

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110119\
 Data File : VV013472.D
 Acq On : 01 Nov 2019 16:46
 Operator : SY/MD
 Sample : MDL06
 Misc : 5.00G/10.0ML/MSVOA V/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 02 04:00:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM110119S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Nov 02 03:55:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	740714	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	703751	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	368419	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	263443	25.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.04%
7) Chloroethane-d5	1.58	69	188670	24.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.16%
10) 1,1-Dichloroethene-d2	2.13	63	339256	18.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.80%
20) 2-Butanone-d5	3.93	46	221972	45.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.74%
24) Chloroform-d	4.40	84	485069	23.12	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.48%
26) 1,2-Dichloroethane-d4	5.08	65	298852	24.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.56%
29) Benzene-d6	5.09	84	1040819	25.19	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.76%
33) 1,2-Dichloropropane-d6	6.11	67	318805	25.29	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.16%
37) Toluene-d8	7.36	98	907683	24.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.08%
38) trans-1,3-Dichloropropene-	7.66	79	129583	23.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.60%
39) 2-Hexanone-d5	8.13	63	125058	46.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.78%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	273768	23.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.80%
61) 1,2-Dichlorobenzene-d4	11.67	152	363672	25.26	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.04%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	11925	1.032 ug/L	98
3) Chloromethane	1.25	50	12591	1.069 ug/L	96
5) Vinyl chloride	1.32	62	12139	1.053 ug/L #	45
6) Bromomethane	1.53	94	5233	0.966 ug/L	91
9) Trichlorofluoromethane	1.77	101	14693	0.931 ug/L	92
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	12119	1.286 ug/L #	81
13) Acetone	2.19	43	16930	2.960 ug/L	94
14) Carbon disulfide	2.32	76	30921	0.895 ug/L	97
16) Methylene chloride	2.53	84	24061	1.745 ug/L	97
17) Methyl tert-butyl Ether	2.80	73	25800	0.883 ug/L	96
18) trans-1,2-Dichloroethene	2.79	96	9977	0.840 ug/L	96
19) 1,1-Dichloroethane	3.23	63	20310	0.938 ug/L	99
23) Bromochloromethane	4.30	128	5456	0.911 ug/L	94
25) Chloroform	4.42	83	36356	1.640 ug/L	77
31) 1,1,1-Trichloroethane	4.65	97	16333	0.915 ug/L	96
32) Carbon tetrachloride	4.87	117	14149	0.890 ug/L	99
34) Benzene	5.14	78	43890	0.951 ug/L	100

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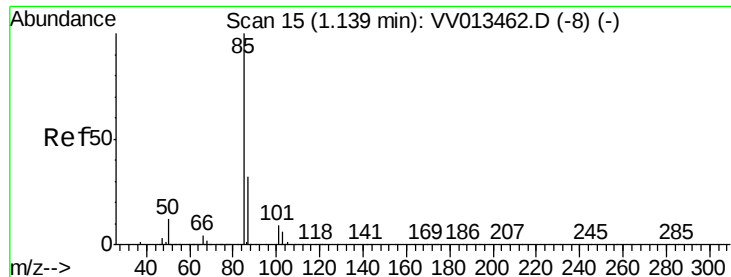
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 02 04:00:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM110119S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Nov 02 03:55:22 2019
 Response via : Initial Calibration

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

35) Trichloroethene	5.96	95	13159	1.056	ug/L	96
40) 1,2-Dichloropropane	6.22	63	10523	0.905	ug/L #	94
41) Bromodichloromethane	6.56	83	13006	0.869	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	14194	0.823	ug/L	96
43) 4-Methyl-2-pentanone	7.27	43	21114	1.967	ug/L #	91
44) Toluene	7.43	91	45604	0.967	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	9209	0.989	ug/L	90
47) Tetrachloroethene	8.02	164	9734	0.921	ug/L	96
49) 2-Hexanone	8.19	43	27133	3.473	ug/L #	85
50) Dibromochloromethane	8.29	129	10526	0.945	ug/L	78
51) 1,2-Dibromoethane	8.40	107	8606	0.894	ug/L #	98
52) Chlorobenzene	8.92	112	30221	0.947	ug/L	96
53) Ethylbenzene	9.05	91	45406	0.874	ug/L	93
54) m,p-Xylene	9.18	106	16319	0.835	ug/L	91
55) o-xylene	9.59	106	14563	0.788	ug/L	91
56) Styrene	9.60	104	24926	0.777	ug/L	96
57) Isopropylbenzene	9.97	105	39098	0.784	ug/L #	96
58) 1,1,2,2-Tetrachloroethane	10.28	83	12925	1.082	ug/L #	96
59) 1,2,3-Trichloropropane	10.32	75	10035	1.002	ug/L	91
62) Bromoform	9.77	173	6683	0.915	ug/L #	96
63) 1,3-Dichlorobenzene	11.22	146	25584	1.006	ug/L	92
64) 1,4-Dichlorobenzene	11.32	146	26595	1.023	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	24273	1.027	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.47	75	2210	1.016	ug/L #	88
67) 1,3,5-Trichlorobenzene	12.69	180	20397	1.014	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	16226	0.946	ug/L	94
69) Naphthalene	13.55	128	26392	0.796	ug/L	97
70) 1,2,3-Trichlorobenzene	13.79	180	14934	0.931	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 1.032 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013472.D

Acq: 01 Nov 2019 16:46

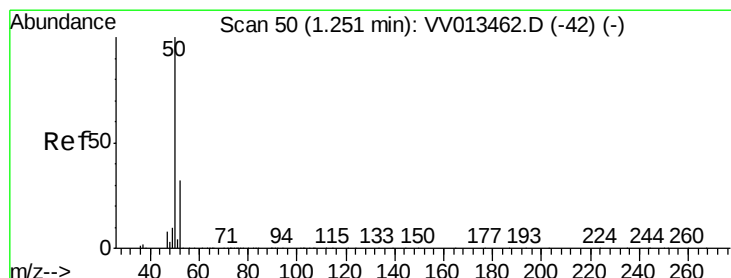
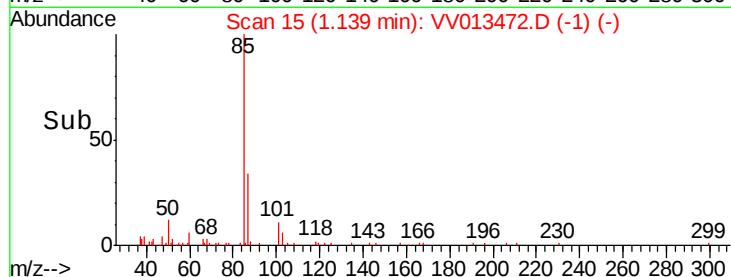
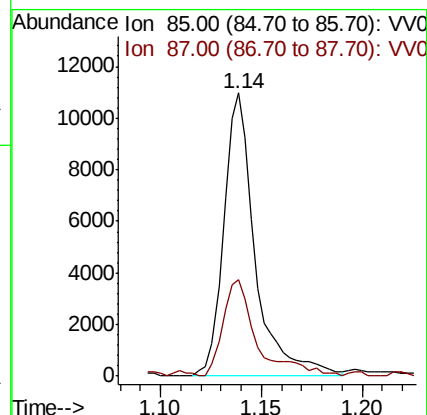
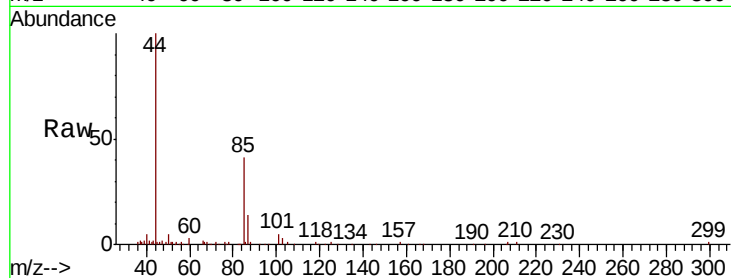
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 11925

Ion Ratio Lower Upper

85 100

87 32.6 22.2 41.2



#3

Chloromethane

Concen: 1.069 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013472.D

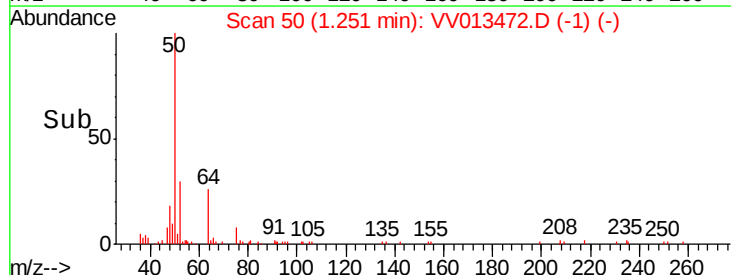
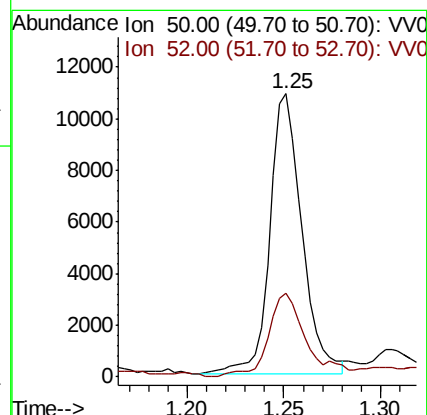
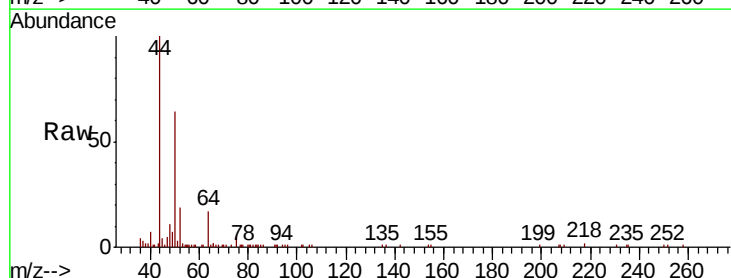
Acq: 01 Nov 2019 16:46

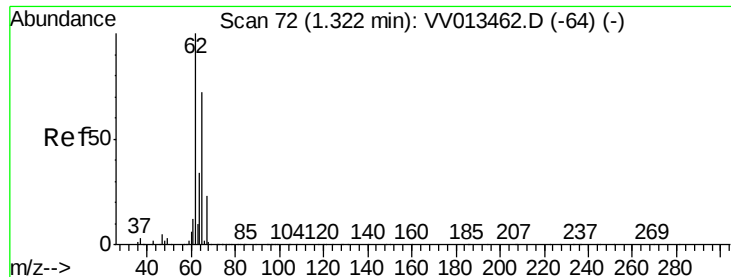
Tgt Ion: 50 Resp: 12591

Ion Ratio Lower Upper

50 100

52 29.7 22.2 41.2





#5

Vinyl chloride

Concen: 1.053 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013472.D

Acq: 01 Nov 2019 16:46

Instrument :

MSVOA_V

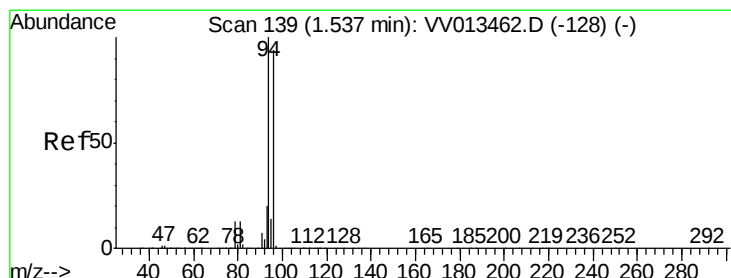
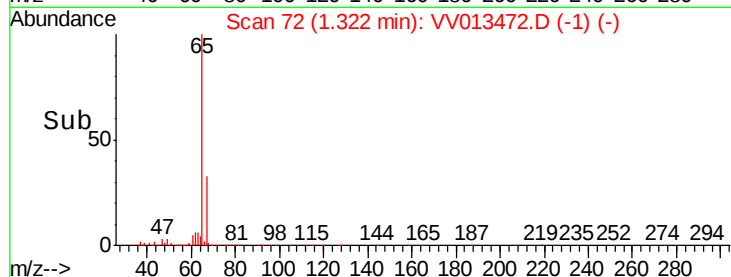
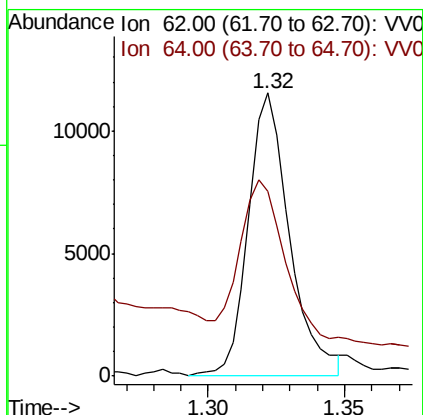
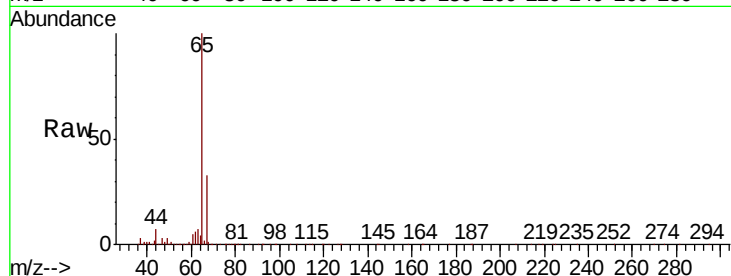
ClientSampleId :

Tot Ion: 62 Resp: 12139

Ion Ratio Lower Upper

62 100

64 65.3 23.8 44.2#



#6

Bromomethane

Concen: 0.966 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV013472.D

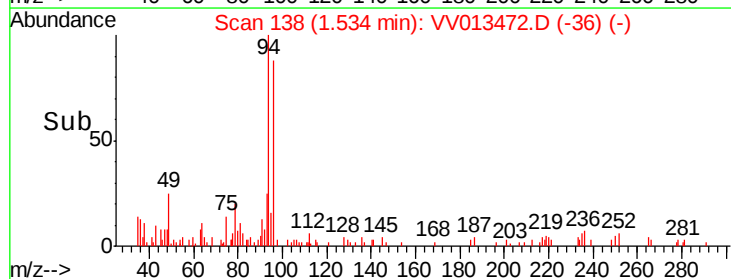
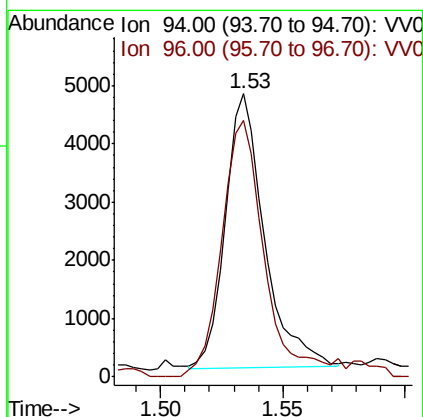
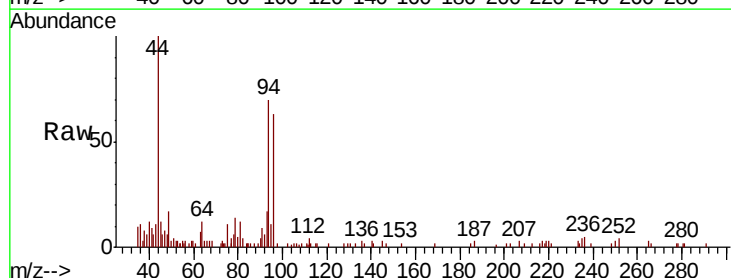
Acq: 01 Nov 2019 16:46

