

Data File : VV013446.D
Acq On : 31 Oct 2019 14:23
Operator : SY/MD
Sample : VSTD00535
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00535

Quant Time: Nov 01 04:53:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR103119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 01 04:50:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	363666	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	377547	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	235054	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	137706	4.17	ug/L	0.00
7) Chloroethane-d5	1.58	69	113741	4.33	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	249515	4.58	ug/L	0.00
20) 2-Butanone-d5	3.95	46	389408	50.34	ug/L	0.00
24) Chloroform-d	4.40	84	322855	4.87	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	167523	5.00	ug/L	0.00
32) Benzene-d6	5.10	84	637195	4.93	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	197513	4.90	ug/L	0.00
41) Toluene-d8	7.36	98	598214	5.06	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	77000	5.15	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	299255	60.08	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	151283	5.61	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	226052	4.85	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	231429	4.813 ug/L	100
3) Chloromethane	1.25	50	195794	4.842 ug/L	100
5) Vinyl chloride	1.32	62	194001	4.925 ug/L	100
6) Bromomethane	1.53	94	87818	4.277 ug/L	100
8) Chloroethane	1.60	64	106427	4.771 ug/L	100
9) Trichlorofluoromethane	1.77	101	259592	5.015 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	143880	5.003 ug/L	100
12) 1,1-Dichloroethene	2.14	96	137145	4.965 ug/L	100
13) Acetone	2.21	43	195823	49.510 ug/L	100
14) Carbon disulfide	2.32	76	413372	4.966 ug/L	100
15) Methyl Acetate	2.47	43	73372	5.071 ug/L	100
16) Methylene chloride	2.53	84	183834	4.595 ug/L	100
17) Methyl tert-butyl Ether	2.81	73	400306	5.369 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	177238	4.855 ug/L	100
19) 1,1-Dichloroethane	3.23	63	332228	4.962 ug/L	100
21) 2-Butanone	4.03	43	454116	52.814 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	183390	4.971 ug/L	100
23) Bromochloromethane	4.30	128	81546	4.885 ug/L	100
25) Chloroform	4.42	83	339903	4.779 ug/L	100
27) 1,2-Dichloroethane	5.18	62	197578	5.031 ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	278288	5.031 ug/L	100
30) Cyclohexane	4.72	56	305783	5.234 ug/L	100
31) Carbon tetrachloride	4.87	117	250791	4.997 ug/L	100
33) Benzene	5.14	78	722316	5.186 ug/L	100
34) Trichloroethene	5.96	95	191546	4.987 ug/L	100
35) Methylcyclohexane	6.17	83	296181	5.182 ug/L	100
37) 1,2-Dichloropropane	6.22	63	178369	5.069 ug/L	100
38) Bromodichloromethane	6.55	83	221914	4.996 ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	247581	5.174 ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	1135306	56.313 ug/L	100

Data File : VV013446.D
Acq On : 31 Oct 2019 14:23
Operator : SY/MD
Sample : VSTD00535
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00535

Quant Time: Nov 01 04:53:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR103119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 01 04:50:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	748311	5.170	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	199144	5.234	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	121798	5.152	ug/L	100
47) Tetrachloroethene	8.02	164	158343	4.893	ug/L	100
48) 2-Hexanone	8.18	43	884418	60.970	ug/L	100
