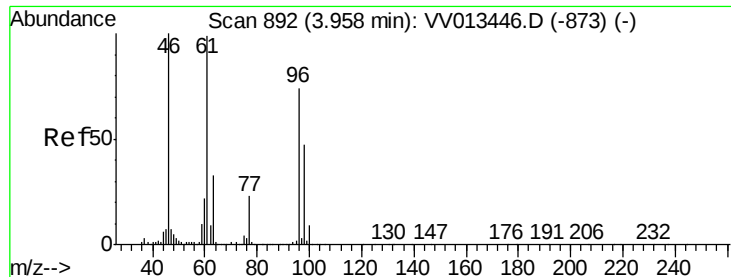
Tgt Ion:	63	Resp:	337216
Ion	Ratio	Lower	Upper
63	100		
65	30.3	22.5	41.7
83	13.0	9.1	16.9



#21
 2-Butanone
 Concen: 45.471 ug/L
 RT: 4.04 min Scan# 916
 Delta R.T. 0.00 min
 Lab File: VV013451.D
 Acq: 31 Oct 2019 17:17

Tgt Ion:	43	Resp:	396119
Ion	Ratio	Lower	Upper
43	100		
72	24.2	10.9	32.7



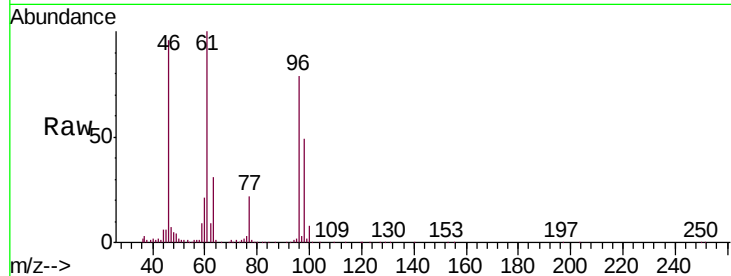


#22

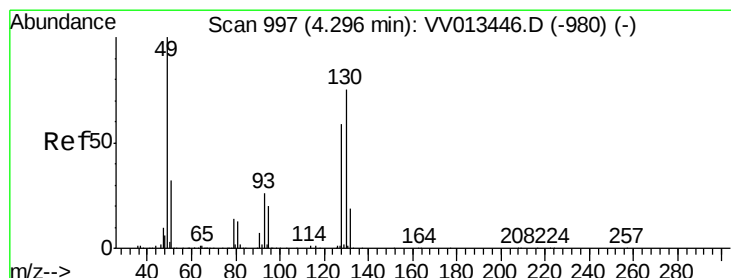
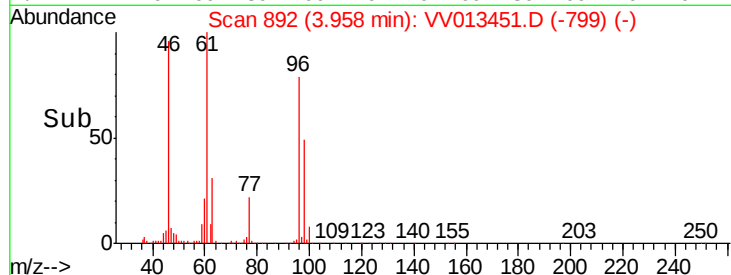
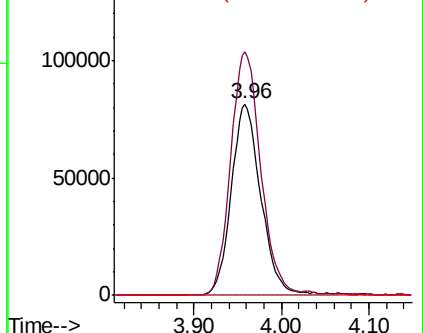
cis-1,2-Dichloroethene
 Concen: 5.220 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV013451.D
 Acq: 31 Oct 2019 17:17

Instrument :
 MSVOA_V
 ClientSampled :
 VICV32

Tgt Ion: 96 Resp: 191586
 Ion Ratio Lower Upper
 96 100
 61 127.3 94.2 175.0
 68 0.0 0.1 0.3#



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

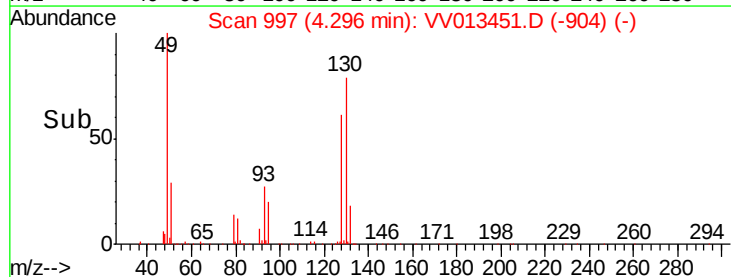
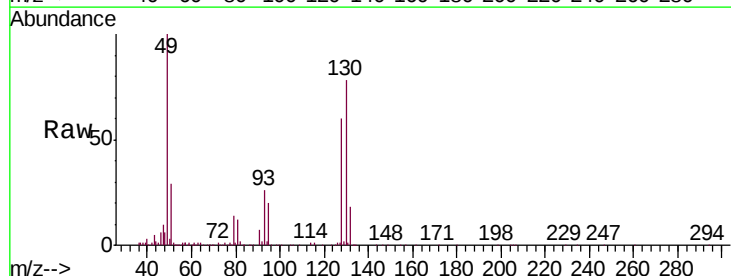
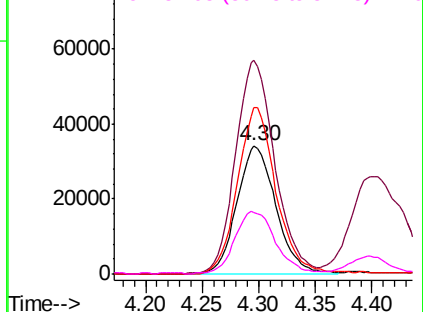


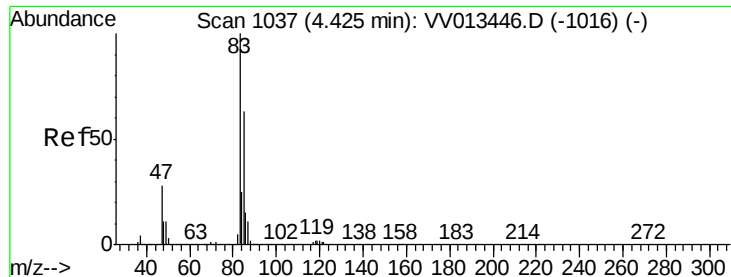
#23

Bromochloromethane
 Concen: 5.031 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV013451.D
 Acq: 31 Oct 2019 17:17

Tgt Ion: 128 Resp: 82470
 Ion Ratio Lower Upper
 128 100
 49 166.5 118.8 220.6
 130 130.1 89.0 165.4
 51 48.3 44.2 66.2

Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0





#25

Chloroform

Concen: 4.826 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV013451.D

Acq: 31 Oct 2019 17:17

Instrument :

MSVOA_V

ClientSampleId :

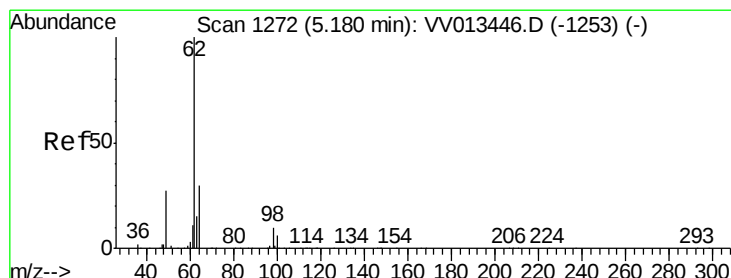
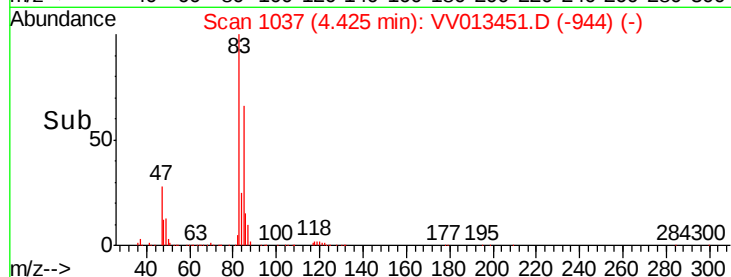
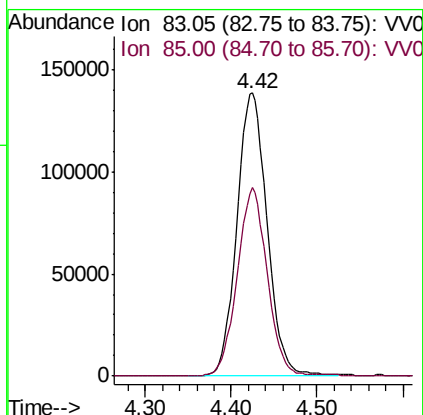
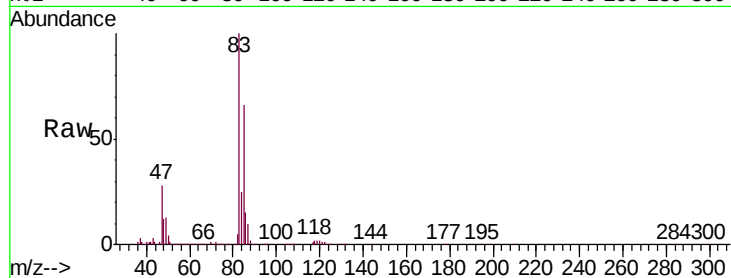
VICV32

Tgt Ion: 83 Resp: 338002

Ion Ratio Lower Upper

83 100

85 66.4 44.1 81.9



#27

1,2-Dichloroethane

Concen: 4.938 ug/L

RT: 5.18 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VV013451.D

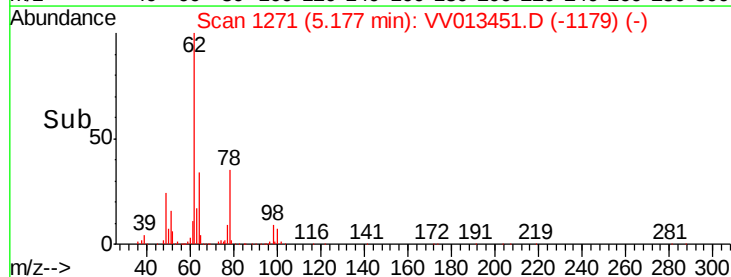
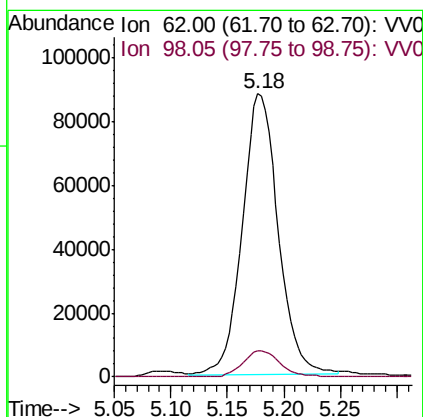
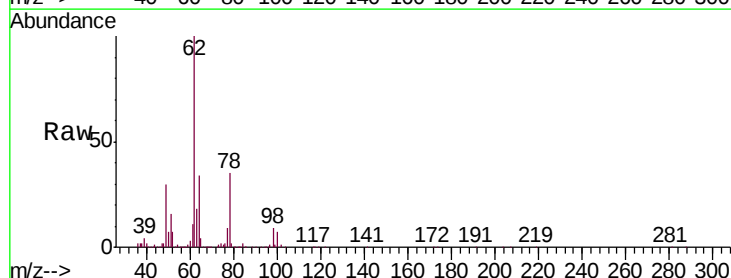
Acq: 31 Oct 2019 17:17

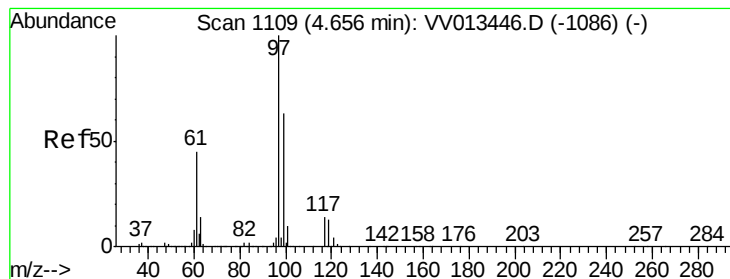
Tgt Ion: 62 Resp: 194564

Ion Ratio Lower Upper

62 100

98 9.4 7.7 11.5





#29

1,1,1-Trichloroethane

Concen: 5.152 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV013451.D

Acq: 31 Oct 2019 17:17

Instrument :

MSVOA_V

ClientSampleId :

