

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110119\
 Data File : VV013464.D
 Acq On : 01 Nov 2019 12:06
 Operator : SY/MD
 Sample : VSTD10066
 Misc : 5.00G/10.0ML/MSVOA V/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 02 03:17:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM110119S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Nov 02 03:13:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	836808	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	807541	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	445559	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	1144146	89.39	ug/L	0.00
7) Chloroethane-d5	1.58	69	753595	74.19	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	1940938	91.12	ug/L	0.00
20) 2-Butanone-d5	3.93	46	1127227	248.36	ug/L	-0.02
24) Chloroform-d	4.39	84	2382516	102.91	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.07	65	1388387	103.72	ug/L	0.00
29) Benzene-d6	5.09	84	4808939	105.62	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.11	67	1501735	105.16	ug/L	0.00
37) Toluene-d8	7.35	98	4426488	107.78	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	697038	115.97	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	793813	279.67	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.25	84	1410588	106.64	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	1741371	100.38	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	1099278	116.724	ug/L	99
3) Chloromethane	1.25	50	1198052	100.355	ug/L	98
5) Vinyl chloride	1.32	62	1173554	99.776	ug/L	98
6) Bromomethane	1.53	94	611190	86.136	ug/L	99
8) Chloroethane	1.60	64	563325	80.004	ug/L	99
9) Trichlorofluoromethane	1.76	101	1610776	100.837	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	965158	94.844	ug/L	99
12) 1,1-Dichloroethene	2.14	96	920836	97.783	ug/L	99
13) Acetone	2.20	43	916533	197.570	ug/L	98
14) Carbon disulfide	2.31	76	3689012	117.276	ug/L	99
15) Methyl Acetate	2.46	43	953916	125.614	ug/L	99
16) Methylene chloride	2.53	84	1300987	102.352	ug/L	97
17) Methyl tert-butyl Ether	2.80	73	3379006	119.722	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	1275026	111.034	ug/L	97
19) 1,1-Dichloroethane	3.22	63	2345094	111.927	ug/L	99
21) 2-Butanone	4.01	43	1391255	253.071	ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	1415276	113.764	ug/L	99
23) Bromochloromethane	4.29	128	674705	110.289	ug/L	98
25) Chloroform	4.42	83	2338630	107.177	ug/L	100
27) 1,2-Dichloroethane	5.17	62	1715394	111.666	ug/L	100
30) Cyclohexane	4.72	56	2221086	122.993	ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	1962741	117.687	ug/L	98
32) Carbon tetrachloride	4.87	117	1769897	117.085	ug/L	99
34) Benzene	5.14	78	5168805	112.531	ug/L	100
35) Trichloroethene	5.96	95	1388931	109.050	ug/L	99
36) Methylcyclohexane	6.17	83	2282334	116.073	ug/L	98
40) 1,2-Dichloropropane	6.22	63	1326392	111.584	ug/L	100
41) Bromodichloromethane	6.55	83	1749765	115.098	ug/L	100
42) cis-1,3-Dichloropropene	7.06	75	2200512	126.873	ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	2534540	257.785	ug/L	97

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 ALS Vial : 7 Sample Multiplier: 1

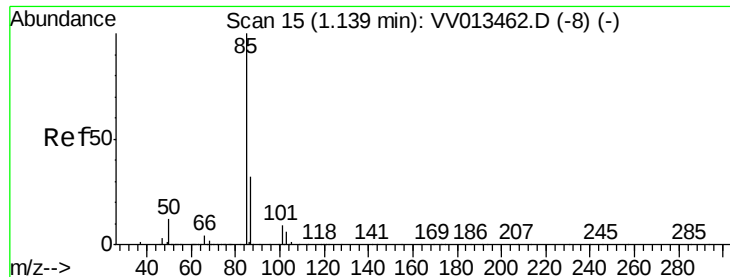
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 02 03:17:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM110119S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Nov 02 03:13:10 2019
 Response via : Initial Calibration

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

44) Toluene	7.43	91	5379381	111.953	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	1846148	125.104	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	1078122	108.654	ug/L	99
47) Tetrachloroethene	8.01	164	1177143	112.331	ug/L	96
49) 2-Hexanone	8.18	43	1938824	265.616	ug/L	99
50) Dibromochloromethane	8.29	129	1338228	116.067	ug/L	100
51) 1,2-Dibromoethane	8.39	107	1126300	114.865	ug/L	99
52) Chlorobenzene	8.92	112	3527495	106.287	ug/L	100
53) Ethylbenzene	9.05	91	5988431	112.354	ug/L	98
54) m,p-Xylene	9.18	106	2334105	115.663	ug/L	97
55) o-xylene	9.58	106	2232719	117.100	ug/L	94
56) Styrene	9.60	104	3885276	115.997	ug/L	100
57) Isopropylbenzene	9.97	105	5954641	117.209	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	1411535	115.195	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	1149190	113.129	ug/L	99
62) Bromoform	9.77	173	949148	122.904	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	3016369	108.440	ug/L	100
64) 1,4-Dichlorobenzene	11.31	146	3036143	104.681	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	2792708	105.966	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	283790	123.294	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	2494220	113.909	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	2228006	118.225	ug/L	99
69) Naphthalene	13.55	128	4681523	125.419	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	2040053	112.572	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 116.724 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV013464.D

Acq: 01 Nov 2019 12:06

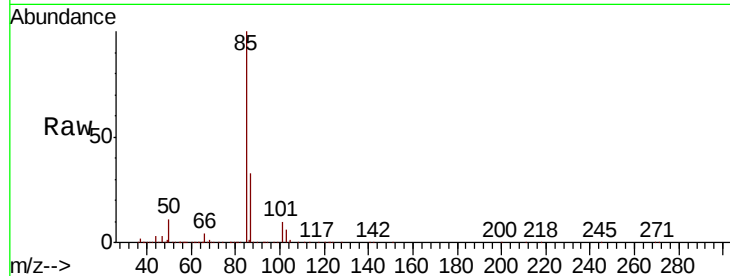
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 1099278

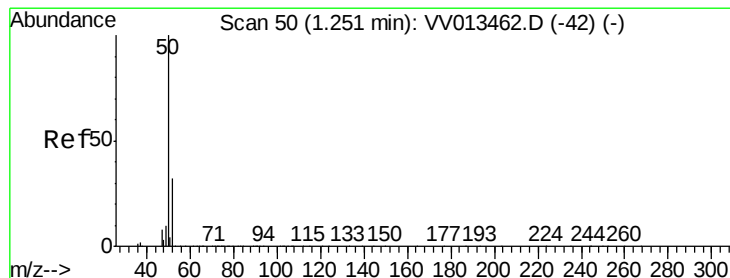
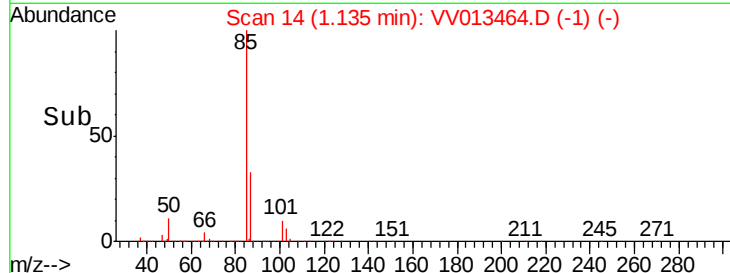
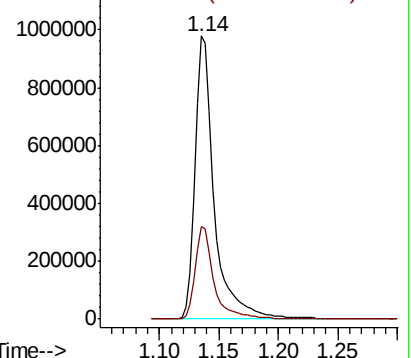
Ion Ratio Lower Upper

85 100

87 32.3 22.2 41.2



Abundance Ion 85.00 (84.70 to 85.70): VV0
Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 100.355 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV013464.D

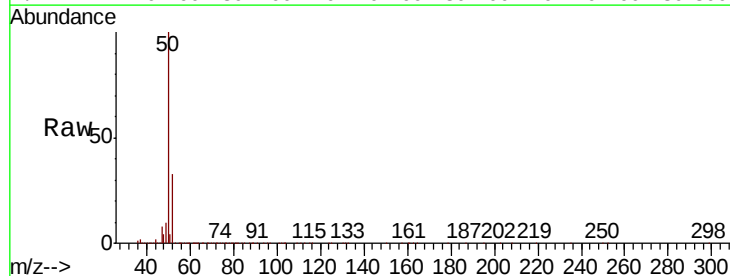
Acq: 01 Nov 2019 12:06

Tgt Ion: 50 Resp: 1198052

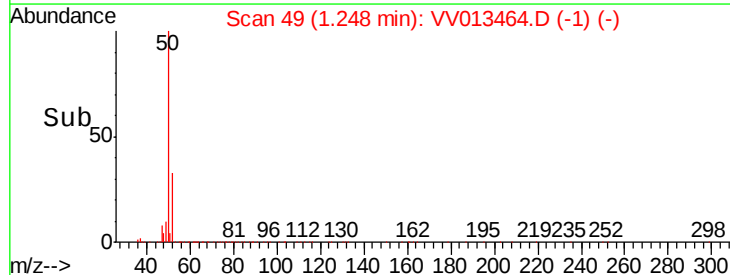
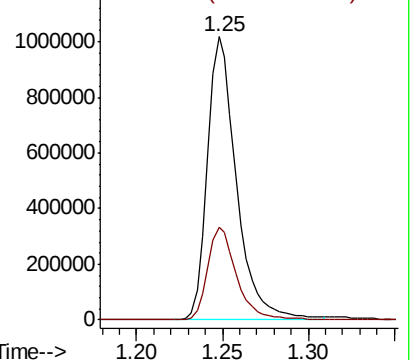
Ion Ratio Lower Upper

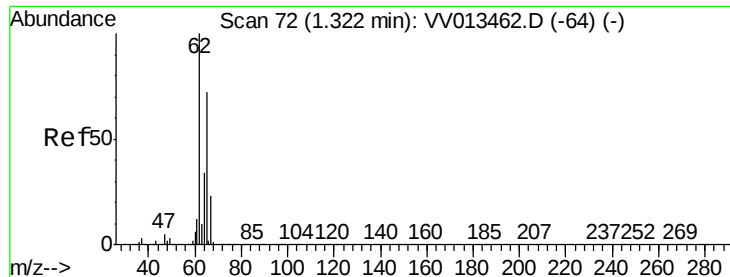
50 100

52 32.9 22.2 41.2



Abundance Ion 50.00 (49.70 to 50.70): VV0
Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 99.776 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

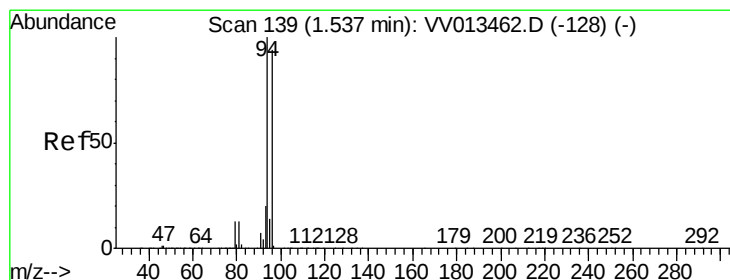
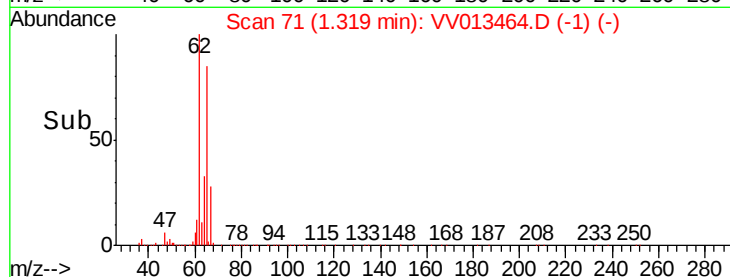
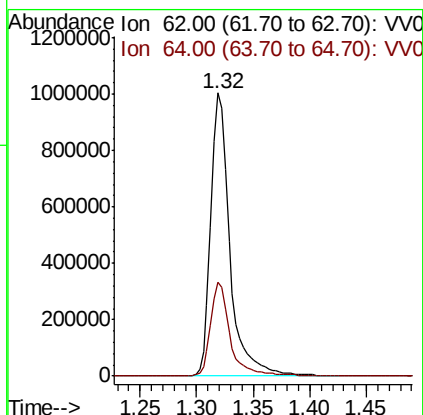
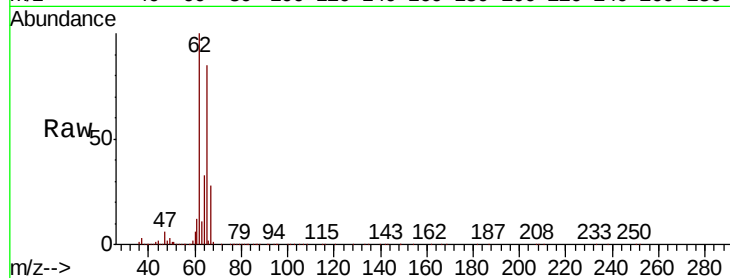
Lab File: VV013464.D

Acq: 01 Nov 2019 12:06

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 1173554

Ion	Ratio	Lower	Upper
62	100		
64	33.0	23.8	44.2



#6

Bromomethane

Concen: 86.136 ug/L

RT: 1.53 min Scan# 138

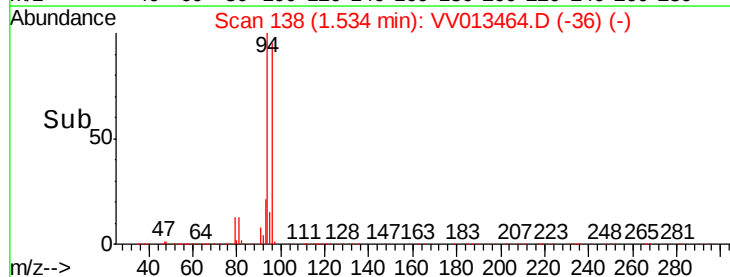
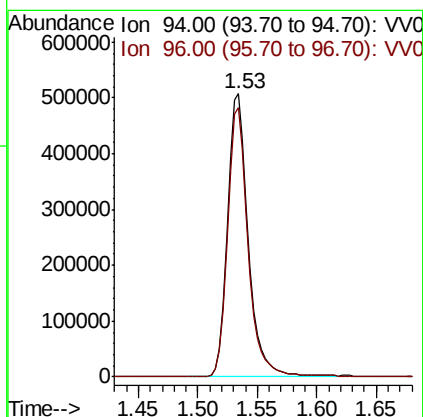
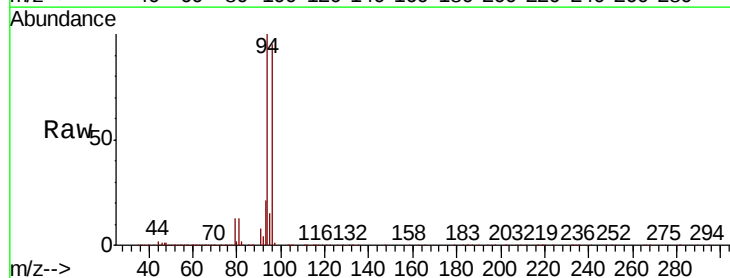
Delta R.T. -0.00 min

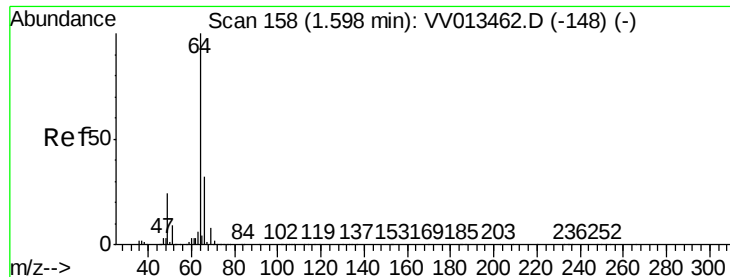
Lab File: VV013464.D

Acq: 01 Nov 2019 12:06

Tgt Ion: 94 Resp: 611190

Ion	Ratio	Lower	Upper
94	100		
96	94.4	9.4	177.8





#8

Chloroethane

Concen: 80.004 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV013464.D

Acq: 01 Nov 2019 12:06

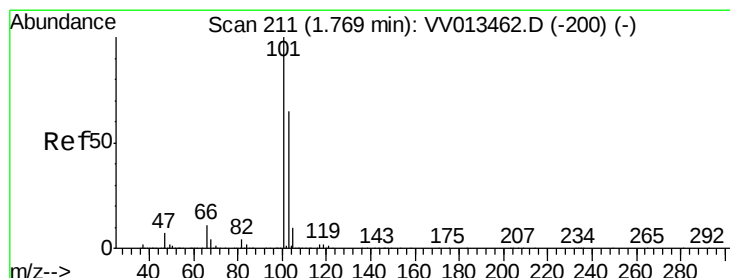
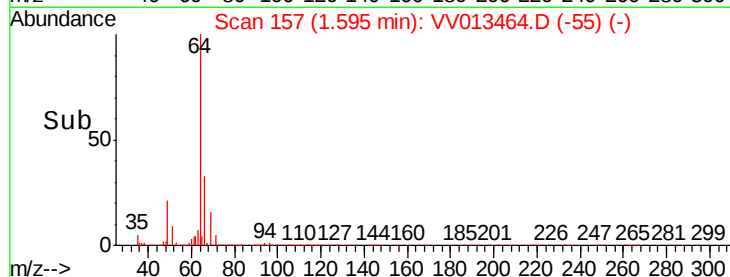
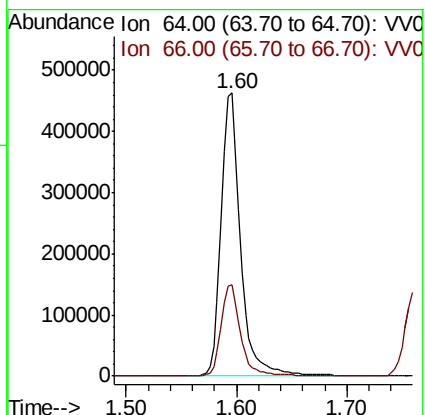
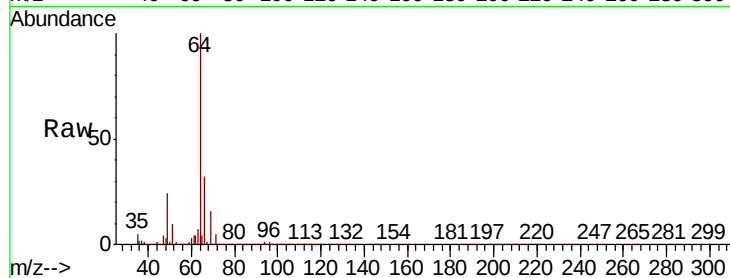
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 563325

