

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081219\
 Data File : VV012200.D
 Acq On : 12 Aug 2019 11:17
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 12 14:03:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 12 14:00:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	454687	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	430789	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	214928	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	33026	17.26	ug/L	0.00
7) Chloroethane-d5	1.58	69	29563	21.97	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	58508	16.24	ug/L	0.00
21) 2-Butanone-d5	3.93	46	54633	46.74	ug/L	0.00
24) Chloroform-d	4.40	84	73154	17.79	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	46108	19.03	ug/L	0.00
32) Benzene-d6	5.10	84	143728	18.05	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	44884	19.71	ug/L	0.00
41) Toluene-d8	7.36	98	128841	17.19	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	21701	18.13	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	31635	34.62	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	64704	20.55	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	54617	18.13	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	32430	8.323 ug/L	100
3) Chloromethane	1.25	50	28792	9.934 ug/L	93
5) Vinyl chloride	1.32	62	29550	10.794 ug/L	93
6) Bromomethane	1.53	94	16627	10.514 ug/L	97
8) Chloroethane	1.60	64	17112	11.688 ug/L	99
9) Trichlorofluoromethane	1.77	101	39839	9.053 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	23457	10.894 ug/L	97
12) 1,1-Dichloroethene	2.14	96	21380	10.758 ug/L #	76
13) Acetone	2.18	43	34874	26.249 ug/L	95
14) Carbon disulfide	2.32	76	66367	9.554 ug/L	99
15) Methyl Acetate	2.46	43	25579	9.868 ug/L	98
16) Methylene chloride	2.53	84	27020	9.317 ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	24360	8.882 ug/L	98
18) Methyl tert-butyl Ether	2.80	73	68031	7.830 ug/L	98
19) 1,1-Dichloroethane	3.23	63	45396	9.297 ug/L	96
20) cis-1,2-Dichloroethene	3.96	96	26853	8.659 ug/L	94
22) 2-Butanone	4.01	43	37729	19.586 ug/L	96
23) Bromochloromethane	4.30	128	13757	8.204 ug/L	96
25) Chloroform	4.42	83	47572	8.812 ug/L	98
27) 1,2-Dichloroethane	5.18	62	33330	7.941 ug/L	99
29) Cyclohexane	4.72	56	36052	8.587 ug/L	99
30) 1,1,1-Trichloroethane	4.65	97	39864	8.071 ug/L	98
31) Carbon tetrachloride	4.87	117	35435	7.730 ug/L	98
33) Benzene	5.14	78	100145	9.036 ug/L	100
34) Trichloroethene	5.96	95	26002	8.720 ug/L	96
35) Methylcyclohexane	6.18	83	40852	8.571 ug/L	98
37) 1,2-Dichloropropane	6.22	63	24030	8.935 ug/L #	97
38) Bromodichloromethane	6.55	83	33148	8.154 ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	36089	7.953 ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	61257	17.531 ug/L	98

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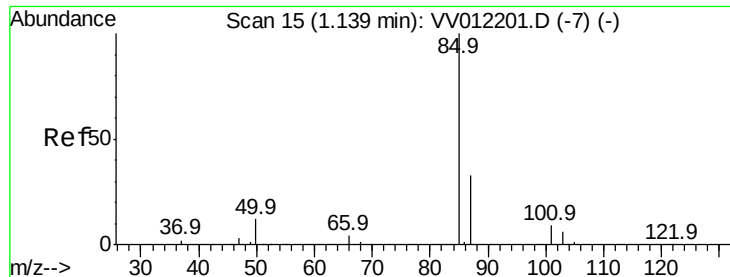
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 12 14:03:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081219WMA.M
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 Response via : Initial Calibration