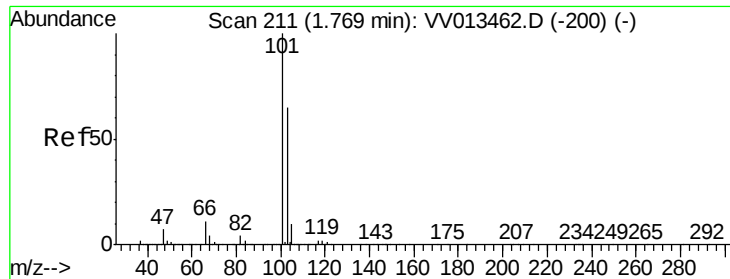
Tgt Ion: 94 Resp: 5233

Ion Ratio Lower Upper

94 100

96 101.8 9.4 177.8





#9

Trichlorofluoromethane

Concen: 0.931 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV013472.D

Acq: 01 Nov 2019 16:46

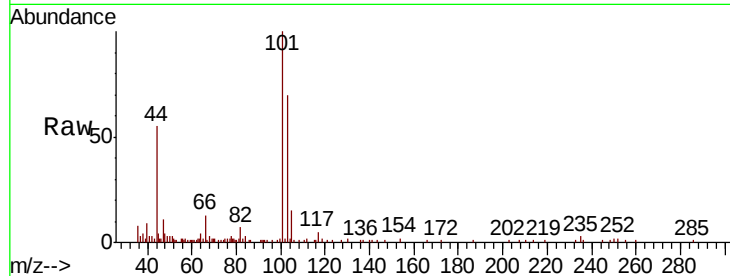
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:101 Resp: 14693

Ion Ratio Lower Upper

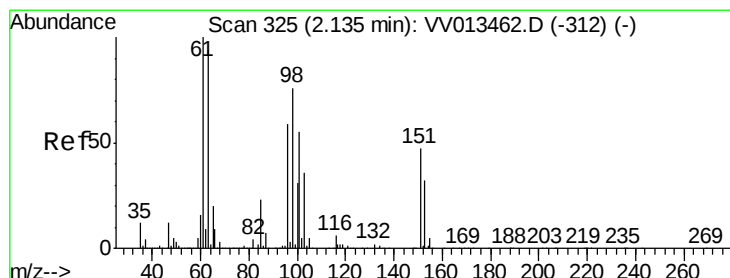
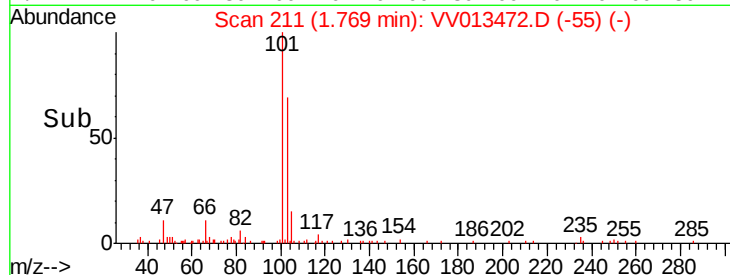
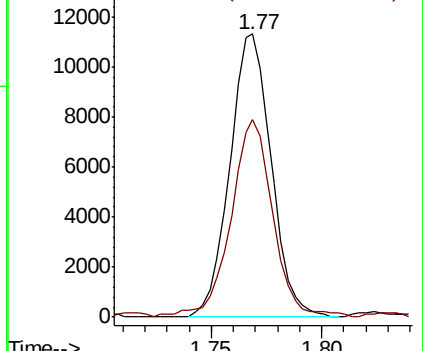
101 100

103 71.1 45.1 83.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#11

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

Concen: 1.286 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013472.D

Acq: 01 Nov 2019 16:46

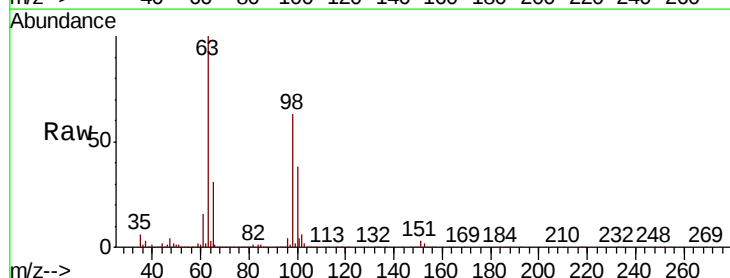
Tgt Ion:101 Resp: 12119

Ion Ratio Lower Upper

101 100

85 34.4 33.1 49.7

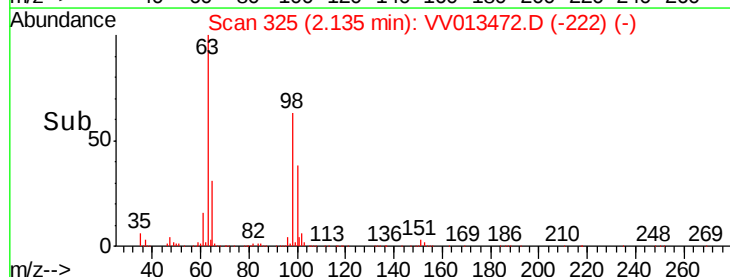
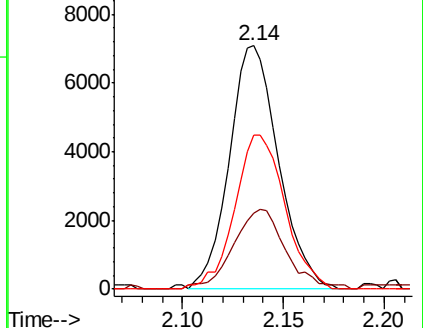
151 64.4 68.3 102.5#

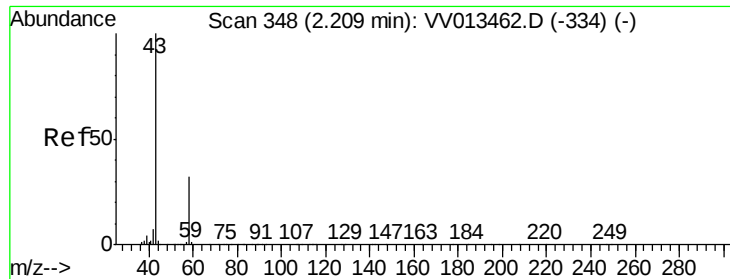


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V





#13

Acetone

Concen: 2.960 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.02 min

Lab File: VV013472.D

Acq: 01 Nov 2019 16:46

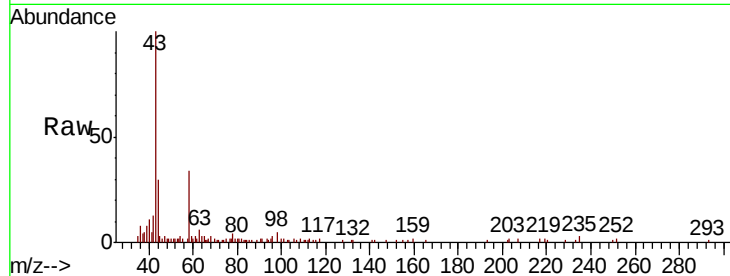
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 16930

Ion Ratio Lower Upper

43 100

58 35.1 0.0 63.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

2.19

10000

8000

6000

4000

2000

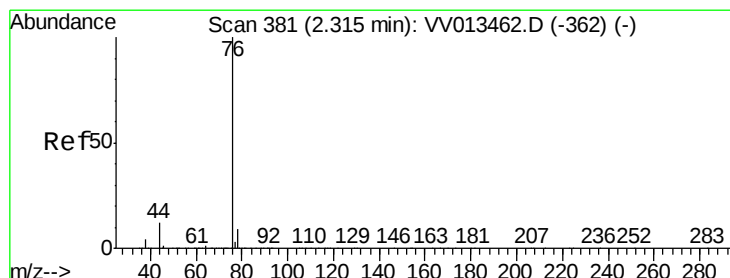
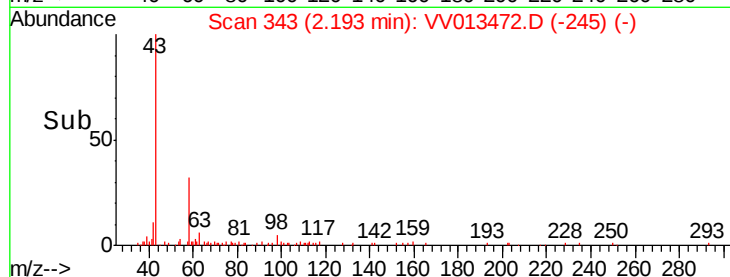
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Time-->

2.15

2.20

2.25



#14

Carbon disulfide

Concen: 0.895 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV013472.D

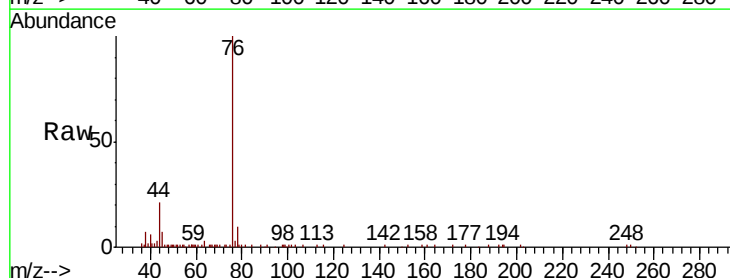
Acq: 01 Nov 2019 16:46

Tgt Ion: 76 Resp: 30921

Ion Ratio Lower Upper

76 100

78 10.1 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.32

25000

20000

15000

10000

5000

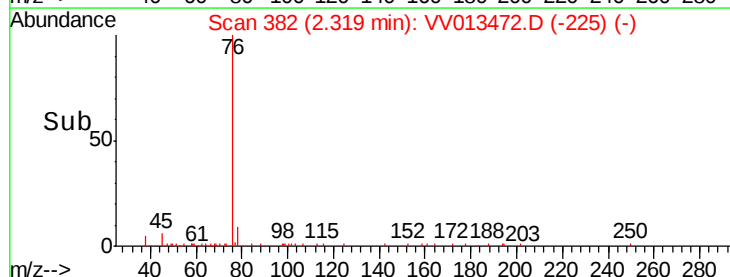
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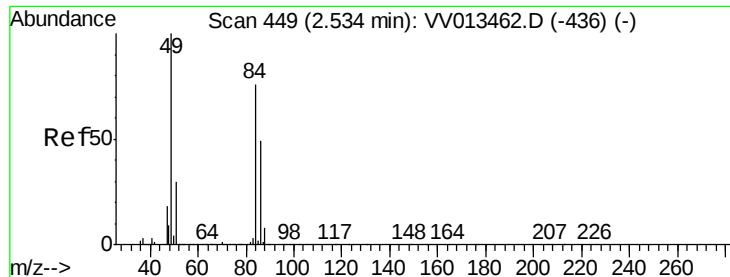
Time-->

2.25

2.30

2.35

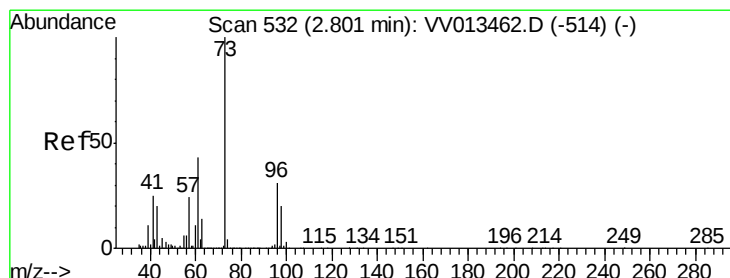
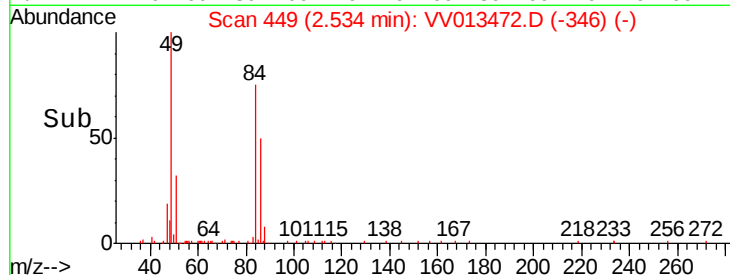
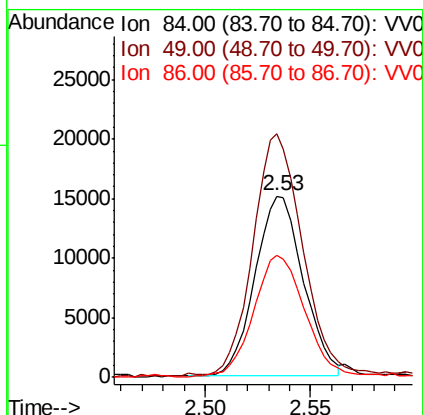
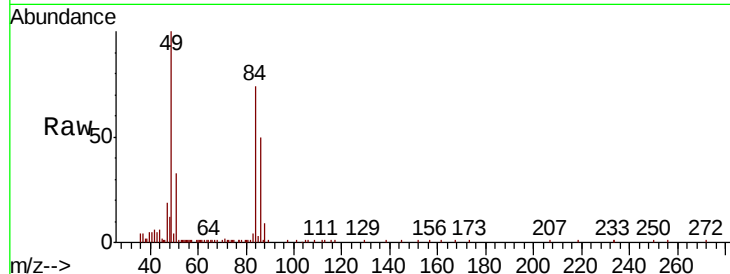




#16
Methylene chloride
Concen: 1.745 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013472.D
Acq: 01 Nov 2019 16:46

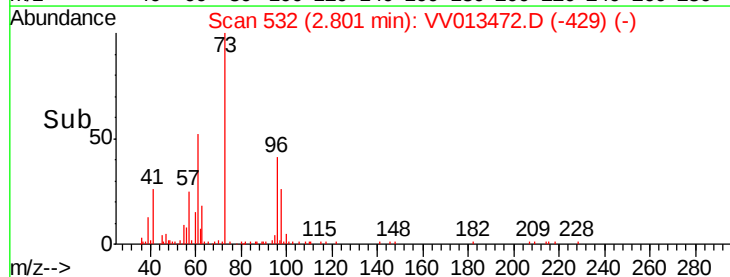
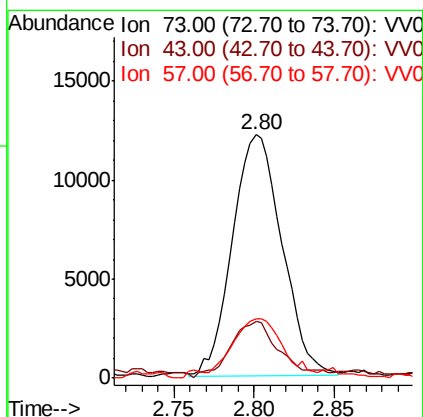
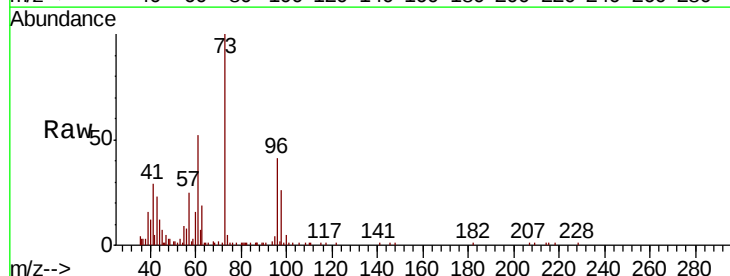
Instrument :
MSVOA_V
ClientSampled :

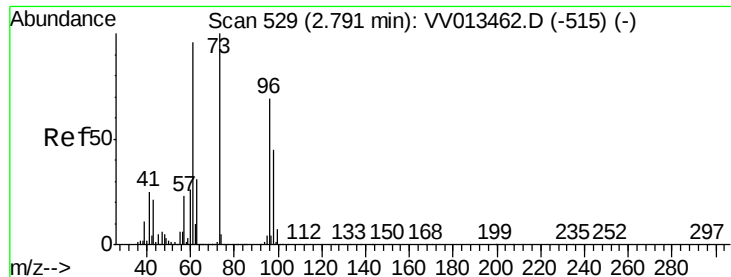
Tot Ion: 84 Resp: 24061
Ion Ratio Lower Upper
84 100
49 134.2 92.4 171.6
86 67.4 45.1 83.7