49) Dibromochloromethane	8.29	129	153050	5.202	ug/L	100
50) 1,2-Dibromoethane	8.40	107	114128	5.237	ug/L	100
51) Chlorobenzene	8.92	112	476481	5.079	ug/L	100
52) Ethylbenzene	9.05	91	804603	5.219	ug/L	100
53) m,p-xylene	9.18	106	309304	5.411	ug/L	100
54) o-xylene	9.59	106	301994	5.432	ug/L	100
55) Styrene	9.60	104	524544	5.628	ug/L	100
56) Isopropylbenzene	9.97	105	806092	5.414	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	144351	5.633	ug/L	100
59) 1,2,3-Trichloropropane	10.31	75	115129	5.514	ug/L	100
61) Bromoform	9.77	173	91959	5.280	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	394514	5.047	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	393140	5.003	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	367219	5.047	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	22241	5.869	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	307436	4.915	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	245802	5.053	ug/L	100
69) Naphthalene	13.55	128	366282	5.378	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	236873	5.315	ug/L	100

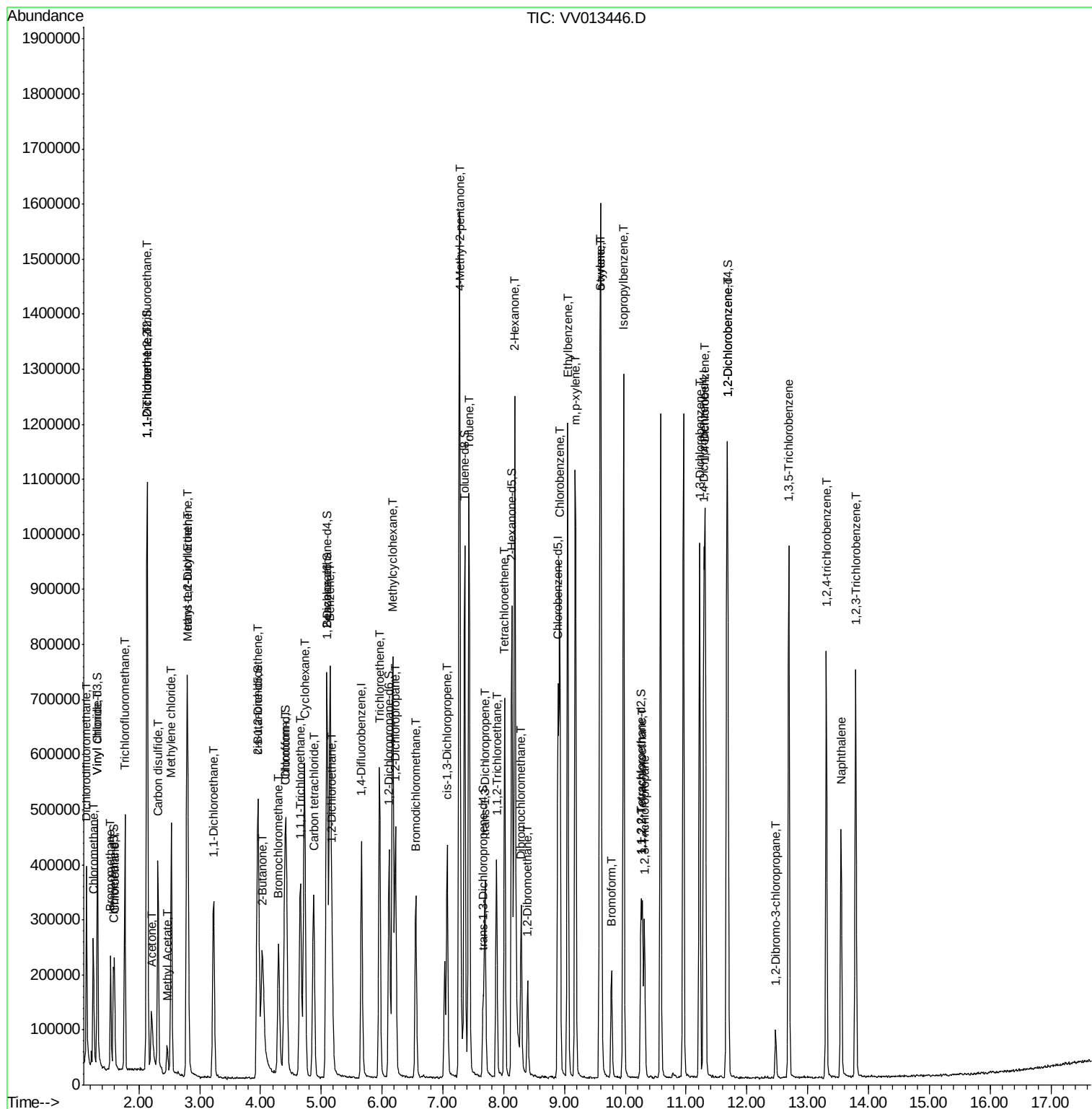
(#) = qualifier out of range (m) = manual integration (+) = signals summed

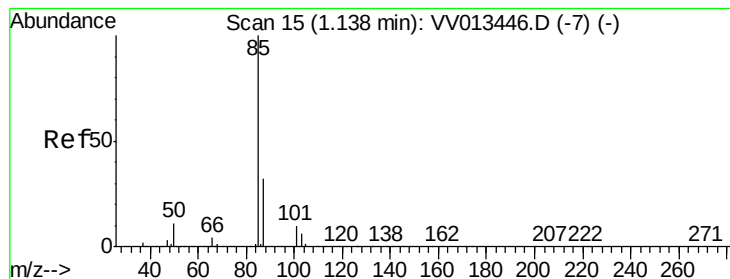
Data File : VV013446.D

```
Acq On       : 31 Oct 2019   14:23
Operator     : SY/MD
Sample       : VSTD00535
Misc         : 25.0ML/MSV0A_V/WATER
ALS Vial     : 5      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
VSTD00535

Quant Time: Nov 01 04:53:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR103119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 01 04:50:11 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.813 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013446.D

Acq: 31 Oct 2019 14:23

Instrument :

MSVOA_V

ClientSampleId :

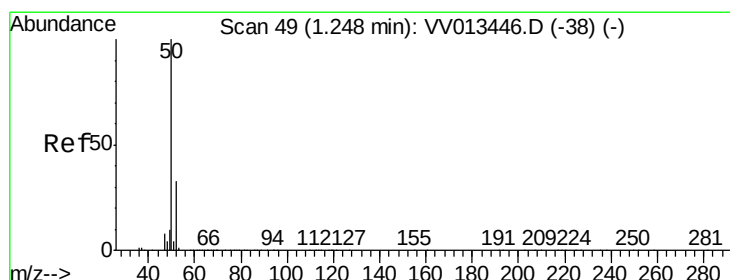
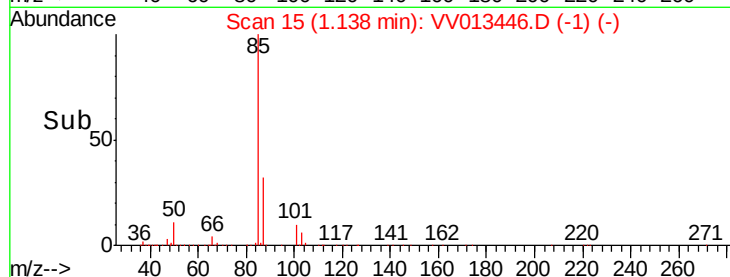
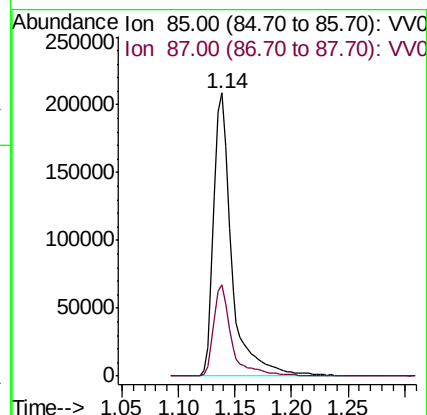
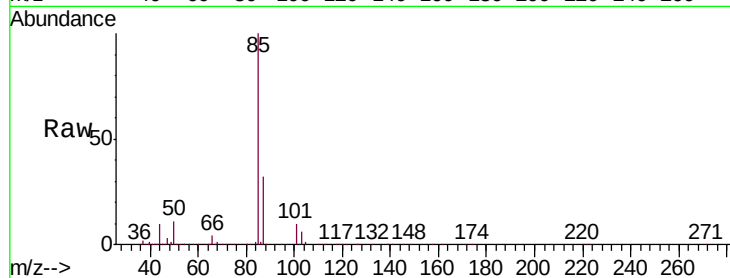
VSTD00535

Tgt Ion: 85 Resp: 231429

Ion Ratio Lower Upper

85 100

87 32.0 25.6 38.4



#3

Chloromethane

Concen: 4.842 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV013446.D

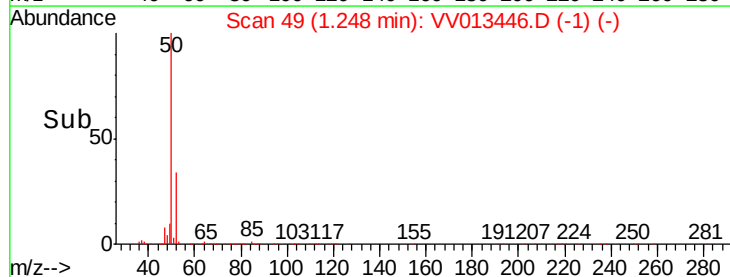
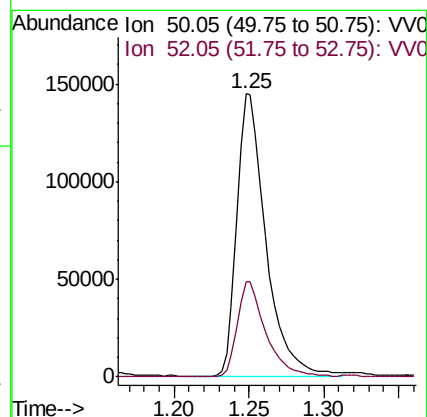
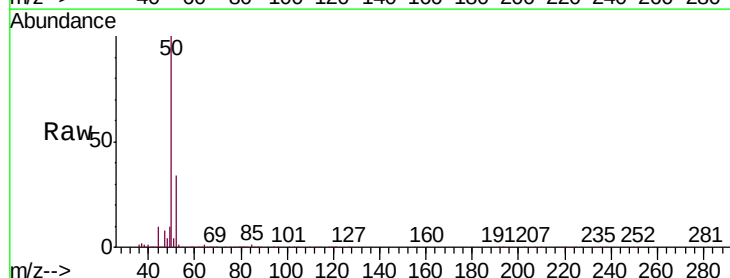
Acq: 31 Oct 2019 14:23

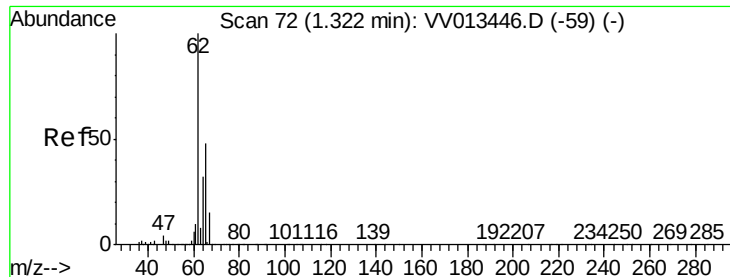
Tgt Ion: 50 Resp: 195794

Ion Ratio Lower Upper

50 100

52 33.5 23.4 43.6





#5

Vinyl chloride

Concen: 4.925 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013446.D

Acq: 31 Oct 2019 14:23

Instrument :

MSVOA_V

ClientSampleId :

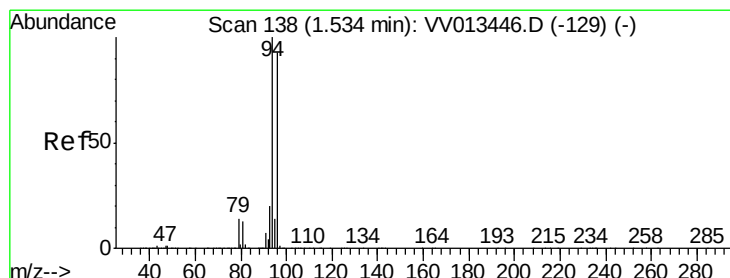
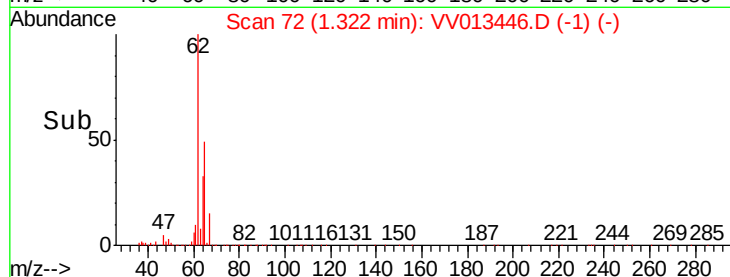
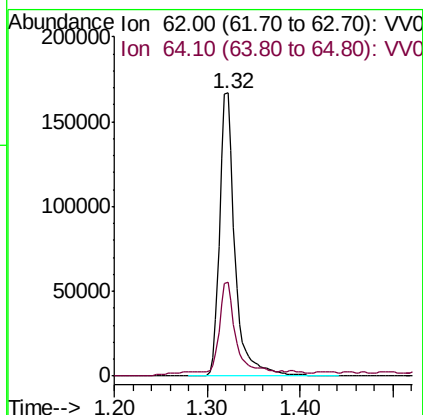
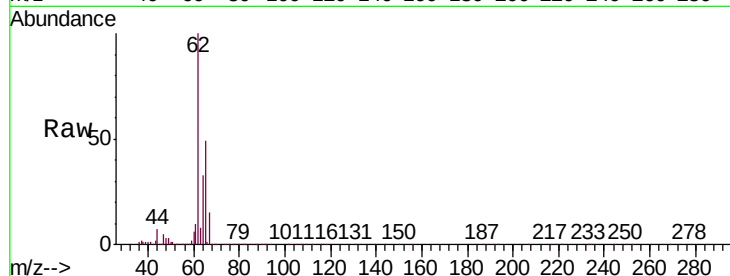
VSTD00535

Tgt Ion: 62 Resp: 194001

Ion Ratio Lower Upper

62 100

64 33.0 23.1 42.9



#6

Bromomethane

Concen: 4.277 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV013446.D

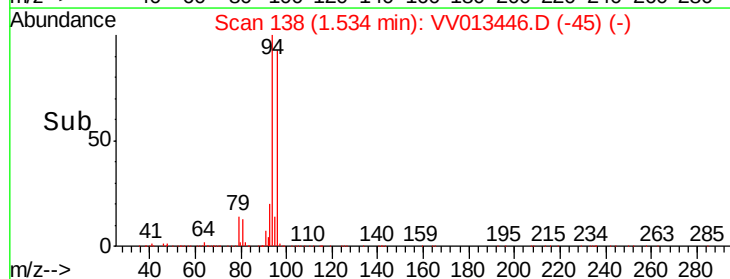
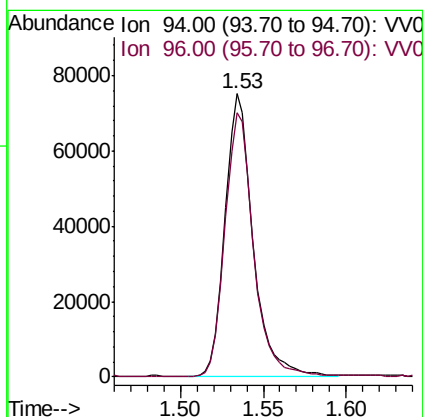
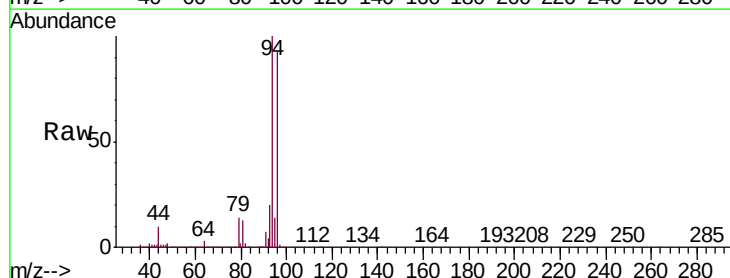
Acq: 31 Oct 2019 14:23

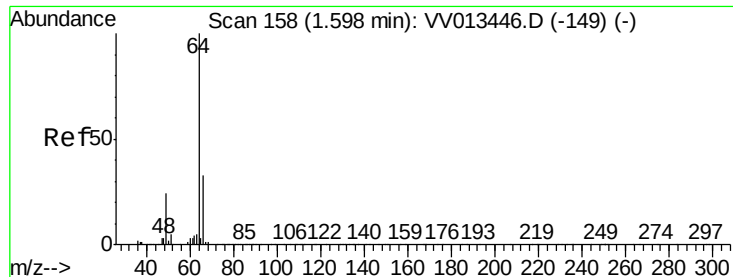
Tgt Ion: 94 Resp: 87818

Ion Ratio Lower Upper

94 100

96 93.2 65.2 121.2

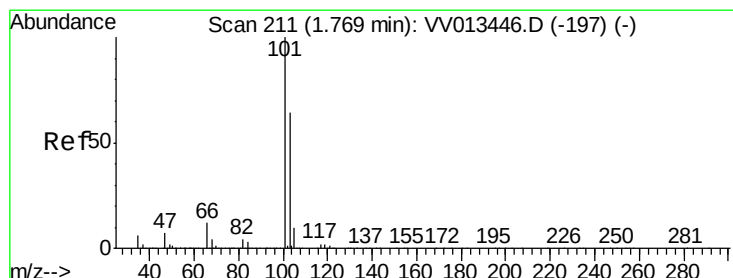
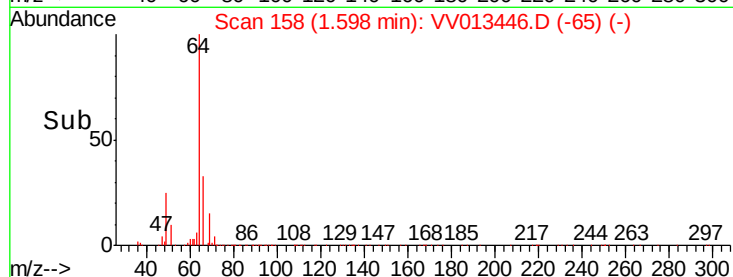
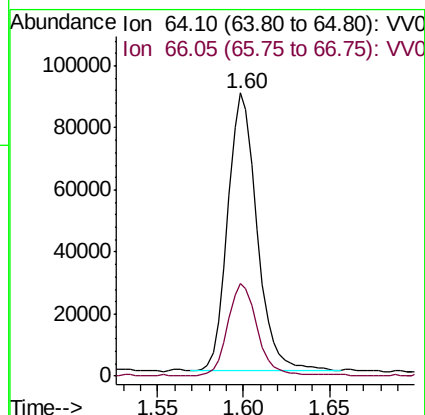
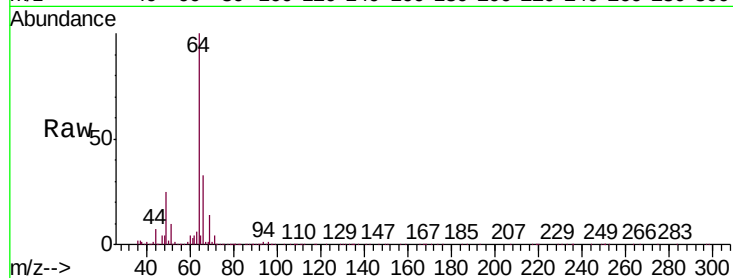




#8
Chloroethane
Concen: 4.771 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV013446.D
Acq: 31 Oct 2019 14:23

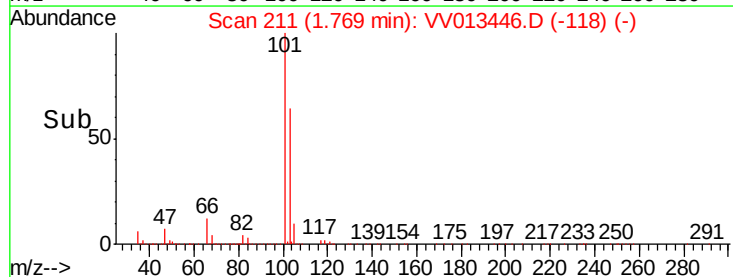
