

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101719\
 Data File : VV013180.D
 Acq On : 17 Oct 2019 18:49
 Operator : SY/MD
 Sample : VSTD0.535
 Misc : 25.00ML/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 18 01:55:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 18 01:50:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	411031	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	427565	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	221308	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	20818	0.50	ug/L	0.00
7) Chloroethane-d5	1.59	69	16991	0.52	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	32101	0.52	ug/L	0.00
20) 2-Butanone-d5	3.99	46	8893	1.05	ug/L	0.03
24) Chloroform-d	4.41	84	40232	0.58	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	19491	0.59	ug/L	0.00
32) Benzene-d6	5.10	84	73496	0.51	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	21929	0.50	ug/L	0.00
41) Toluene-d8	7.36	98	59862	0.46	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	8211	0.52	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	28365	4.31	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	18391	0.54	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	24733	0.52	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	27877	0.848 ug/L	98
3) Chloromethane	1.25	50	29541	0.839 ug/L	99
5) Vinyl chloride	1.32	62	28851	0.748 ug/L	96
6) Bromomethane	1.54	94	17625	0.899 ug/L	99
8) Chloroethane	1.60	64	14729	0.726 ug/L	99
9) Trichlorofluoromethane	1.77	101	35979	0.760 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	18623	0.677 ug/L	95
12) 1,1-Dichloroethene	2.14	96	17486	0.689 ug/L	91
13) Acetone	2.24	43	10783	2.251 ug/L	85
14) Carbon disulfide	2.32	76	66930	1.058 ug/L	97
15) Methyl Acetate	2.48	43	5848	0.487 ug/L #	80
16) Methylene chloride	2.54	84	31985	0.999 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	41843	0.616 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	23333	0.795 ug/L	94
19) 1,1-Dichloroethane	3.23	63	40926	0.707 ug/L	97
21) 2-Butanone	4.08	43	14099	1.838 ug/L	97
22) cis-1,2-Dichloroethene	3.97	96	23270	0.731 ug/L #	100
23) Bromochloromethane	4.31	128	11080	0.791 ug/L	89
25) Chloroform	4.43	83	49822	0.780 ug/L	94
27) 1,2-Dichloroethane	5.19	62	24132	0.704 ug/L #	94
29) 1,1,1-Trichloroethane	4.66	97	32960	0.655 ug/L	98
30) Cyclohexane	4.73	56	31453	0.689 ug/L #	95
31) Carbon tetrachloride	4.87	117	30071	0.694 ug/L	96
33) Benzene	5.15	78	85486	0.669 ug/L	100
34) Trichloroethene	5.96	95	22745	0.692 ug/L	96
35) Methylcyclohexane	6.18	83	32115	0.686 ug/L	96
37) 1,2-Dichloropropane	6.23	63	20047	0.595 ug/L #	96
38) Bromodichloromethane	6.56	83	27409	0.628 ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	26703	0.590 ug/L	92
40) 4-Methyl-2-pentanone	7.28	43	108976	5.267 ug/L	94

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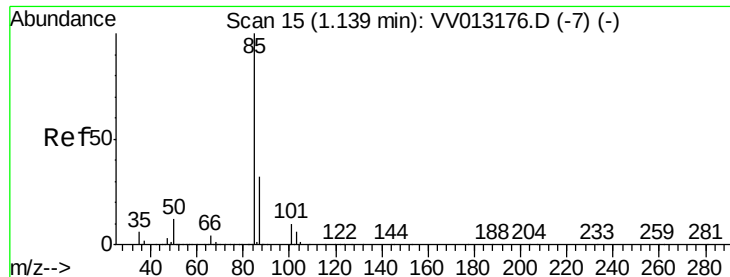
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 18 01:55:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101719WMA.M
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 Response via : Initial Calibration

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

42) Toluene	7.43	91	81612	0.611	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	20410	0.573	ug/L	93
45) 1,1,2-Trichloroethane	7.88	97	15219	0.618	ug/L	94
47) Tetrachloroethene	8.02	164	21279	0.781	ug/L	98
48) 2-Hexanone	8.19	43	80452	5.372	ug/L	93
49) Dibromochloromethane	8.29	129	17680	0.617	ug/L	99
50) 1,2-Dibromoethane	8.40	107	14357	0.683	ug/L #	96
51) Chlorobenzene	8.93	112	56807	0.636	ug/L	99
52) Ethylbenzene	9.05	91	84241	0.588	ug/L	98
53) m,p-xylene	9.18	106	29633	0.553	ug/L	96
54) o-xylene	9.59	106	29840	0.571	ug/L	100
55) Styrene	9.60	104	47471	0.535	ug/L	93
56) Isopropylbenzene	9.97	105	75053	0.538	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	20323	0.666	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	13088	0.615	ug/L	92
61) Bromoform	9.77	173	9789	0.605	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	43206	0.602	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	43552	0.599	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	41212	0.593	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.47	75	3356	0.718	ug/L #	79
67) 1,3,5-Trichlorobenzene	12.69	180	29623	0.542	ug/L	94
68) 1,2,4-trichlorobenzene	13.31	180	26244	0.590	ug/L	99
69) Naphthalene	13.55	128	33298	0.499	ug/L #	93
70) 1,2,3-Trichlorobenzene	13.79	180	24792	0.570	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 0.848 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV013180.D

Acq: 17 Oct 2019 18:49

Instrument :

MSVOA_V

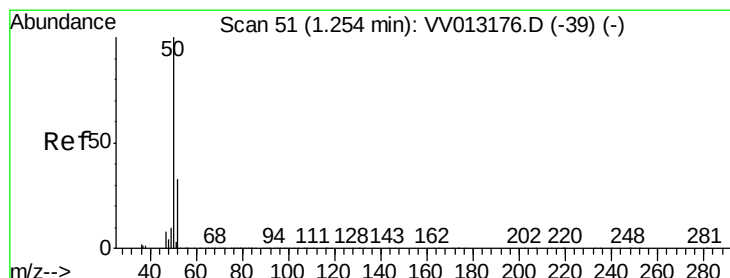
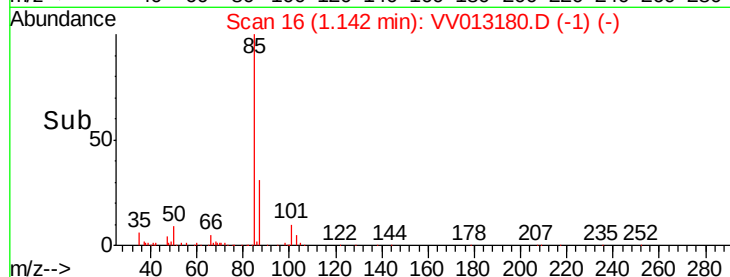
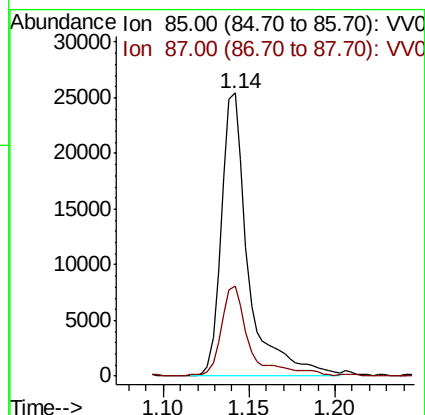
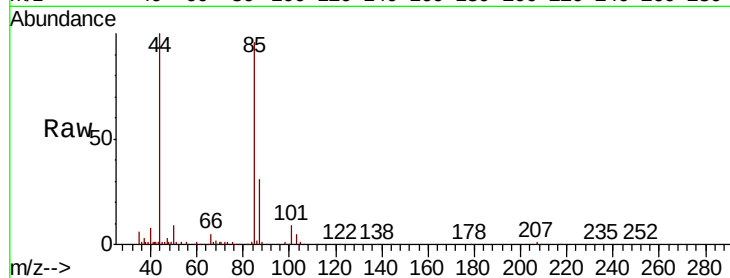
ClientSampleId :

Tot Ion: 85 Resp: 27877

Ion Ratio Lower Upper

85 100

87 33.2 25.6 38.4



#3

Chloromethane

Concen: 0.839 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV013180.D

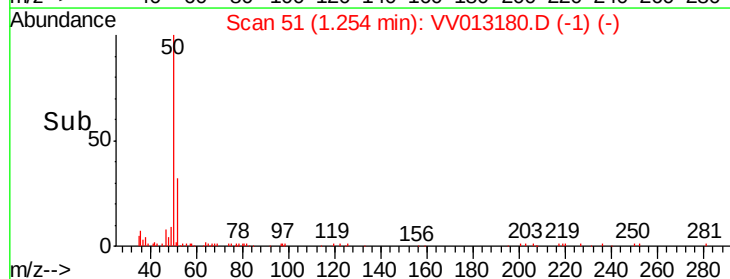
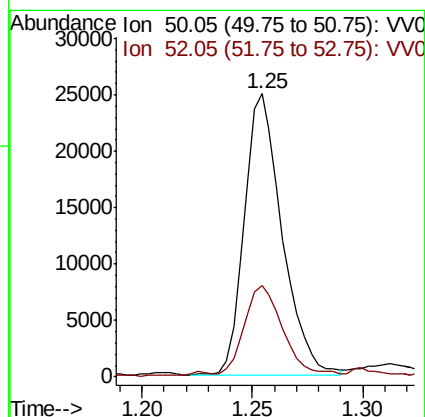
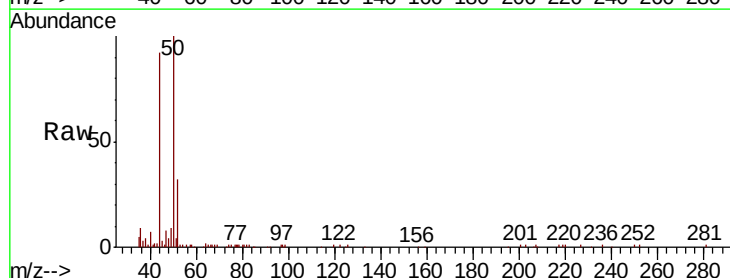
Acq: 17 Oct 2019 18:49

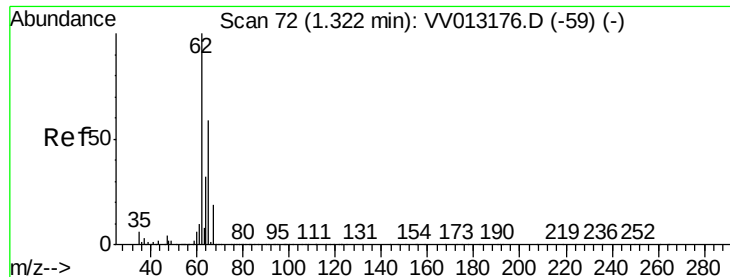
Tgt Ion: 50 Resp: 29541

Ion Ratio Lower Upper

50 100

52 32.2 23.0 42.8





#5

Vinyl chloride

Concen: 0.748 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013180.D

Acq: 17 Oct 2019 18:49

Instrument :

MSVOA_V

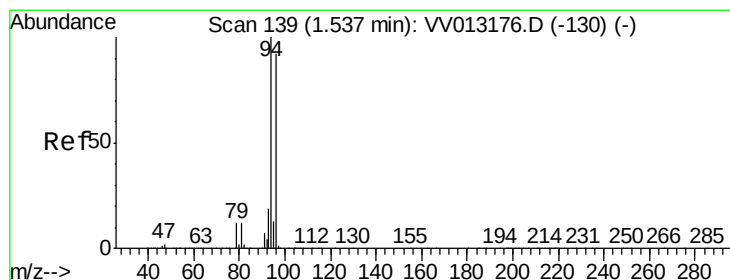
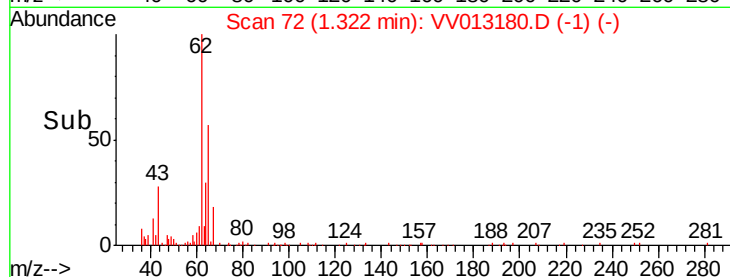
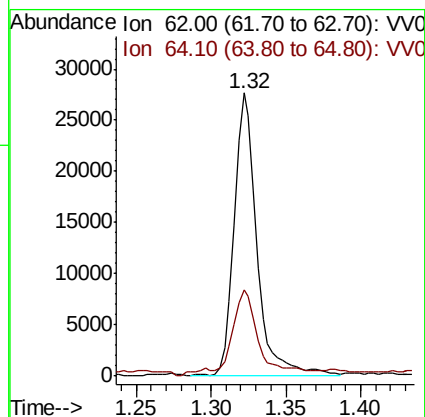
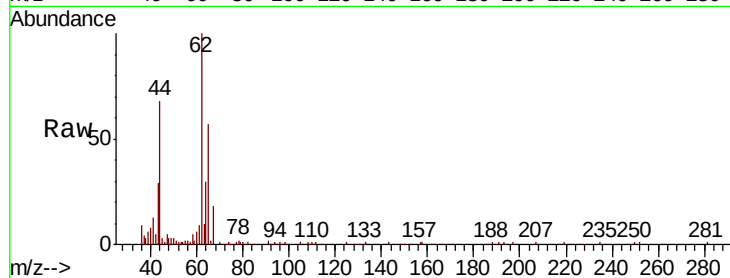
ClientSampleId :

Tot Ion: 62 Resp: 28851

Ion Ratio Lower Upper

62 100

64 30.4 22.7 42.3



#6

Bromomethane

Concen: 0.899 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV013180.D

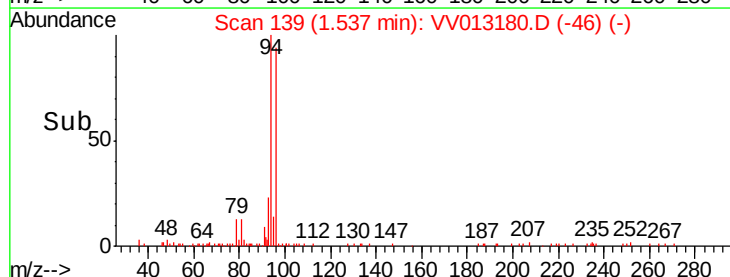
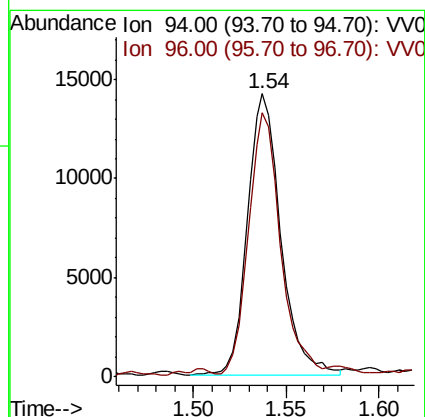
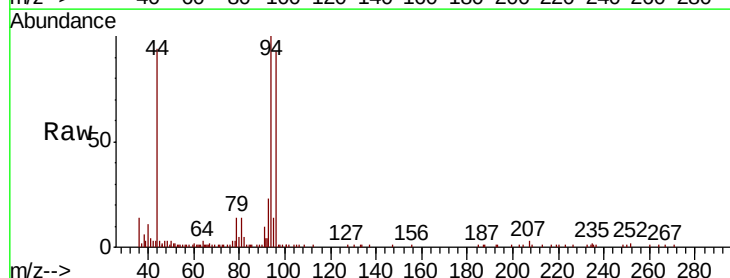
Acq: 17 Oct 2019 18:49

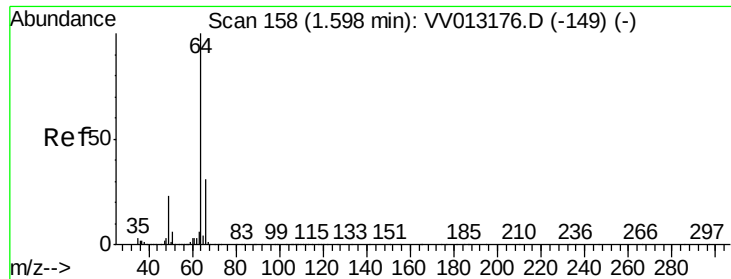
Tgt Ion: 94 Resp: 17625

Ion Ratio Lower Upper

94 100

96 93.4 64.6 120.0





#8

Chloroethane

Concen: 0.726 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV013180.D

Acq: 17 Oct 2019 18:49

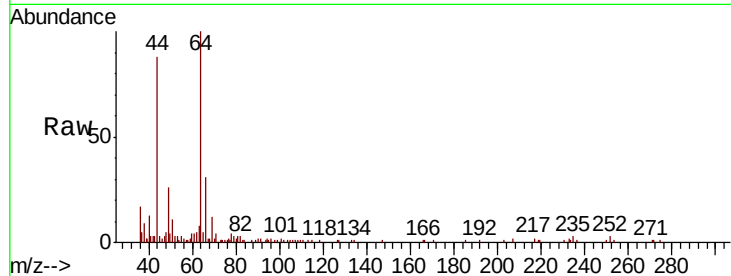
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 14729

Ion Ratio Lower Upper

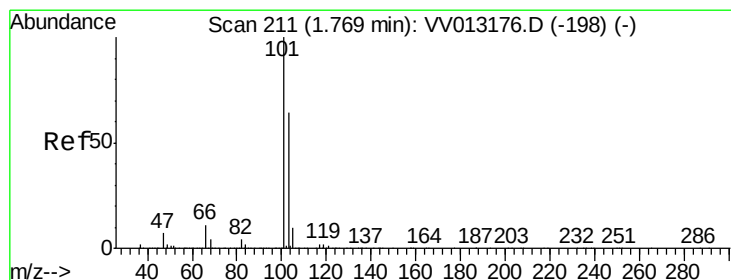
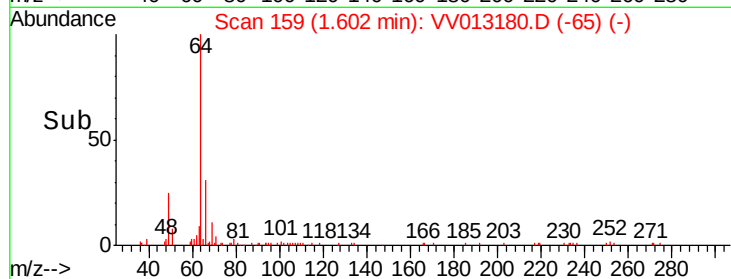
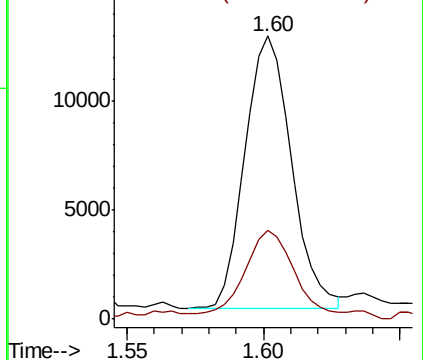
64 100

66 31.3 21.6 40.2



Abundance Ion 64.10 (63.80 to 64.80): VV013176.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV013180.D (-65) (-)