#17
Methyl tert-butyl Ether
Concen: 0.883 ug/L
RT: 2.80 min Scan# 532
Delta R.T. 0.00 min
Lab File: VV013472.D
Acq: 01 Nov 2019 16:46

Tgt Ion: 73 Resp: 25800
Ion Ratio Lower Upper
73 100
43 16.4 16.2 24.2
57 22.9 18.6 27.8

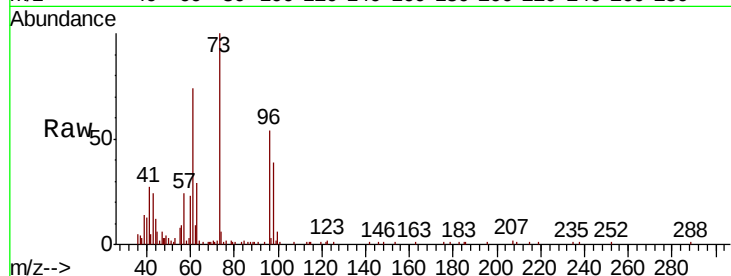




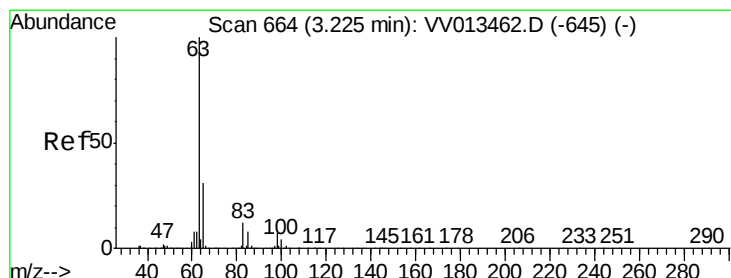
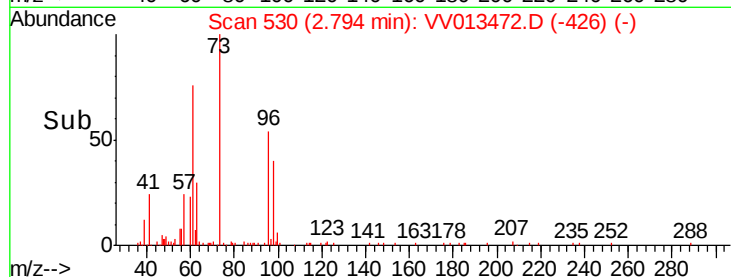
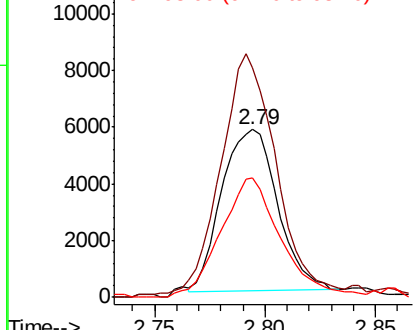
#18
trans-1,2-Dichloroethene
Concen: 0.840 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV013472.D
Acq: 01 Nov 2019 16:46

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 9977
Ion Ratio Lower Upper
96 100
61 136.9 98.0 182.0
98 71.7 45.6 84.8

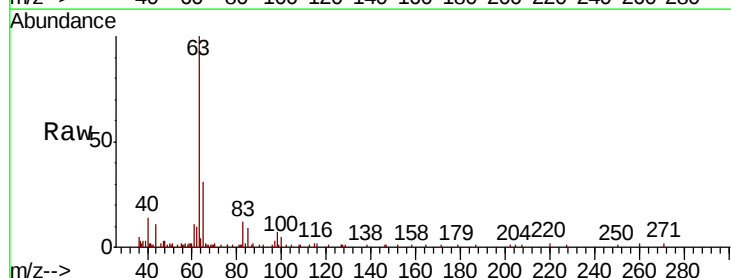


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

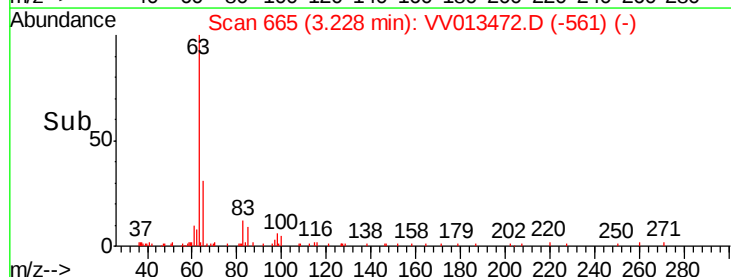
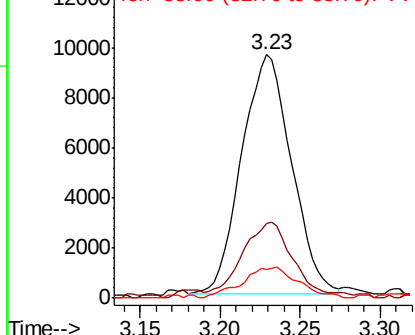


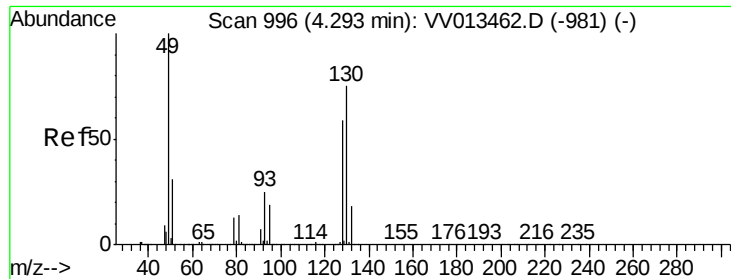
#19
1,1-Dichloroethane
Concen: 0.938 ug/L
RT: 3.23 min Scan# 665
Delta R.T. 0.00 min
Lab File: VV013472.D
Acq: 01 Nov 2019 16:46

Tgt Ion: 63 Resp: 20310
Ion Ratio Lower Upper
63 100
65 30.6 21.7 40.3
83 13.2 8.8 16.3



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0

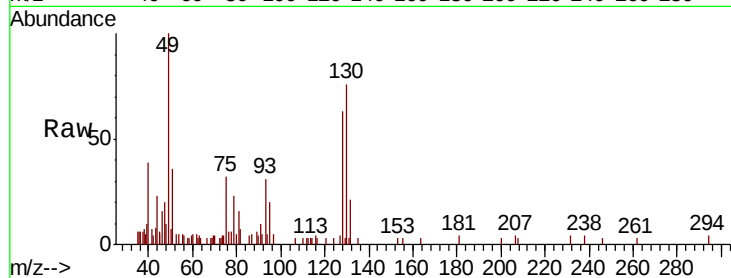




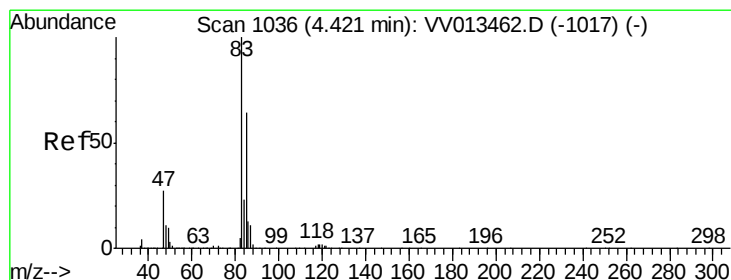
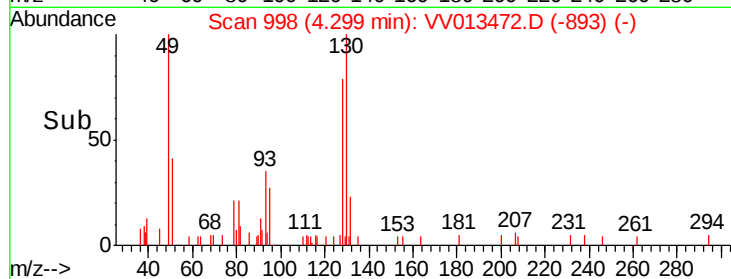
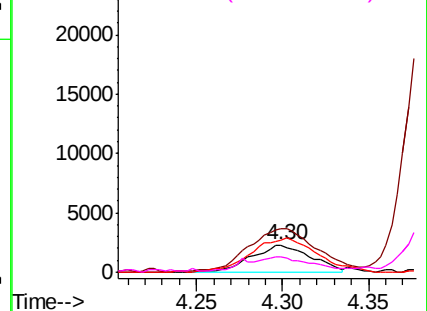
#23
Bromochloromethane
Concen: 0.911 ug/L
RT: 4.30 min Scan# 998
Delta R.T. 0.01 min
Lab File: VV013472.D
Acq: 01 Nov 2019 16:46

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:128 Resp: 5456
Ion Ratio Lower Upper
128 100
49 159.6 118.2 219.4
130 120.7 89.0 165.4
51 58.1 42.2 63.4

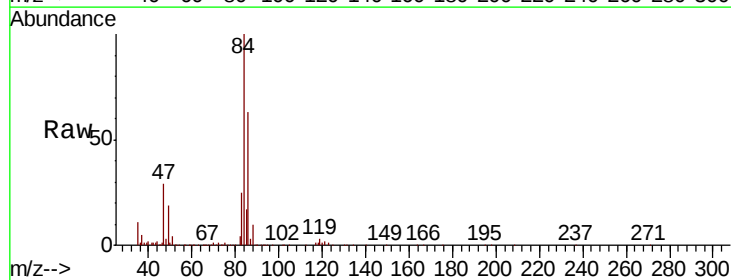


Abundance Ion 128.00 (127.70 to 128.70): VV013472.D (-998) (-)
Ion 49.00 (48.70 to 49.70): VV013472.D (-998) (-)
Ion 130.00 (129.70 to 130.70): VV013472.D (-998) (-)
Ion 51.00 (50.70 to 51.70): VV013472.D (-998) (-)

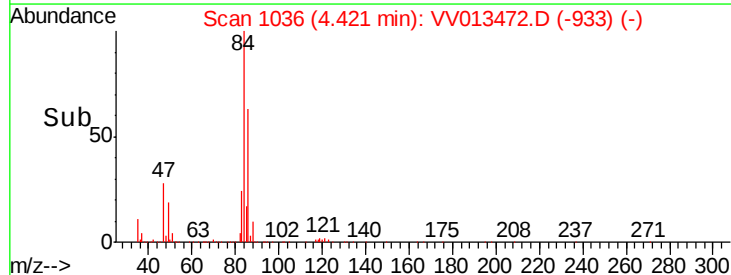
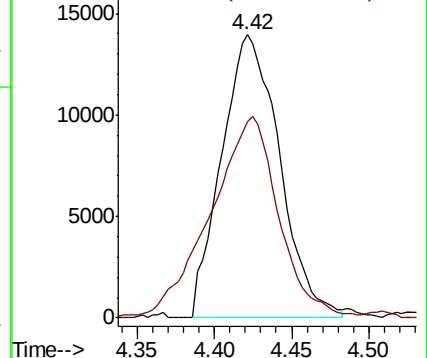


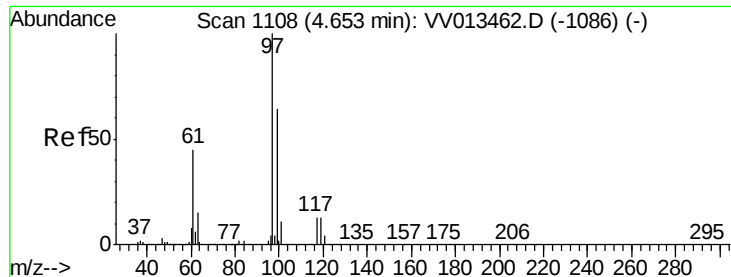
#25
Chloroform
Concen: 1.640 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV013472.D
Acq: 01 Nov 2019 16:46

Tgt Ion: 83 Resp: 36356
Ion Ratio Lower Upper
83 100
85 83.7 45.8 85.0



Abundance Ion 83.00 (82.70 to 83.70): VV013472.D (-1036) (-)
Ion 85.00 (84.70 to 85.70): VV013472.D (-1036) (-)





#31

1,1,1-Trichloroethane

Concen: 0.915 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VV013472.D

Acq: 01 Nov 2019 16:46

Instrument :
MSVOA_V
ClientSampleId :

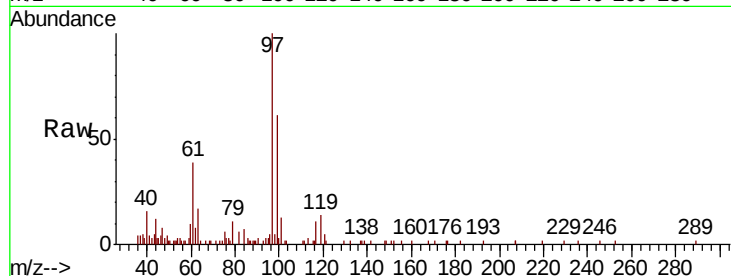
Tot Ion: 97 Resp: 16333

Ion Ratio Lower Upper

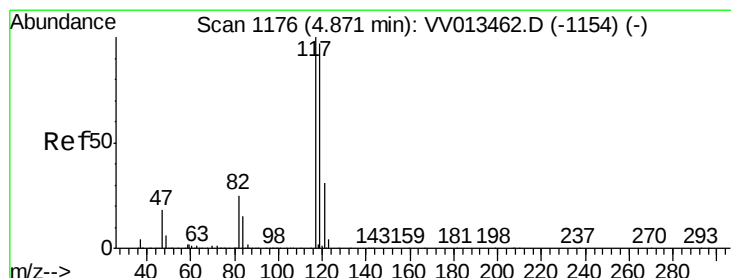
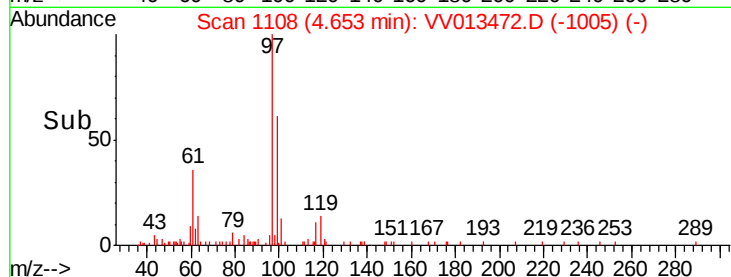
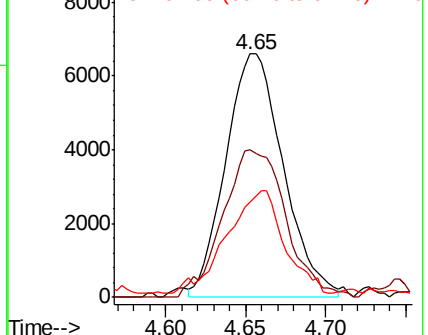
97 100

99 64.9 51.1 76.7

61 40.3 36.3 54.5



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.00 (60.70 to 61.70): VV0



#32

Carbon tetrachloride

Concen: 0.890 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV013472.D

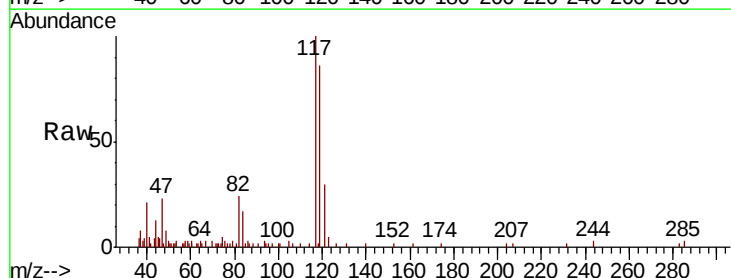
Acq: 01 Nov 2019 16:46

Tgt Ion: 117 Resp: 14149

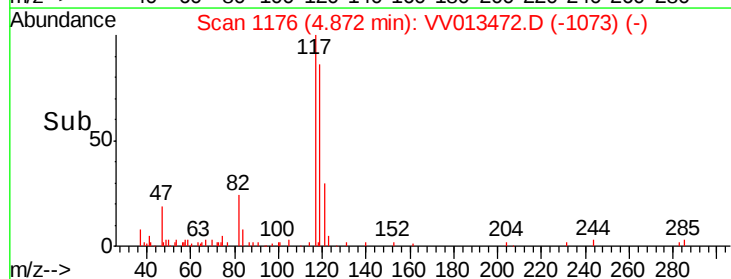
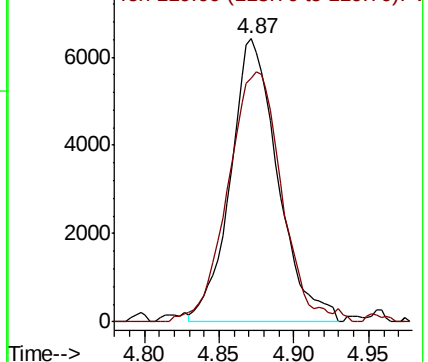
Ion Ratio Lower Upper