Ion Ratio Lower Upper

64 100

66 32.5 22.3 41.3



#9

Trichlorofluoromethane

Concen: 100.837 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.01 min

Lab File: VV013464.D

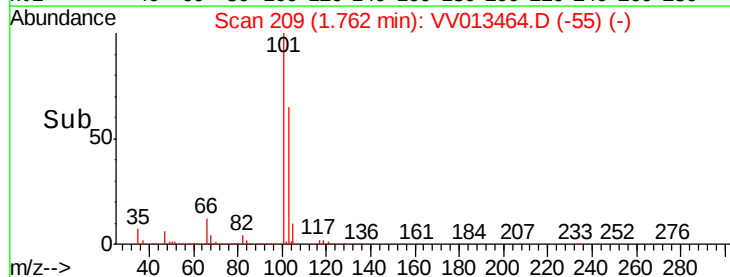
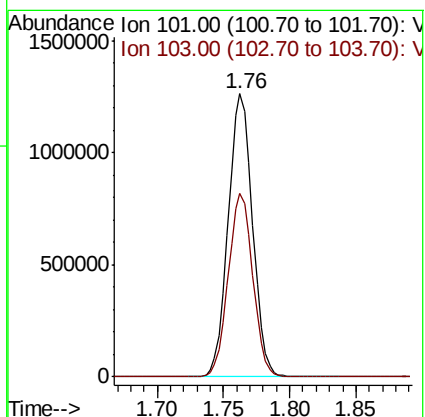
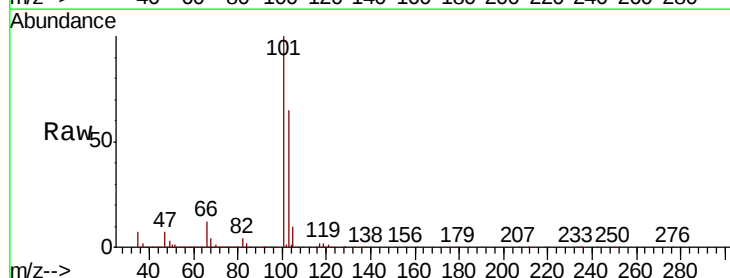
Acq: 01 Nov 2019 12:06

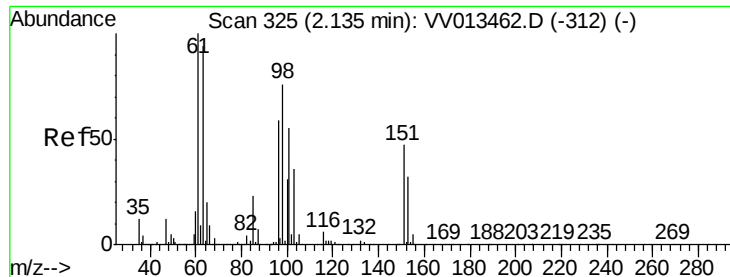
Tgt Ion: 101 Resp: 1610776

Ion Ratio Lower Upper

101 100

103 65.2 45.1 83.9





#11

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

Concen: 94.844 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV013464.D

Acq: 01 Nov 2019 12:06

Instrument :

MSVOA_V

ClientSampleId :

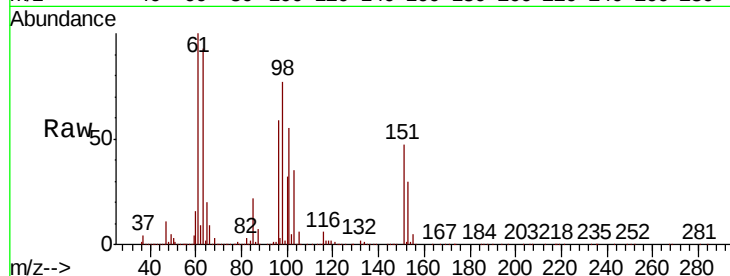
Tot Ion:101 Resp: 965158

Ion Ratio Lower Upper

101 100

85 40.7 33.1 49.7

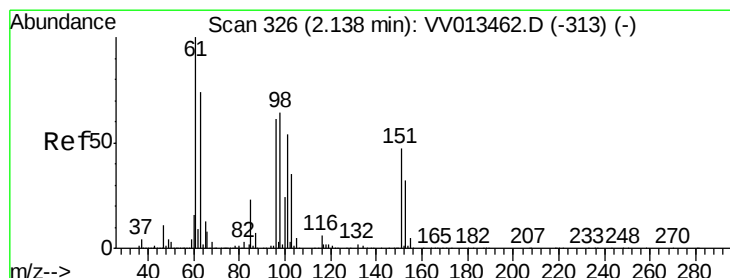
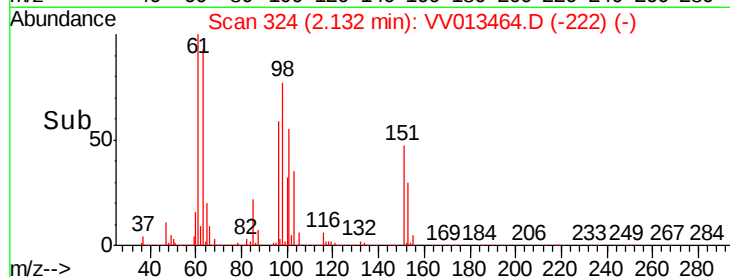
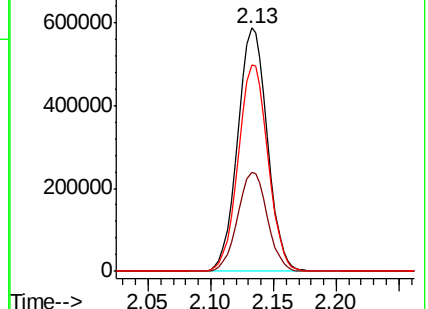
151 85.2 68.3 102.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 97.783 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013464.D

Acq: 01 Nov 2019 12:06

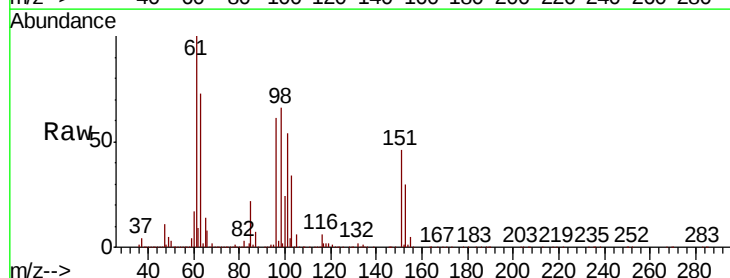
Tgt Ion: 96 Resp: 920836

Ion Ratio Lower Upper

96 100

61 165.1 114.7 212.9

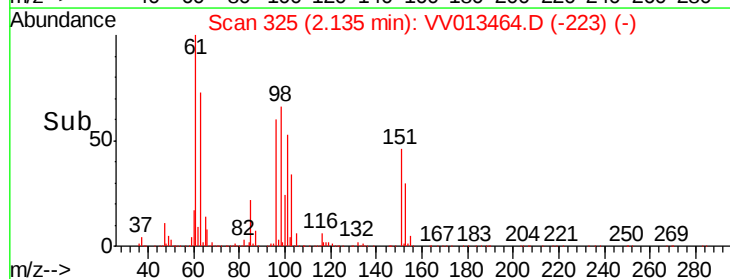
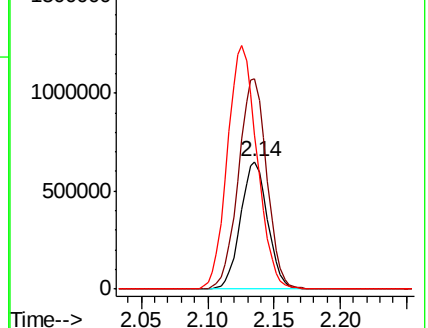
63 120.8 84.7 157.3

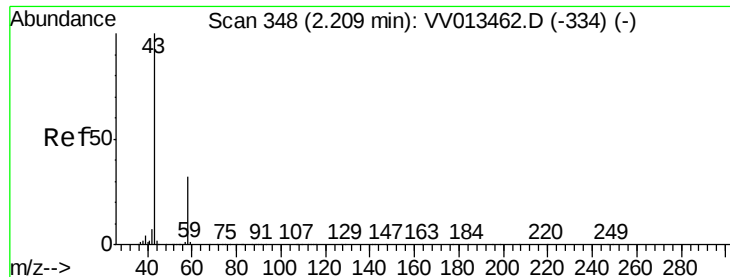


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 197.570 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.01 min

Lab File: VV013464.D

Acq: 01 Nov 2019 12:06

Instrument :

MSVOA_V

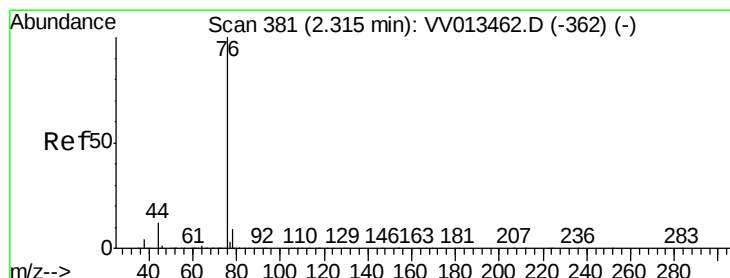
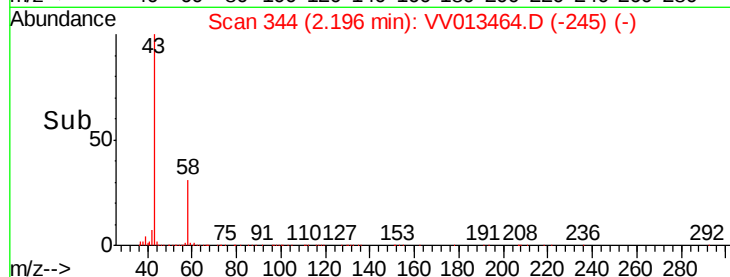
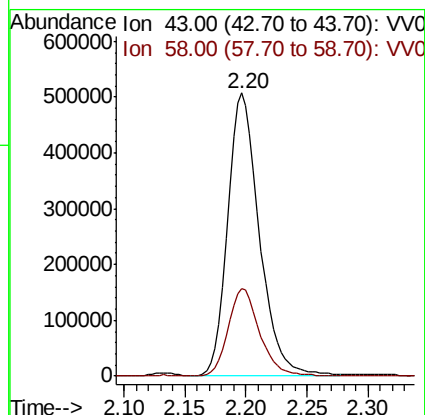
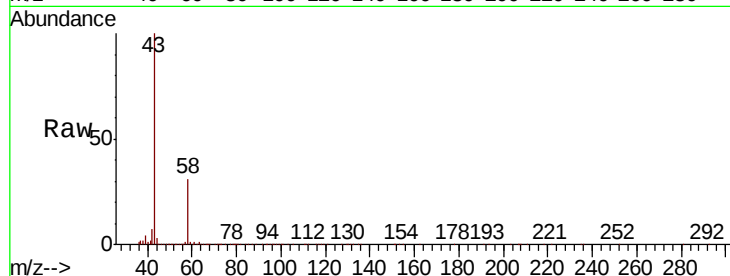
ClientSampleId :

Tot Ion: 43 Resp: 916533

Ion Ratio Lower Upper

43 100

58 30.7 0.0 63.2



#14

Carbon disulfide

Concen: 117.276 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV013464.D

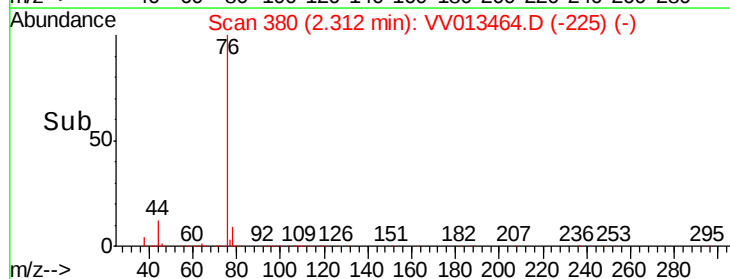
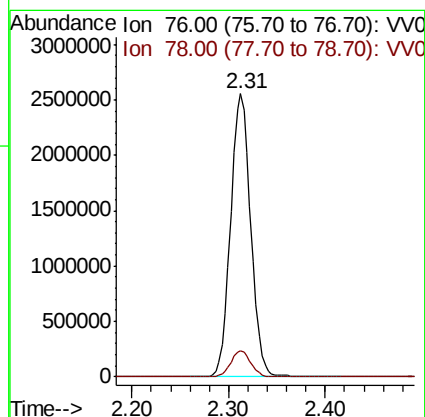
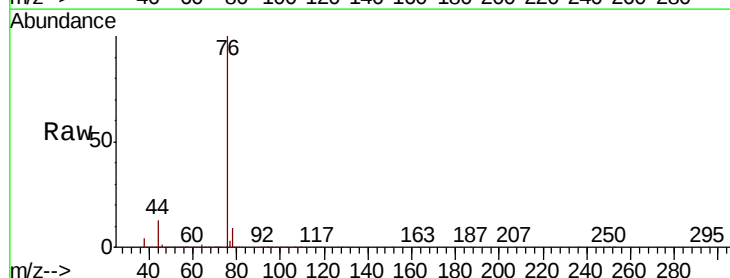
Acq: 01 Nov 2019 12:06

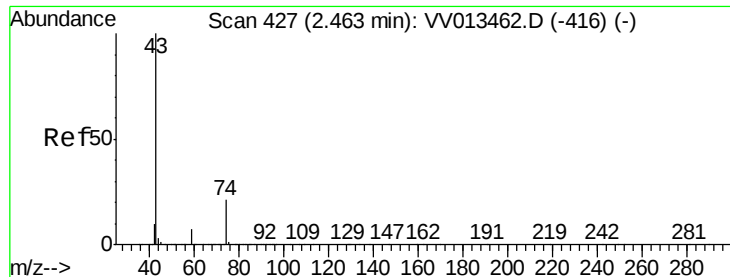
Tgt Ion: 76 Resp: 3689012

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7

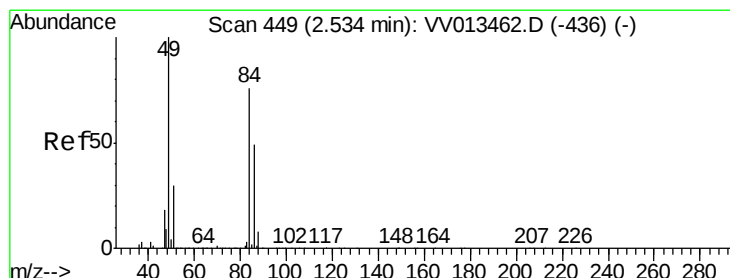
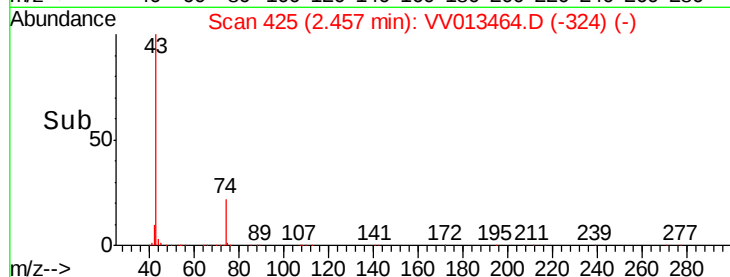
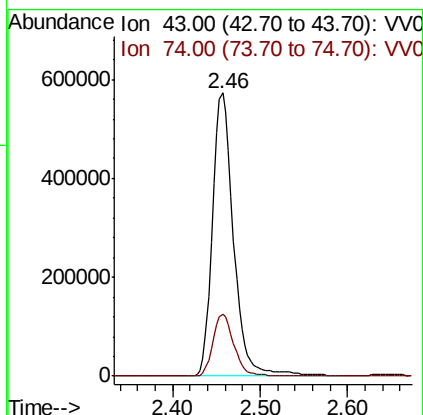
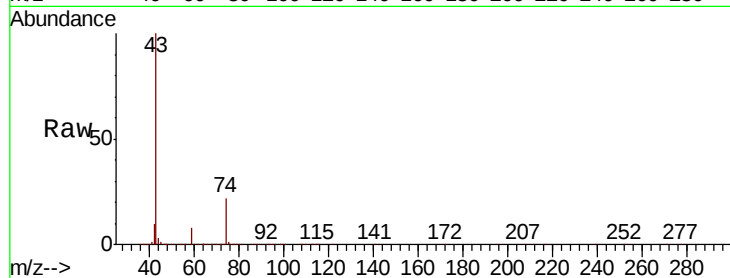




#15
Methvl Acetate
Concen: 125.614 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.01 min
Lab File: VV013464.D
Acq: 01 Nov 2019 12:06

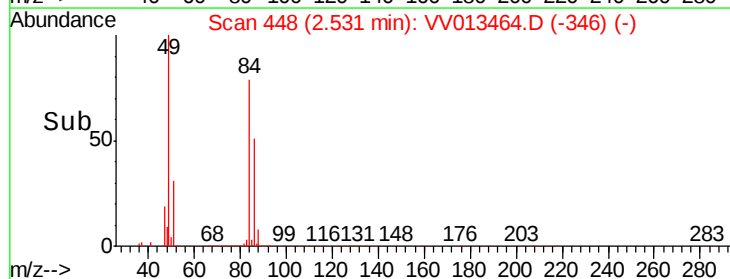
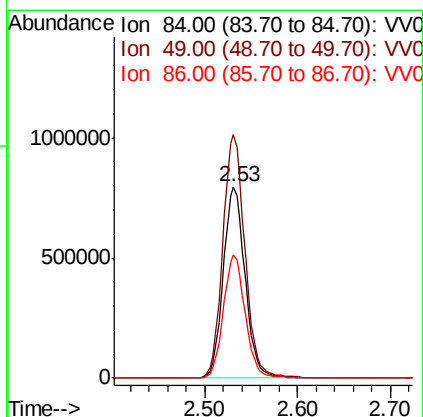
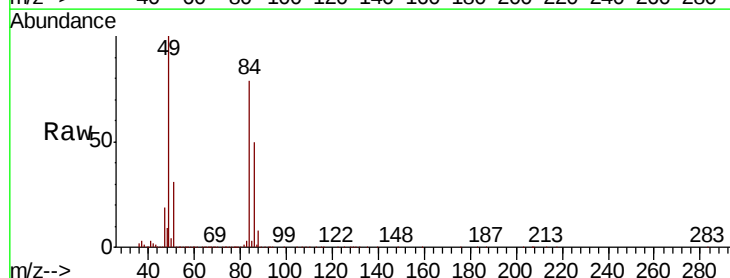
Instrument :
MSVOA_V
ClientSampleId :

