

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110119\
 Data File : VV013460.D
 Acq On : 01 Nov 2019 10:17
 Operator : SY/MD
 Sample : VSTD2.562
 Misc : 5.00G/10.0ML/MSVOA V/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 02 03:15:39 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	712009	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	729013	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	397776	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	24299	2.23	ug/L	0.00
7) Chloroethane-d5	1.58	69	19665	2.28	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	45090	2.49	ug/L	0.00
20) 2-Butanone-d5	4.06	46	272	0.07	ug/L	0.12
24) Chloroform-d	4.40	84	50537	2.57	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	28646	2.52	ug/L	0.00
29) Benzene-d6	5.10	84	101157	2.46	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	31424	2.44	ug/L	0.00
37) Toluene-d8	7.36	98	86359	2.33	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	12924	2.38	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	9554	3.73	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	28489	2.39	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	40548	2.62	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	31614	3.945 ug/L	98
3) Chloromethane	1.25	50	31081	3.060 ug/L	99
5) Vinyl chloride	1.32	62	29832	2.981 ug/L	96
6) Bromomethane	1.52	94	13596	2.252 ug/L	90
8) Chloroethane	1.60	64	18080	3.018 ug/L	96
9) Trichlorofluoromethane	1.77	101	40511	2.981 ug/L	96
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	23770	2.745 ug/L	97
12) 1,1-Dichloroethene	2.14	96	22431	2.799 ug/L	88
13) Acetone	2.18	43	38976	9.874 ug/L	94
14) Carbon disulfide	2.32	76	85803	3.206 ug/L	100
15) Methyl Acetate	2.46	43	21315	3.299 ug/L	98
16) Methylene chloride	2.53	84	43508	4.023 ug/L	97
17) Methyl tert-butyl Ether	2.80	73	68826	2.866 ug/L	95
18) trans-1,2-Dichloroethene	2.79	96	30057	3.076 ug/L	95
19) 1,1-Dichloroethane	3.23	63	54237	3.042 ug/L	99
21) 2-Butanone	4.02	43	25716	5.498 ug/L	89
22) cis-1,2-Dichloroethene	3.96	96	29909	2.826 ug/L	94
23) Bromochloromethane	4.30	128	14517	2.789 ug/L	88
25) Chloroform	4.42	83	57288	3.086 ug/L	99
27) 1,2-Dichloroethane	5.18	62	36745	2.811 ug/L	97
30) Cyclohexane	4.72	56	42979	2.636 ug/L	97
31) 1,1,1-Trichloroethane	4.65	97	46134	3.064 ug/L	95
32) Carbon tetrachloride	4.87	117	38996	2.858 ug/L	96
34) Benzene	5.14	78	116193	2.802 ug/L	100
35) Trichloroethene	5.96	95	31105	2.705 ug/L	97
36) Methylcyclohexane	6.17	83	43982	2.478 ug/L	98
40) 1,2-Dichloropropane	6.22	63	28326	2.640 ug/L	98
41) Bromodichloromethane	6.55	83	36530	2.662 ug/L	97
42) cis-1,3-Dichloropropene	7.07	75	37314	2.383 ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	52703	5.938 ug/L	97

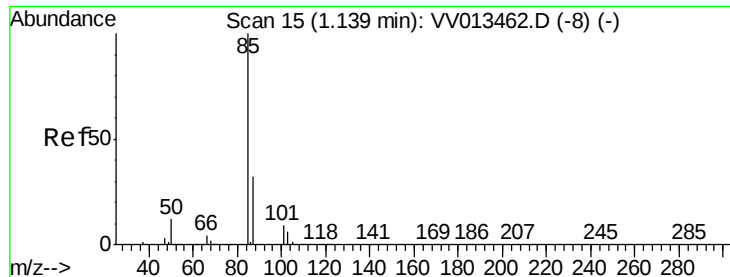
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110119\
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 Quant Title : VOC Analysis
 QLast Update : Sat Nov 02 03:13:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	111962	2.581	ug/L	97
45) trans-1,3-Dichloropropene	7.69	75	34651	2.601	ug/L	96
46) 1,1,2-Trichloroethane	7.88	97	23677	2.643	ug/L	97
47) Tetrachloroethene	8.02	164	26067	2.755	ug/L	96
49) 2-Hexanone	8.18	43	35118	5.329	ug/L	97
50) Dibromochloromethane	8.29	129	26644	2.560	ug/L	98
51) 1,2-Dibromoethane	8.40	107	23771	2.685	ug/L	98
52) Chlorobenzene	8.92	112	81712	2.727	ug/L	99
53) Ethylbenzene	9.05	91	122576	2.547	ug/L	99
54) m,p-Xylene	9.18	106	44248	2.429	ug/L	94
55) o-xylene	9.58	106	41613	2.418	ug/L	96
56) Styrene	9.60	104	70966	2.347	ug/L	95
57) Isopropylbenzene	9.97	105	109227	2.382	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	30111	2.722	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	24977	2.724	ug/L	95
62) Bromoform	9.77	173	18377	2.665	ug/L	97
63) 1,3-Dichlorobenzene	11.22	146	65730	2.647	ug/L	98
64) 1,4-Dichlorobenzene	11.31	146	71489	2.761	ug/L	97
65) 1,2-Dichlorobenzene	11.68	146	63353	2.693	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.47	75	5557	2.704	ug/L	91
67) 1,3,5-Trichlorobenzene	12.69	180	51577	2.638	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	43167	2.566	ug/L	98
69) Naphthalene	13.55	128	72426	2.173	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	39424	2.437	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 3.945 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013460.D

Acq: 01 Nov 2019 10:17

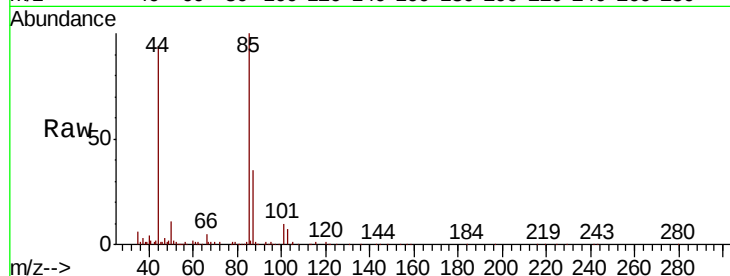
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 31614

Ion Ratio Lower Upper

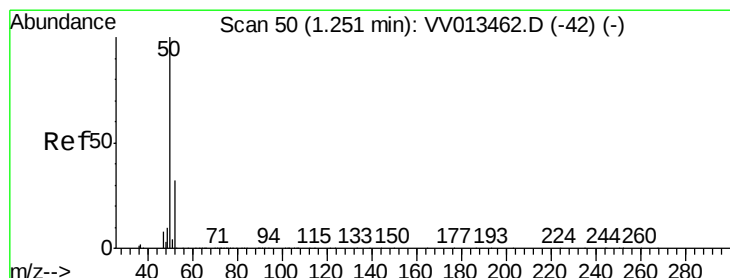
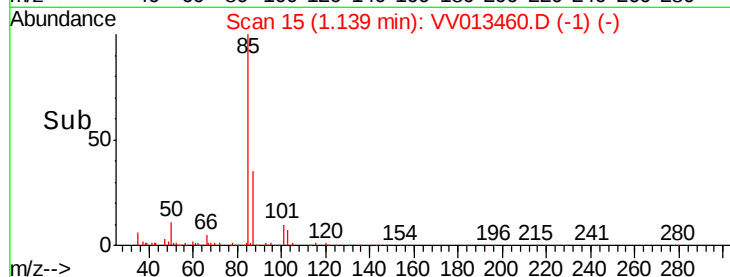
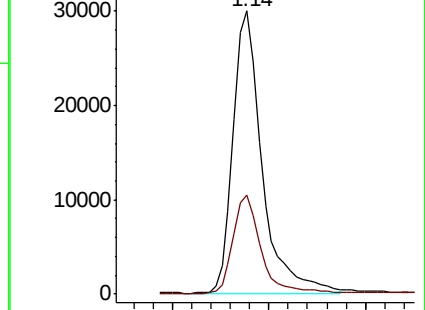
85 100

87 32.8 22.2 41.2



Abundance Ion 85.00 (84.70 to 85.70): VV013462.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV013462.D (-8) (-)



#3

Chloromethane

Concen: 3.060 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013460.D

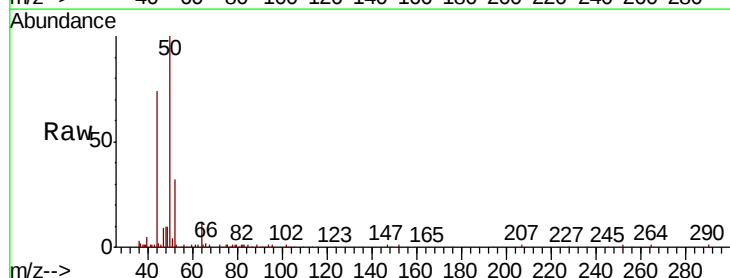
Acq: 01 Nov 2019 10:17

Tgt Ion: 50 Resp: 31081

Ion Ratio Lower Upper

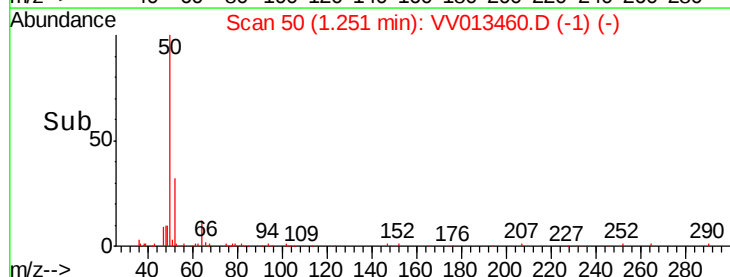
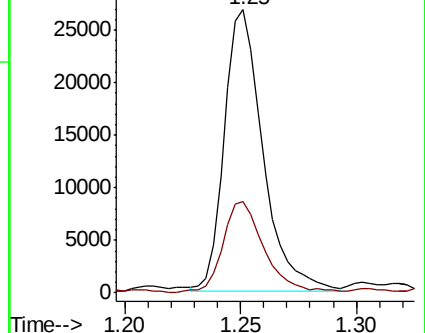
50 100

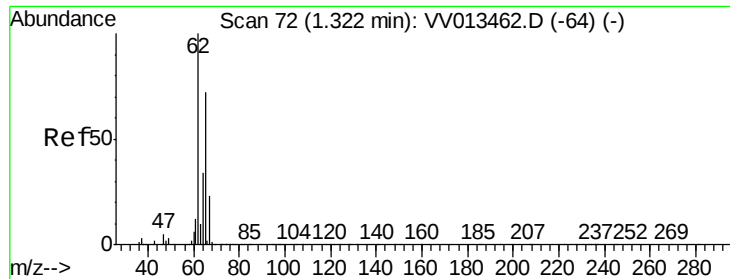
52 32.4 22.2 41.2



Abundance Ion 50.00 (49.70 to 50.70): VV013462.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV013462.D (-42) (-)





#5

Vinyl chloride

Concen: 2.981 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013460.D

Acq: 01 Nov 2019 10:17

Instrument :

MSVOA_V

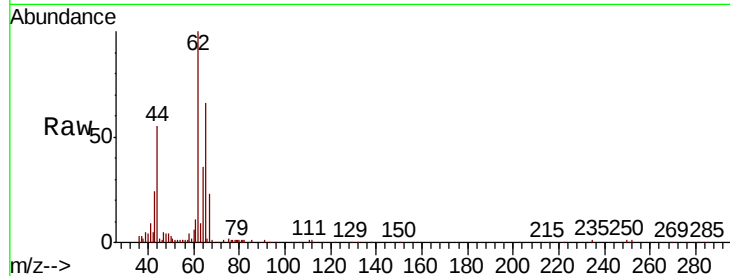
ClientSampled :

Tot Ion: 62 Resp: 29832

Ion Ratio Lower Upper

62 100

64 36.2 23.8 44.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

30000

25000

20000

15000

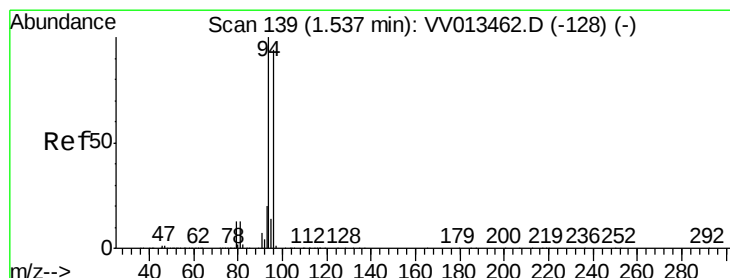
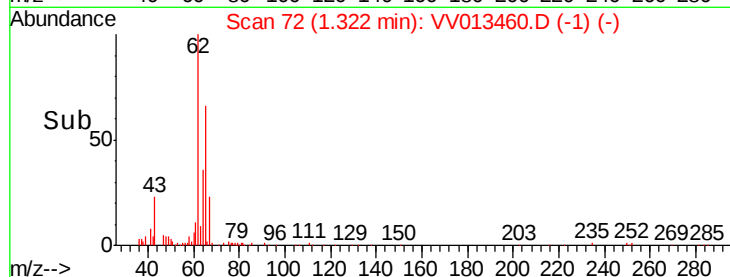
10000

5000

0

1.30 1.35

Time-->



#6

Bromomethane

Concen: 2.252 ug/L

RT: 1.52 min Scan# 135

Delta R.T. -0.01 min

Lab File: VV013460.D

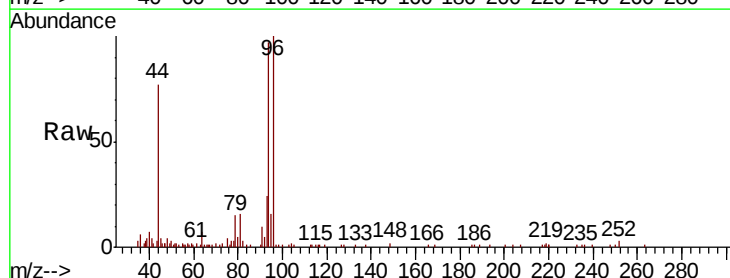
Acq: 01 Nov 2019 10:17

Tgt Ion: 94 Resp: 13596

Ion Ratio Lower Upper

94 100

96 103.6 9.4 177.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.52

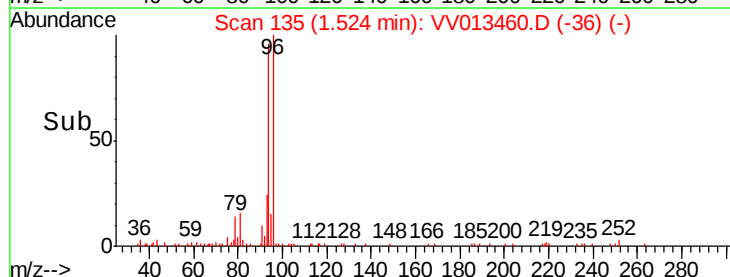
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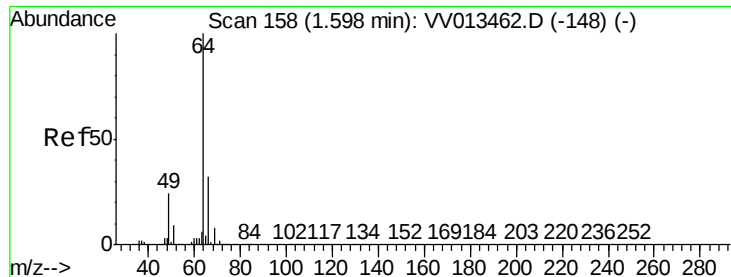
5000

0

1.48 1.50 1.52 1.54 1.56

Time-->





#8

Chloroethane

Concen: 3.018 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV013460.D

Acq: 01 Nov 2019 10:17

Instrument :

MSVOA_V

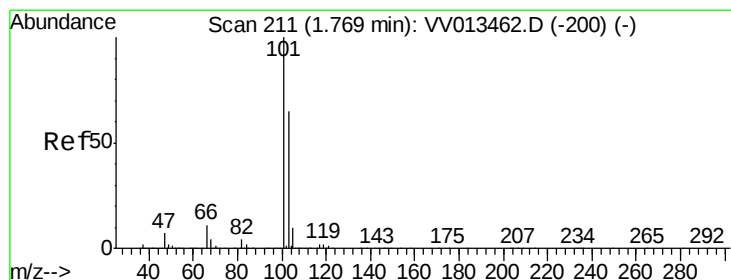
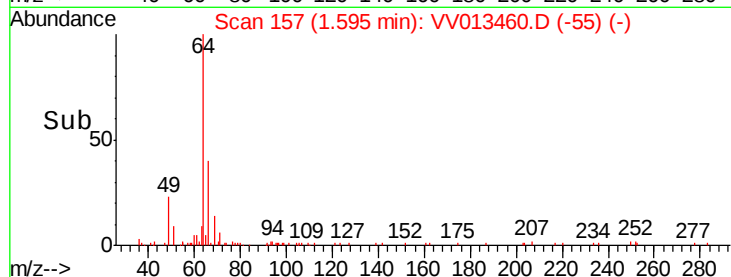
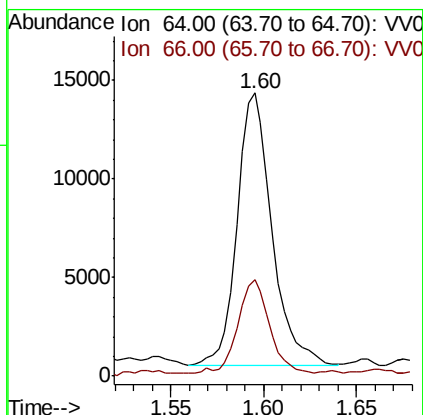
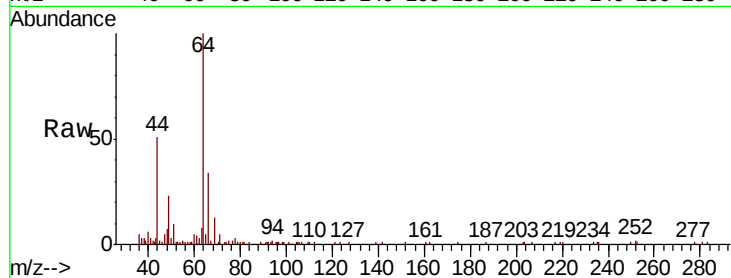
ClientSampleId :