#9

Trichlorofluoromethane

Concen: 0.760 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV013180.D

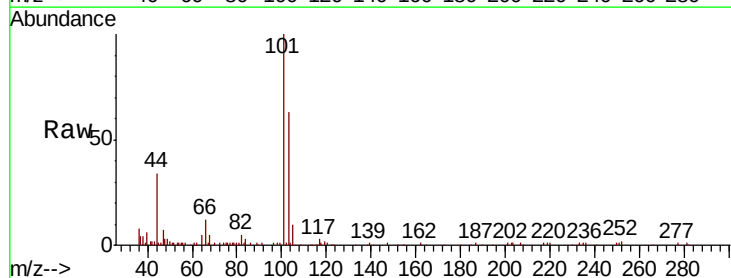
Acq: 17 Oct 2019 18:49

Tgt Ion: 101 Resp: 35979

Ion Ratio Lower Upper

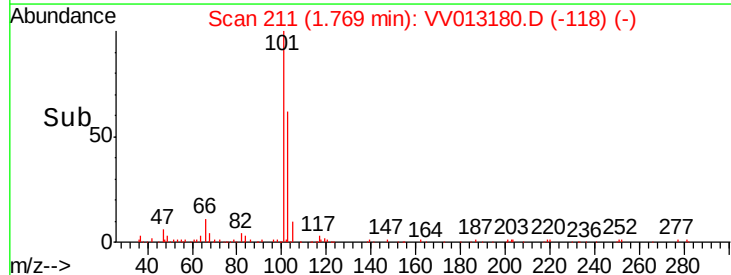
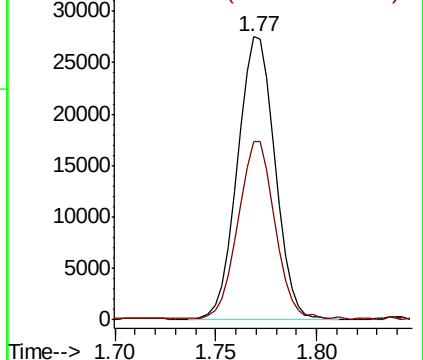
101 100

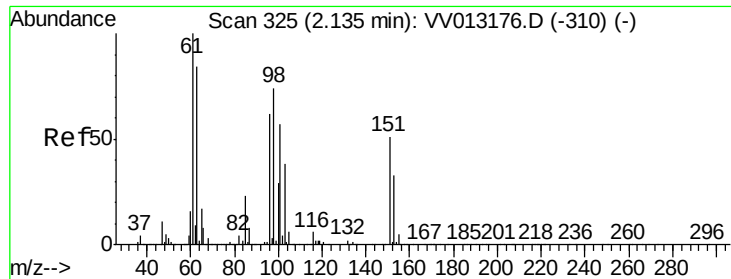
103 62.7 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV013176.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV013180.D (-118) (-)





#10

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

Concen: 0.677 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013180.D

Acq: 17 Oct 2019 18:49

Instrument :

MSVOA_V

ClientSampleId :

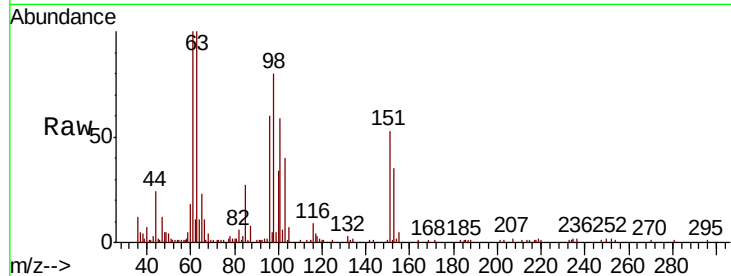
Tot Ion:101 Resp: 18623

Ion Ratio Lower Upper

101 100

85 44.7 32.4 48.6

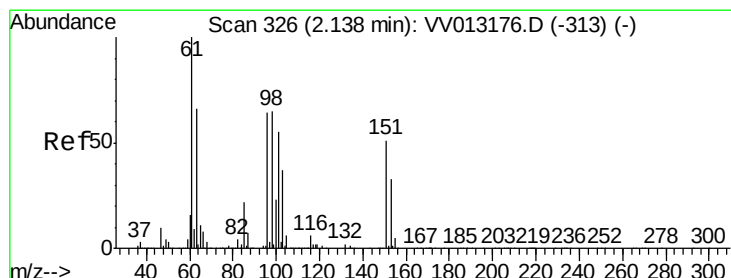
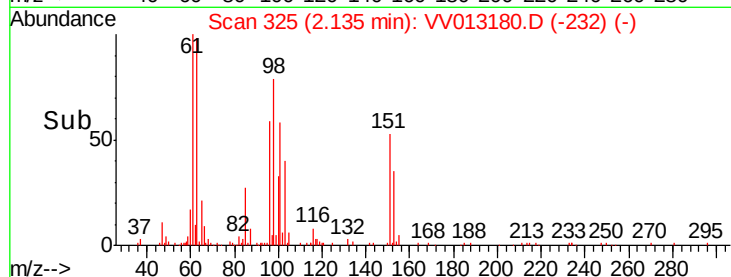
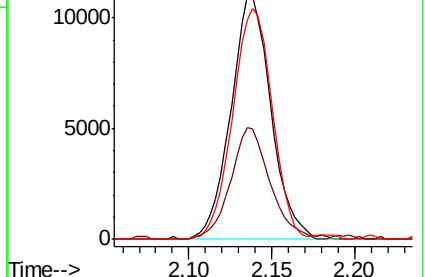
151 93.2 71.9 107.9



Abundance Ion 101.00 (100.70 to 101.70): VV013180.D (-232) (-)

Ion 85.00 (84.70 to 85.70): VV013180.D (-232) (-)

Ion 151.00 (150.70 to 151.70): VV013180.D (-232) (-)



#12

1,1-Dichloroethene

Concen: 0.689 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013180.D

Acq: 17 Oct 2019 18:49

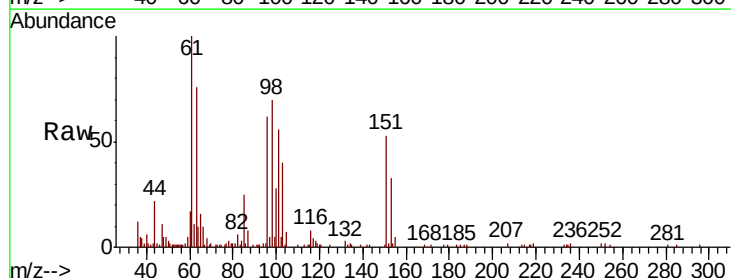
Tgt Ion: 96 Resp: 17486

Ion Ratio Lower Upper

96 100

61 161.4 109.8 204.0

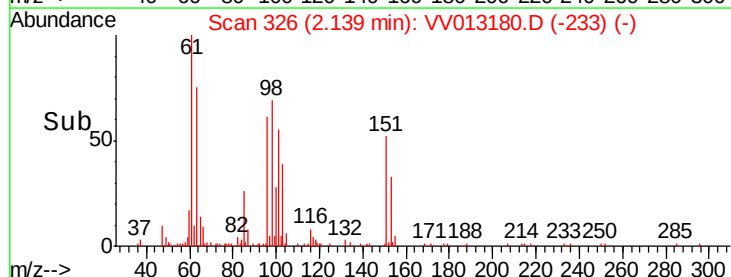
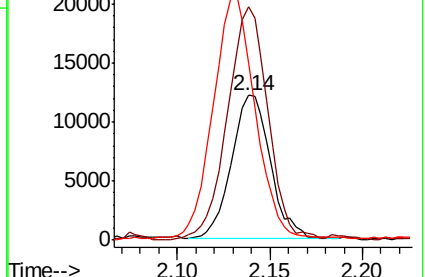
63 122.4 72.6 134.8

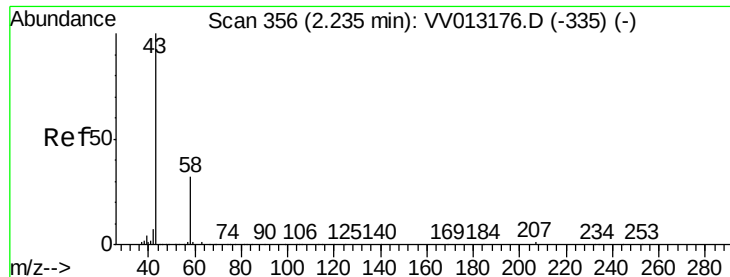


Abundance Ion 96.00 (95.70 to 96.70): VV013180.D (-233) (-)

Ion 61.05 (60.75 to 61.75): VV013180.D (-233) (-)

Ion 63.00 (62.70 to 63.70): VV013180.D (-233) (-)





#13

Acetone

Concen: 2.251 ug/L

RT: 2.24 min Scan# 359

Delta R.T. 0.01 min

Lab File: VV013180.D

Acq: 17 Oct 2019 18:49

Instrument :

MSVOA_V

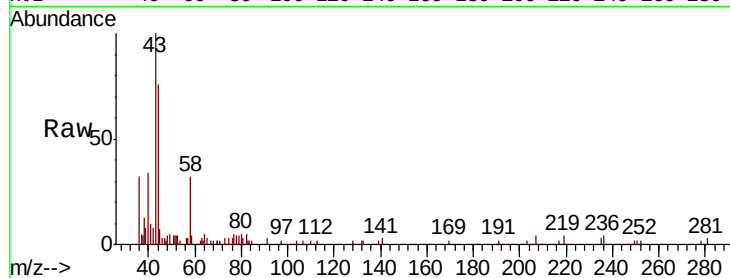
ClientSampleId :

Tot Ion: 43 Resp: 10783

Ion Ratio Lower Upper

43 100

58 33.6 0.0 52.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

6000

5000

4000

3000

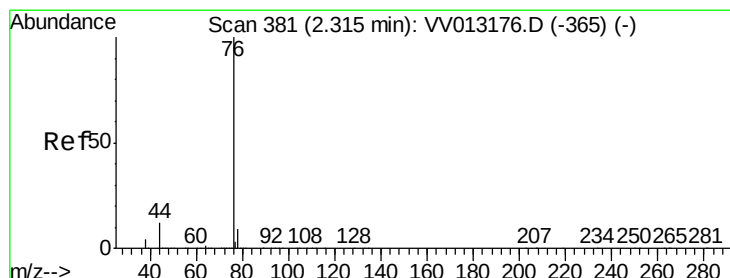
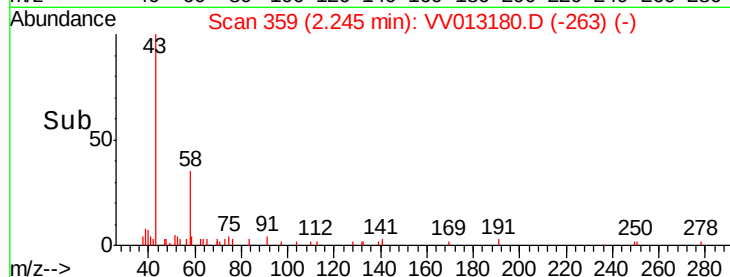
2000

1000

0

Time--> 2.15 2.20 2.25

2.24



#14

Carbon disulfide

Concen: 1.058 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013180.D

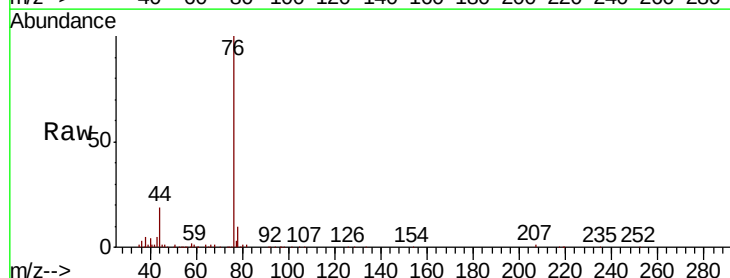
Acq: 17 Oct 2019 18:49

Tgt Ion: 76 Resp: 66930

Ion Ratio Lower Upper

76 100

78 9.8 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

50000

40000

30000

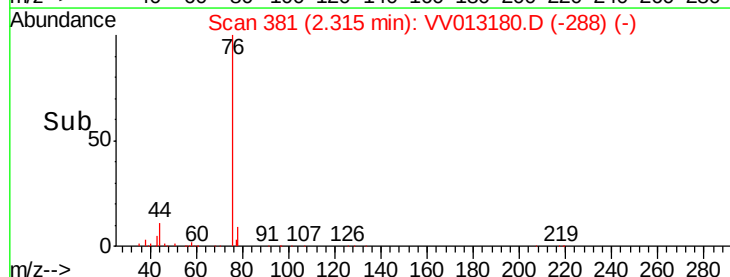
20000

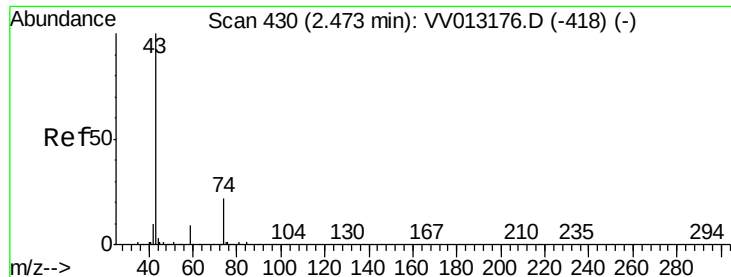
10000

0

Time--> 2.25 2.30 2.35

2.32





#15

Methyl Acetate

Concen: 0.487 ug/L

RT: 2.48 min Scan# 433

Delta R.T. 0.01 min

Lab File: VV013180.D

Acq: 17 Oct 2019 18:49

Instrument :

MSVOA_V

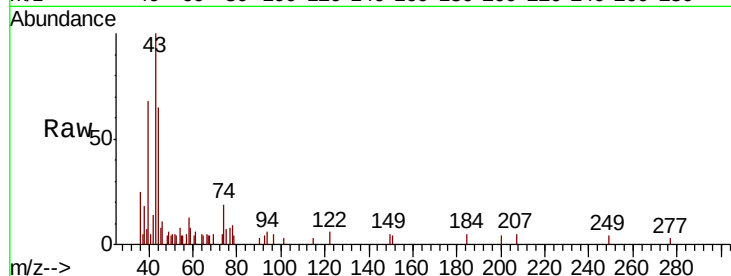
ClientSampled :

Tot Ion: 43 Resp: 5848

Ion Ratio Lower Upper

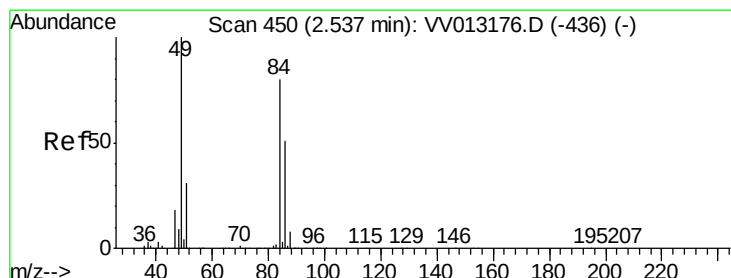
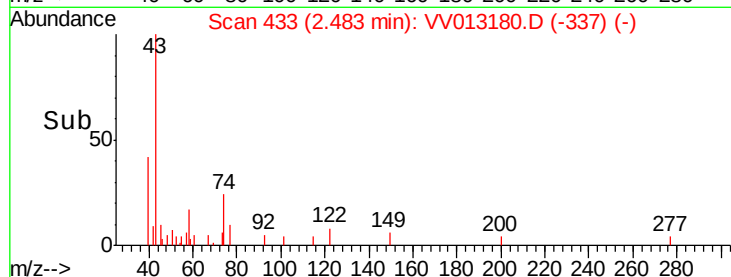
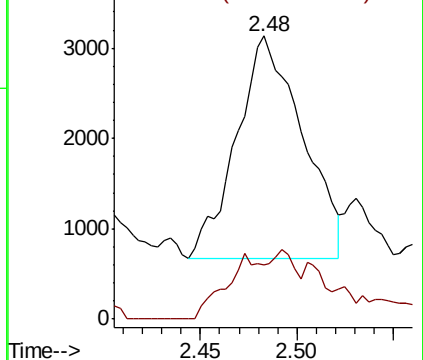
43 100

74 15.9 20.7 31.1#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 0.999 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV013180.D

Acq: 17 Oct 2019 18:49

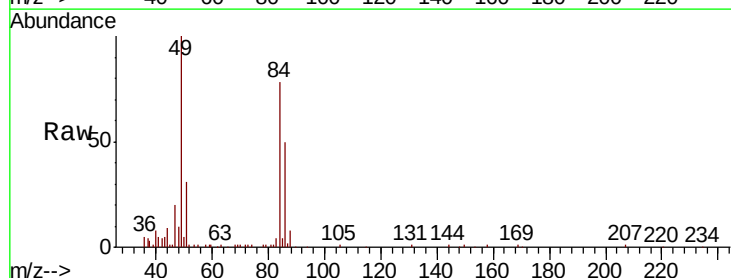
Tgt Ion: 84 Resp: 31985

Ion Ratio Lower Upper

84 100

86 64.0 44.5 82.7

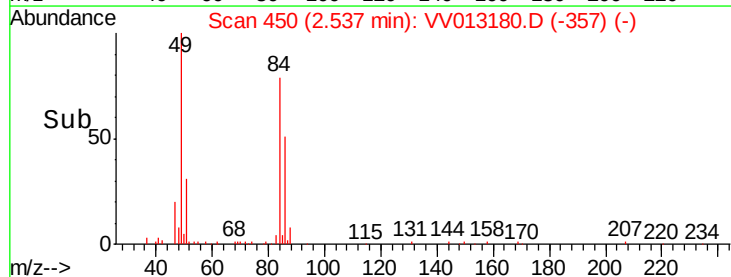
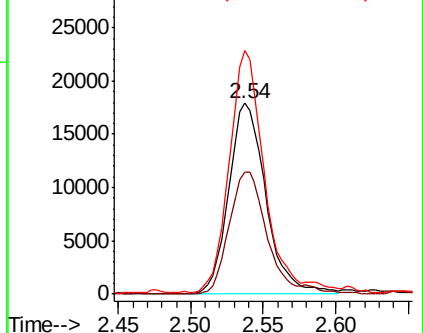
49 127.5 87.3 162.1