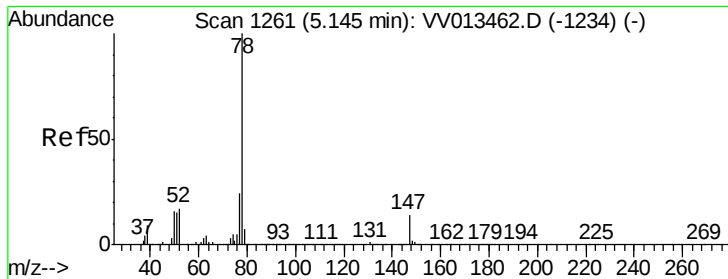
117 100

119 98.0 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 0.951 ug/L

RT: 5.14 min Scan# 1260

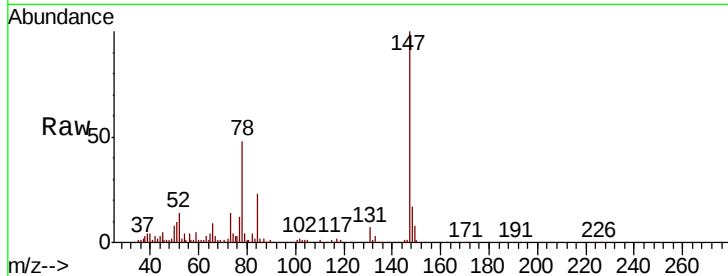
Delta R.T. -0.00 min

Lab File: VV013472.D

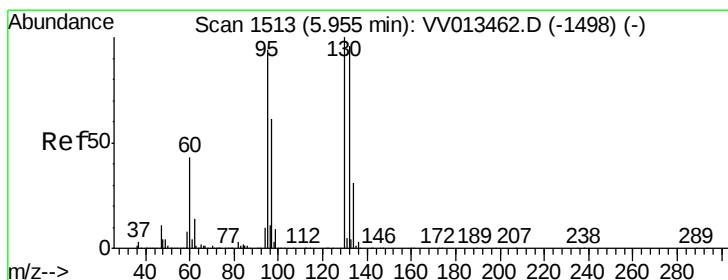
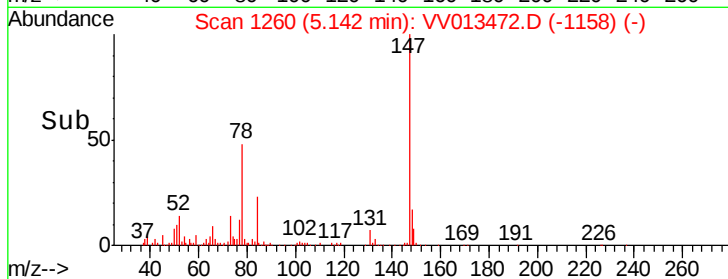
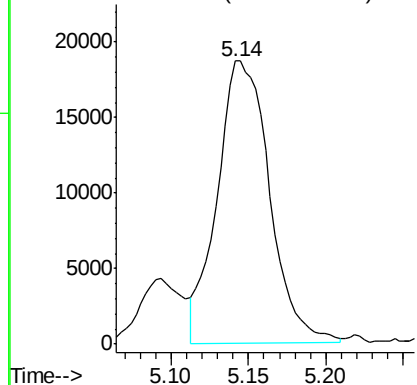
Acq: 01 Nov 2019 16:46

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 43890



Abundance Ion 78.00 (77.70 to 78.70): VV0



#35

Trichloroethene

Concen: 1.056 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV013472.D

Acq: 01 Nov 2019 16:46

Tgt Ion: 95 Resp: 13159

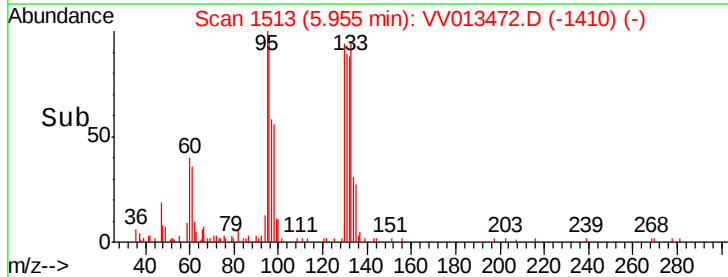
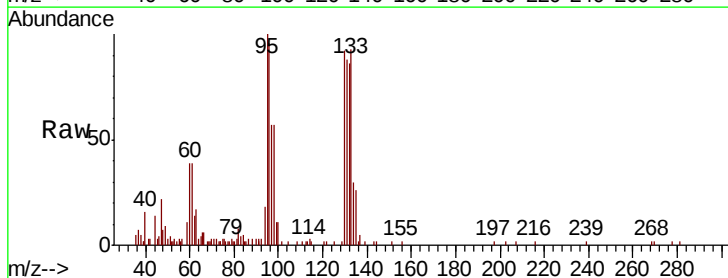
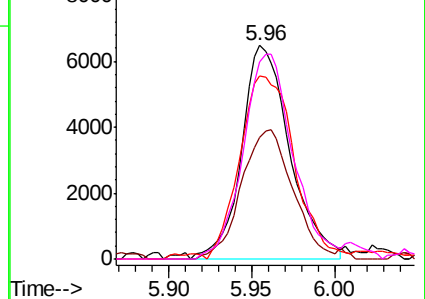
Ion	Ratio	Lower	Upper
95	100		
97	64.2	44.7	83.1
132	97.1	71.0	131.8
130	98.8	74.1	137.7

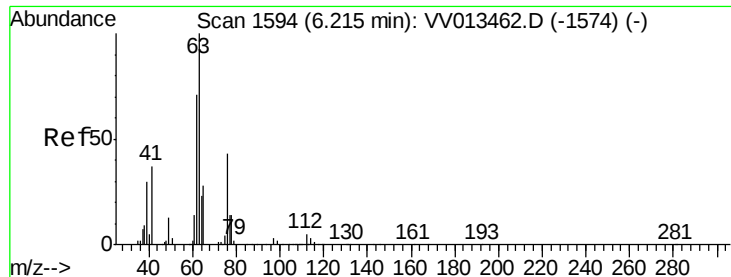
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0





#40

1,2-Dichloropropane

Concen: 0.905 ug/L

RT: 6.22 min Scan# 1594

Delta R.T. 0.00 min

Lab File: VV013472.D

Acq: 01 Nov 2019 16:46

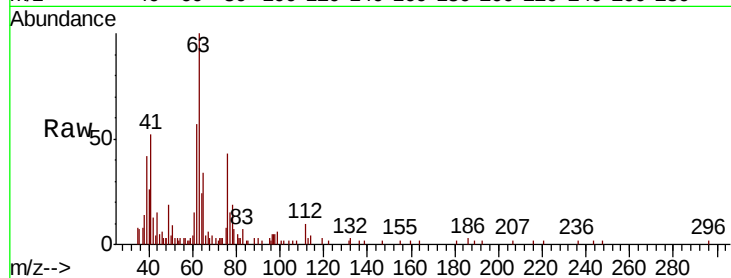
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 10523

Ion Ratio Lower Upper

63 100

112 6.7 3.8 5.6#



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

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

6.22

6000

5000

4000

3000

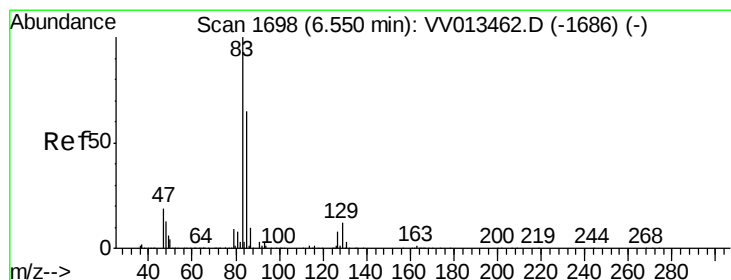
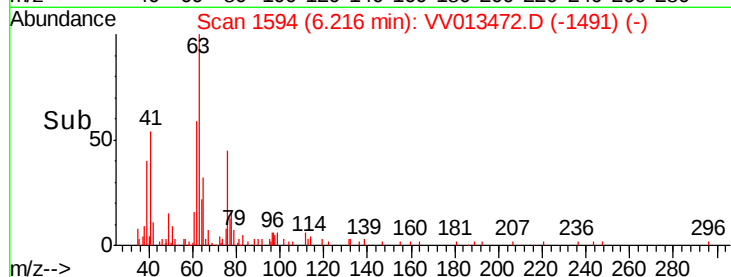
2000

1000

0

6.15 6.20 6.25

Time-->



#41

Bromodichloromethane

Concen: 0.869 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.01 min

Lab File: VV013472.D

Acq: 01 Nov 2019 16:46

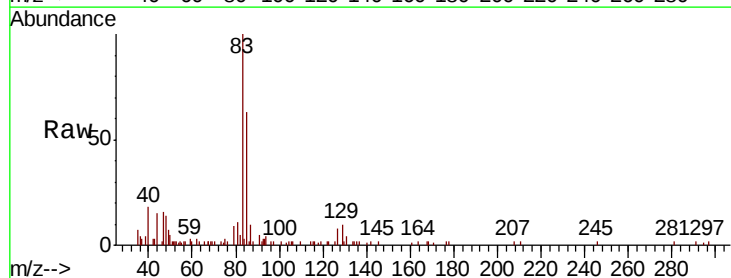
Tgt Ion: 83 Resp: 13006

Ion Ratio Lower Upper

83 100

85 63.4 45.4 84.4

127 8.1 6.7 10.1



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

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

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

10000

8000

6000

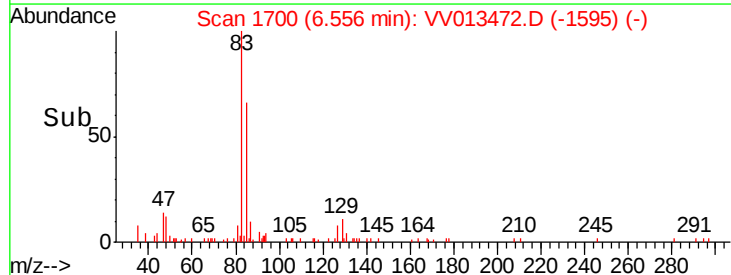
4000

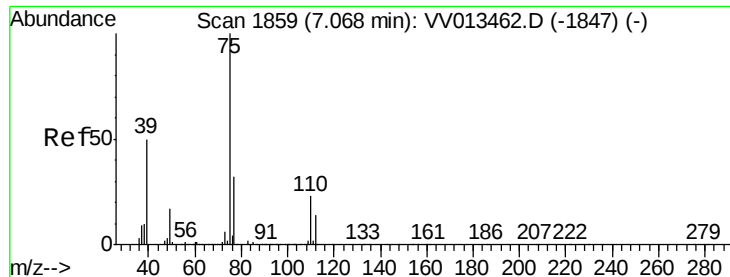
2000

0

6.50 6.55 6.60

Time-->



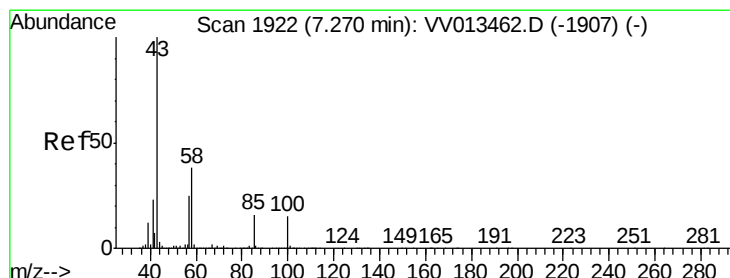
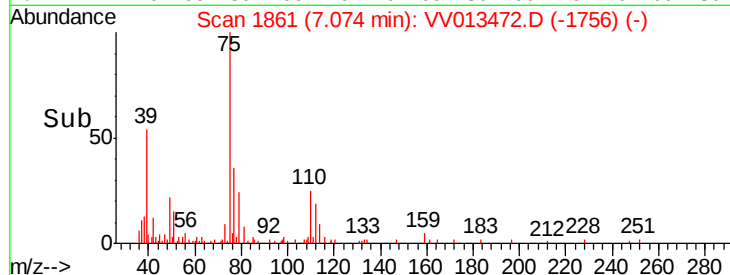
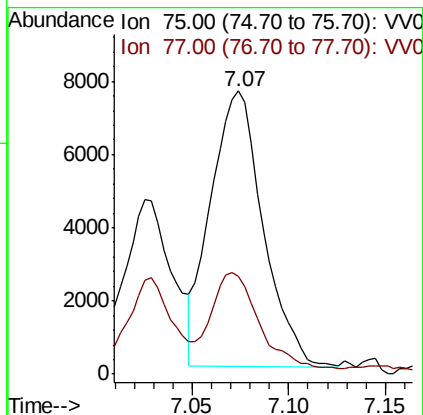
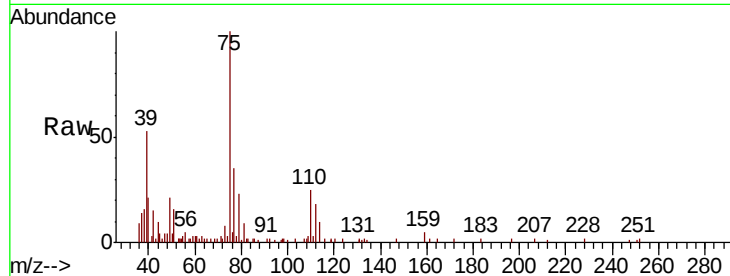


#42

cis-1,3-Dichloropropene
Concen: 0.823 ug/L
RT: 7.07 min Scan# 1861
Delta R.T. 0.01 min
Lab File: VV013472.D
Acq: 01 Nov 2019 16:46

Instrument :
MSVOA_V
ClientSampleId :

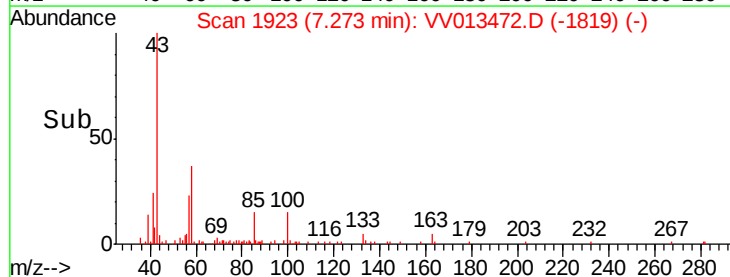
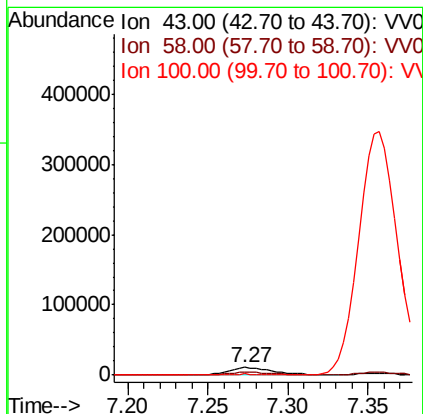
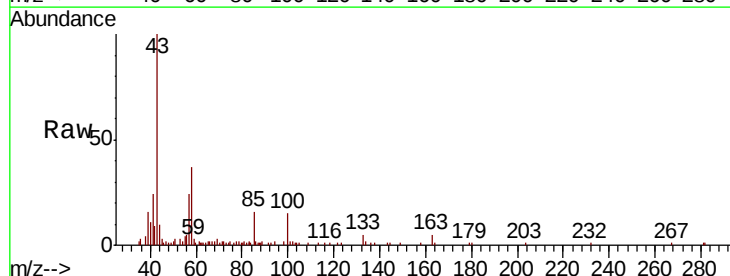
Tot Ion: 75 Resp: 14194
Ion Ratio Lower Upper
75 100
77 34.7 22.7 42.1