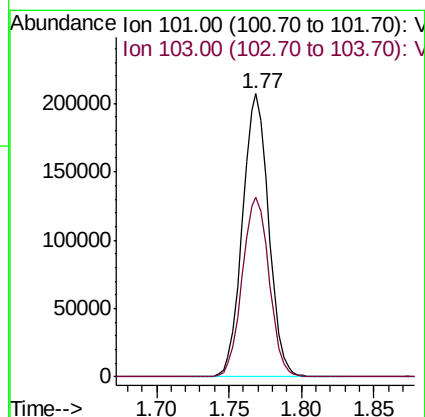
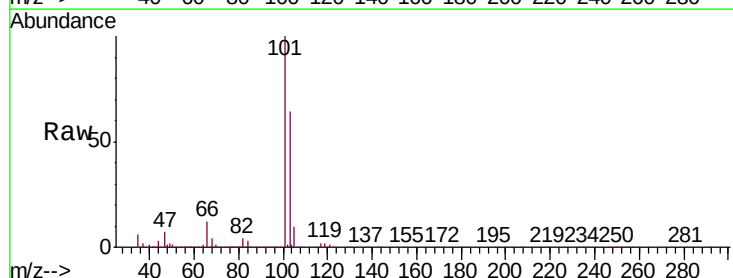
Instrument :
MSVOA_V
ClientSampleId :
VSTD00535

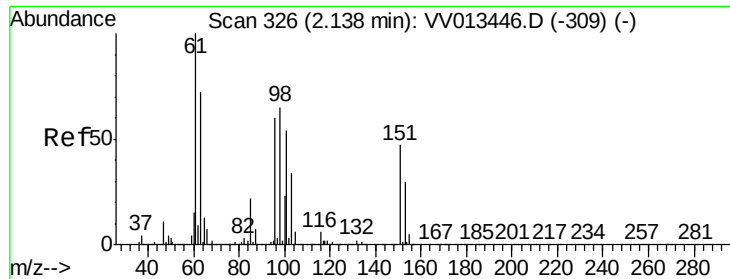
Tgt Ion: 64 Resp: 106427
Ion Ratio Lower Upper
64 100
66 32.6 22.8 42.4



#9
Trichlorofluoromethane
Concen: 5.015 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV013446.D
Acq: 31 Oct 2019 14:23

Tgt Ion: 101 Resp: 259592
Ion Ratio Lower Upper
101 100
103 65.1 52.1 78.1





#10

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

Concen: 5.003 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013446.D

Acq: 31 Oct 2019 14:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD00535

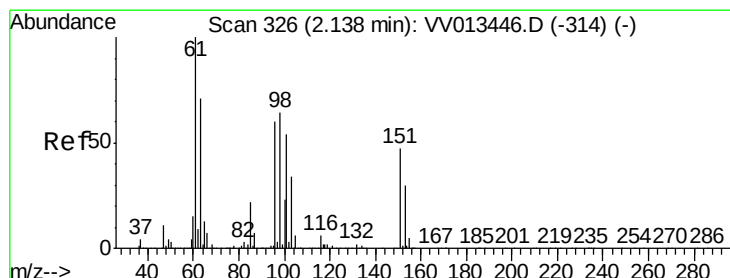
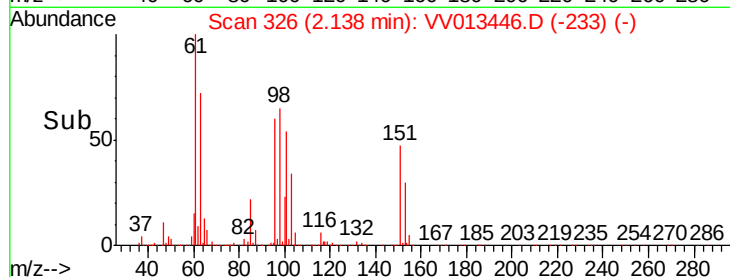
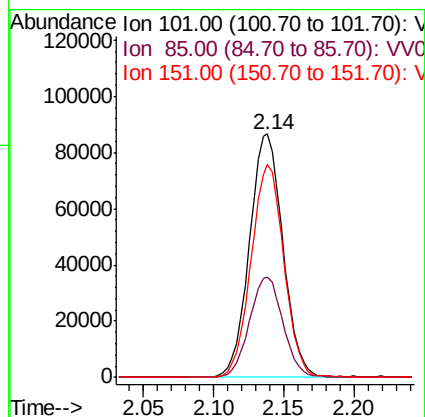
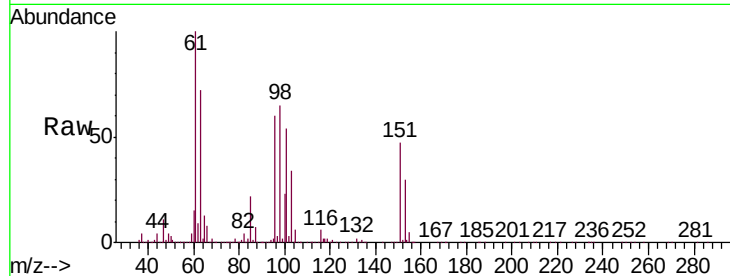
Tgt Ion: 101 Resp: 143880

Ion Ratio Lower Upper

101 100

85 41.4 33.1 49.7

151 86.0 68.8 103.2



#12

1,1-Dichloroethene

Concen: 4.965 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013446.D

Acq: 31 Oct 2019 14:23

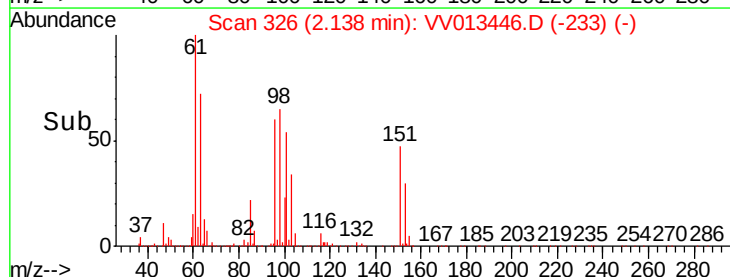
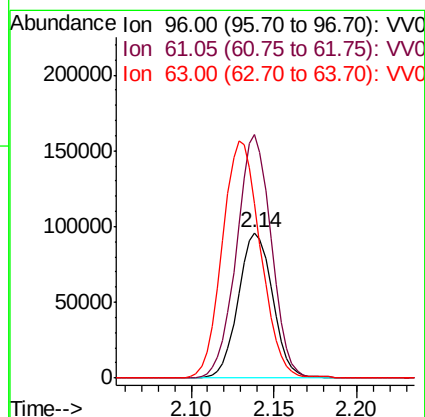
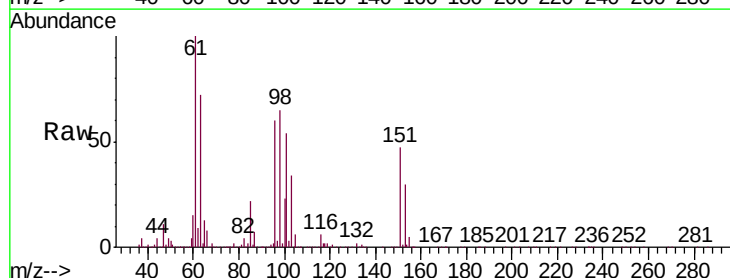
Tgt Ion: 96 Resp: 137145

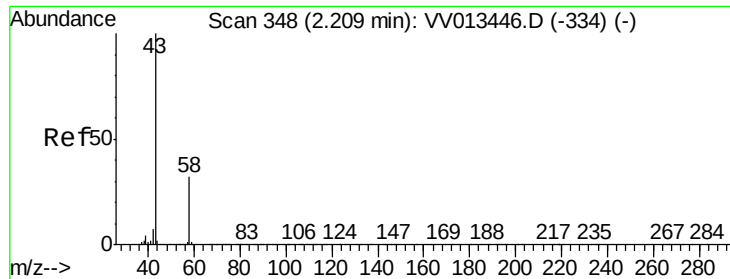
Ion Ratio Lower Upper

96 100

61 167.3 117.1 217.5

63 120.2 84.1 156.3





#13

Acetone

Concen: 49.510 ug/L

RT: 2.21 min Scan# 348

Delta R.T. 0.00 min

Lab File: VV013446.D

Acq: 31 Oct 2019 14:23

Instrument :

MSVOA_V

ClientSampleId :

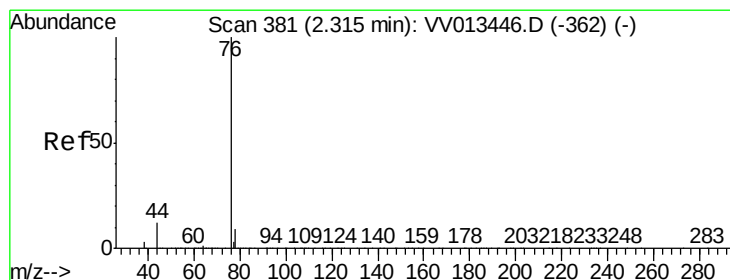
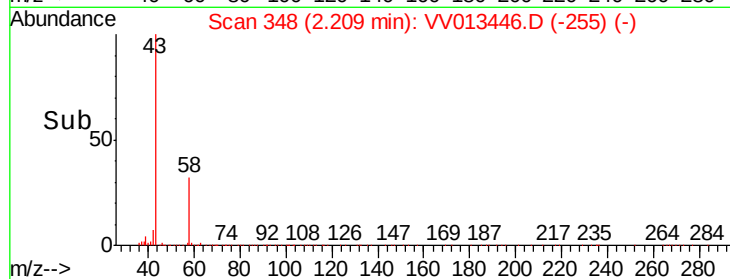
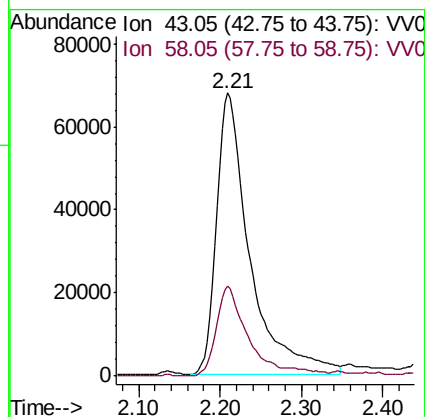
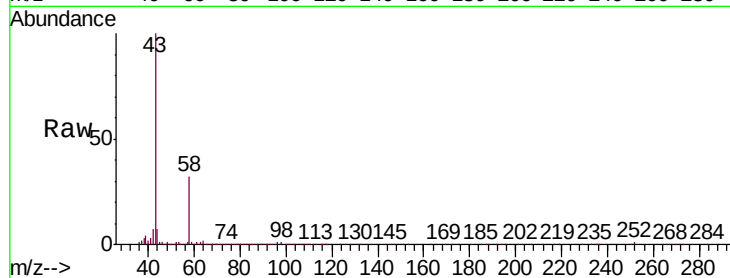
VSTD00535

Tgt Ion: 43 Resp: 195823

Ion Ratio Lower Upper

43 100

58 29.0 0.0 58.0



#14

Carbon disulfide

Concen: 4.966 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013446.D

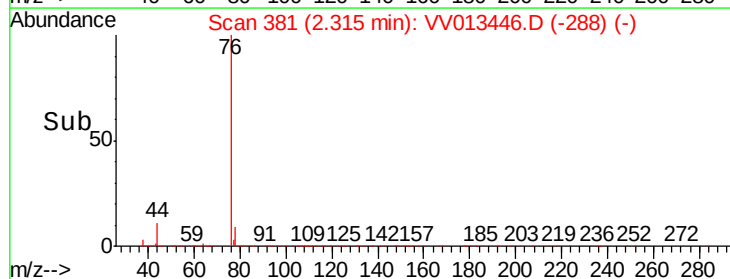
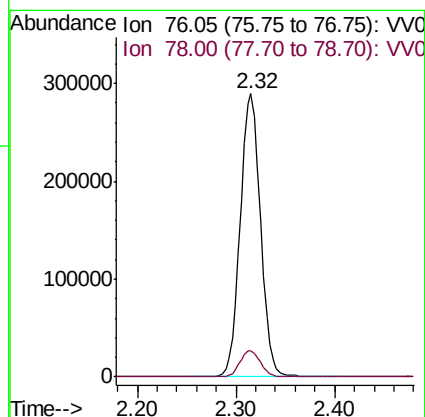
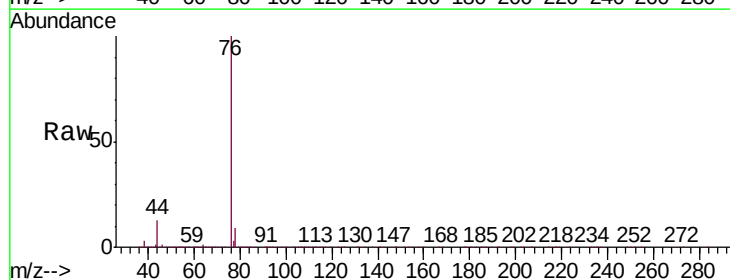
Acq: 31 Oct 2019 14:23

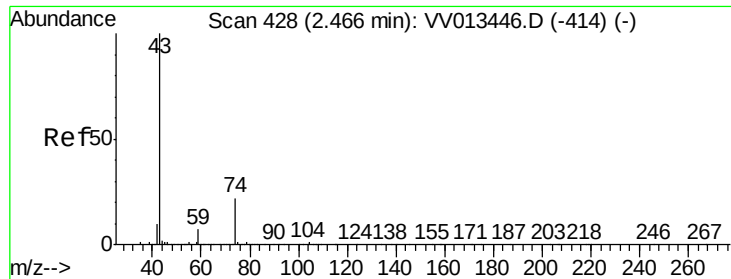
Tgt Ion: 76 Resp: 413372

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

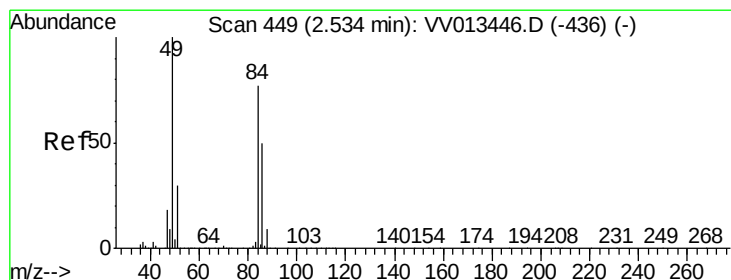
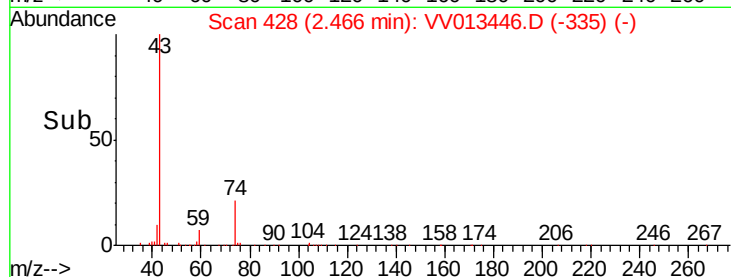
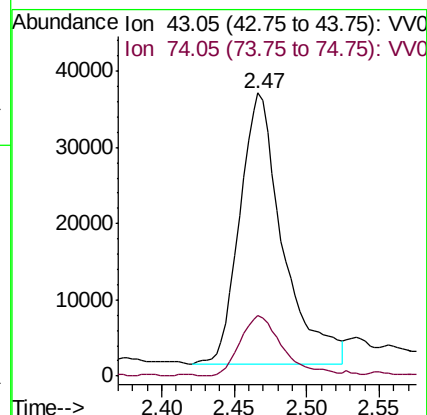
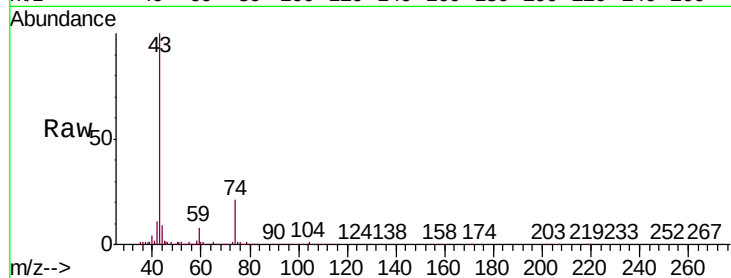




#15
Methyl Acetate
Concen: 5.071 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VV013446.D
Acq: 31 Oct 2019 14:23

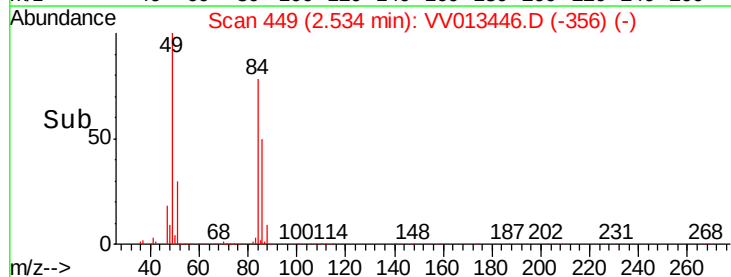
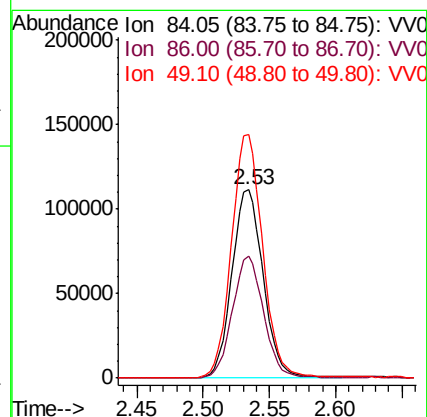
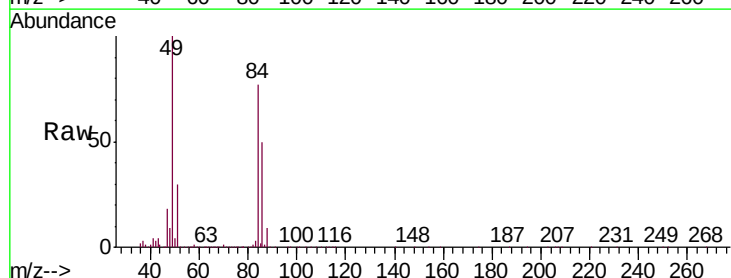
Instrument :
MSVOA_V
ClientSampleId :
VSTD00535

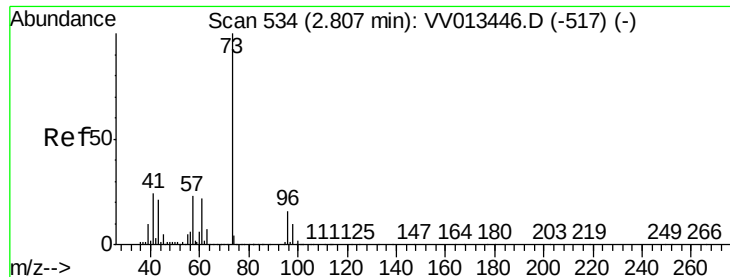
Tgt Ion: 43 Resp: 73372
Ion Ratio Lower Upper
43 100
74 22.3 17.8 26.8



#16
Methylene chloride
Concen: 4.595 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013446.D
Acq: 31 Oct 2019 14:23

Tgt Ion: 84 Resp: 183834
Ion Ratio Lower Upper
84 100
86 64.7 45.3 84.1
49 129.2 90.4 168.0

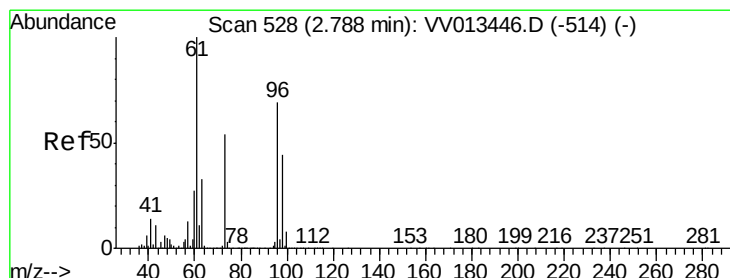
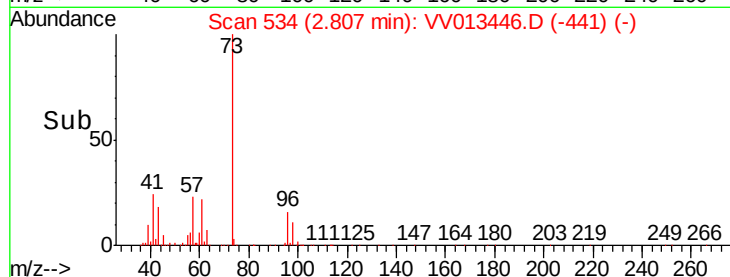
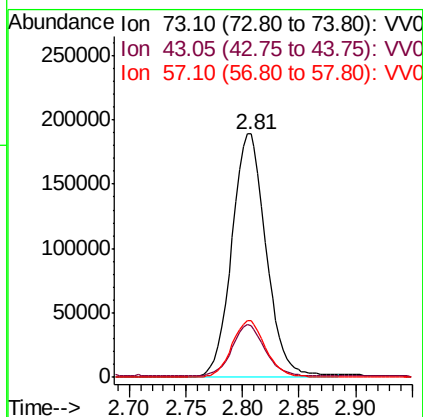
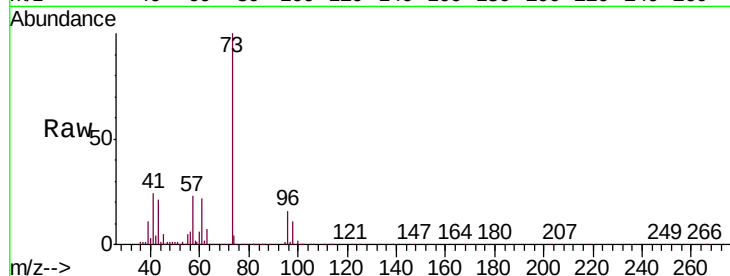




#17
Methyl tert-butyl Ether
Concen: 5.369 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV013446.D
Acq: 31 Oct 2019 14:23

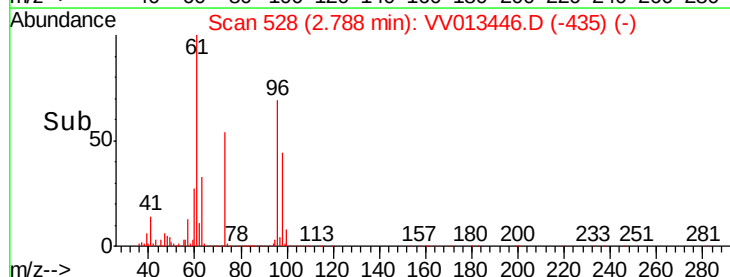
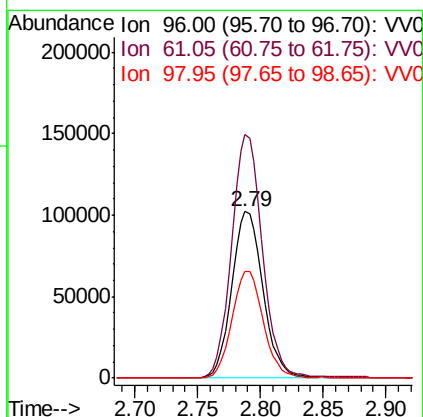
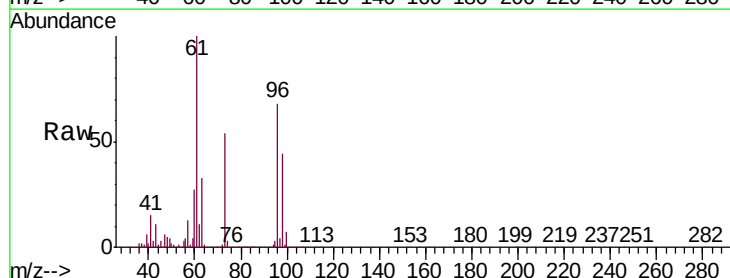
Instrument :
MSVOA_V
ClientSampleId :
VSTD00535

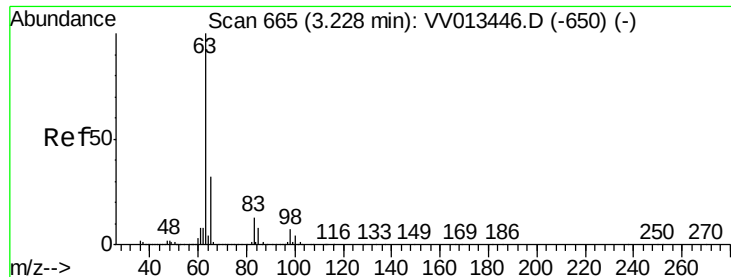
Tgt Ion:	73	Resp:	400306
Ion	Ratio	Lower	Upper
73	100		
43	19.9	15.9	23.9