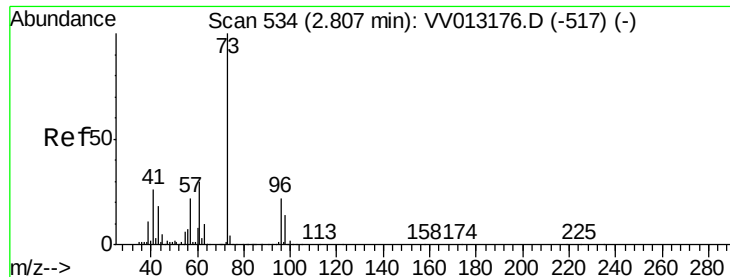


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

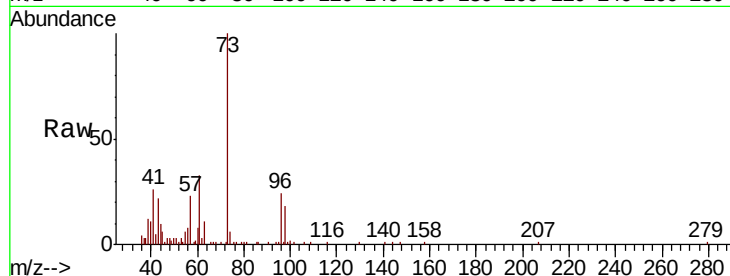




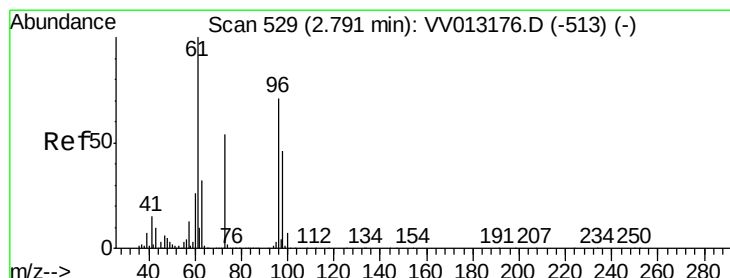
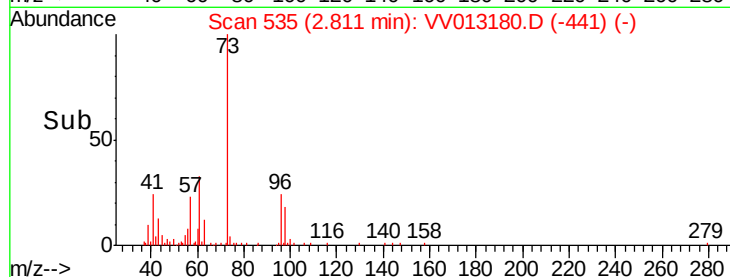
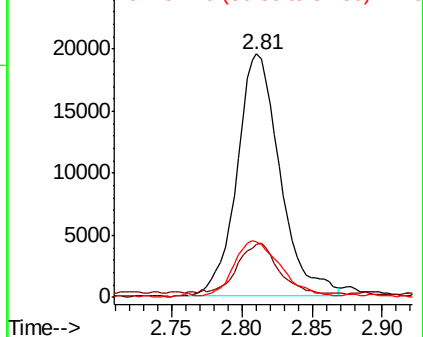
#17
Methvl tert-butvl Ether
Concen: 0.616 ug/L
RT: 2.81 min Scan# 535
Delta R.T. 0.00 min
Lab File: VV013180.D
Acq: 17 Oct 2019 18:49

Instrument :
MSVOA_V
ClientSampled :

Tot Ion	Ratio	Lower	Upper
73	100		
43	19.2	14.6	22.0
57	24.4	17.8	26.8

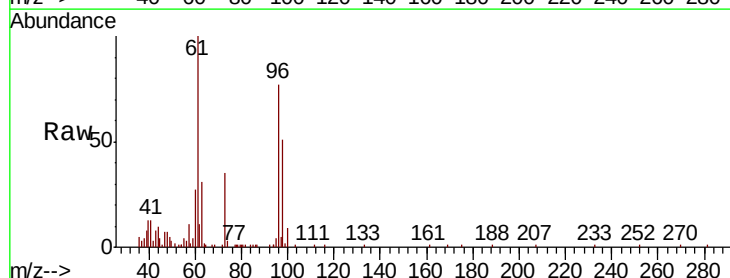


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

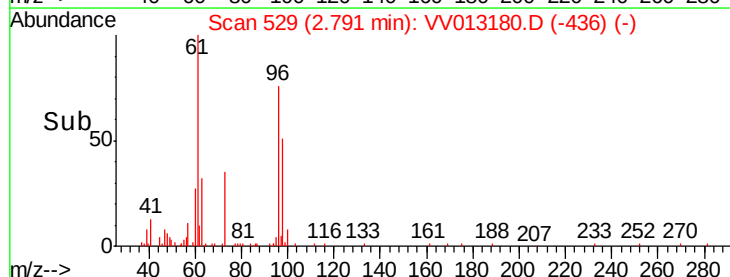
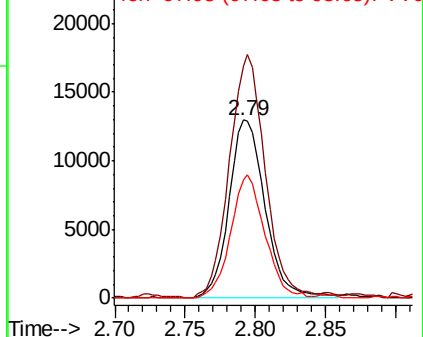


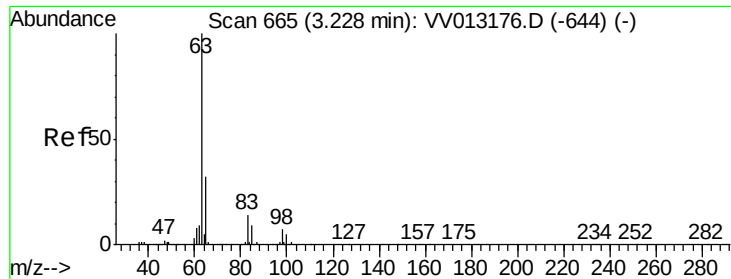
#18
trans-1,2-Dichloroethene
Concen: 0.795 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV013180.D
Acq: 17 Oct 2019 18:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	130.3	98.1	182.1
98	66.6	44.9	83.5



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

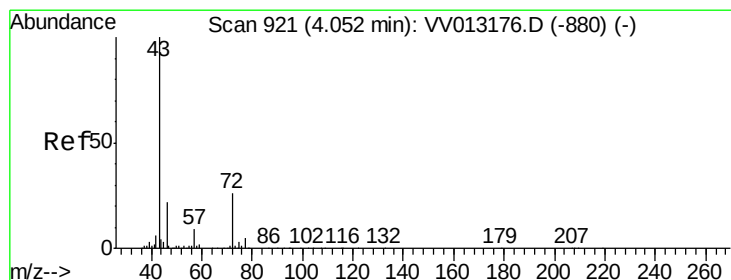
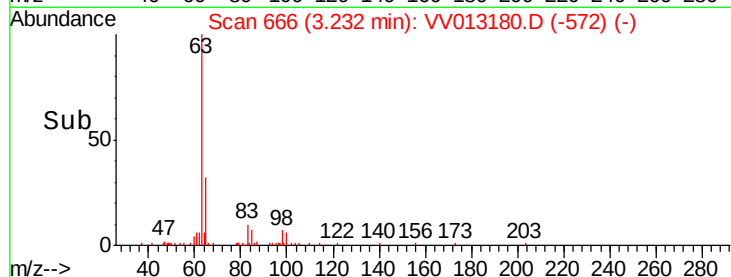
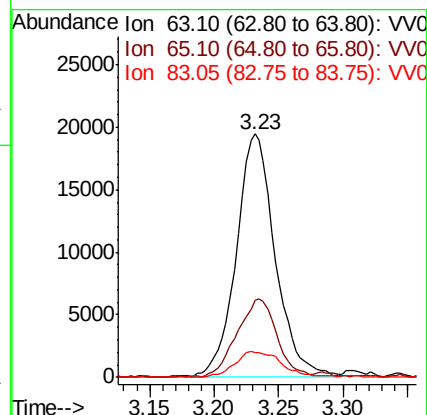
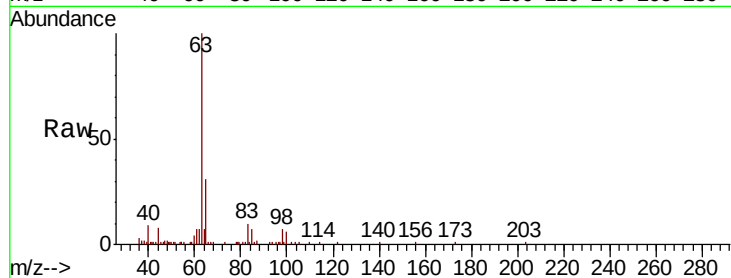




#19
1,1-Dichloroethane
Concen: 0.707 ug/L
RT: 3.23 min Scan# 666
Delta R.T. 0.00 min
Lab File: VV013180.D
Acq: 17 Oct 2019 18:49

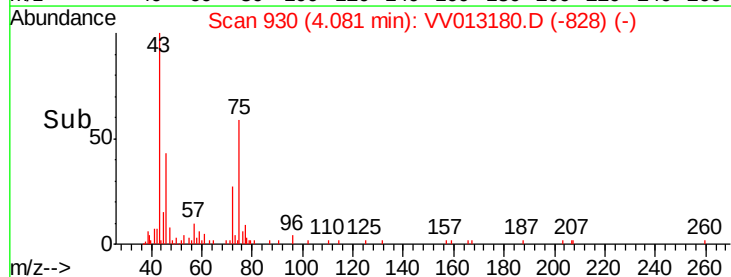
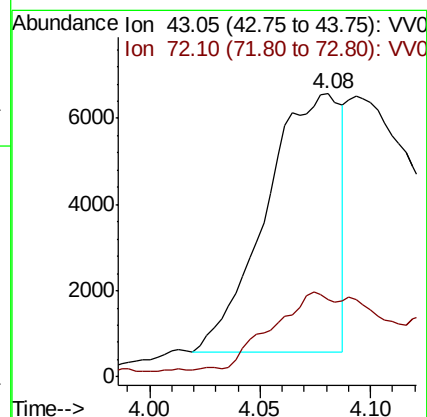
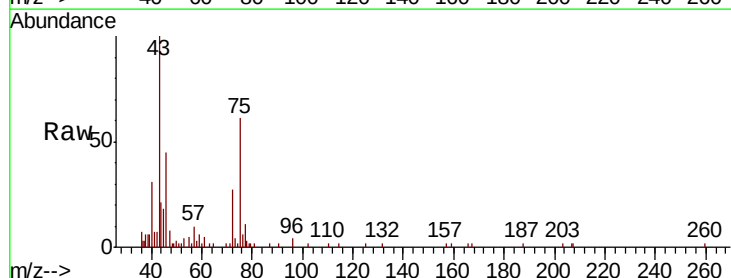
Instrument :
MSVOA_V
ClientSampleId :

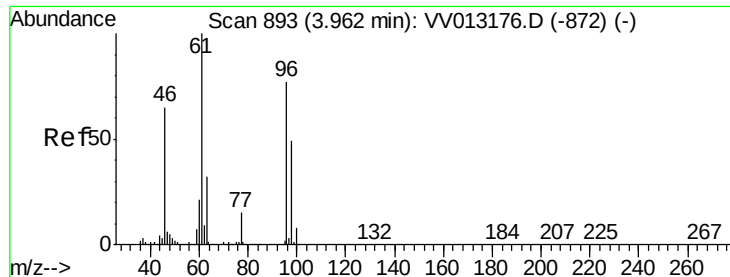
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	22.5	41.7
83	9.9	9.5	17.7



#21
2-Butanone
Concen: 1.838 ug/L
RT: 4.08 min Scan# 930
Delta R.T. 0.03 min
Lab File: VV013180.D
Acq: 17 Oct 2019 18:49

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.8	13.1	39.1



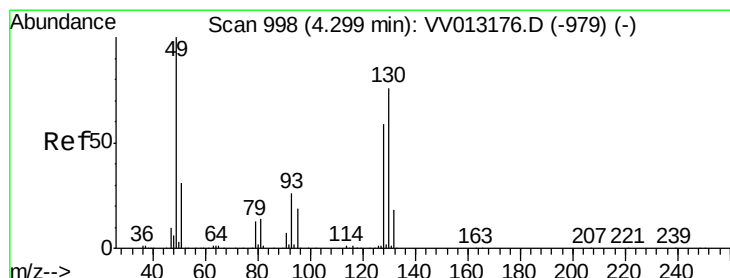
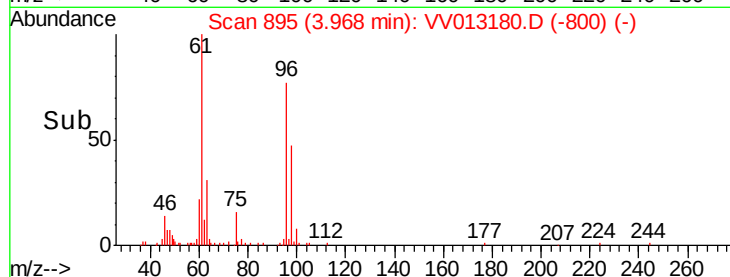
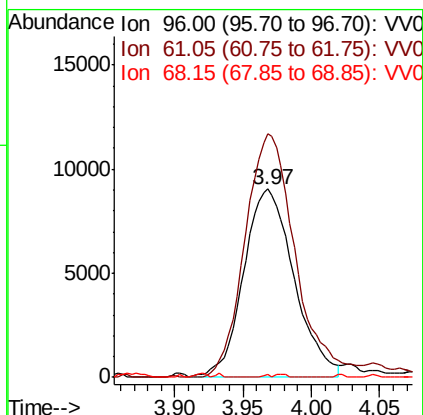
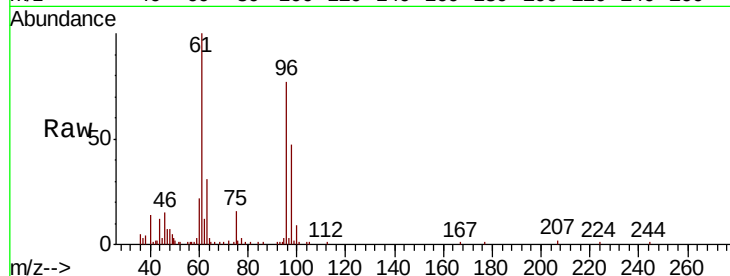


#22

cis-1,2-Dichloroethene
 Concen: 0.731 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.01 min
 Lab File: VV013180.D
 Acq: 17 Oct 2019 18:49

Instrument :
 MSVOA_V
 ClientSampleId :

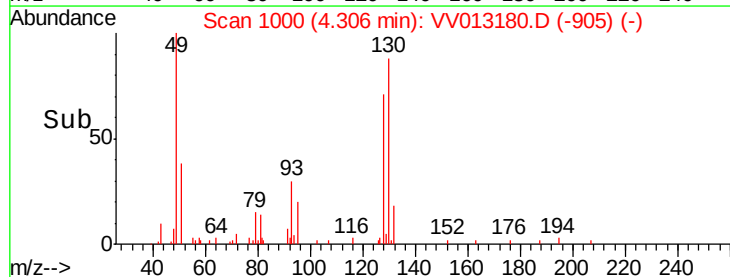
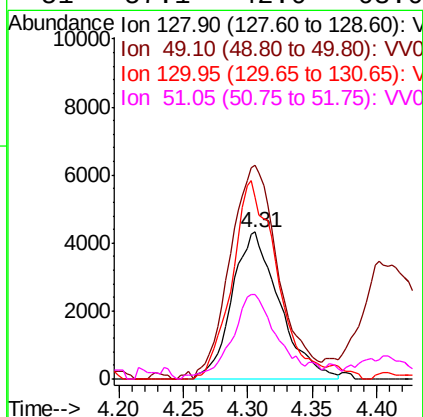
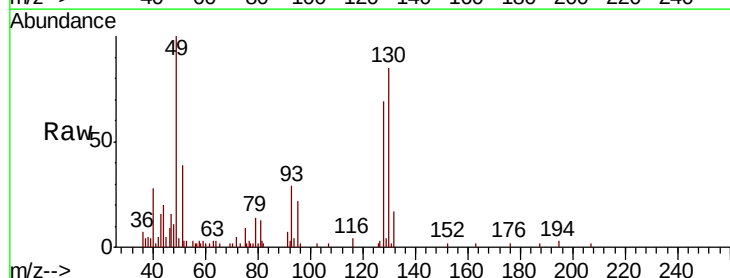
Tot Ion	96	Resp	23270
Ion Ratio	Lower	Upper	
96	100		
61	129.3	90.6	168.2
68	1.3	0.1	0.1#

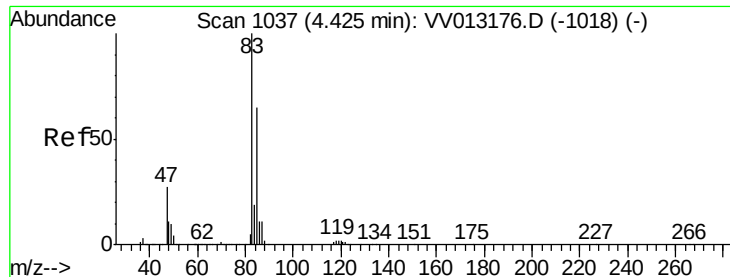


#23

Bromochloromethane
 Concen: 0.791 ug/L
 RT: 4.31 min Scan# 1000
 Delta R.T. 0.01 min
 Lab File: VV013180.D
 Acq: 17 Oct 2019 18:49

Tgt Ion	128	Resp	11080
Ion Ratio	Lower	Upper	
128	100		
49	145.2	118.4	219.8
130	123.9	89.5	166.3
51	57.1	42.0	63.0





#25

Chloroform

Concen: 0.780 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV013180.D

Acq: 17 Oct 2019 18:49

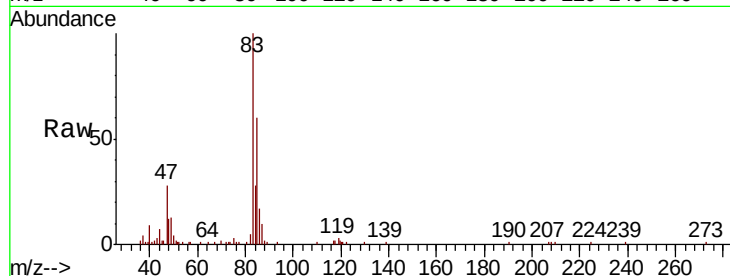
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 49822

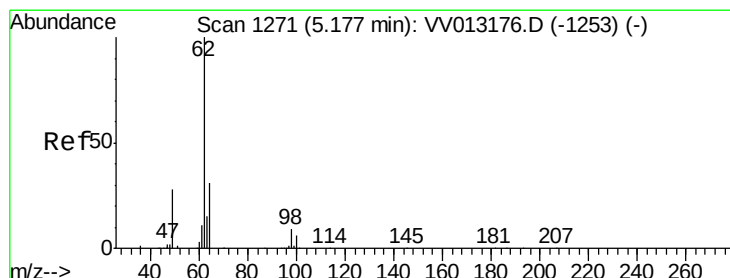
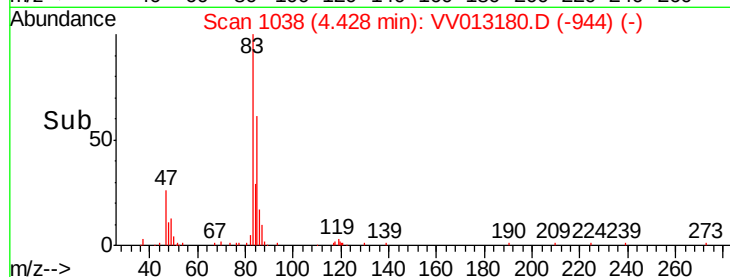
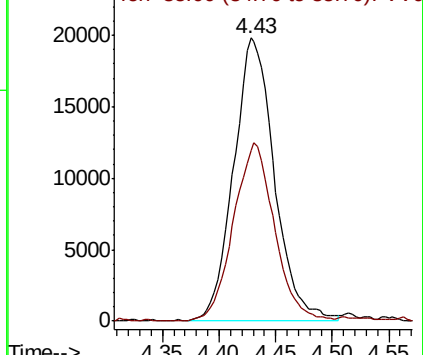
Ion Ratio Lower Upper