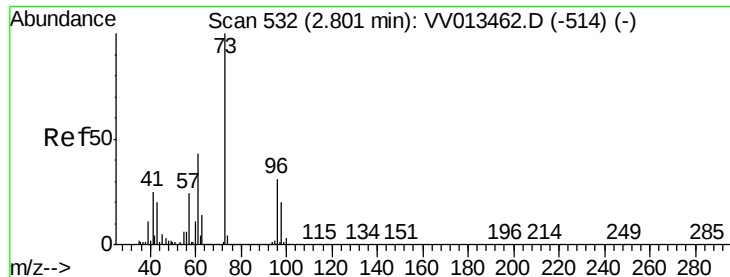
Tot Ion: 43 Resp: 953916
Ion Ratio Lower Upper
43 100
74 21.8 16.9 25.3



#16
Methylene chloride
Concen: 102.352 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV013464.D
Acq: 01 Nov 2019 12:06

Tgt Ion: 84 Resp: 1300987
Ion Ratio Lower Upper
84 100
49 127.4 92.4 171.6
86 64.3 45.1 83.7



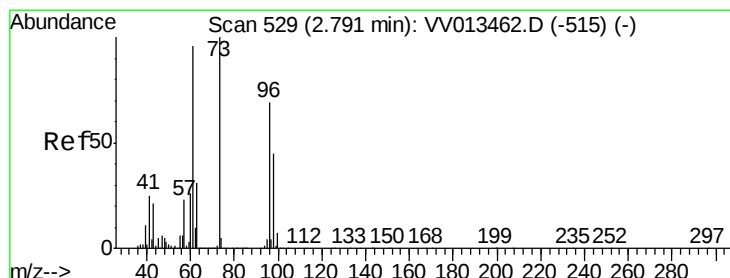
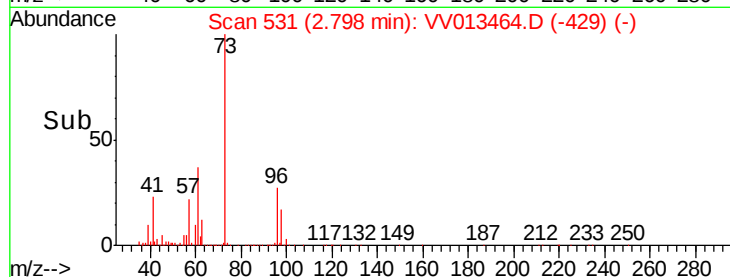
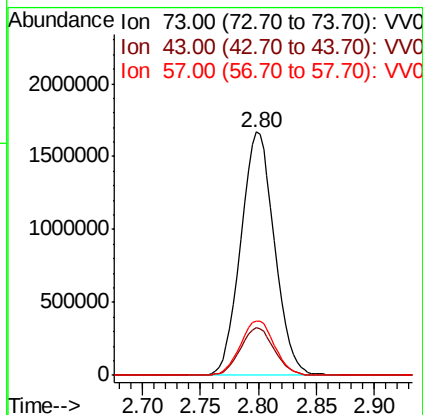
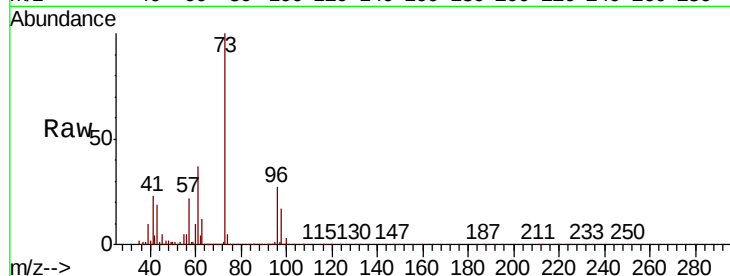


#17

Methvl tert-butvl Ether
Concen: 119.722 ug/L
RT: 2.80 min Scan# 531
Delta R.T. -0.00 min
Lab File: VV013464.D
Acq: 01 Nov 2019 12:06

Instrument :
MSVOA_V
ClientSampleId :

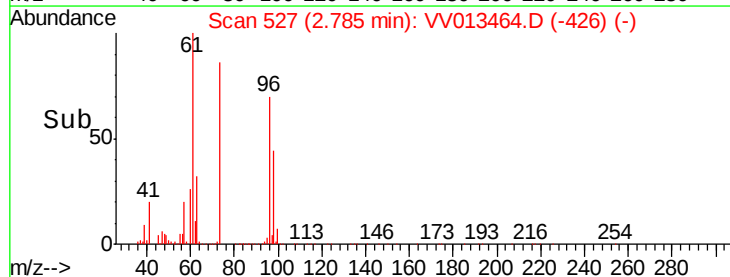
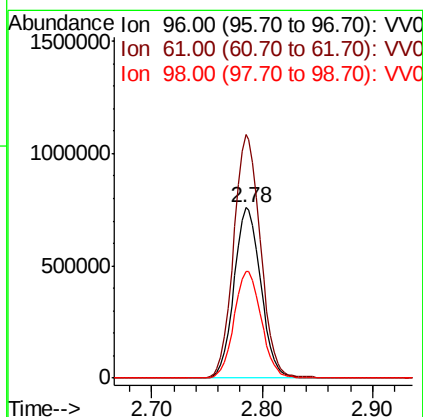
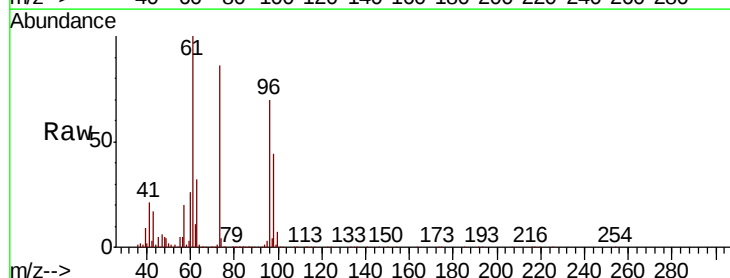
Tot Ion: 73 Resp: 3379006
Ion Ratio Lower Upper
73 100
43 19.6 16.2 24.2
57 22.9 18.6 27.8

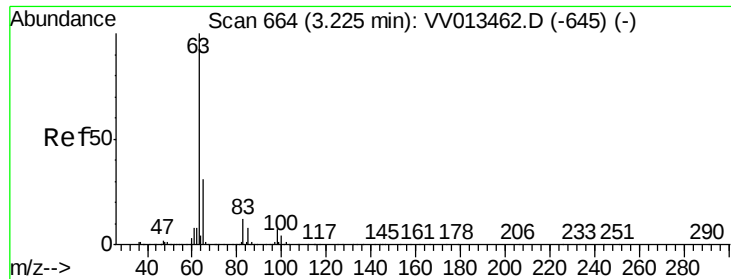


#18

trans-1,2-Dichloroethene
Concen: 111.034 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.01 min
Lab File: VV013464.D
Acq: 01 Nov 2019 12:06

Tgt Ion: 96 Resp: 1275026
Ion Ratio Lower Upper
96 100
61 143.1 98.0 182.0
98 63.0 45.6 84.8





#19

1,1-Dichloroethane

Concen: 111.927 ug/L

RT: 3.22 min Scan# 663

Delta R.T. -0.00 min

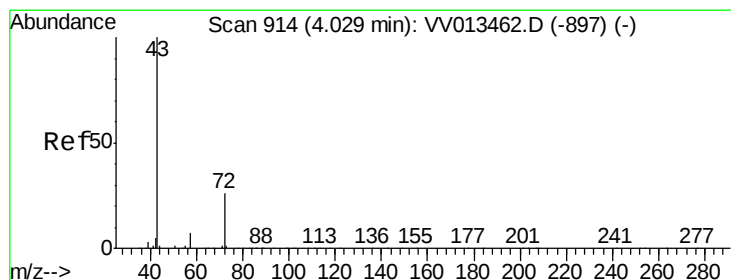
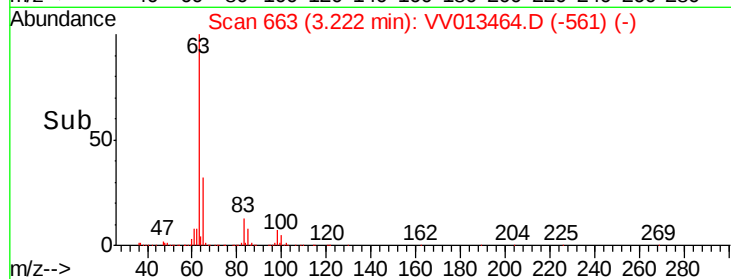
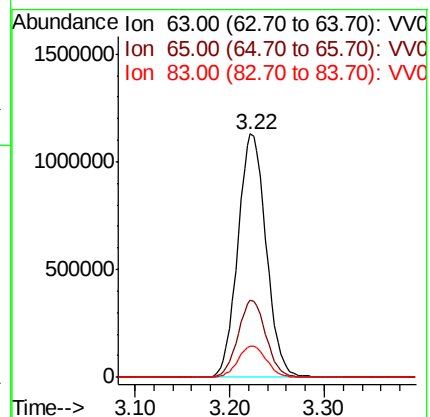
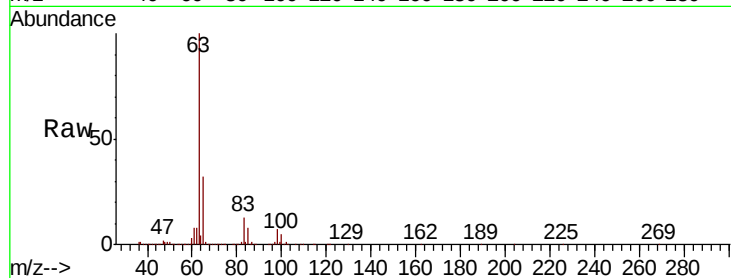
Lab File: VV013464.D

Acq: 01 Nov 2019 12:06

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 2345094

Ion	Ratio	Lower	Upper
63	100		
65	31.6	21.7	40.3
83	13.0	8.8	16.3



#21

2-Butanone

Concen: 253.071 ug/L

RT: 4.01 min Scan# 908

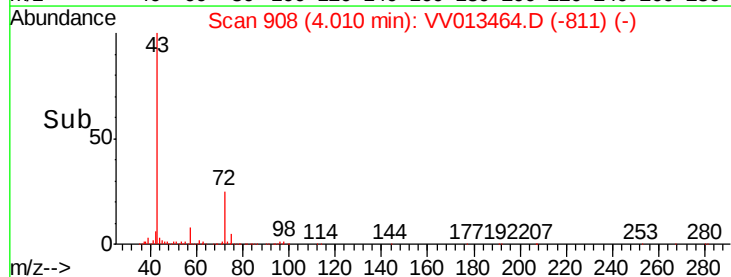
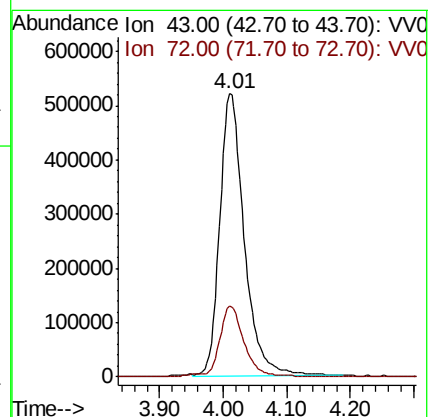
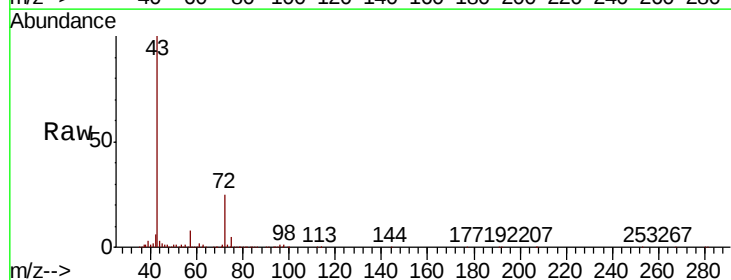
Delta R.T. -0.02 min

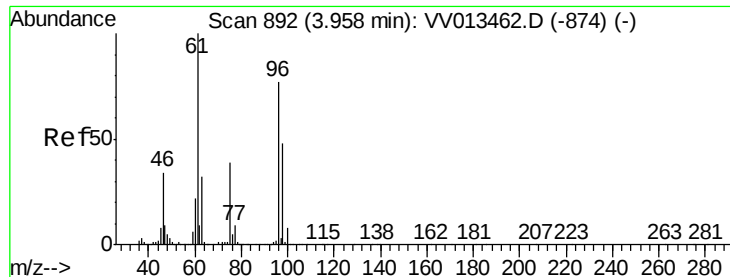
Lab File: VV013464.D

Acq: 01 Nov 2019 12:06

Tgt Ion: 43 Resp: 1391255

Ion	Ratio	Lower	Upper
43	100		
72	24.0	12.1	36.3



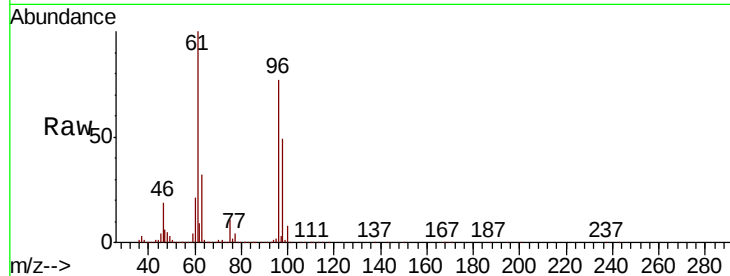


#22

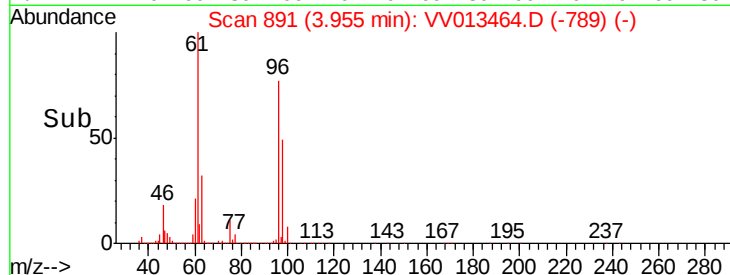
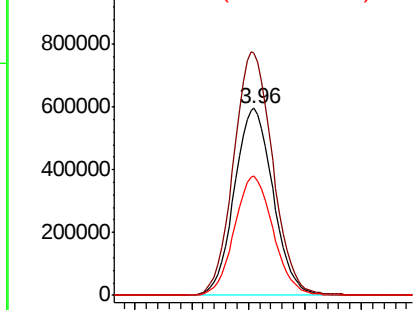
cis-1,2-Dichloroethene
Concen: 113.764 ug/L
RT: 3.96 min Scan# 891
Delta R.T. -0.00 min
Lab File: VV013464.D
Acq: 01 Nov 2019 12:06

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 1415276
Ion Ratio Lower Upper
96 100
61 129.7 91.5 169.9
98 63.6 43.8 81.3



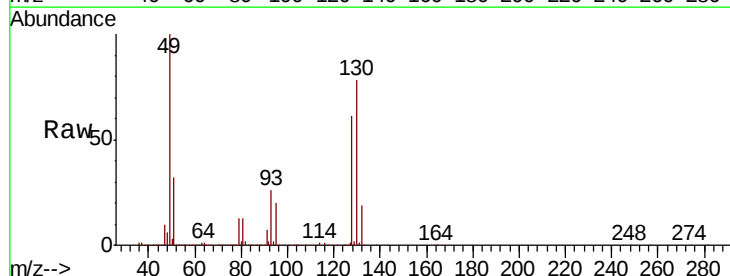
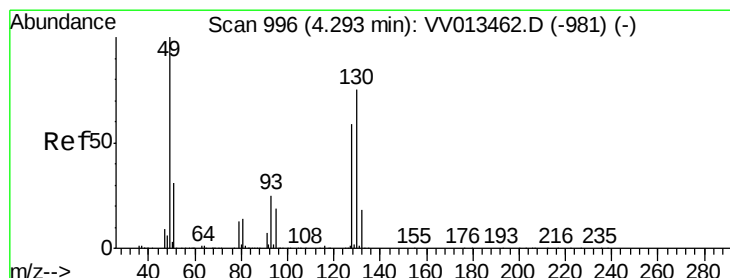
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



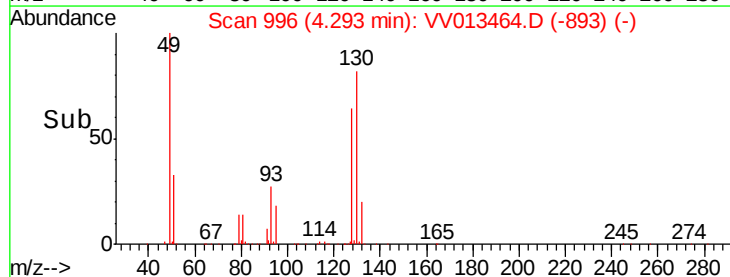
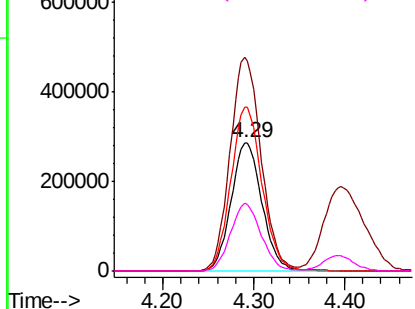
#23

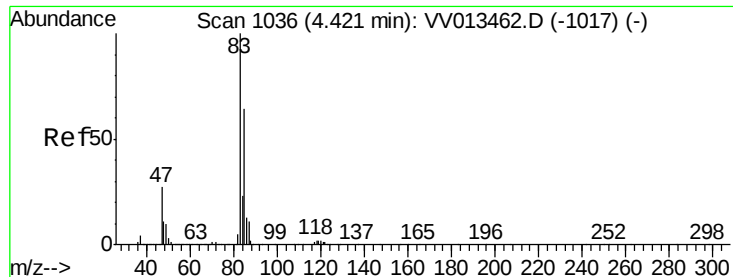
Bromochloromethane
Concen: 110.289 ug/L
RT: 4.29 min Scan# 996
Delta R.T. 0.00 min
Lab File: VV013464.D
Acq: 01 Nov 2019 12:06

Tgt Ion:128 Resp: 674705
Ion Ratio Lower Upper
128 100
49 164.0 118.2 219.4
130 128.0 89.0 165.4
51 52.1 42.2 63.4



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VV0
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VV0