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

42) Toluene	7.43	91	100382	8.231	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	32696	7.940	ug/L	94
45) 1,1,2-Trichloroethane	7.88	97	24517	8.441	ug/L	97
46) Tetrachloroethene	8.02	164	22843	8.133	ug/L	97
48) 2-Hexanone	8.18	43	47146	17.527	ug/L	98
49) Dibromochloromethane	8.29	129	26860	7.446	ug/L	96
50) 1,2-Dibromoethane	8.40	107	25569	8.075	ug/L #	99
51) Chlorobenzene	8.92	112	70664	8.559	ug/L	99
52) Ethylbenzene	9.05	91	108640	8.000	ug/L	100
53) m,p-Xylene	9.18	106	40832	7.618	ug/L	98
54) o-xylene	9.59	106	38764	7.363	ug/L	96
55) Styrene	9.60	104	63425	7.159	ug/L	94
56) Isopropylbenzene	9.97	105	102060	7.361	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	38916	8.621	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	30622	8.557	ug/L	98
61) Bromoform	9.77	173	18034	6.782	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	53231	8.164	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	56623	8.653	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	53783	8.199	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	7614	7.553	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	39128	7.622	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	29376	6.926	ug/L	94
69) Naphthalene	13.55	128	64681	5.466	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	29079	6.533	ug/L	95

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



#2

Dichlorodifluoromethane

Concen: 8.323 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012200.D

Acq: 12 Aug 2019 11:17

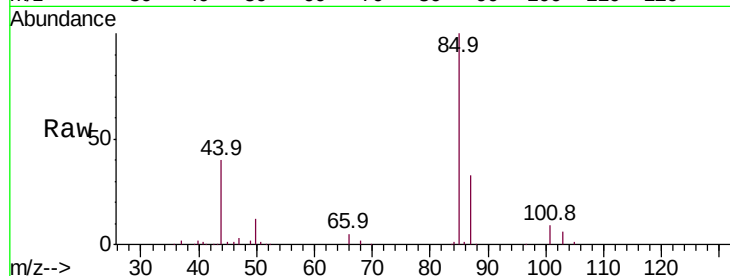
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 32430

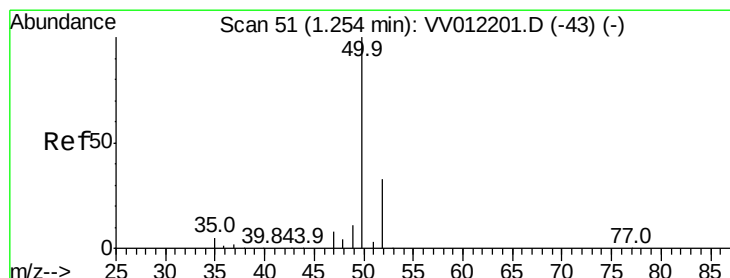
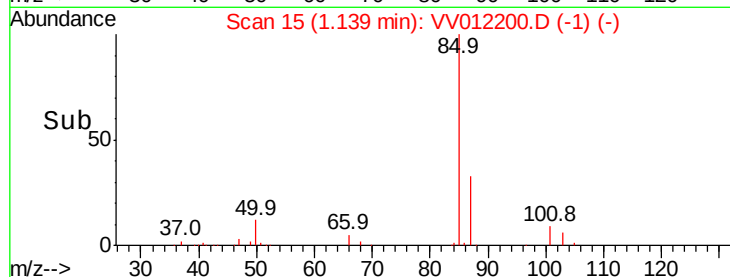
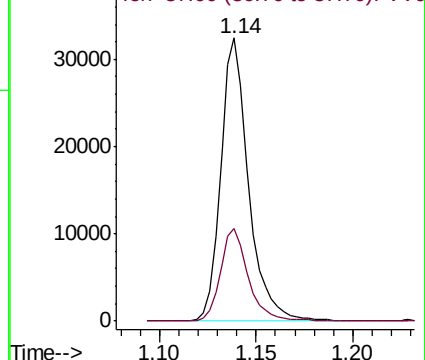
Ion Ratio Lower Upper