57	23.1	18.5	27.7



#18
trans-1,2-Dichloroethene
Concen: 4.855 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV013446.D
Acq: 31 Oct 2019 14:23

Tgt Ion:	96	Resp:	177238
Ion	Ratio	Lower	Upper
96	100		
61	146.0	102.2	189.8
98	64.2	44.9	83.5

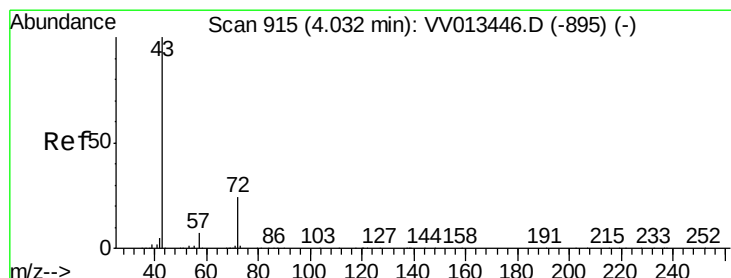
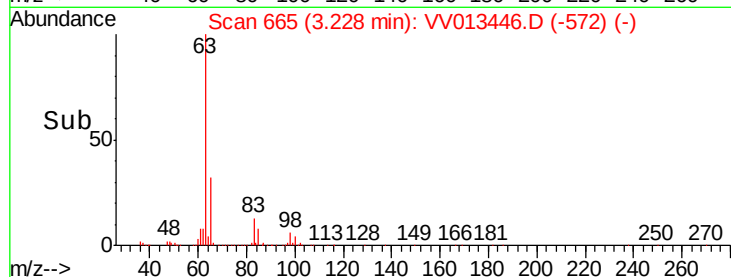
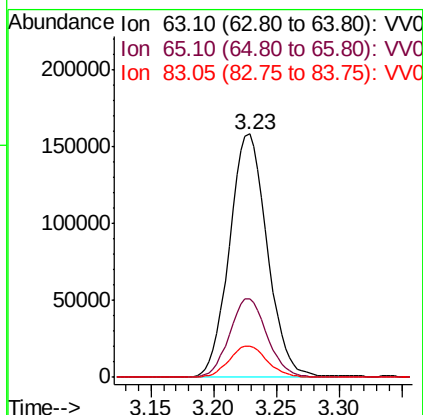
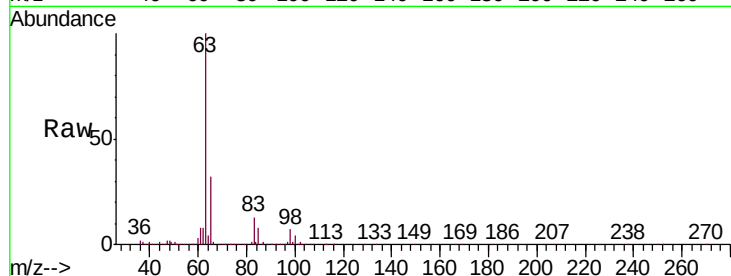




#19
 1,1-Dichloroethane
 Concen: 4.962 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV013446.D
 Acq: 31 Oct 2019 14:23

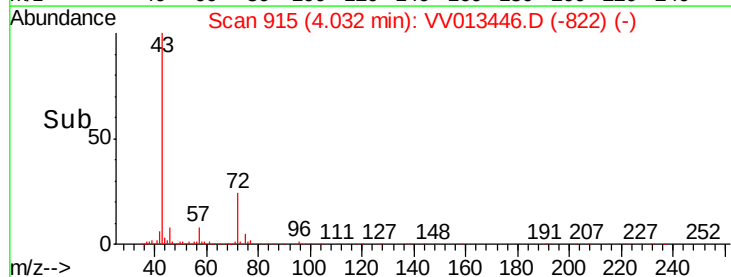
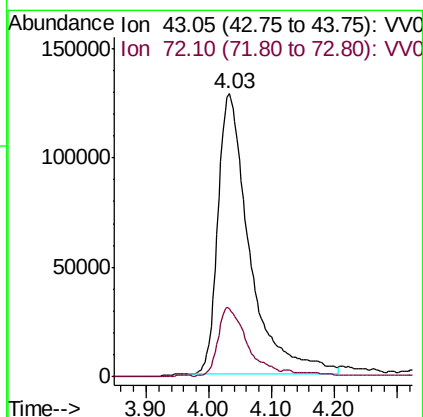
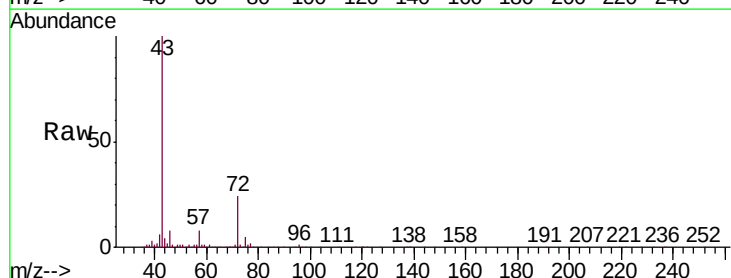
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00535

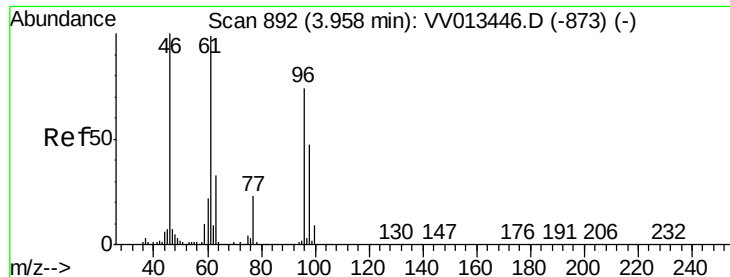
Tgt Ion: 63 Resp: 332228
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.5 41.7
 83 13.0 9.1 16.9



#21
 2-Butanone
 Concen: 52.814 ug/L
 RT: 4.03 min Scan# 915
 Delta R.T. 0.00 min
 Lab File: VV013446.D
 Acq: 31 Oct 2019 14:23

Tgt Ion: 43 Resp: 454116
 Ion Ratio Lower Upper
 43 100
 72 21.8 10.9 32.7



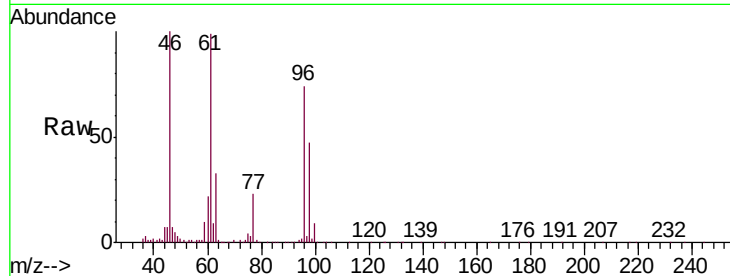


#22

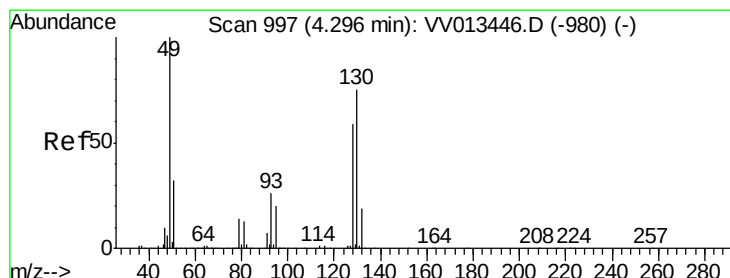
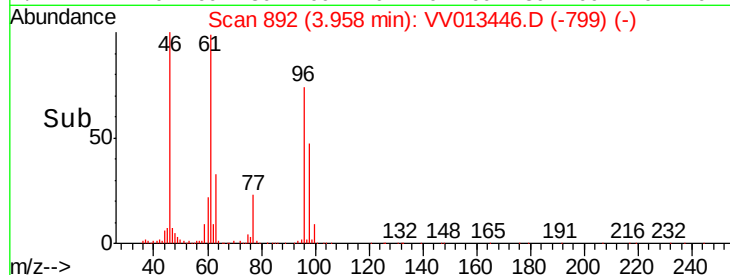
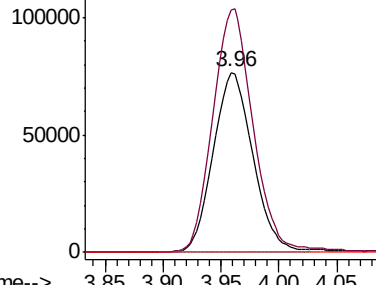
cis-1,2-Dichloroethene
 Concen: 4.971 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV013446.D
 Acq: 31 Oct 2019 14:23

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00535

Tgt Ion: 96 Resp: 183390
 Ion Ratio Lower Upper
 96 100
 61 134.6 94.2 175.0
 68 0.2 0.1 0.3



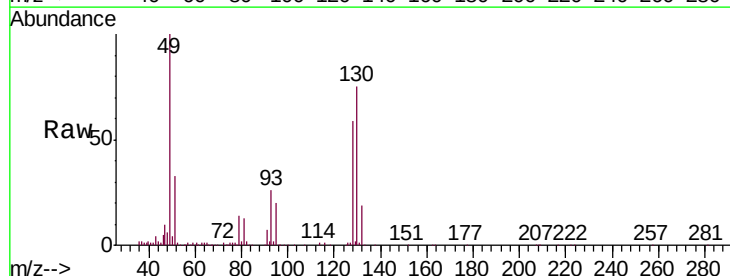
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



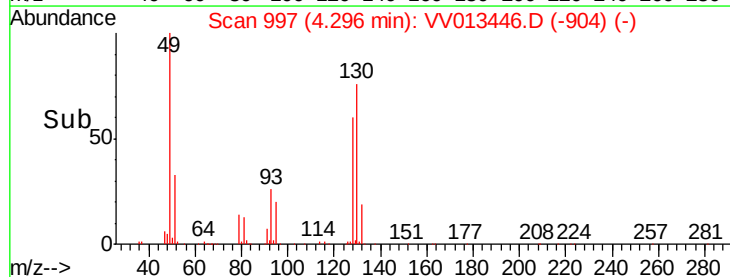
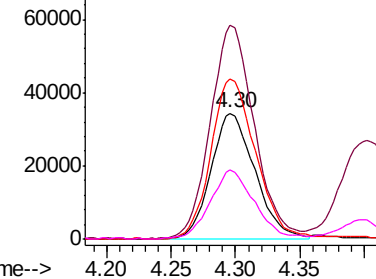
#23

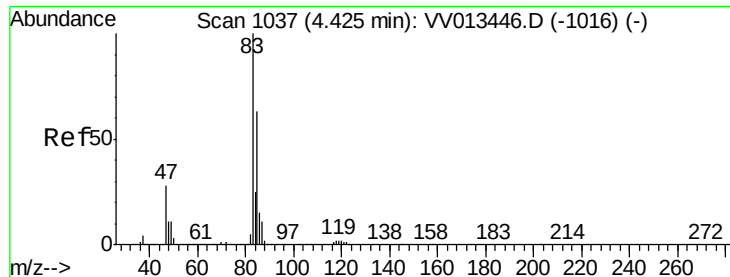
Bromochloromethane
 Concen: 4.885 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV013446.D
 Acq: 31 Oct 2019 14:23

Tgt Ion: 128 Resp: 81546
 Ion Ratio Lower Upper
 128 100
 49 169.7 118.8 220.6
 130 127.2 89.0 165.4
 51 55.2 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: 4.779 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV013446.D

Acq: 31 Oct 2019 14:23

Instrument :

MSVOA_V

ClientSampleId :

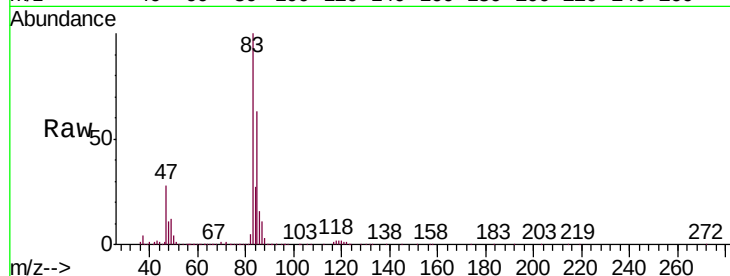
VSTD00535

Tgt Ion: 83 Resp: 339903

Ion Ratio Lower Upper

83 100

85 63.0 44.1 81.9



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

4.42

150000

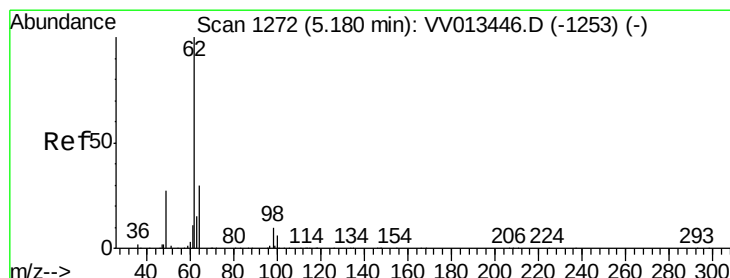
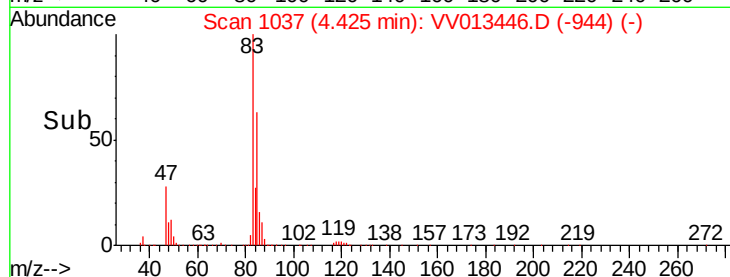
100000

50000

0

Time-->

4.30 4.40 4.50 4.60



#27

1,2-Dichloroethane

Concen: 5.031 ug/L

RT: 5.18 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VV013446.D

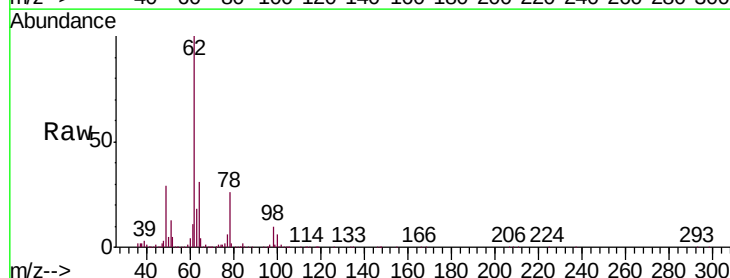
Acq: 31 Oct 2019 14:23

Tgt Ion: 62 Resp: 197578

Ion Ratio Lower Upper

62 100

98 9.6 7.7 11.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0

5.18

100000

80000

60000

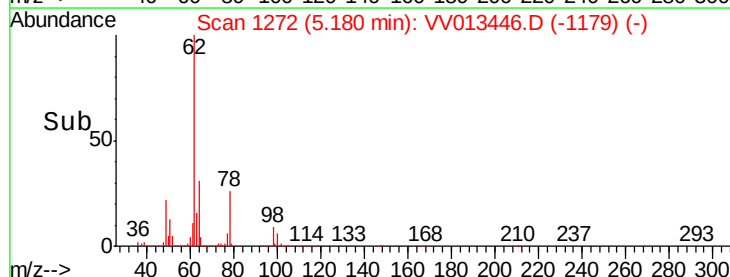
40000

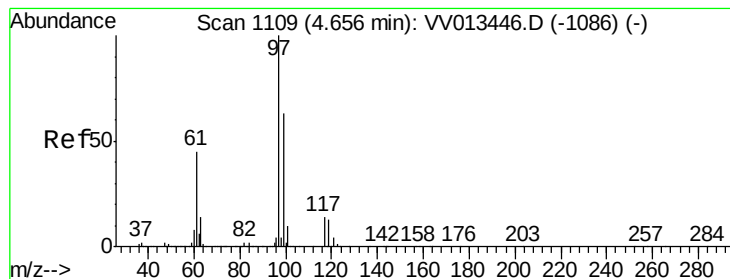
20000

0

Time-->

5.10 5.15 5.20 5.25





#29

1,1,1-Trichloroethane

Concen: 5.031 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV013446.D

Acq: 31 Oct 2019 14:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD00535

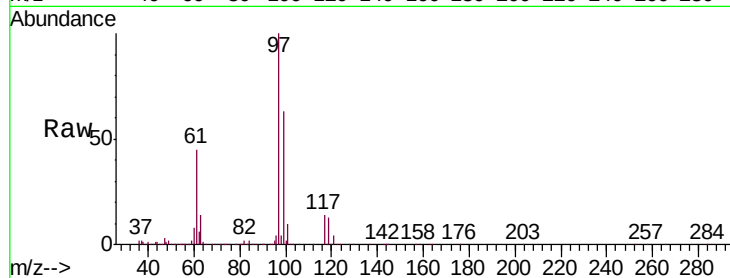
Tgt Ion: 97 Resp: 278288

Ion Ratio Lower Upper

97 100

99 64.4 51.5 77.3

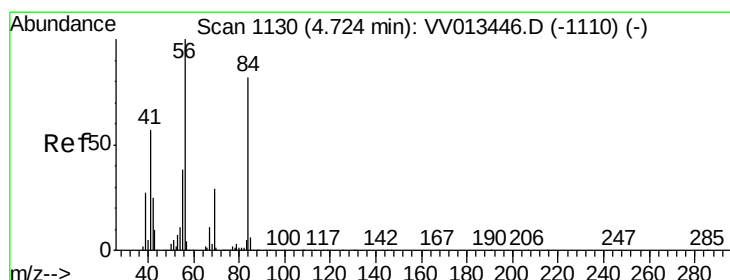
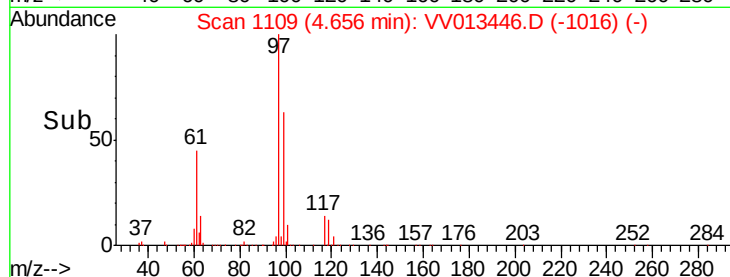
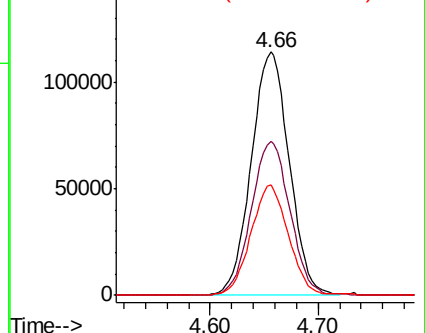
61 44.8 35.8 53.8



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: 5.234 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV013446.D