#25

Chloroform

Concen: 107.177 ug/L

RT: 4.42 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VV013464.D

Acq: 01 Nov 2019 12:06

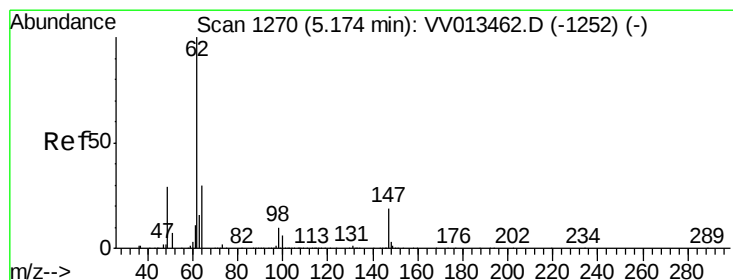
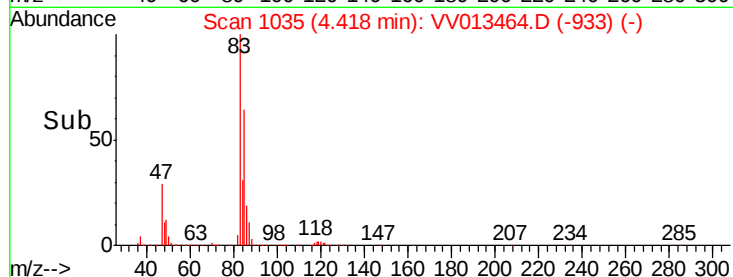
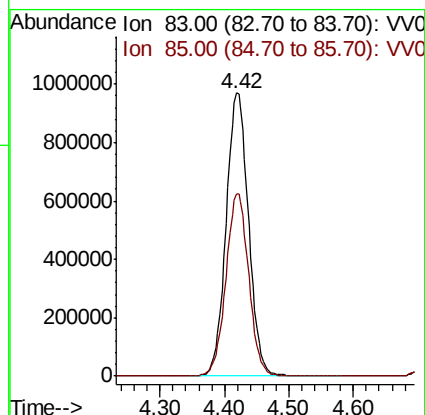
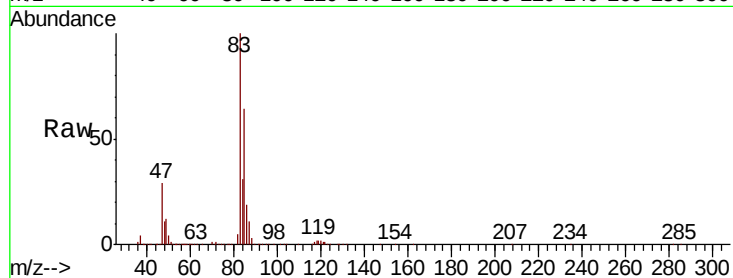
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 2338630

Ion Ratio Lower Upper

83 100

85 65.7 45.8 85.0



#27

1,2-Dichloroethane

Concen: 111.666 ug/L

RT: 5.17 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VV013464.D

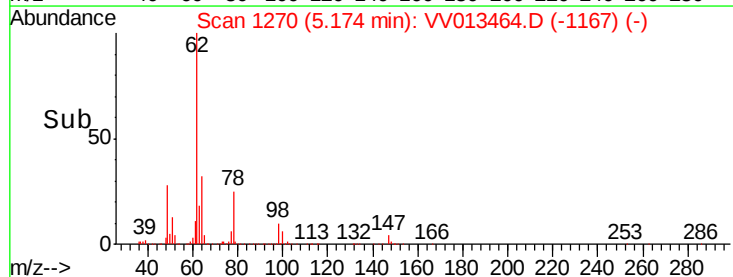
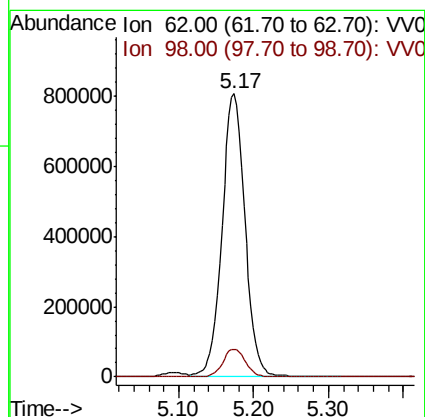
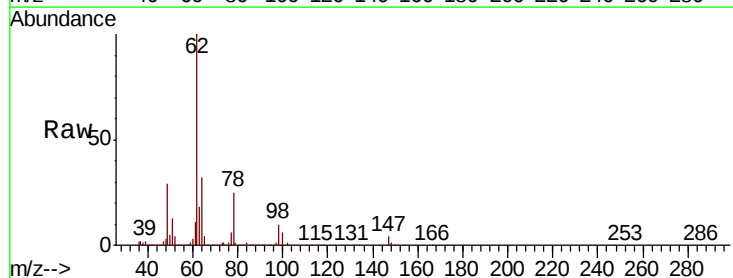
Acq: 01 Nov 2019 12:06

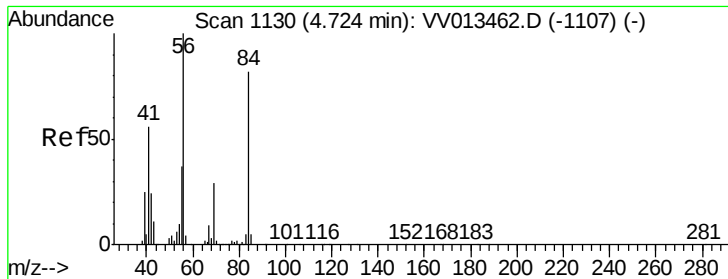
Tgt Ion: 62 Resp: 1715394

Ion Ratio Lower Upper

62 100

98 9.9 7.8 11.6

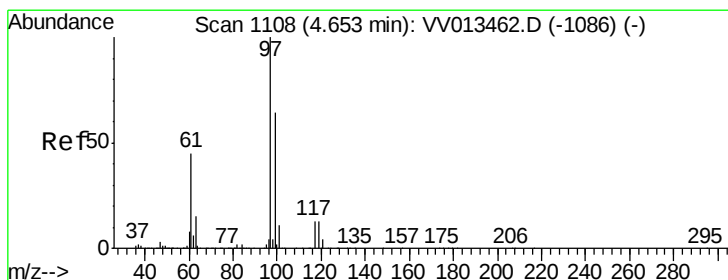
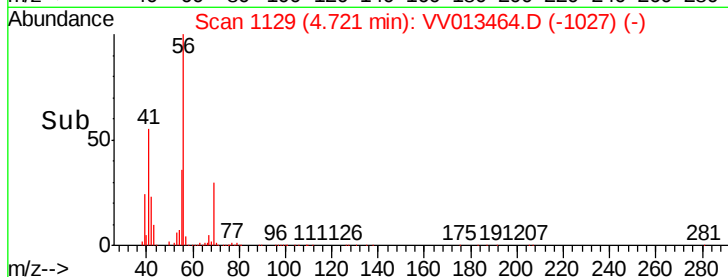
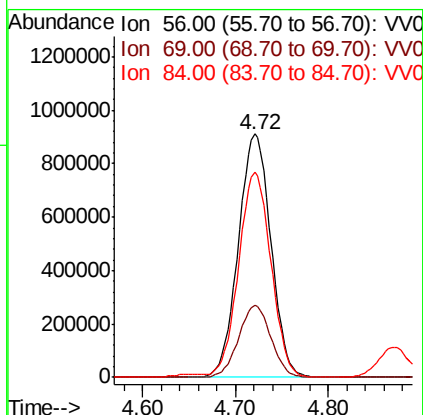
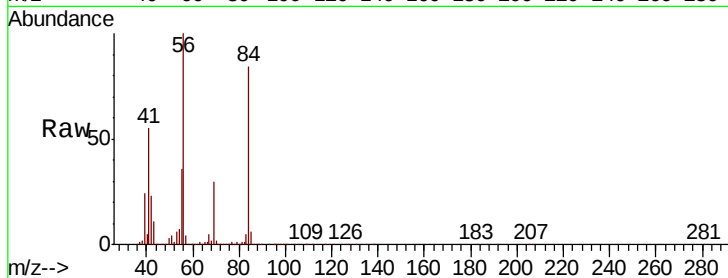




#30
Cyclohexane
Concen: 122.993 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VV013464.D
Acq: 01 Nov 2019 12:06

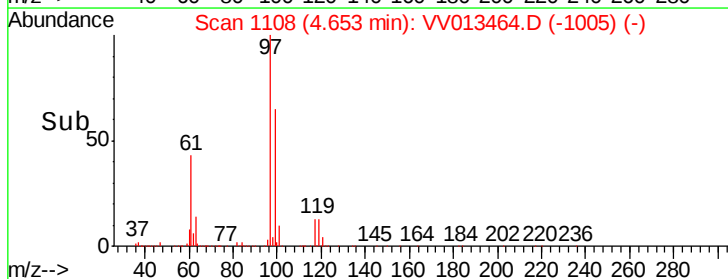
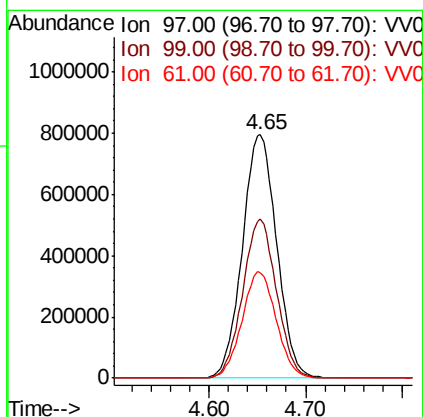
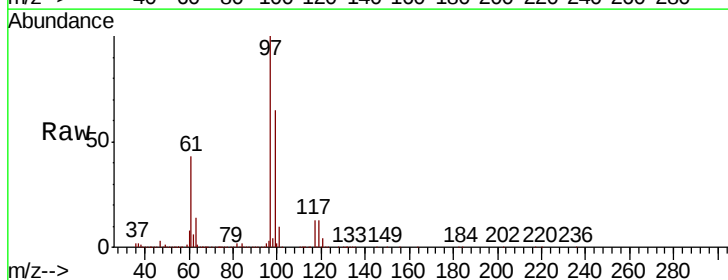
Instrument :
MSVOA_V
ClientSampleId :

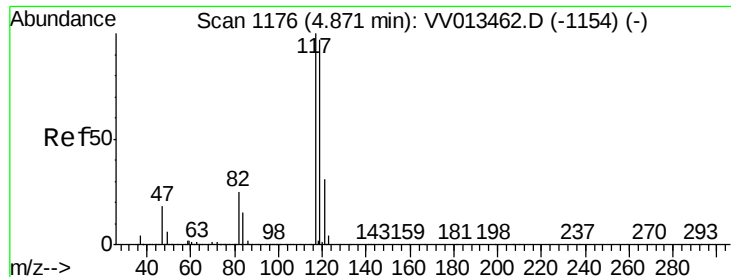
Tot Ion: 56 Resp: 2221086
Ion Ratio Lower Upper
56 100
69 29.4 23.0 34.6
84 83.9 66.2 99.4



#31
1,1,1-Trichloroethane
Concen: 117.687 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VV013464.D
Acq: 01 Nov 2019 12:06

Tgt Ion: 97 Resp: 1962741
Ion Ratio Lower Upper
97 100
99 64.5 51.1 76.7
61 43.7 36.3 54.5



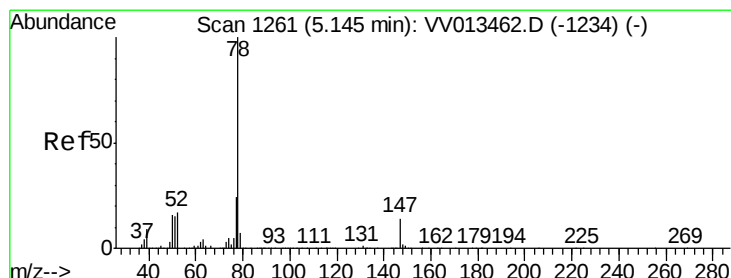
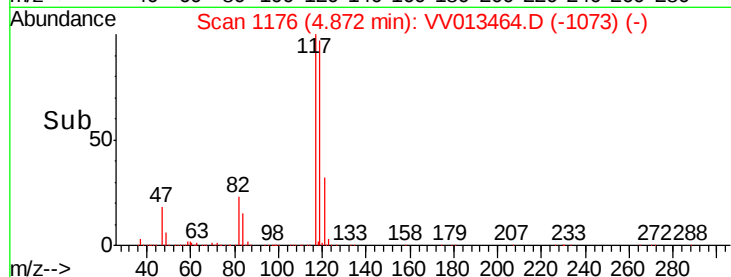
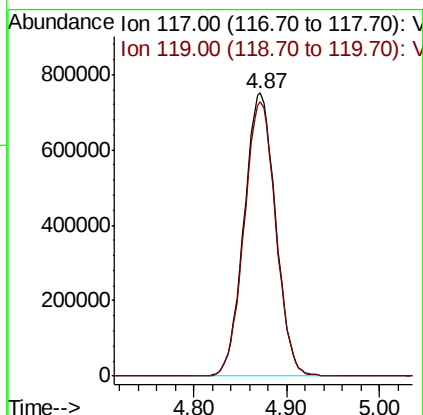
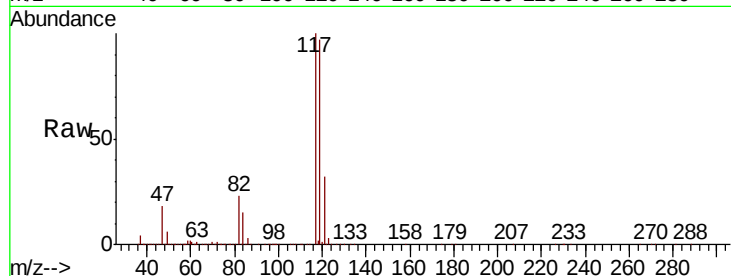


#32

Carbon tetrachloride
Concen: 117.085 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VV013464.D
Acq: 01 Nov 2019 12:06

Instrument :
MSVOA_V
ClientSampleId :

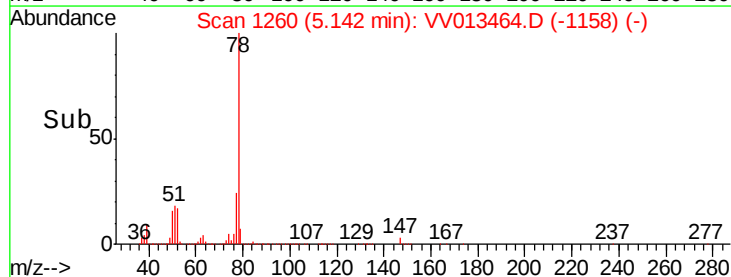
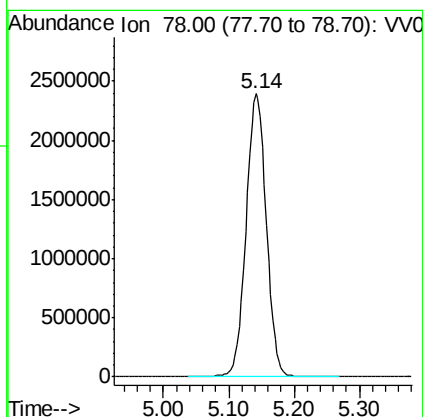
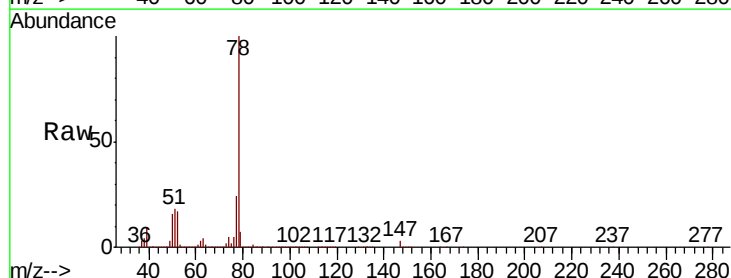
Tot Ion:117 Resp: 1769897
Ion Ratio Lower Upper
117 100
119 97.3 77.4 116.0

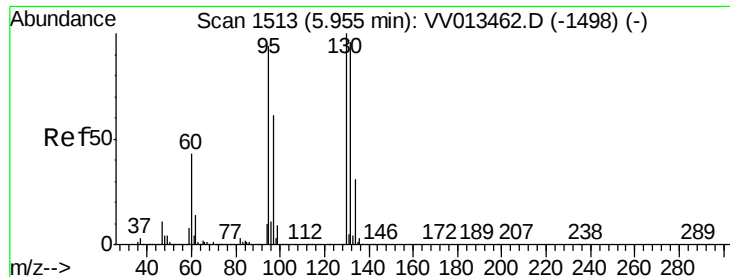


#34

Benzene
Concen: 112.531 ug/L
RT: 5.14 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VV013464.D
Acq: 01 Nov 2019 12:06

Tgt Ion: 78 Resp: 5168805





#35

Trichloroethene

Concen: 109.050 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV013464.D

Acq: 01 Nov 2019 12:06

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 1388931

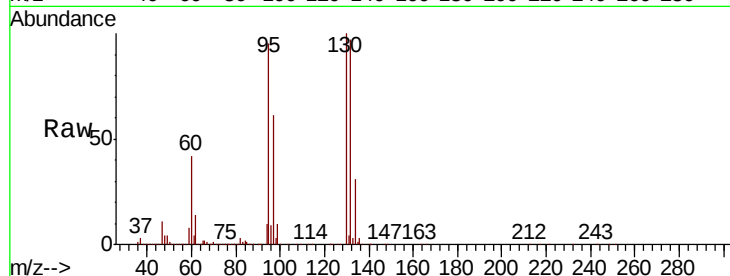
Ion Ratio Lower Upper

95 100

97 64.2 44.7 83.1

132 101.1 71.0 131.8

130 104.7 74.1 137.7

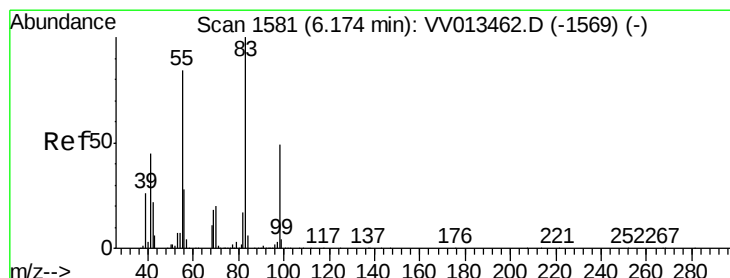
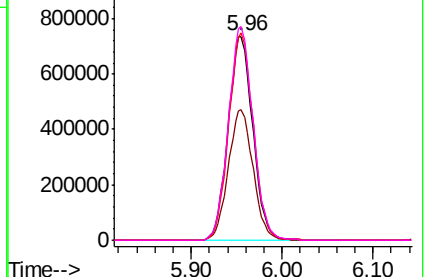
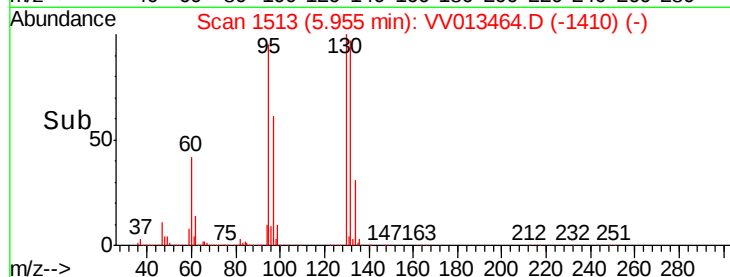