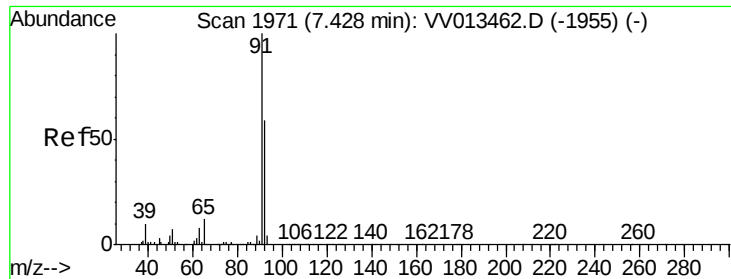


#43

4-Methyl-2-pentanone
Concen: 1.967 ug/L
RT: 7.27 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VV013472.D
Acq: 01 Nov 2019 16:46

Tgt Ion: 43 Resp: 21114
Ion Ratio Lower Upper
43 100
58 39.8 29.9 44.9
100 5.6 11.5 17.3#





#44

Toluene

Concen: 0.967 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013472.D

Acq: 01 Nov 2019 16:46

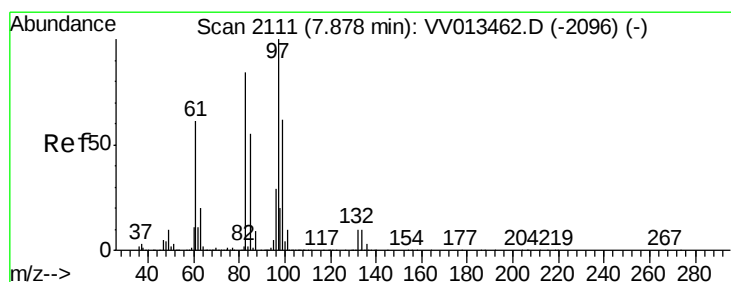
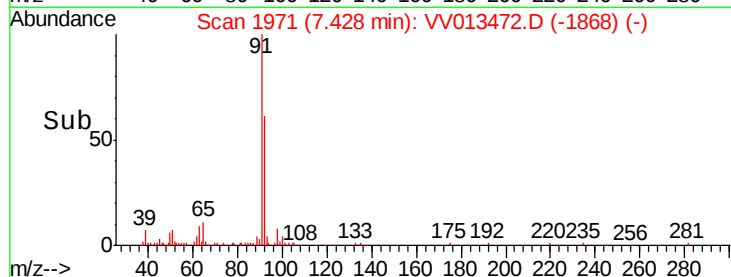
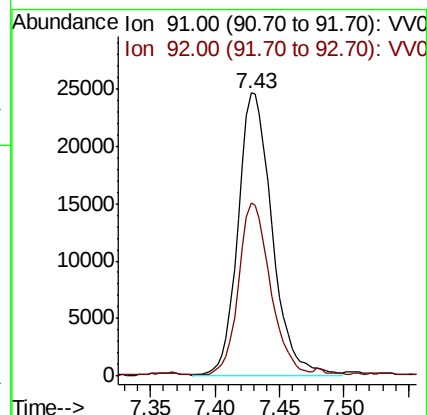
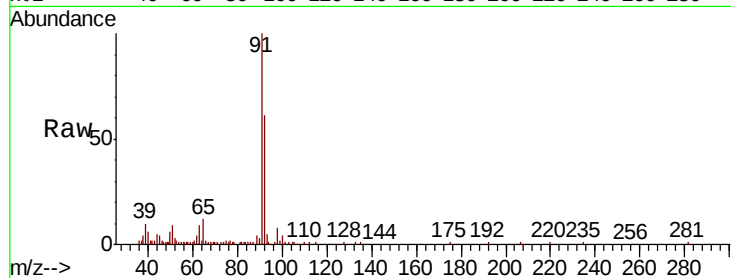
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 45604

Ion Ratio Lower Upper

91 100

92 61.1 41.4 76.8



#46

1,1,2-Trichloroethane

Concen: 0.989 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV013472.D

Acq: 01 Nov 2019 16:46

Tgt Ion: 97 Resp: 9209

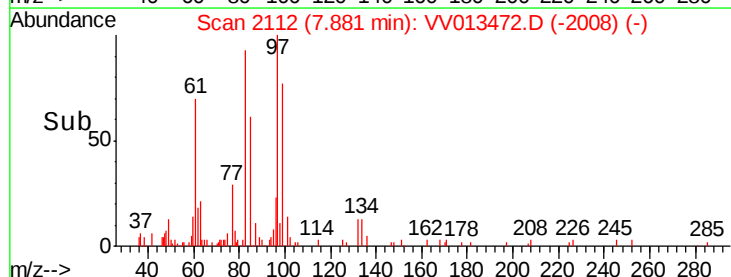
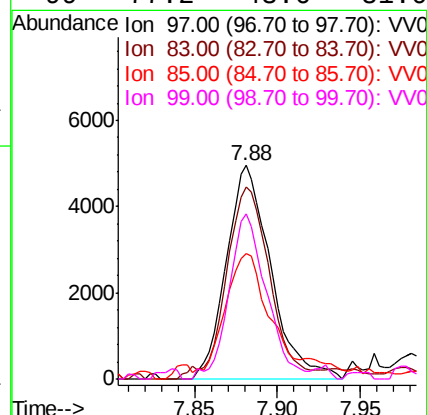
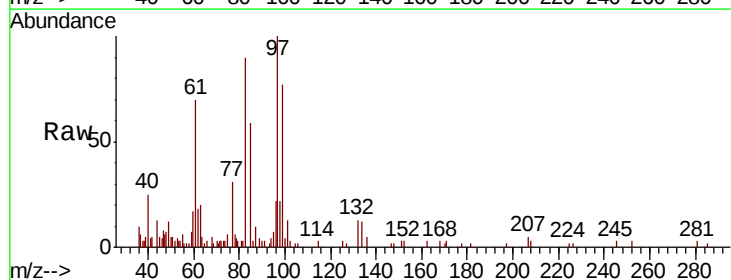
Ion Ratio Lower Upper

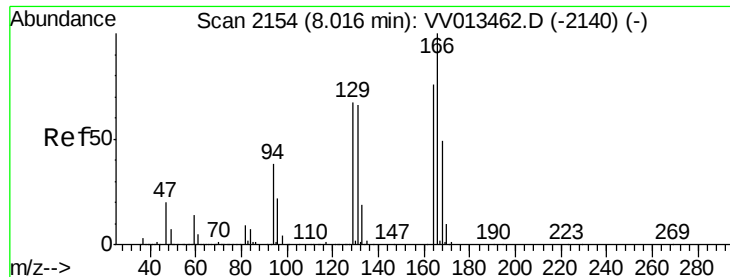
97 100

83 89.9 58.9 109.3

85 58.8 38.6 71.6

99 77.2 43.6 81.0





#47

Tetrachloroethene

Concen: 0.921 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013472.D

Acq: 01 Nov 2019 16:46

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 9734

Ion	Ratio	Lower	Upper
164	100		
129	80.1	61.8	114.8
131	85.5	61.0	113.2
166	129.5	92.1	171.1

Abundance

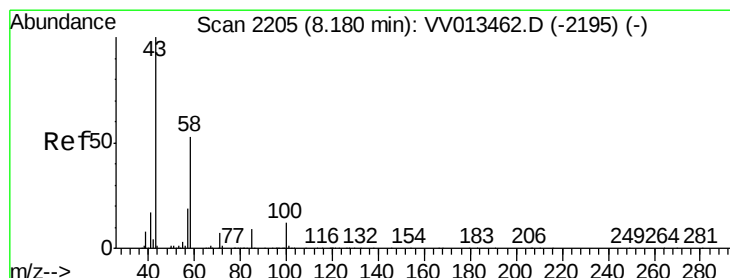
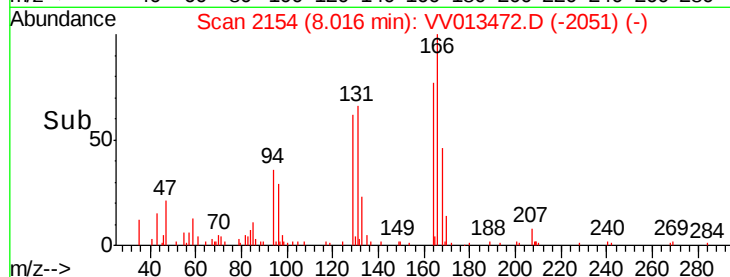
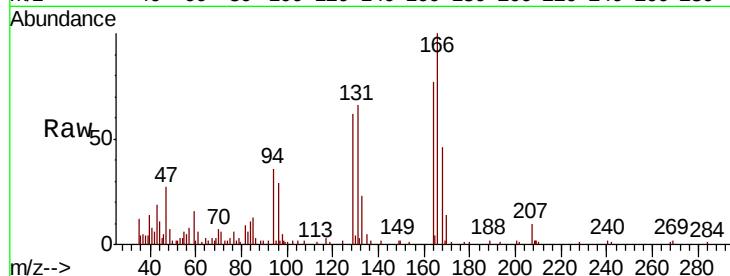
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

Time-->



#49

2-Hexanone

Concen: 3.473 ug/L

RT: 8.19 min Scan# 2207

Delta R.T. 0.01 min

Lab File: VV013472.D

Acq: 01 Nov 2019 16:46

Tgt Ion: 43 Resp: 27133

Ion	Ratio	Lower	Upper
43	100		
58	43.9	43.8	65.8
57	9.0	15.0	22.4
100	12.7	9.4	14.2

Abundance

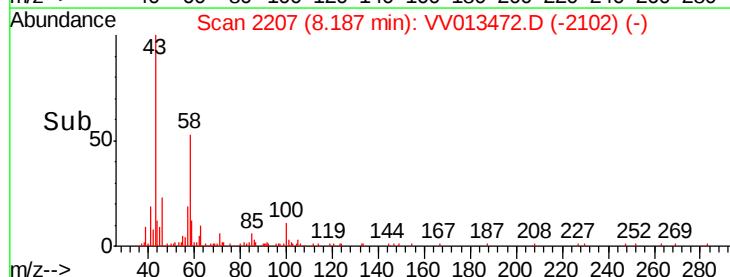
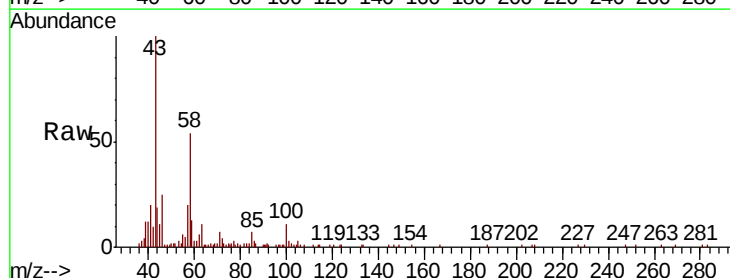
Ion 43.00 (42.70 to 43.70): VV0

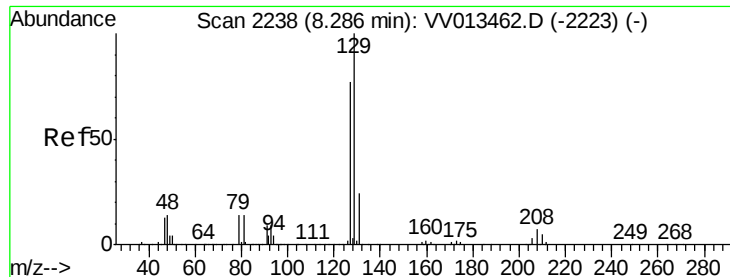
Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0

Time-->





#50

Dibromochloromethane

Concen: 0.945 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VV013472.D

Acq: 01 Nov 2019 16:46

Instrument :

MSVOA_V

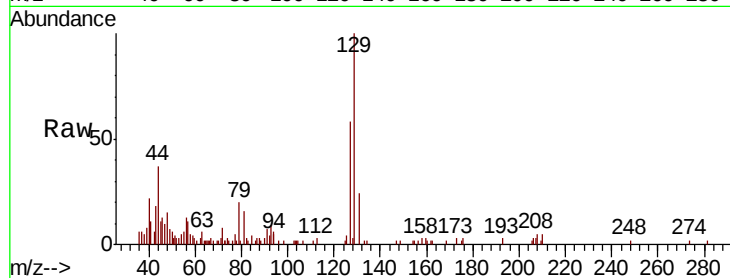
ClientSampleId :

Tot Ion:129 Resp: 10526

Ion Ratio Lower Upper

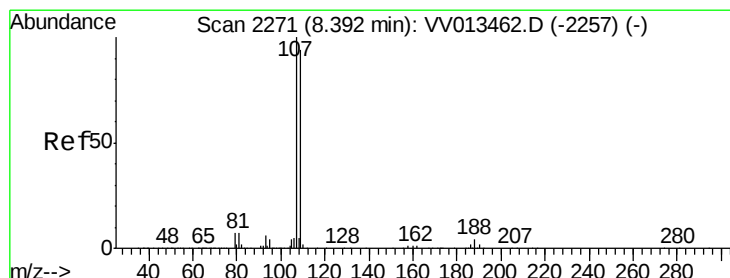
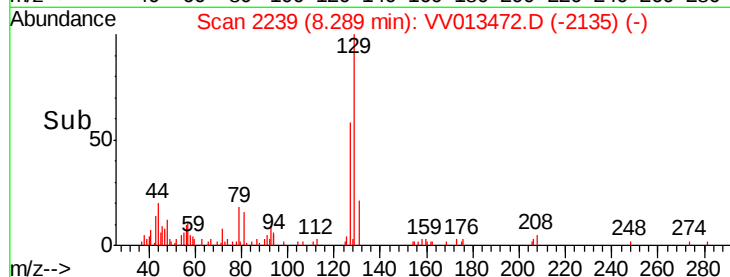
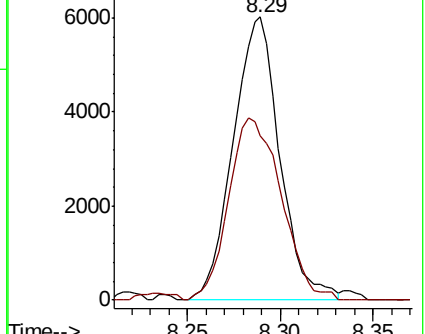
129 100

127 58.2 53.9 100.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#51

1,2-Dibromoethane

Concen: 0.894 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV013472.D

Acq: 01 Nov 2019 16:46

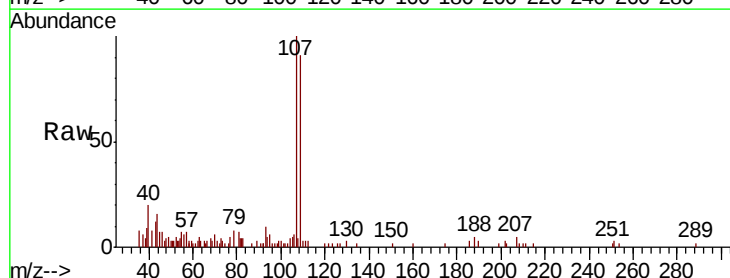
Tgt Ion:107 Resp: 8606

Ion Ratio Lower Upper

107 100

109 91.3 65.6 121.8

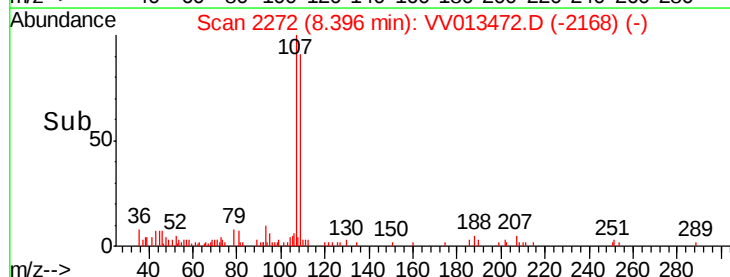
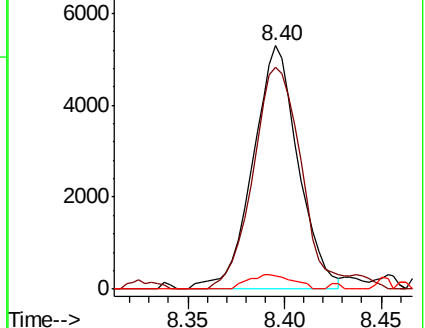
188 5.3 3.5 5.3#