85 100

87 32.4 25.9 38.9



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



#3

Chloromethane

Concen: 9.934 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012200.D

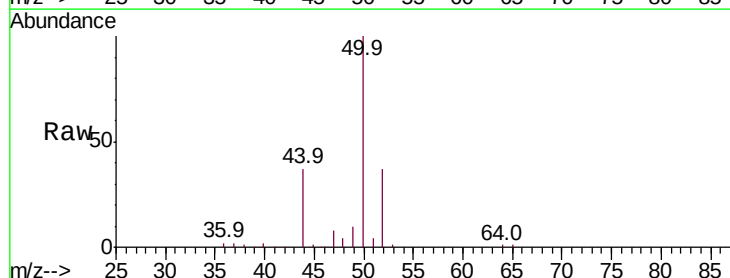
Acq: 12 Aug 2019 11:17

Tgt Ion: 50 Resp: 28792

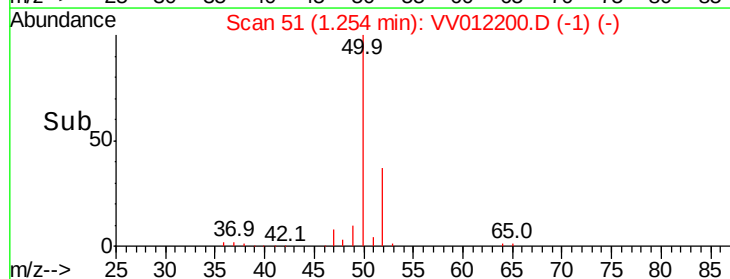
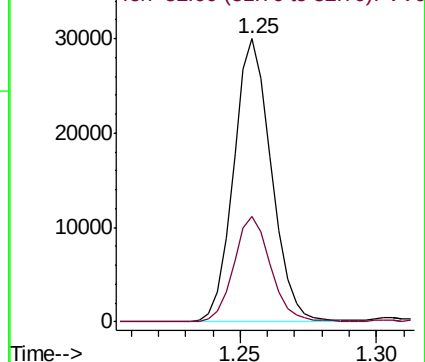
Ion Ratio Lower Upper

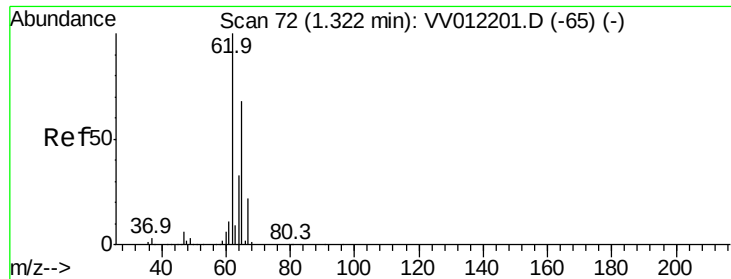
50 100

52 37.2 23.3 43.3



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





#5

Vinyl chloride

Concen: 10.794 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012200.D

Acq: 12 Aug 2019 11:17

Instrument :