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#36

Methylcyclohexane

Concen: 116.073 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV013464.D

Acq: 01 Nov 2019 12:06

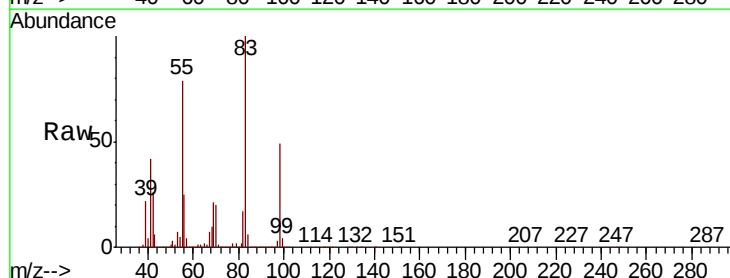
Tgt Ion: 83 Resp: 2282334

Ion Ratio Lower Upper

83 100

55 78.7 64.2 96.4

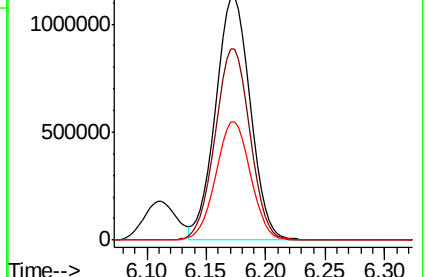
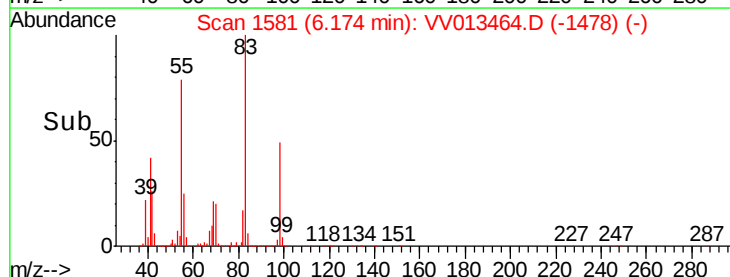
98 48.8 38.4 57.6

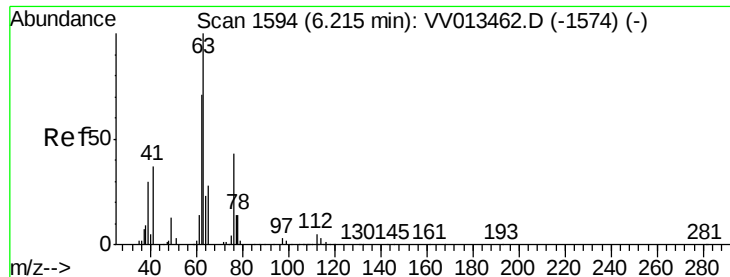


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#40

1,2-Dichloropropane

Concen: 111.584 ug/L

RT: 6.22 min Scan# 1594

Delta R.T. 0.00 min

Lab File: VV013464.D

Acq: 01 Nov 2019 12:06

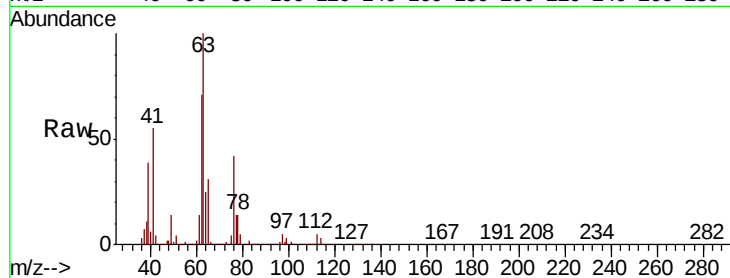
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 63 Resp: 1326392

Ion Ratio Lower Upper

63 100

112 4.6 3.8 5.6



Abundance Ion 63.00 (62.70 to 63.70): VV013464.D (-1574) (-)

Ion 112.00 (111.70 to 112.70): VV013464.D (-1574) (-)

6.22

800000

600000

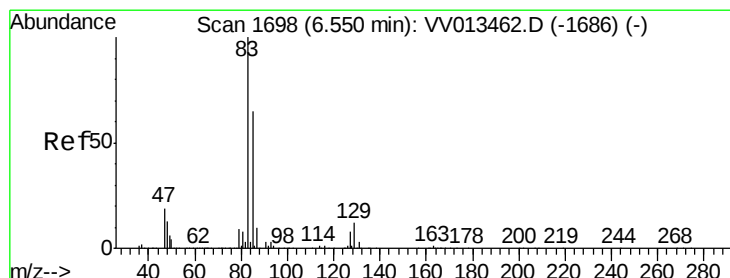
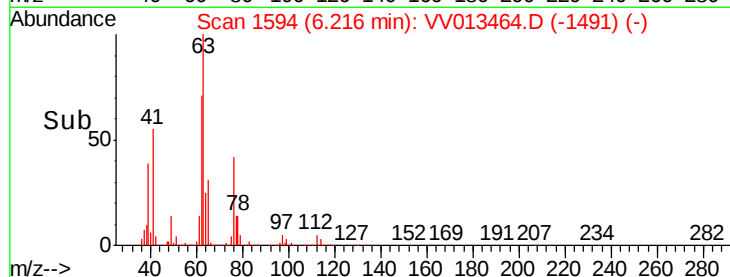
400000

200000

0

6.10 6.15 6.20 6.25 6.30

Time-->



#41

Bromodichloromethane

Concen: 115.098 ug/L

RT: 6.55 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VV013464.D

Acq: 01 Nov 2019 12:06

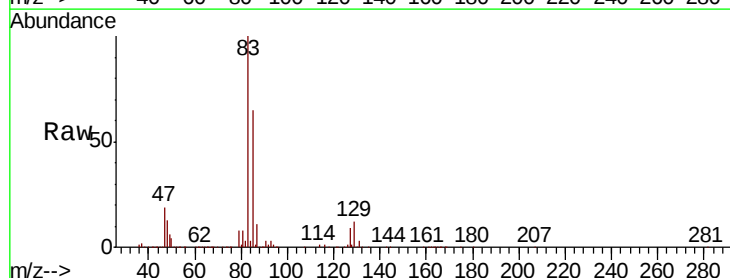
Tgt Ion: 83 Resp: 1749765

Ion Ratio Lower Upper

83 100

85 64.8 45.4 84.4

127 9.1 6.7 10.1



Abundance Ion 83.00 (82.70 to 83.70): VV013464.D (-1686) (-)

Ion 85.00 (84.70 to 85.70): VV013464.D (-1686) (-)

Ion 127.00 (126.70 to 127.70): VV013464.D (-1686) (-)

6.55

1200000

1000000

800000

600000

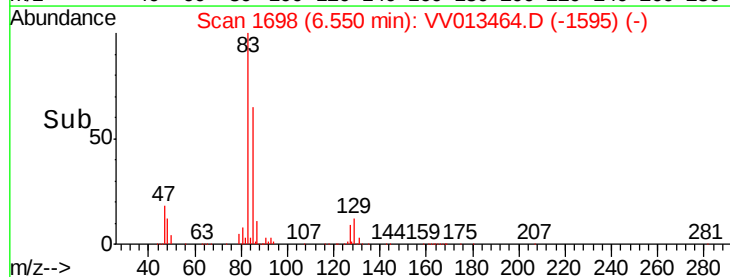
400000

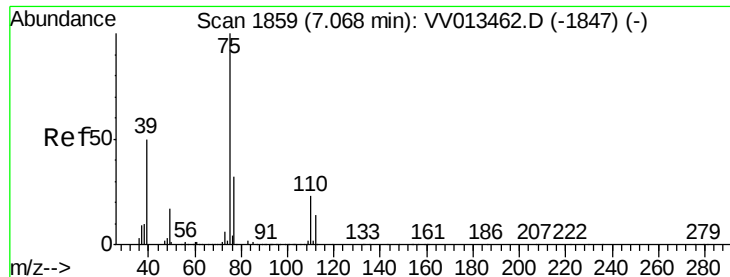
200000

0

6.50 6.55 6.60

Time-->



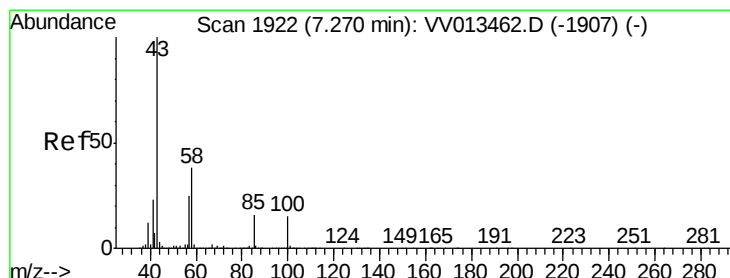
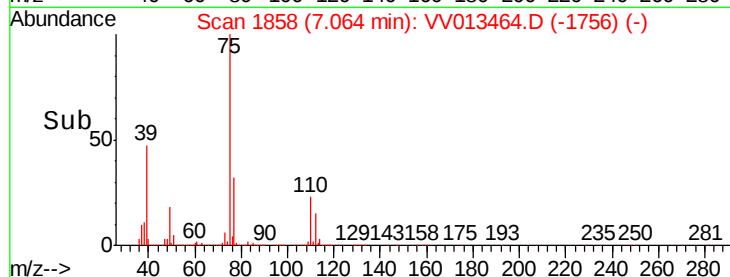
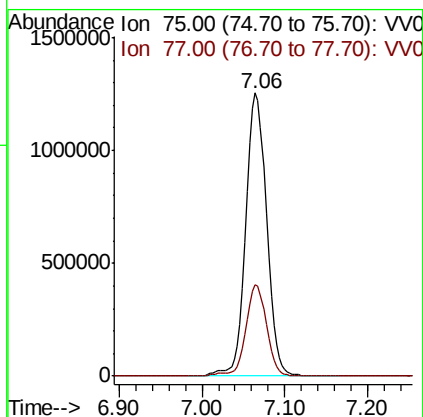
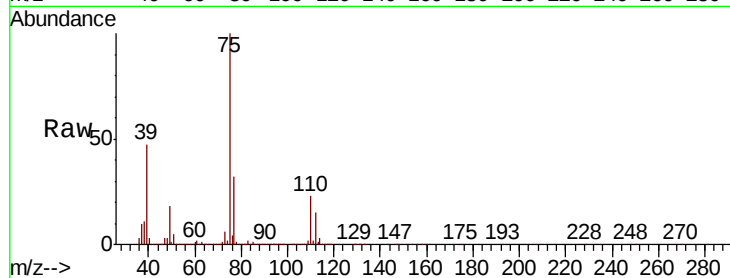


#42

cis-1,3-Dichloropropene
Concen: 126.873 ug/L
RT: 7.06 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VV013464.D
Acq: 01 Nov 2019 12:06

Instrument :
MSVOA_V
ClientSampleId :

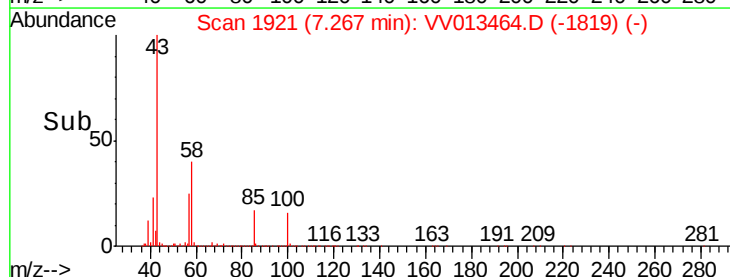
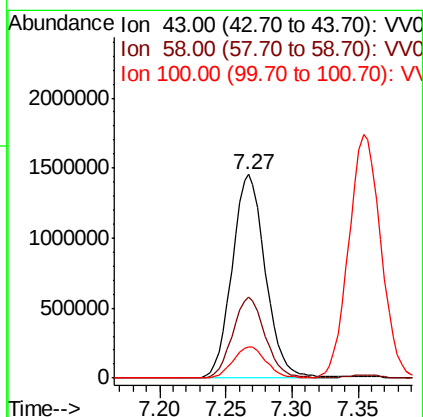
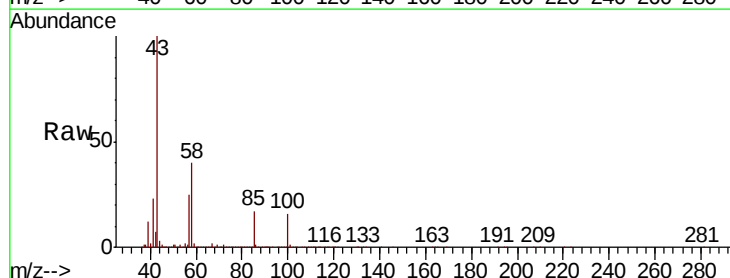
Tot Ion: 75 Resp: 2200512
Ion Ratio Lower Upper
75 100
77 32.2 22.7 42.1

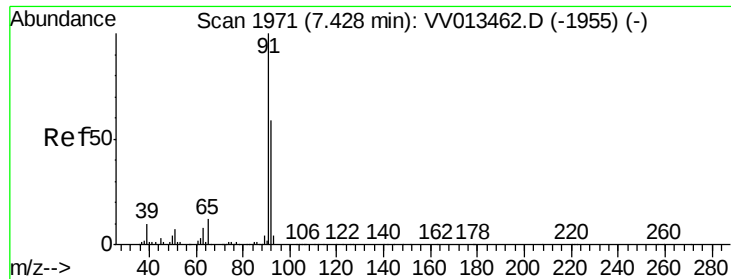


#43

4-Methyl-2-pentanone
Concen: 257.785 ug/L
RT: 7.27 min Scan# 1921
Delta R.T. -0.00 min
Lab File: VV013464.D
Acq: 01 Nov 2019 12:06

Tgt Ion: 43 Resp: 2534540
Ion Ratio Lower Upper
43 100
58 39.0 29.9 44.9
100 15.4 11.5 17.3





#44

Toluene

Concen: 111.953 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013464.D

Acq: 01 Nov 2019 12:06

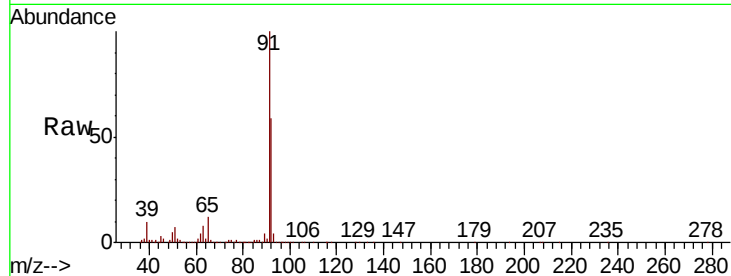
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 5379381

Ion Ratio Lower Upper

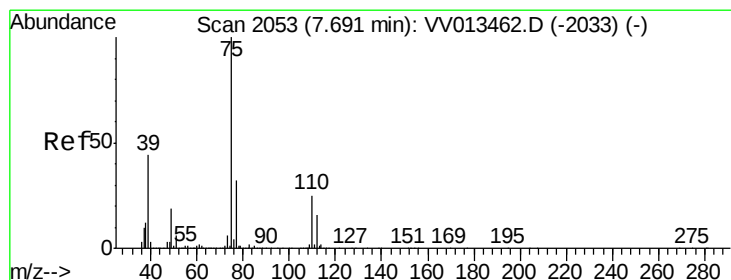
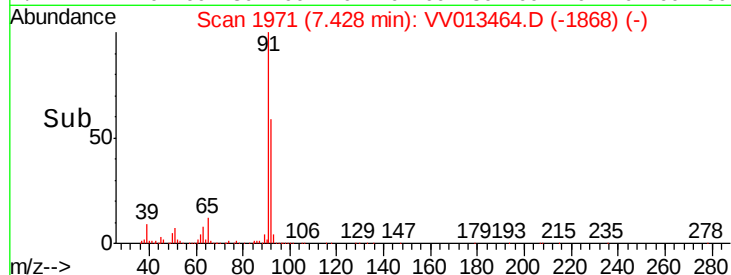
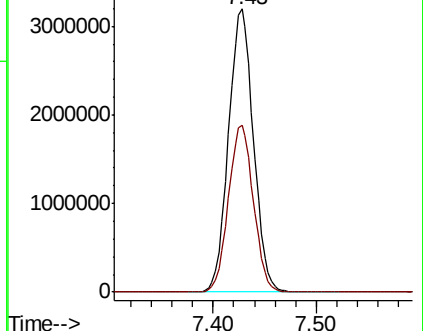
91 100

92 58.9 41.4 76.8



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

Ion 92.00 (91.70 to 92.70): VV013462.D (-1955) (-)



#45

trans-1,3-Dichloropropene

Concen: 125.104 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV013464.D

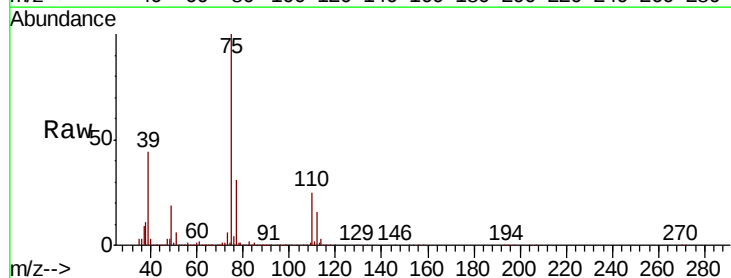
Acq: 01 Nov 2019 12:06

Tgt Ion: 75 Resp: 1846148

Ion Ratio Lower Upper

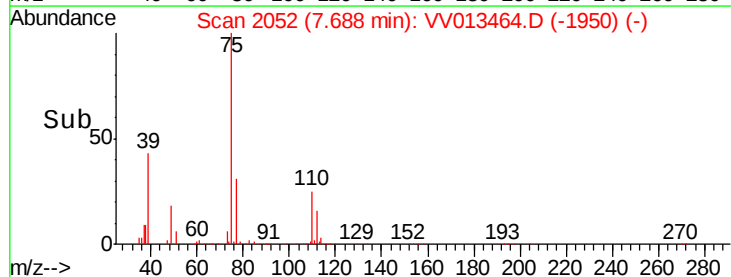
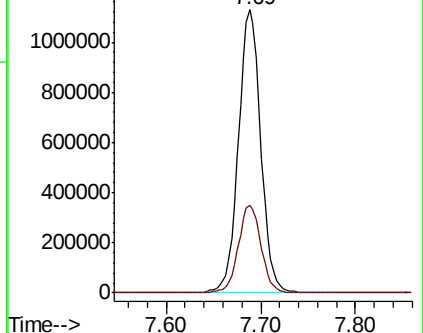
75 100