83 100

85 60.4 45.5 84.5



Abundance Ion 83.05 (82.75 to 83.75): VV013180.D (-944) (-)



#27

1,2-Dichloroethane

Concen: 0.704 ug/L

RT: 5.19 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VV013180.D

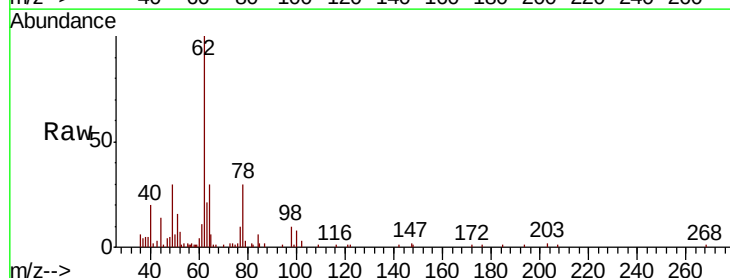
Acq: 17 Oct 2019 18:49

Tgt Ion: 62 Resp: 24132

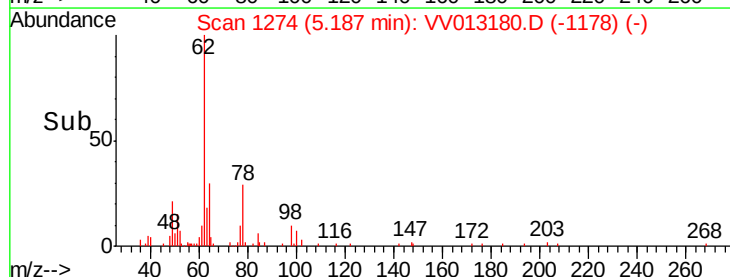
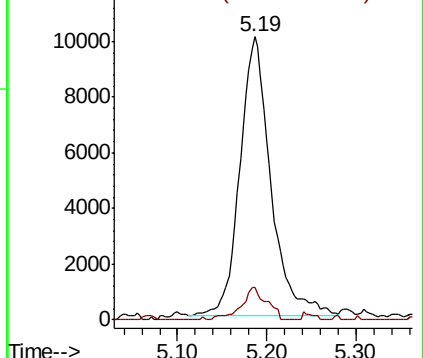
Ion Ratio Lower Upper

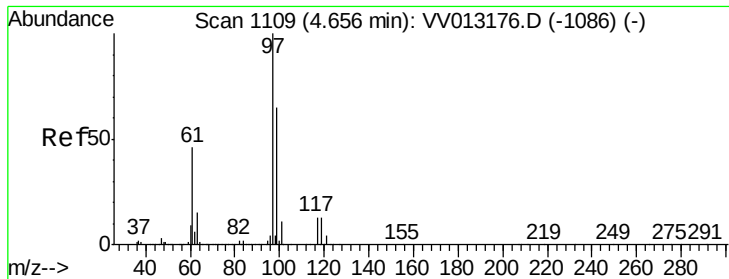
62 100

98 11.4 7.4 11.2#



Abundance Ion 62.00 (61.70 to 62.70): VV013180.D (-1178) (-)





#29

1,1,1-Trichloroethane

Concen: 0.655 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV013180.D

Acq: 17 Oct 2019 18:49

Instrument :
MSVOA_V
ClientSampled :

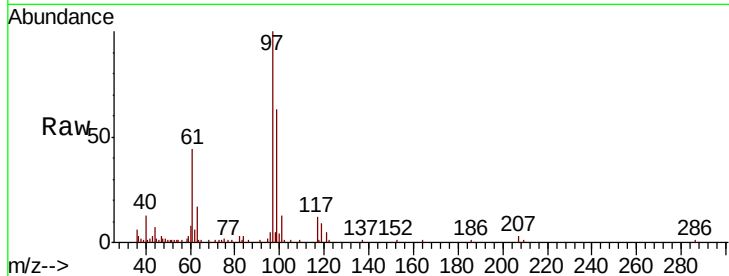
Tot Ion: 97 Resp: 32960

Ion Ratio Lower Upper

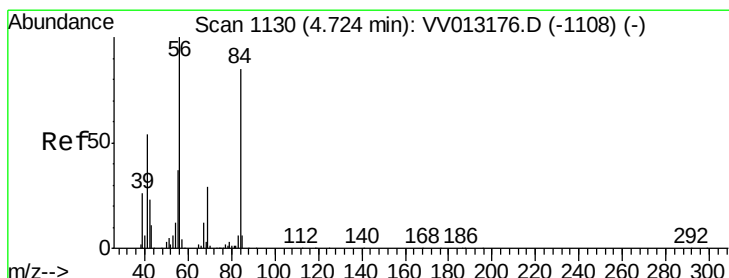
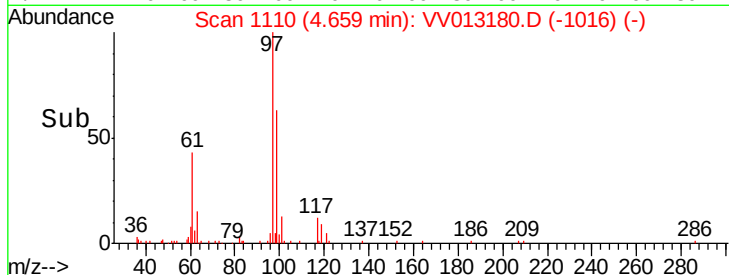
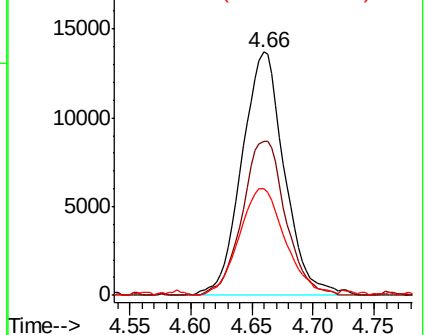
97 100

99 64.7 51.2 76.8

61 47.9 37.0 55.4



Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 0.689 ug/L

RT: 4.73 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VV013180.D

Acq: 17 Oct 2019 18:49

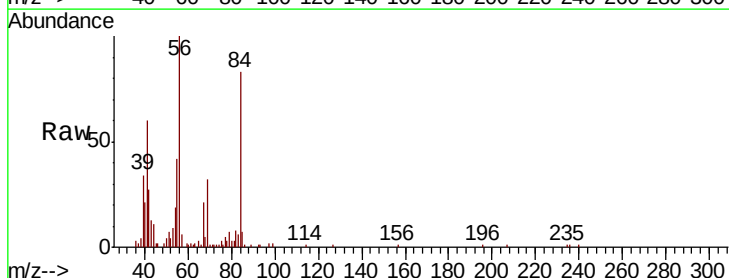
Tgt Ion: 56 Resp: 31453

Ion Ratio Lower Upper

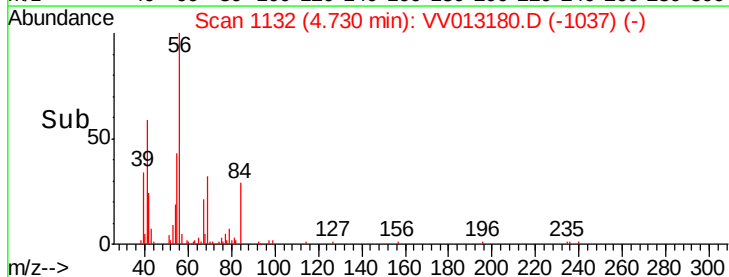
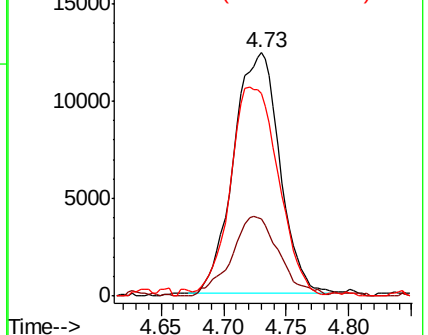
56 100

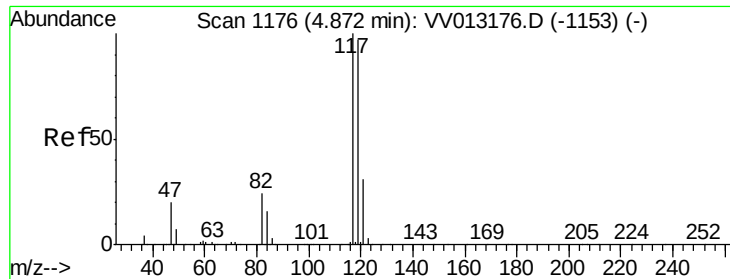
69 34.5 23.0 34.4#

84 89.1 69.0 103.4



Abundance Ion 56.10 (55.80 to 56.80): VV0
Ion 69.15 (68.85 to 69.85): VV0
Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 0.694 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV013180.D

Acq: 17 Oct 2019 18:49

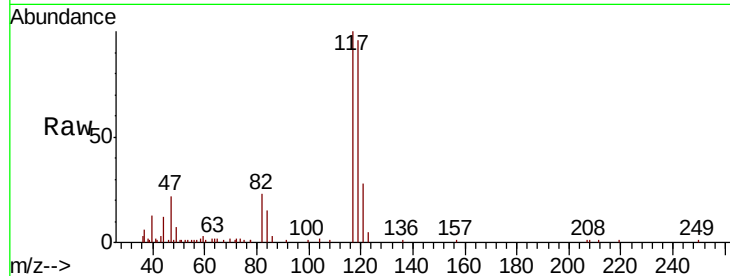
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 30071

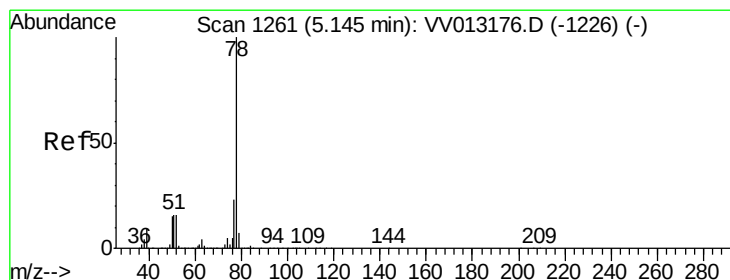
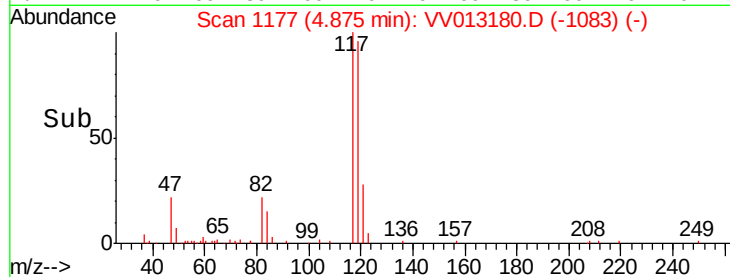
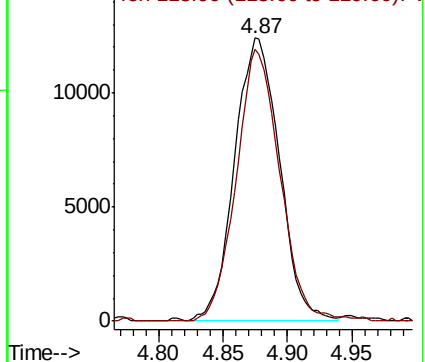
Ion Ratio Lower Upper

117 100

119 93.3 77.9 116.9



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.669 ug/L

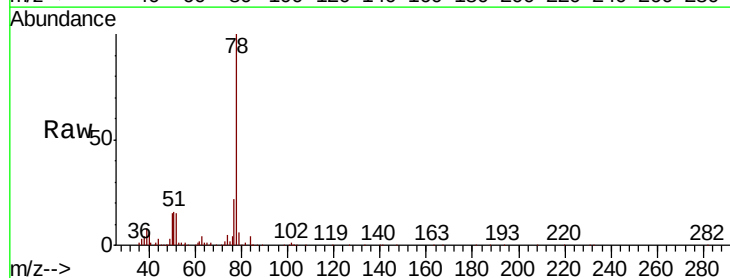
RT: 5.15 min Scan# 1263

Delta R.T. 0.01 min

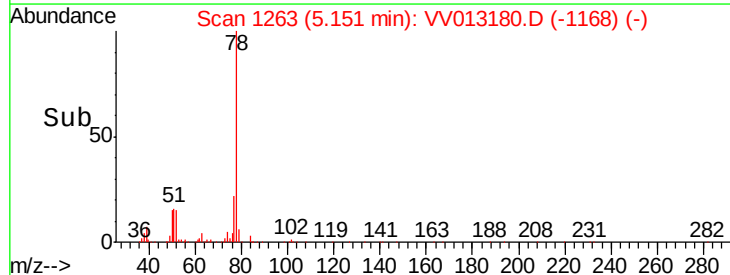
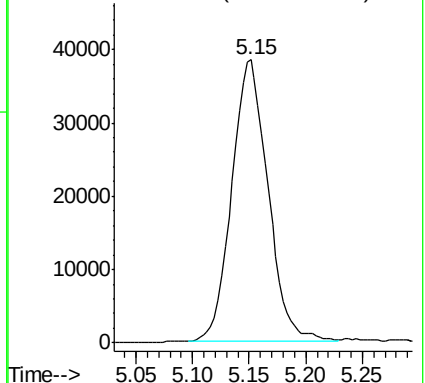
Lab File: VV013180.D

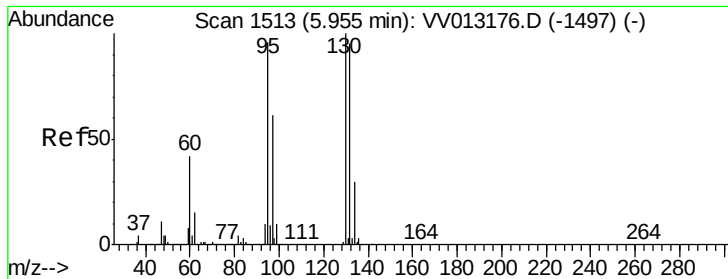
Acq: 17 Oct 2019 18:49

Tgt Ion: 78 Resp: 85486



Abundance Ion 78.10 (77.80 to 78.80): VV0

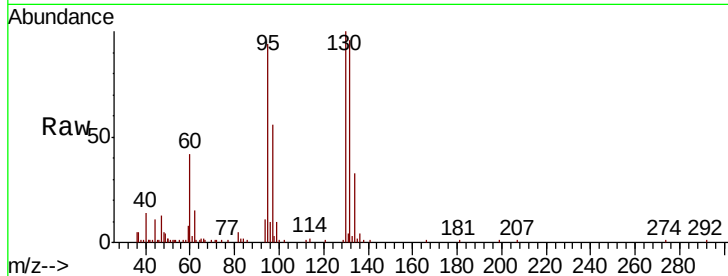




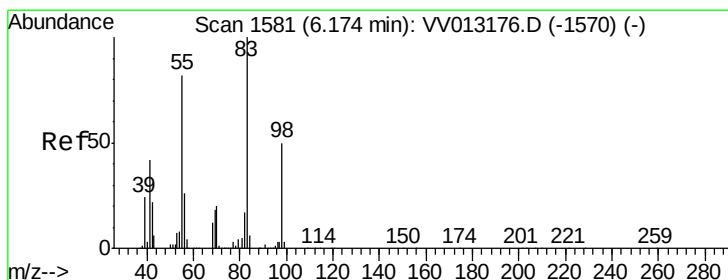
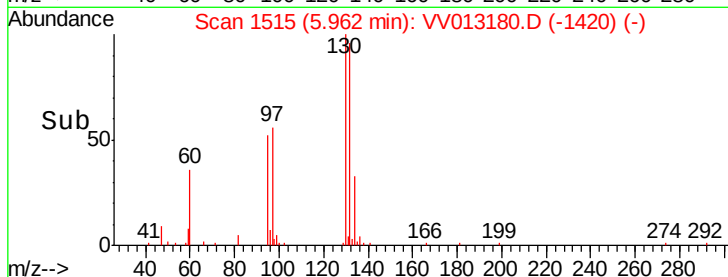
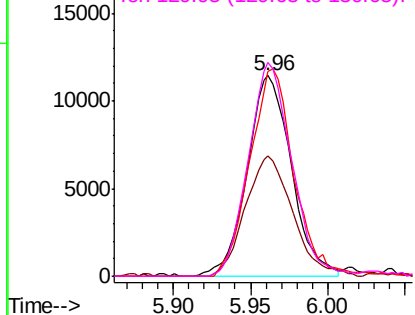
#34
 Trichloroethene
 Concen: 0.692 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.01 min
 Lab File: VV013180.D
 Acq: 17 Oct 2019 18:49

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	95	Resp:	22745
Ion	Ratio	Lower	Upper
95	100		
97	59.9	44.7	82.9
132	102.0	68.9	127.9
130	106.5	72.7	134.9

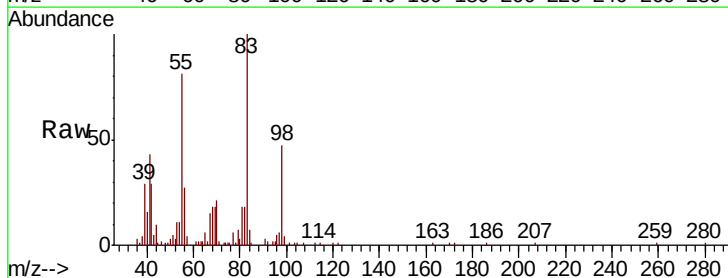


Abundance Ion 95.00 (94.70 to 95.70): VV013180.D (-1420) (-)
 Ion 96.95 (96.65 to 97.65): VV013180.D (-1420) (-)
 Ion 131.95 (131.65 to 132.65): VV013180.D (-1420) (-)
 Ion 129.95 (129.65 to 130.65): VV013180.D (-1420) (-)

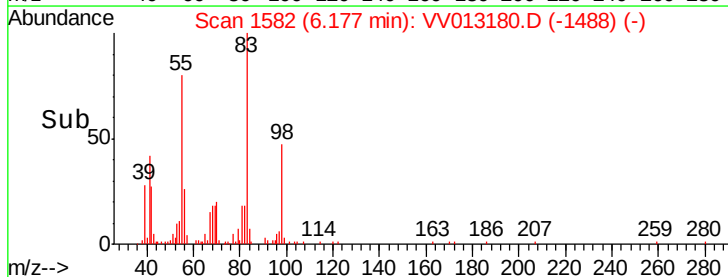
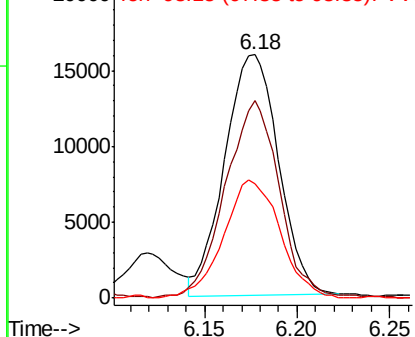