Acq: 31 Oct 2019 14:23

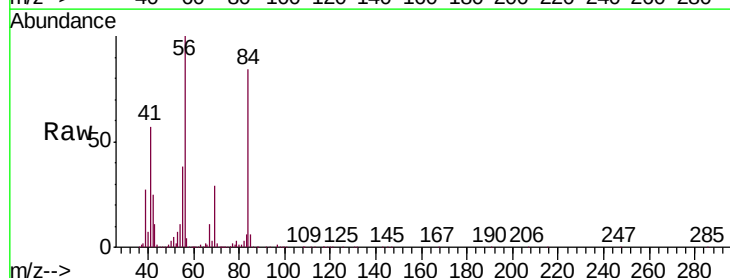
Tgt Ion: 56 Resp: 305783

Ion Ratio Lower Upper

56 100

69 28.8 23.0 34.6

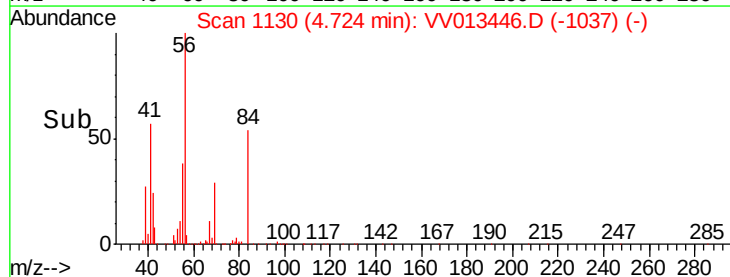
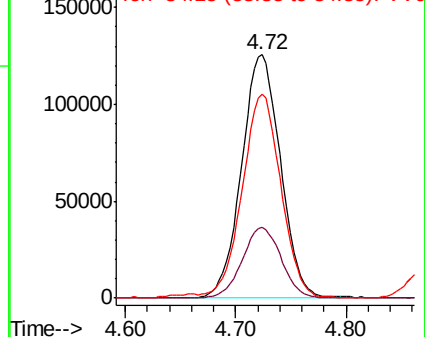
84 83.3 66.6 100.0

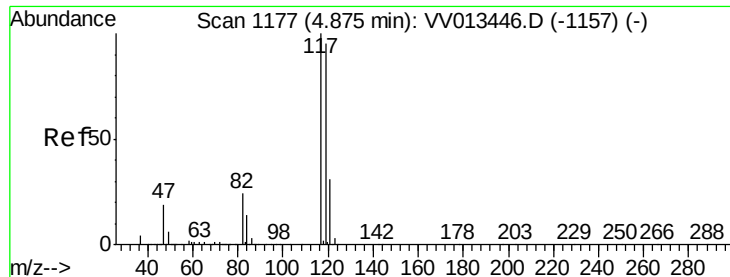


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 4.997 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV013446.D

Acq: 31 Oct 2019 14:23

Instrument :

MSVOA_V

ClientSampleId :

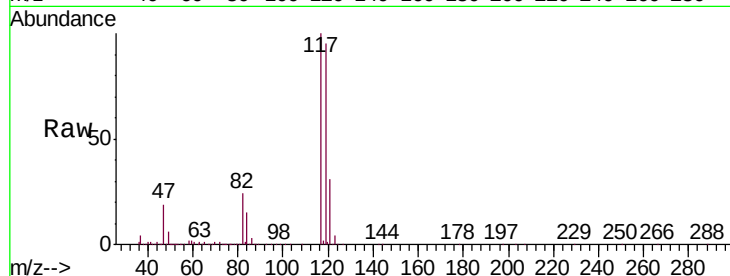
VSTD00535

Tgt Ion:117 Resp: 250791

Ion Ratio Lower Upper

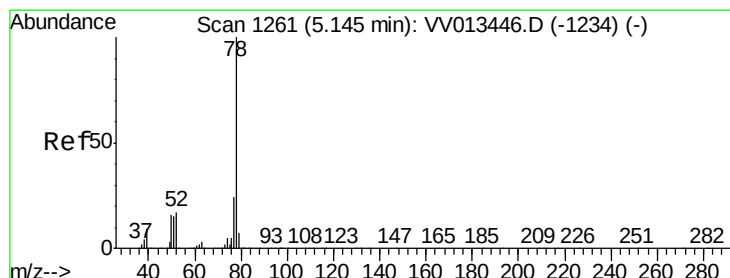
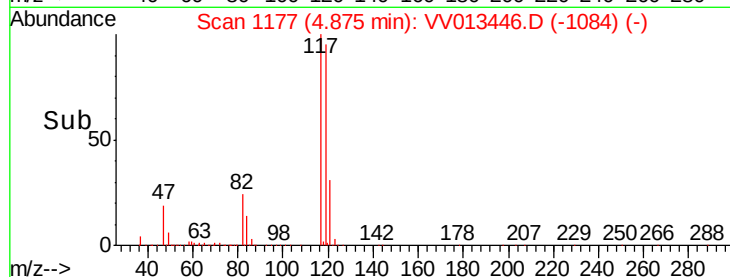
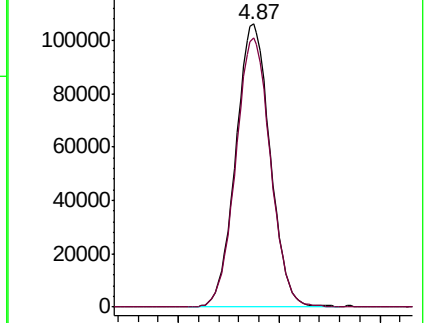
117 100

119 96.0 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: 5.186 ug/L

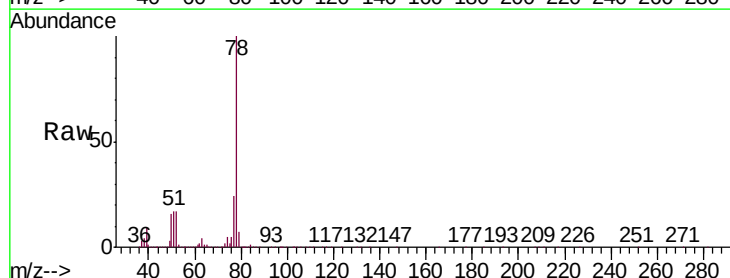
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

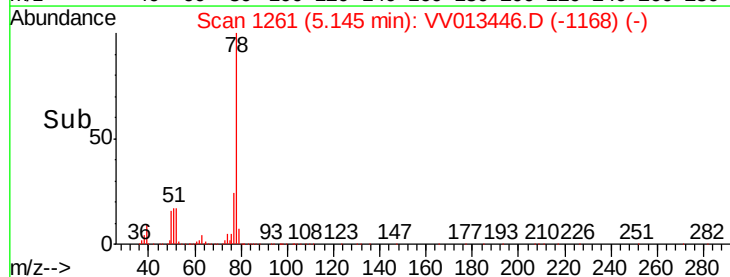
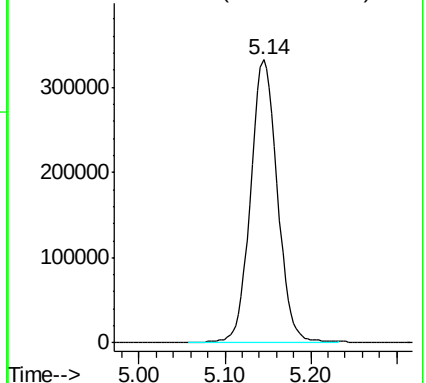
Lab File: VV013446.D

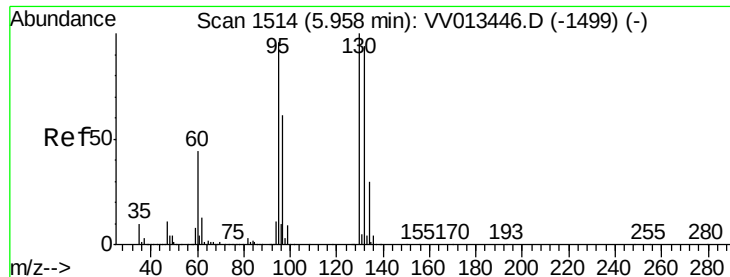
Acq: 31 Oct 2019 14:23

Tgt Ion: 78 Resp: 722316



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.987 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013446.D

Acq: 31 Oct 2019 14:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD00535

Tgt Ion: 95 Resp: 191546

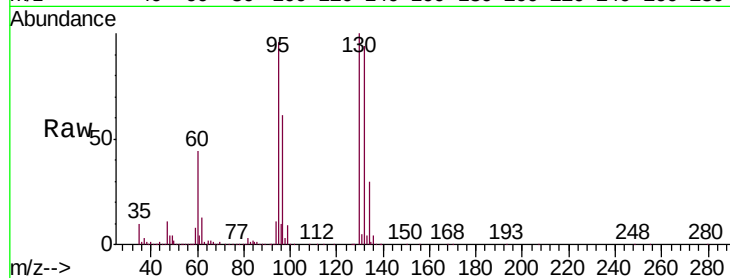
Ion Ratio Lower Upper

95 100

97 63.2 44.2 82.2

132 97.7 68.4 127.0

130 104.2 72.9 135.5

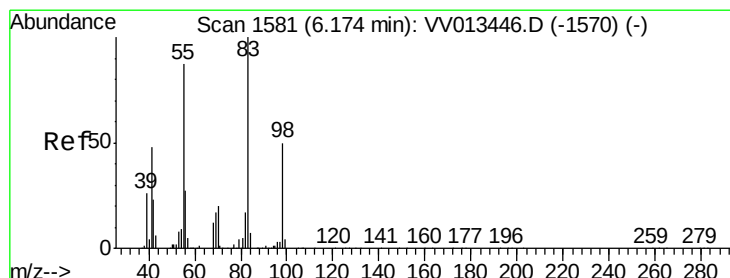
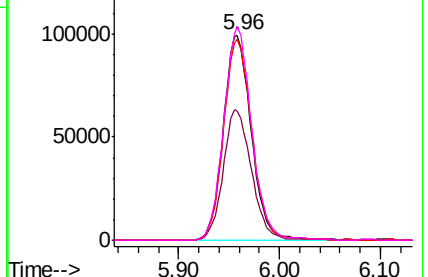
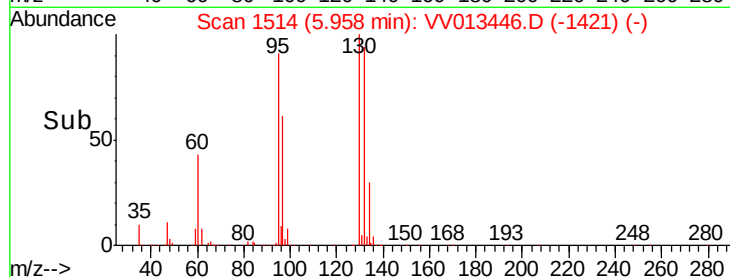


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 5.182 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV013446.D

Acq: 31 Oct 2019 14:23

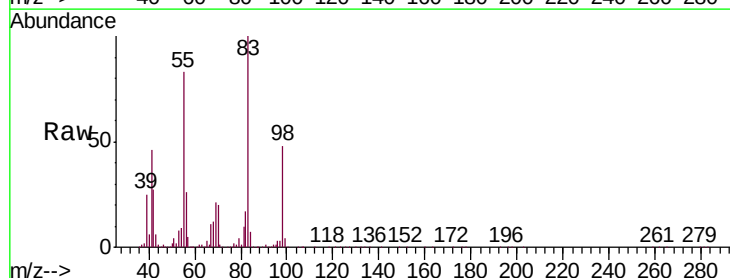
Tgt Ion: 83 Resp: 296181

Ion Ratio Lower Upper

83 100

55 80.7 64.6 96.8

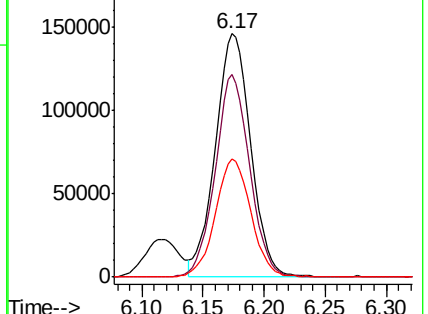
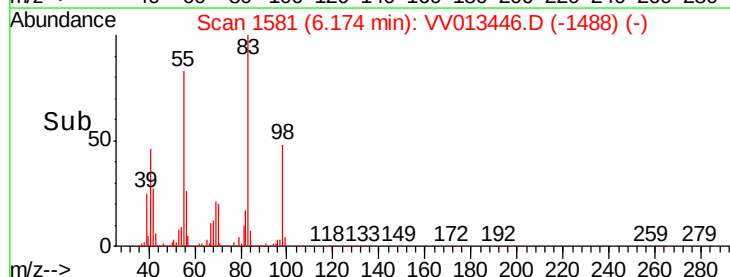
98 48.9 39.1 58.7

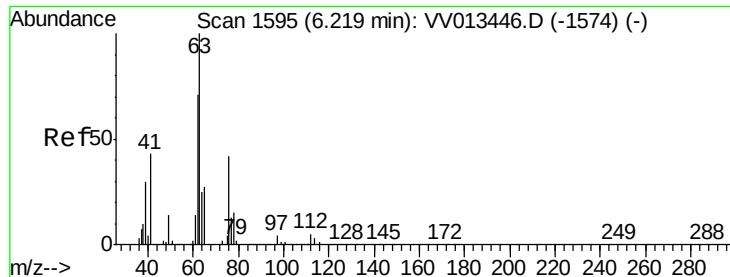


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

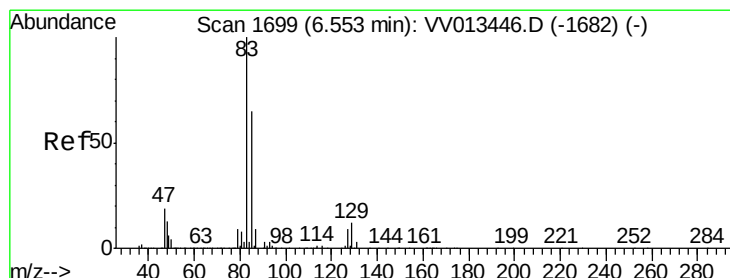
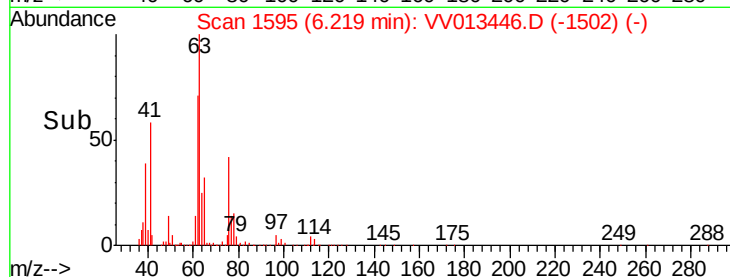
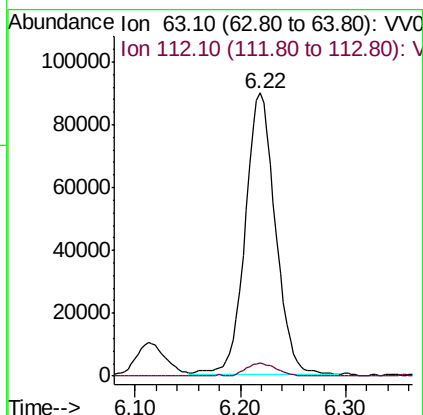
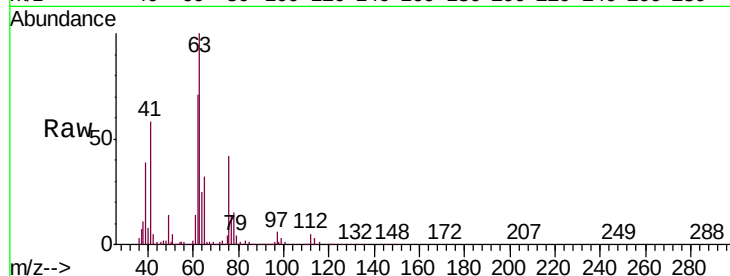




#37
 1,2-Dichloropropane
 Concen: 5.069 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV013446.D
 Acq: 31 Oct 2019 14:23

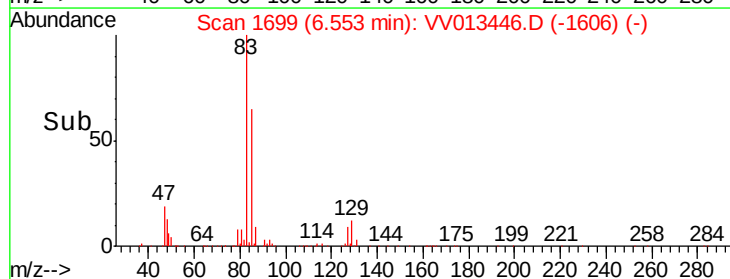
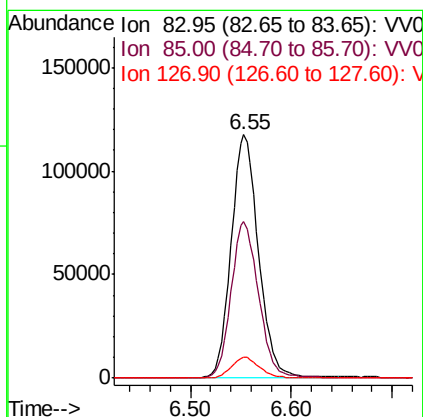
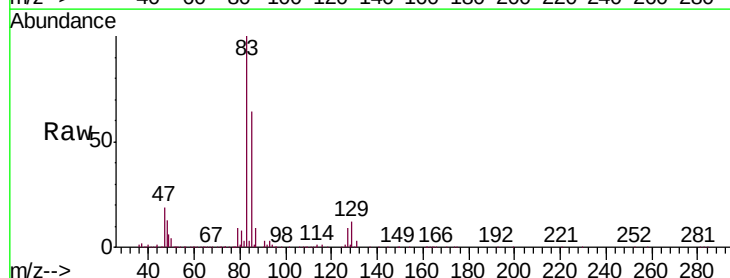
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00535

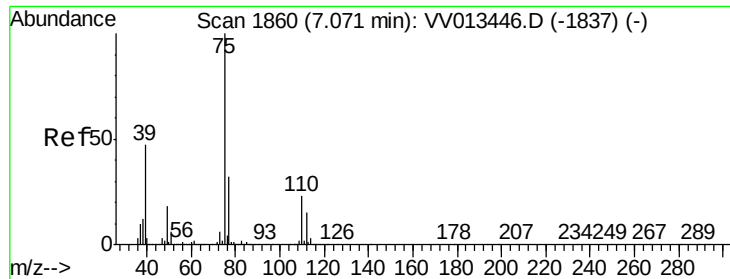
Tgt Ion: 63 Resp: 178369
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.8 5.8



#38
 Bromodichloromethane
 Concen: 4.996 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV013446.D
 Acq: 31 Oct 2019 14:23

Tgt Ion: 83 Resp: 221914
 Ion Ratio Lower Upper
 83 100
 85 64.5 45.1 83.9
 127 8.7 7.0 10.4



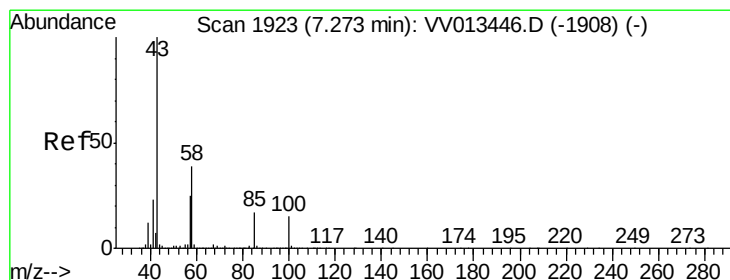
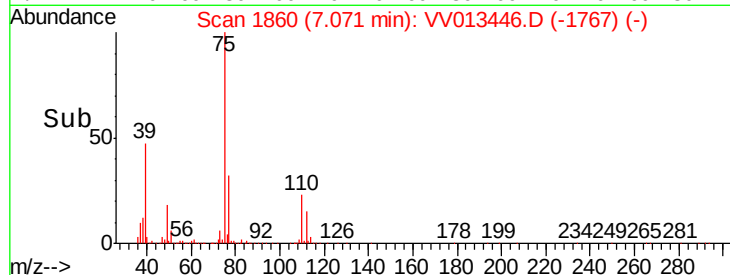
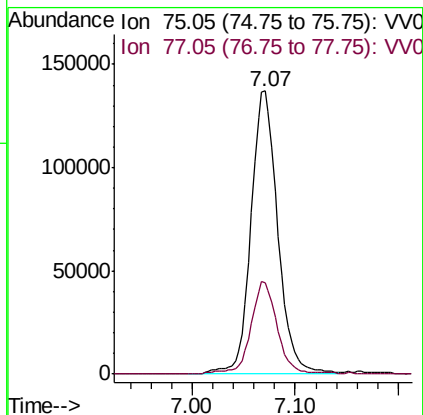
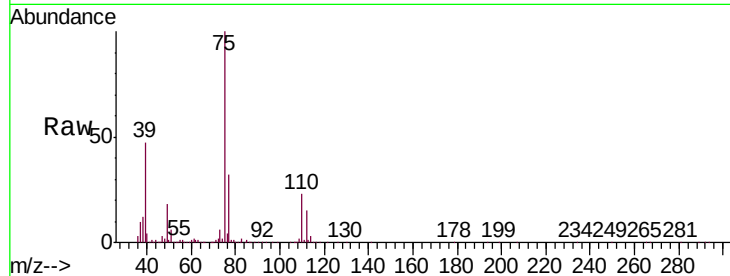


#39

cis-1,3-Dichloropropene
 Concen: 5.174 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV013446.D
 Acq: 31 Oct 2019 14:23

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00535

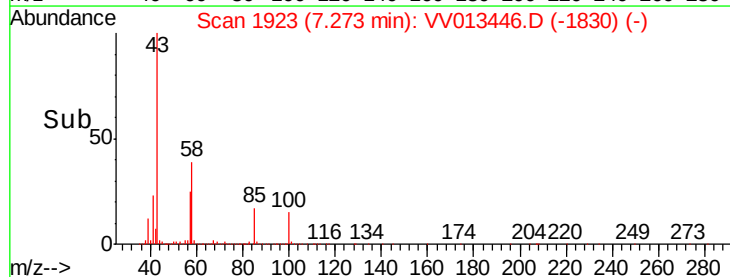
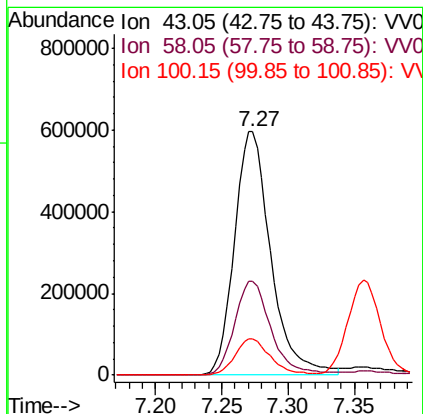
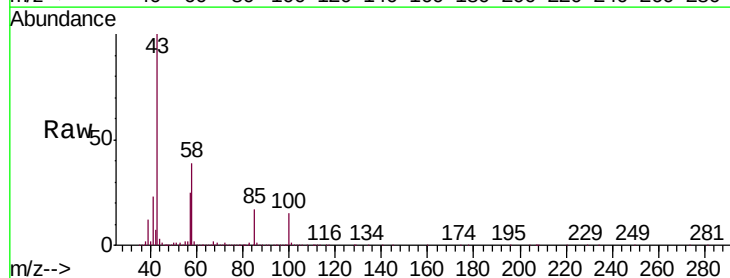
Tgt Ion: 75 Resp: 247581
 Ion Ratio Lower Upper
 75 100
 77 32.4 22.7 42.1

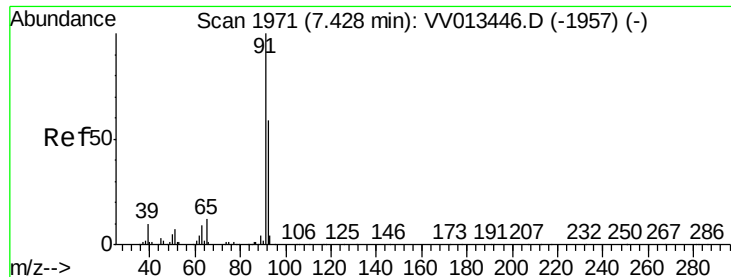