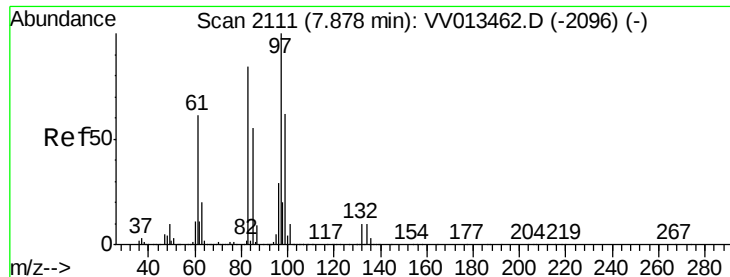
77 31.1 22.5 41.7



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

Ion 77.00 (76.70 to 77.70): VV013462.D (-2033) (-)



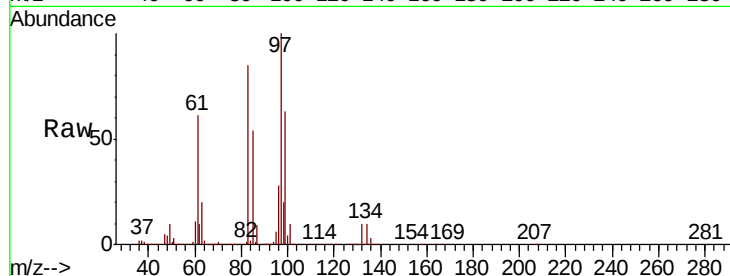


#46
1,1,2-Trichloroethane
Concen: 108.654 ug/L
RT: 7.88 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VV013464.D
Acq: 01 Nov 2019 12:06

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 97 Resp: 1078122

Ion	Ratio	Lower	Upper
97	100		
83	85.2	58.9	109.3
85	54.3	38.6	71.6
99	63.1	43.6	81.0



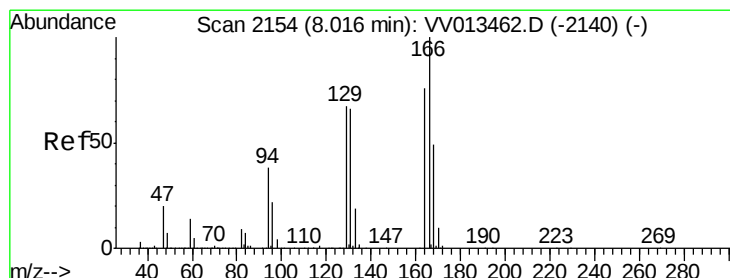
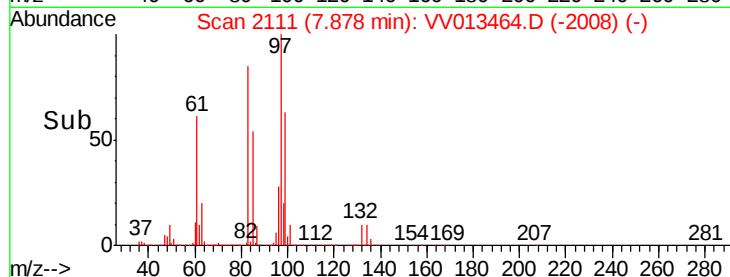
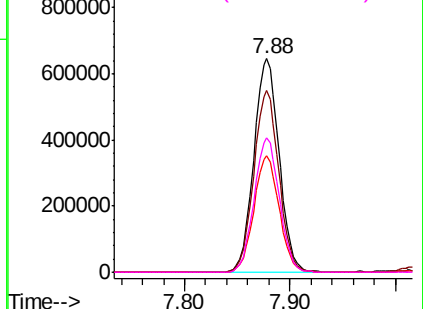
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

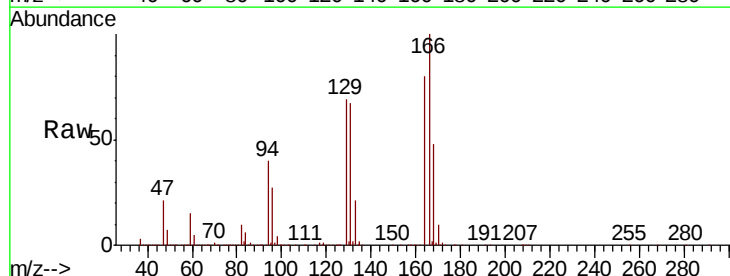
Ion 99.00 (98.70 to 99.70): VV0



#47
Tetrachloroethene
Concen: 112.331 ug/L
RT: 8.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VV013464.D
Acq: 01 Nov 2019 12:06

Tgt Ion: 164 Resp: 1177143

Ion	Ratio	Lower	Upper
164	100		
129	86.0	61.8	114.8
131	83.6	61.0	113.2
166	124.9	92.1	171.1



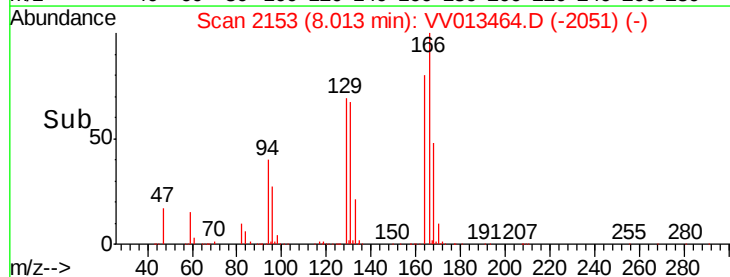
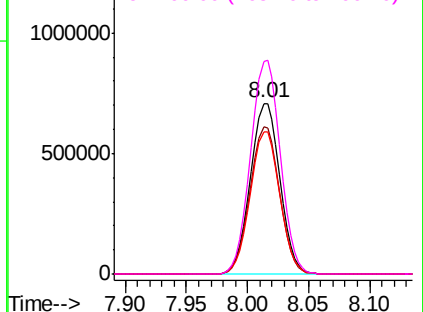
Abundance

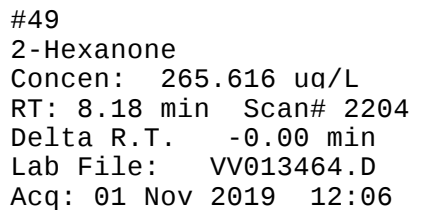
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

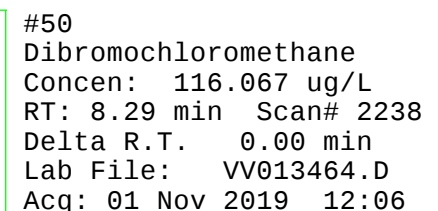
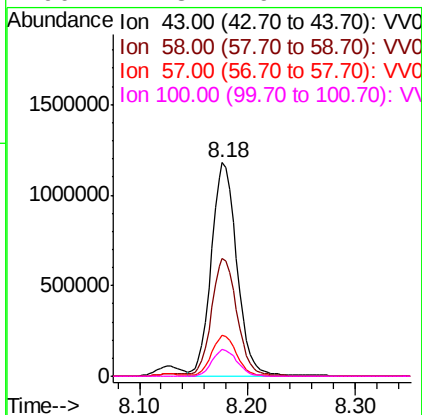
Ion 166.00 (165.70 to 166.70): V



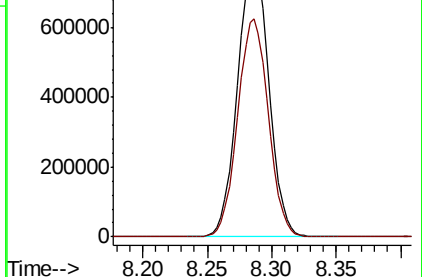
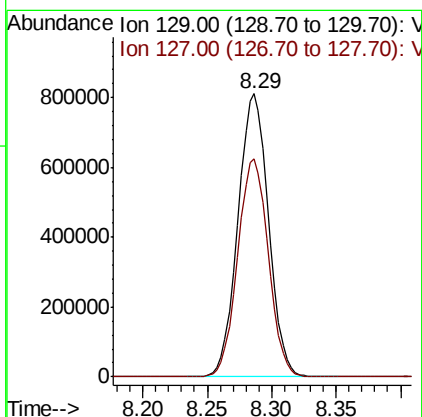


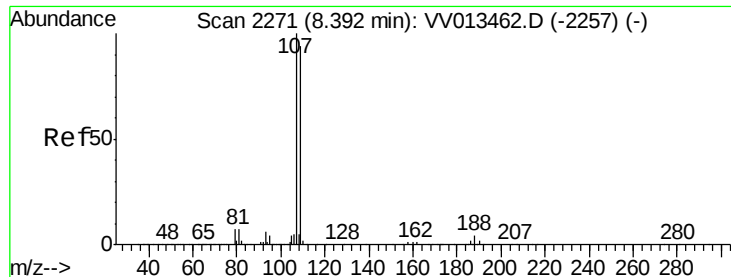
Instrument :
MSVOA_V
ClientSampleId :

Tat	Ion: 43	Resp: 1938824	
Ion	Ratio	Lower	Upper
43	100		
58	55.1	43.8	65.8
57	19.0	15.0	22.4
100	12.3	9.4	14.2



Tgt	Ion:129	Resp:	1338228
Ion	Ratio	Lower	Upper
129	100		
127	77.3	53.9	100.1





#51

1,2-Dibromoethane

Concen: 114.865 ug/L

RT: 8.39 min Scan# 2270

Delta R.T. -0.00 min

Lab File: VV013464.D

Acq: 01 Nov 2019 12:06

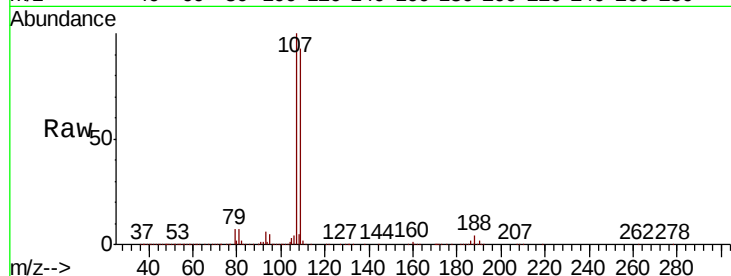
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:107 Resp: 1126300

Ion	Ratio	Lower	Upper
107	100		
109	92.9	65.6	121.8
188	4.5	3.5	5.3

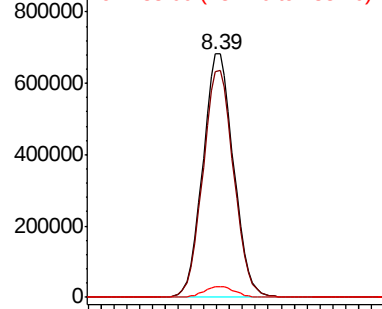


Abundance

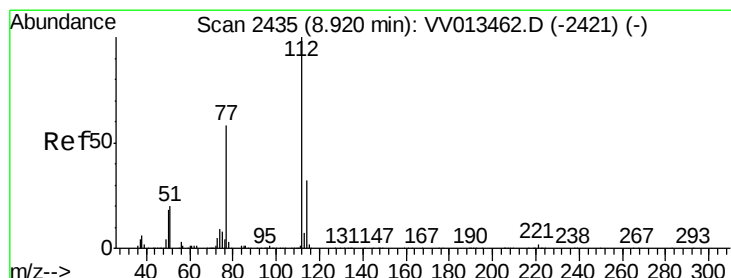
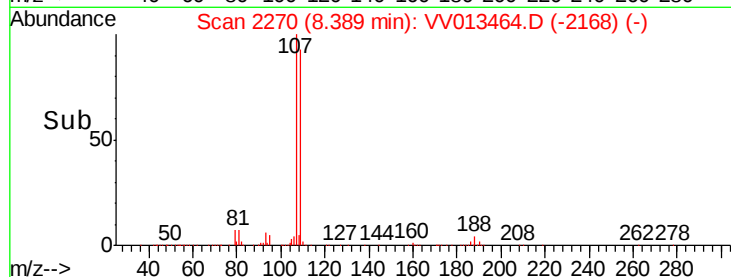
Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



Time-->



#52

Chlorobenzene

Concen: 106.287 ug/L

RT: 8.92 min Scan# 2435

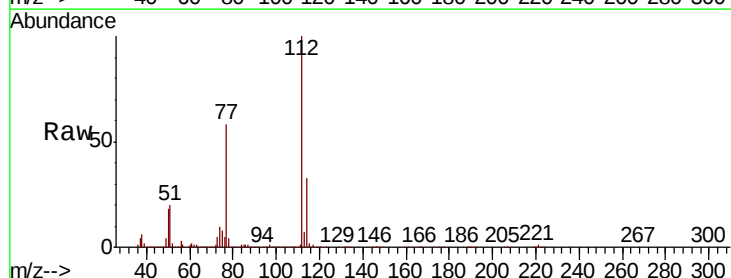
Delta R.T. 0.00 min

Lab File: VV013464.D

Acq: 01 Nov 2019 12:06

Tgt Ion:112 Resp: 3527495

Ion	Ratio	Lower	Upper
112	100		
77	58.1	46.6	70.0
114	32.7	22.5	41.9

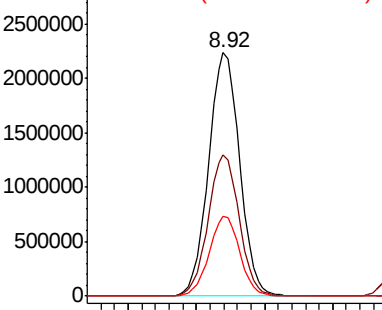


Abundance

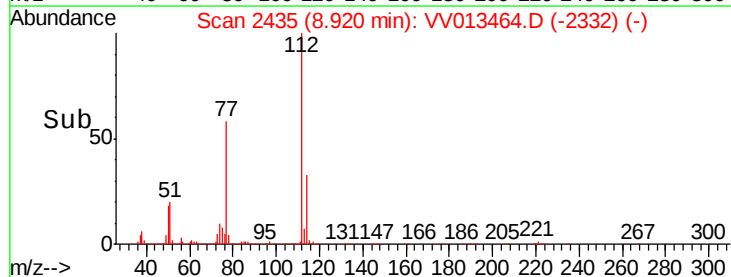
Ion 112.00 (111.70 to 112.70): V

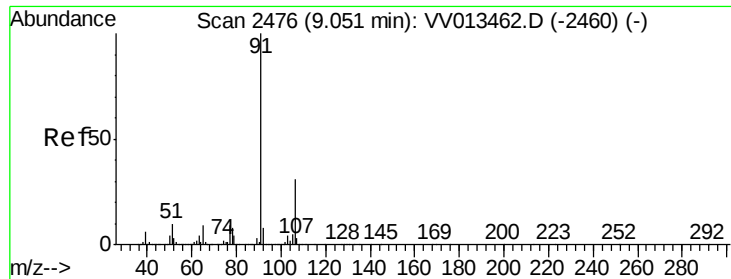
Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V



Time-->





#53

Ethylbenzene

Concen: 112.354 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013464.D

Acq: 01 Nov 2019 12:06

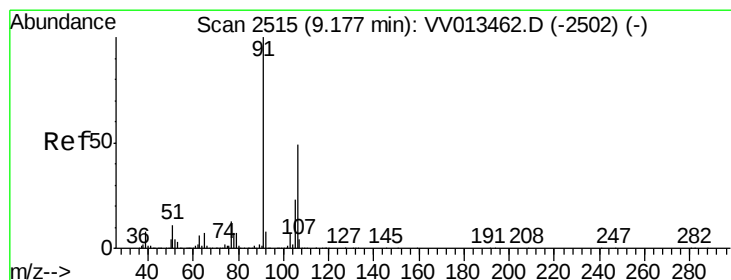
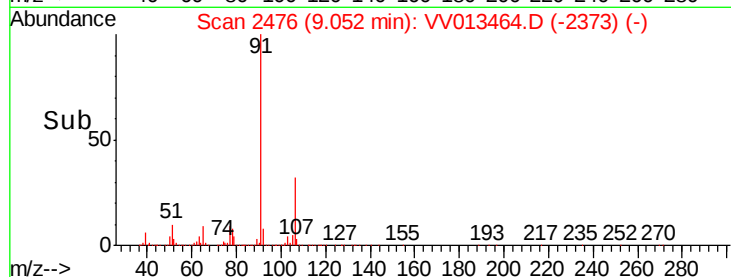
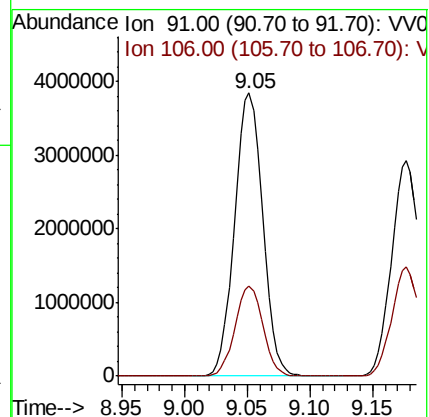
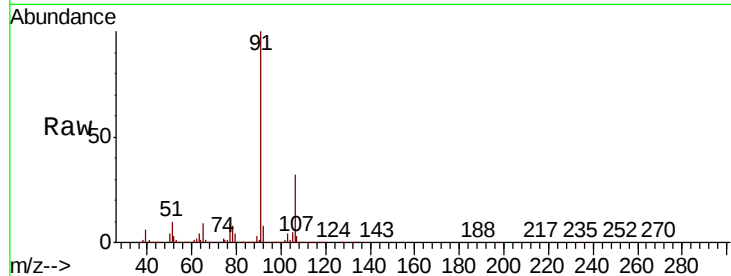
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 5988431