VICV32

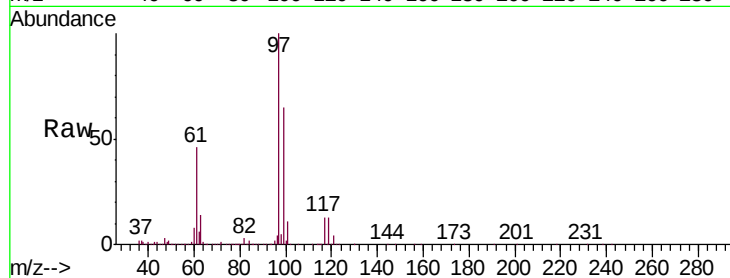
Tgt Ion: 97 Resp: 283443

Ion Ratio Lower Upper

97 100

99 64.0 51.5 77.3

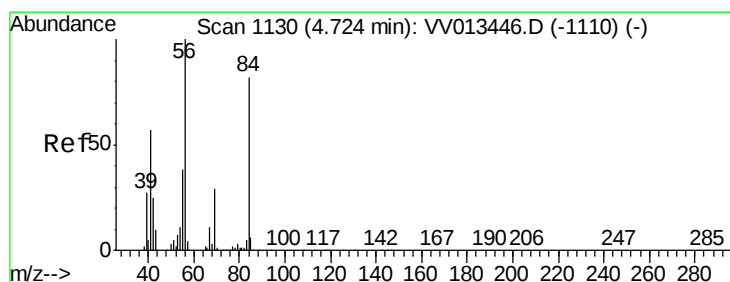
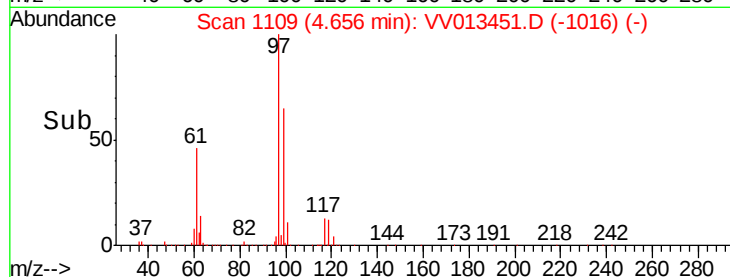
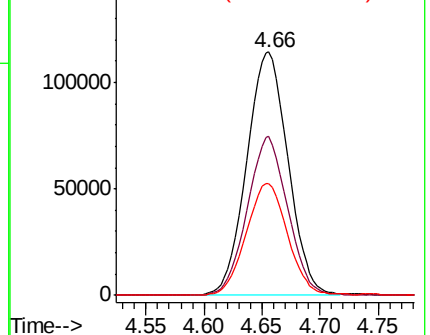
61 46.3 35.8 53.8



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 5.238 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VV013451.D

Acq: 31 Oct 2019 17:17

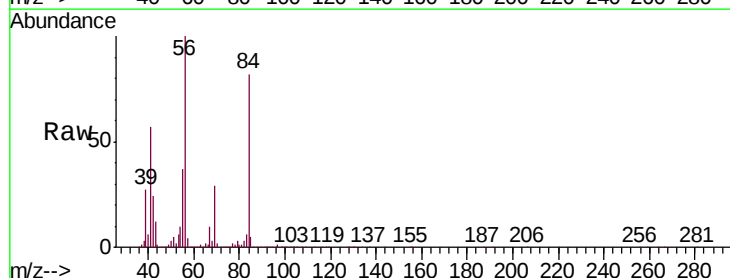
Tgt Ion: 56 Resp: 311481

Ion Ratio Lower Upper

56 100

69 29.1 23.0 34.6

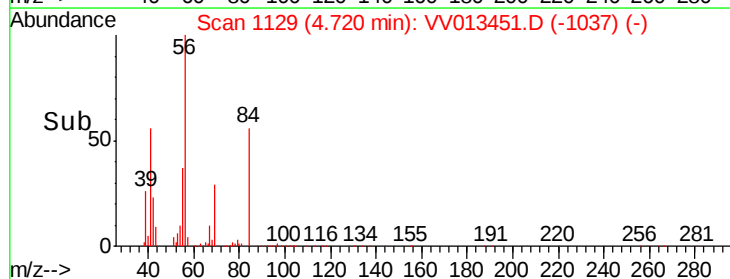
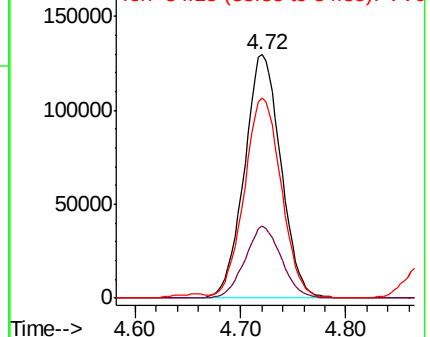
84 83.0 66.6 100.0

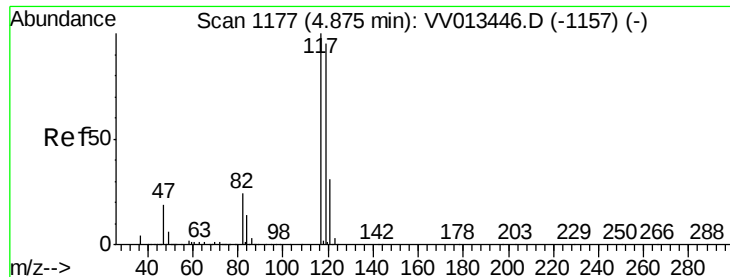


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.094 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV013451.D

Acq: 31 Oct 2019 17:17

Instrument :

MSVOA_V

ClientSampleId :

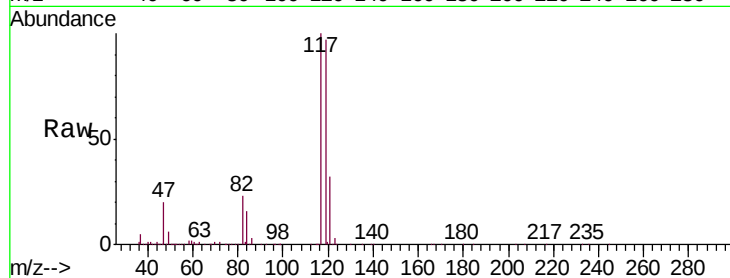
VICV32

Tgt Ion:117 Resp: 249346

Ion Ratio Lower Upper

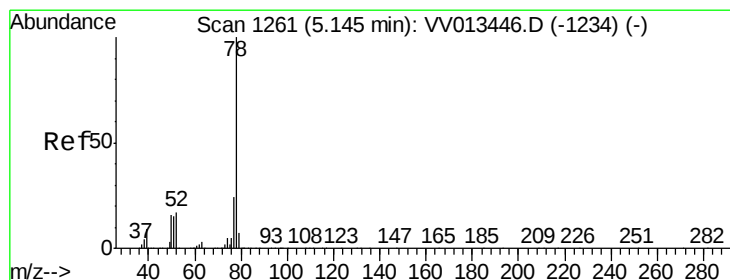
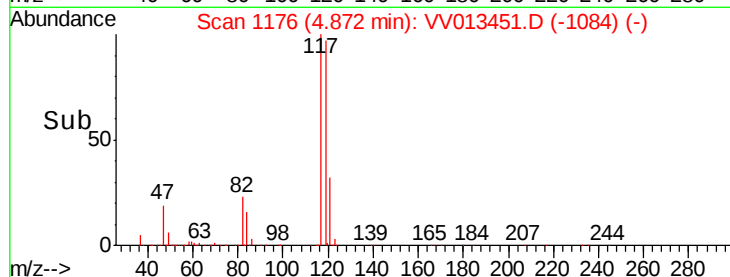
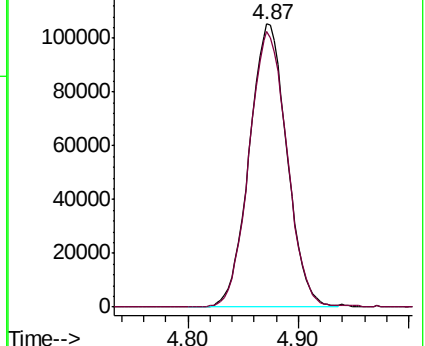
117 100

119 98.1 76.8 115.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.313 ug/L

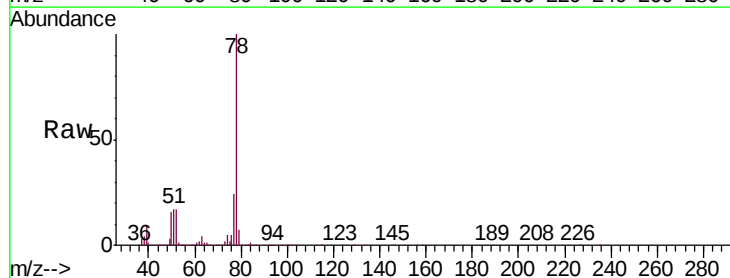
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

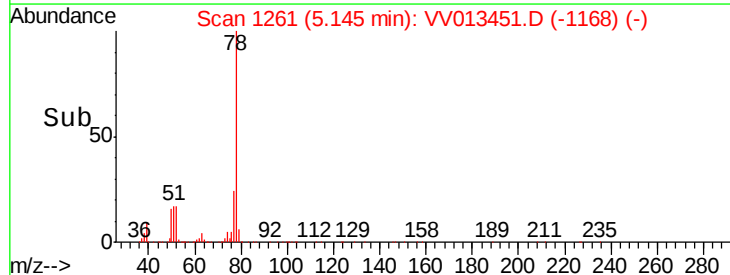
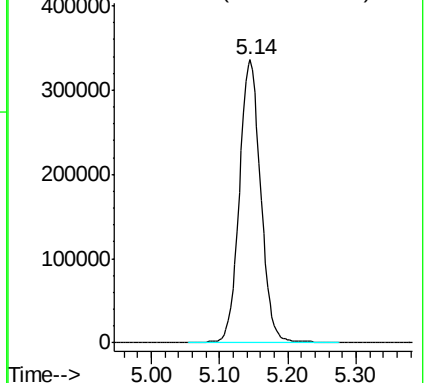
Lab File: VV013451.D

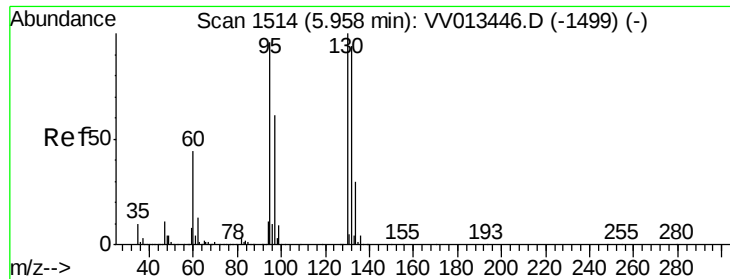
Acq: 31 Oct 2019 17:17

Tgt Ion: 78 Resp: 733100



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.006 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV013451.D

Acq: 31 Oct 2019 17:17

Instrument :

MSVOA_V

ClientSampleId :

VICV32

Tgt Ion: 95 Resp: 187562

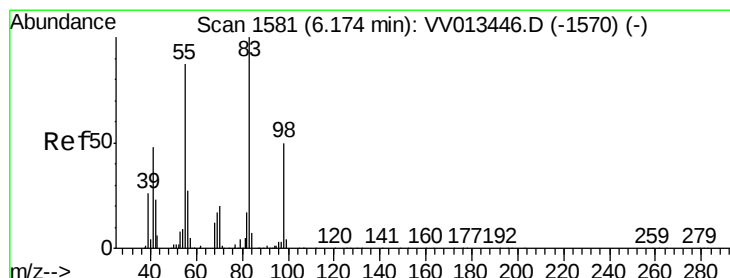
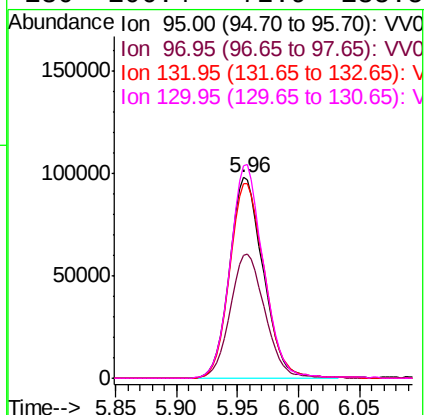
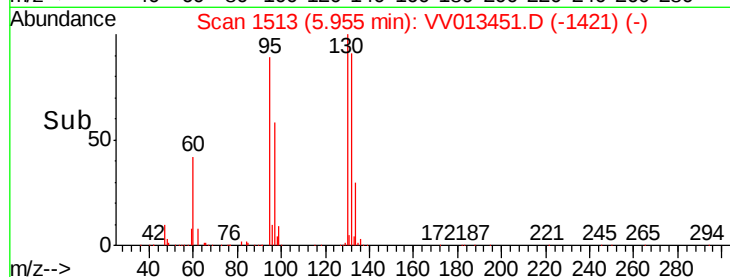
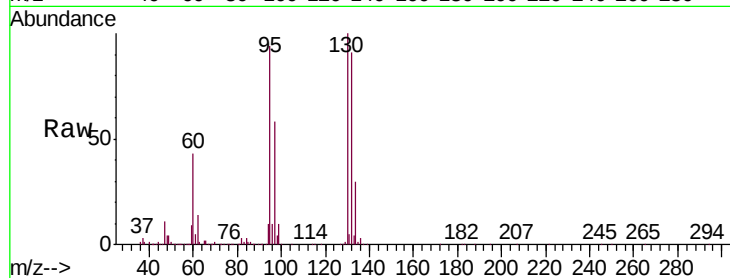
Ion Ratio Lower Upper