Tot Ion: 64 Resp: 18080

Ion Ratio Lower Upper

64 100

66 34.1 22.3 41.3



#9

Trichlorofluoromethane

Concen: 2.981 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV013460.D

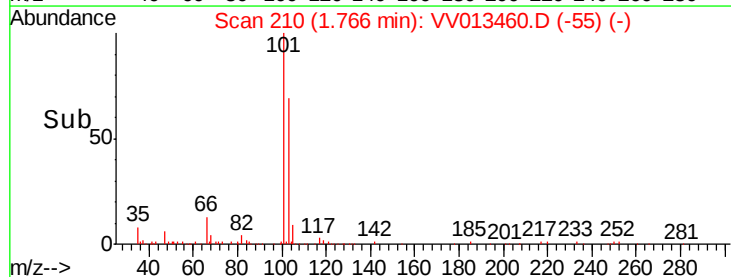
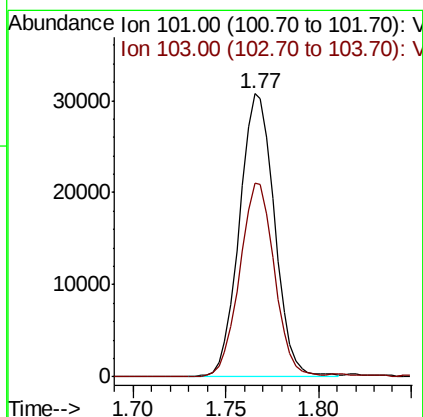
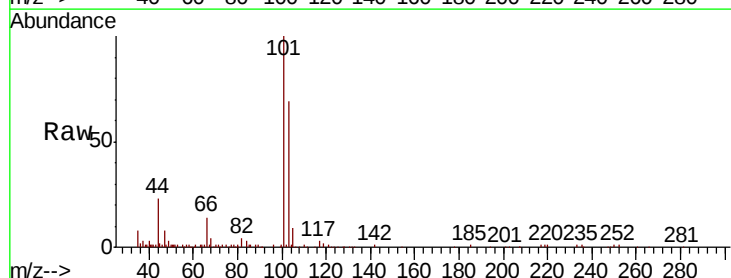
Acq: 01 Nov 2019 10:17

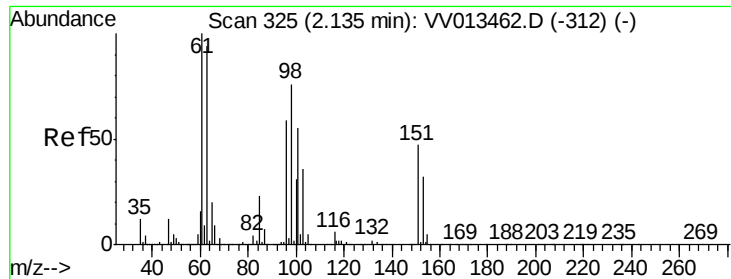
Tgt Ion: 101 Resp: 40511

Ion Ratio Lower Upper

101 100

103 67.8 45.1 83.9





#11

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

Concen: 2.745 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013460.D

Acq: 01 Nov 2019 10:17

Instrument :

MSVOA_V

ClientSampleId :

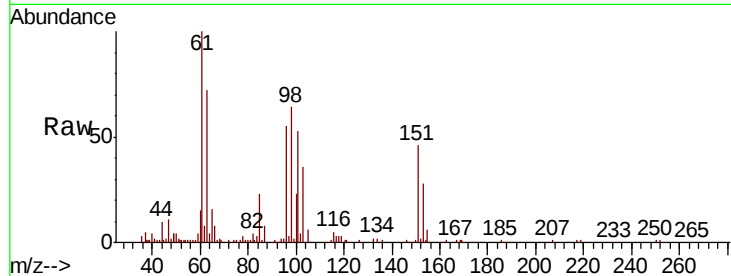
Tot Ion:101 Resp: 23770

Ion Ratio Lower Upper

101 100

85 44.4 33.1 49.7

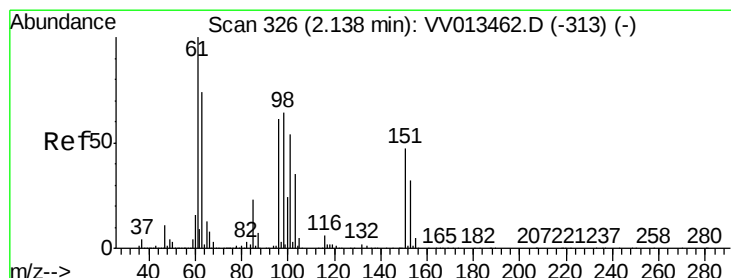
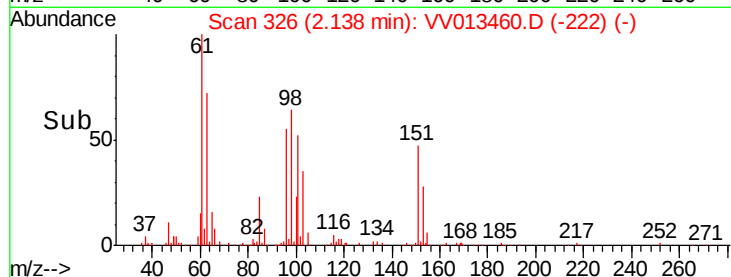
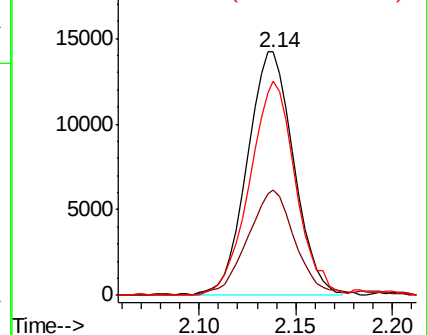
151 86.7 68.3 102.5



Abundance Ion 101.00 (100.70 to 101.70): VV013460.D (-222) (-)

Ion 85.00 (84.70 to 85.70): VV013460.D (-222) (-)

Ion 151.00 (150.70 to 151.70): VV013460.D (-222) (-)



#12

1,1-Dichloroethene

Concen: 2.799 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013460.D

Acq: 01 Nov 2019 10:17

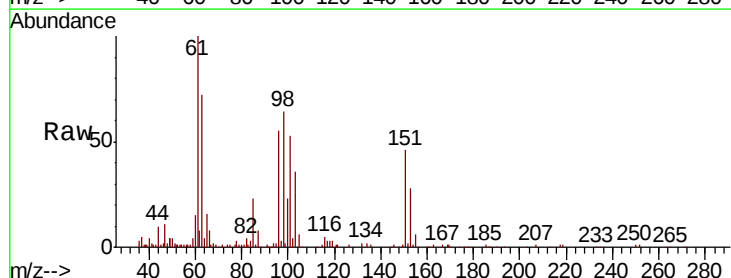
Tgt Ion: 96 Resp: 22431

Ion Ratio Lower Upper

96 100

61 182.2 114.7 212.9

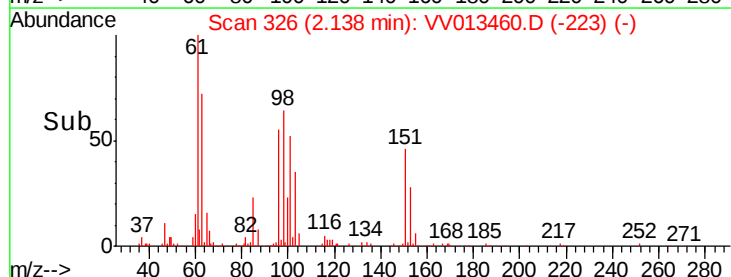
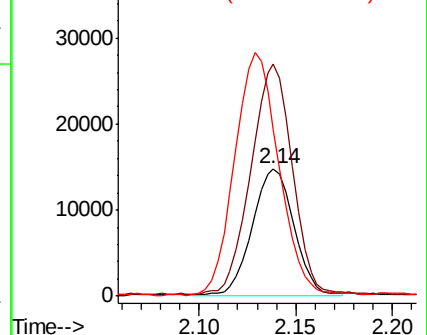
63 131.0 84.7 157.3

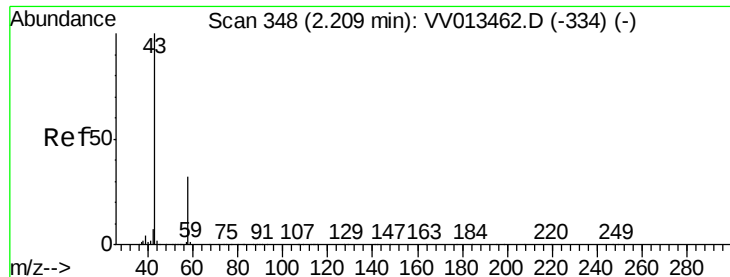


Abundance Ion 96.00 (95.70 to 96.70): VV013460.D (-223) (-)

Ion 61.00 (60.70 to 61.70): VV013460.D (-223) (-)

Ion 63.00 (62.70 to 63.70): VV013460.D (-223) (-)





#13

Acetone

Concen: 9.874 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.03 min

Lab File: VV013460.D

Acq: 01 Nov 2019 10:17

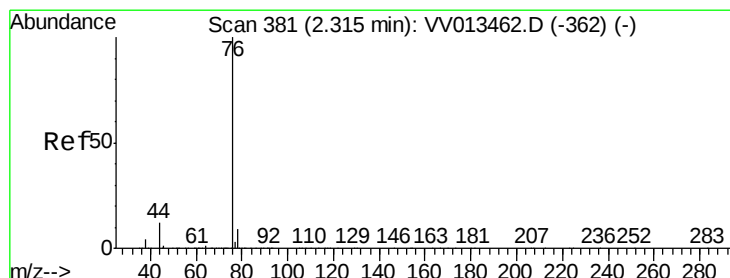
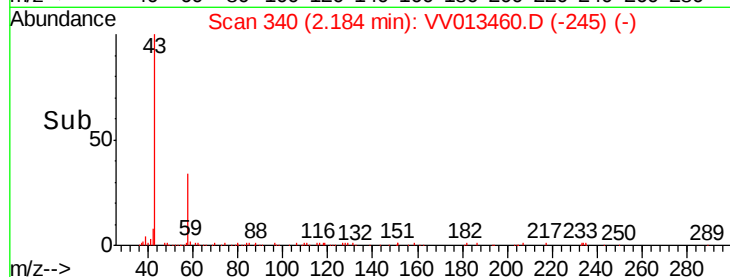
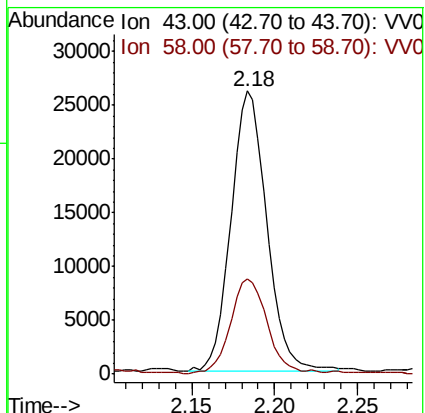
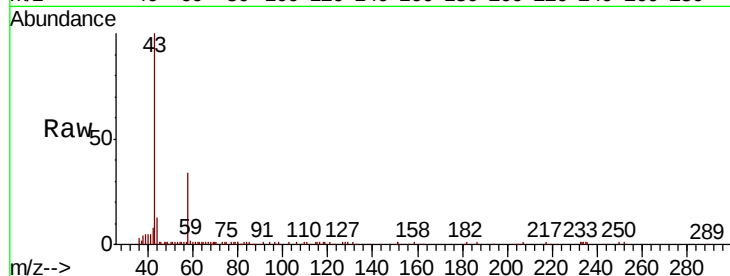
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 38976

Ion Ratio Lower Upper

43 100

58 35.0 0.0 63.2



#14

Carbon disulfide

Concen: 3.206 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013460.D

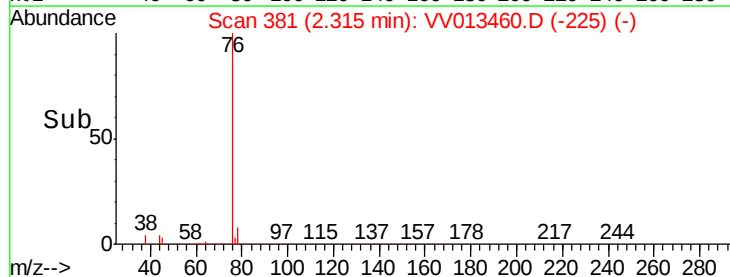
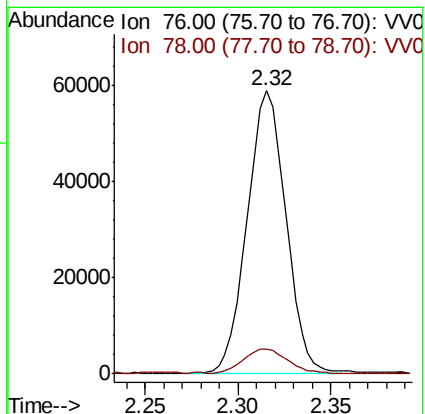
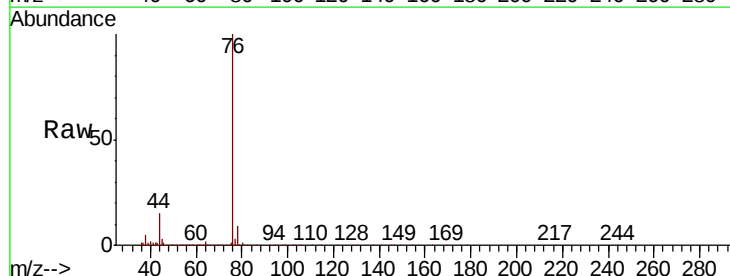
Acq: 01 Nov 2019 10:17

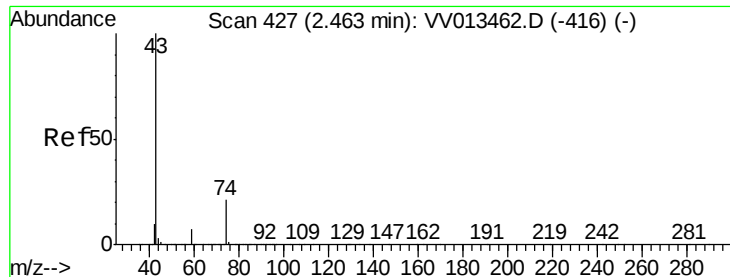
Tgt Ion: 76 Resp: 85803

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7





#15

Methvl Acetate

Concen: 3.299 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VV013460.D

Acq: 01 Nov 2019 10:17

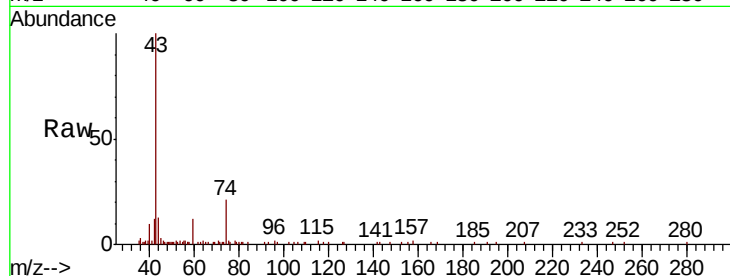
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 21315

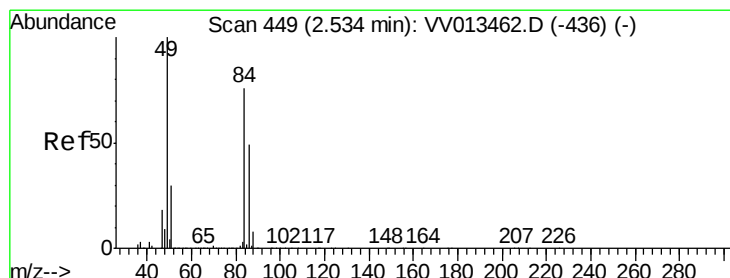
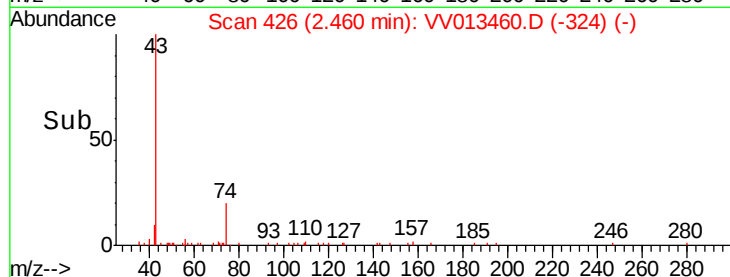
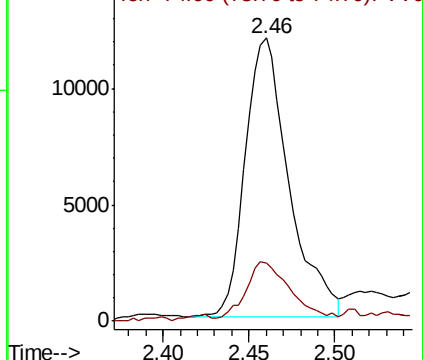
Ion Ratio Lower Upper

43 100

74 21.8 16.9 25.3



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 4.023 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV013460.D

Acq: 01 Nov 2019 10:17

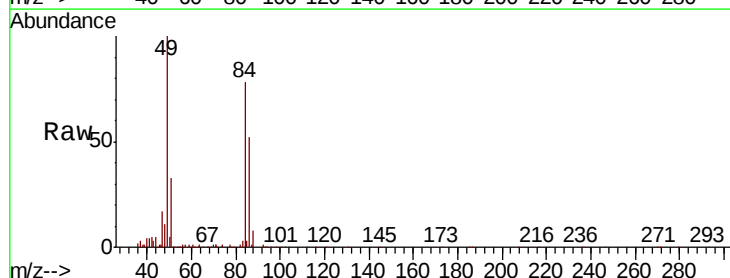
Tgt Ion: 84 Resp: 43508

Ion Ratio Lower Upper

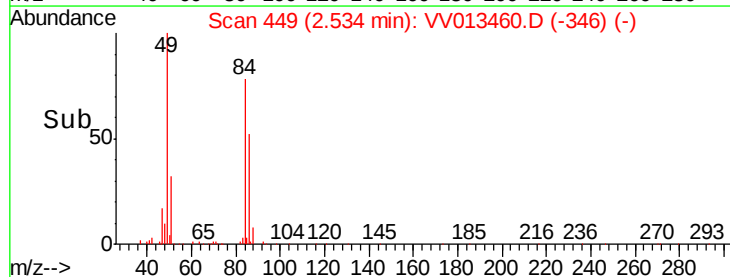
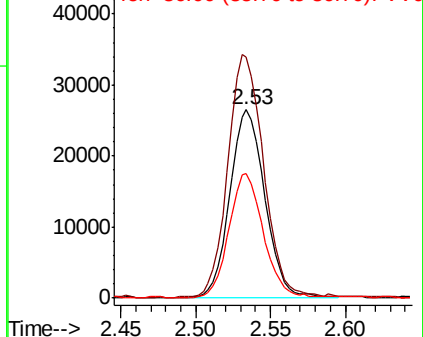
84 100

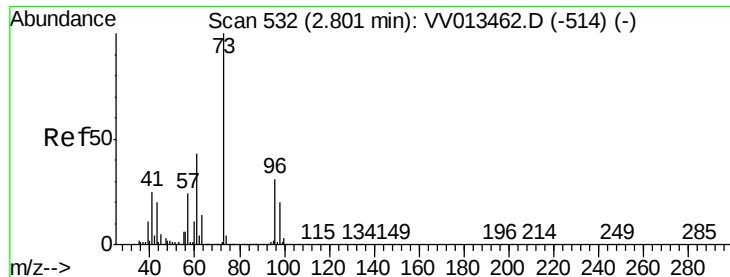
49 128.3 92.4 171.6

86 66.4 45.1 83.7



Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 49.00 (48.70 to 49.70): VV0
Ion 86.00 (85.70 to 86.70): VV0