Ion Ratio Lower Upper

91 100

106 31.8 21.5 39.9



#54

m,p-Xylene

Concen: 115.663 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013464.D

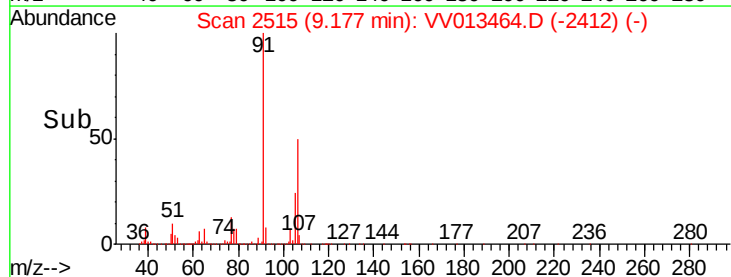
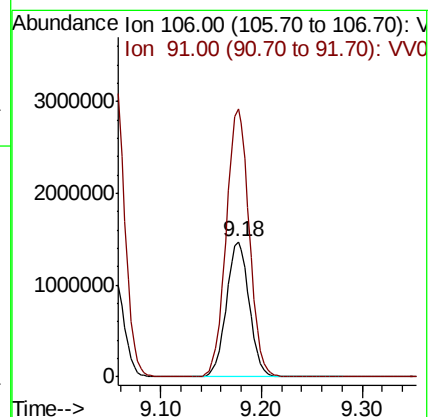
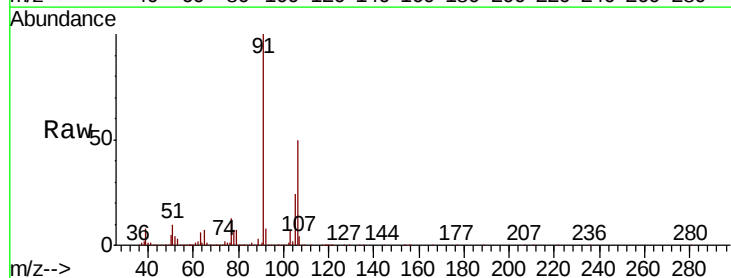
Acq: 01 Nov 2019 12:06

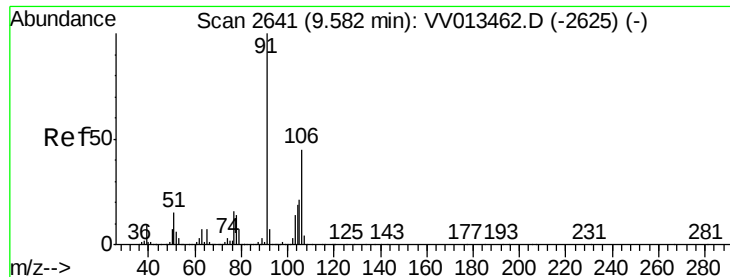
Tgt Ion: 106 Resp: 2334105

Ion Ratio Lower Upper

106 100

91 198.1 141.7 263.1





#55

o-xylene

Concen: 117.100 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV013464.D

Acq: 01 Nov 2019 12:06

Instrument :

MSVOA_V

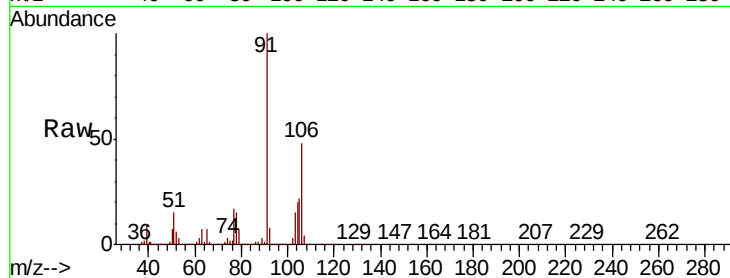
ClientSampleId :

Tot Ion:106 Resp: 2232719

Ion Ratio Lower Upper

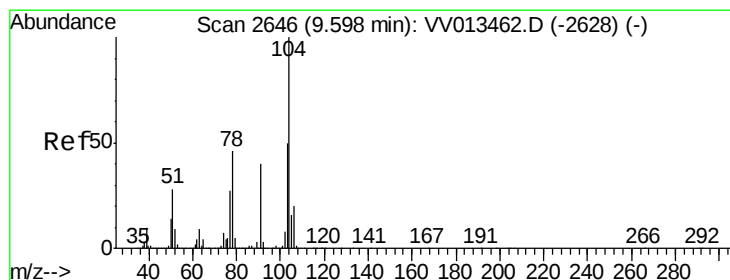
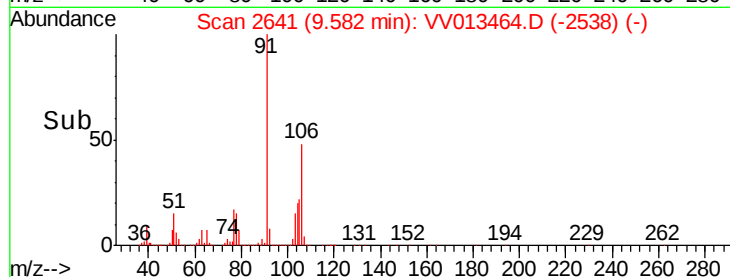
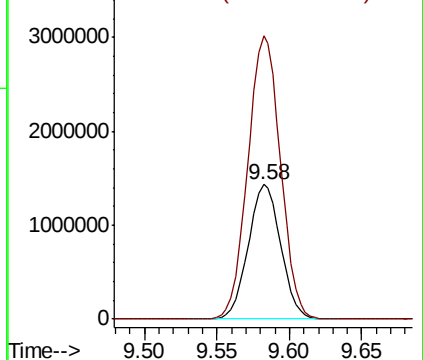
106 100

91 210.1 154.2 286.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 115.997 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV013464.D

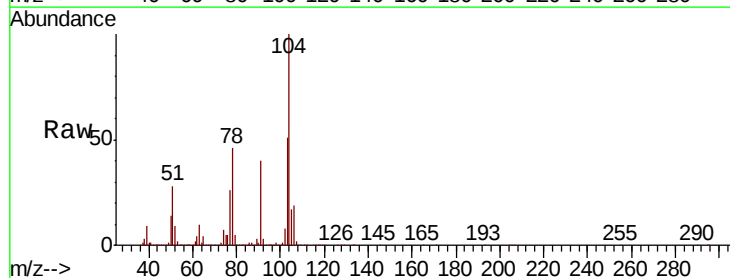
Acq: 01 Nov 2019 12:06

Tgt Ion:104 Resp: 3885276

Ion Ratio Lower Upper

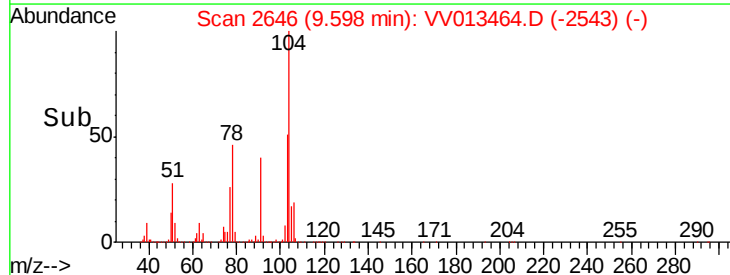
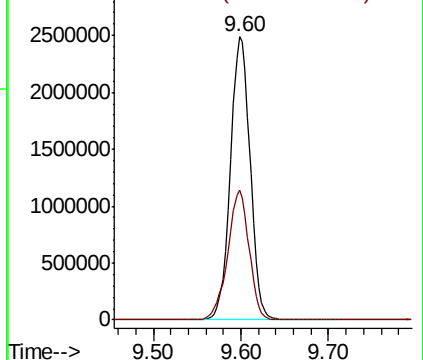
104 100

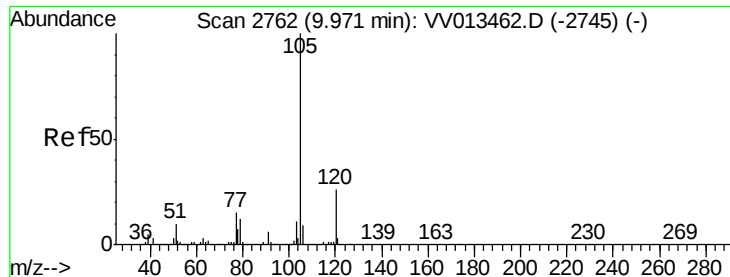
78 45.8 32.1 59.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 117.209 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013464.D

Acq: 01 Nov 2019 12:06

Instrument :
MSVOA_V
ClientSampled :

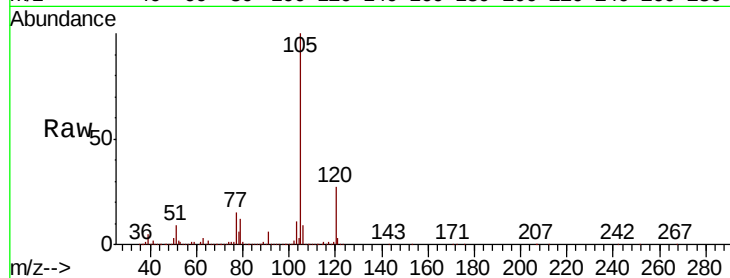
Tot Ion:105 Resp: 5954641

Ion Ratio Lower Upper

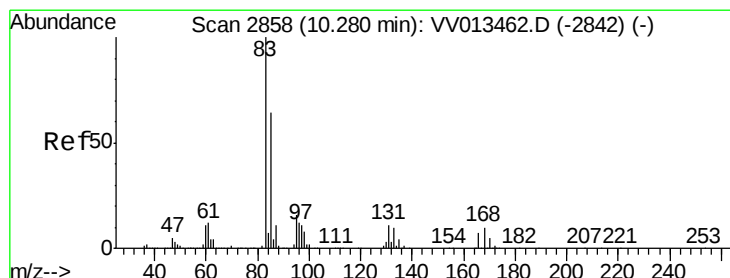
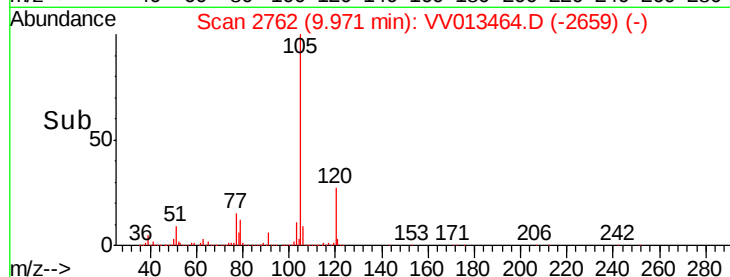
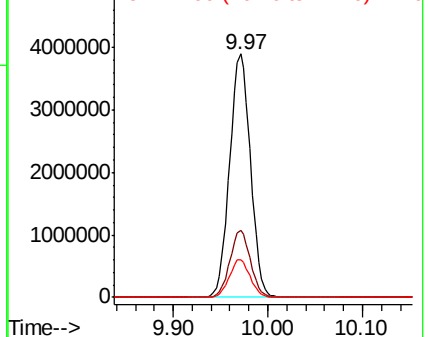
105 100

120 27.0 21.1 31.7

77 15.4 12.3 18.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 115.195 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV013464.D

Acq: 01 Nov 2019 12:06

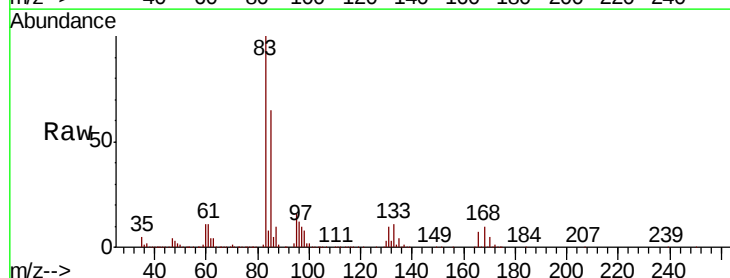
Tgt Ion: 83 Resp: 1411535

Ion Ratio Lower Upper

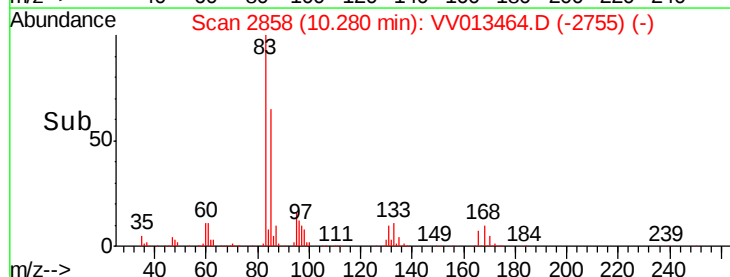
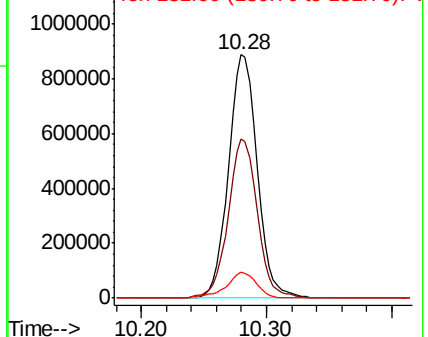
83 100

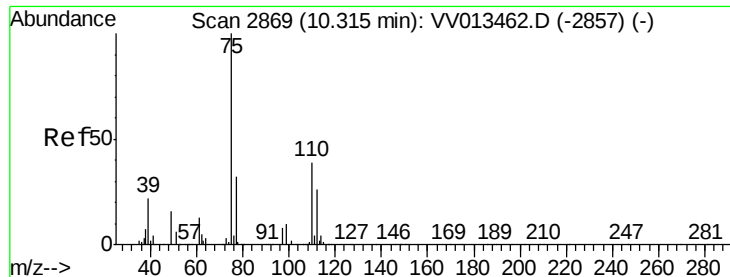
85 65.3 45.1 83.7

131 10.4 8.5 12.7



Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0
Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 113.129 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV013464.D

Acq: 01 Nov 2019 12:06

Instrument :

MSVOA_V

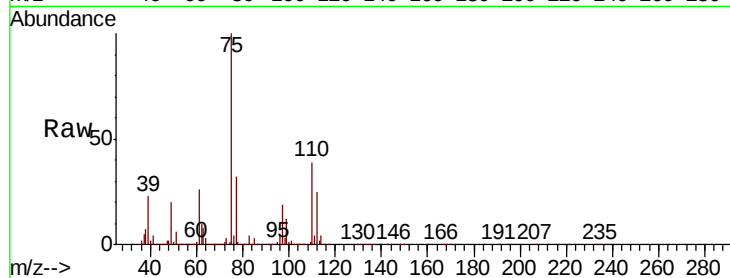
ClientSampleId :

Tot Ion: 75 Resp: 1149190

Ion Ratio Lower Upper

75 100

77 31.8 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

10.31

800000

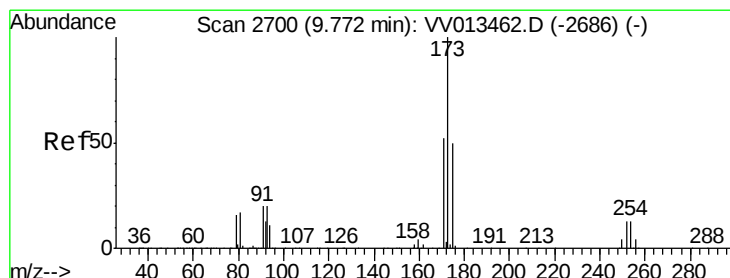
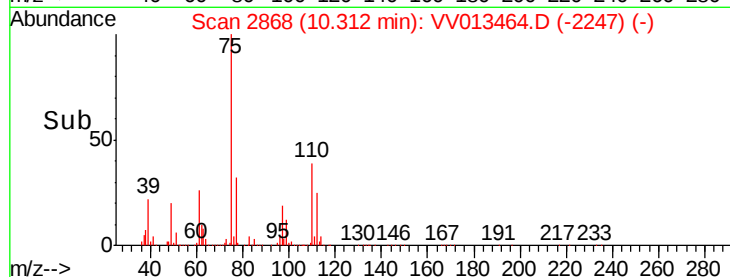
600000

400000

200000

0

Time--> 10.20 10.30 10.40



#62

Bromoform

Concen: 122.904 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV013464.D

Acq: 01 Nov 2019 12:06

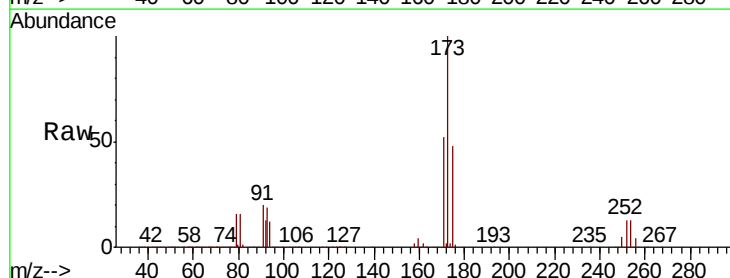
Tgt Ion:173 Resp: 949148

Ion Ratio Lower Upper

173 100

175 48.6 39.4 59.0

254 12.6 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

9.77

800000

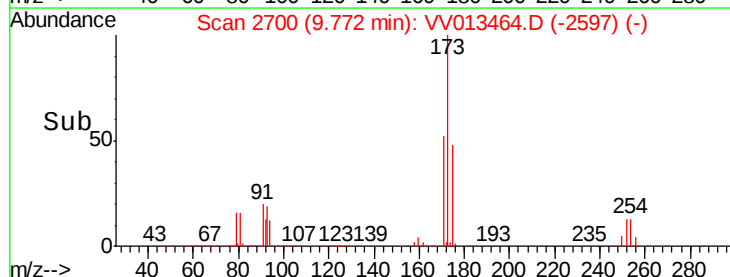
600000

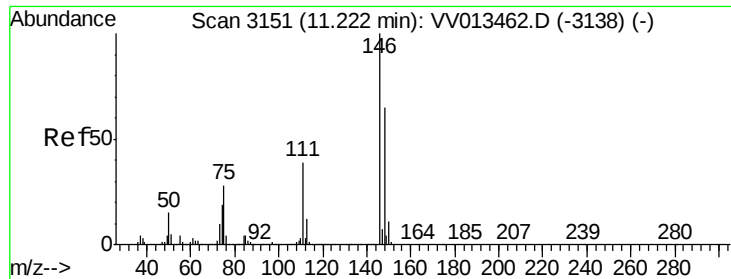
400000

200000

0

Time--> 9.70 9.75 9.80 9.85 9.90

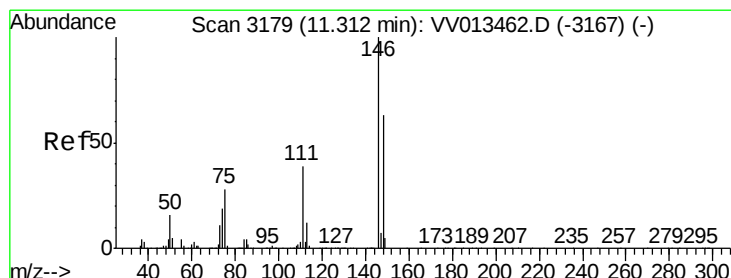
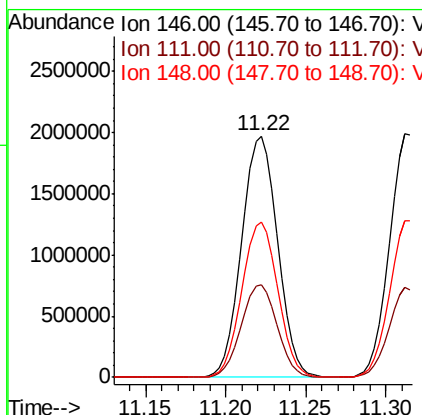
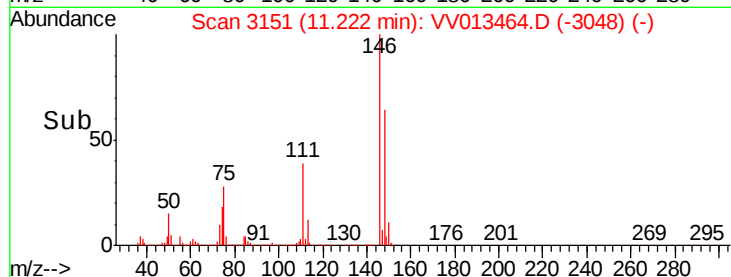
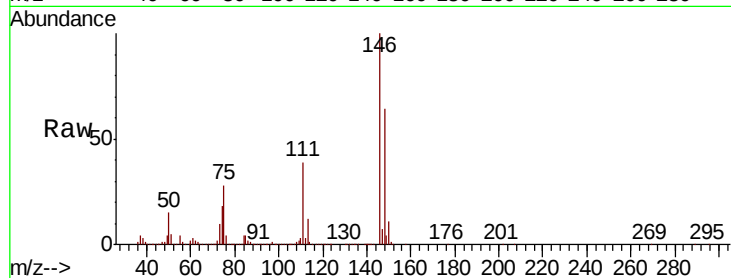