MSVOA_V

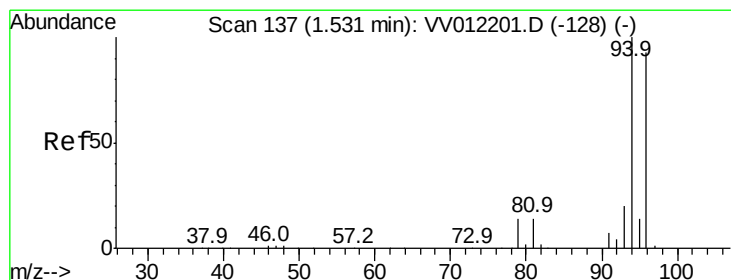
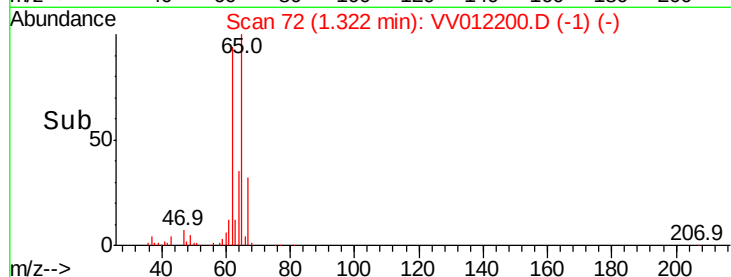
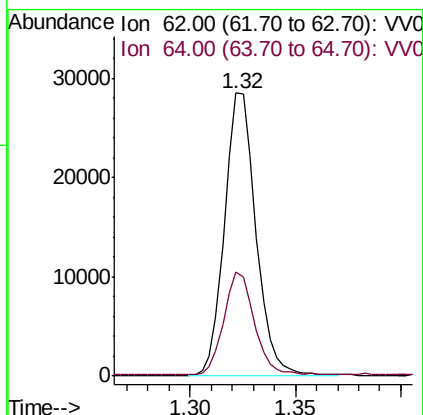
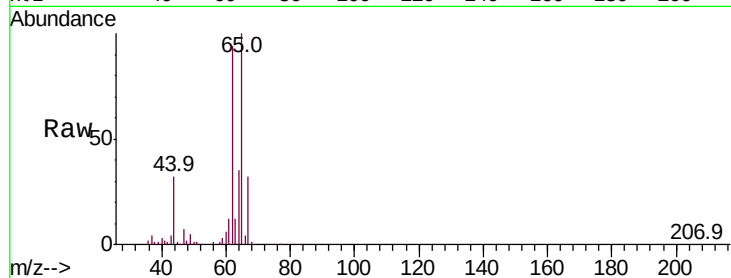
ClientSampleId :

Tot Ion: 62 Resp: 29550

Ion Ratio Lower Upper

62 100

64 36.8 23.1 42.9



#6

Bromomethane

Concen: 10.514 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV012200.D

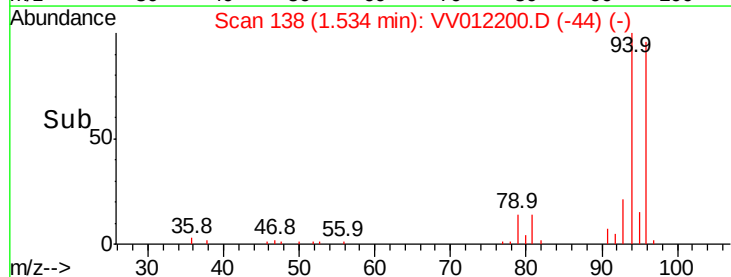
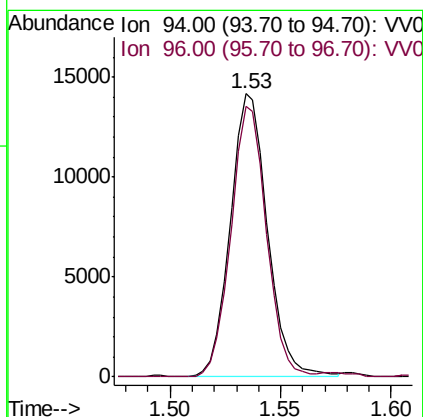
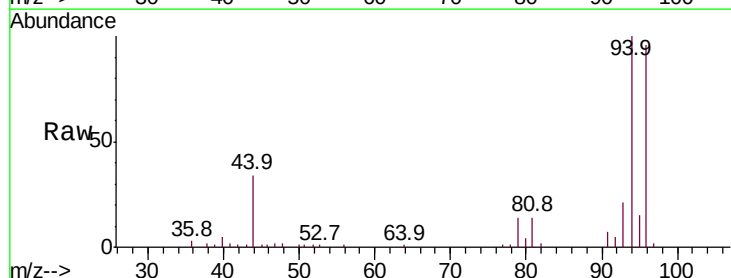
Acq: 12 Aug 2019 11:17