95 100

97 61.5 44.2 82.2

132 97.1 68.4 127.0

130 106.4 72.9 135.5



#35

Methylcyclohexane

Concen: 5.196 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV013451.D

Acq: 31 Oct 2019 17:17

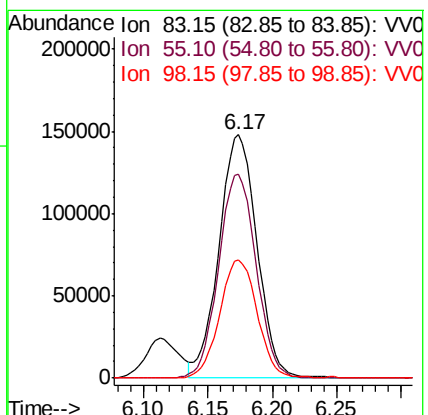
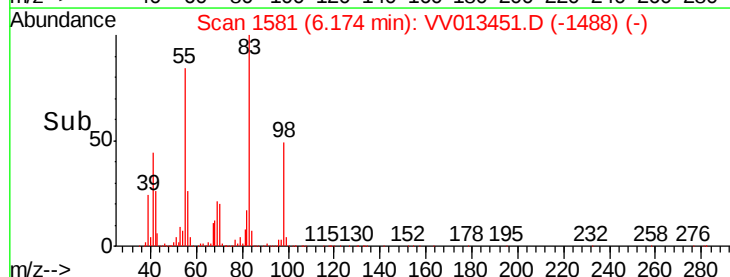
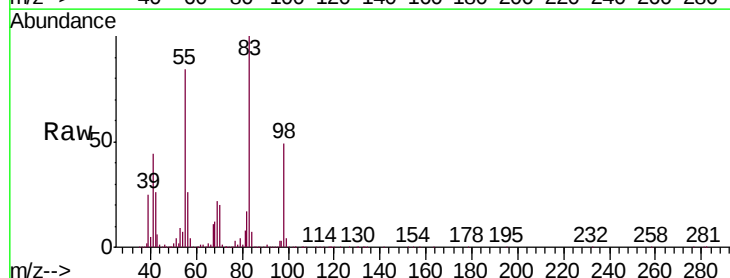
Tgt Ion: 83 Resp: 301950

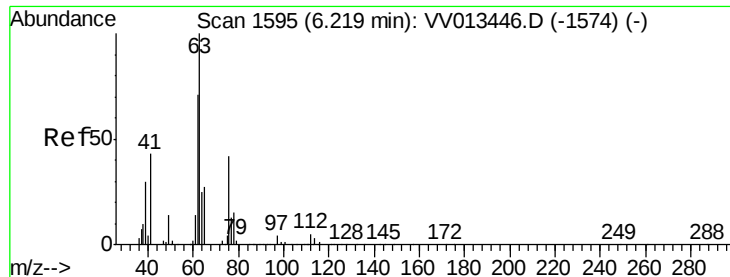
Ion Ratio Lower Upper

83 100

55 82.7 64.6 96.8

98 48.3 39.1 58.7





#37

1,2-Dichloropropane

Concen: 5.254 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV013451.D

Acq: 31 Oct 2019 17:17

Instrument :

MSVOA_V

ClientSampled :

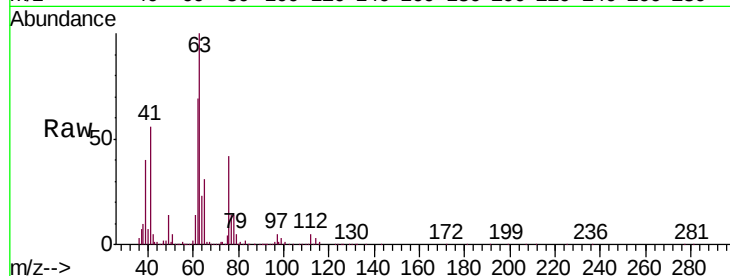
VICV32

Tgt Ion: 63 Resp: 181621

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.8



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V

6.22

100000

80000

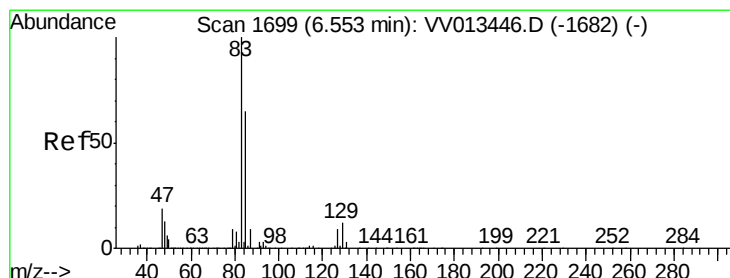
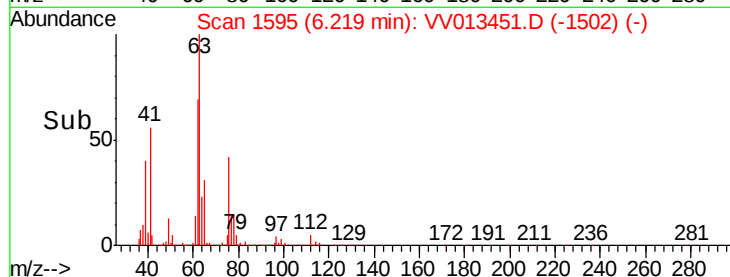
60000

40000

20000

0

Time-->



#38

Bromodichloromethane

Concen: 4.937 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV013451.D

Acq: 31 Oct 2019 17:17

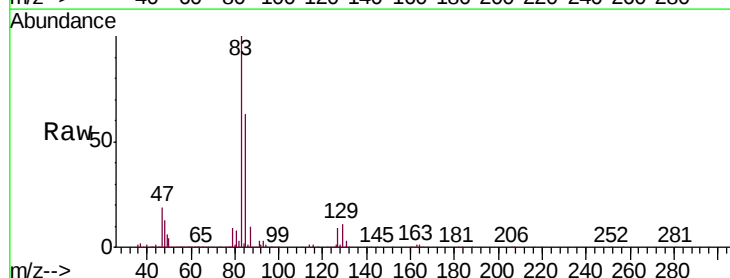
Tgt Ion: 83 Resp: 220883

Ion Ratio Lower Upper

83 100

85 62.5 45.1 83.9

127 8.7 7.0 10.4



Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 126.90 (126.60 to 127.60): V

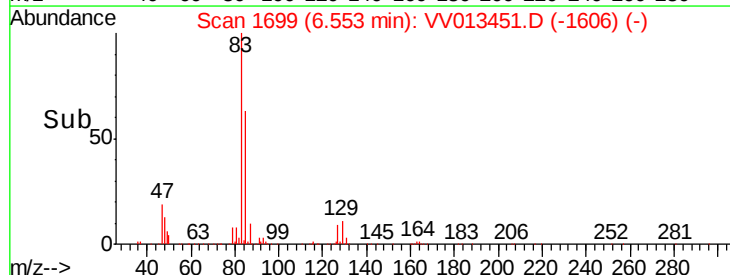
150000

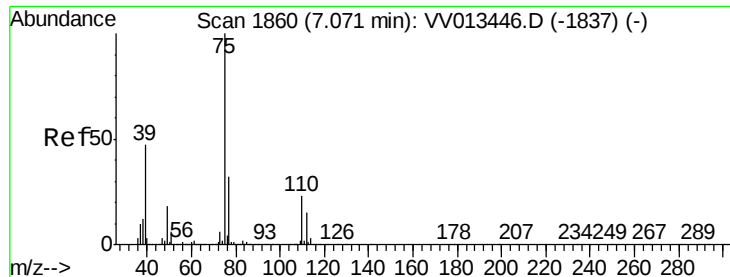
100000

50000

0

Time-->

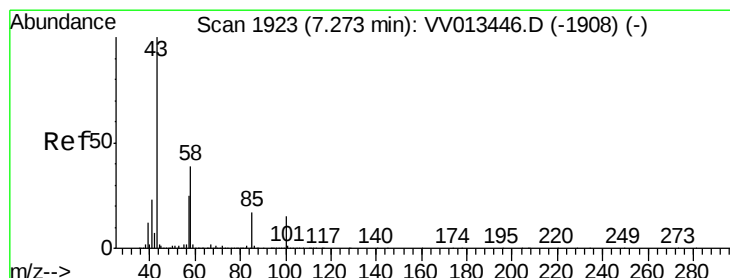
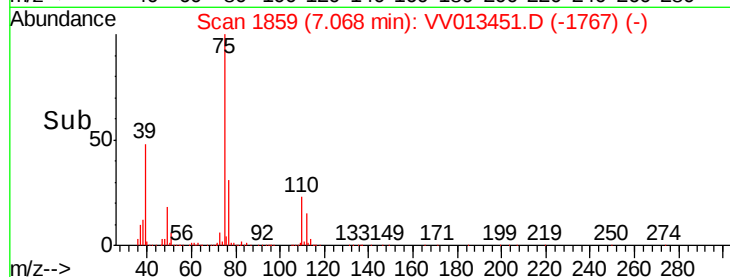
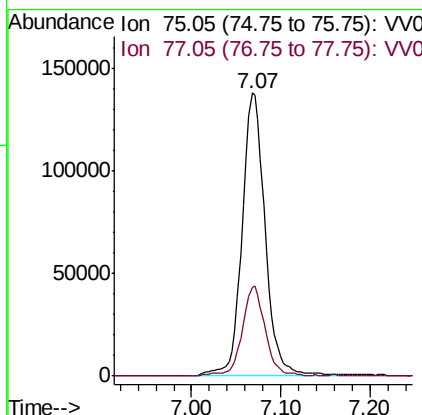
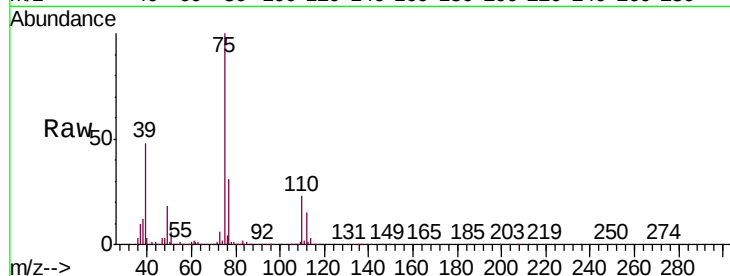




#39
 cis-1,3-Dichloropropene
 Concen: 5.072 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV013451.D
 Acq: 31 Oct 2019 17:17

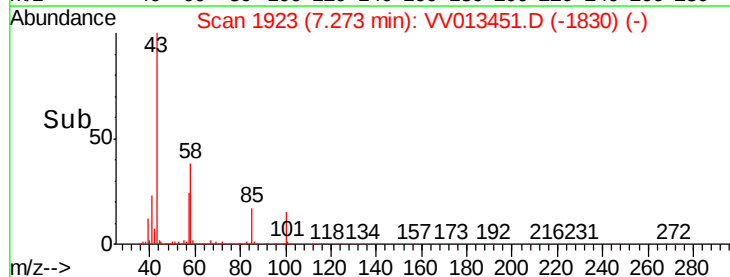
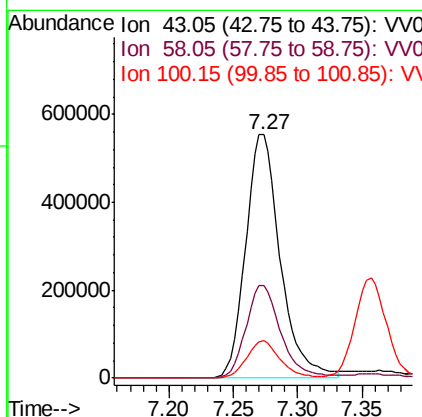
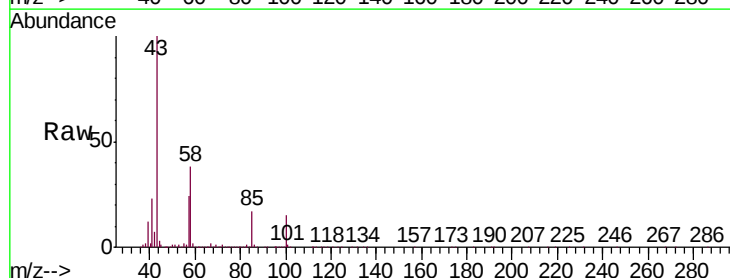
Instrument :
 MSVOA_V
 ClientSampled :
 VICV32

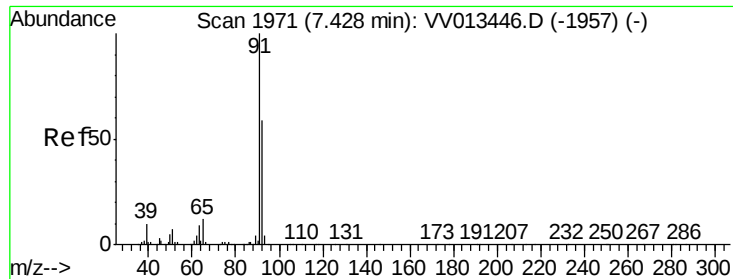
Tgt Ion: 75 Resp: 245837
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 46.912 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV013451.D
 Acq: 31 Oct 2019 17:17