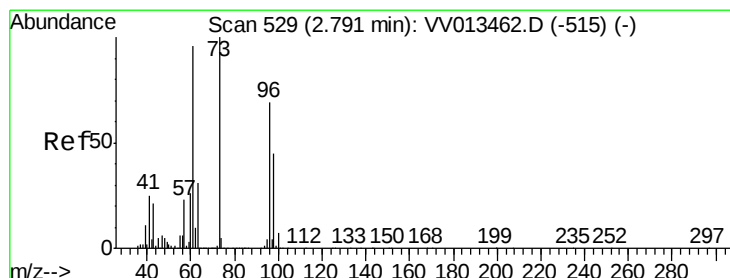
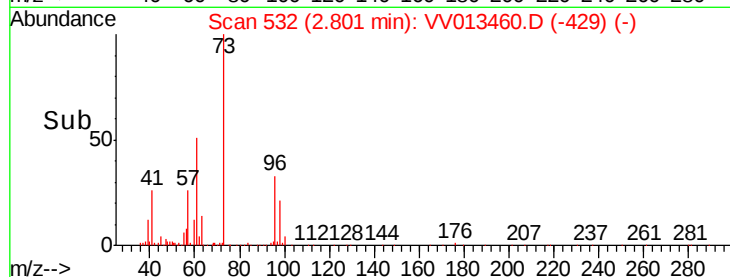
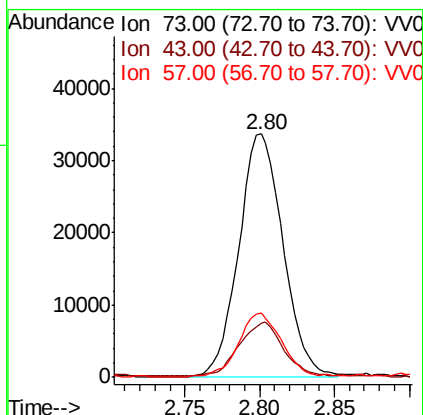
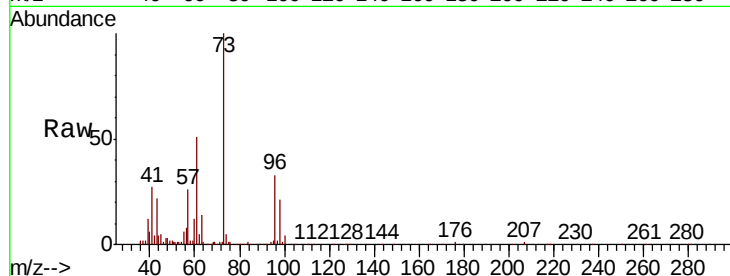


#17

Methvl tert-butvl Ether
 Concen: 2.866 ug/L
 RT: 2.80 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VV013460.D
 Acq: 01 Nov 2019 10:17

Instrument :
 MSVOA_V
 ClientSampleId :

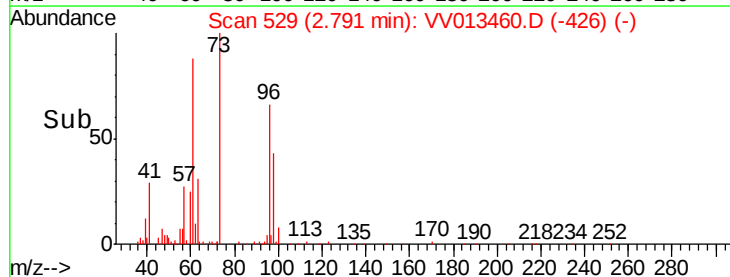
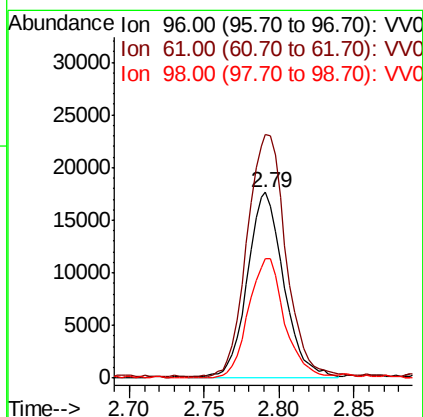
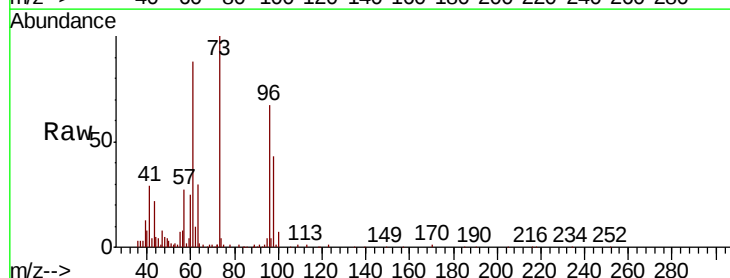
Tot Ion	Ratio	Lower	Upper
73	100		
43	22.5	16.2	24.2
57	26.0	18.6	27.8

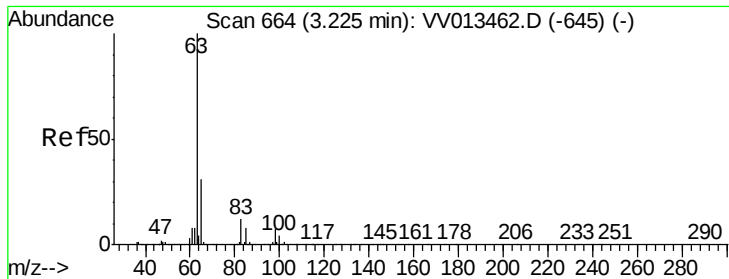


#18

trans-1,2-Dichloroethene
 Concen: 3.076 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VV013460.D
 Acq: 01 Nov 2019 10:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	131.1	98.0	182.0
98	64.1	45.6	84.8

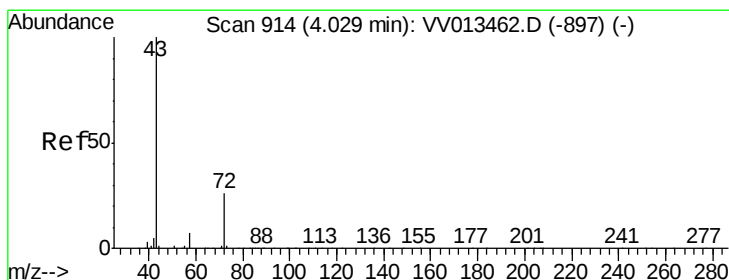
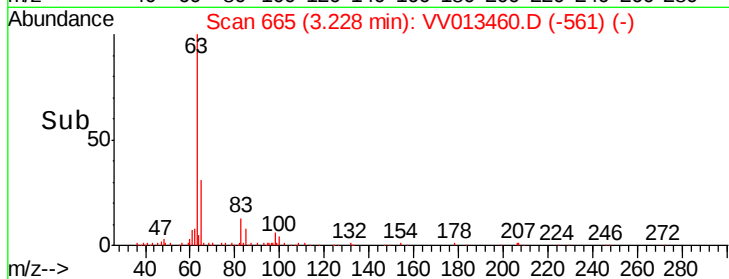
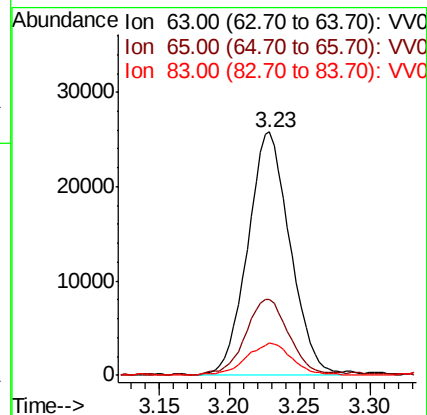
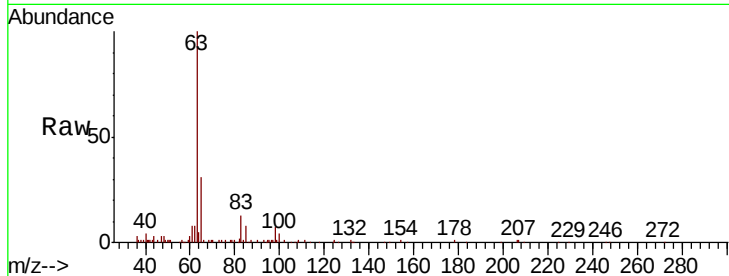




#19
 1,1-Dichloroethane
 Concen: 3.042 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV013460.D
 Acq: 01 Nov 2019 10:17

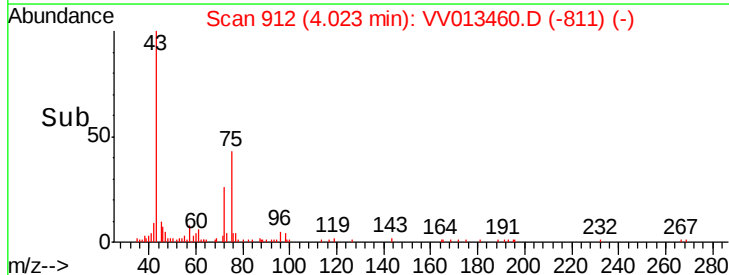
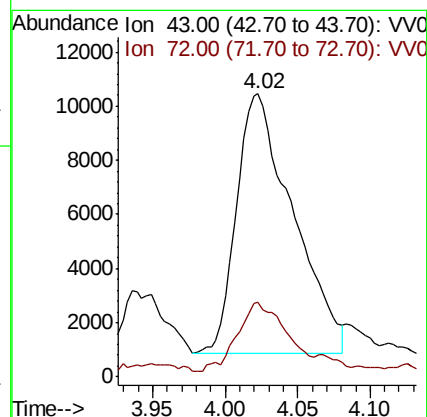
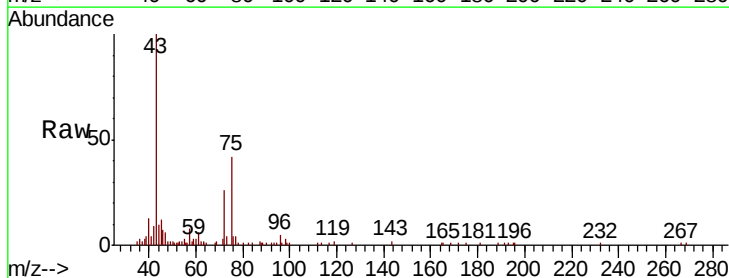
Instrument :
 MSVOA_V
 ClientSampleId :

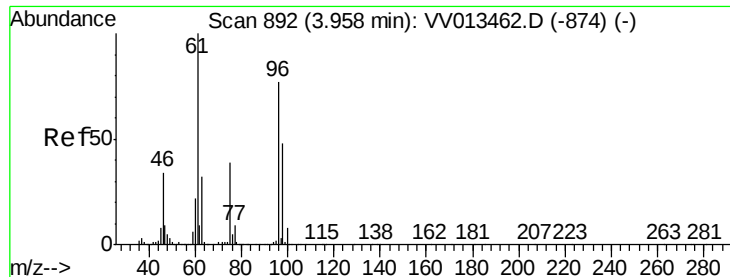
Tot Ion: 63 Resp: 54237
 Ion Ratio Lower Upper
 63 100
 65 31.1 21.7 40.3
 83 13.2 8.8 16.3



#21
 2-Butanone
 Concen: 5.498 ug/L
 RT: 4.02 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: VV013460.D
 Acq: 01 Nov 2019 10:17

Tgt Ion: 43 Resp: 25716
 Ion Ratio Lower Upper
 43 100
 72 18.9 12.1 36.3



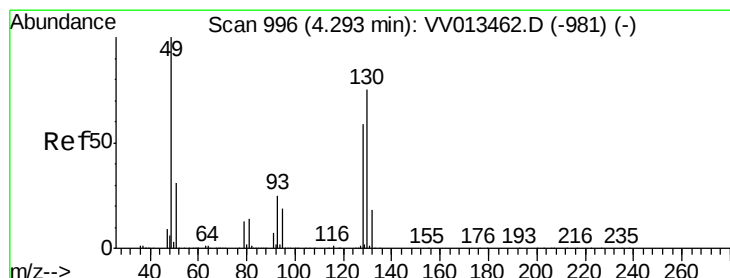
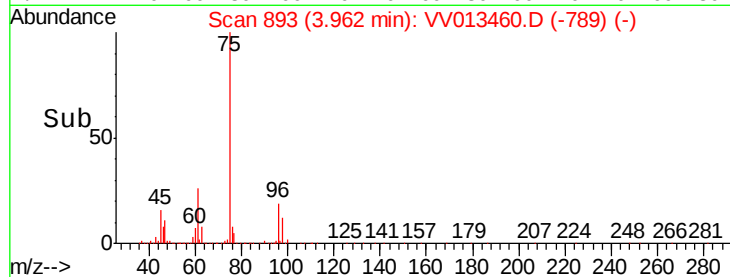
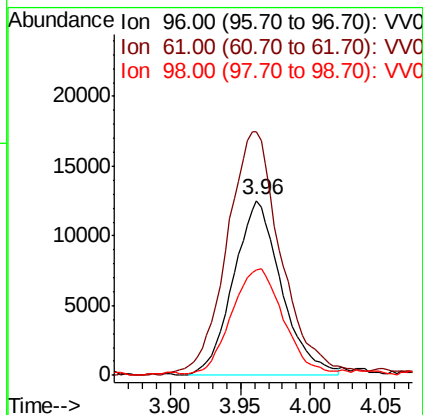
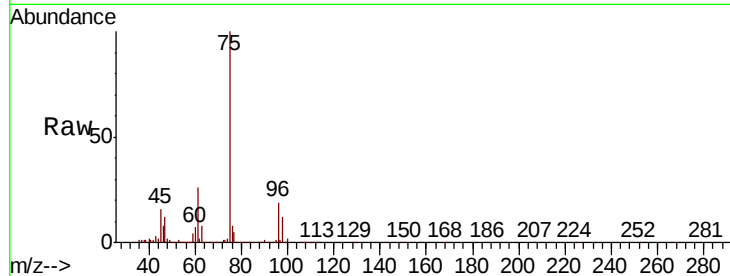


#22

cis-1,2-Dichloroethene
Concen: 2.826 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV013460.D
Acq: 01 Nov 2019 10:17

Instrument :
MSVOA_V
ClientSampleId :

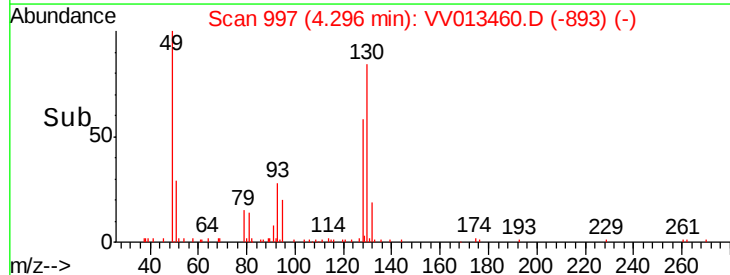
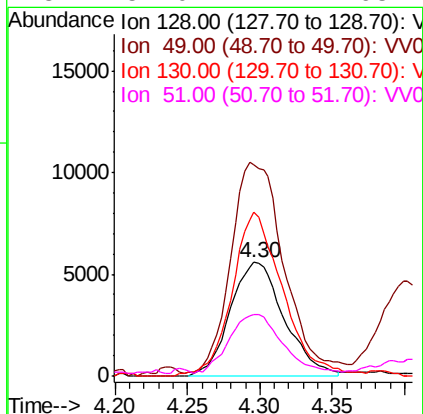
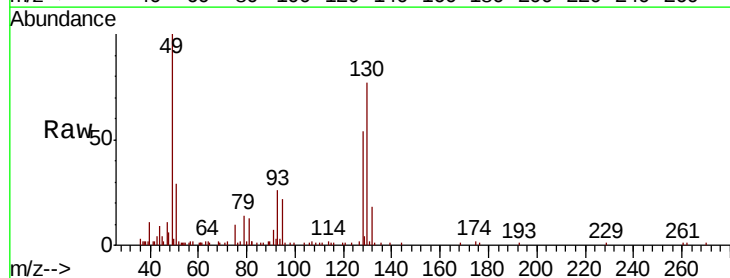
Tot Ion	96	Resp	29909
Ion	Ratio	Lower	Upper
96	100		
61	139.2	91.5	169.9
98	60.5	43.8	81.3

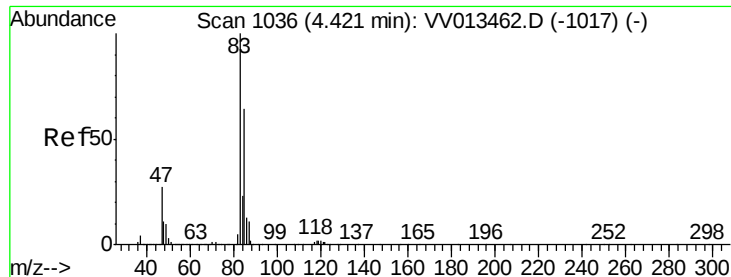


#23

Bromochloromethane
Concen: 2.789 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV013460.D
Acq: 01 Nov 2019 10:17

Tgt Ion	128	Resp	14517
Ion	Ratio	Lower	Upper
128	100		
49	186.0	118.2	219.4
130	143.9	89.0	165.4
51	54.0	42.2	63.4





#25

Chloroform

Concen: 3.086 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV013460.D

Acq: 01 Nov 2019 10:17

Instrument :

MSVOA_V

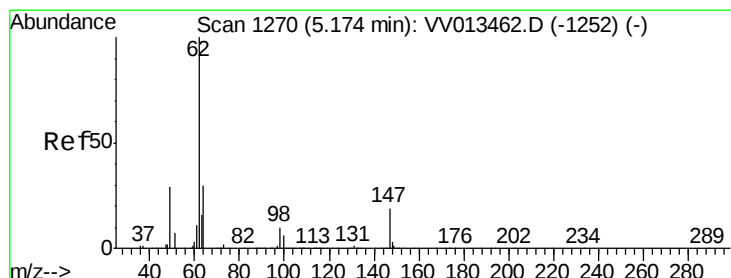
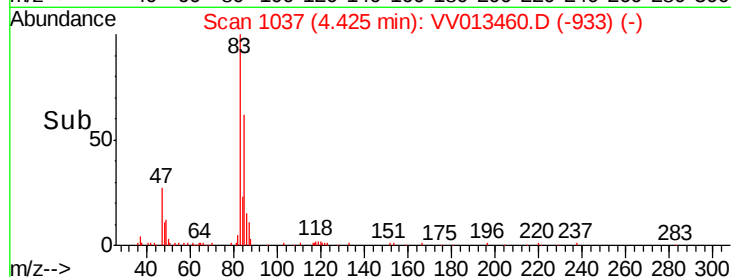
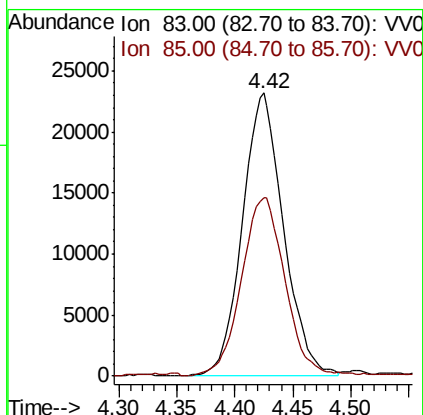
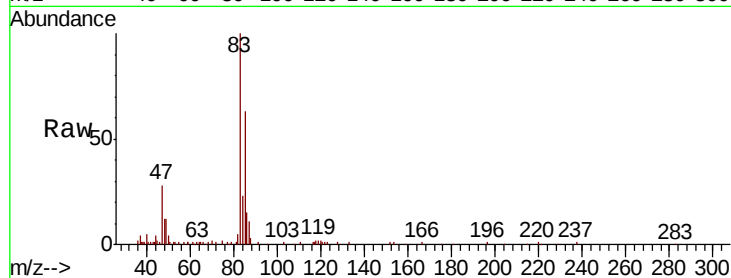
ClientSampleId :