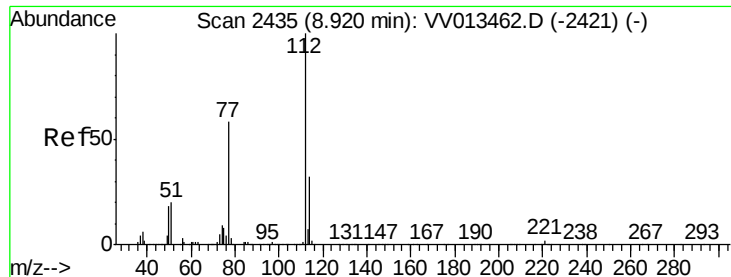


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#52

Chlorobenzene

Concen: 0.947 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV013472.D

Acq: 01 Nov 2019 16:46

Instrument :

MSVOA_V

ClientSampleId :

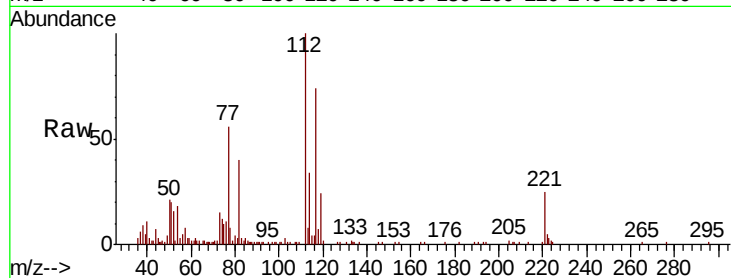
Tot Ion: 112 Resp: 30221

Ion Ratio Lower Upper

112 100

77 55.6 46.6 70.0

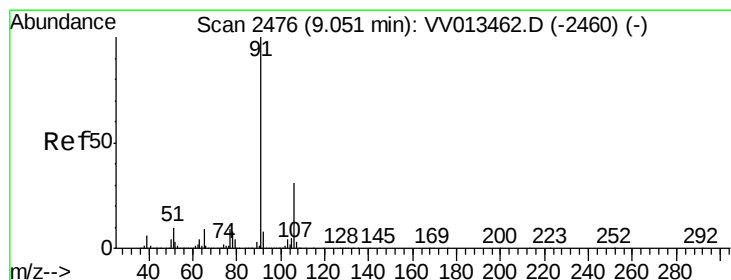
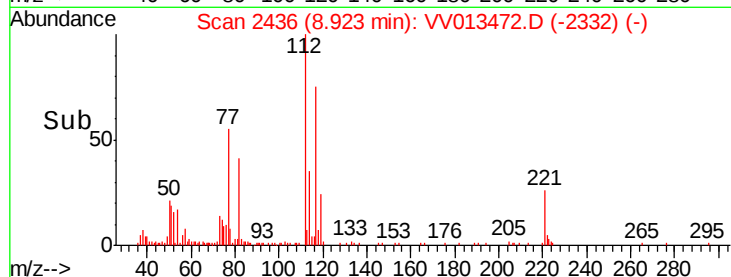
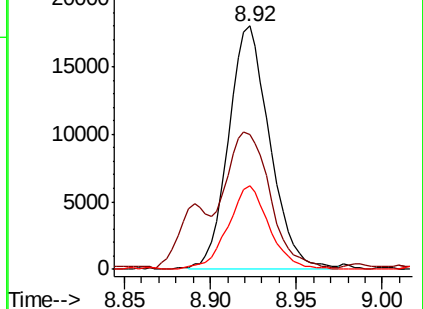
114 34.4 22.5 41.9



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V



#53

Ethylbenzene

Concen: 0.874 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV013472.D

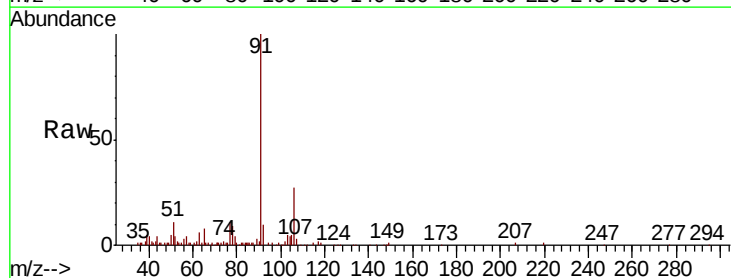
Acq: 01 Nov 2019 16:46

Tgt Ion: 91 Resp: 45406

Ion Ratio Lower Upper

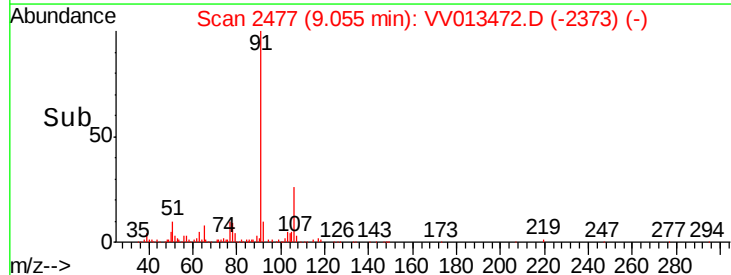
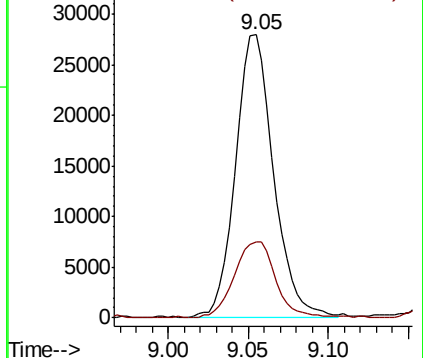
91 100

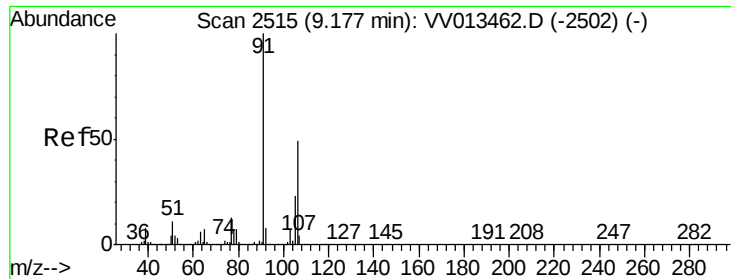
106 26.9 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 0.835 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013472.D

Acq: 01 Nov 2019 16:46

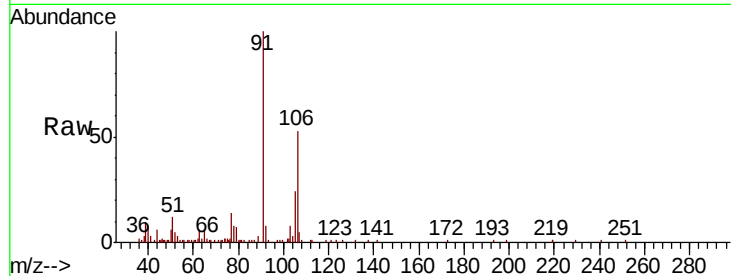
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 16319

Ion Ratio Lower Upper

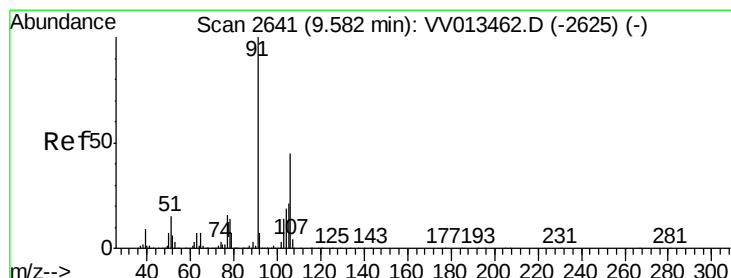
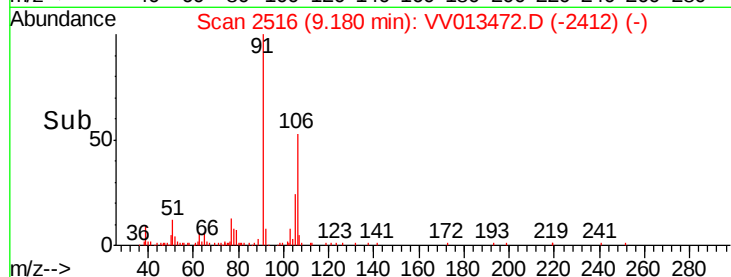
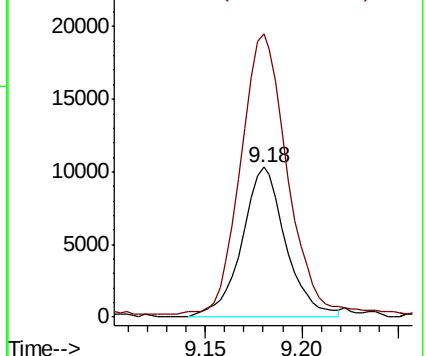
106 100

91 188.8 141.7 263.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

o-xylene

Concen: 0.788 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV013472.D

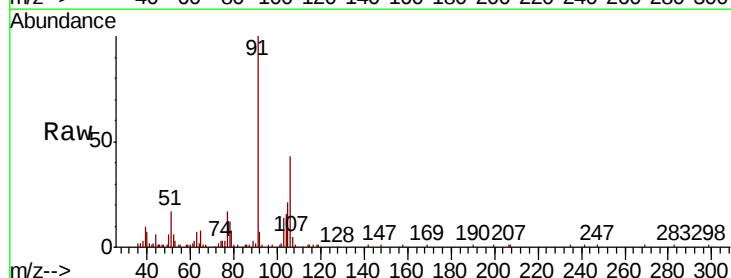
Acq: 01 Nov 2019 16:46

Tgt Ion:106 Resp: 14563

Ion Ratio Lower Upper

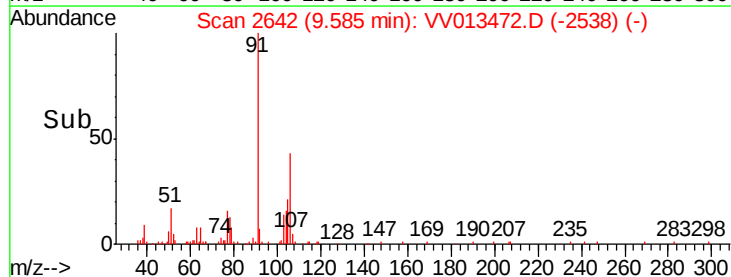
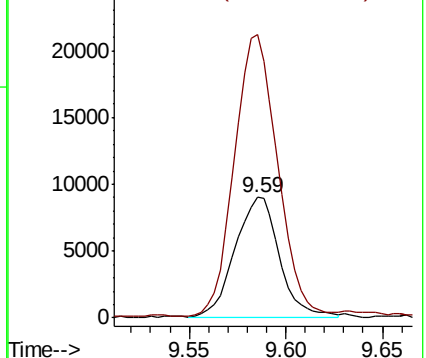
106 100

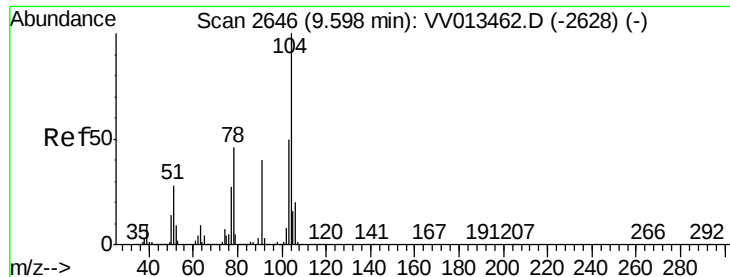
91 235.1 154.2 286.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

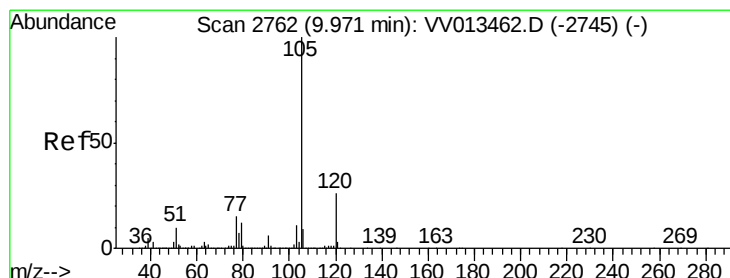
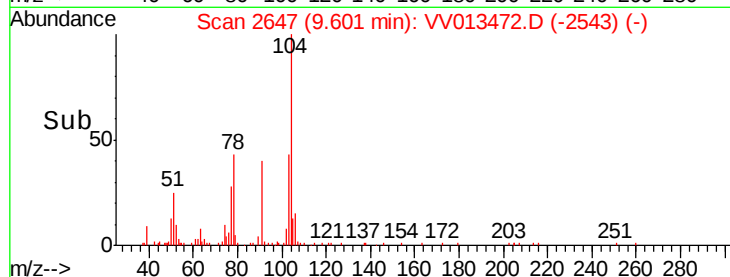
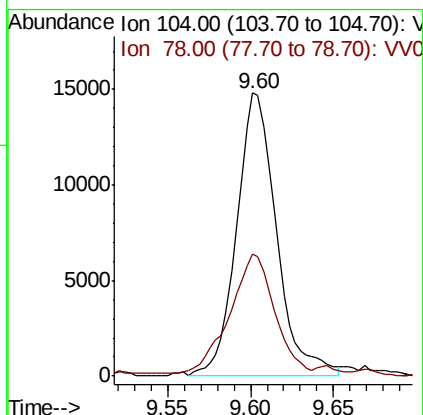
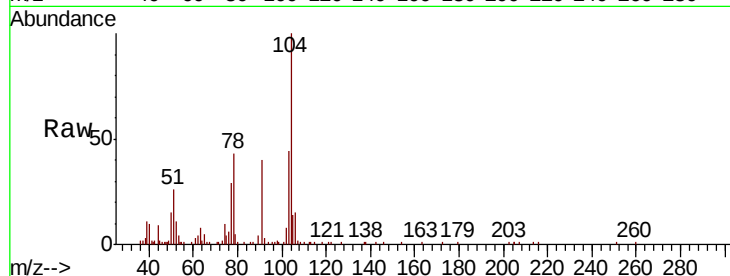




#56
Stvrene
Concen: 0.777 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV013472.D
Acq: 01 Nov 2019 16:46