Tgt Ion: 43 Resp: 1035970
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.9 46.3
 100 14.8 11.7 17.5





#42

Toluene

Concen: 5.247 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013451.D

Acq: 31 Oct 2019 17:17

Instrument :

MSVOA_V

ClientSampleId :

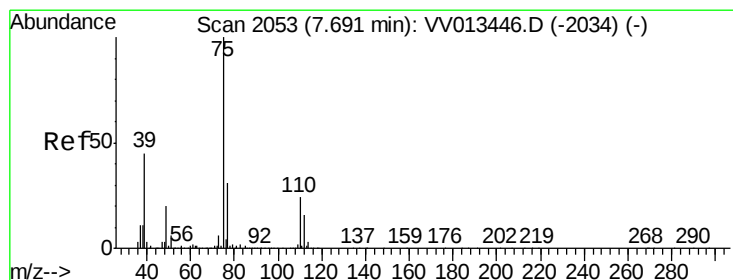
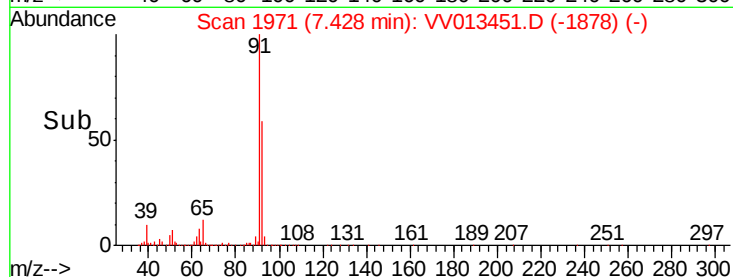
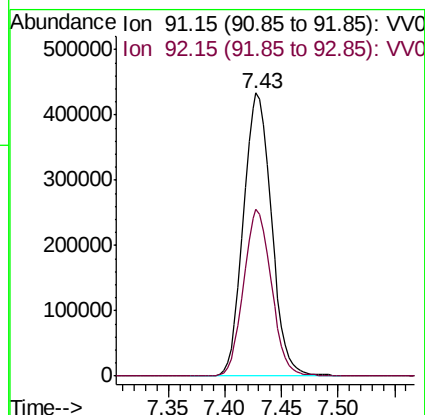
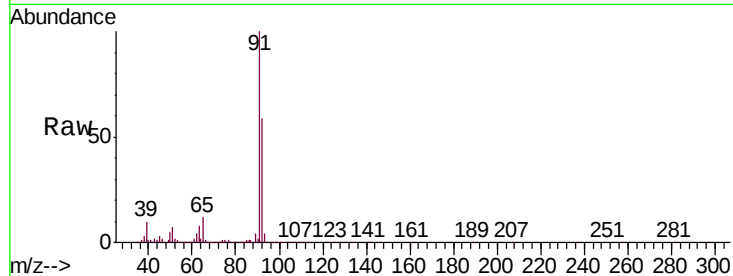
VICV32

Tgt Ion: 91 Resp: 752938

Ion Ratio Lower Upper

91 100

92 58.9 41.5 77.1



#44

trans-1,3-Dichloropropene

Concen: 5.088 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV013451.D

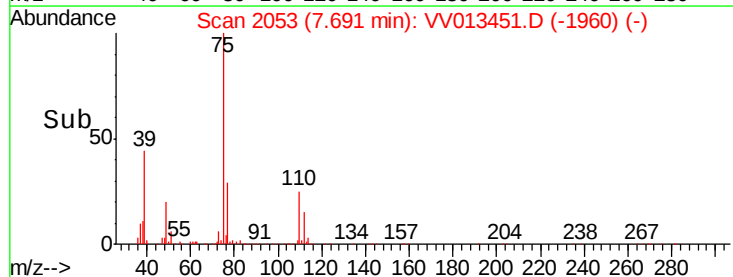
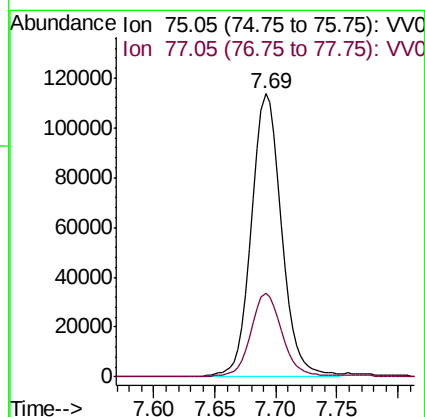
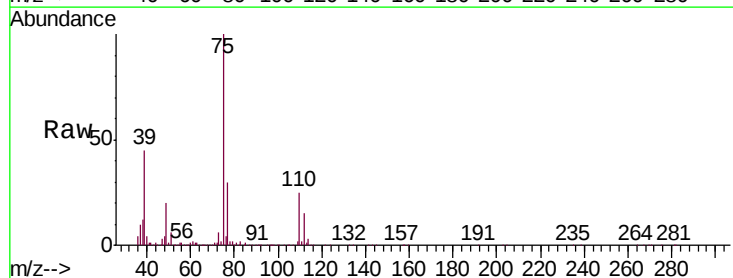
Acq: 31 Oct 2019 17:17

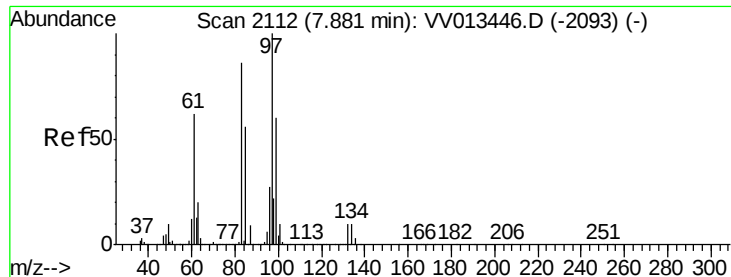
Tgt Ion: 75 Resp: 192899

Ion Ratio Lower Upper

75 100

77 29.5 21.9 40.7

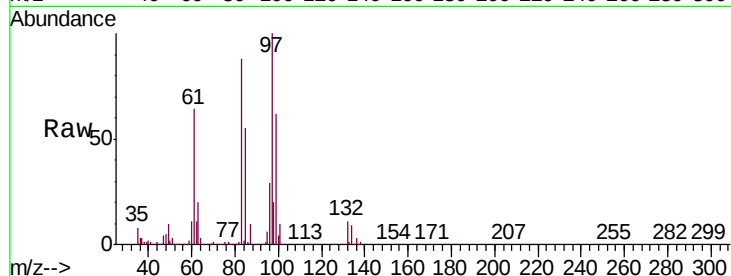




#45
1,1,2-Trichloroethane
Concen: 4.800 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. 0.00 min
Lab File: VV013451.D
Acq: 31 Oct 2019 17:17

Instrument :
MSVOA_V
ClientSampleId :
VICV32

Tgt Ion:	97	Resp:	117909
Ion	Ratio	Lower	Upper
97	100		
99	62.2	42.3	78.5
83	87.6	60.0	111.4
85	54.5	38.9	72.2



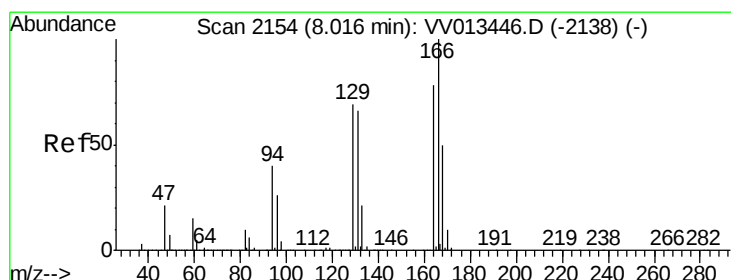
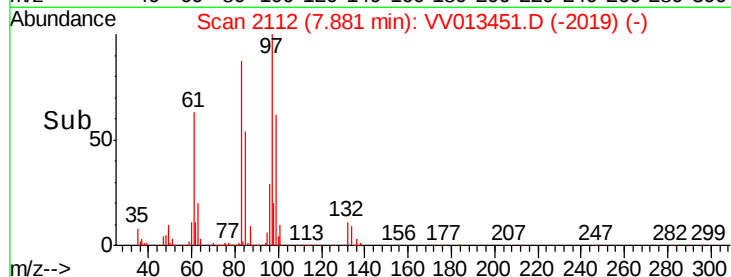
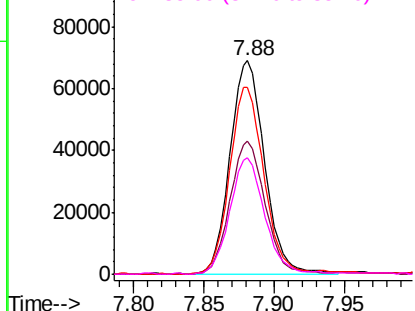
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
Tetrachloroethene
Concen: 4.968 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV013451.D
Acq: 31 Oct 2019 17:17

Tgt Ion:	164	Resp:	159863
Ion	Ratio	Lower	Upper
164	100		
129	89.7	61.7	114.5
131	87.1	59.4	110.2
166	131.0	89.9	166.9

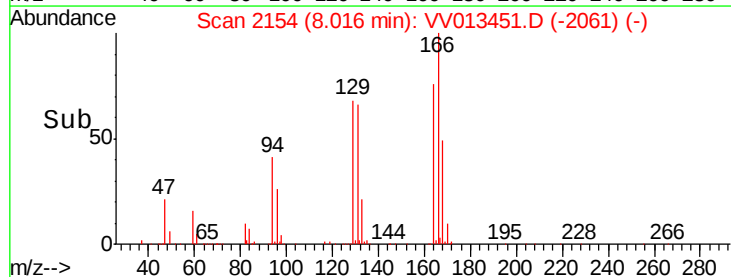
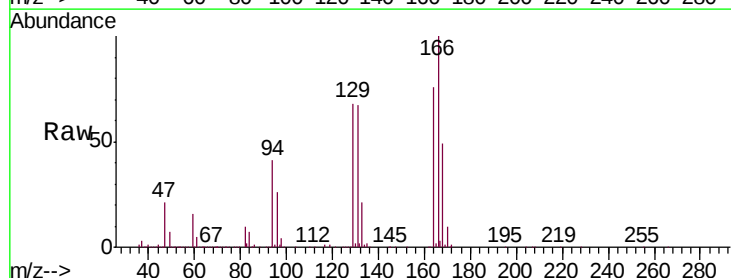
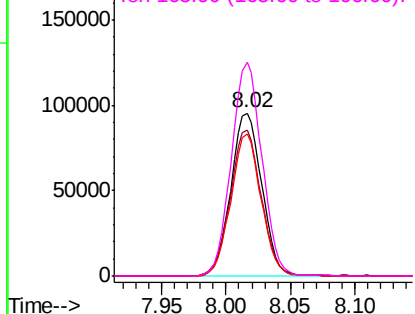
Abundance

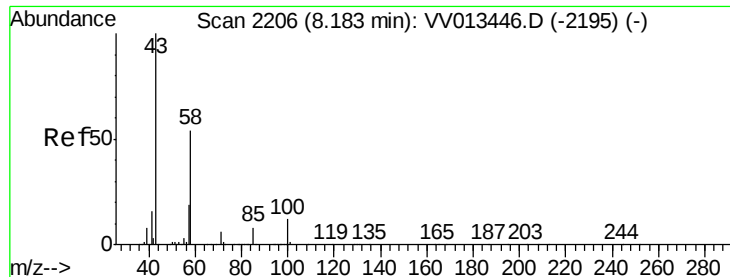
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

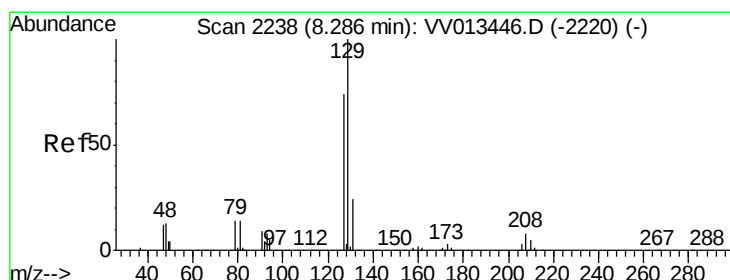
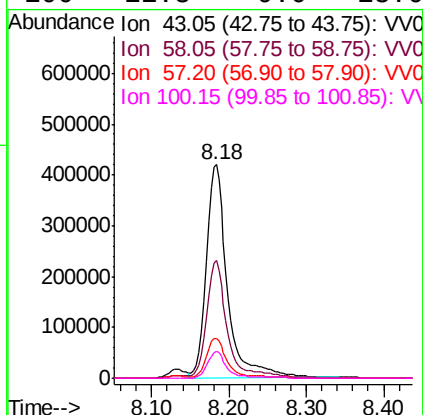
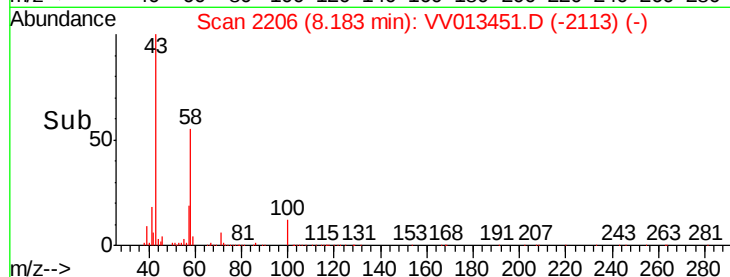
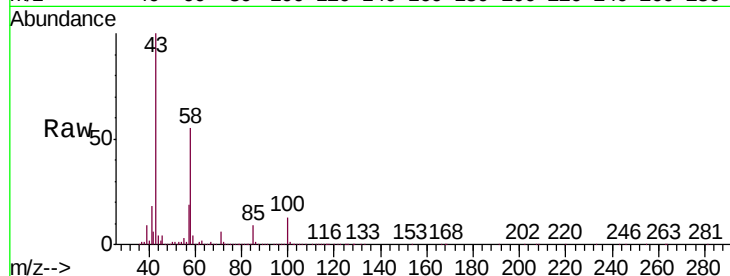