#40

4-Methyl-2-pentanone
 Concen: 56.313 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV013446.D
 Acq: 31 Oct 2019 14:23

Tgt Ion: 43 Resp: 1135306
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.9 46.3
 100 14.6 11.7 17.5





#42

Toluene

Concen: 5.170 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013446.D

Acq: 31 Oct 2019 14:23

Instrument :

MSVOA_V

ClientSampleId :

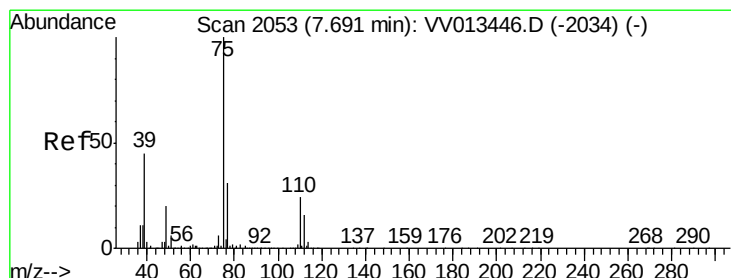
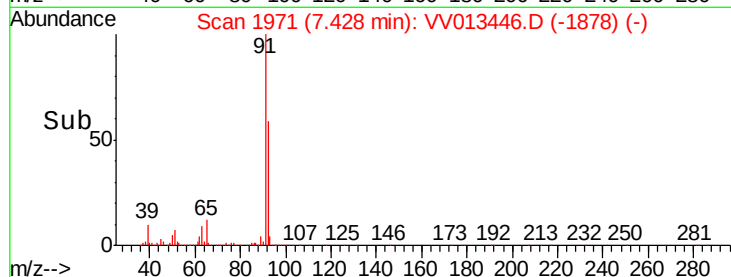
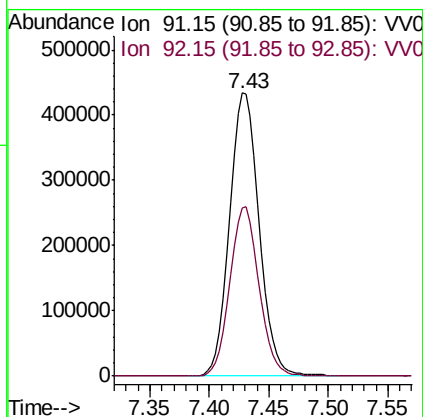
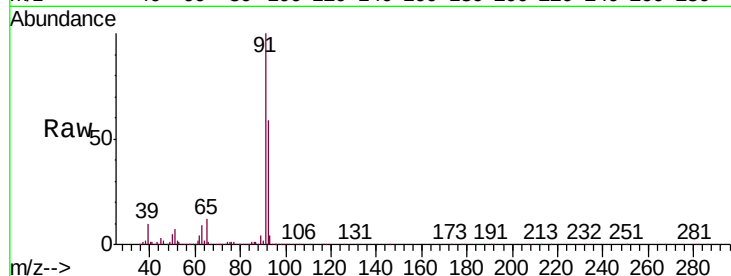
VSTD00535

Tgt Ion: 91 Resp: 748311

Ion Ratio Lower Upper

91 100

92 59.3 41.5 77.1



#44

trans-1,3-Dichloropropene

Concen: 5.234 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV013446.D

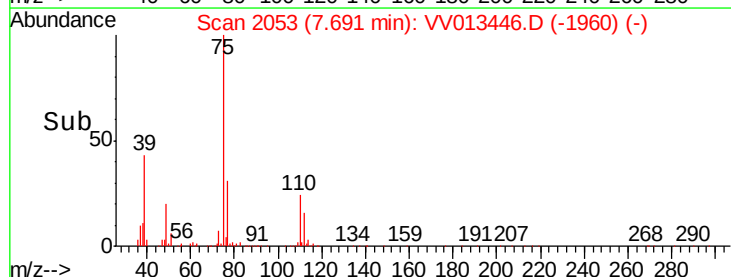
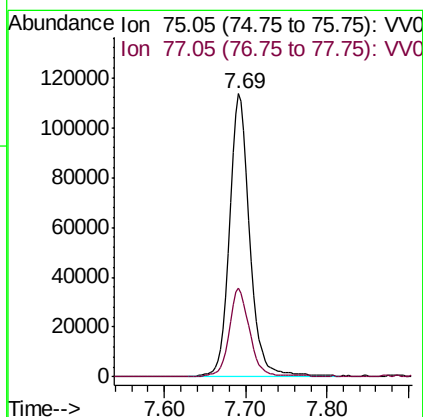
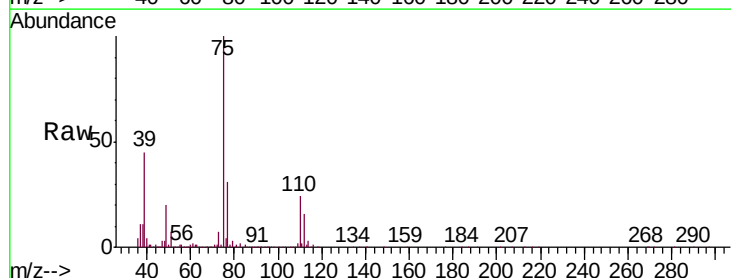
Acq: 31 Oct 2019 14:23

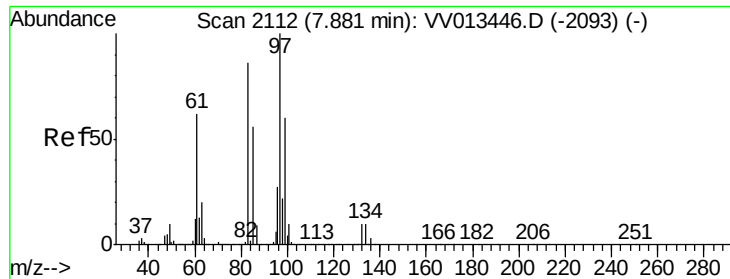
Tgt Ion: 75 Resp: 199144

Ion Ratio Lower Upper

75 100

77 31.3 21.9 40.7

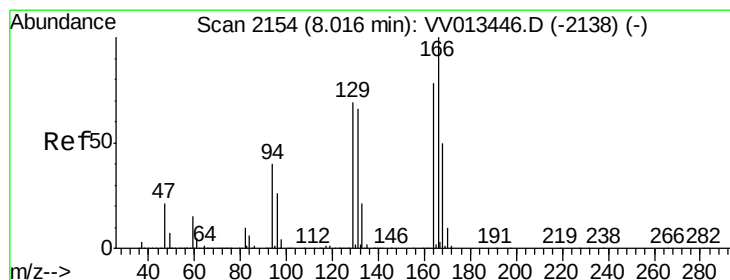
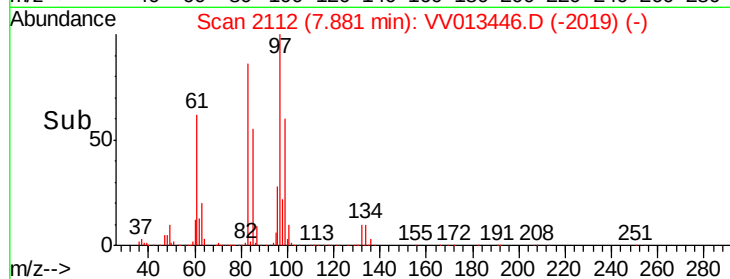
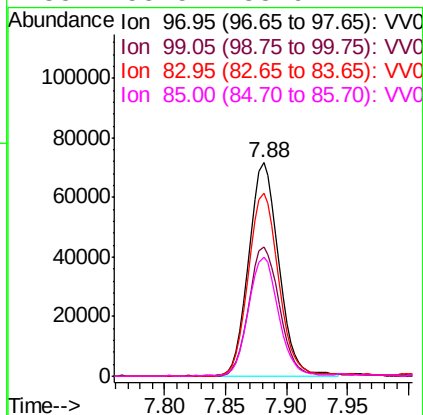
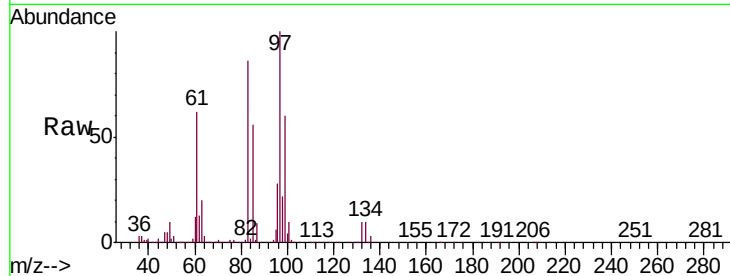




#45
 1,1,2-Trichloroethane
 Concen: 5.152 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV013446.D
 Acq: 31 Oct 2019 14:23

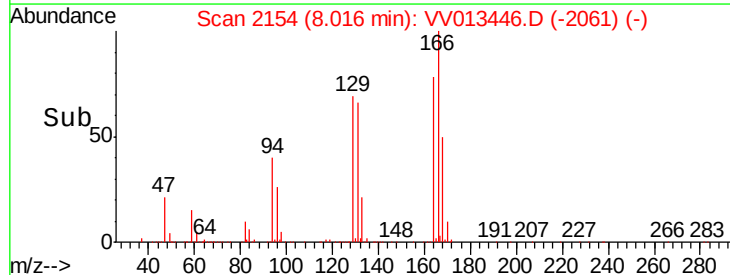
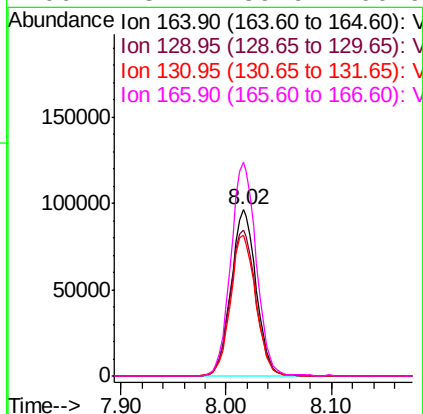
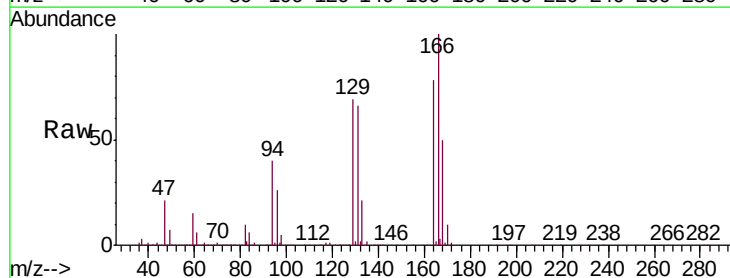
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00535

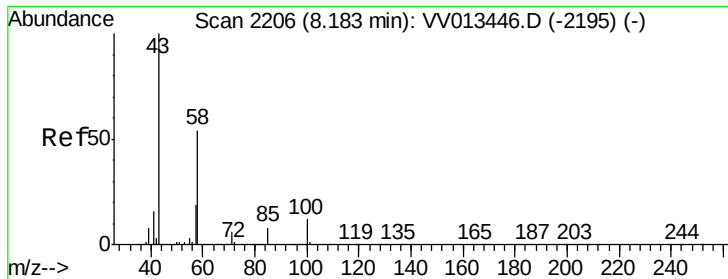
Tgt Ion:	97	Resp:	121798
Ion	Ratio	Lower	Upper
97	100		
99	60.4	42.3	78.5
83	85.7	60.0	111.4
85	55.5	38.9	72.2



#47
 Tetrachloroethene
 Concen: 4.893 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV013446.D
 Acq: 31 Oct 2019 14:23

Tgt Ion:	164	Resp:	158343
Ion	Ratio	Lower	Upper
164	100		
129	88.1	61.7	114.5
131	84.8	59.4	110.2
166	128.4	89.9	166.9

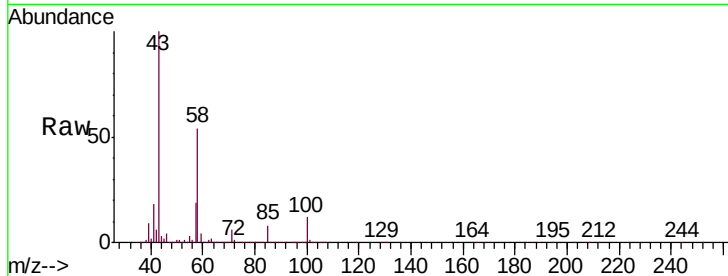




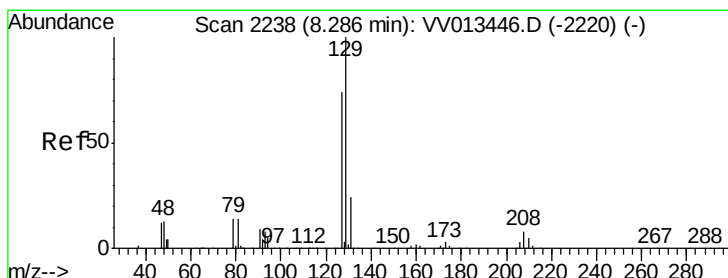
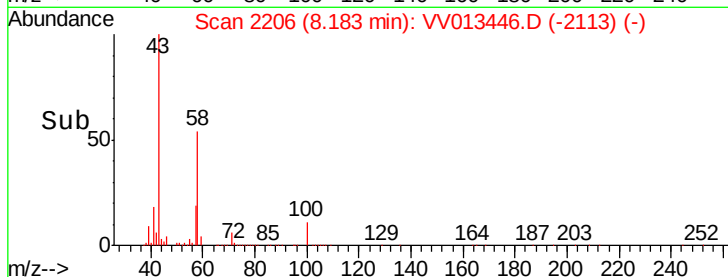
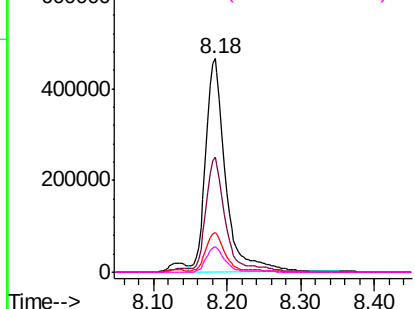
#48
2-Hexanone
Concen: 60.970 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV013446.D
Acq: 31 Oct 2019 14:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD00535

Tgt Ion: 43 Resp: 884418
Ion Ratio Lower Upper
43 100
58 52.8 42.2 63.4
57 18.6 14.9 22.3
100 11.3 9.0 13.6

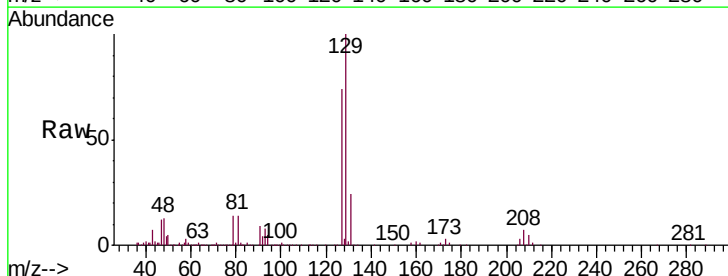


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

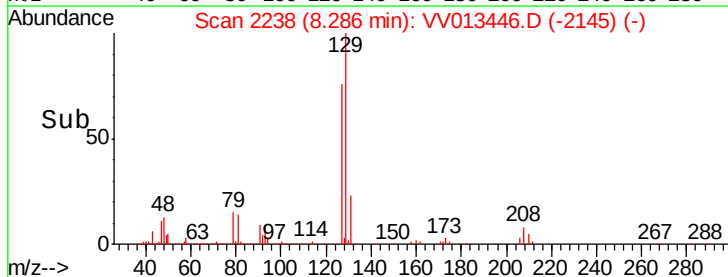
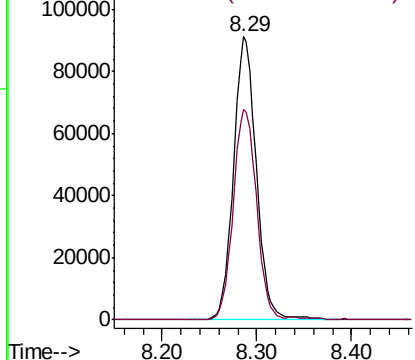


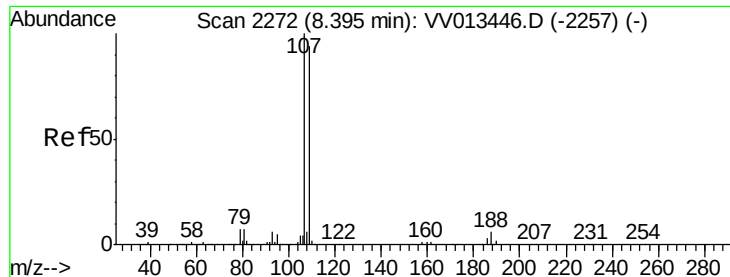
#49
Dibromochloromethane
Concen: 5.202 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013446.D
Acq: 31 Oct 2019 14:23

Tgt Ion: 129 Resp: 153050
Ion Ratio Lower Upper
129 100
127 74.4 52.1 96.7



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

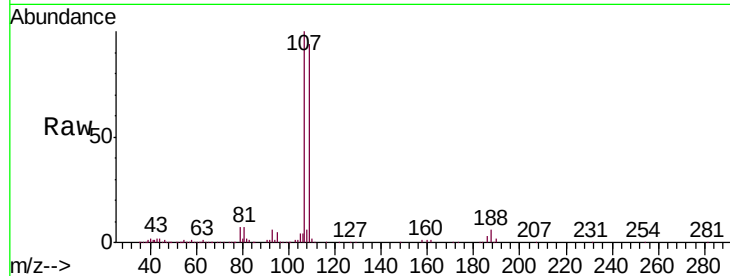




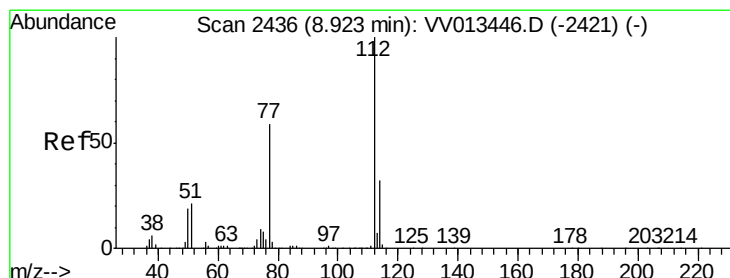
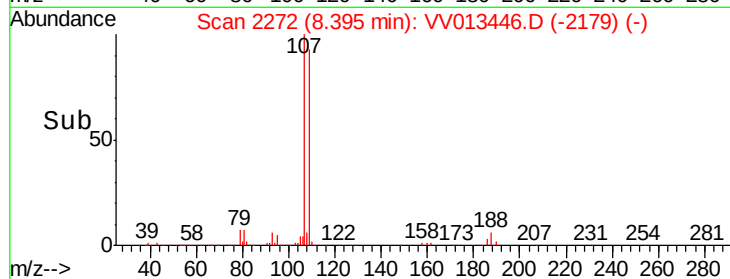
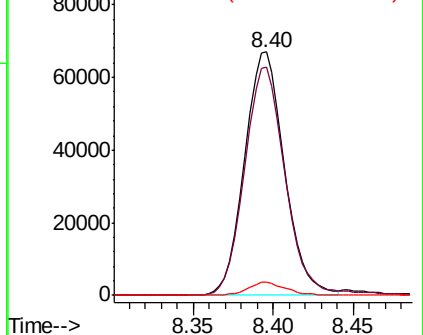
#50
1,2-Dibromoethane
Concen: 5.237 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV013446.D
Acq: 31 Oct 2019 14:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD00535

Tgt Ion:107 Resp: 114128
Ion Ratio Lower Upper
107 100
109 93.6 65.5 121.7
188 5.6 4.5 6.7

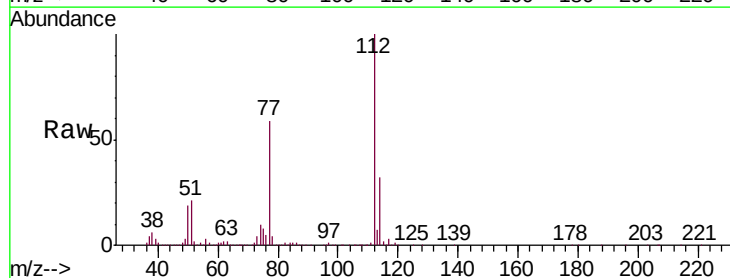


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

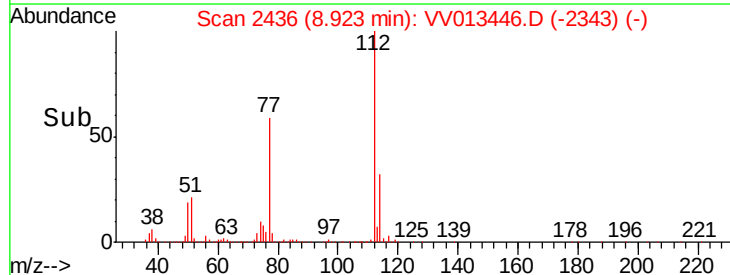
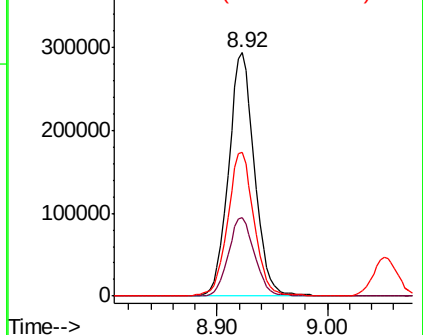


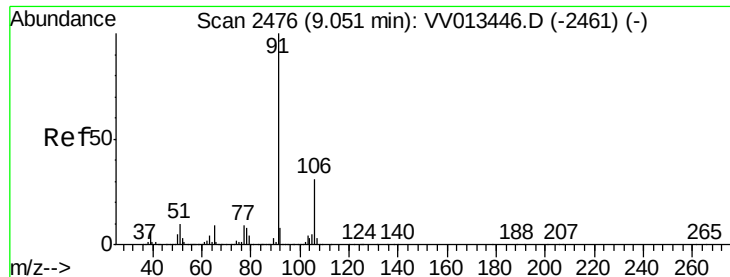