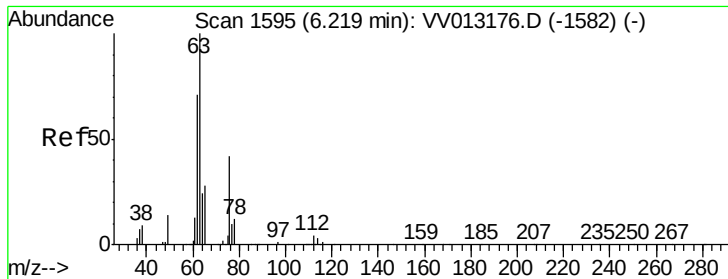
#35
 Methylcyclohexane
 Concen: 0.686 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV013180.D
 Acq: 17 Oct 2019 18:49

Tgt Ion:	83	Resp:	32115
Ion	Ratio	Lower	Upper
83	100		
55	82.6	64.0	96.0
98	51.4	38.6	57.8



Abundance Ion 83.15 (82.85 to 83.85): VV013180.D (-1488) (-)
 Ion 55.10 (54.80 to 55.80): VV013180.D (-1488) (-)
 Ion 98.15 (97.85 to 98.85): VV013180.D (-1488) (-)

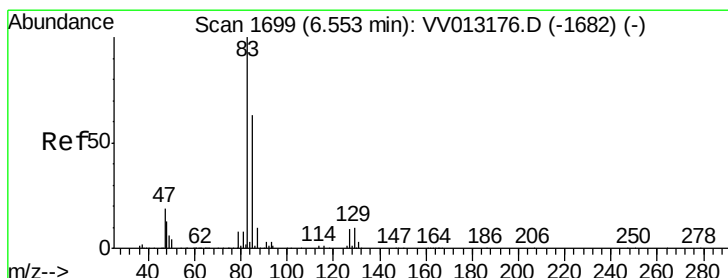
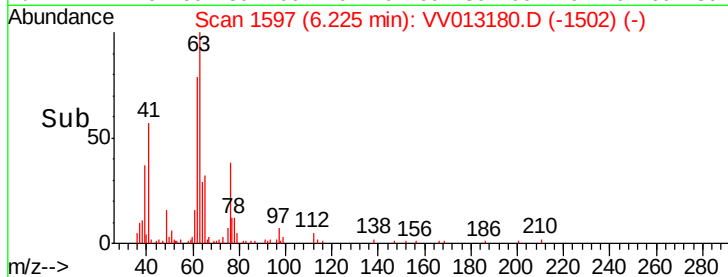
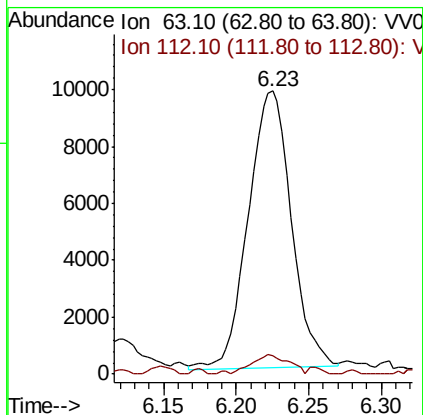
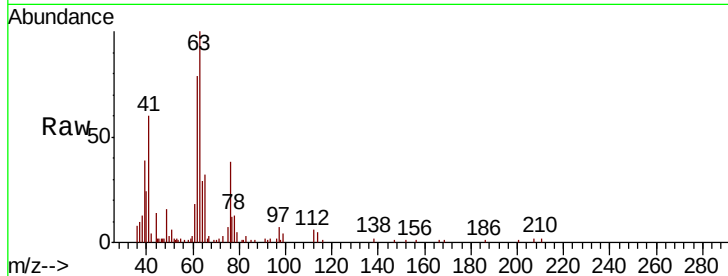




#37
 1,2-Dichloropropane
 Concen: 0.595 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. 0.01 min
 Lab File: VV013180.D
 Acq: 17 Oct 2019 18:49

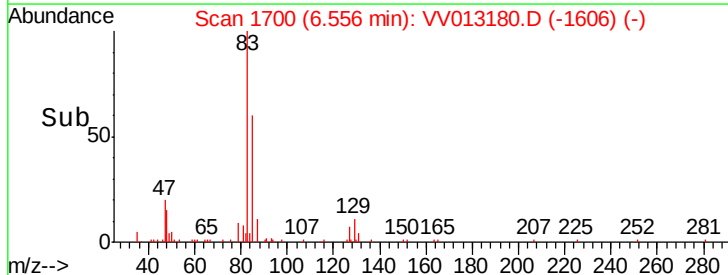
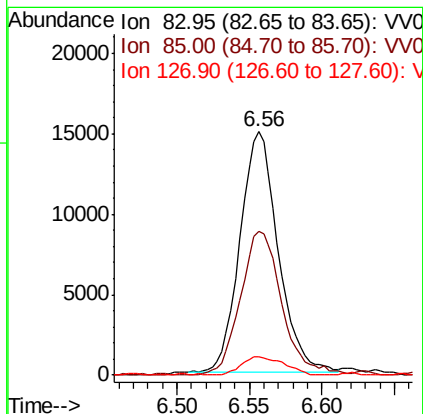
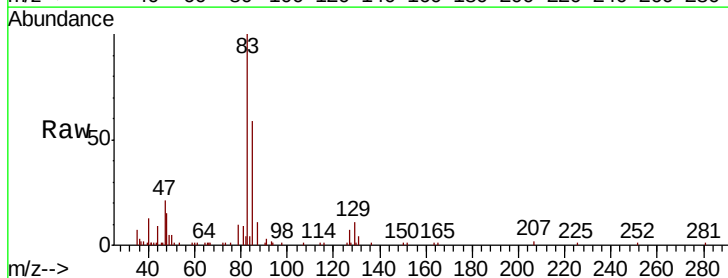
Instrument :
 MSVOA_V
 ClientSampled :

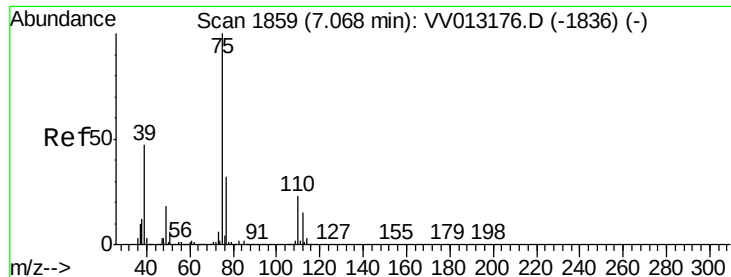
Tot Ion: 63 Resp: 20047
 Ion Ratio Lower Upper
 63 100
 112 6.1 3.8 5.8#



#38
 Bromodichloromethane
 Concen: 0.628 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV013180.D
 Acq: 17 Oct 2019 18:49

Tgt Ion: 83 Resp: 27409
 Ion Ratio Lower Upper
 83 100
 85 59.3 44.0 81.6
 127 7.4 7.0 10.6



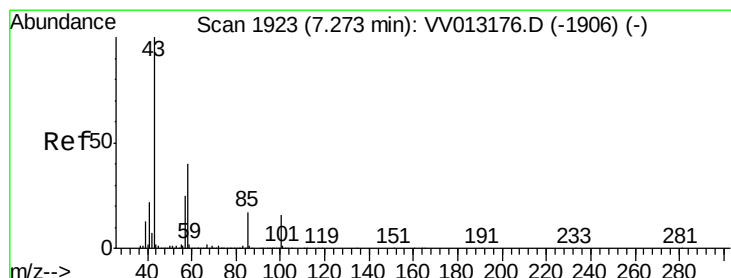
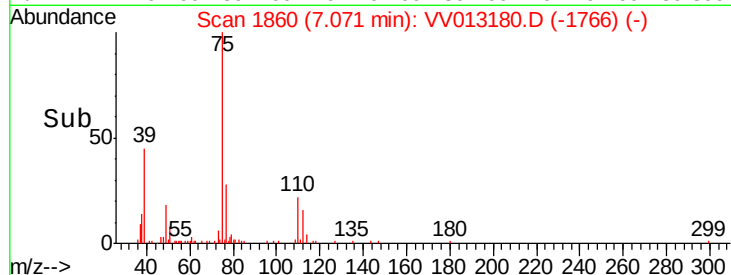
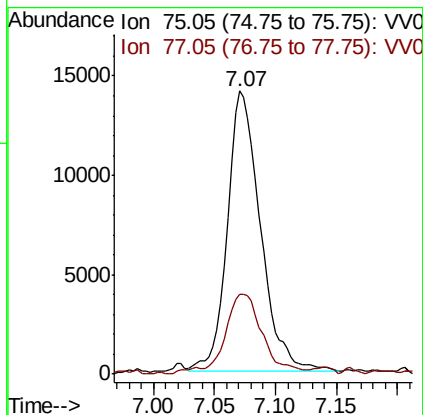
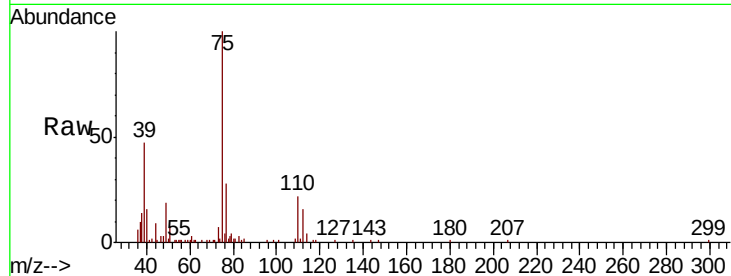


#39

cis-1,3-Dichloropropene
Concen: 0.590 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV013180.D
Acq: 17 Oct 2019 18:49

Instrument :
MSVOA_V
ClientSampleId :

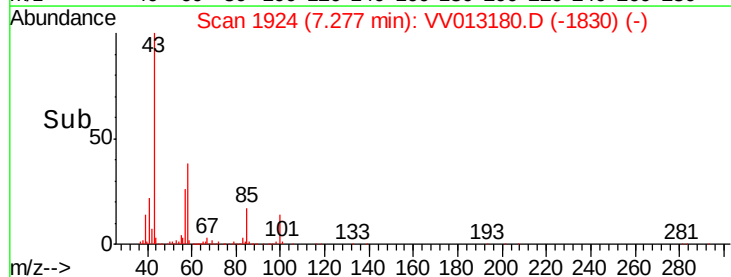
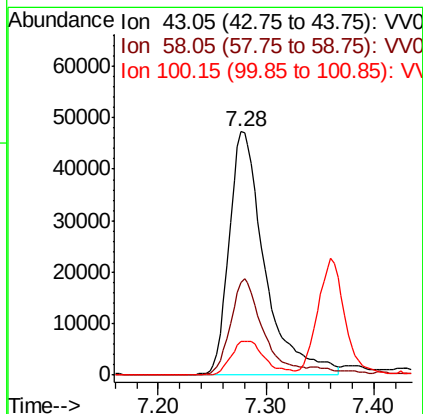
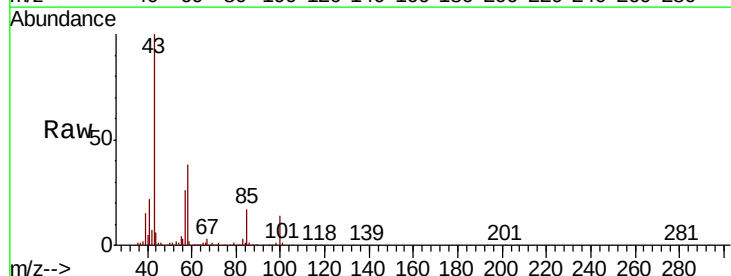
Tot Ion: 75 Resp: 26703
Ion Ratio Lower Upper
75 100
77 28.1 22.6 42.0

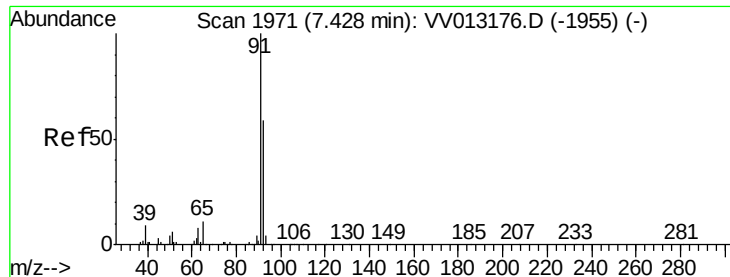


#40

4-Methyl-2-pentanone
Concen: 5.267 ug/L
RT: 7.28 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VV013180.D
Acq: 17 Oct 2019 18:49

Tgt Ion: 43 Resp: 108976
Ion Ratio Lower Upper
43 100
58 36.0 32.4 48.6
100 13.4 11.8 17.8





#42

Toluene

Concen: 0.611 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV013180.D

Acq: 17 Oct 2019 18:49

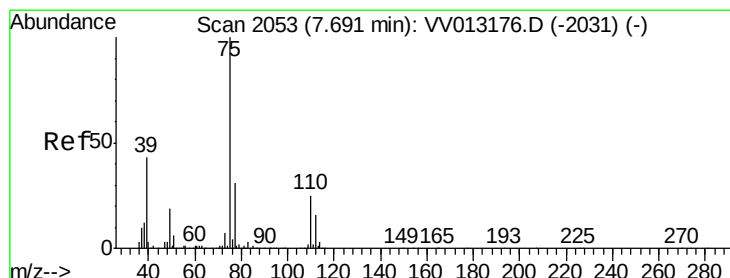
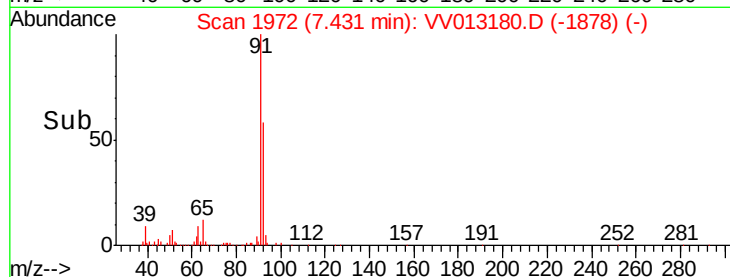
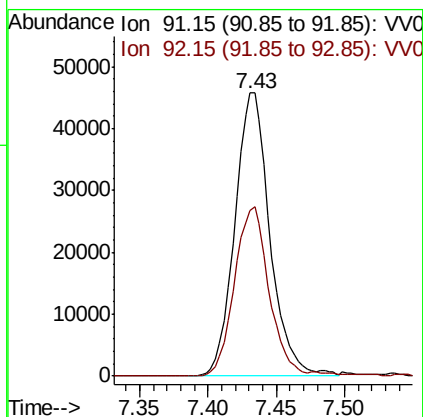
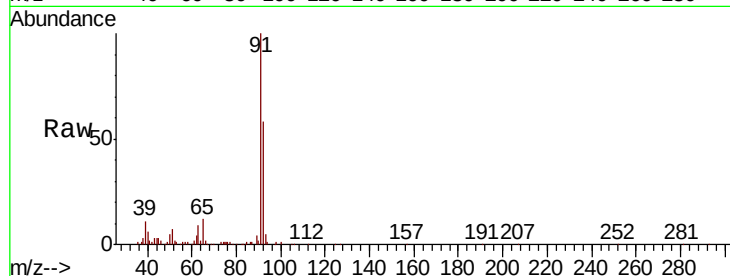
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 81612

Ion Ratio Lower Upper

91 100

92 58.5 41.2 76.4



#44

trans-1,3-Dichloropropene

Concen: 0.573 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.01 min

Lab File: VV013180.D

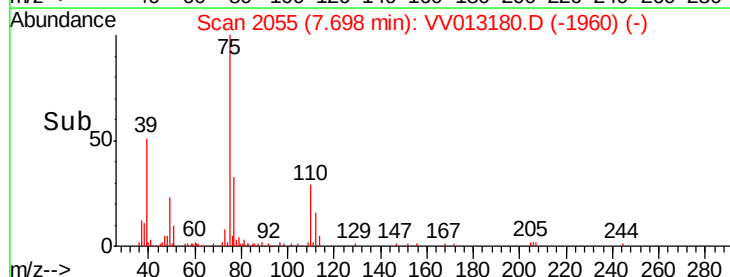
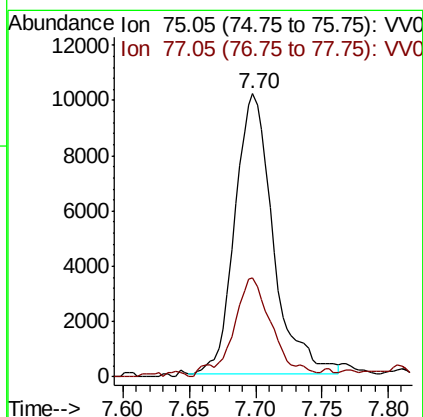
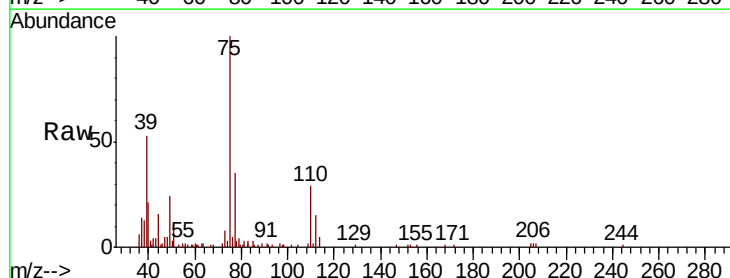
Acq: 17 Oct 2019 18:49

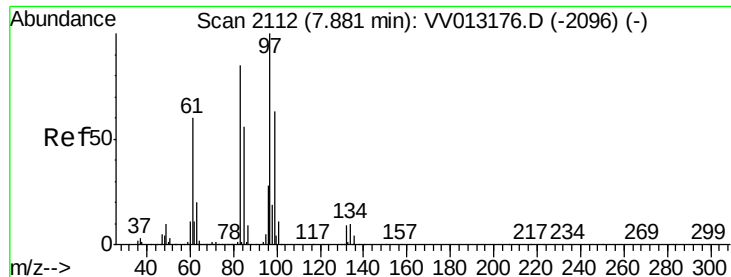
Tgt Ion: 75 Resp: 20410

Ion Ratio Lower Upper

75 100

77 35.0 21.8 40.4

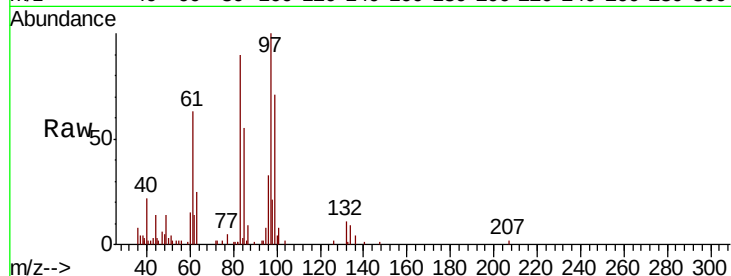




#45
1,1,2-Trichloroethane
Concen: 0.618 ug/L
RT: 7.88 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VV013180.D
Acq: 17 Oct 2019 18:49

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	97	Resp:	15219
Ion	Ratio	Lower	Upper
97	100		
99	70.6	43.8	81.4
83	90.4	59.5	110.5
85	54.9	39.5	73.4