Tot Ion: 83 Resp: 57288

Ion Ratio Lower Upper

83 100

85 66.3 45.8 85.0



#27

1,2-Dichloroethane

Concen: 2.811 ug/L

RT: 5.18 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VV013460.D

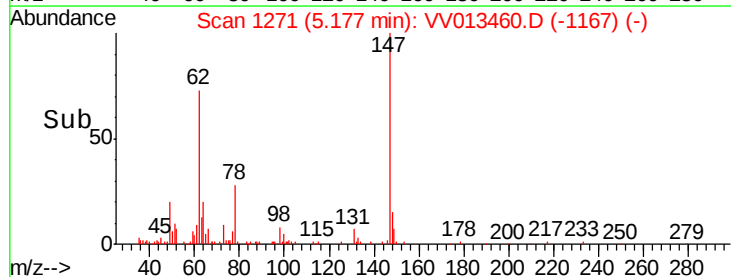
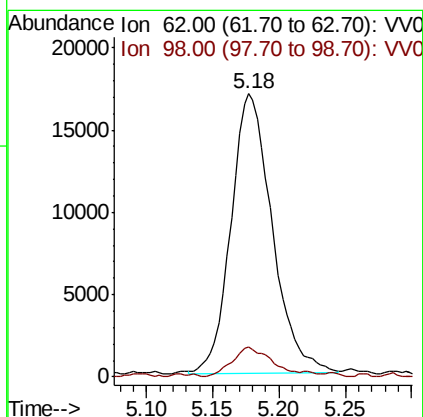
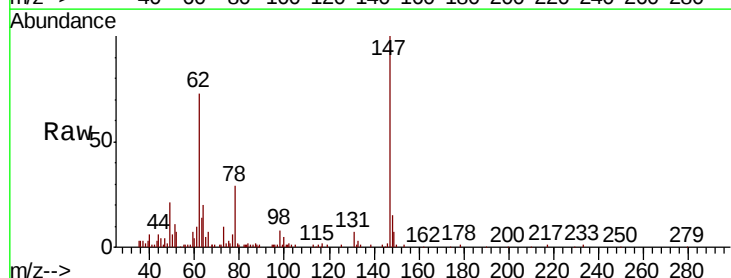
Acq: 01 Nov 2019 10:17

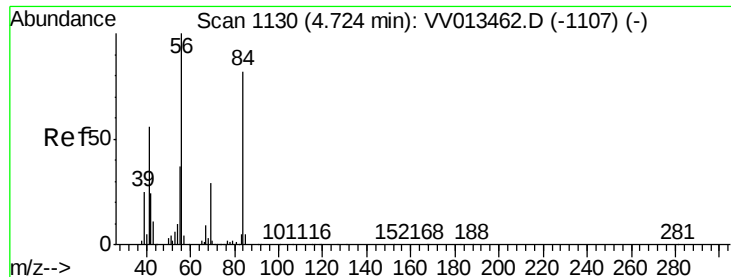
Tgt Ion: 62 Resp: 36745

Ion Ratio Lower Upper

62 100

98 10.8 7.8 11.6

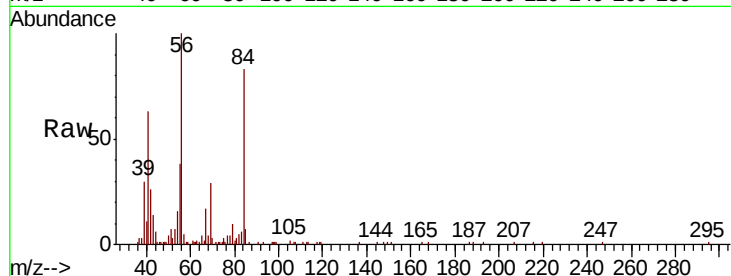




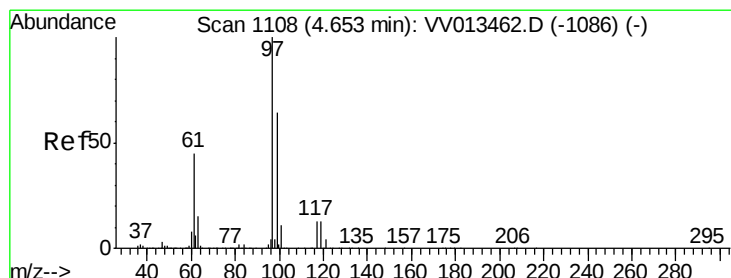
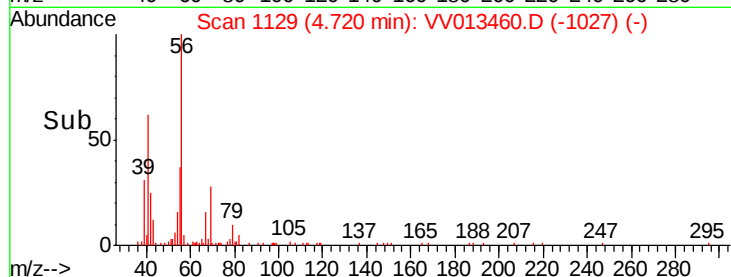
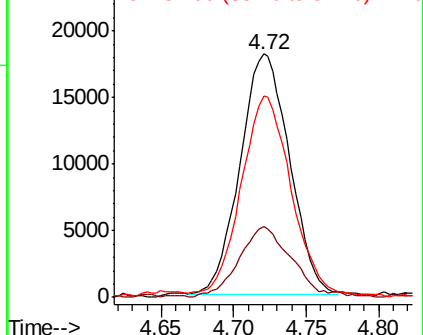
#30
Cyclohexane
Concen: 2.636 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VV013460.D
Acq: 01 Nov 2019 10:17

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.5	23.0	34.6
84	84.9	66.2	99.4

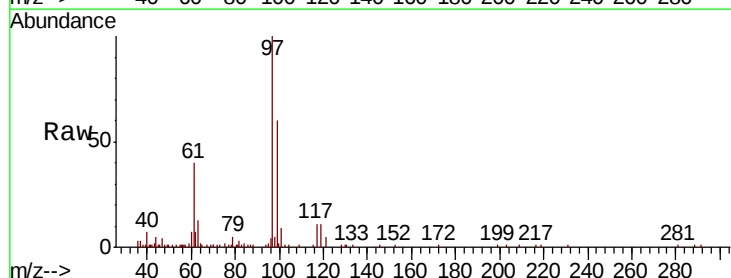


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

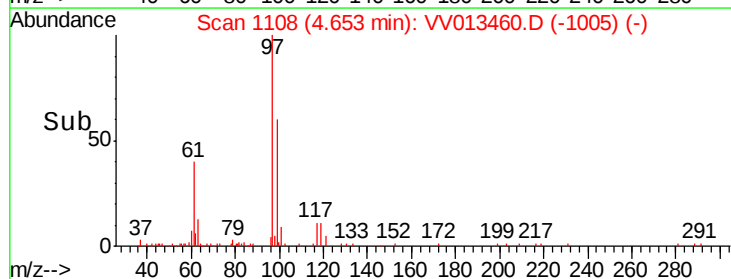
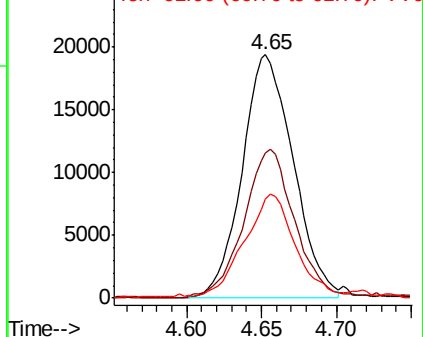


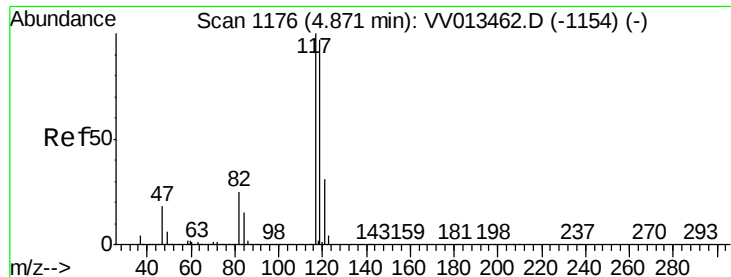
#31
1,1,1-Trichloroethane
Concen: 3.064 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VV013460.D
Acq: 01 Nov 2019 10:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.4	51.1	76.7
61	41.4	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: 2.858 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV013460.D

Acq: 01 Nov 2019 10:17

Instrument :

MSVOA_V

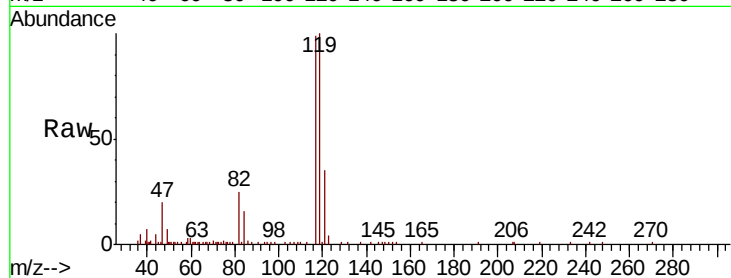
ClientSampleId :

Tot Ion:117 Resp: 38996

Ion Ratio Lower Upper

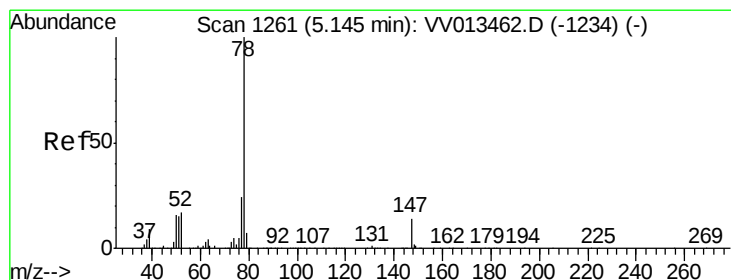
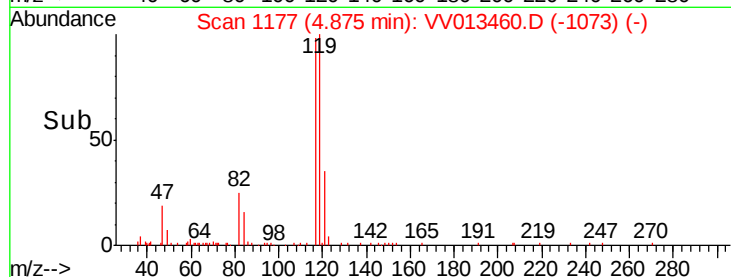
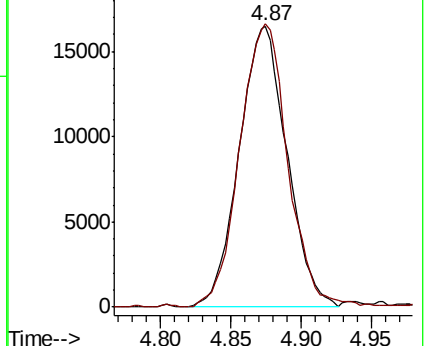
117 100

119 101.0 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: 2.802 ug/L

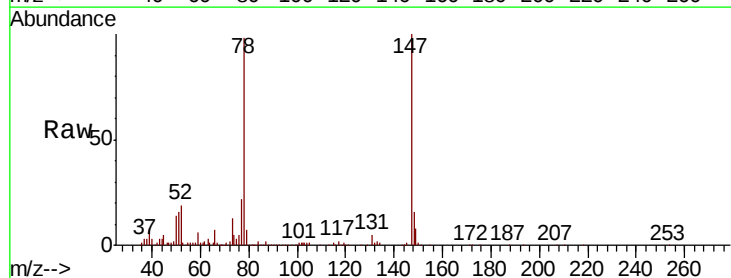
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

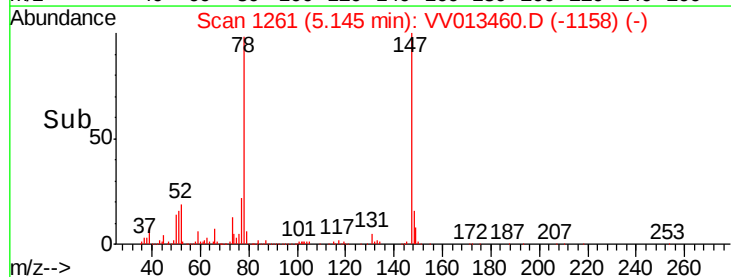
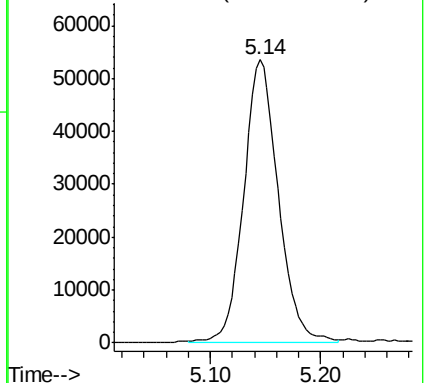
Lab File: VV013460.D

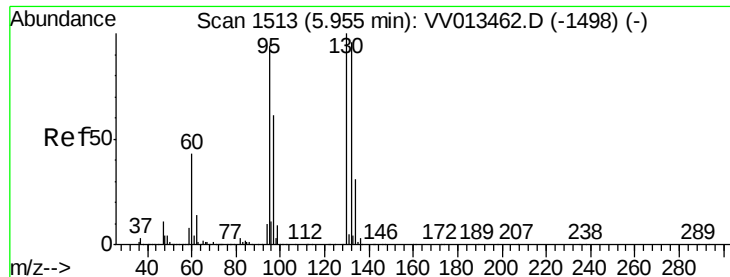
Acq: 01 Nov 2019 10:17

Tgt Ion: 78 Resp: 116193



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 2.705 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013460.D

Acq: 01 Nov 2019 10:17

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 31105

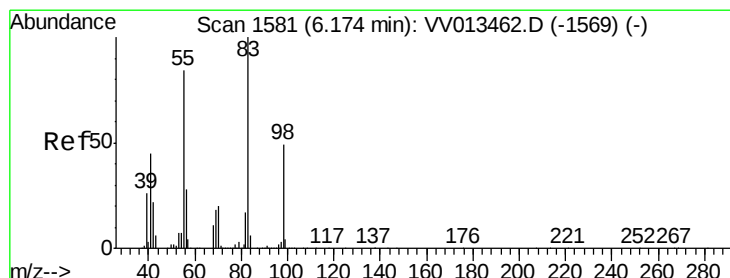
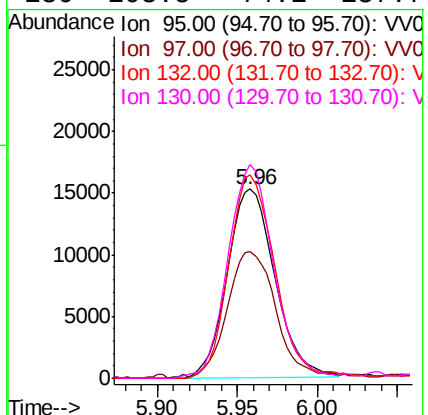
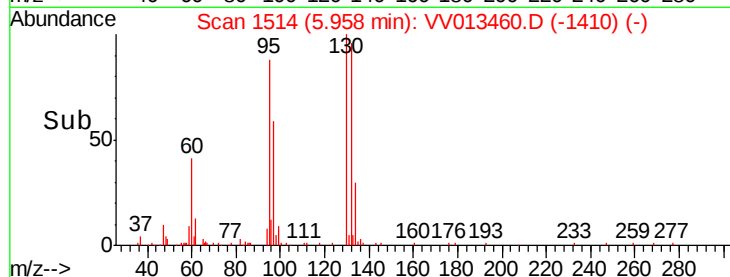
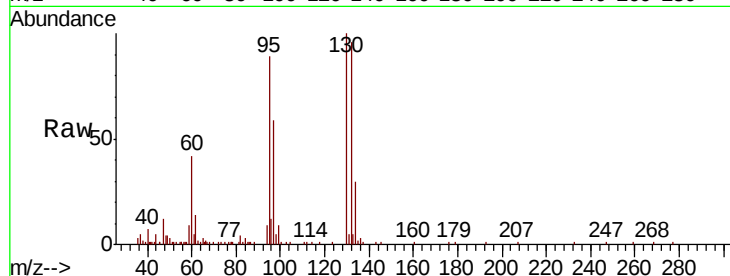
Ion Ratio Lower Upper

95 100

97 68.6 44.7 83.1

132 104.1 71.0 131.8

130 108.5 74.1 137.7



#36

Methylcyclohexane

Concen: 2.478 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV013460.D

Acq: 01 Nov 2019 10:17

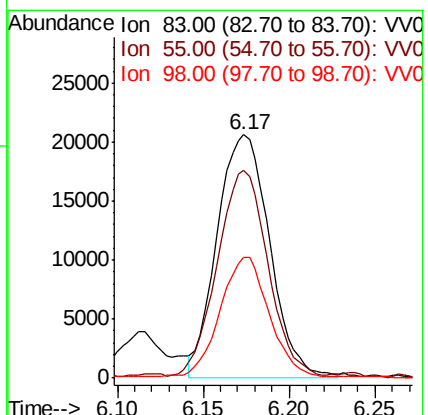
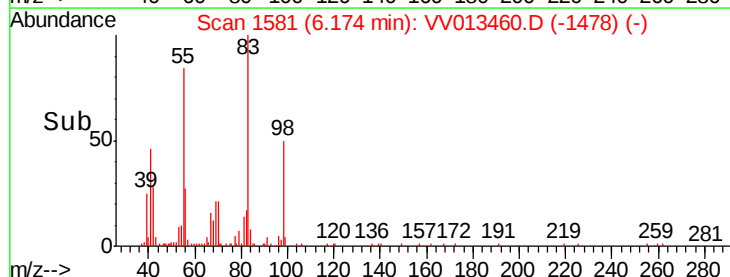
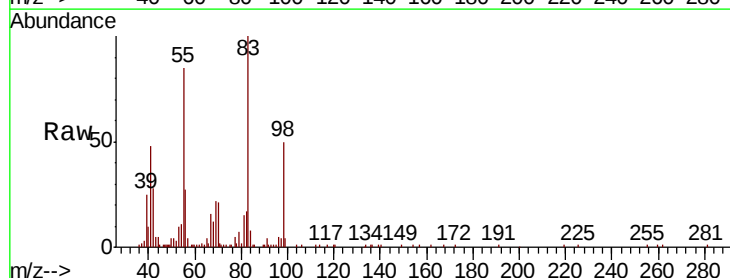
Tgt Ion: 83 Resp: 43982