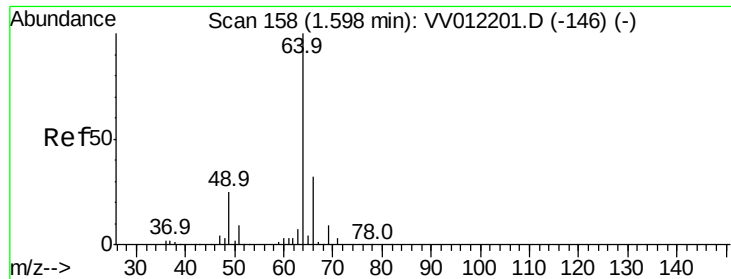
Tgt Ion: 94 Resp: 16627

Ion Ratio Lower Upper

94 100

96 95.7 65.0 120.8





#8

Chloroethane

Concen: 11.688 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV012200.D

Acq: 12 Aug 2019 11:17

Instrument :

MSVOA_V

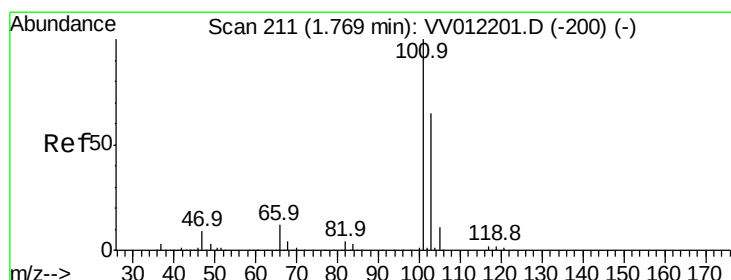
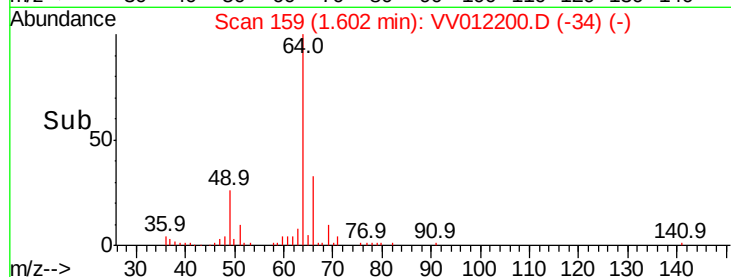
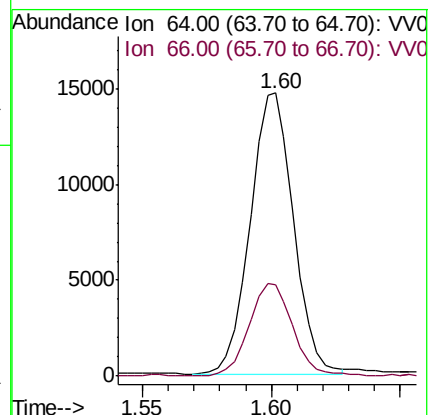
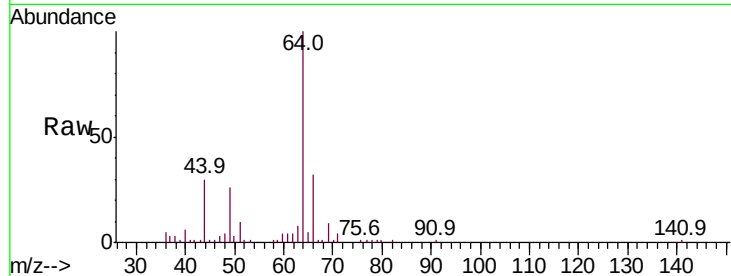
ClientSampleId :