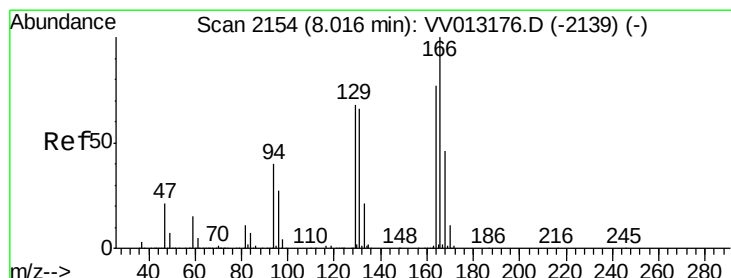
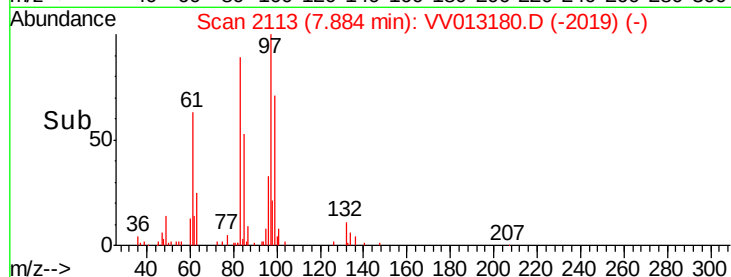
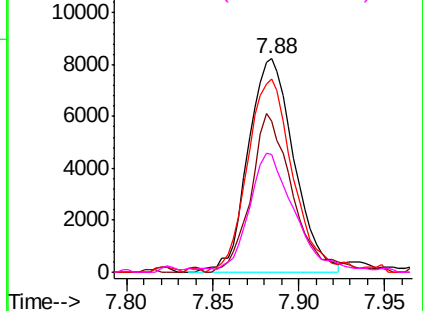
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

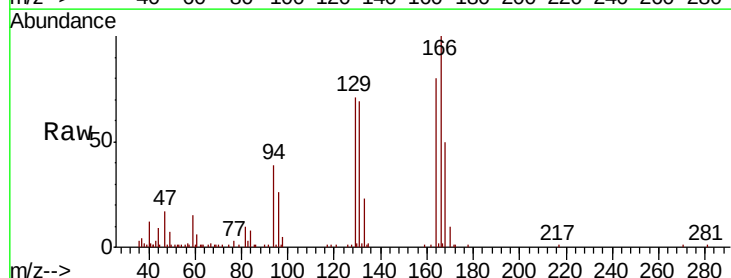
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
Tetrachloroethene
Concen: 0.781 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV013180.D
Acq: 17 Oct 2019 18:49

Tgt Ion:	164	Resp:	21279
Ion	Ratio	Lower	Upper
164	100		
129	88.9	62.2	115.4
131	86.2	59.9	111.3
166	124.9	91.1	169.1



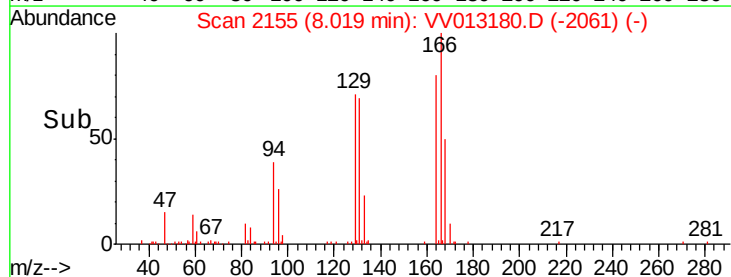
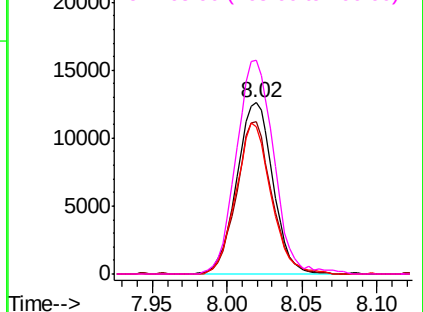
Abundance

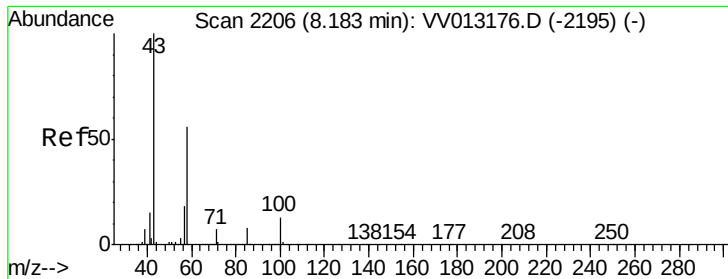
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

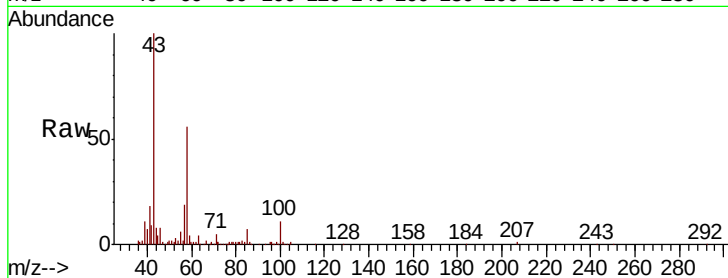




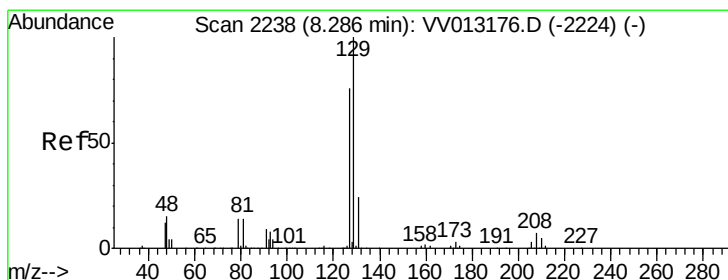
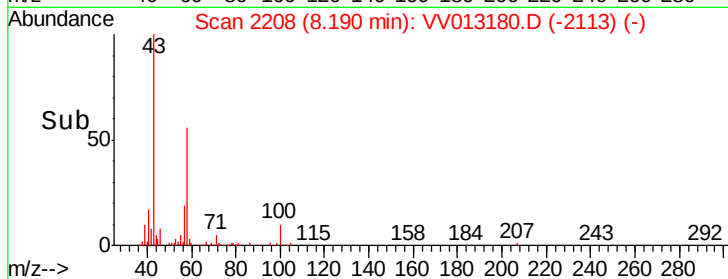
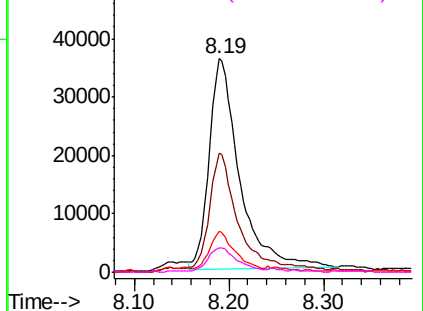
#48
2-Hexanone
Concen: 5.372 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.01 min
Lab File: VV013180.D
Acq: 17 Oct 2019 18:49

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 80452
Ion Ratio Lower Upper
43 100
58 48.9 44.2 66.2
57 14.8 14.5 21.7
100 11.1 9.5 14.3

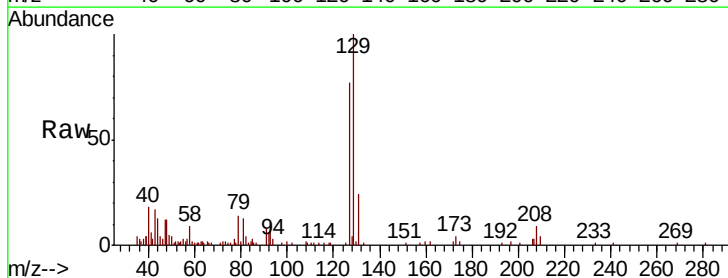


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

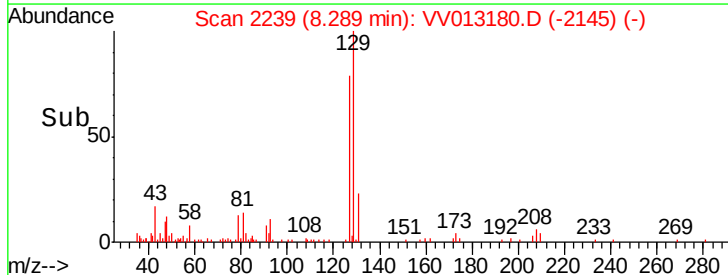
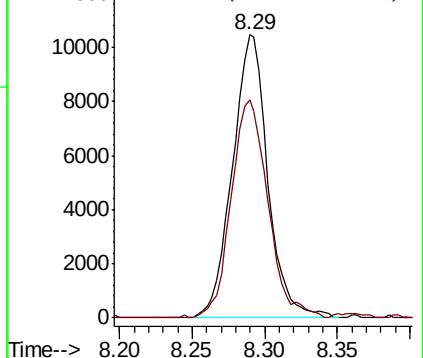


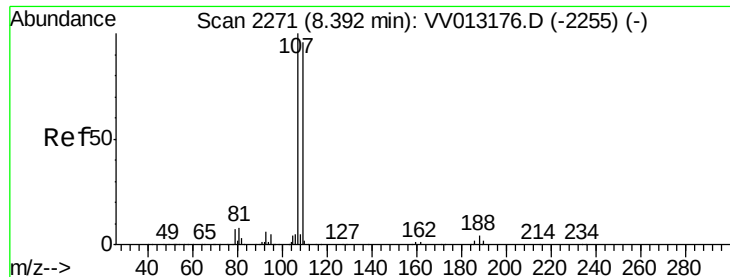
#49
Dibromochloromethane
Concen: 0.617 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV013180.D
Acq: 17 Oct 2019 18:49

Tgt Ion: 129 Resp: 17680
Ion Ratio Lower Upper
129 100
127 77.2 53.2 98.8



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

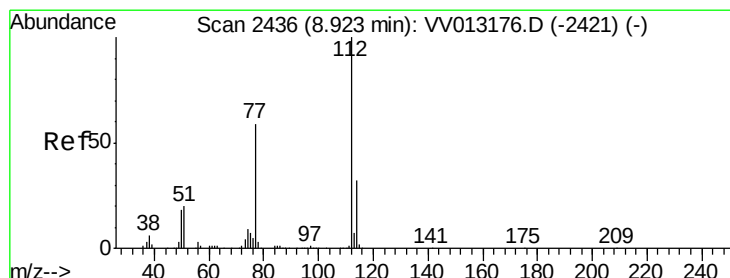
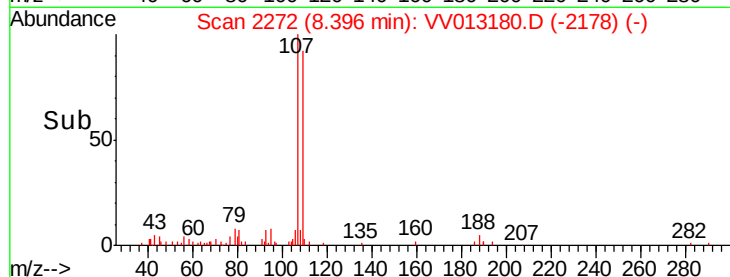
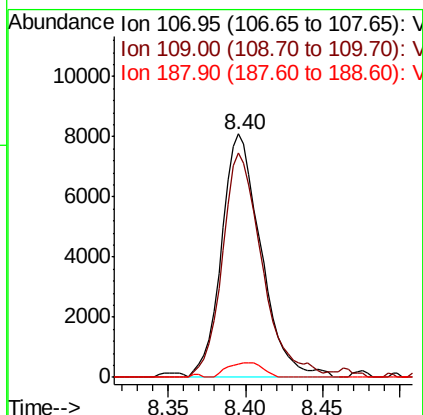
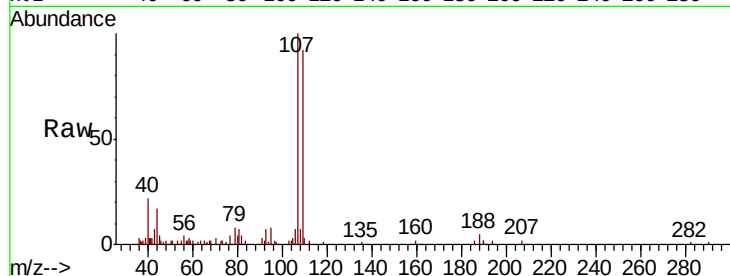




#50
 1,2-Dibromoethane
 Concen: 0.683 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV013180.D
 Acq: 17 Oct 2019 18:49

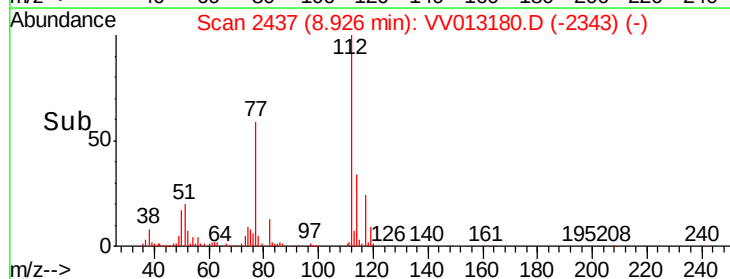
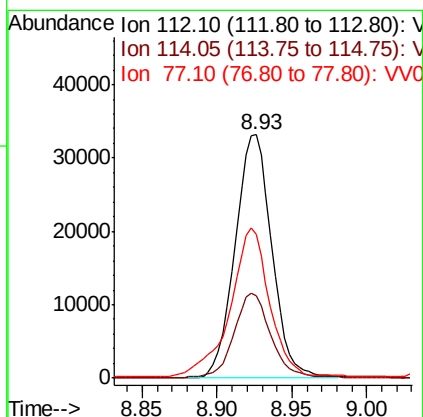
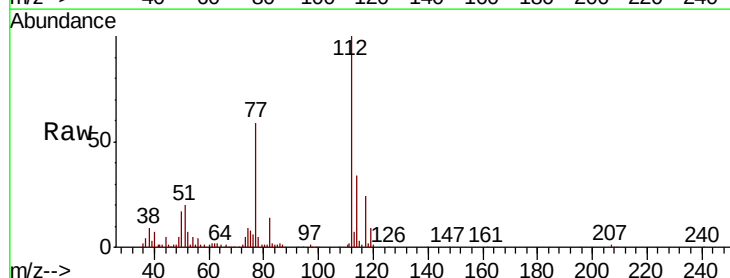
Instrument :
 MSVOA_V
 ClientSampled :

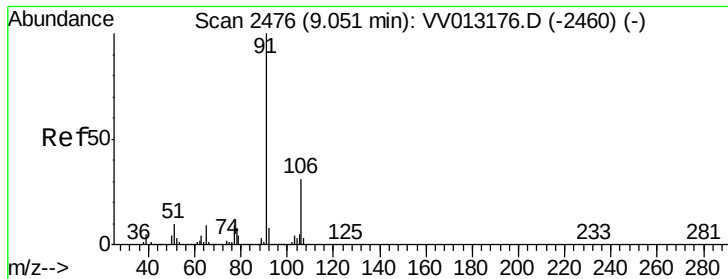
Tot Ion:107 Resp: 14357
 Ion Ratio Lower Upper
 107 100
 109 92.2 67.3 124.9
 188 5.4 3.3 4.9#



#51
 Chlorobenzene
 Concen: 0.636 ug/L
 RT: 8.93 min Scan# 2437
 Delta R.T. 0.00 min
 Lab File: VV013180.D
 Acq: 17 Oct 2019 18:49

Tgt Ion:112 Resp: 56807
 Ion Ratio Lower Upper
 112 100
 114 33.7 22.6 42.0
 77 58.9 47.5 71.3





#52

Ethylbenzene

Concen: 0.588 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV013180.D

Acq: 17 Oct 2019 18:49

Instrument :

MSVOA_V

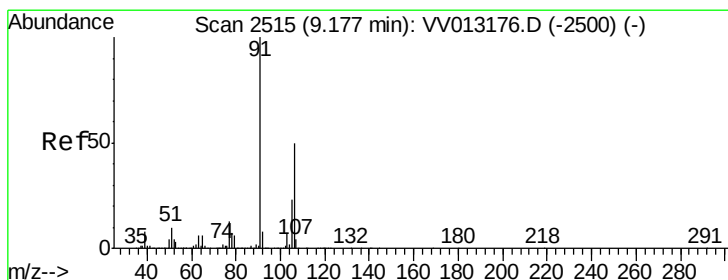
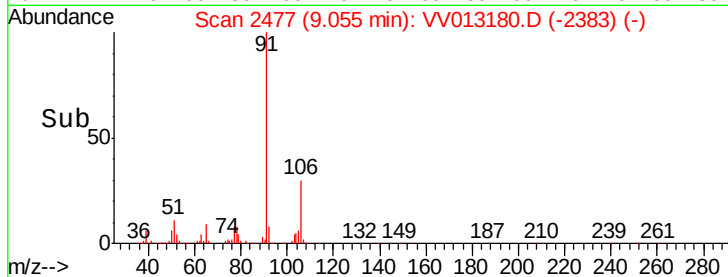
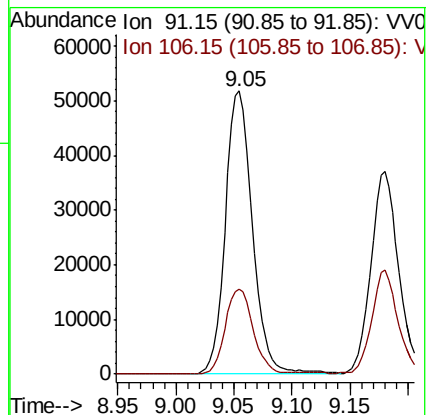
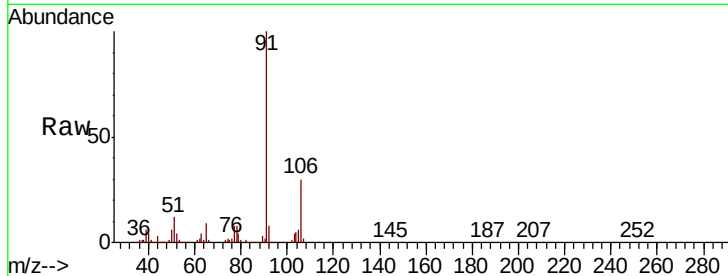
ClientSampleId :

Tot Ion: 91 Resp: 84241

Ion Ratio Lower Upper

91 100

106 30.2 22.0 40.8



#53

m,p-xylene

Concen: 0.553 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013180.D

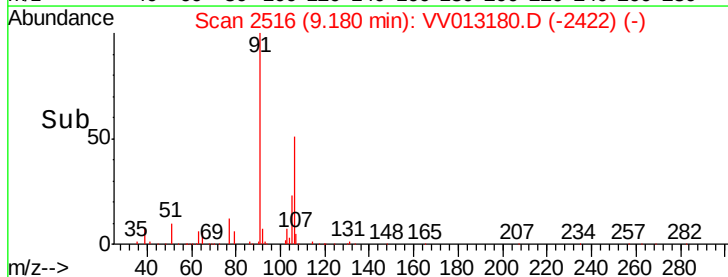
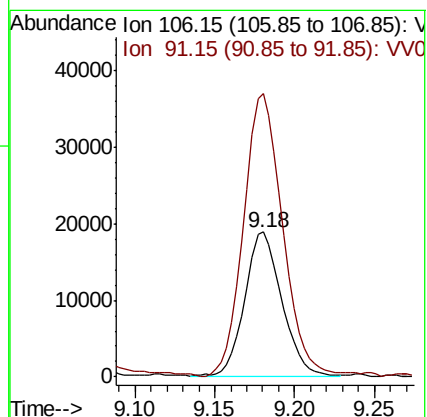
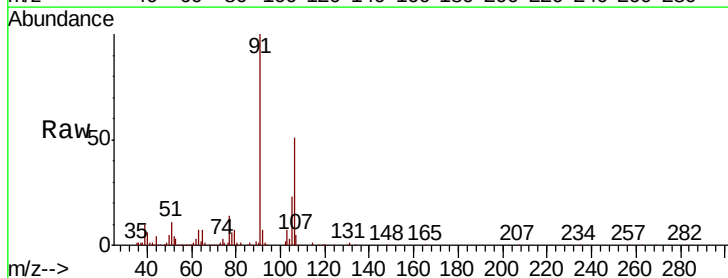
Acq: 17 Oct 2019 18:49