#48
2-Hexanone
Concen: 50.412 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV013451.D
Acq: 31 Oct 2019 17:17

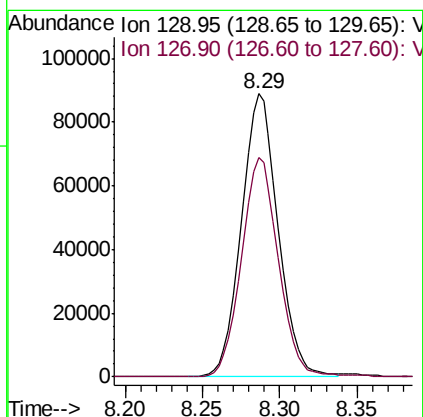
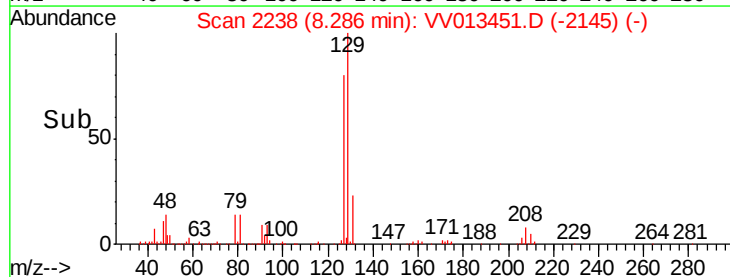
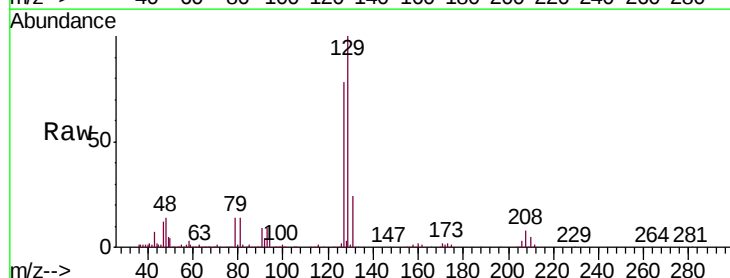
Instrument :
MSVOA_V
ClientSampleId :
VICV32

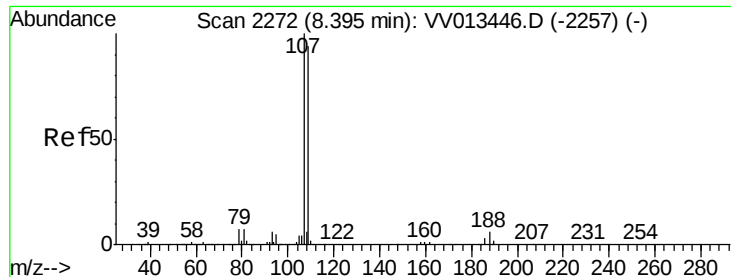
Tgt Ion: 43 Resp: 803842
Ion Ratio Lower Upper
43 100
58 53.8 42.2 63.4
57 18.7 14.9 22.3
100 11.3 9.0 13.6



#49
Dibromochloromethane
Concen: 4.900 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013451.D
Acq: 31 Oct 2019 17:17

Tgt Ion: 129 Resp: 146594
Ion Ratio Lower Upper
129 100
127 77.7 52.1 96.7

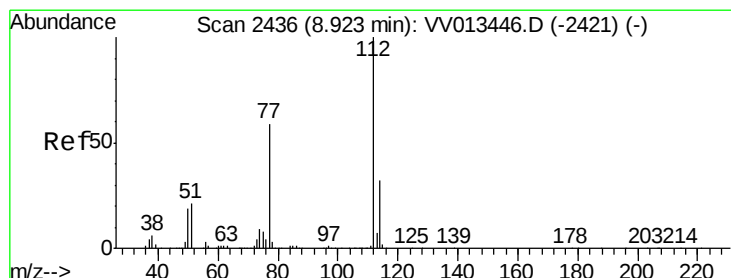
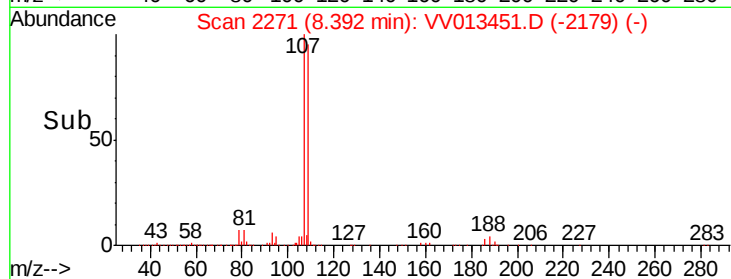
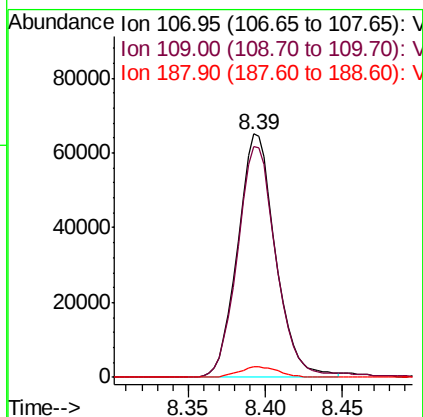
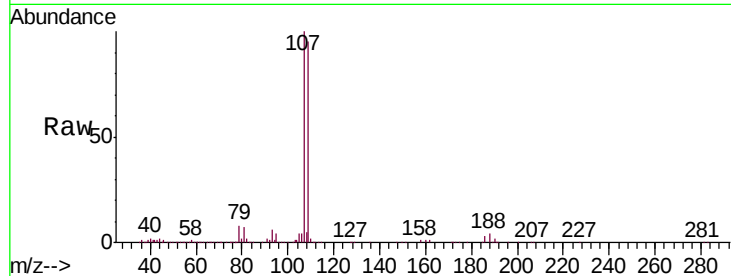




#50
1,2-Dibromoethane
Concen: 4.777 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV013451.D
Acq: 31 Oct 2019 17:17

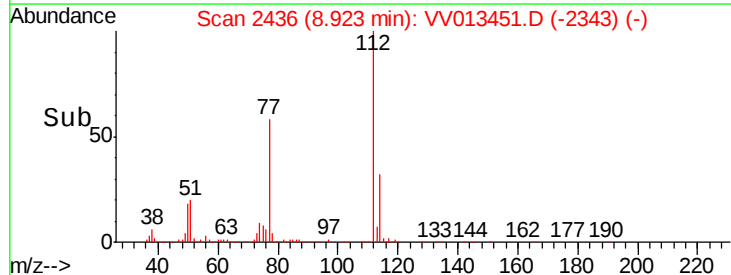
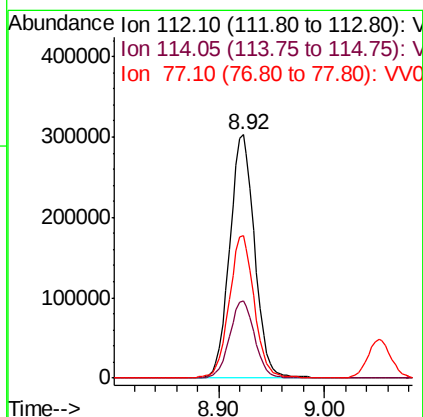
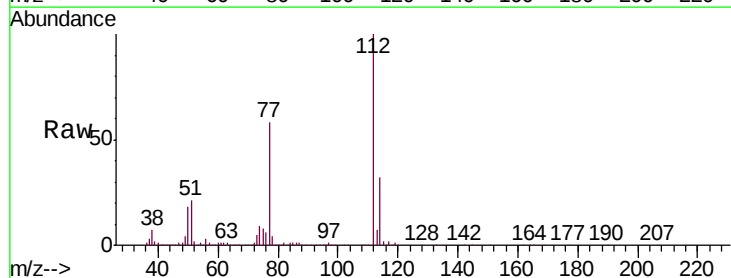
Instrument :
MSVOA_V
ClientSampleId :
VICV32

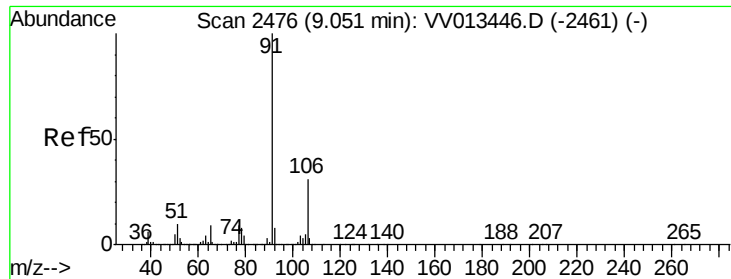
Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.0	65.5	121.7
188	4.3	4.5	6.7#



#51
Chlorobenzene
Concen: 5.295 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV013451.D
Acq: 31 Oct 2019 17:17

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.5	41.7
77	58.3	47.3	70.9





#52

Ethylbenzene

Concen: 5.369 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013451.D

Acq: 31 Oct 2019 17:17

Instrument :

MSVOA_V

ClientSampleId :

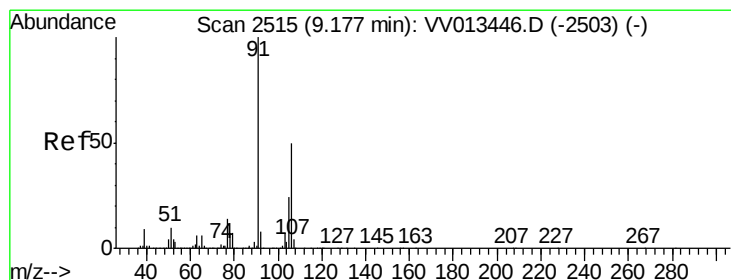
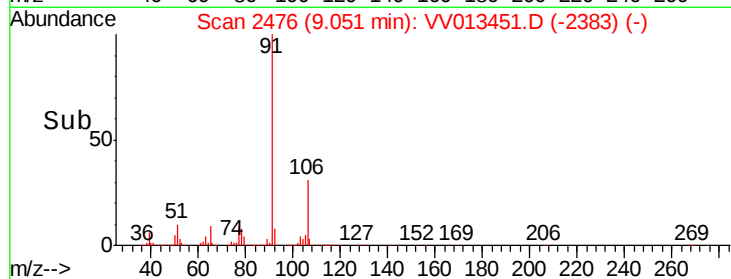
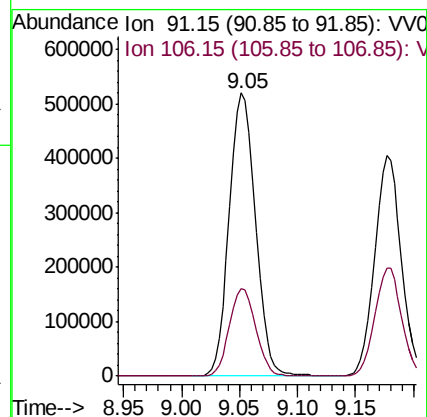
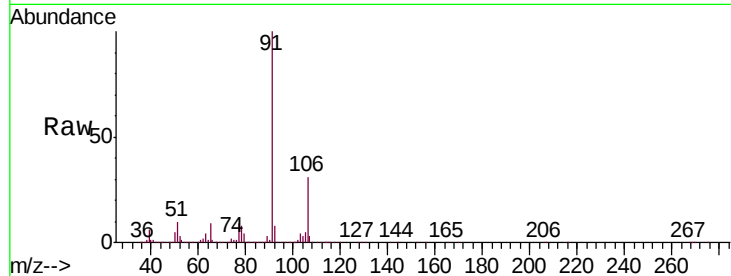
VICV32