Tot Ion: 64 Resp: 17112

Ion Ratio Lower Upper

64 100

66 32.2 22.3 41.3



#9

Trichlorofluoromethane

Concen: 9.053 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV012200.D

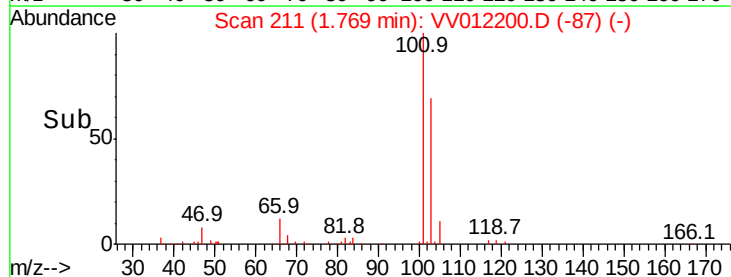
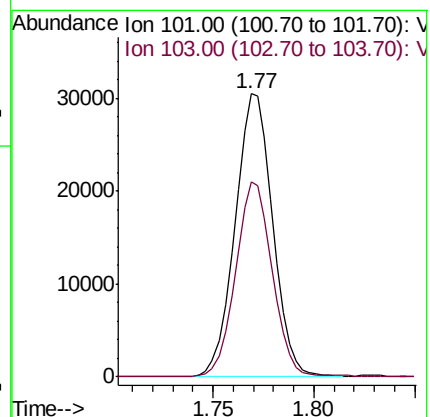
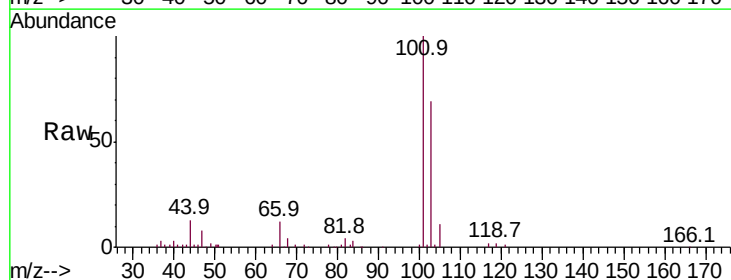
Acq: 12 Aug 2019 11:17