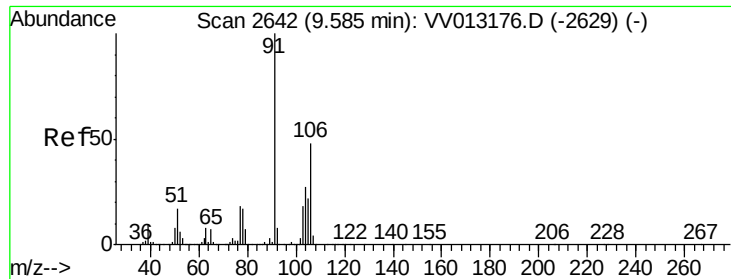
Tgt Ion: 106 Resp: 29633

Ion Ratio Lower Upper

106 100

91 195.3 141.3 262.5





#54

o-xylene

Concen: 0.571 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV013180.D

Acq: 17 Oct 2019 18:49

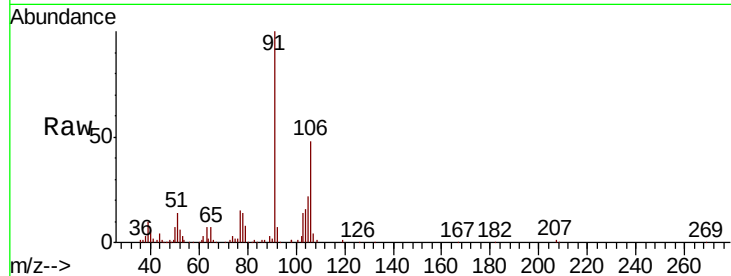
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 29840

Ion Ratio Lower Upper

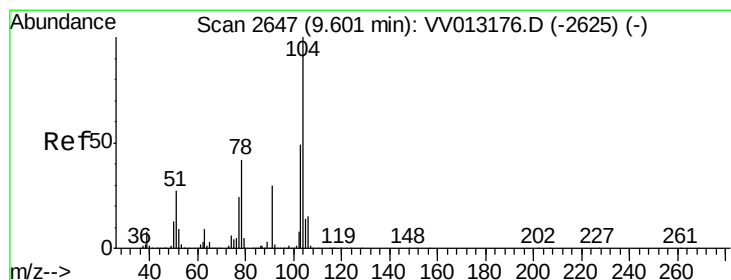
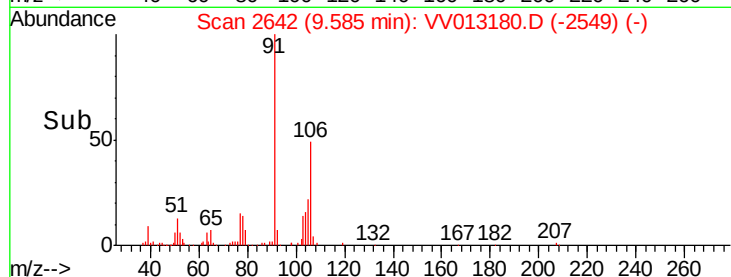
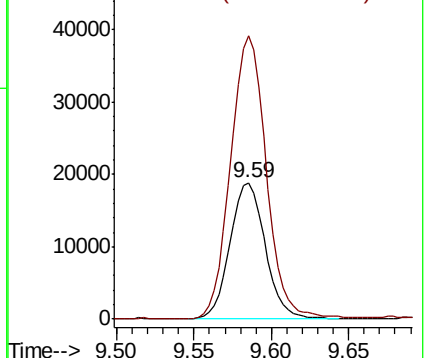
106 100

91 207.2 145.3 269.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.535 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV013180.D

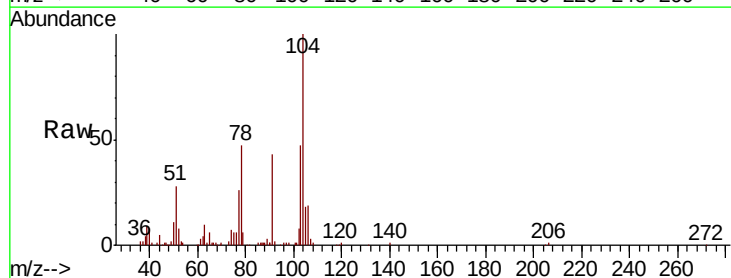
Acq: 17 Oct 2019 18:49

Tgt Ion:104 Resp: 47471

Ion Ratio Lower Upper

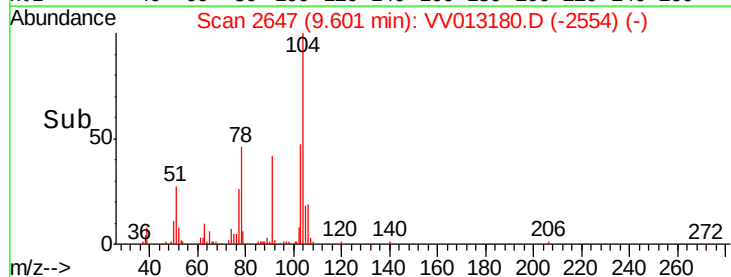
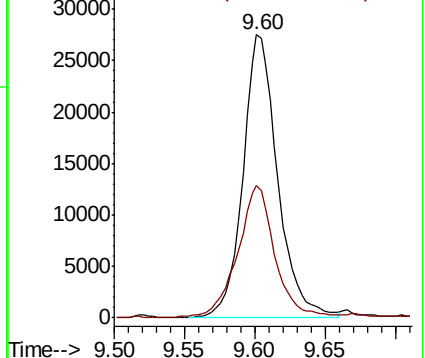
104 100

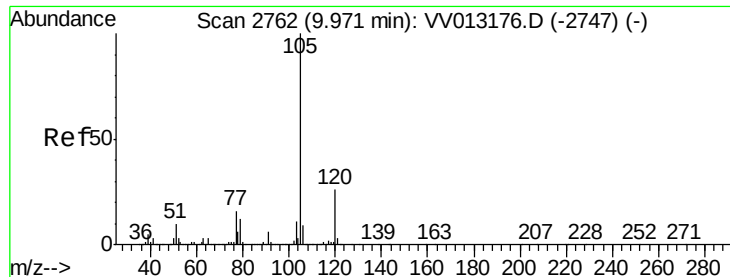
78 46.8 29.5 54.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.538 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013180.D

Acq: 17 Oct 2019 18:49

Instrument :

MSVOA_V

ClientSampleId :

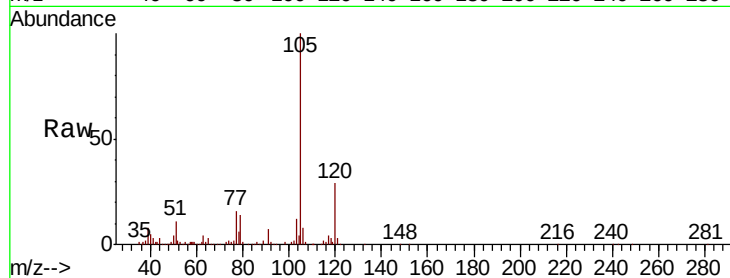
Tot Ion:105 Resp: 75053

Ion Ratio Lower Upper

105 100

120 27.4 21.0 31.6

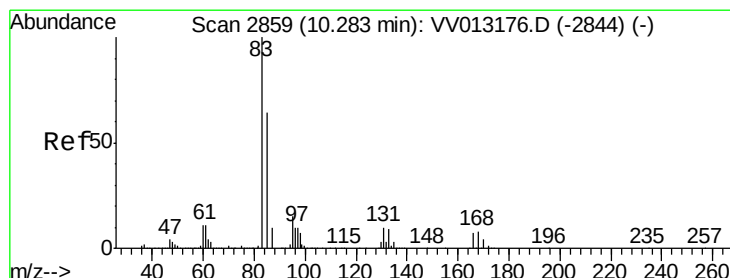
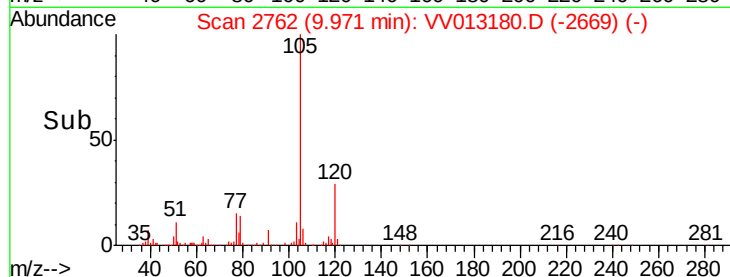
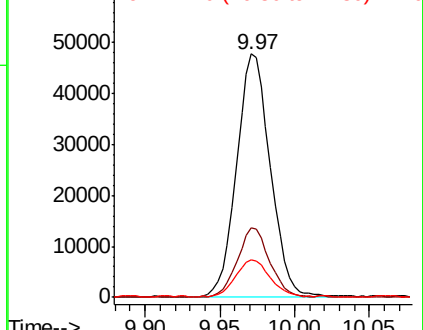
77 15.6 12.4 18.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.666 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV013180.D

Acq: 17 Oct 2019 18:49

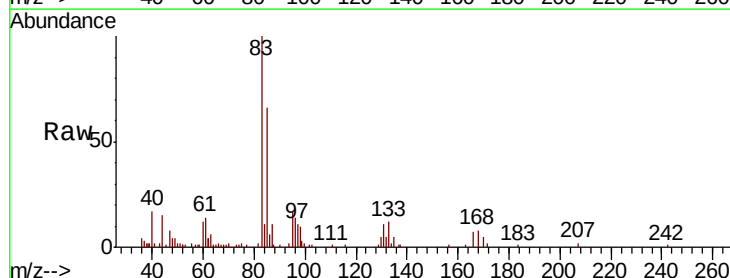
Tgt Ion: 83 Resp: 20323

Ion Ratio Lower Upper

83 100

85 66.0 44.6 82.8

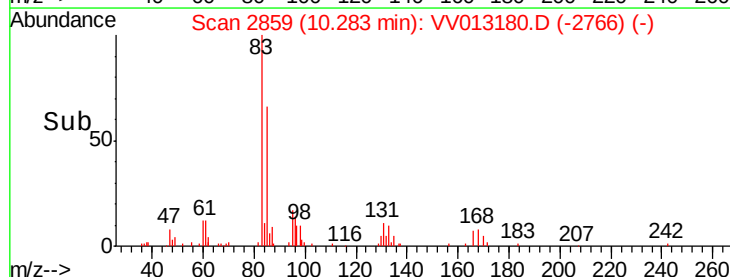
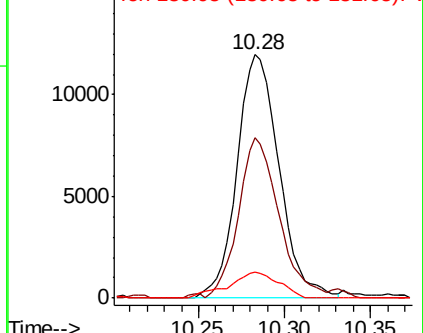
131 10.7 8.3 12.5

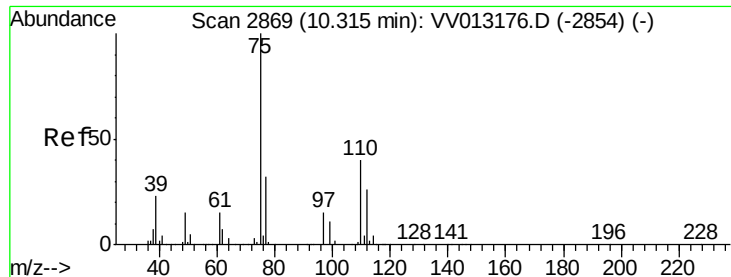


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

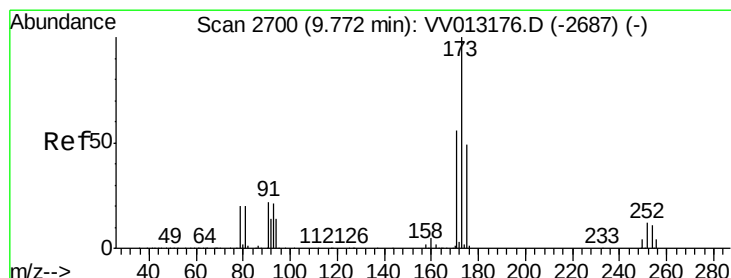
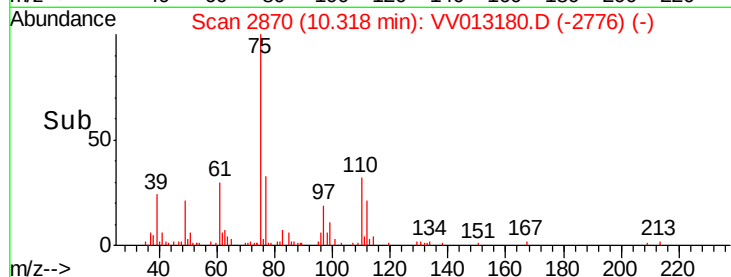
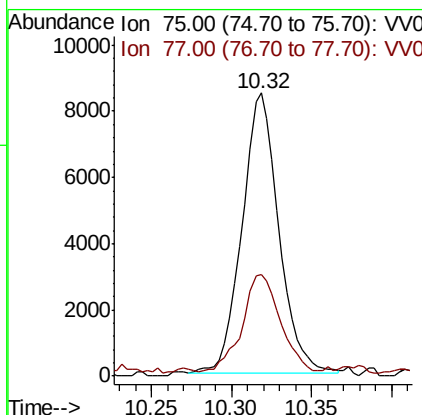
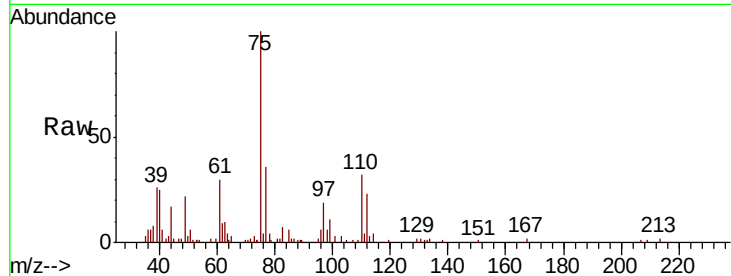




#59
 1,2,3-Trichloropropane
 Concen: 0.615 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV013180.D
 Acq: 17 Oct 2019 18:49

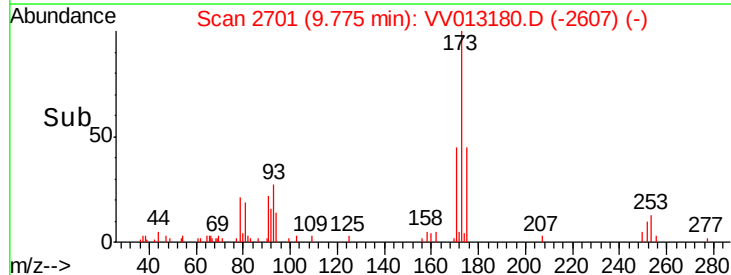
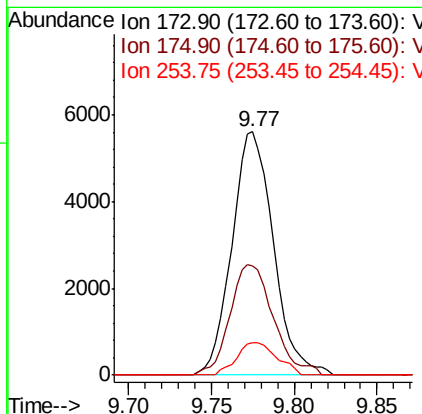
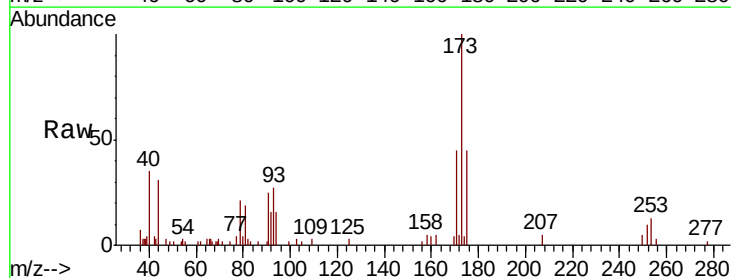
Instrument :
 MSVOA_V
 ClientSampleId :

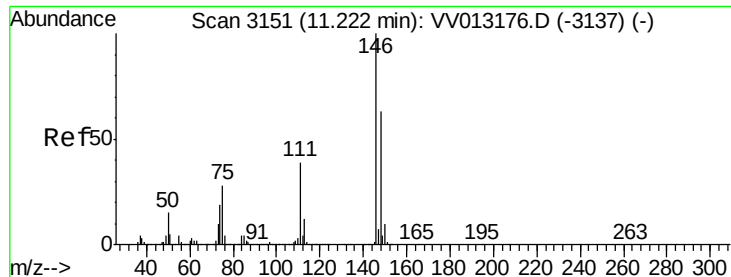
Tot Ion: 75 Resp: 13088
 Ion Ratio Lower Upper
 75 100
 77 37.1 26.0 39.0



#61
 Bromoform
 Concen: 0.605 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV013180.D
 Acq: 17 Oct 2019 18:49

Tgt Ion: 173 Resp: 9789
 Ion Ratio Lower Upper
 173 100
 175 47.3 39.1 58.7
 254 13.0 9.4 14.2