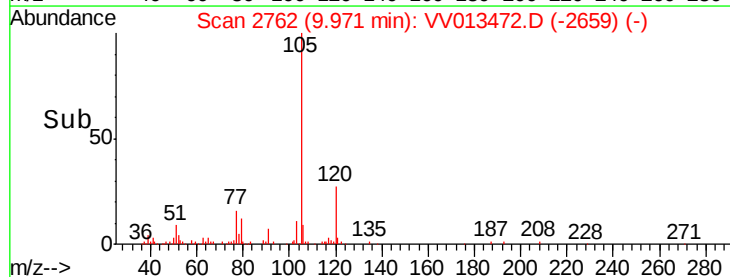
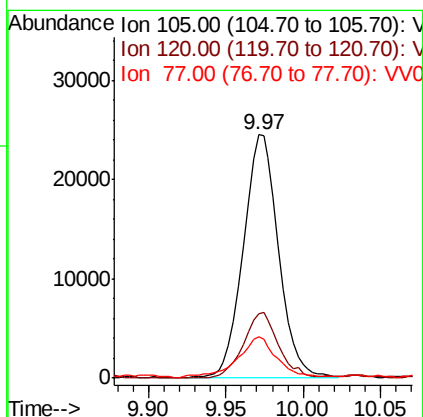
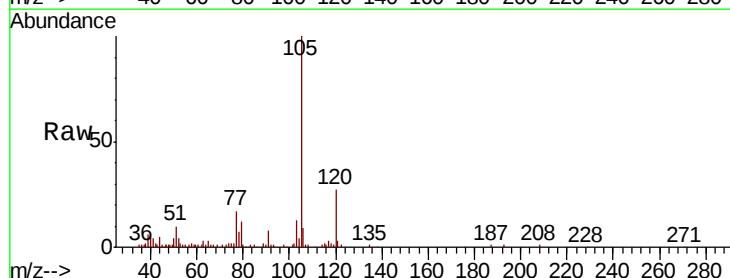
Instrument :
MSVOA_V
ClientSampleId :

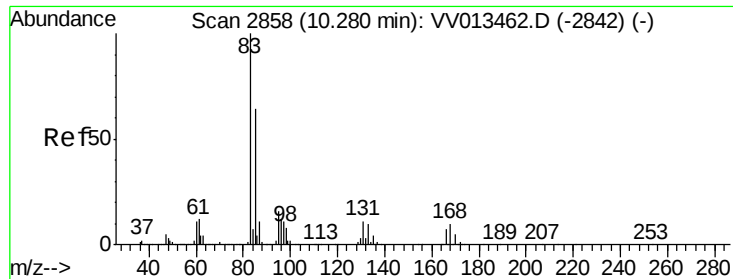
Tot Ion:104 Resp: 24926
Ion Ratio Lower Upper
104 100
78 43.0 32.1 59.5



#57
Isopropylbenzene
Concen: 0.784 ug/L
RT: 9.97 min Scan# 2762
Delta R.T. 0.00 min
Lab File: VV013472.D
Acq: 01 Nov 2019 16:46

Tgt Ion:105 Resp: 39098
Ion Ratio Lower Upper
105 100
120 26.6 21.1 31.7
77 19.2 12.3 18.5#





#58

1,1,2,2-Tetrachloroethane

Concen: 1.082 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV013472.D

Acq: 01 Nov 2019 16:46

Instrument :

MSVOA_V

ClientSampled :

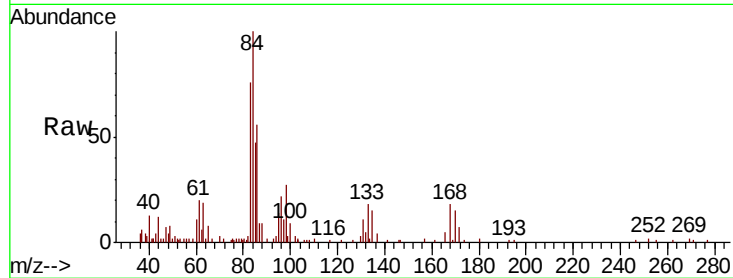
Tot Ion: 83 Resp: 12925

Ion Ratio Lower Upper

83 100

85 62.1 45.1 83.7

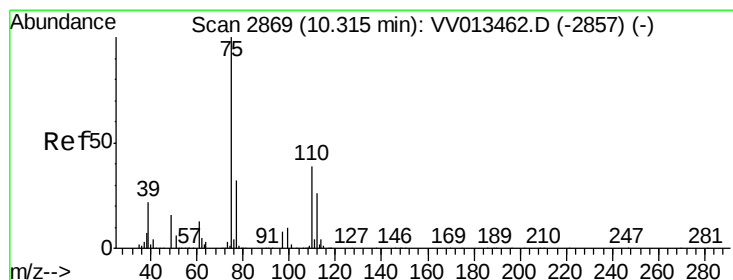
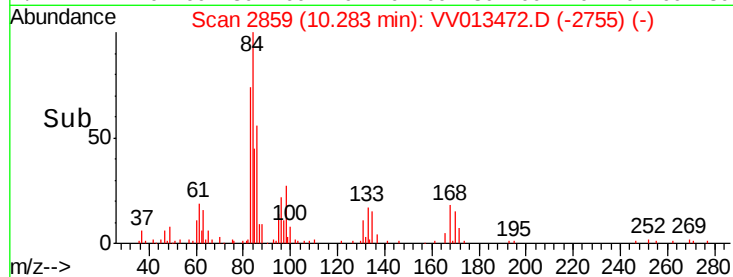
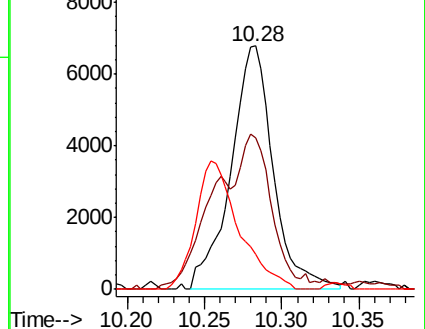
131 14.4 8.5 12.7#



Abundance Ion 83.00 (82.70 to 83.70): VV013472.D (-2755) (-)

Ion 85.00 (84.70 to 85.70): VV013472.D (-2755) (-)

Ion 131.00 (130.70 to 131.70): VV013472.D (-2755) (-)



#59

1,2,3-Trichloropropane

Concen: 1.002 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013472.D

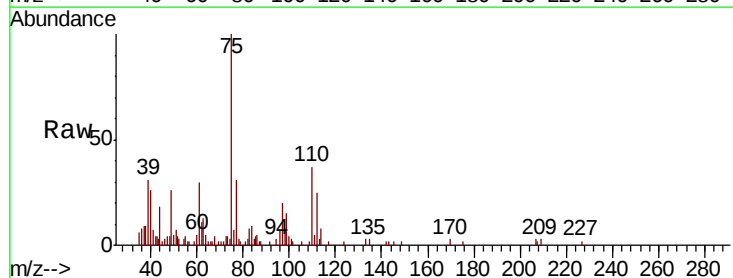
Acq: 01 Nov 2019 16:46

Tgt Ion: 75 Resp: 10035

Ion Ratio Lower Upper

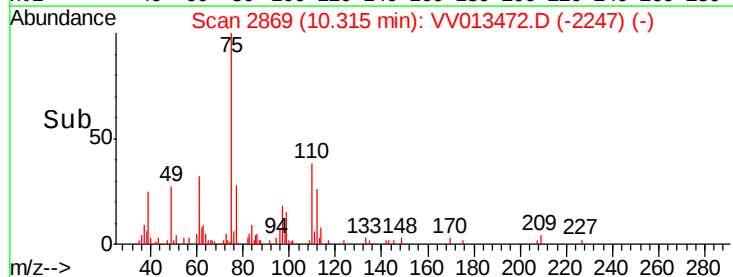
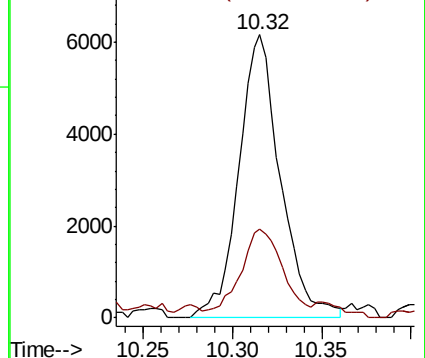
75 100

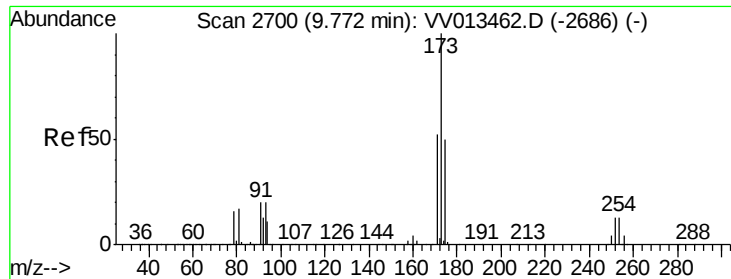
77 27.2 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV013472.D (-2247) (-)

Ion 77.00 (76.70 to 77.70): VV013472.D (-2247) (-)





#62

Bromoform

Concen: 0.915 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV013472.D

Acq: 01 Nov 2019 16:46

Instrument :
MSVOA_V
ClientSampleId :

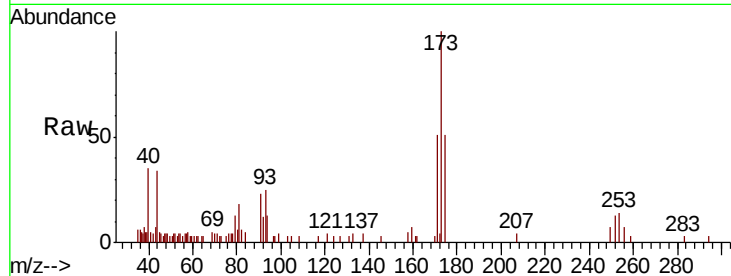
Tot Ion:173 Resp: 6683

Ion Ratio Lower Upper

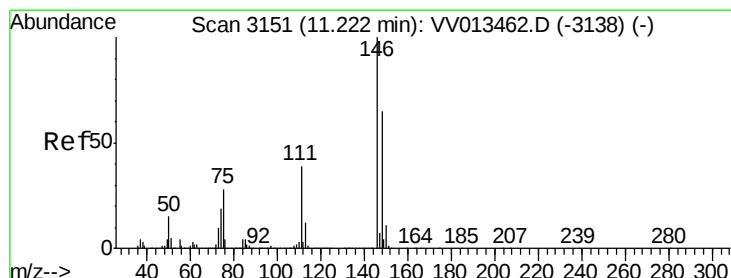
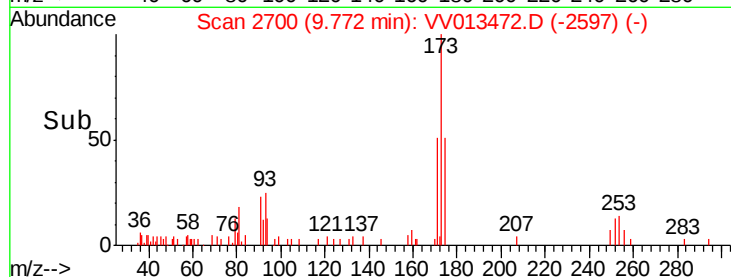
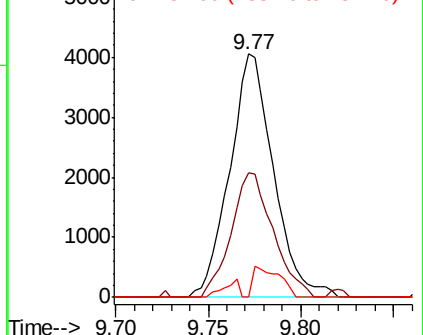
173 100

175 48.9 39.4 59.0

254 5.2 10.1 15.1#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#63

1,3-Dichlorobenzene

Concen: 1.006 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV013472.D

Acq: 01 Nov 2019 16:46

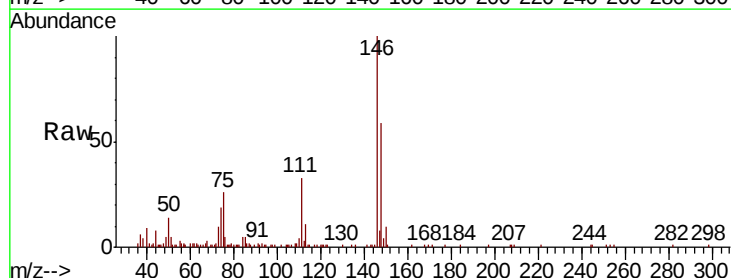
Tgt Ion:146 Resp: 25584

Ion Ratio Lower Upper

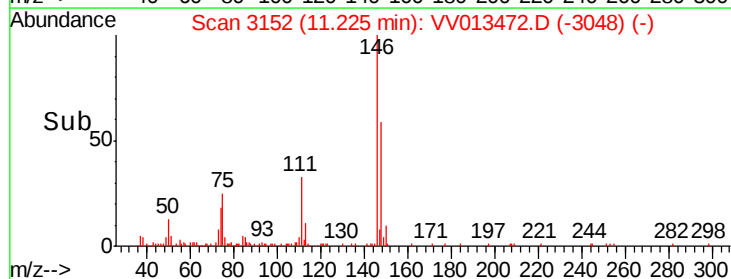
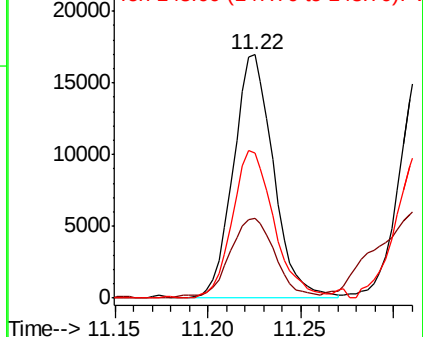
146 100

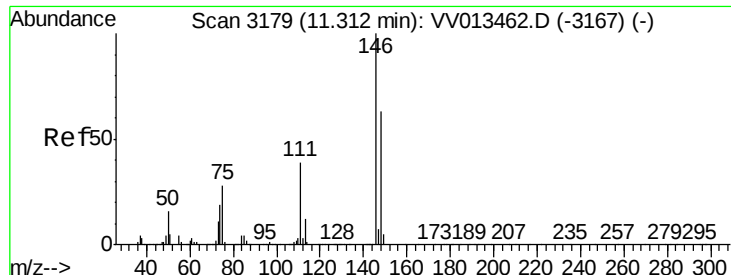
111 32.8 27.1 50.3

148 59.5 45.4 84.2



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 1.023 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV013472.D

Acq: 01 Nov 2019 16:46

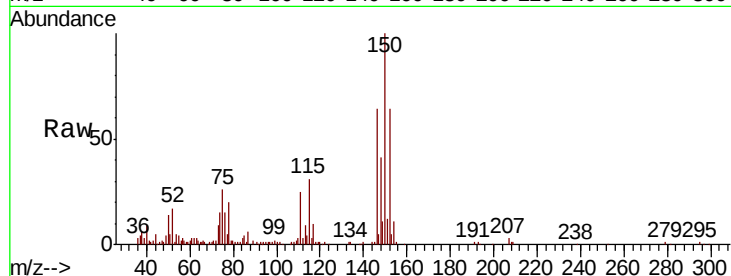
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:146 Resp: 26595

Ion	Ratio	Lower	Upper
146	100		
111	39.8	27.2	50.6
148	64.1	44.4	82.5

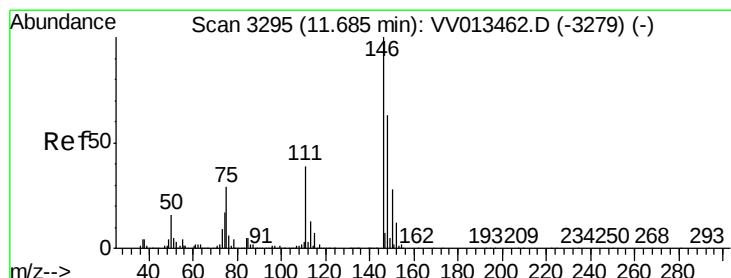
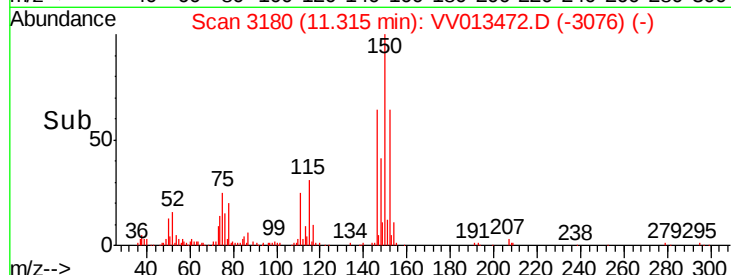
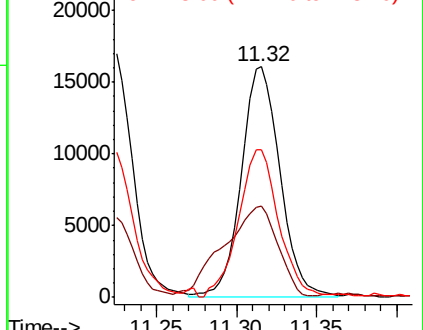