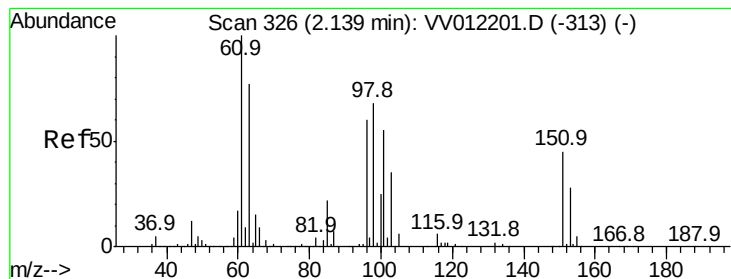
Tgt Ion: 101 Resp: 39839

Ion Ratio Lower Upper

101 100

103 67.0 51.8 77.6





#10

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

Concen: 10.894 ug/L

RT: 2.14 min Scan# 326

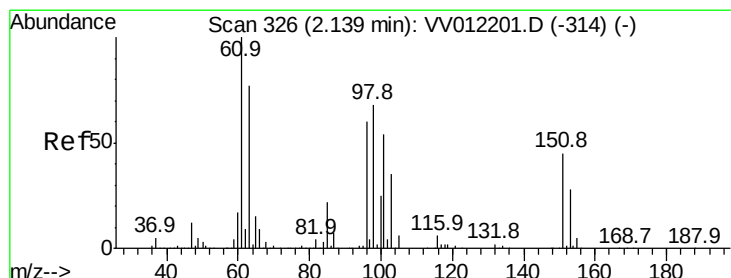
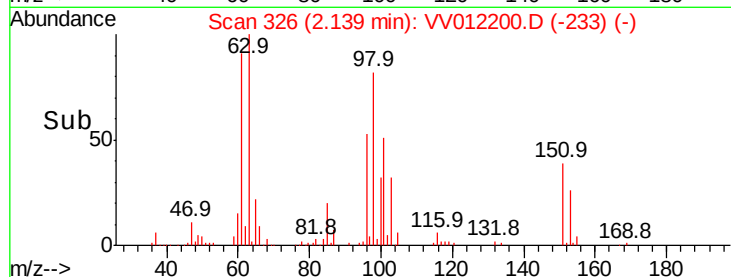
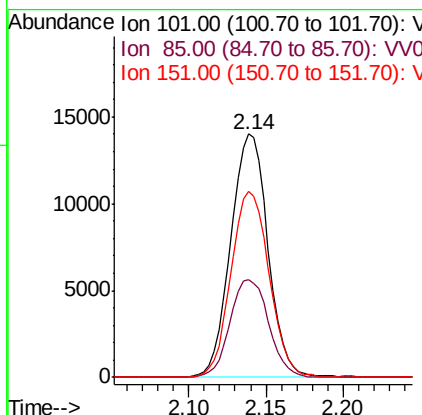
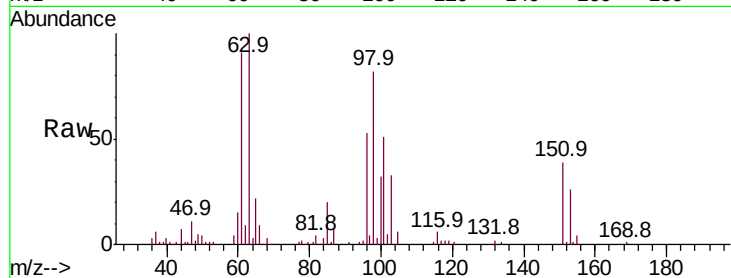
Delta R.T. 0.00 min

Lab File: VV012200.D

Acq: 12 Aug 2019 11:17

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
101	100		
85	41.5	32.8	49.2
151	78.0	65.0	97.6



#12

1,1-Dichloroethene

Concen: 10.758 ug/L

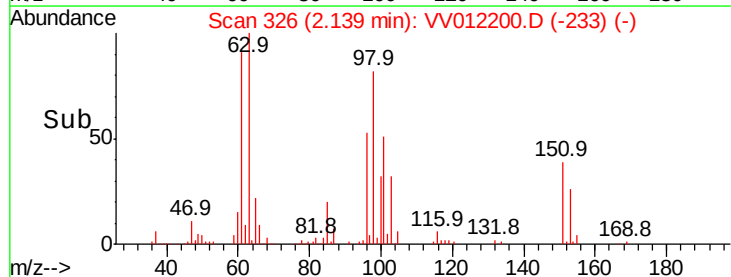
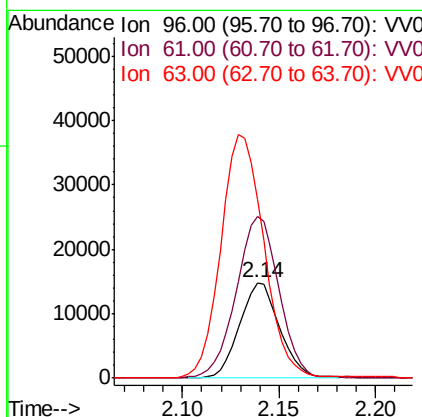
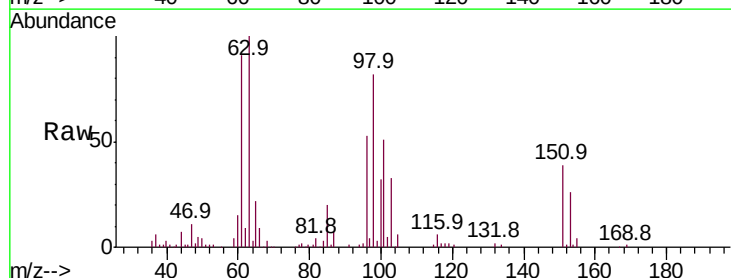
RT: 2.14 min Scan# 326