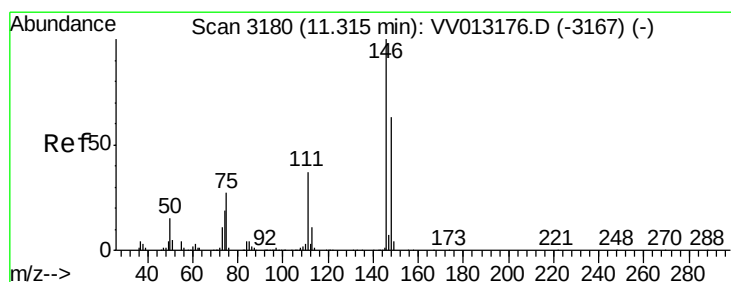
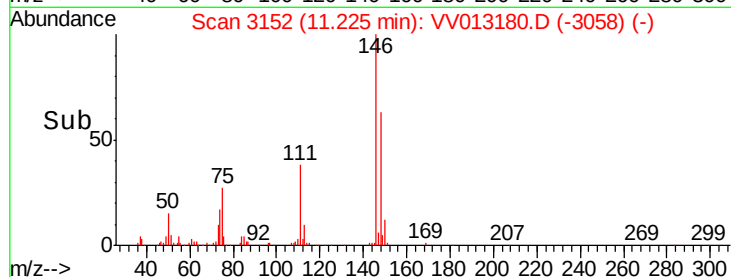
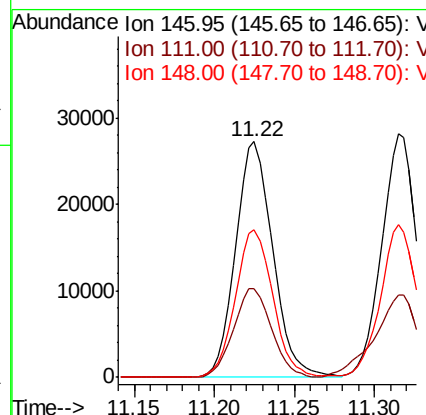
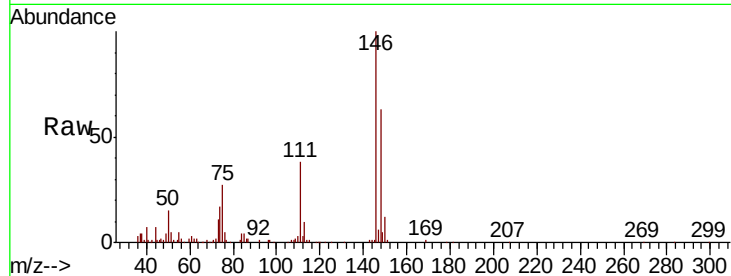




#62
 1,3-Dichlorobenzene
 Concen: 0.602 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV013180.D
 Acq: 17 Oct 2019 18:49

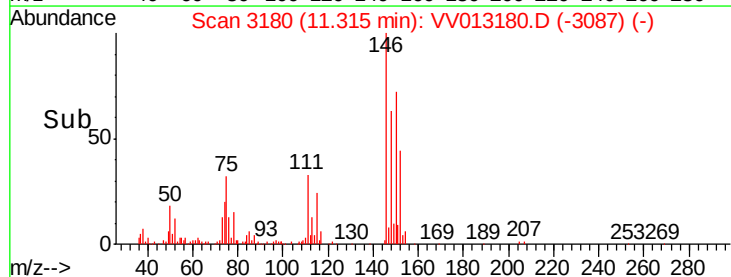
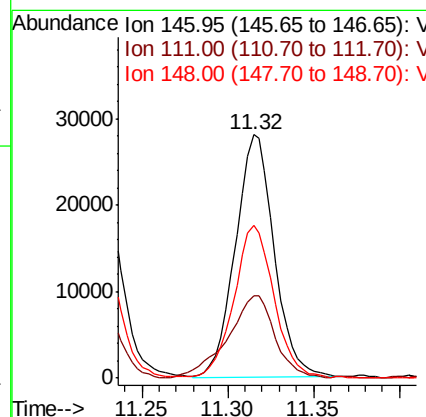
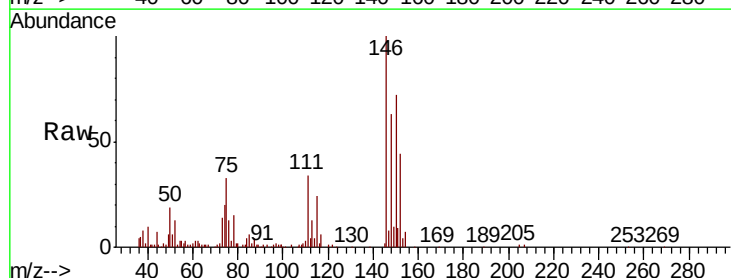
Instrument :
 MSVOA_V
 ClientSampleId :

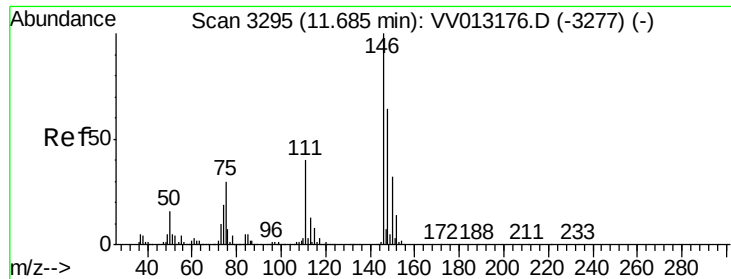
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	27.1	50.3
148	62.7	44.4	82.5



#63
 1,4-Dichlorobenzene
 Concen: 0.599 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV013180.D
 Acq: 17 Oct 2019 18:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.8	25.7	47.7
148	62.9	44.4	82.5





#65

1,2-Dichlorobenzene

Concen: 0.593 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV013180.D

Acq: 17 Oct 2019 18:49

Instrument :

MSVOA_V

ClientSampleId :

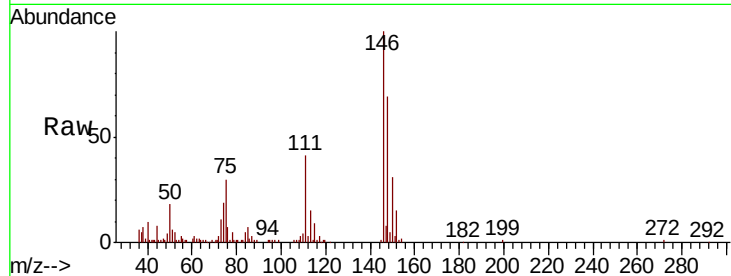
Tot Ion:146 Resp: 41212

Ion Ratio Lower Upper

146 100

111 40.7 31.9 47.9

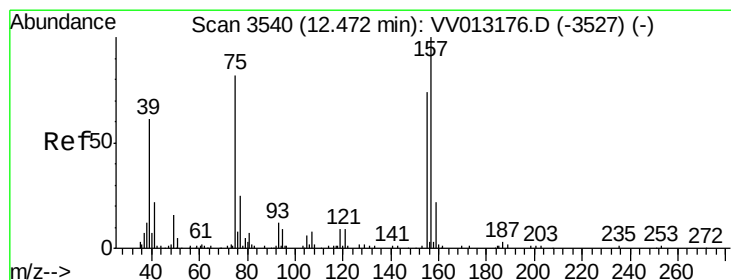
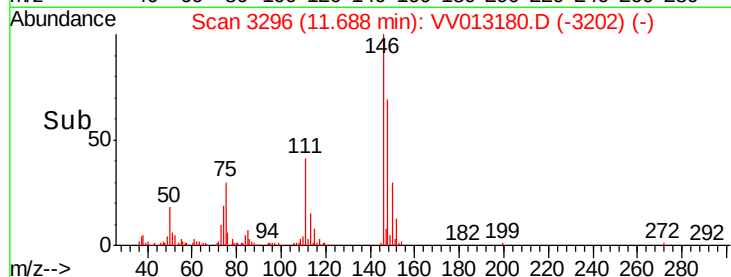
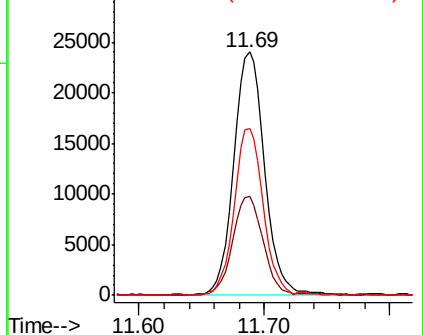
148 68.7 51.4 77.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.718 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV013180.D

Acq: 17 Oct 2019 18:49

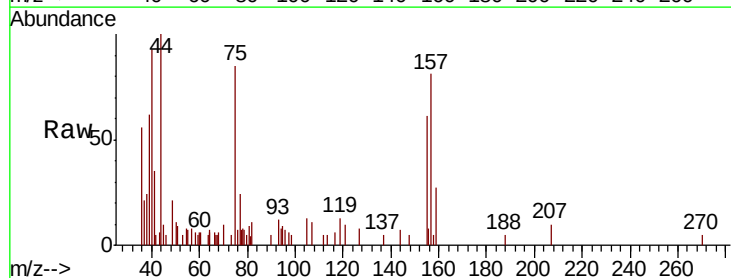
Tgt Ion: 75 Resp: 3356

Ion Ratio Lower Upper

75 100

155 72.5 71.9 107.9

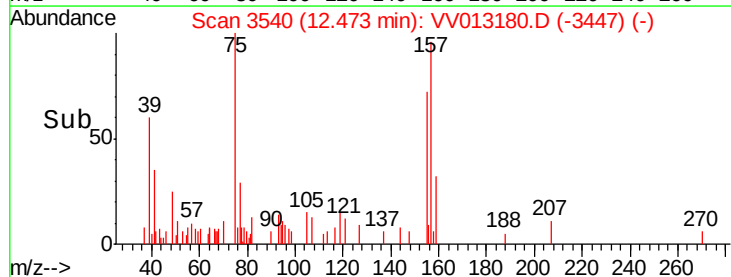
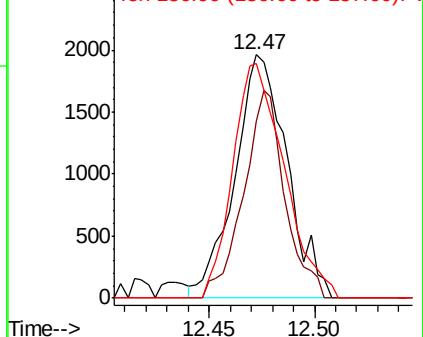
157 96.1 97.3 145.9#

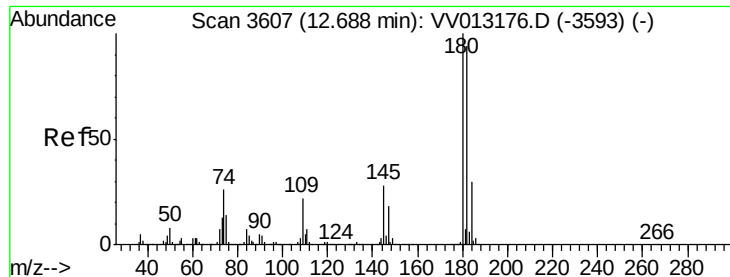


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

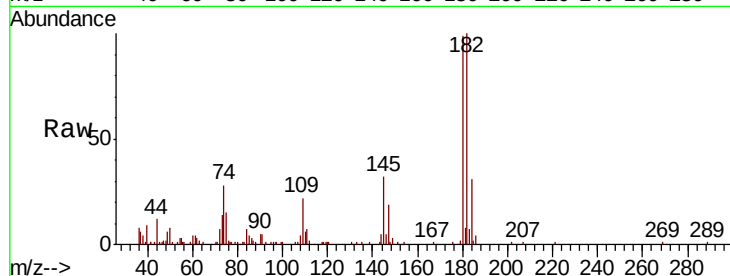




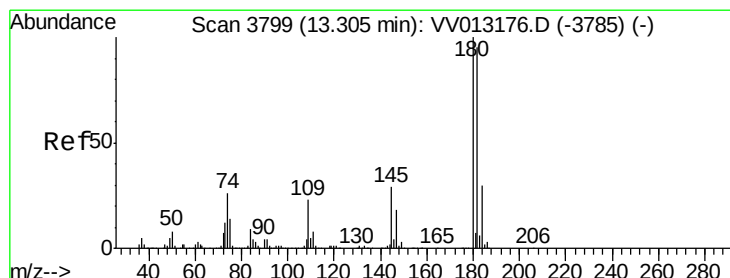
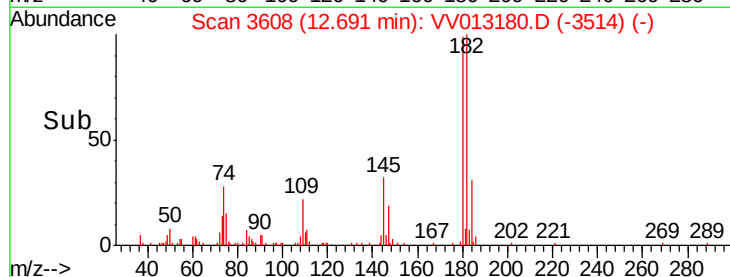
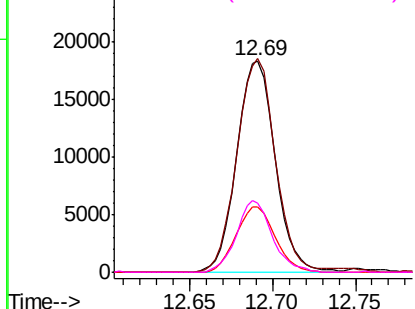
#67
 1,3,5-Trichlorobenzene
 Concen: 0.542 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV013180.D
 Acq: 17 Oct 2019 18:49

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:180	Resp:	29623
Ion Ratio	Lower	Upper
180	100	
182	101.4	75.8 113.6
184	31.6	24.2 36.4
145	31.6	22.1 33.1

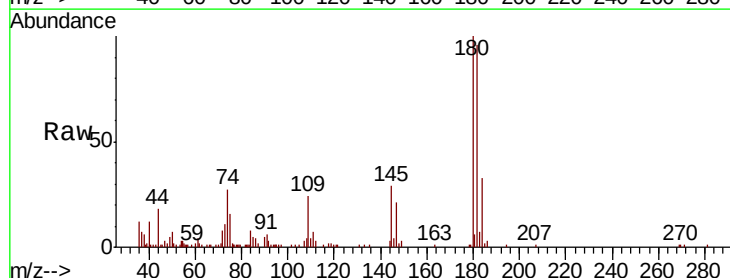


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

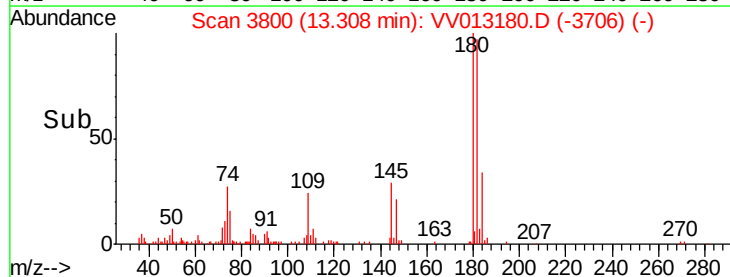
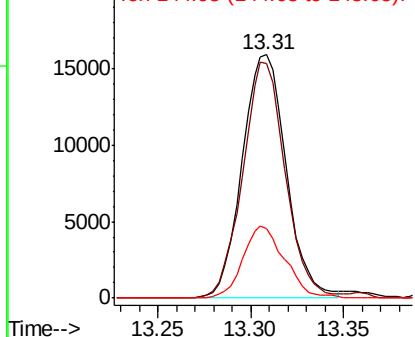


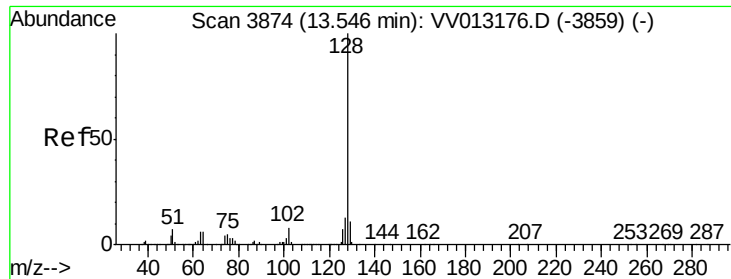
#68
 1,2,4-trichlorobenzene
 Concen: 0.590 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV013180.D
 Acq: 17 Oct 2019 18:49

Tgt Ion:180	Resp:	26244
Ion Ratio	Lower	Upper
180	100	
182	93.6	75.9 113.9
145	28.1	22.4 33.6



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





#69

Naphthalene

Concen: 0.499 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV013180.D

Acq: 17 Oct 2019 18:49

Instrument :

MSVOA_V

ClientSampleId :

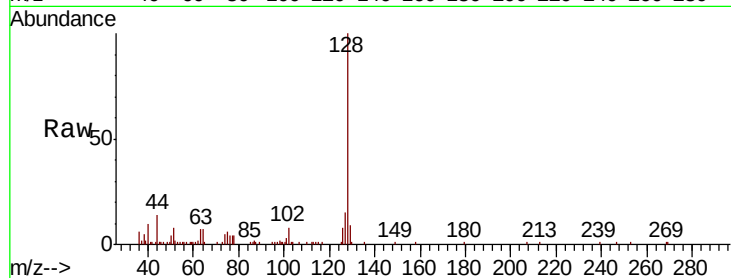
Tot Ion:128 Resp: 33298

Ion Ratio Lower Upper

128 100

129 5.7 8.6 13.0#

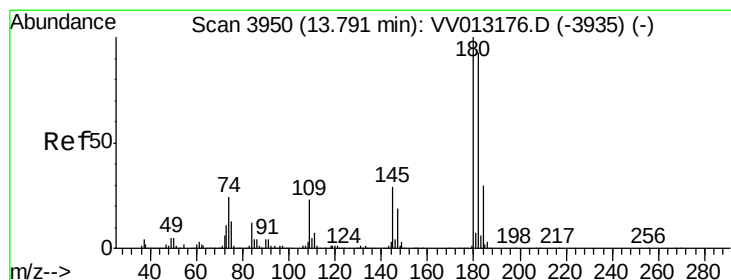
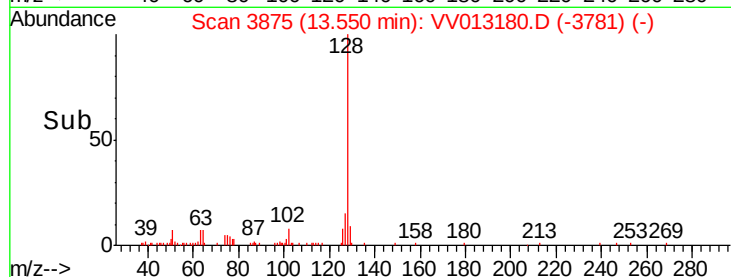
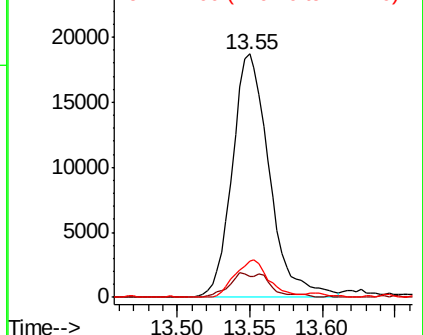
127 13.9 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.570 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV013180.D

Acq: 17 Oct 2019 18:49

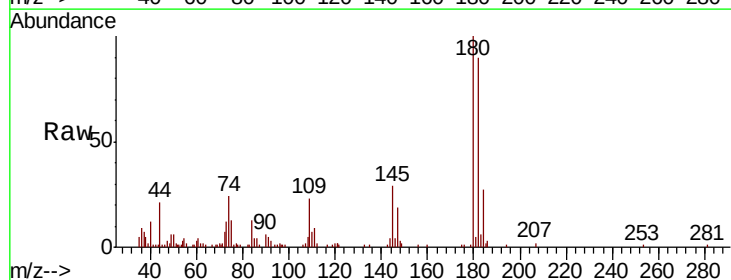
Tgt Ion:180 Resp: 24792

Ion Ratio Lower Upper

180 100

182 93.9 76.5 114.7

145 33.1 23.8 35.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