Tgt Ion: 91 Resp: 818499

Ion Ratio Lower Upper

91 100

106 30.8 21.5 39.9



#53

m,p-xylene

Concen: 5.498 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013451.D

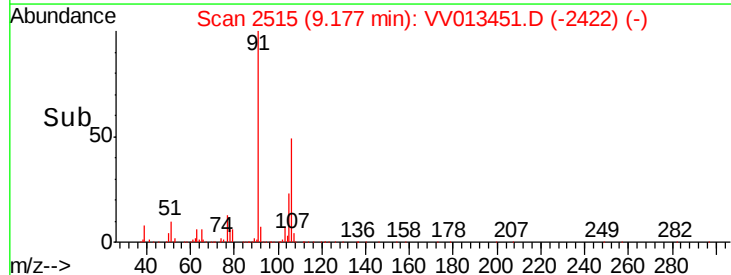
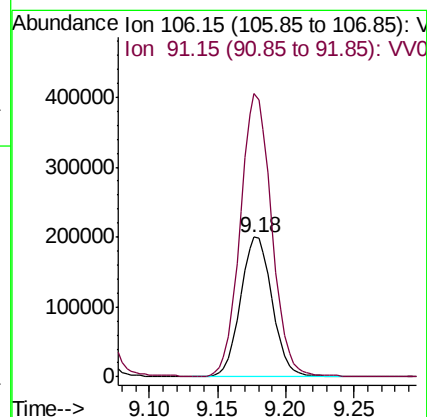
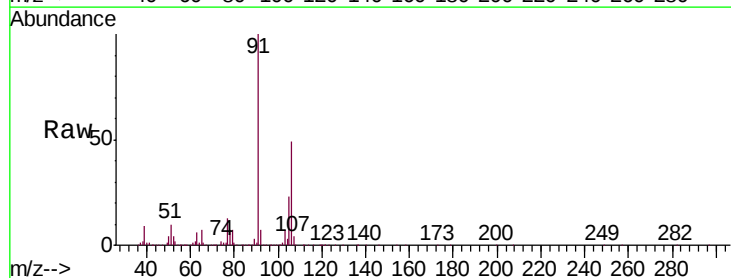
Acq: 31 Oct 2019 17:17

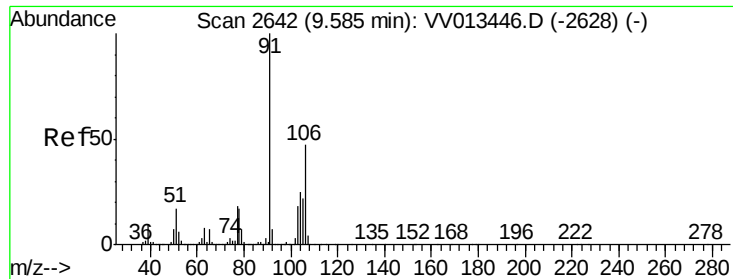
Tgt Ion: 106 Resp: 320756

Ion Ratio Lower Upper

106 100

91 202.8 141.5 262.7





#54

o-xylene

Concen: 5.299 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV013451.D

Acq: 31 Oct 2019 17:17

Instrument :

MSVOA_V

ClientSampleId :

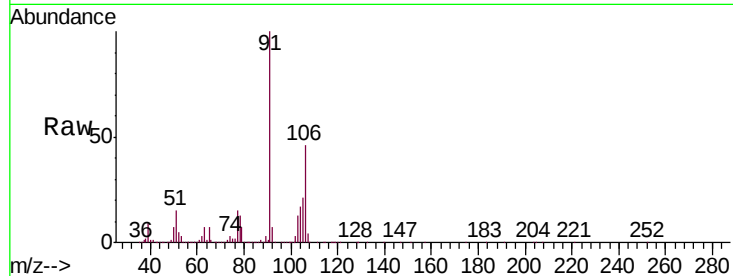
VICV32

Tgt Ion:106 Resp: 296305

Ion Ratio Lower Upper

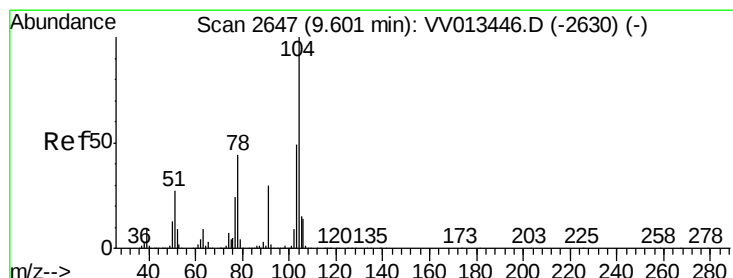
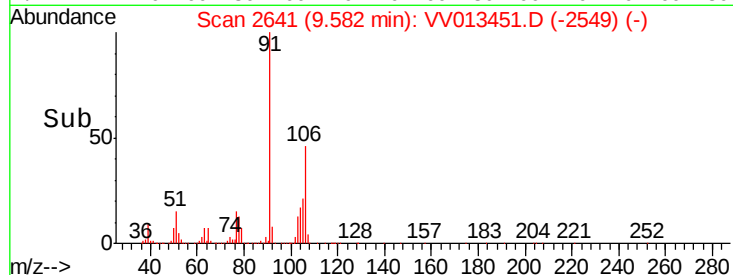
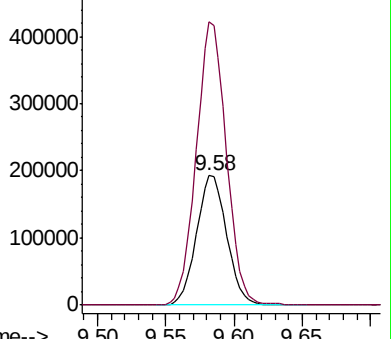
106 100

91 219.1 148.3 275.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.493 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV013451.D

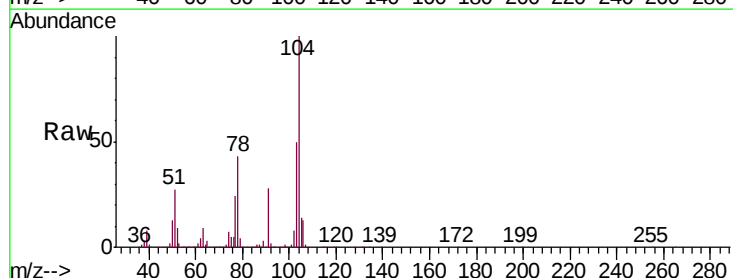
Acq: 31 Oct 2019 17:17

Tgt Ion:104 Resp: 522648

Ion Ratio Lower Upper

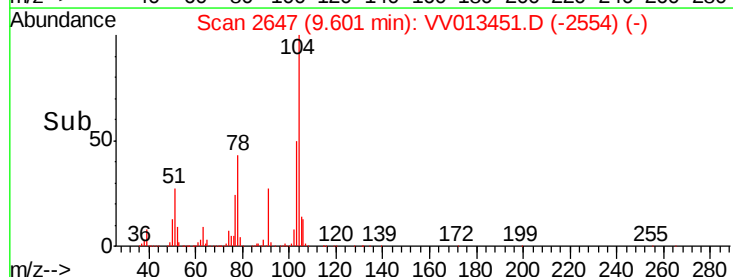
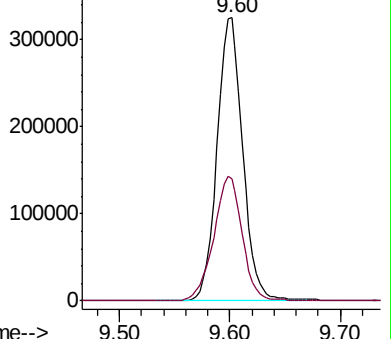
104 100

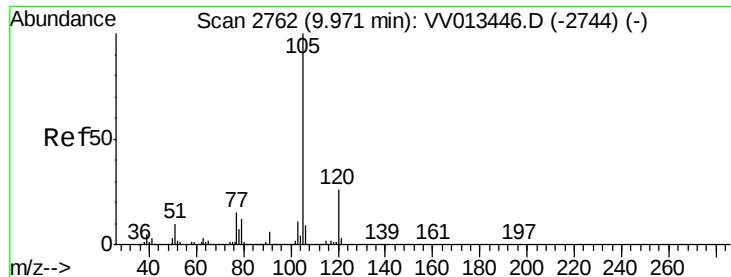
78 43.3 30.6 56.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.541 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013451.D

Acq: 31 Oct 2019 17:17

Instrument :

MSVOA_V

ClientSampleId :

VICV32

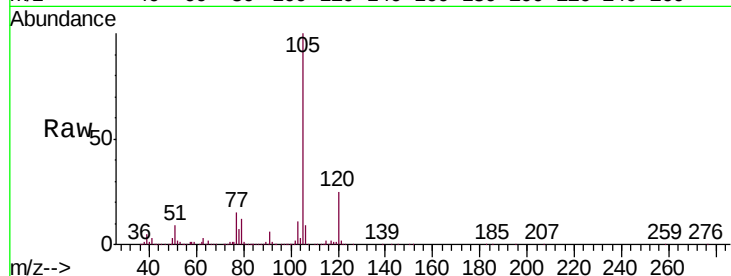
Tgt Ion: 105 Resp: 823458

Ion Ratio Lower Upper

105 100

120 26.1 21.1 31.7

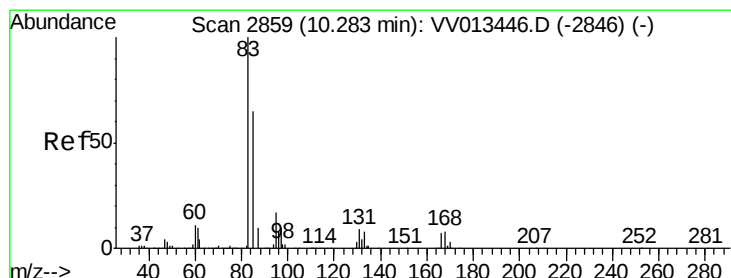
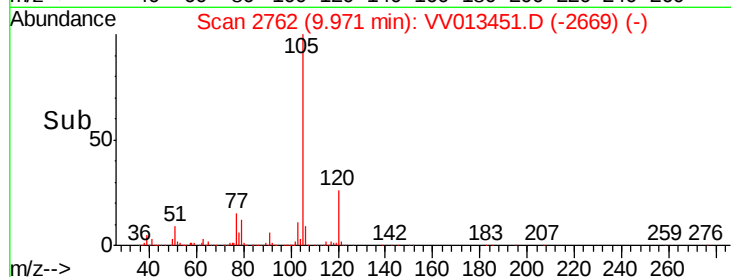
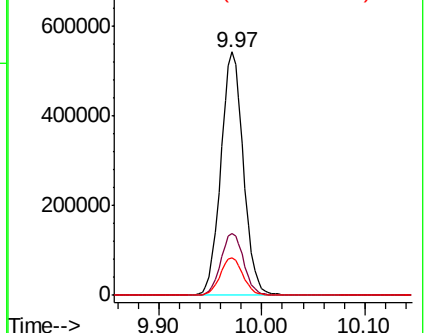
77 15.7 12.2 18.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.746 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV013451.D

Acq: 31 Oct 2019 17:17

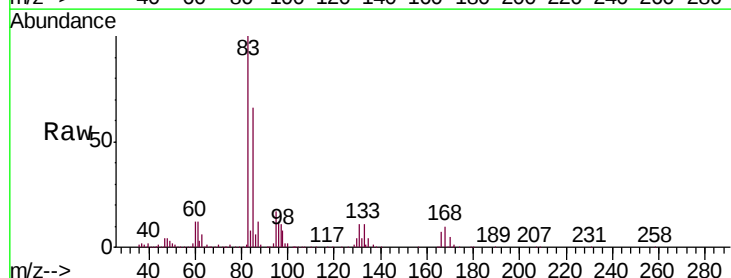
Tgt Ion: 83 Resp: 134695

Ion Ratio Lower Upper

83 100

85 65.7 45.8 85.0

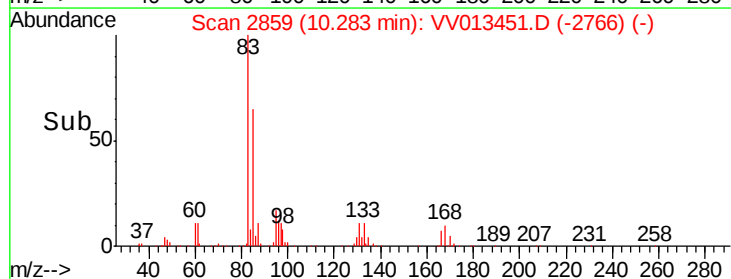
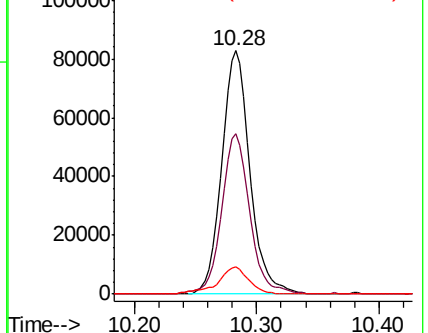
131 11.1 7.6 11.4

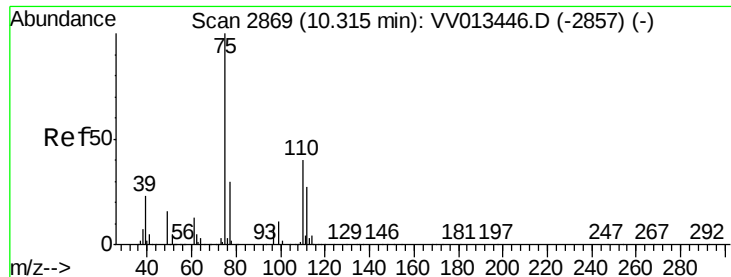


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.699 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013451.D