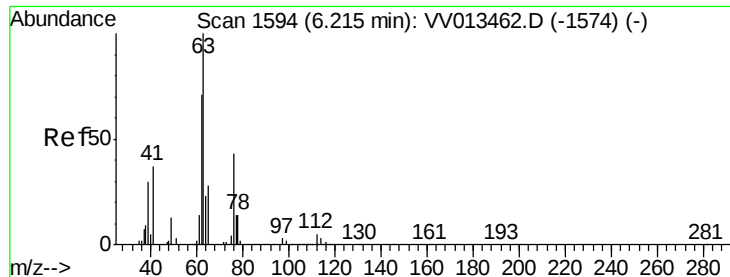
Ion Ratio Lower Upper

83 100

55 81.8 64.2 96.4

98 46.6 38.4 57.6





#40

1,2-Dichloropropane

Concen: 2.640 ug/L

RT: 6.22 min Scan# 1594

Delta R.T. 0.00 min

Lab File: VV013460.D

Acq: 01 Nov 2019 10:17

Instrument :

MSVOA_V

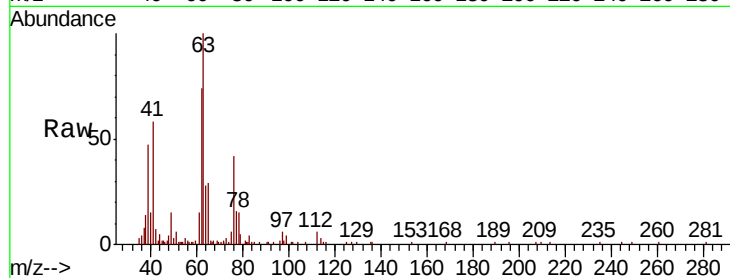
ClientSampleId :

Tot Ion: 63 Resp: 28326

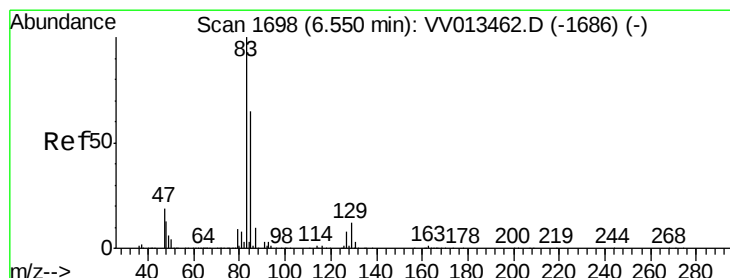
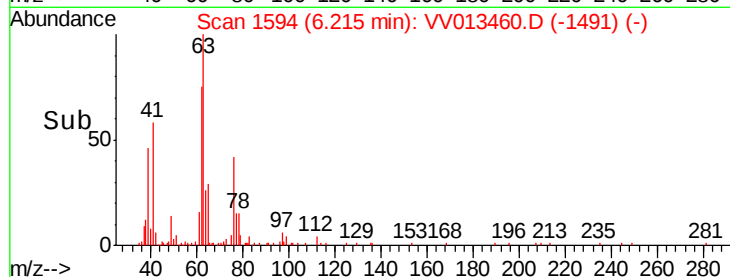
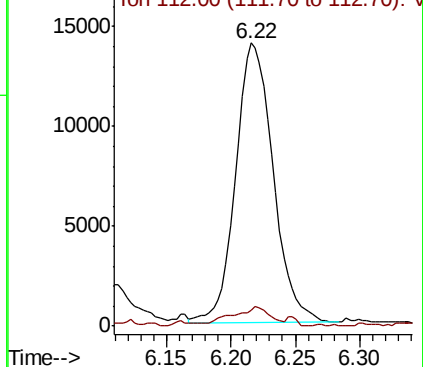
Ion Ratio Lower Upper

63 100

112 4.1 3.8 5.6



Abundance Ion 63.00 (62.70 to 63.70): VV013460.D (-1574) (-)



#41

Bromodichloromethane

Concen: 2.662 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV013460.D

Acq: 01 Nov 2019 10:17

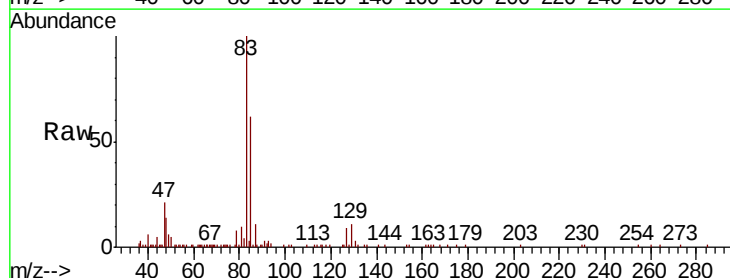
Tgt Ion: 83 Resp: 36530

Ion Ratio Lower Upper

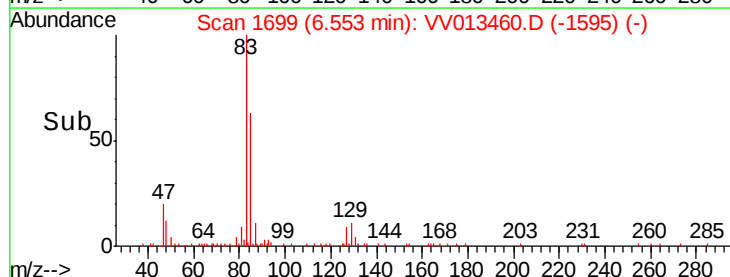
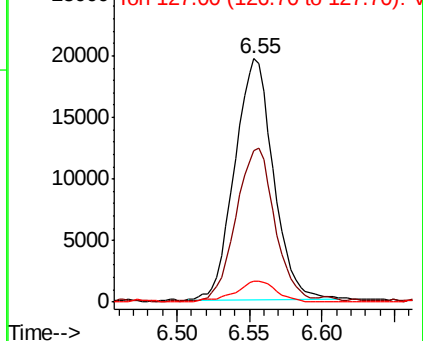
83 100

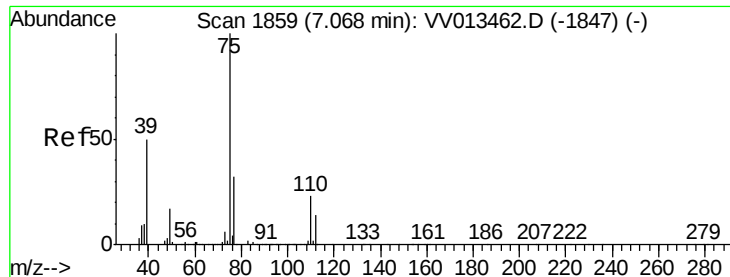
85 62.3 45.4 84.4

127 8.7 6.7 10.1



Abundance Ion 83.00 (82.70 to 83.70): VV013460.D (-1686) (-)



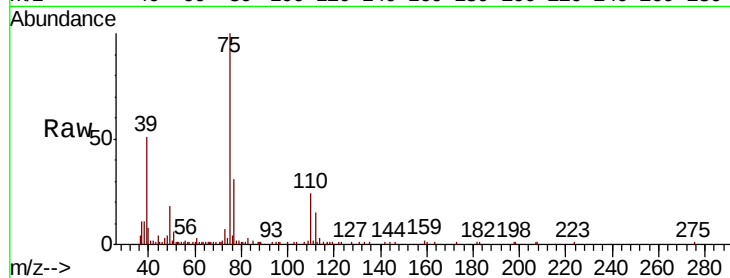


#42

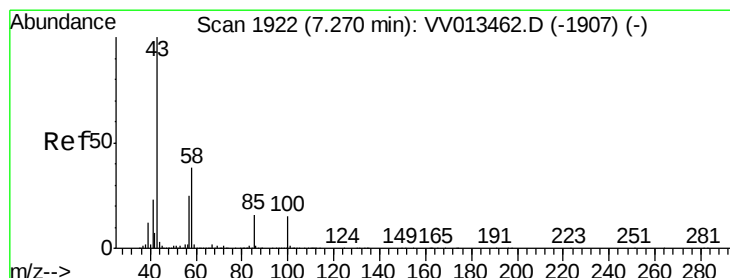
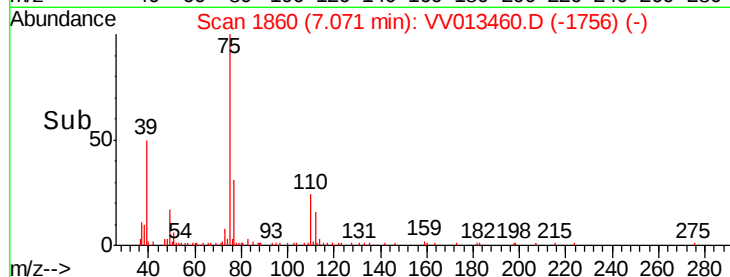
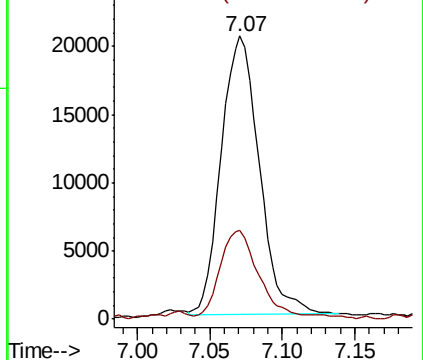
cis-1,3-Dichloropropene
Concen: 2.383 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV013460.D
Acq: 01 Nov 2019 10:17

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 37314
Ion Ratio Lower Upper
75 100
77 31.2 22.7 42.1



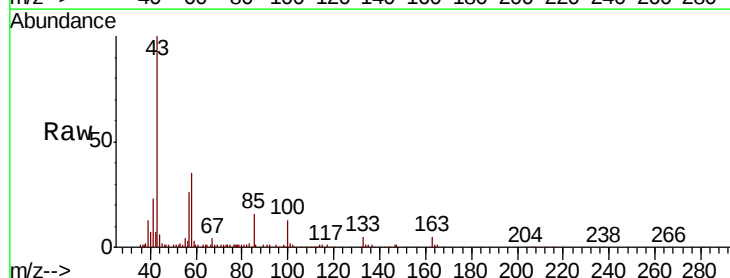
Abundance Ion 75.00 (74.70 to 75.70): VV013460.D (-1756) (-)
Ion 77.00 (76.70 to 77.70): VV013460.D (-1756) (-)



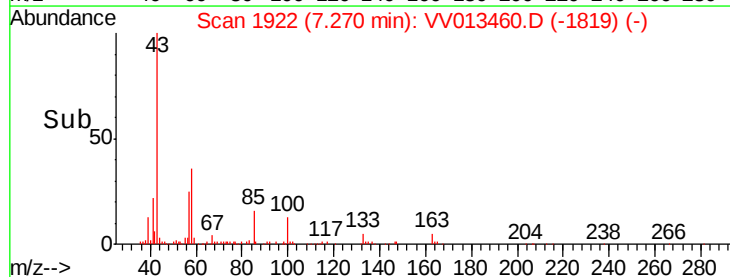
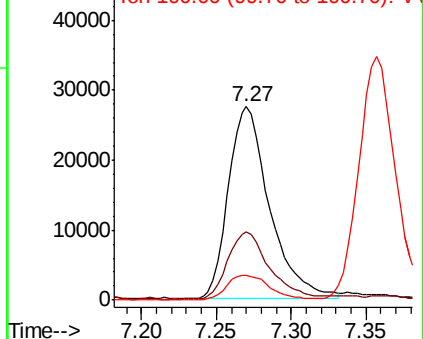
#43

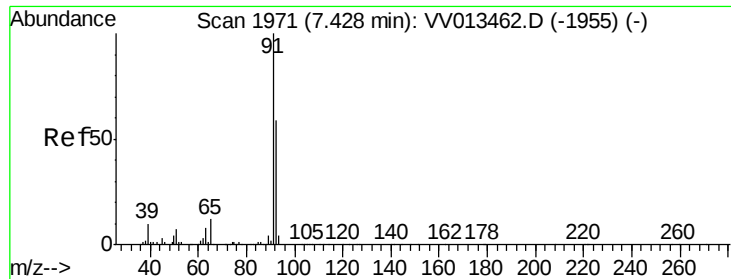
4-Methyl-2-pentanone
Concen: 5.938 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VV013460.D
Acq: 01 Nov 2019 10:17

Tgt Ion: 43 Resp: 52703
Ion Ratio Lower Upper
43 100
58 35.0 29.9 44.9
100 13.7 11.5 17.3



Abundance Ion 43.00 (42.70 to 43.70): VV013460.D (-1819) (-)
Ion 58.00 (57.70 to 58.70): VV013460.D (-1819) (-)
Ion 100.00 (99.70 to 100.70): VV013460.D (-1819) (-)





#44

Toluene

Concen: 2.581 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV013460.D

Acq: 01 Nov 2019 10:17

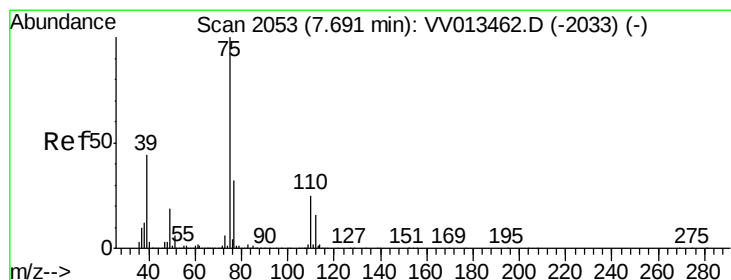
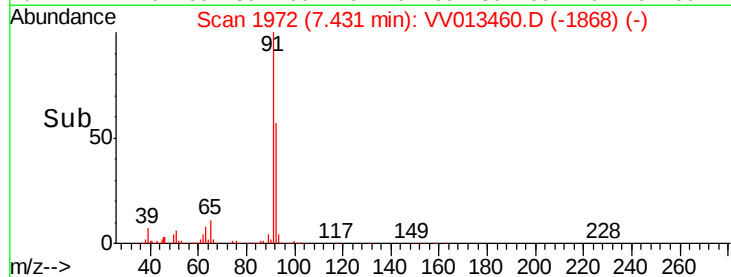
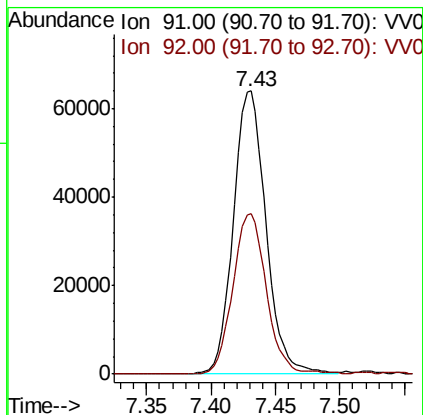
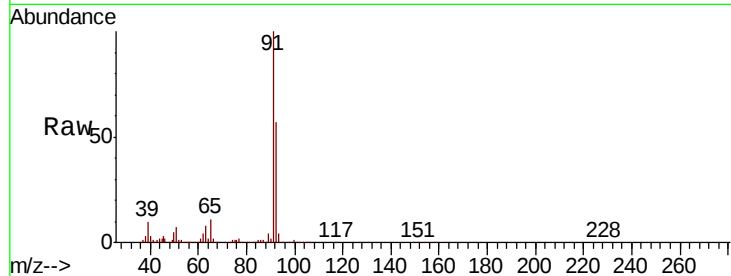
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 111962

Ion Ratio Lower Upper

91 100

92 56.6 41.4 76.8



#45

trans-1,3-Dichloropropene

Concen: 2.601 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV013460.D

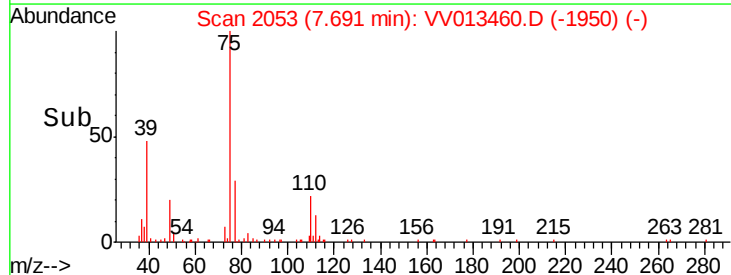
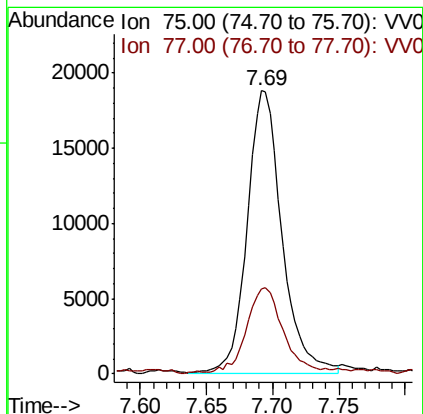
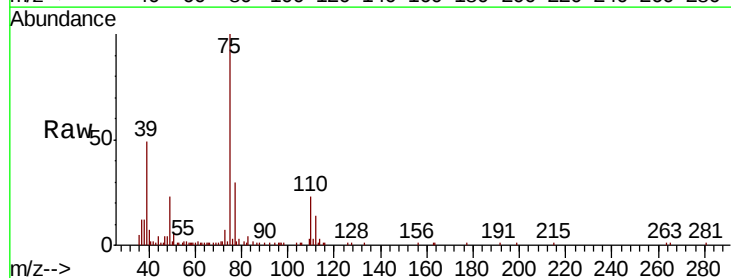
Acq: 01 Nov 2019 10:17

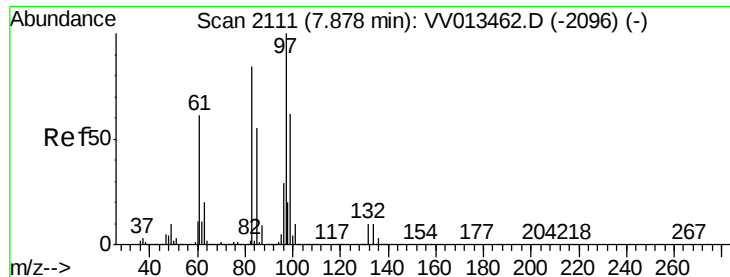
Tgt Ion: 75 Resp: 34651

Ion Ratio Lower Upper

75 100

77 30.1 22.5 41.7

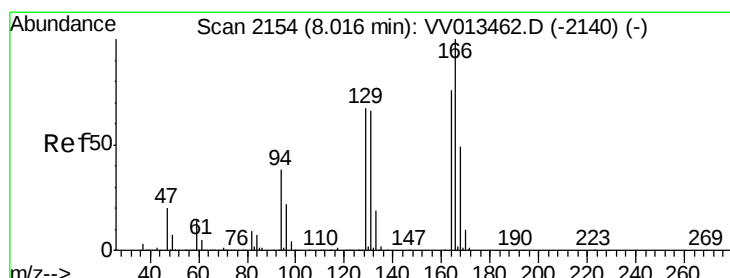
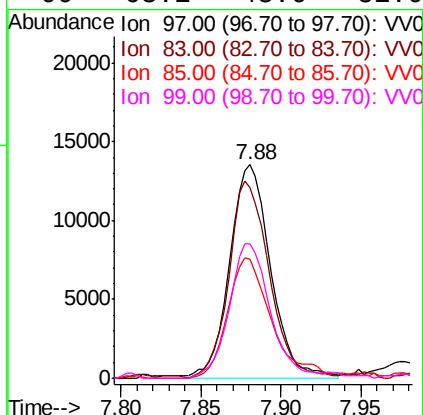
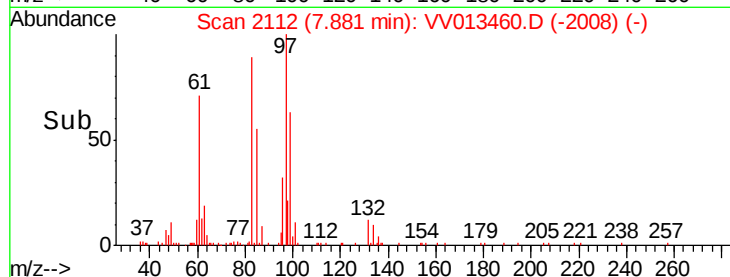
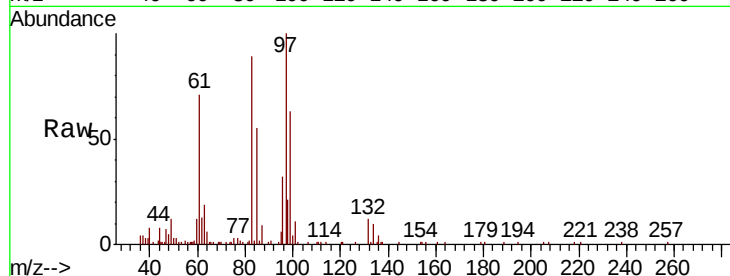