#51
Chlorobenzene
Concen: 5.079 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV013446.D
Acq: 31 Oct 2019 14:23

Tgt Ion:112 Resp: 476481
Ion Ratio Lower Upper
112 100
114 32.1 22.5 41.7
77 59.1 47.3 70.9



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.219 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013446.D

Acq: 31 Oct 2019 14:23

Instrument :

MSVOA_V

ClientSampleId :

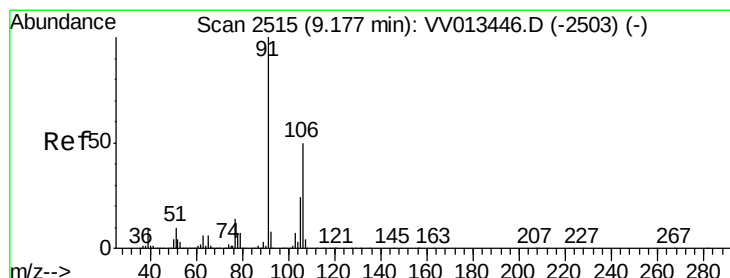
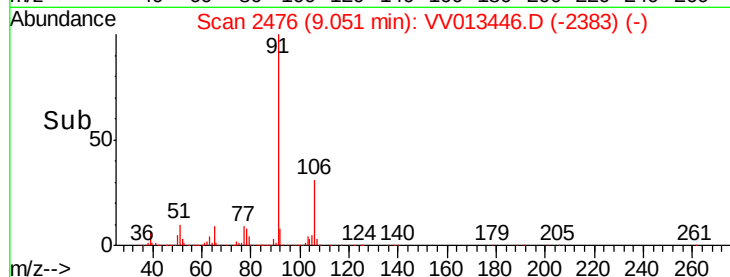
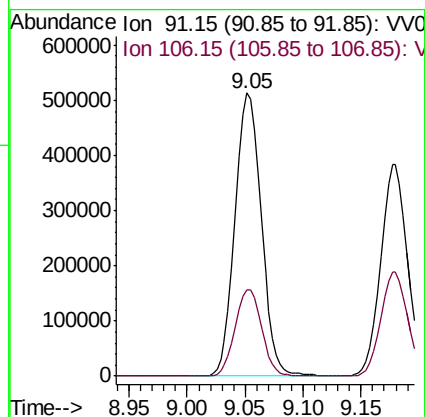
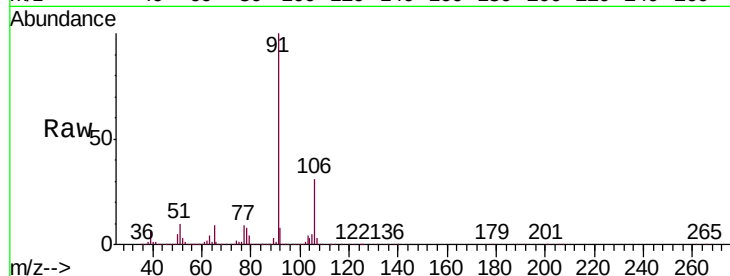
VSTD00535

Tgt Ion: 91 Resp: 804603

Ion Ratio Lower Upper

91 100

106 30.7 21.5 39.9



#53

m,p-xylene

Concen: 5.411 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013446.D

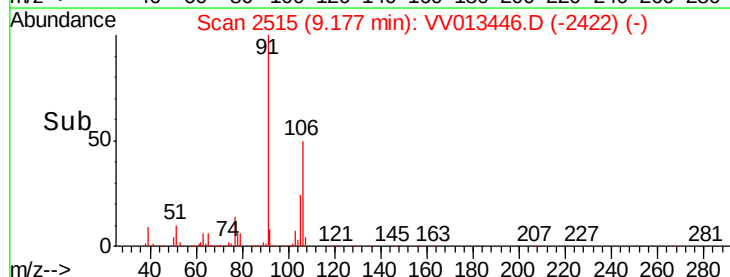
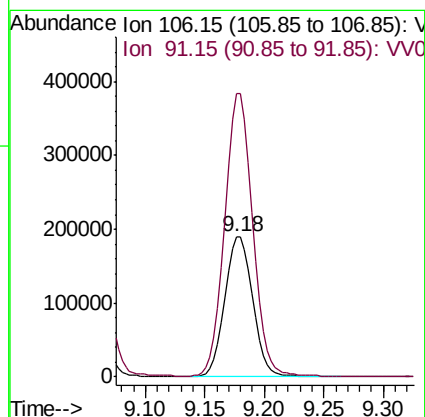
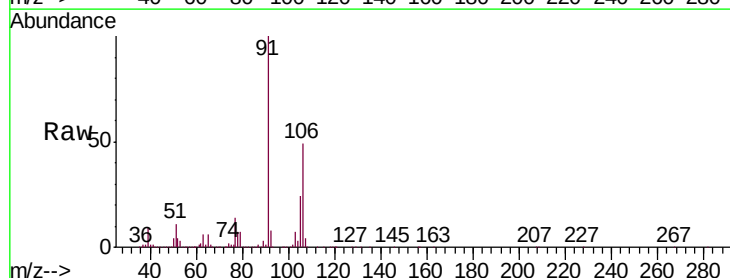
Acq: 31 Oct 2019 14:23

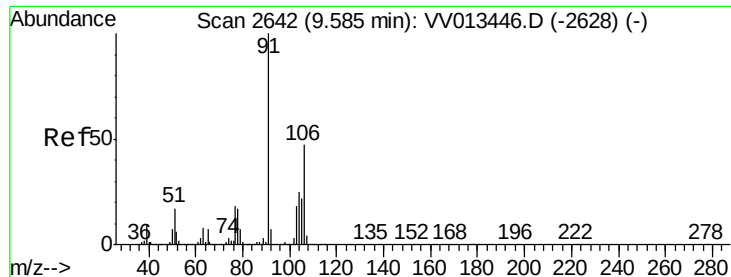
Tgt Ion: 106 Resp: 309304

Ion Ratio Lower Upper

106 100

91 202.1 141.5 262.7

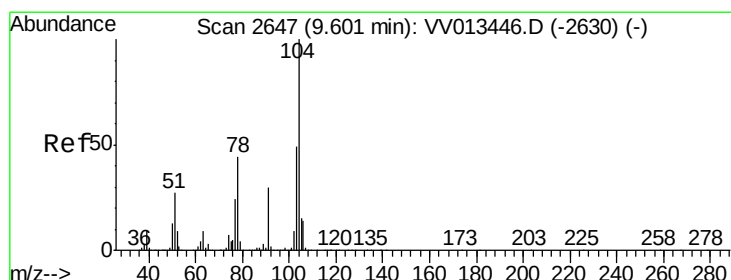
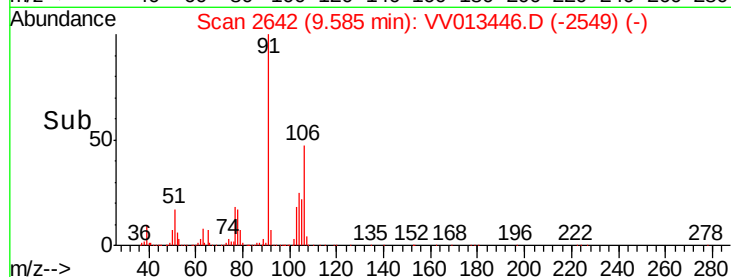
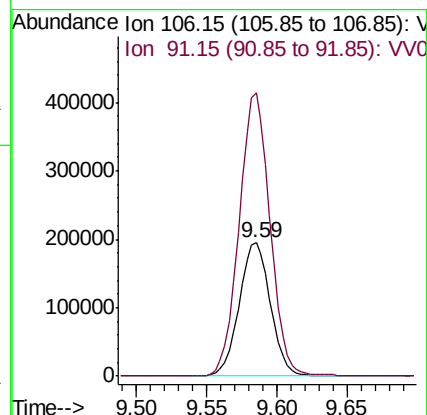
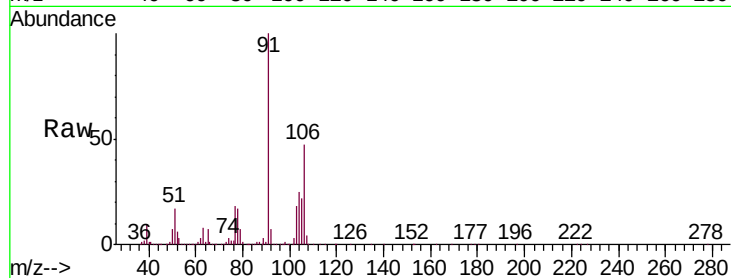




#54
o-xylene
Concen: 5.432 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV013446.D
Acq: 31 Oct 2019 14:23

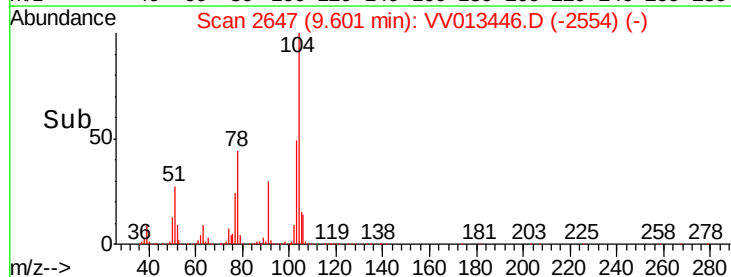
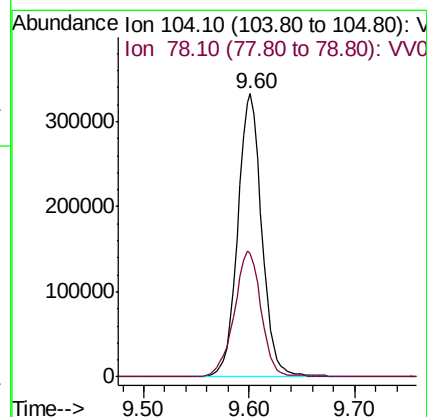
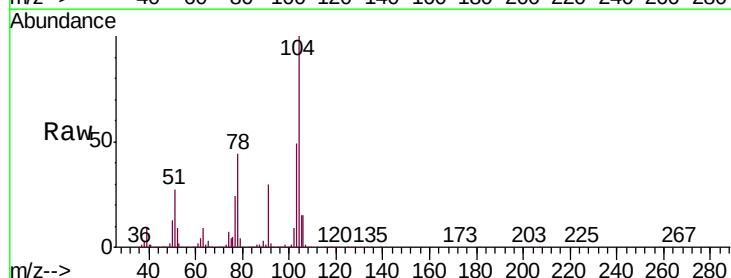
Instrument :
MSVOA_V
ClientSampleId :
VSTD00535

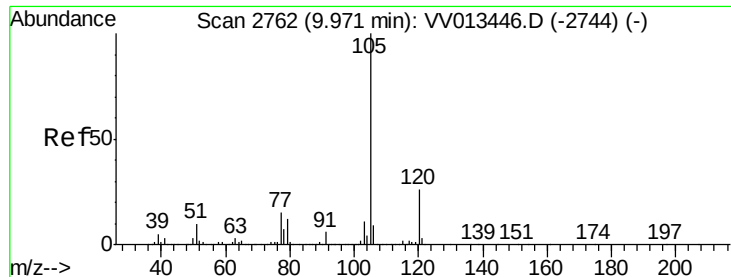
Tgt Ion:106 Resp: 301994
Ion Ratio Lower Upper
106 100
91 211.9 148.3 275.5



#55
Styrene
Concen: 5.628 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV013446.D
Acq: 31 Oct 2019 14:23

Tgt Ion:104 Resp: 524544
Ion Ratio Lower Upper
104 100
78 43.7 30.6 56.8





#56

Isopropylbenzene

Concen: 5.414 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013446.D

Acq: 31 Oct 2019 14:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD00535

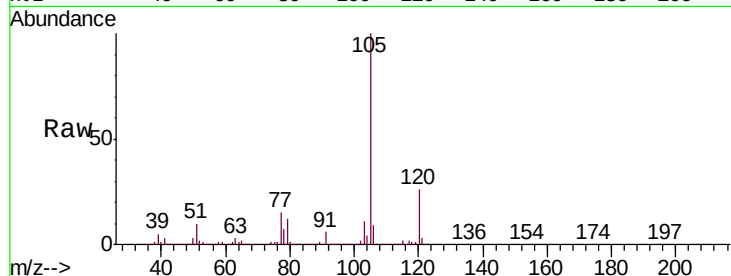
Tgt Ion: 105 Resp: 806092

Ion Ratio Lower Upper

105 100

120 26.4 21.1 31.7

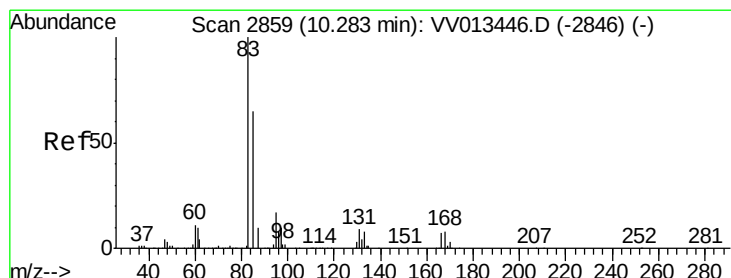
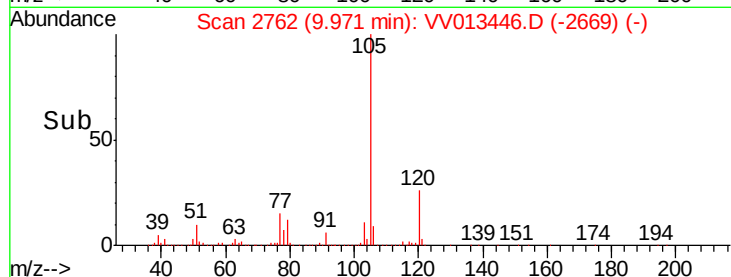
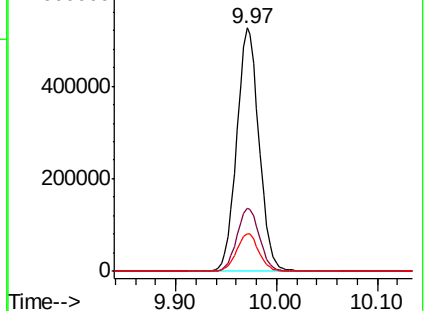
77 15.3 12.2 18.4



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: 5.633 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV013446.D

Acq: 31 Oct 2019 14:23

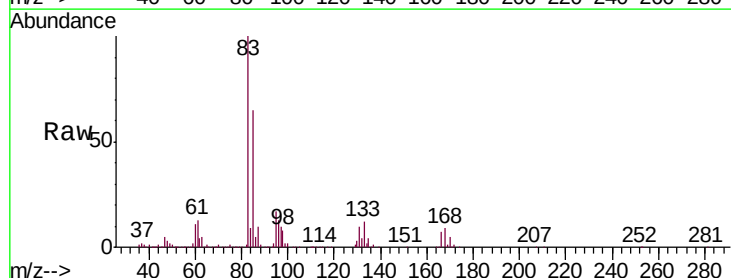
Tgt Ion: 83 Resp: 144351

Ion Ratio Lower Upper

83 100

85 65.4 45.8 85.0

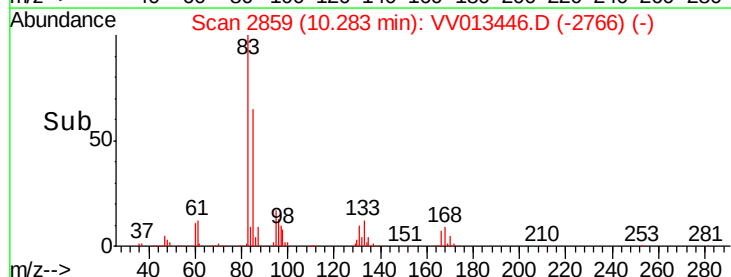
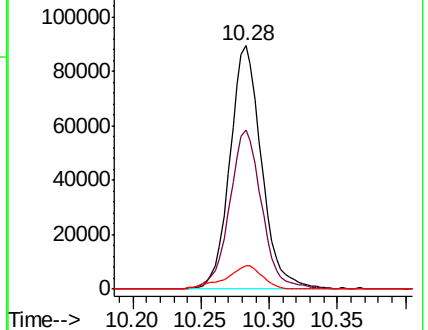
131 9.5 7.6 11.4

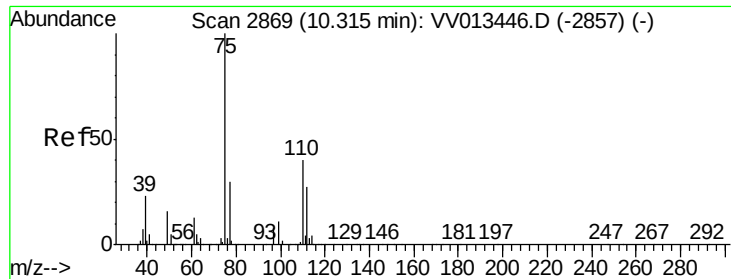


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.514 ug/L

RT: 10.31 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013446.D

Acq: 31 Oct 2019 14:23

Instrument :

MSVOA_V

ClientSampleId :

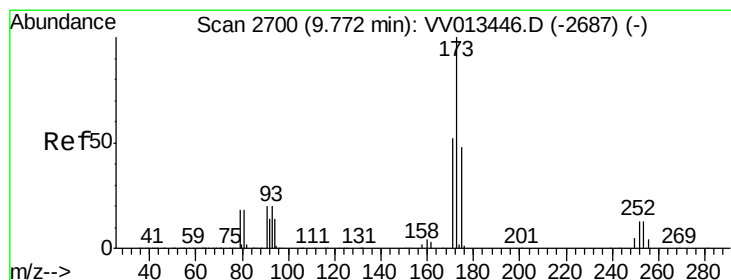
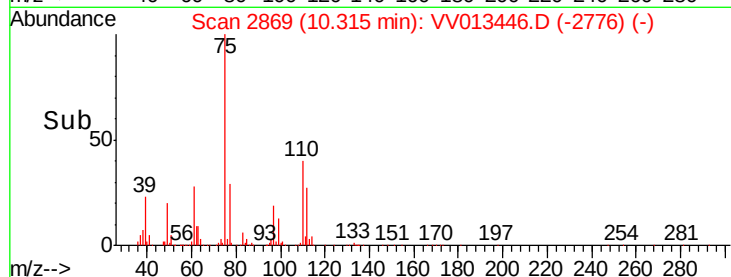
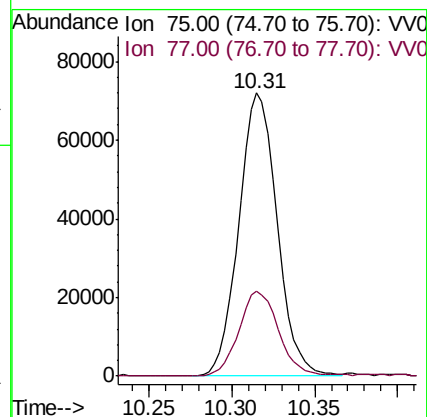
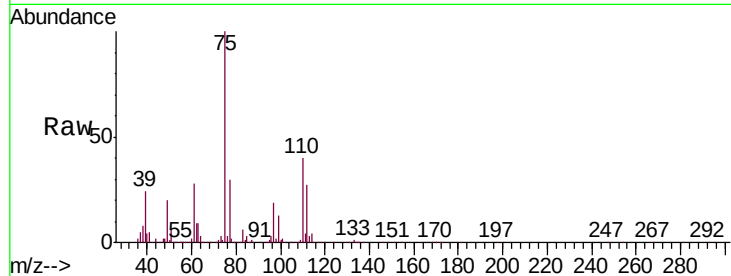
VSTD00535

Tgt Ion: 75 Resp: 115129

Ion Ratio Lower Upper

75 100

77 30.5 24.4 36.6



#61

Bromoform

Concen: 5.280 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV013446.D

Acq: 31 Oct 2019 14:23

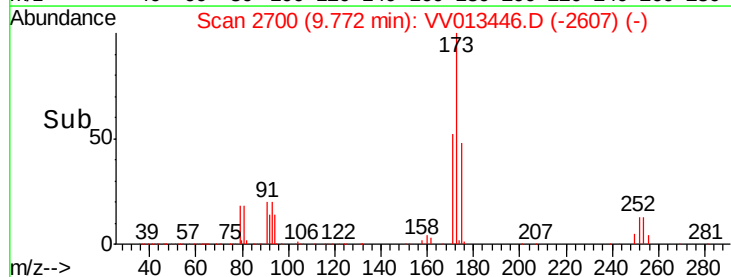
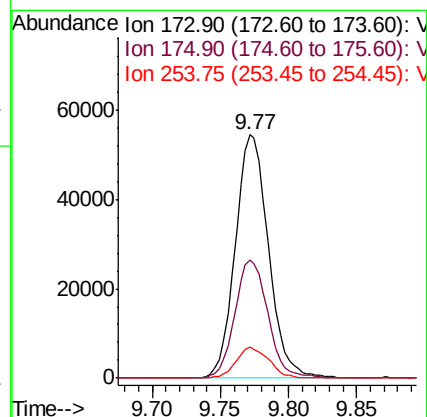
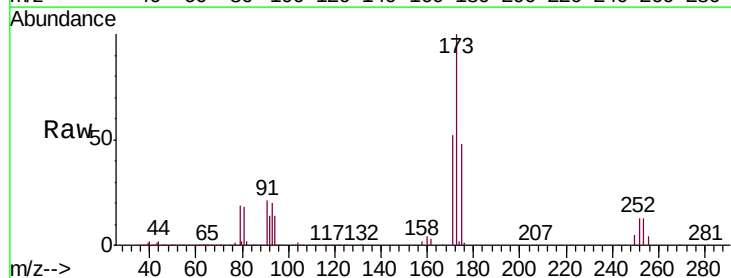
Tgt Ion: 173 Resp: 91959

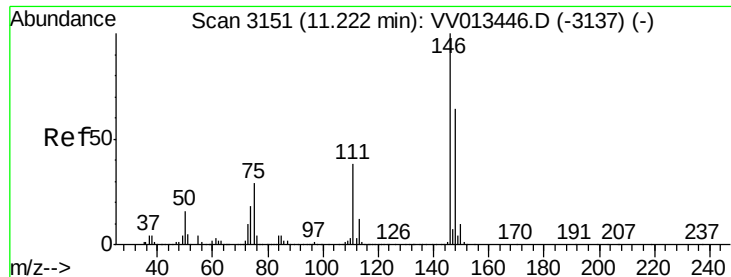
Ion Ratio Lower Upper

173 100

175 48.3 38.6 58.0

254 12.6 10.1 15.1





#62