Acq: 31 Oct 2019 17:17

Instrument :

MSVOA_V

ClientSampled :

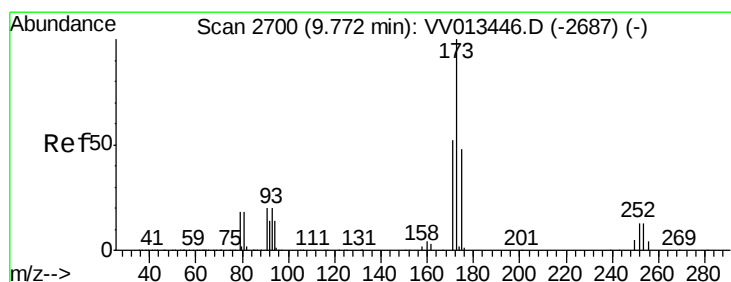
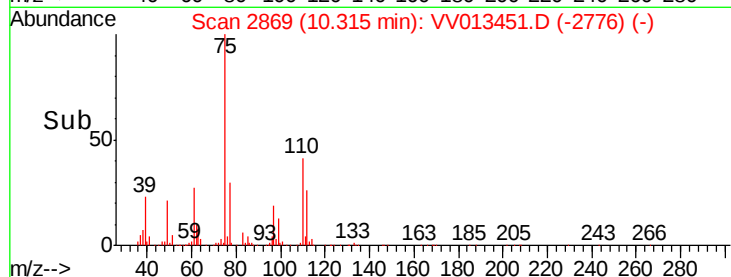
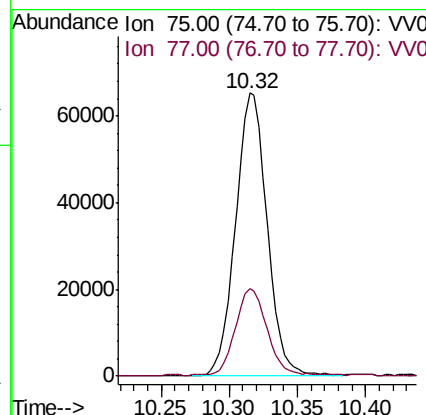
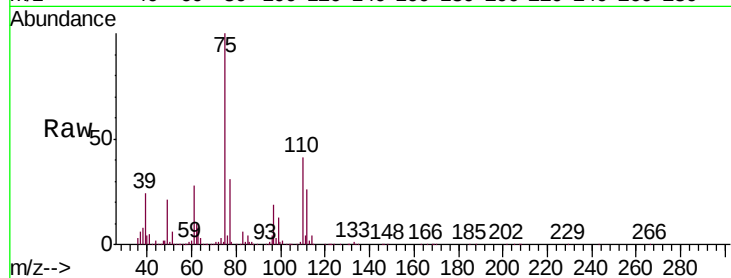
VICV32

Tgt Ion: 75 Resp: 105182

Ion Ratio Lower Upper

75 100

77 30.1 24.4 36.6



#61

Bromoform

Concen: 5.039 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV013451.D

Acq: 31 Oct 2019 17:17

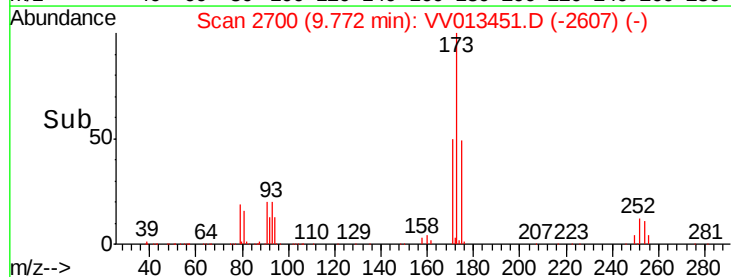
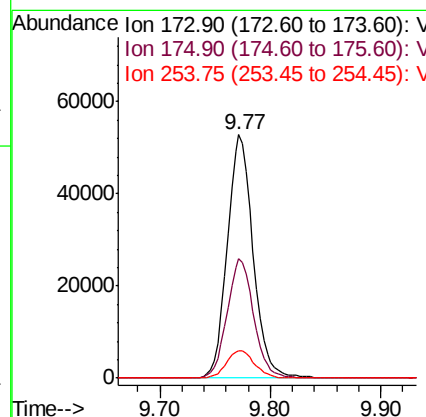
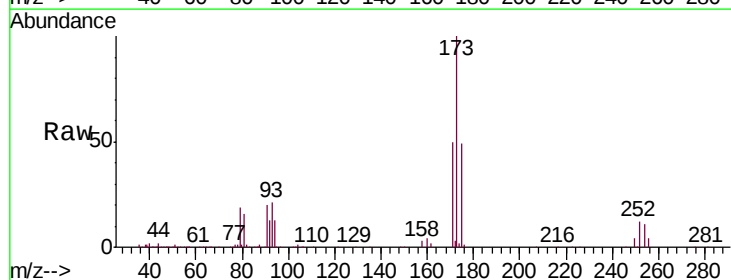
Tgt Ion: 173 Resp: 85856

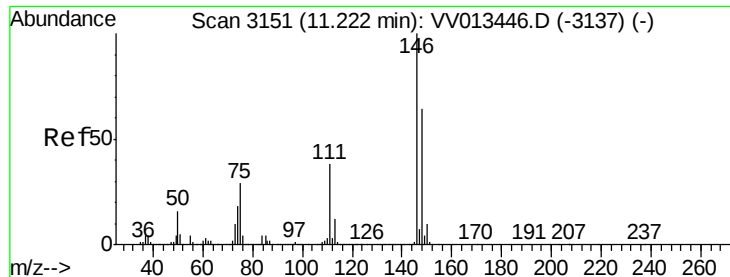
Ion Ratio Lower Upper

173 100

175 50.3 38.6 58.0

254 12.2 10.1 15.1

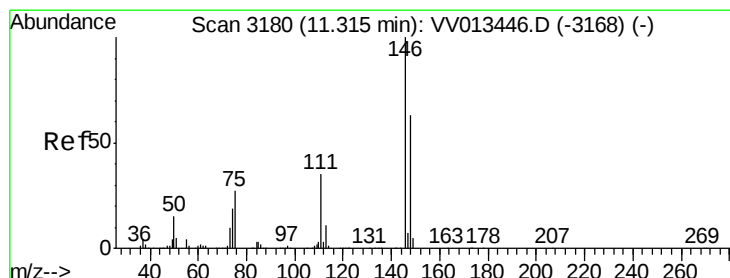
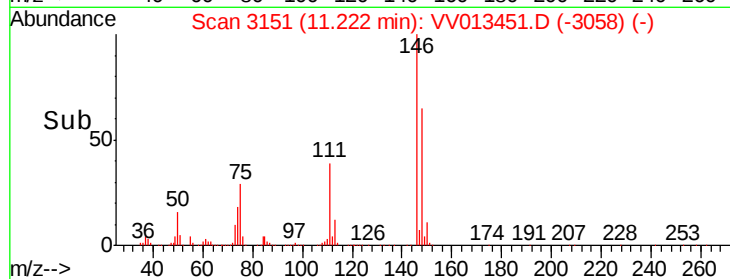
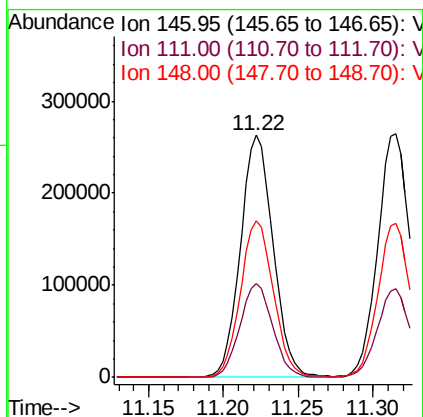
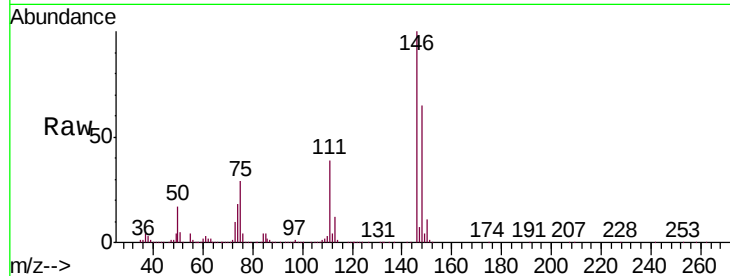




#62
 1,3-Dichlorobenzene
 Concen: 5.353 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV013451.D
 Acq: 31 Oct 2019 17:17

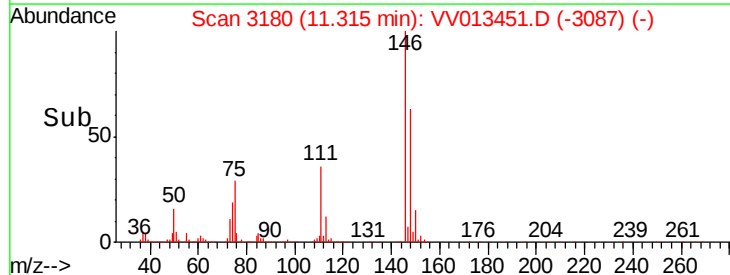
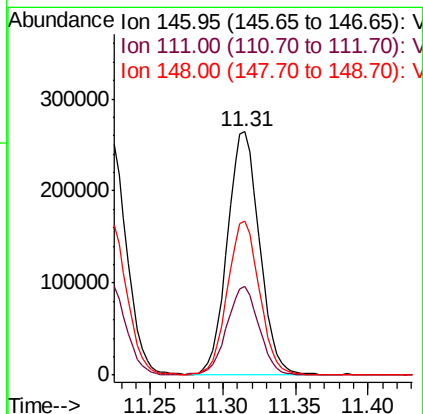
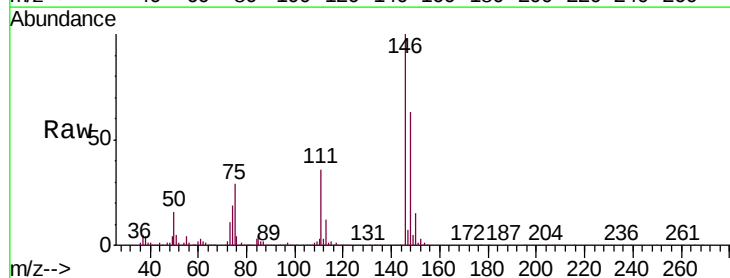
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV32

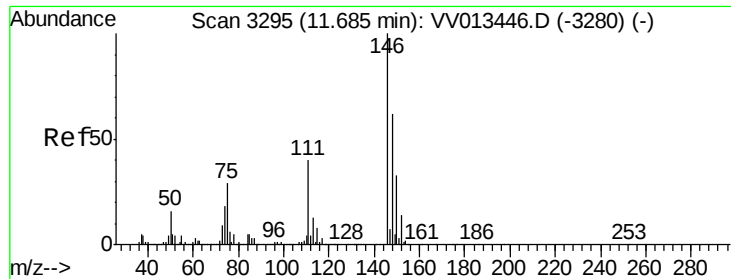
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	26.2	48.8
148	64.7	44.9	83.5



#63
 1,4-Dichlorobenzene
 Concen: 5.336 ug/L
 RT: 11.31 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV013451.D
 Acq: 31 Oct 2019 17:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	24.7	45.9
148	63.4	44.2	82.0

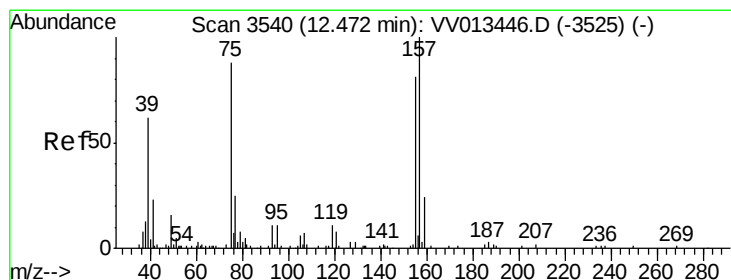
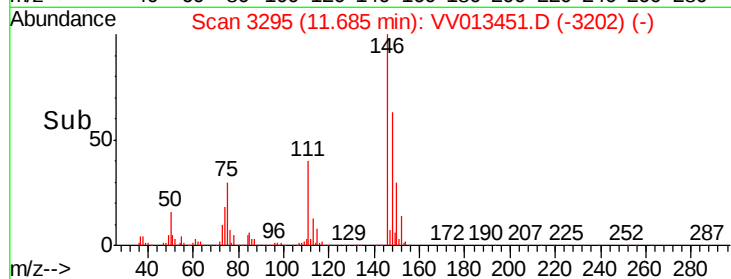
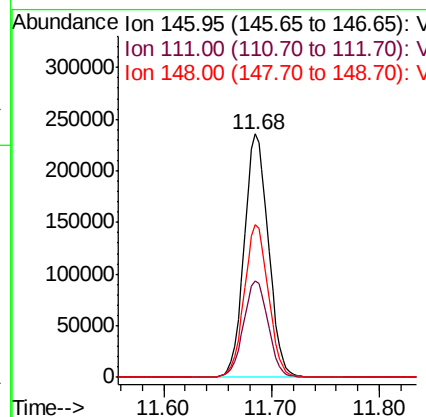
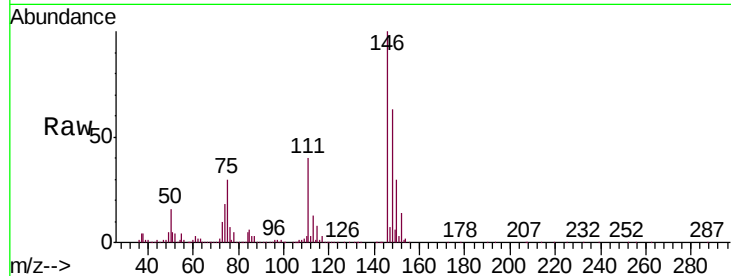