#46
1,1,2-Trichloroethane
Concen: 2.643 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. 0.00 min
Lab File: VV013460.D
Acq: 01 Nov 2019 10:17

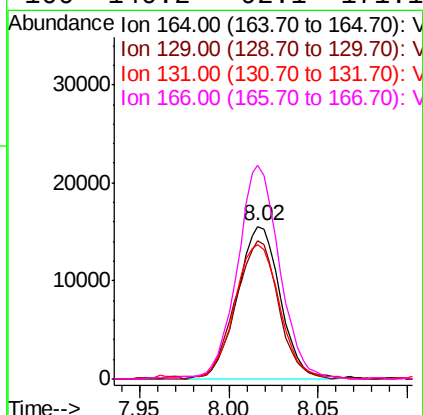
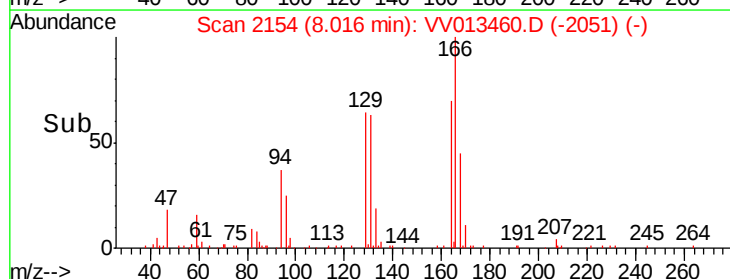
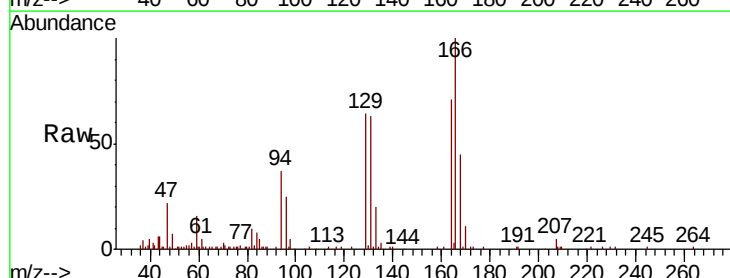
Instrument :
MSVOA_V
ClientSampleId :

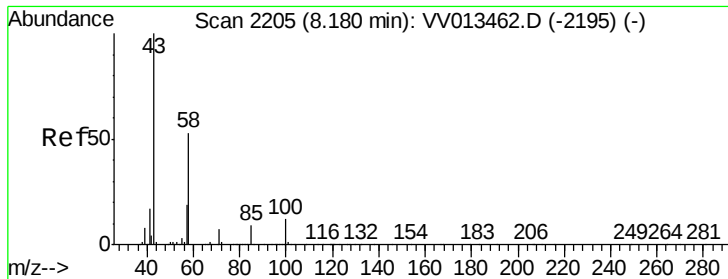
Tot Ion:	97	Resp:	23677
Ion	Ratio	Lower	Upper
97	100		
83	89.1	58.9	109.3
85	55.5	38.6	71.6
99	63.1	43.6	81.0



#47
Tetrachloroethene
Concen: 2.755 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV013460.D
Acq: 01 Nov 2019 10:17

Tgt Ion:	164	Resp:	26067
Ion	Ratio	Lower	Upper
164	100		
129	90.4	61.8	114.8
131	87.9	61.0	113.2
166	140.2	92.1	171.1

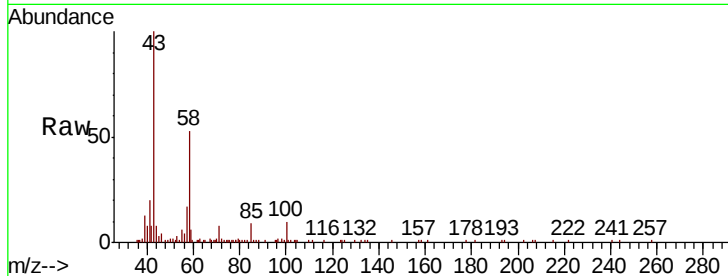




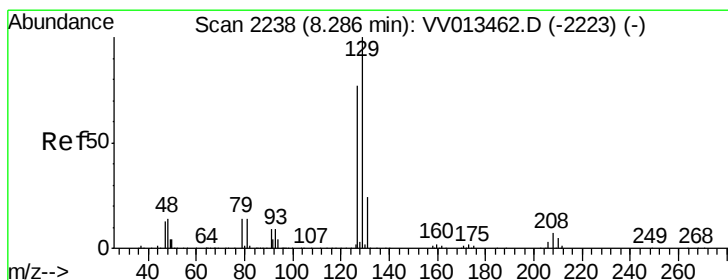
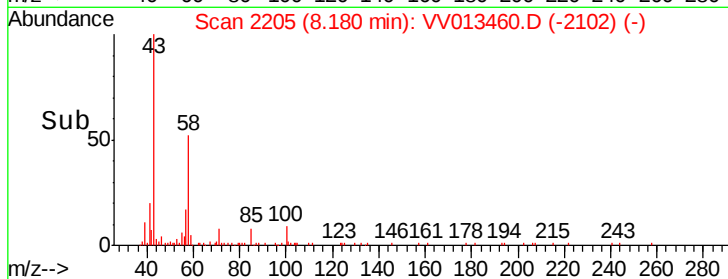
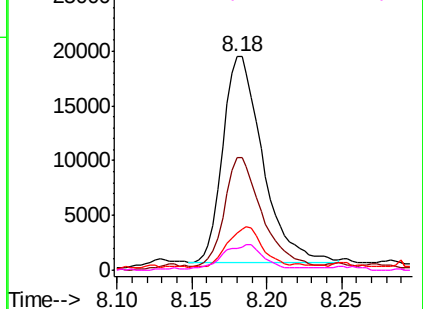
#49
2-Hexanone
Concen: 5.329 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV013460.D
Acq: 01 Nov 2019 10:17

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	43	Resp:	35118
Ion	Ratio	Lower	Upper
43	100		
58	52.8	43.8	65.8
57	16.0	15.0	22.4
100	11.4	9.4	14.2

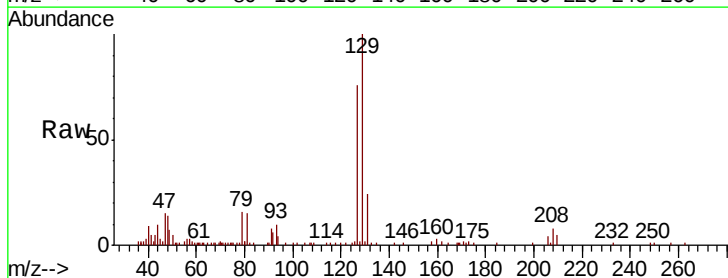


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

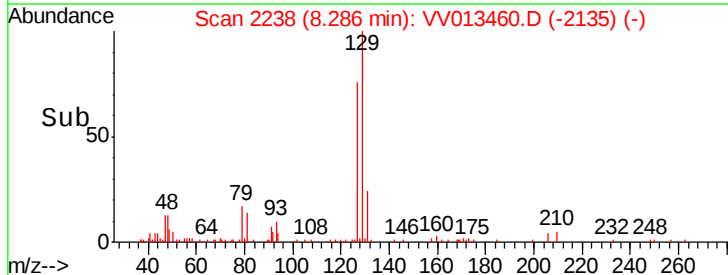
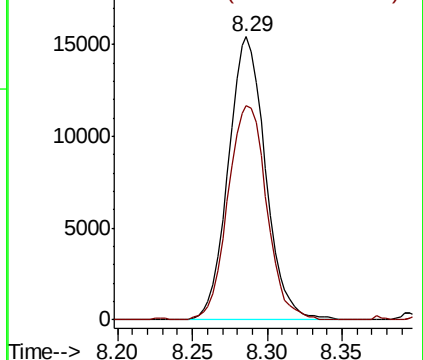


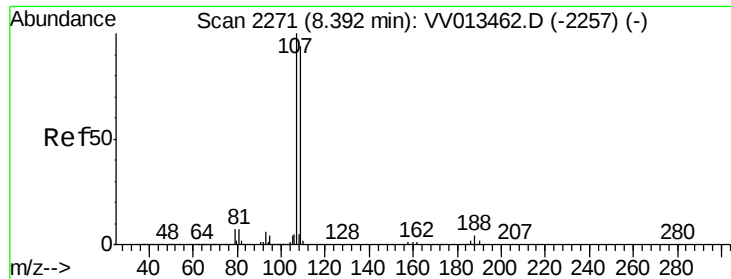
#50
Dibromochloromethane
Concen: 2.560 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013460.D
Acq: 01 Nov 2019 10:17

Tgt Ion:	129	Resp:	26644
Ion	Ratio	Lower	Upper
129	100		
127	75.6	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: 2.685 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV013460.D

Acq: 01 Nov 2019 10:17

Instrument :

MSVOA_V

ClientSampleId :

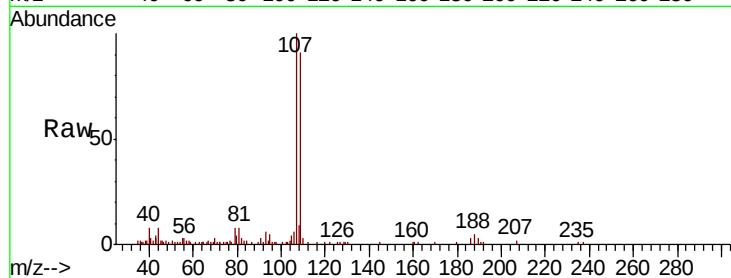
Tot Ion:107 Resp: 23771

Ion Ratio Lower Upper

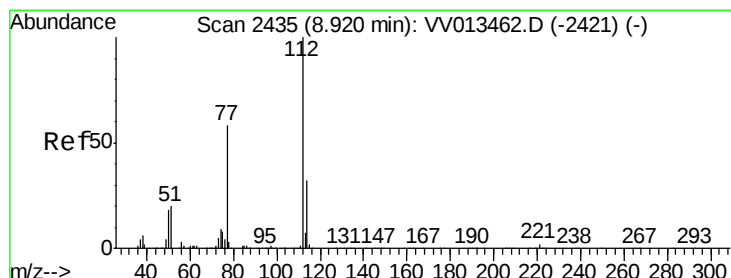
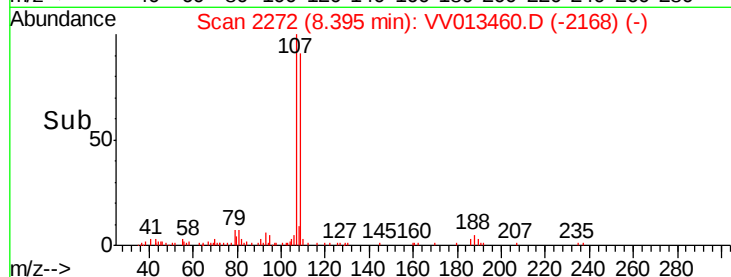
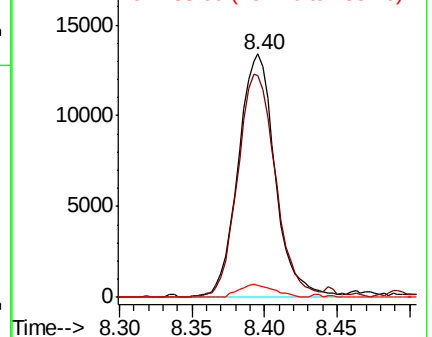
107 100

109 91.3 65.6 121.8

188 4.9 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: 2.727 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV013460.D

Acq: 01 Nov 2019 10:17

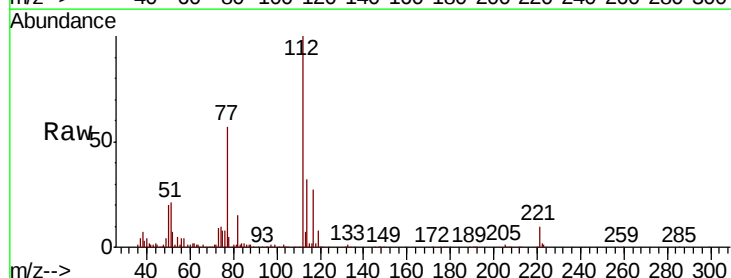
Tgt Ion:112 Resp: 81712

Ion Ratio Lower Upper

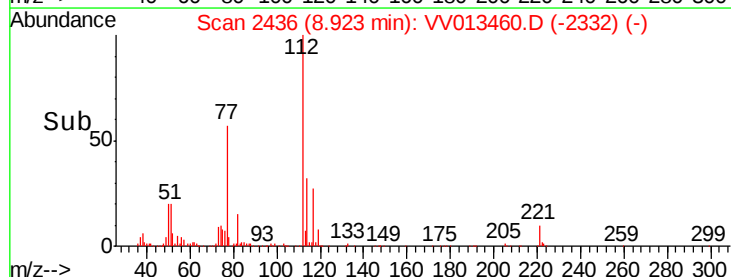
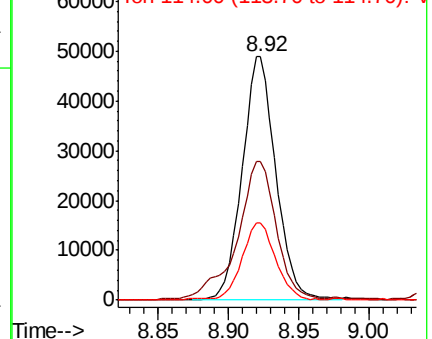
112 100

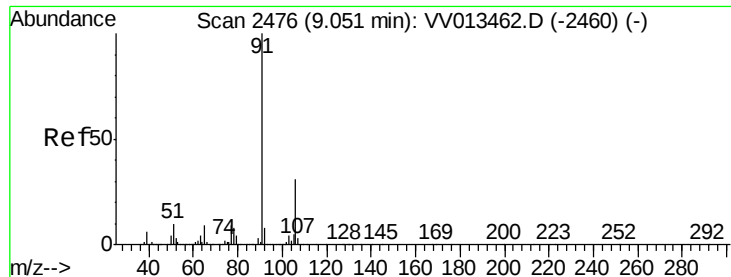
77 57.2 46.6 70.0

114 31.8 22.5 41.9



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 2.547 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013460.D

Acq: 01 Nov 2019 10:17

Instrument :

MSVOA_V

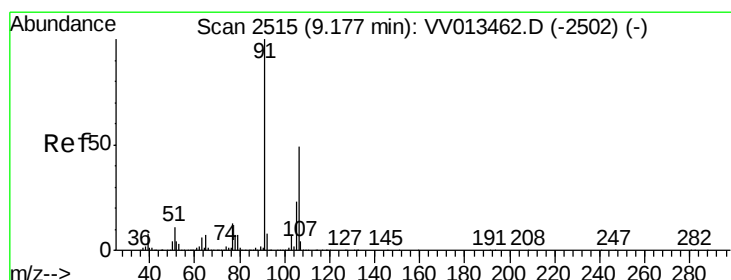
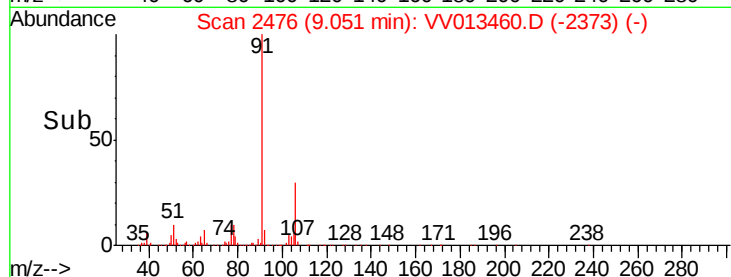
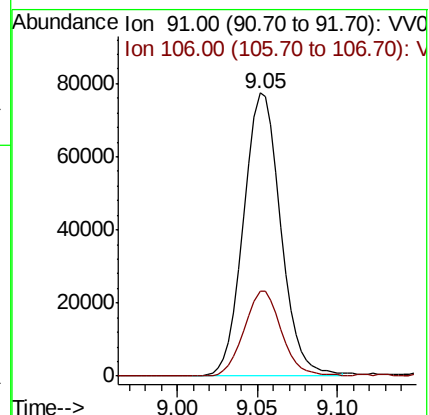
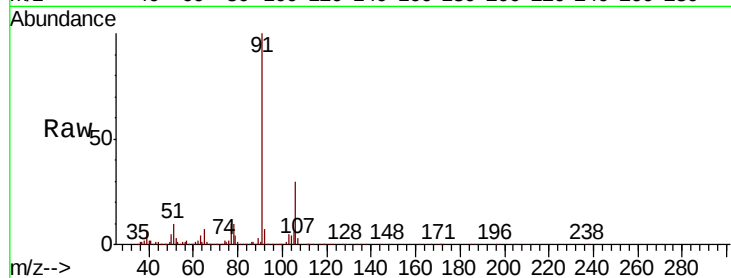
ClientSampled :