#63
 1,3-Dichlorobenzene
 Concen: 108.440 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV013464.D
 Acq: 01 Nov 2019 12:06

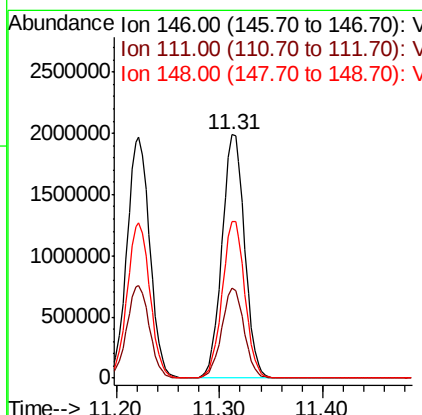
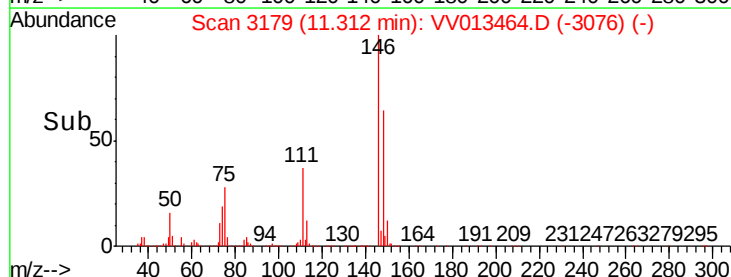
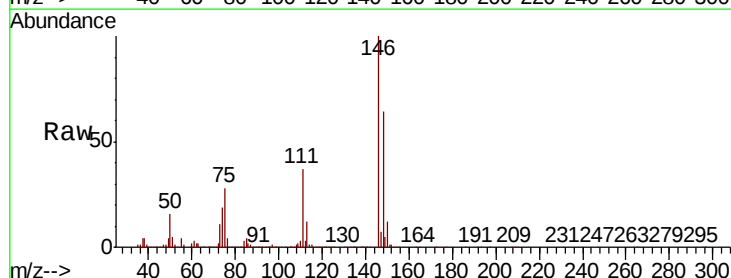
Instrument :
 MSVOA_V
 ClientSampleId :

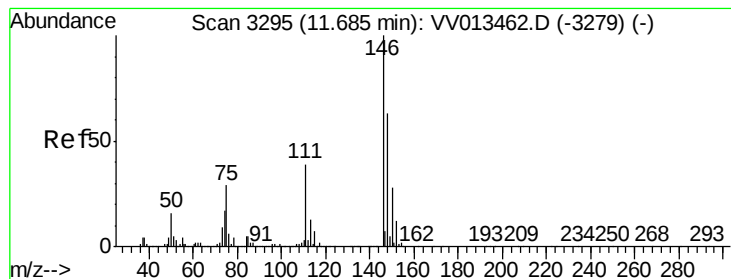
Tot Ion:146 Resp: 3016369
 Ion Ratio Lower Upper
 146 100
 111 38.7 27.1 50.3
 148 64.5 45.4 84.2



#64
 1,4-Dichlorobenzene
 Concen: 104.681 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV013464.D
 Acq: 01 Nov 2019 12:06

Tgt Ion:146 Resp: 3036143
 Ion Ratio Lower Upper
 146 100
 111 36.9 27.2 50.6
 148 64.3 44.4 82.5





#65

1,2-Dichlorobenzene

Concen: 105.966 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV013464.D

Acq: 01 Nov 2019 12:06

Instrument :

MSVOA_V

ClientSampleId :

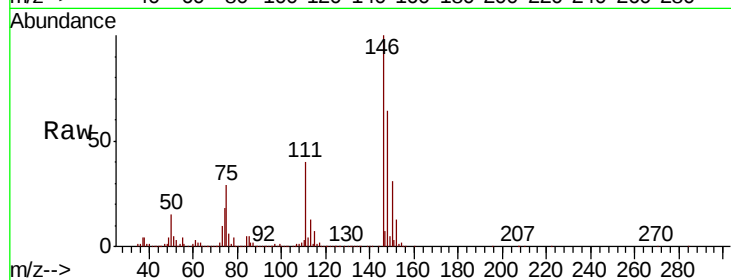
Tot Ion:146 Resp: 2792708

Ion Ratio Lower Upper

146 100

111 40.1 31.4 47.2

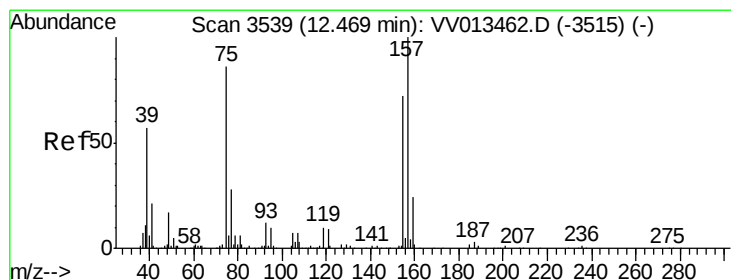
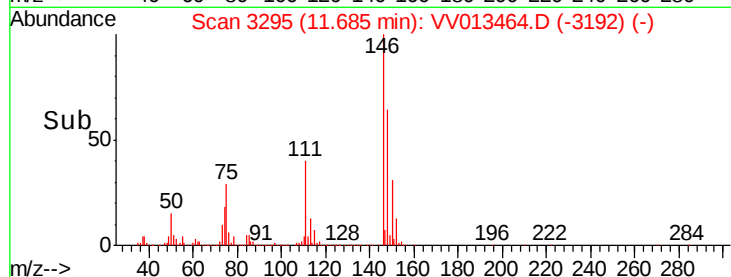
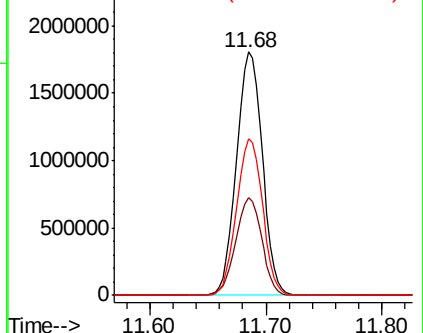
148 64.1 50.5 75.7



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: 123.294 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. 0.00 min

Lab File: VV013464.D

Acq: 01 Nov 2019 12:06

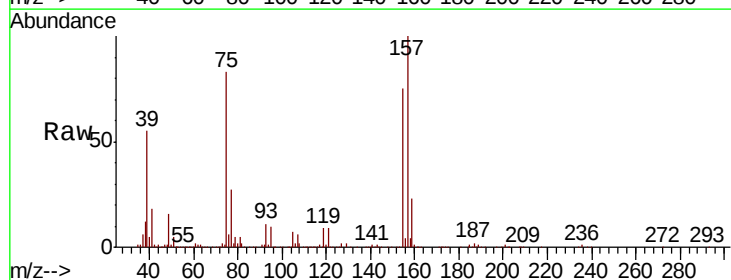
Tgt Ion: 75 Resp: 283790

Ion Ratio Lower Upper

75 100

157 120.6 93.2 139.8

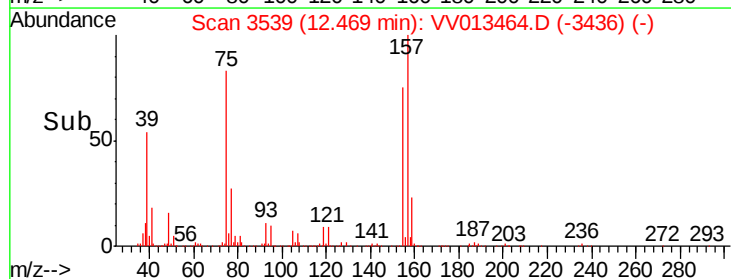
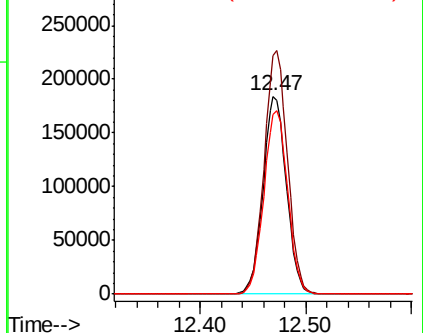
155 90.9 66.9 100.3

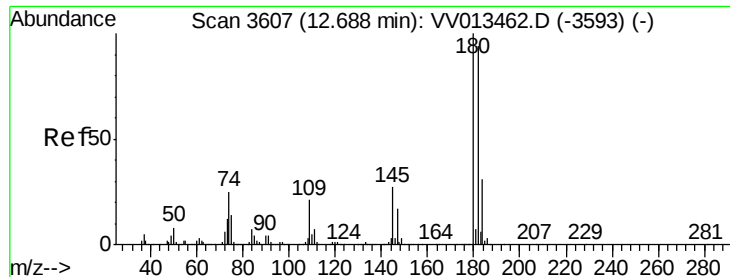


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

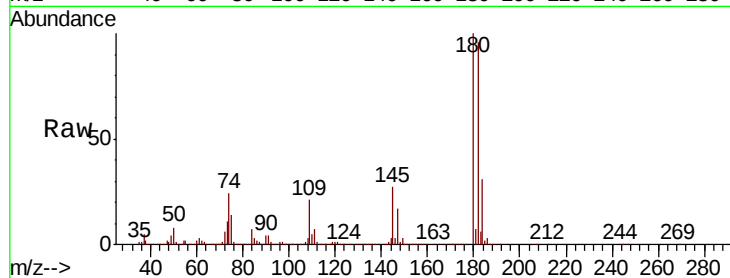




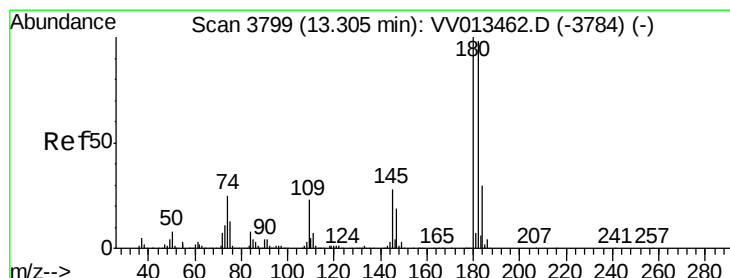
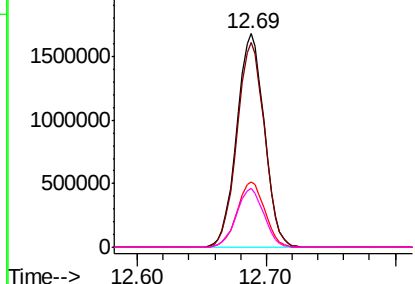
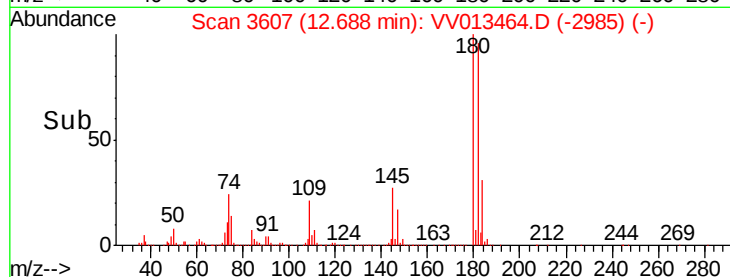
#67
 1,3,5-Trichlorobenzene
 Concen: 113.909 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013464.D
 Acq: 01 Nov 2019 12:06

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 2494220
 Ion Ratio Lower Upper
 180 100
 182 95.8 74.8 112.2
 184 30.8 24.3 36.5
 145 27.4 21.1 31.7

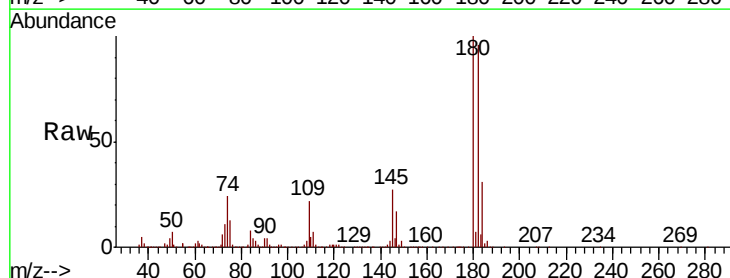


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

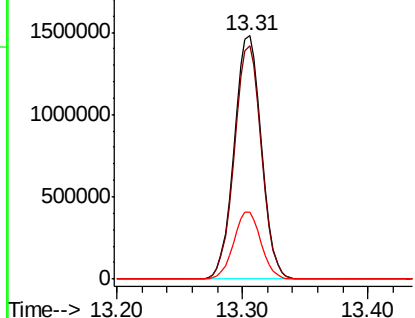
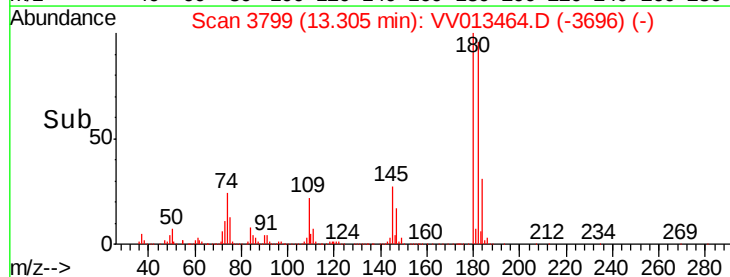


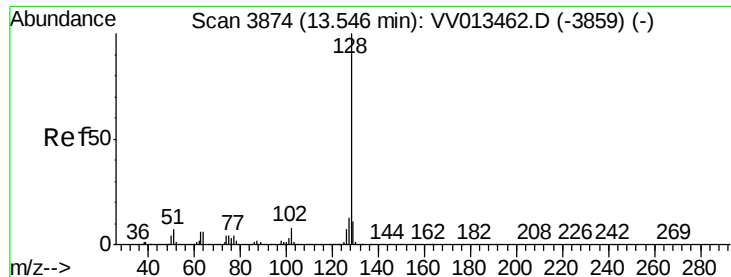
#68
 1,2,4-trichlorobenzene
 Concen: 118.225 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013464.D
 Acq: 01 Nov 2019 12:06

Tgt Ion:180 Resp: 2228006
 Ion Ratio Lower Upper
 180 100
 182 95.6 77.4 116.0
 145 27.5 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: 125.419 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013464.D

Acq: 01 Nov 2019 12:06

Instrument :

MSVOA_V

ClientSampleId :

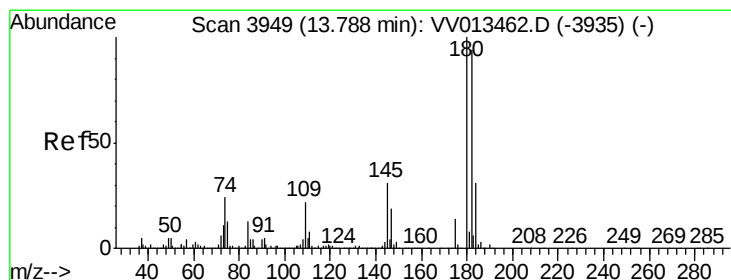
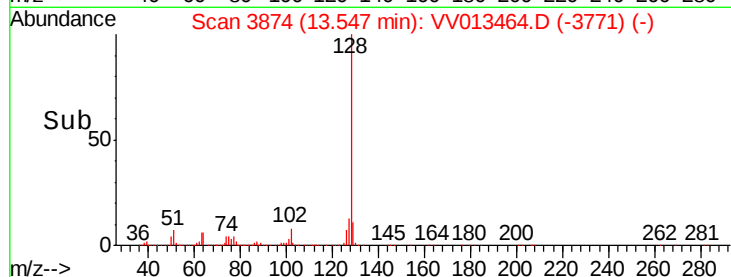
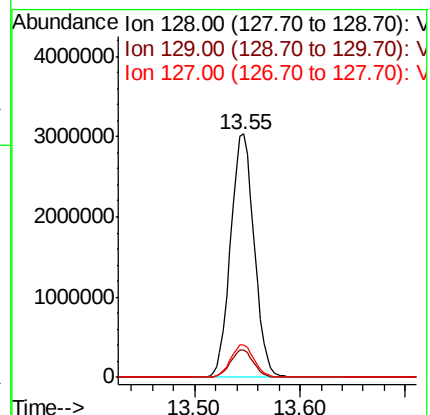
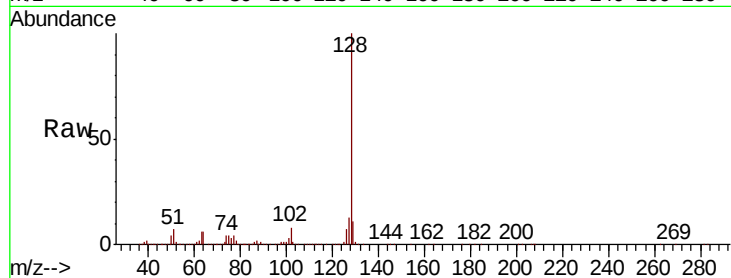
Tot Ion:128 Resp: 4681523

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

127 13.2 10.5 15.7



#70

1,2,3-Trichlorobenzene

Concen: 112.572 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013464.D

Acq: 01 Nov 2019 12:06

Tgt Ion:180 Resp: 2040053

Ion Ratio Lower Upper

180 100

182 95.9 75.2 112.8

145 29.4 23.8 35.6