#65
 1,2-Dichlorobenzene
 Concen: 5.338 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV013451.D
 Acq: 31 Oct 2019 17:17

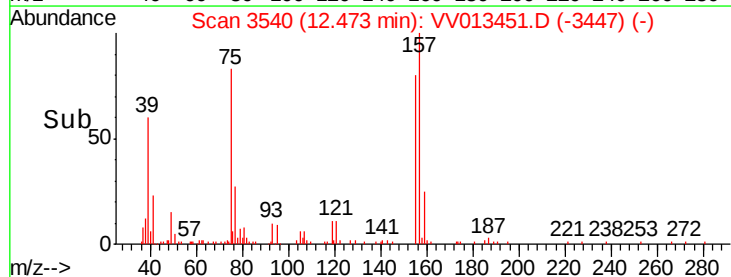
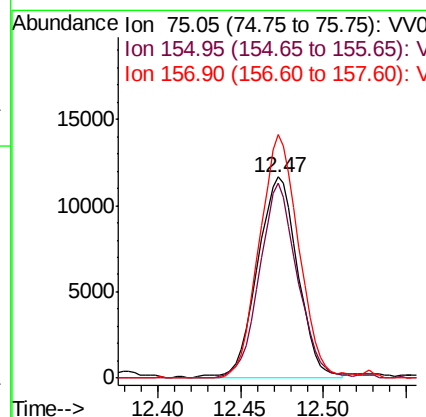
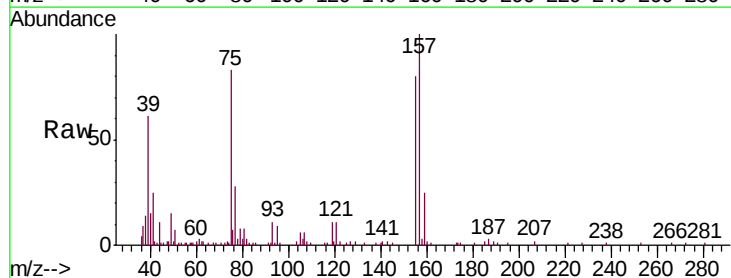
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV32

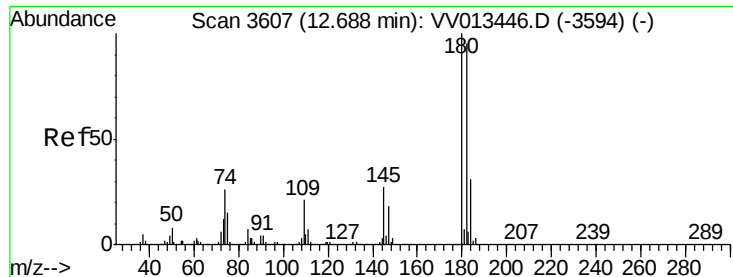
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	31.8	47.6
148	62.6	49.5	74.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.699 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV013451.D
 Acq: 31 Oct 2019 17:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.8	73.5	110.3
157	121.1	90.4	135.6

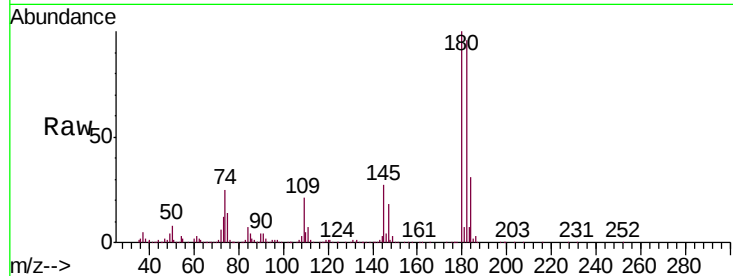




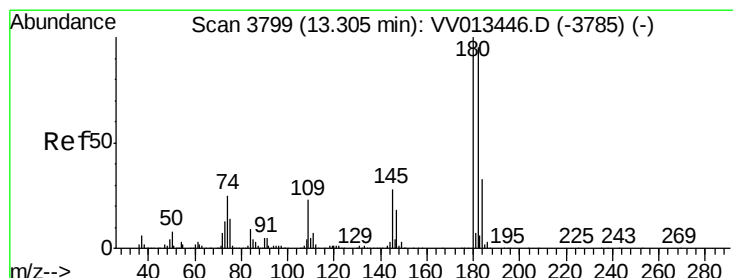
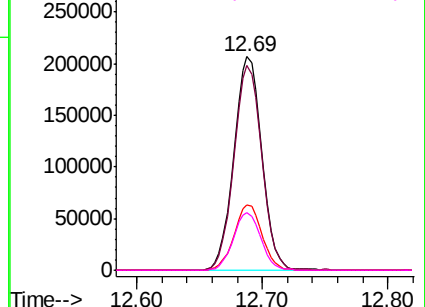
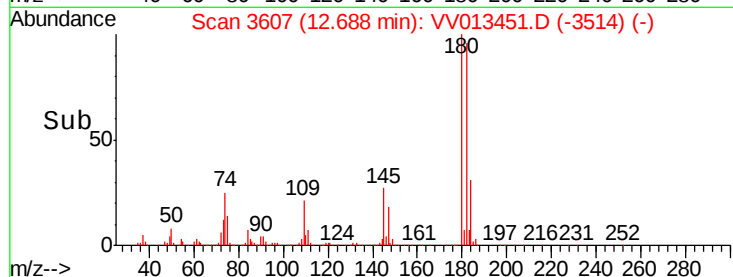
#67
 1,3,5-Trichlorobenzene
 Concen: 5.296 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013451.D
 Acq: 31 Oct 2019 17:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV32

Tgt Ion:	180	Resp:	319484
Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.1	114.1
184	30.7	24.5	36.7
145	26.8	21.4	32.2

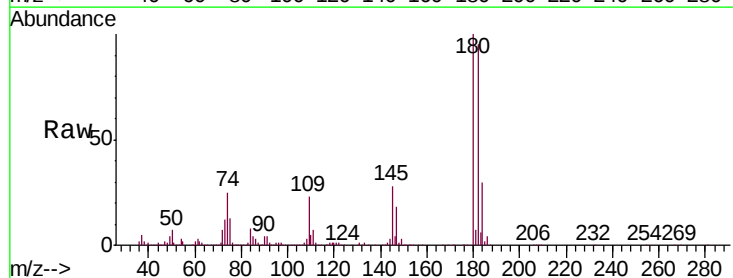


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

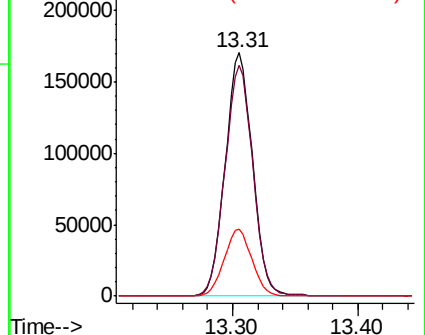
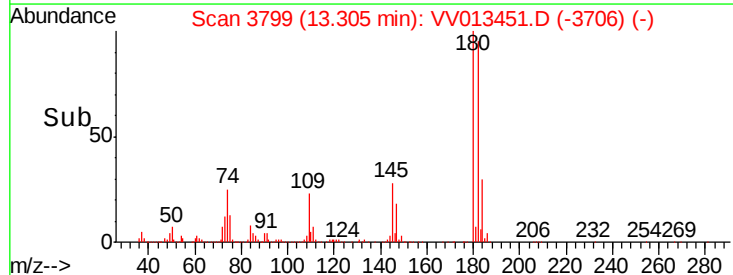


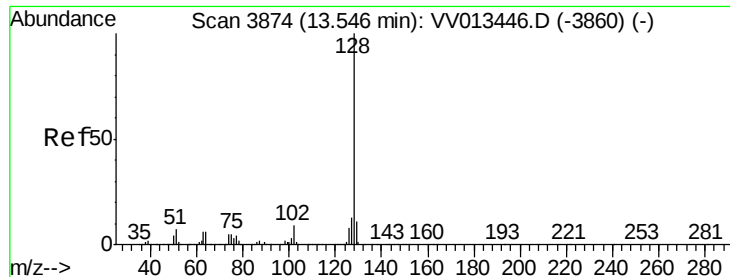
#68
 1,2,4-trichlorobenzene
 Concen: 5.112 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013451.D
 Acq: 31 Oct 2019 17:17

Tgt Ion:	180	Resp:	257398
Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.1	114.1
145	27.8	22.1	33.1



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.115 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013451.D

Acq: 31 Oct 2019 17:17

Instrument :

MSVOA_V

ClientSampleId :

VICV32

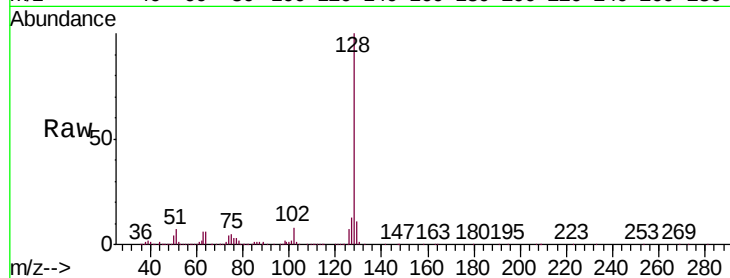
Tgt Ion:128 Resp: 377653

Ion Ratio Lower Upper

128 100

129 10.9 8.4 12.6

127 13.3 10.7 16.1

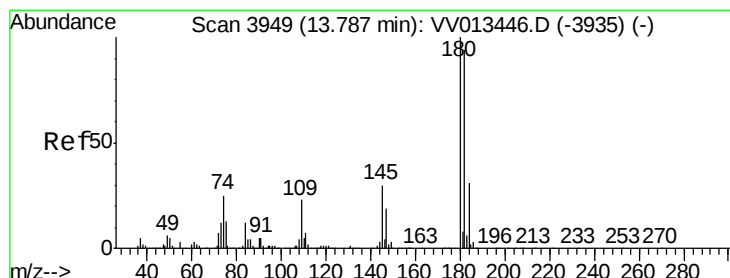
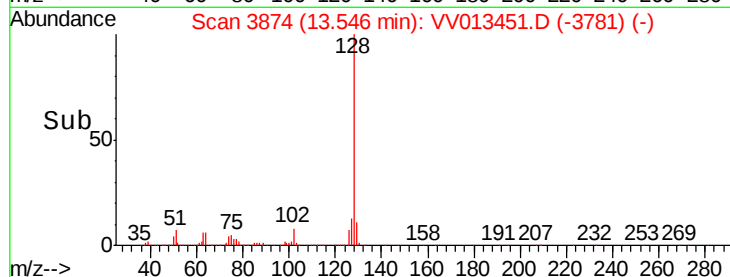
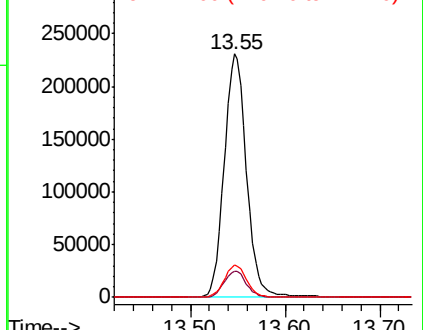


Abundance

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: 5.268 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013451.D

Acq: 31 Oct 2019 17:17

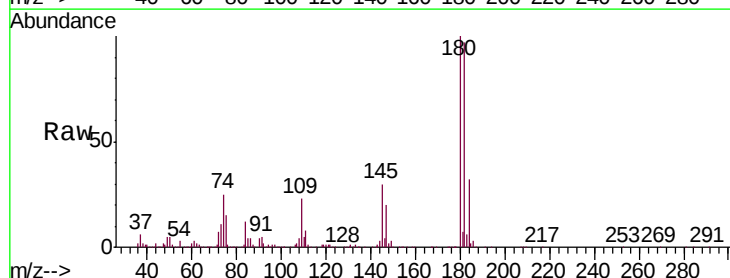
Tgt Ion:180 Resp: 244401

Ion Ratio Lower Upper

180 100

182 94.7 77.4 116.2

145 30.5 24.1 36.1



Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