Tot Ion: 91 Resp: 122576

Ion Ratio Lower Upper

91 100

106 30.0 21.5 39.9



#54

m,p-Xylene

Concen: 2.429 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013460.D

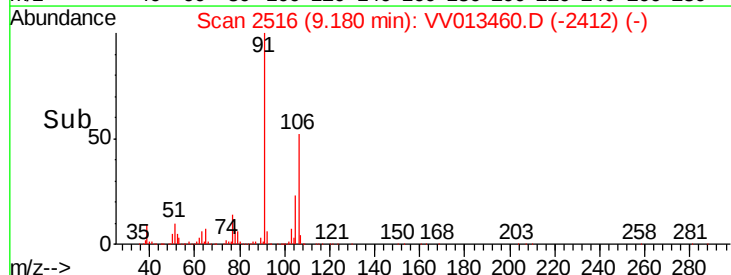
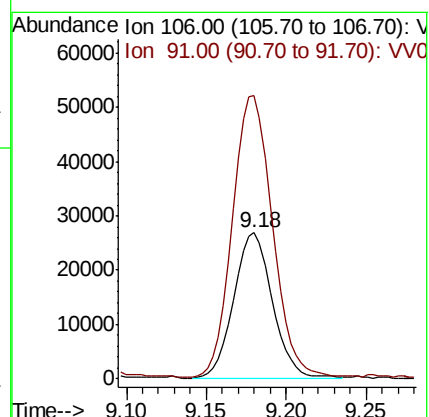
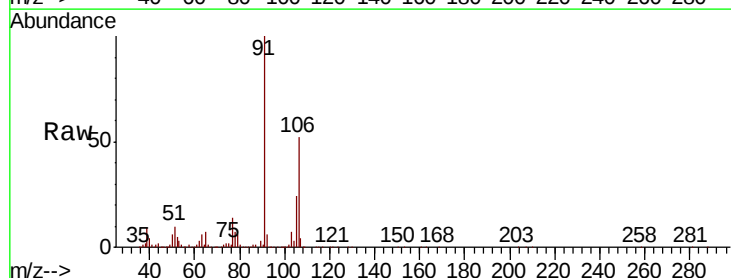
Acq: 01 Nov 2019 10:17

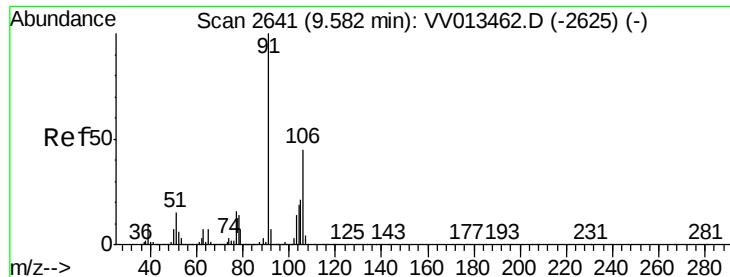
Tgt Ion: 106 Resp: 44248

Ion Ratio Lower Upper

106 100

91 193.4 141.7 263.1





#55

o-xylene

Concen: 2.418 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV013460.D

Acq: 01 Nov 2019 10:17

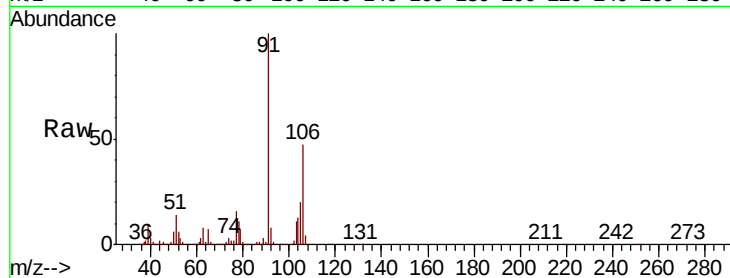
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 41613

Ion Ratio Lower Upper

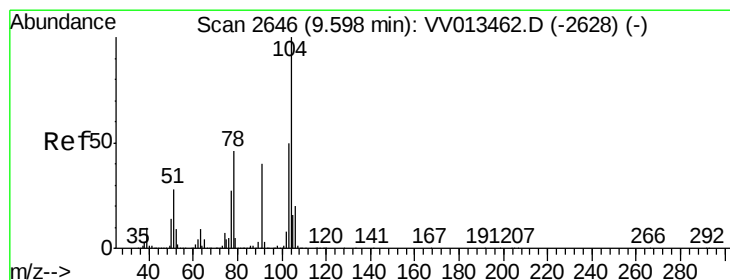
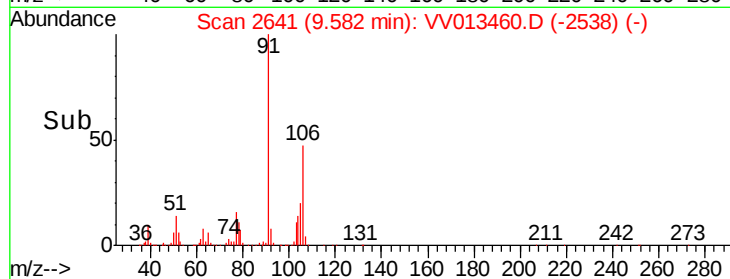
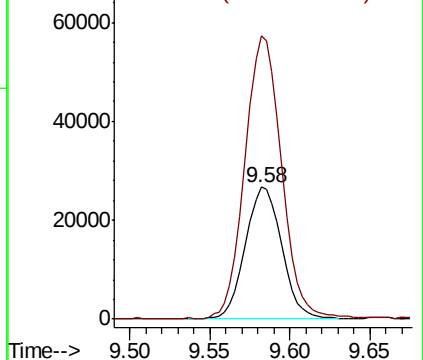
106 100

91 214.4 154.2 286.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 2.347 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV013460.D

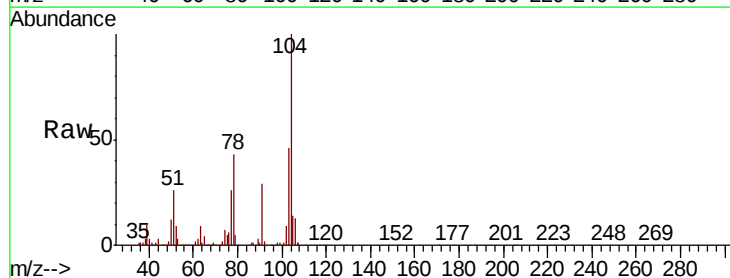
Acq: 01 Nov 2019 10:17

Tgt Ion:104 Resp: 70966

Ion Ratio Lower Upper

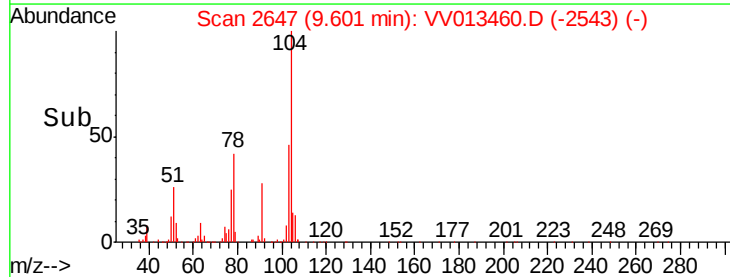
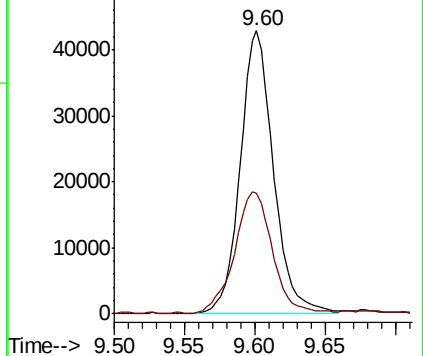
104 100

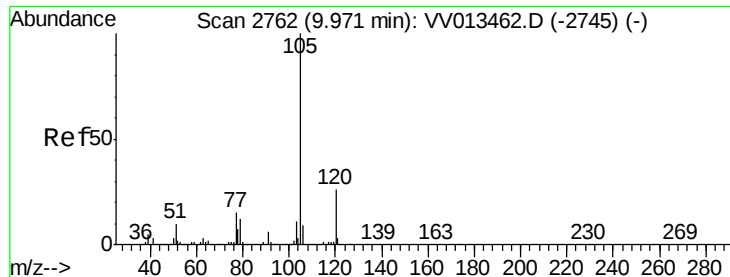
78 42.7 32.1 59.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 2.382 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013460.D

Acq: 01 Nov 2019 10:17

Instrument :

MSVOA_V

ClientSampleId :

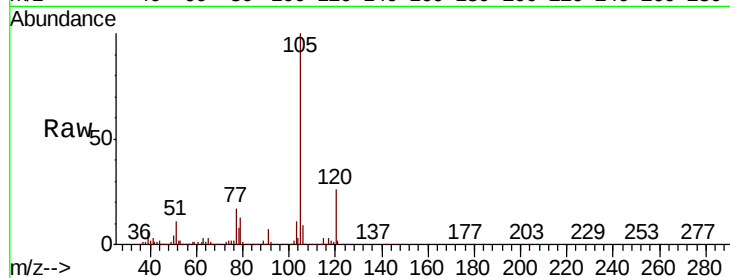
Tot Ion:105 Resp: 109227

Ion Ratio Lower Upper

105 100

120 26.6 21.1 31.7

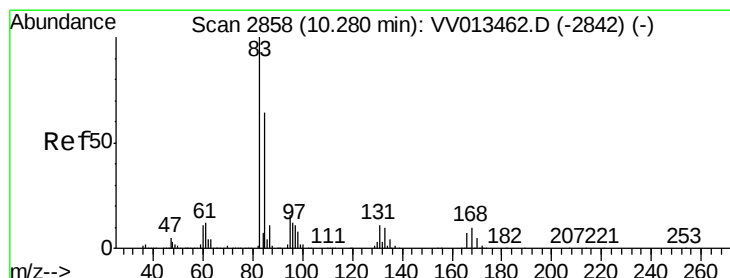
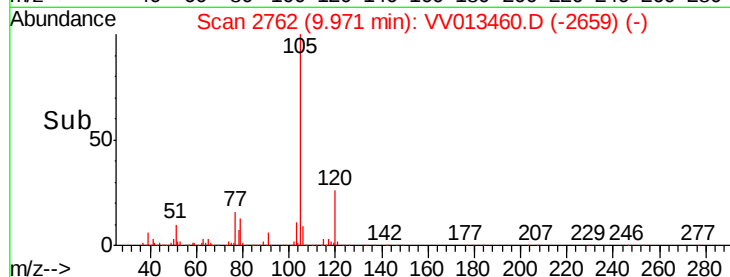
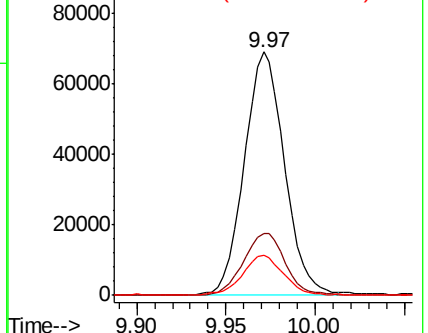
77 16.4 12.3 18.5



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: 2.722 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV013460.D

Acq: 01 Nov 2019 10:17

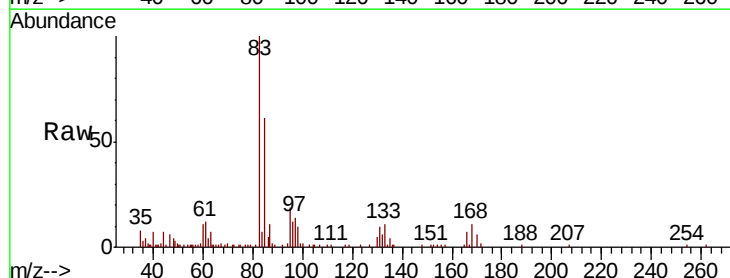
Tgt Ion: 83 Resp: 30111

Ion Ratio Lower Upper

83 100

85 61.4 45.1 83.7

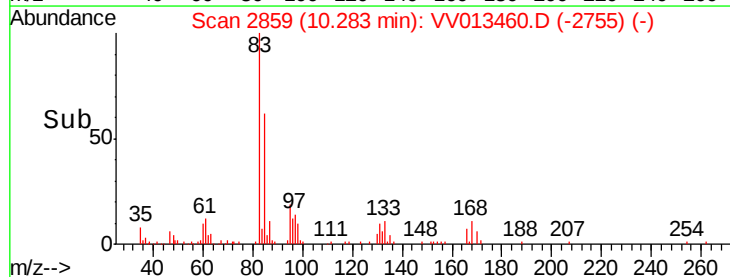
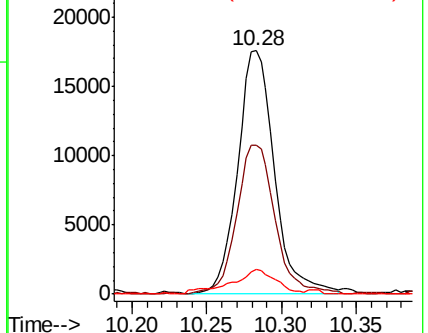
131 10.3 8.5 12.7

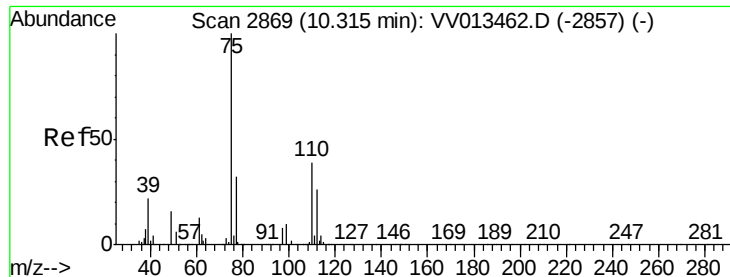


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 2.724 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013460.D

Acq: 01 Nov 2019 10:17

Instrument :

MSVOA_V

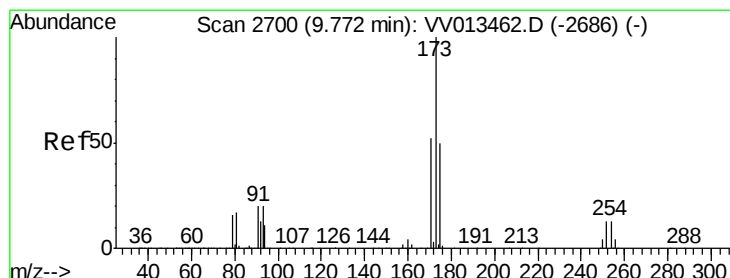
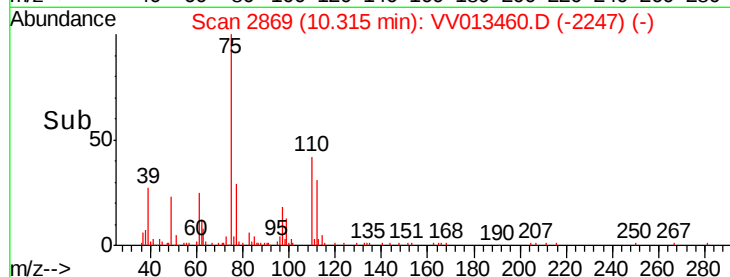
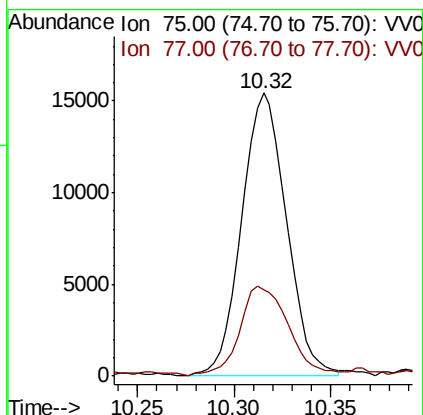
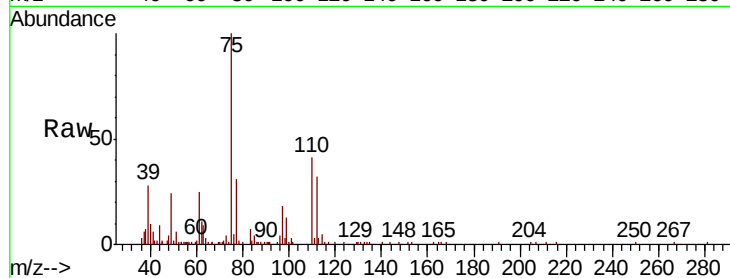
ClientSampleId :

Tot Ion: 75 Resp: 24977

Ion Ratio Lower Upper

75 100

77 34.6 25.7 38.5



#62

Bromoform

Concen: 2.665 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV013460.D

Acq: 01 Nov 2019 10:17

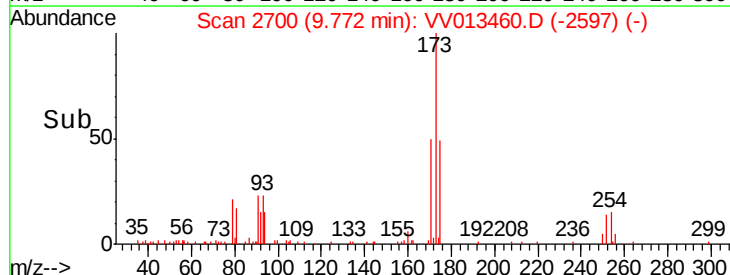
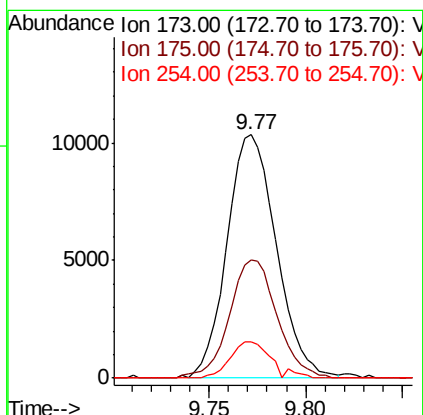
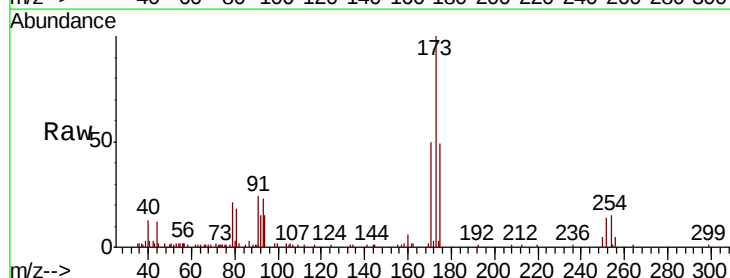
Tgt Ion: 173 Resp: 18377