1,3-Dichlorobenzene

Concen: 5.047 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV013446.D

Acq: 31 Oct 2019 14:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD00535

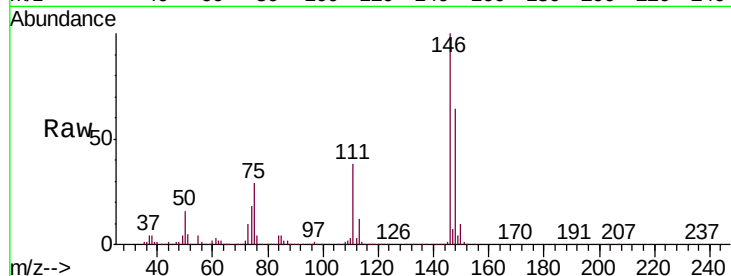
Tgt Ion:146 Resp: 394514

Ion Ratio Lower Upper

146 100

111 37.5 26.2 48.8

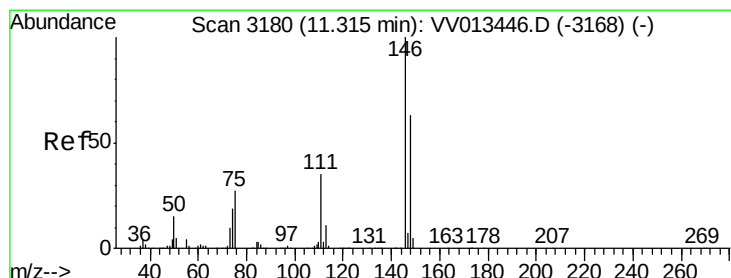
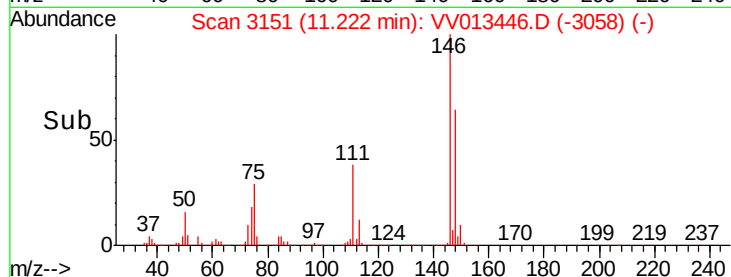
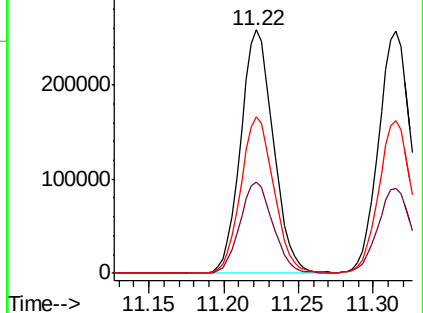
148 64.2 44.9 83.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.003 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV013446.D

Acq: 31 Oct 2019 14:23

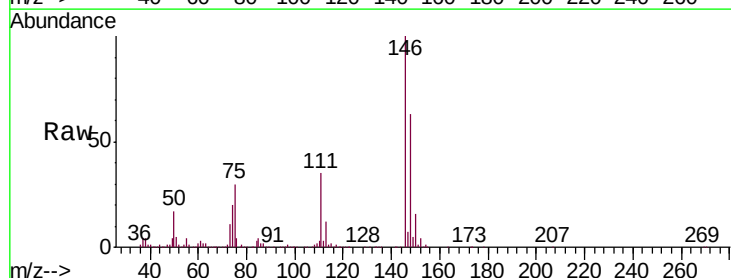
Tgt Ion:146 Resp: 393140

Ion Ratio Lower Upper

146 100

111 35.3 24.7 45.9

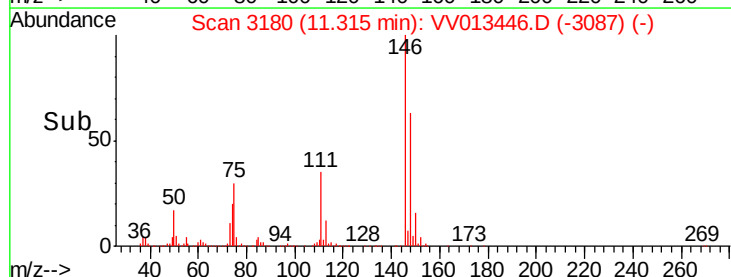
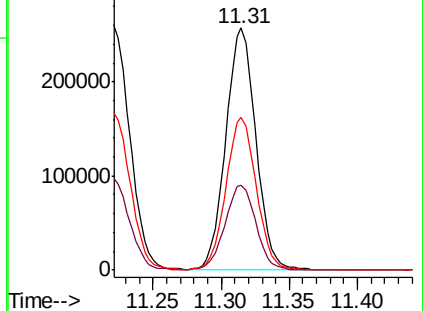
148 63.1 44.2 82.0

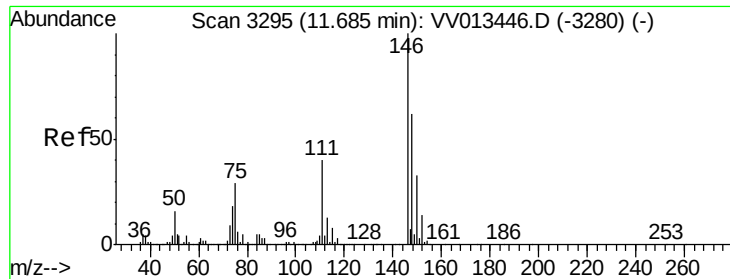


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

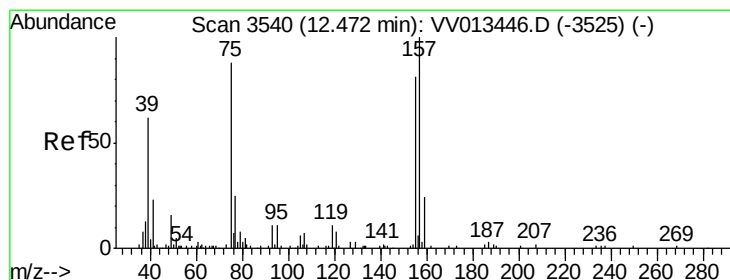
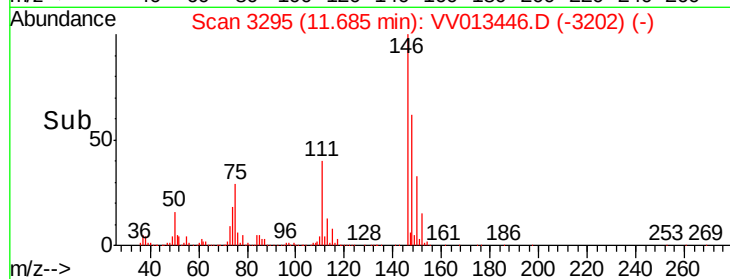
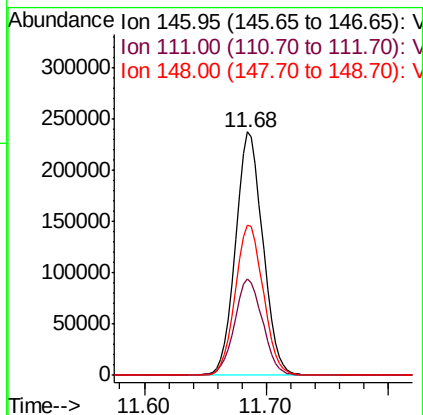
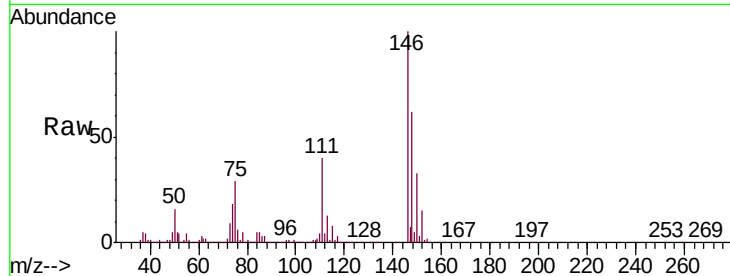




#65
 1,2-Dichlorobenzene
 Concen: 5.047 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV013446.D
 Acq: 31 Oct 2019 14:23

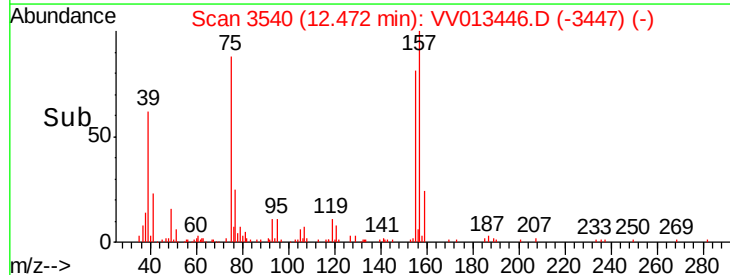
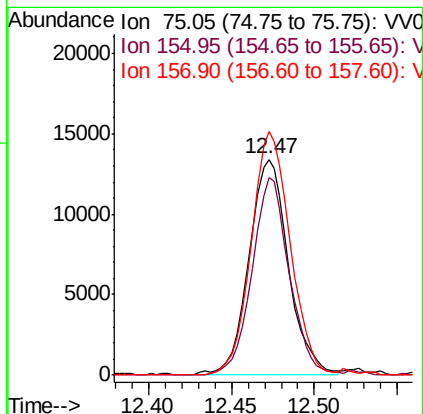
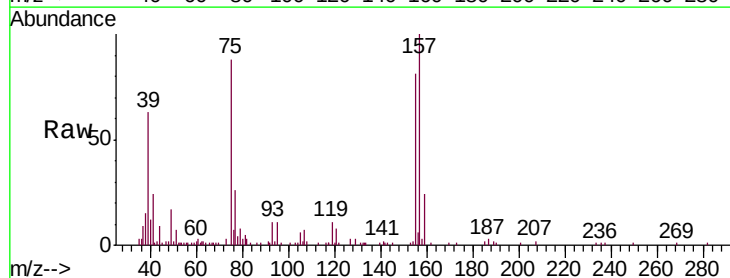
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00535

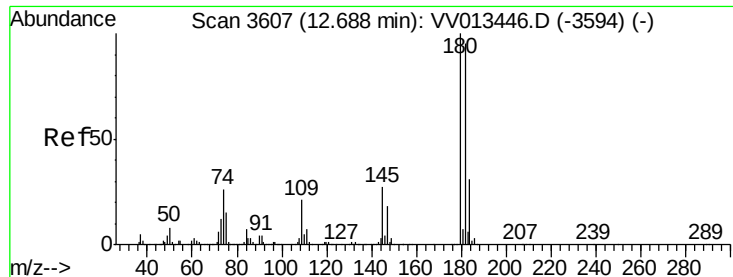
Tgt Ion: 146 Resp: 367219
 Ion Ratio Lower Upper
 146 100
 111 39.7 31.8 47.6
 148 61.9 49.5 74.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.869 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV013446.D
 Acq: 31 Oct 2019 14:23

Tgt Ion: 75 Resp: 22241
 Ion Ratio Lower Upper
 75 100
 155 91.9 73.5 110.3
 157 113.0 90.4 135.6

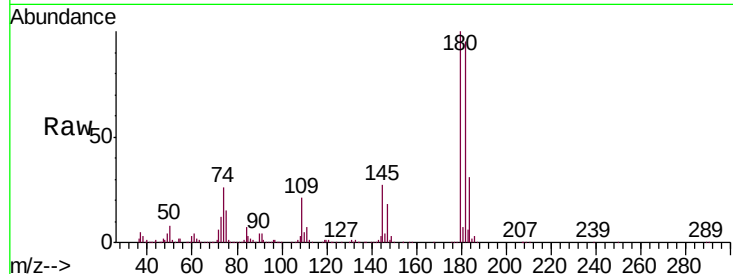




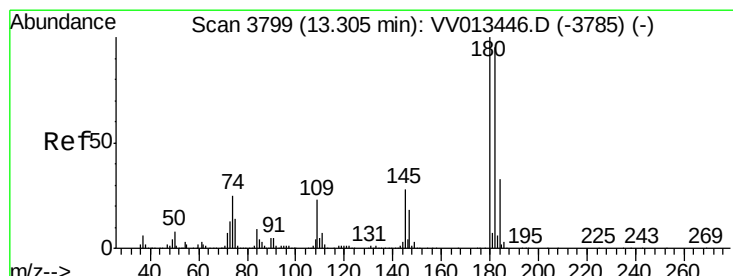
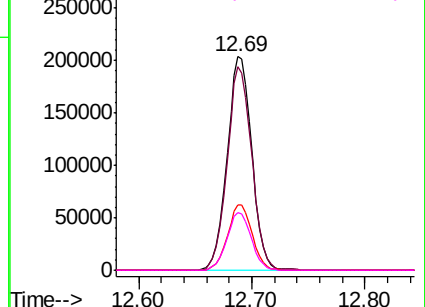
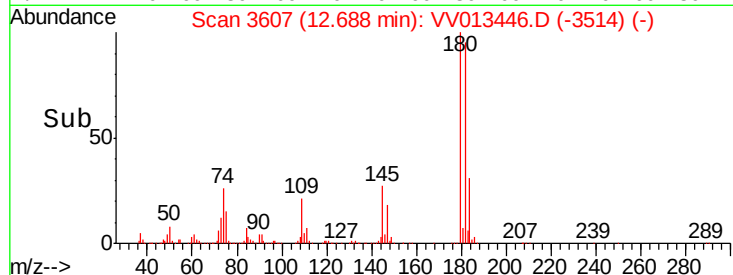
#67
 1,3,5-Trichlorobenzene
 Concen: 4.915 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013446.D
 Acq: 31 Oct 2019 14:23

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00535

Tgt Ion:	180	Resp:	307436
Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.1	114.1
184	30.6	24.5	36.7
145	26.8	21.4	32.2

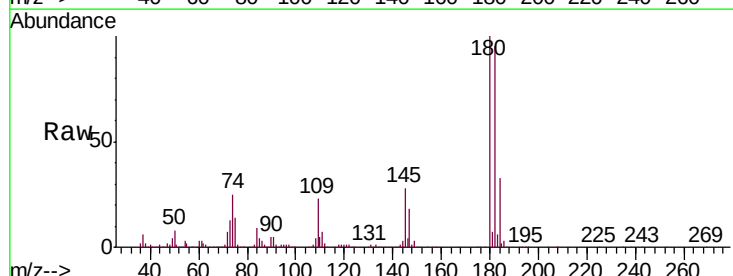


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

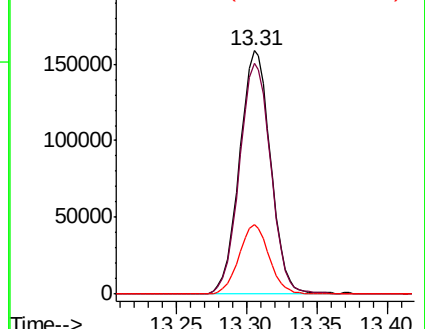
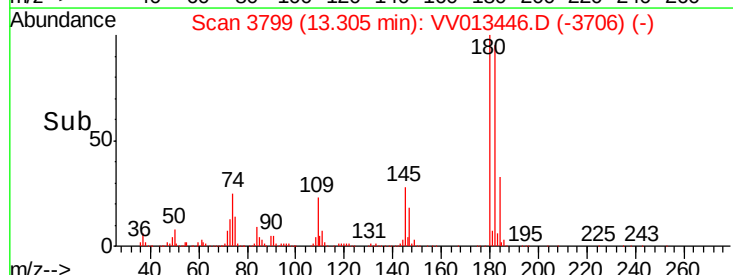


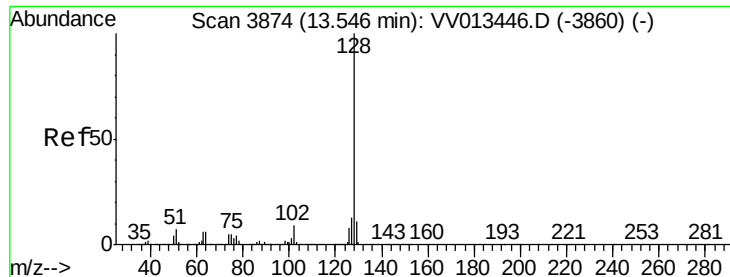
#68
 1,2,4-trichlorobenzene
 Concen: 5.053 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013446.D
 Acq: 31 Oct 2019 14:23

Tgt Ion:	180	Resp:	245802
Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.1	114.1
145	27.6	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: 5.378 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013446.D

Acq: 31 Oct 2019 14:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD00535

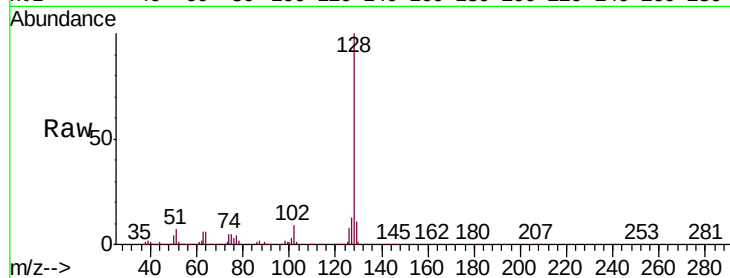
Tgt Ion:128 Resp: 366282

Ion Ratio Lower Upper

128 100

129 10.5 8.4 12.6

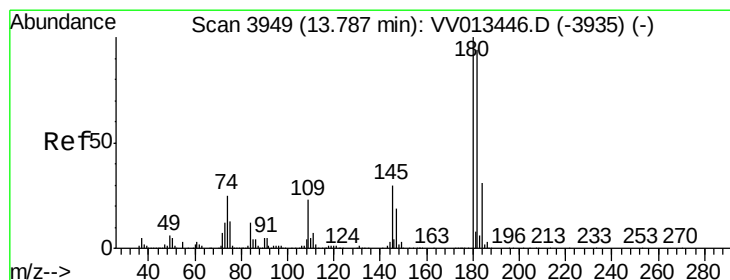
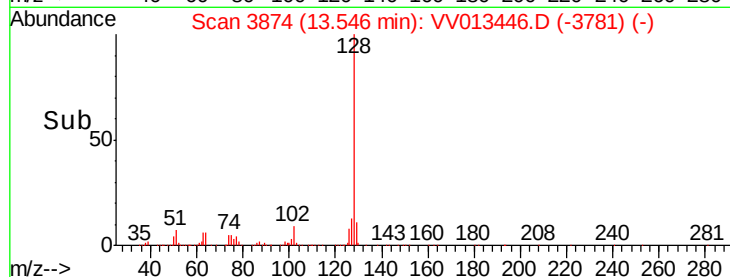
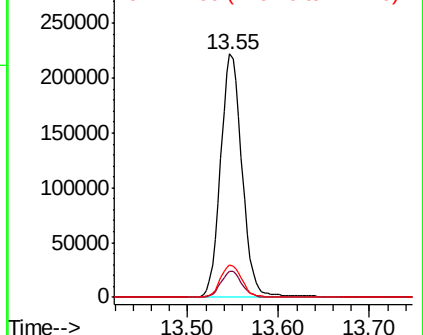
127 13.4 10.7 16.1



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: 5.315 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013446.D

Acq: 31 Oct 2019 14:23

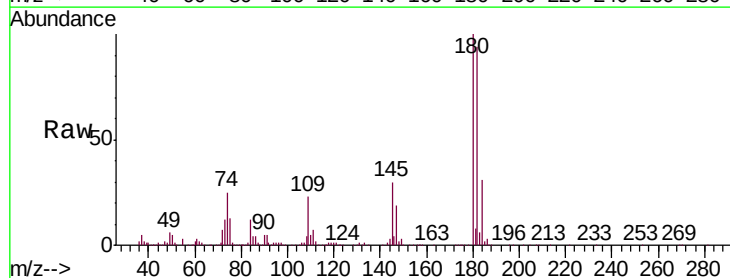
Tgt Ion:180 Resp: 236873

Ion Ratio Lower Upper

180 100

182 96.8 77.4 116.2

145 30.1 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