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 1.027 ug/L

RT: 11.68 min Scan# 3295

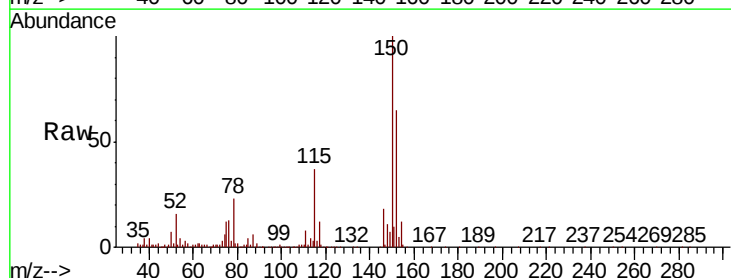
Delta R.T. 0.00 min

Lab File: VV013472.D

Acq: 01 Nov 2019 16:46

Tgt Ion:146 Resp: 24273

Ion	Ratio	Lower	Upper
146	100		
111	42.9	31.4	47.2
148	60.4	50.5	75.7

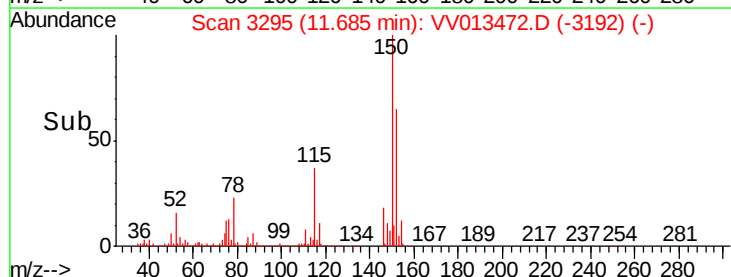
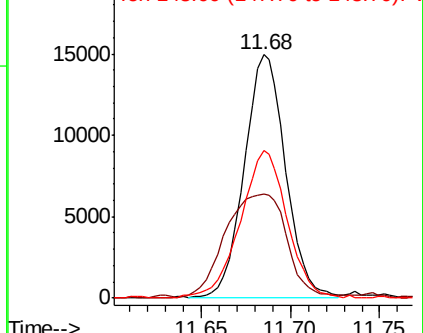


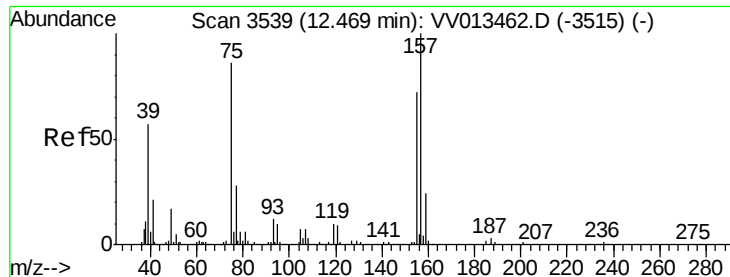
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#66

1,2-Dibromo-3-chloropropane

Concen: 1.016 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV013472.D

Acq: 01 Nov 2019 16:46

Instrument :

MSVOA_V

ClientSampleId :

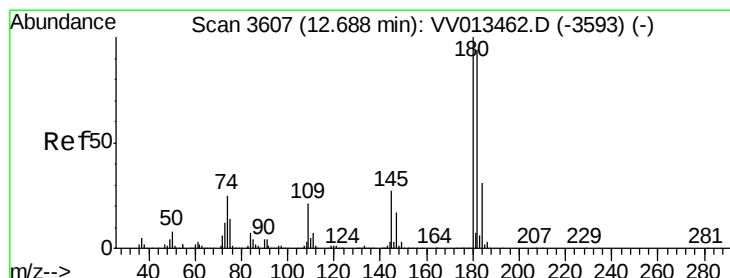
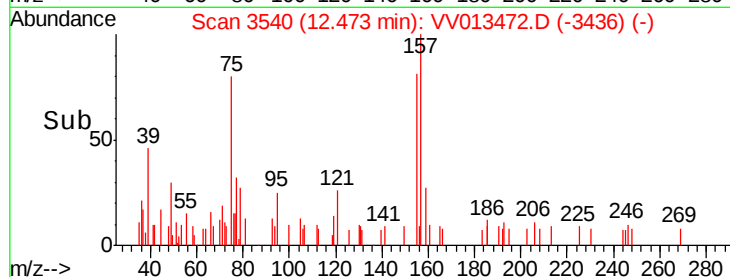
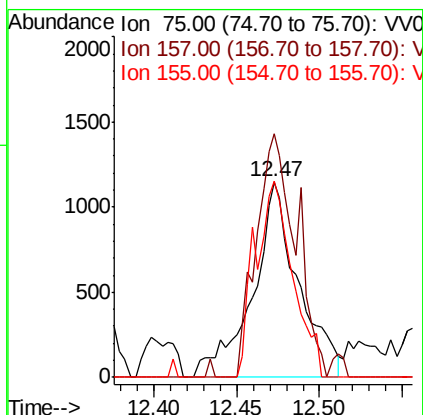
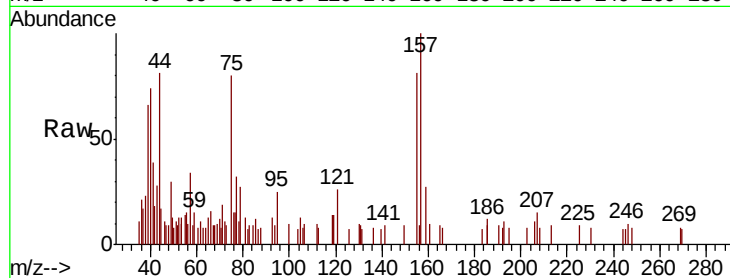
Tot Ion: 75 Resp: 2210

Ion Ratio Lower Upper

75 100

157 124.9 93.2 139.8

155 100.9 66.9 100.3#



#67

1,3,5-Trichlorobenzene

Concen: 1.014 ug/L

RT: 12.69 min Scan# 3608

Delta R.T. 0.00 min

Lab File: VV013472.D

Acq: 01 Nov 2019 16:46

Tgt Ion: 180 Resp: 20397

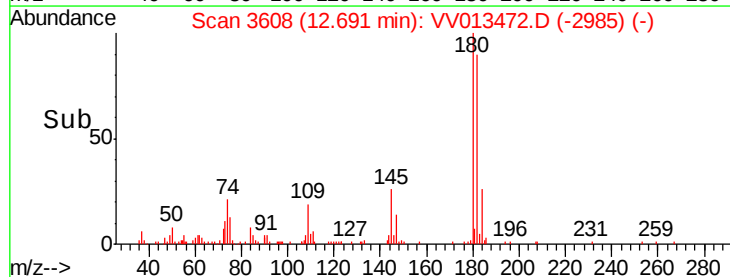
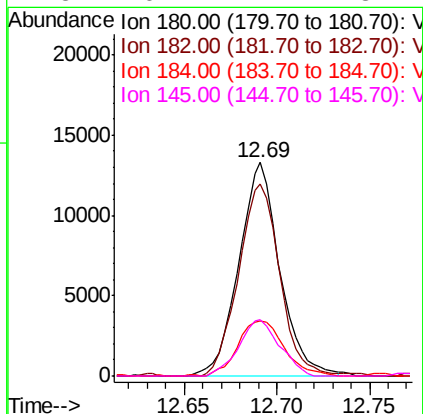
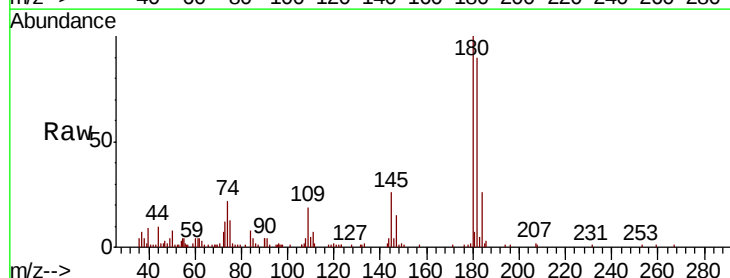
Ion Ratio Lower Upper

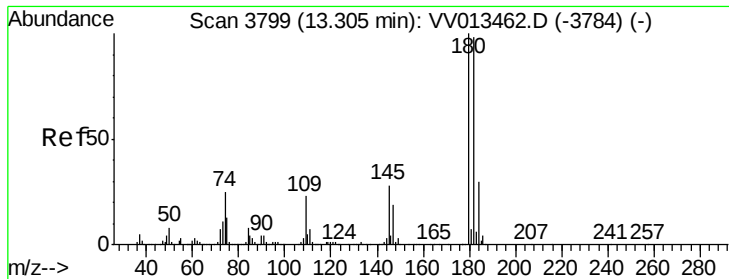
180 100

182 90.6 74.8 112.2

184 29.1 24.3 36.5

145 26.2 21.1 31.7

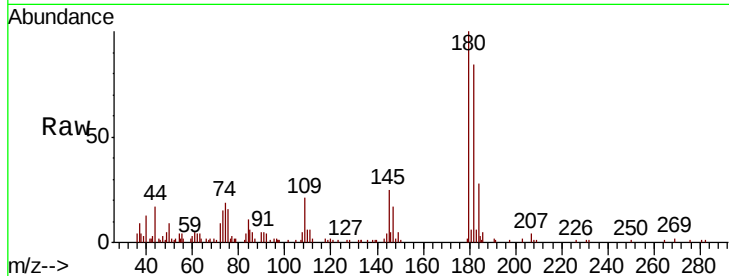




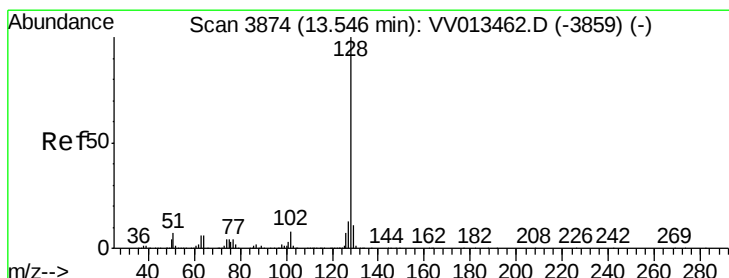
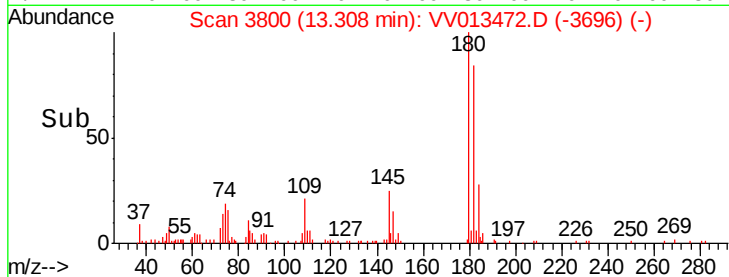
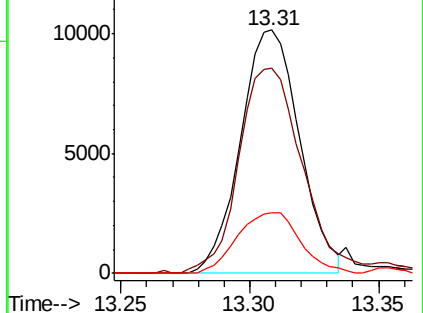
#68
 1,2,4-trichlorobenzene
 Concen: 0.946 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV013472.D
 Acq: 01 Nov 2019 16:46

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 16226
 Ion Ratio Lower Upper
 180 100
 182 89.9 77.4 116.0
 145 26.6 22.3 33.5

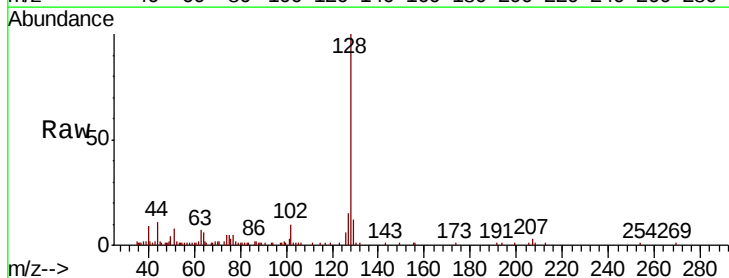


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

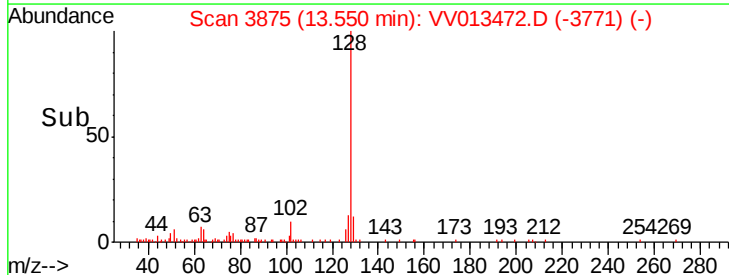
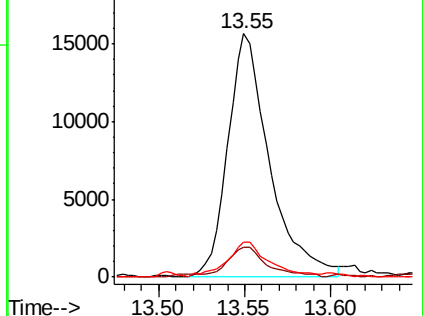


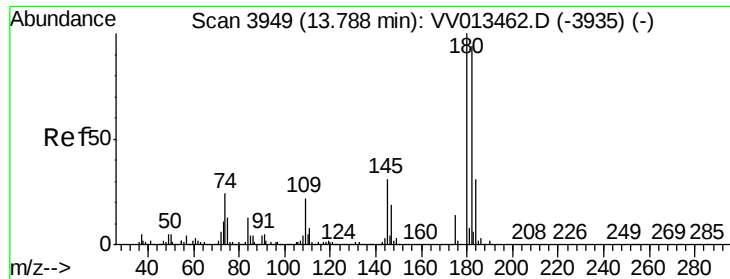
#69
 Naphthalene
 Concen: 0.796 ug/L
 RT: 13.55 min Scan# 3875
 Delta R.T. 0.00 min
 Lab File: VV013472.D
 Acq: 01 Nov 2019 16:46

Tgt Ion:128 Resp: 26392
 Ion Ratio Lower Upper
 128 100
 129 11.9 8.6 13.0
 127 14.2 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#70

1,2,3-Trichlorobenzene

Concen: 0.931 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV013472.D

Acq: 01 Nov 2019 16:46

Instrument :

MSVOA_V

ClientSampleId :

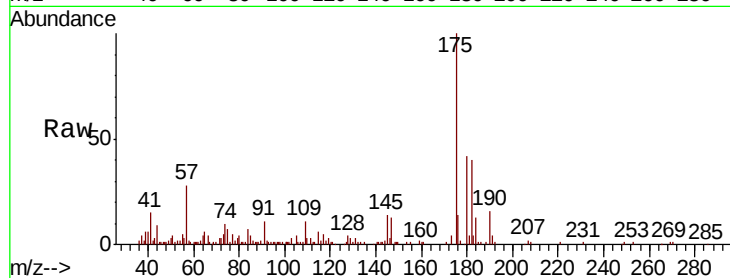
Tot Ion:180 Resp: 14934

Ion Ratio Lower Upper

180 100

182 93.0 75.2 112.8

145 28.1 23.8 35.6



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