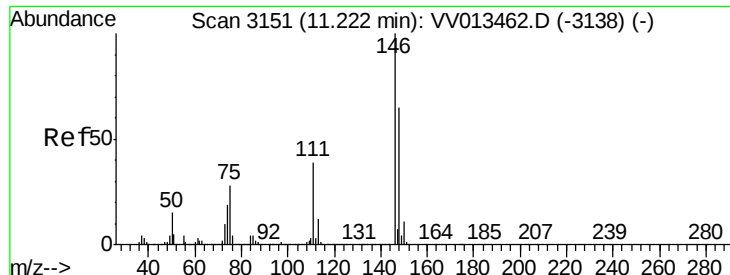
Ion Ratio Lower Upper

173 100

175 46.7 39.4 59.0

254 11.4 10.1 15.1

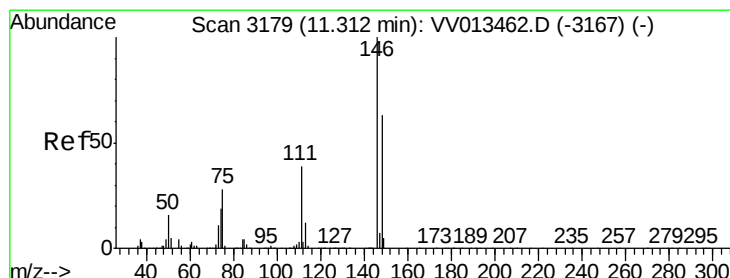
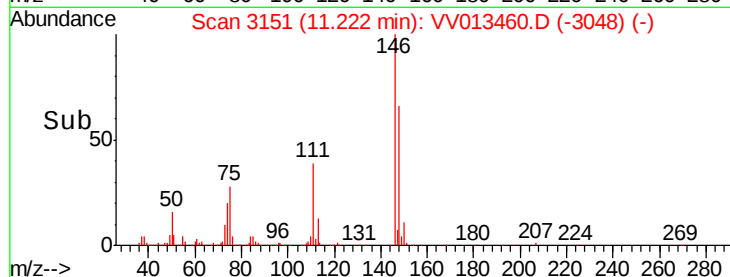
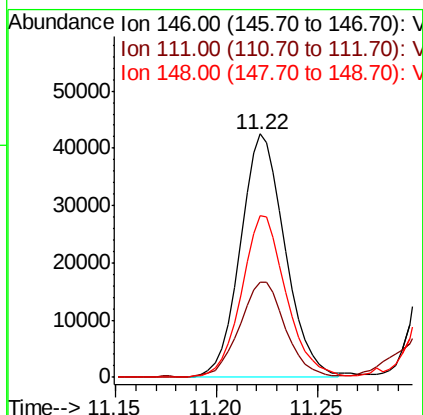
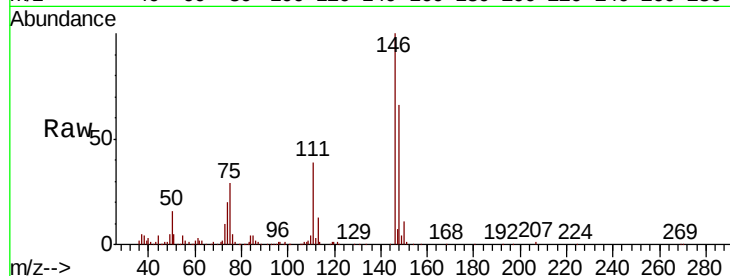




#63
1,3-Dichlorobenzene
Concen: 2.647 ug/L
RT: 11.22 min Scan# 3151
Delta R.T. 0.00 min
Lab File: VV013460.D
Acq: 01 Nov 2019 10:17

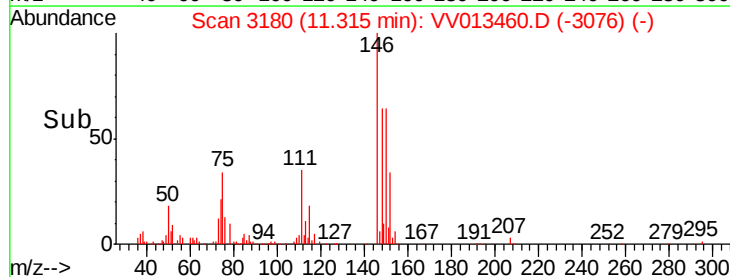
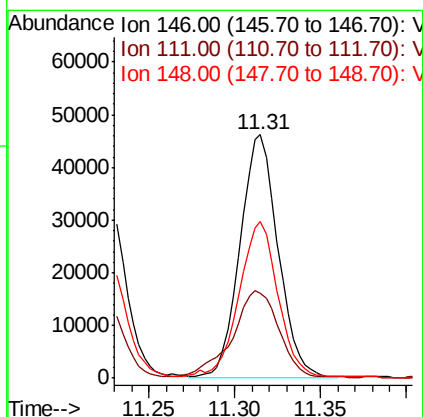
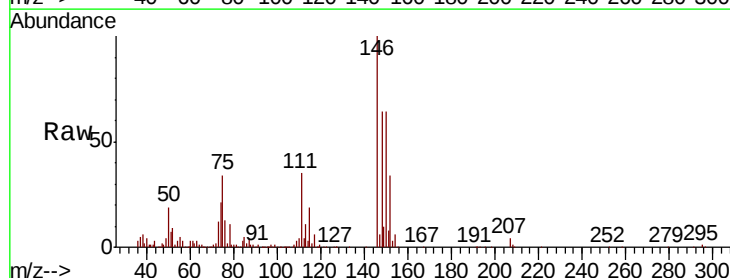
Instrument :
MSVOA_V
ClientSampled :

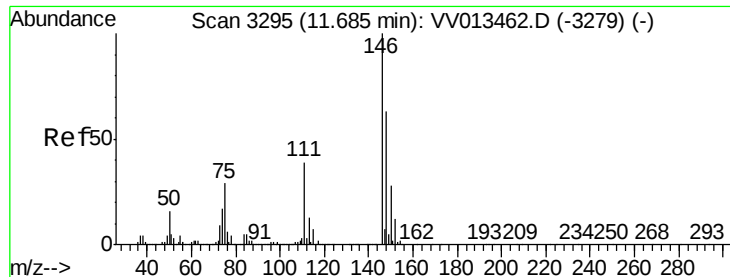
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	27.1	50.3
148	66.4	45.4	84.2



#64
1,4-Dichlorobenzene
Concen: 2.761 ug/L
RT: 11.31 min Scan# 3180
Delta R.T. 0.00 min
Lab File: VV013460.D
Acq: 01 Nov 2019 10:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.0	27.2	50.6
148	64.4	44.4	82.5





#65

1,2-Dichlorobenzene

Concen: 2.693 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV013460.D

Acq: 01 Nov 2019 10:17

Instrument :

MSVOA_V

ClientSampled :

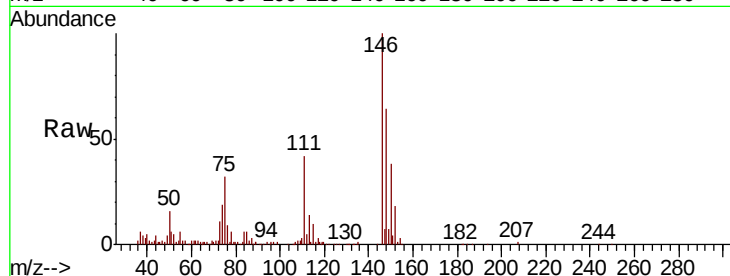
Tot Ion:146 Resp: 63353

Ion Ratio Lower Upper

146 100

111 41.8 31.4 47.2

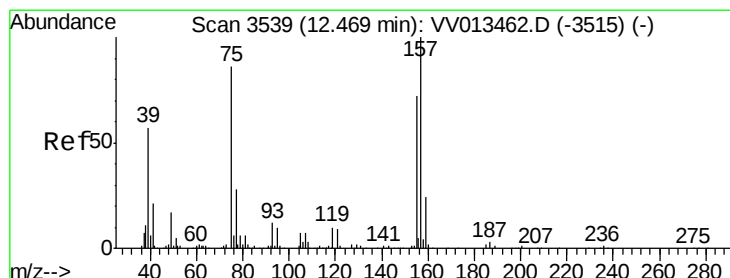
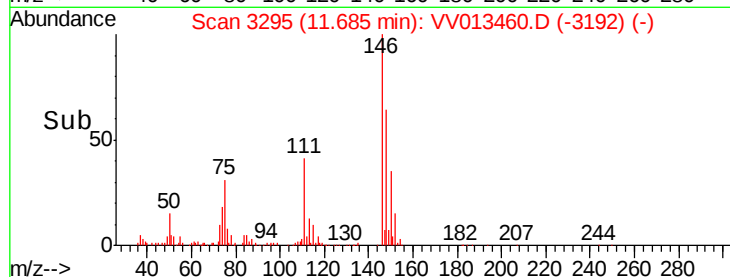
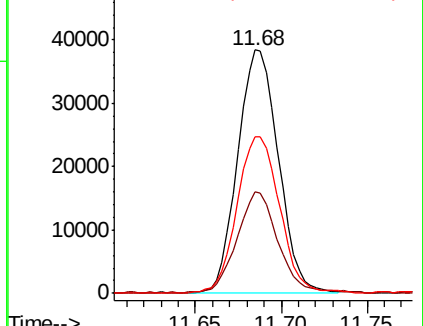
148 64.4 50.5 75.7



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: 2.704 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV013460.D

Acq: 01 Nov 2019 10:17

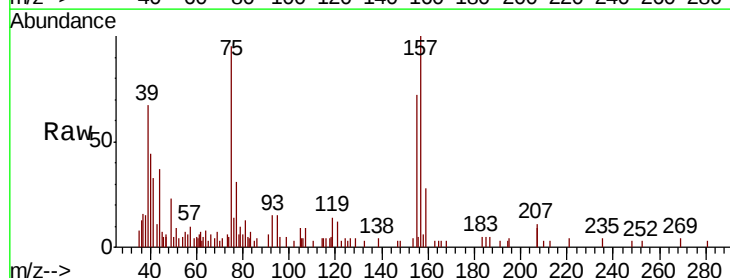
Tgt Ion: 75 Resp: 5557

Ion Ratio Lower Upper

75 100

157 105.2 93.2 139.8

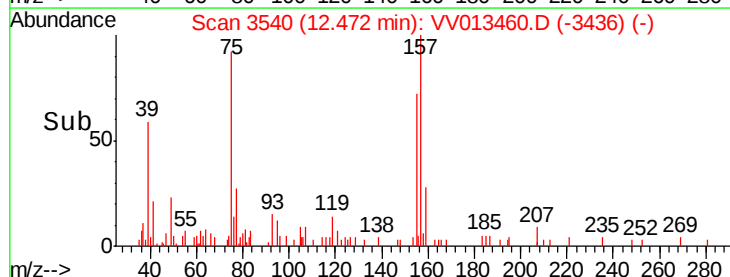
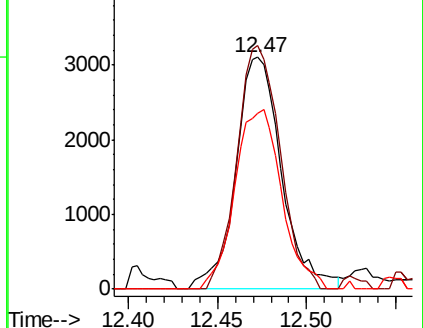
155 76.2 66.9 100.3

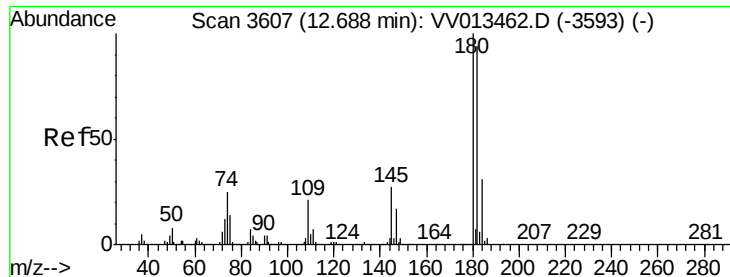


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

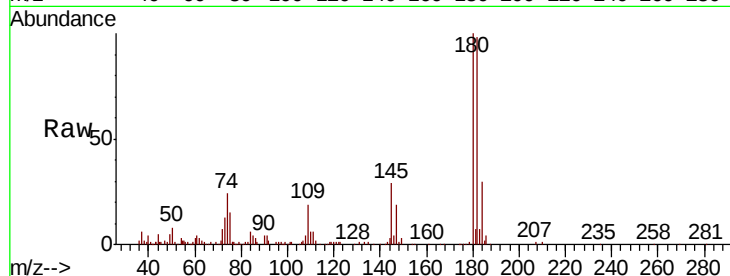




#67
 1,3,5-Trichlorobenzene
 Concen: 2.638 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV013460.D
 Acq: 01 Nov 2019 10:17

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.3	74.8	112.2
184	30.2	24.3	36.5
145	28.3	21.1	31.7



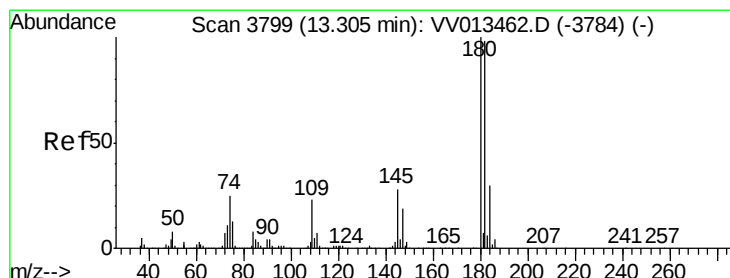
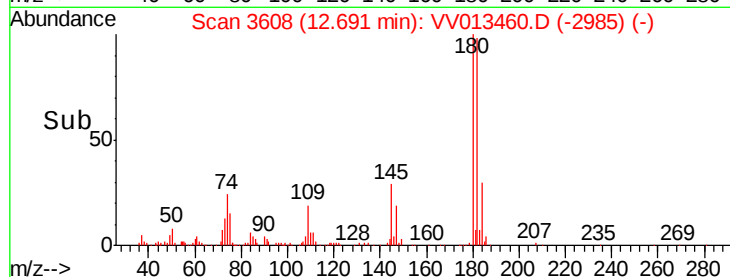
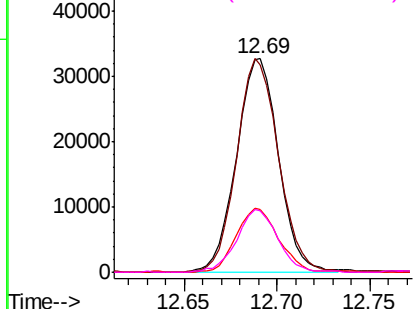
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

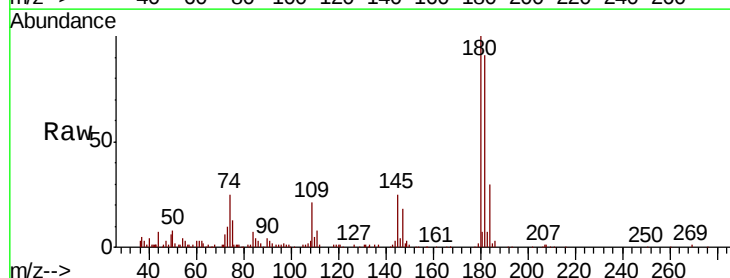
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 2.566 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV013460.D
 Acq: 01 Nov 2019 10:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	77.4	116.0
145	27.2	22.3	33.5

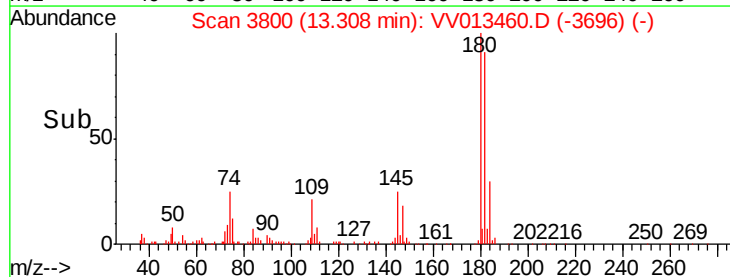
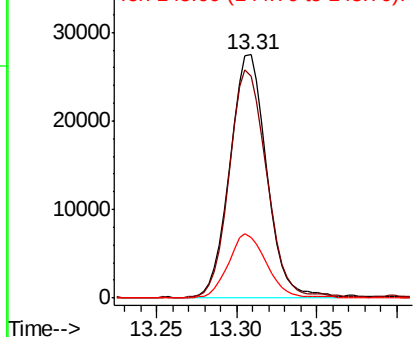


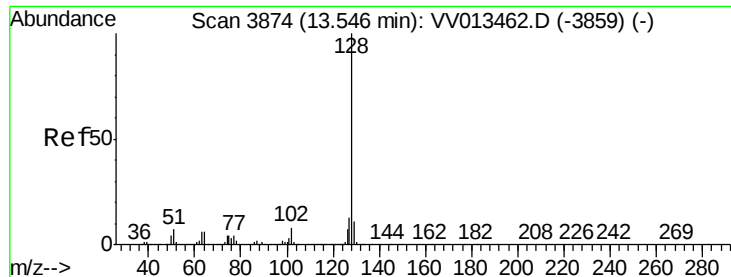
Abundance

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: 2.173 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV013460.D

Acq: 01 Nov 2019 10:17

Instrument :

MSVOA_V

ClientSampleId :

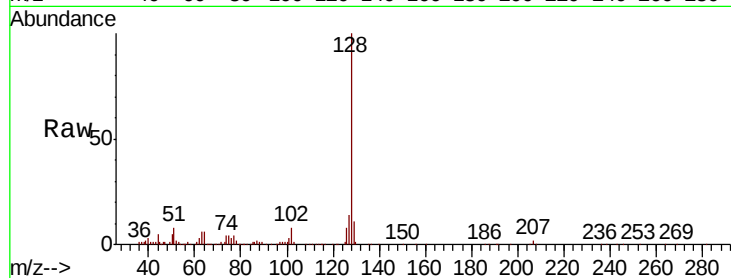
Tot Ion:128 Resp: 72426

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

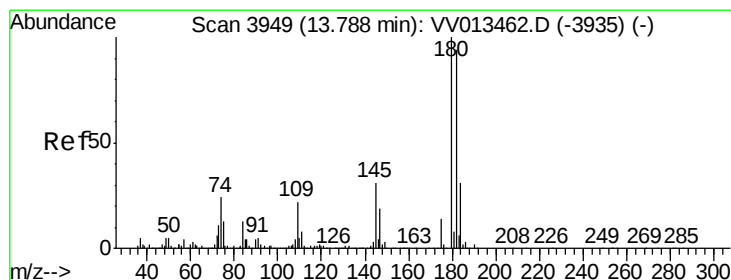
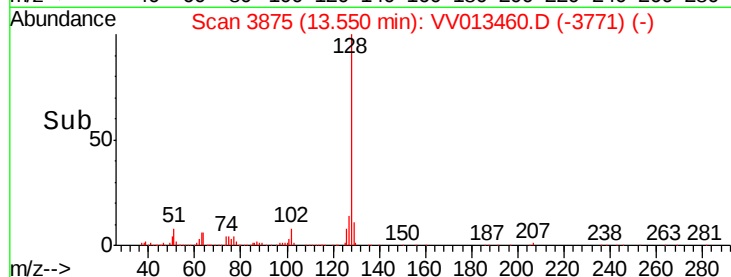
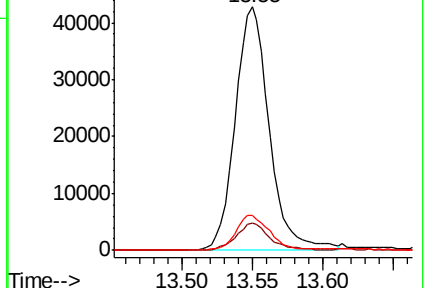
127 14.4 10.5 15.7



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: 2.437 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV013460.D

Acq: 01 Nov 2019 10:17

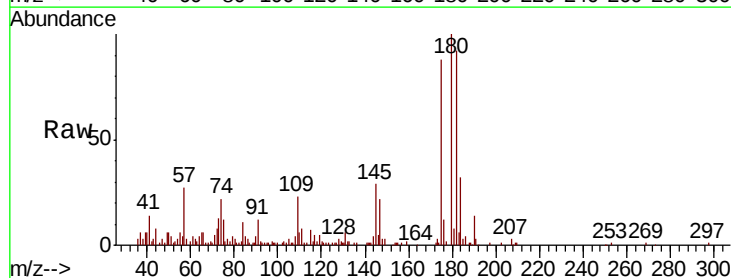
Tgt Ion:180 Resp: 39424

Ion Ratio Lower Upper

180 100

182 95.5 75.2 112.8

145 31.1 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