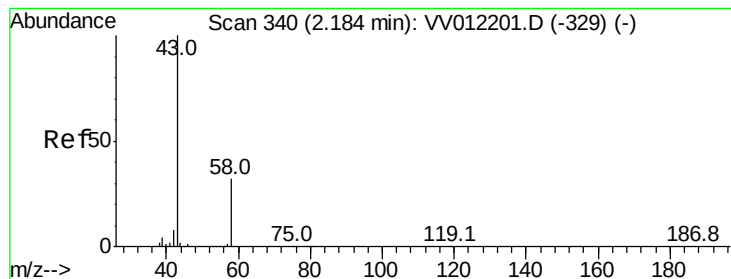
Delta R.T. 0.00 min

Lab File: VV012200.D

Acq: 12 Aug 2019 11:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.1	115.9	215.3
63	187.5	90.0	167.2#





#13

Acetone

Concen: 26.249 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV012200.D

Acq: 12 Aug 2019 11:17

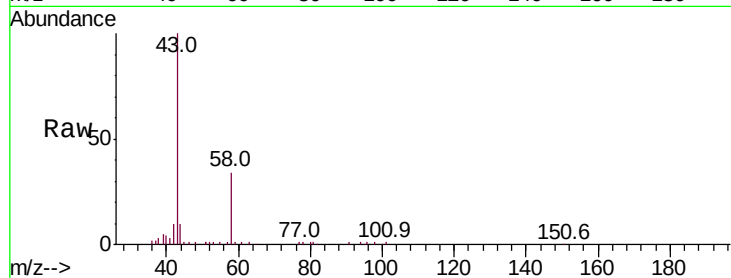
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 34874

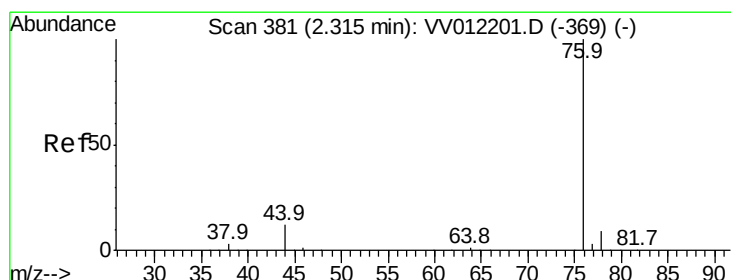
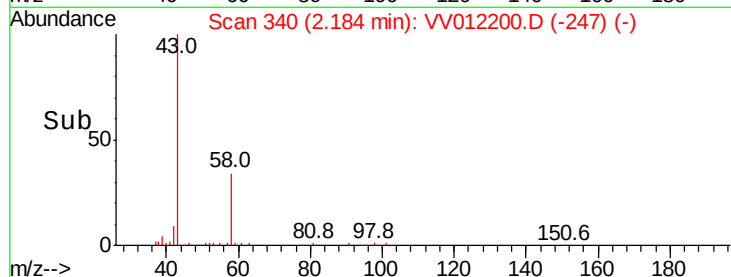
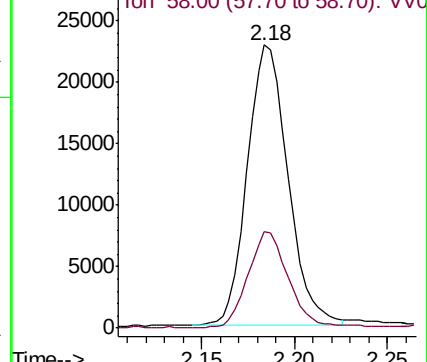
Ion Ratio Lower Upper

43 100

58 34.1 0.0 63.2



Abundance Ion 43.00 (42.70 to 43.70): VV012201.D (-329) (-)



#14

Carbon disulfide

Concen: 9.554 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV012200.D

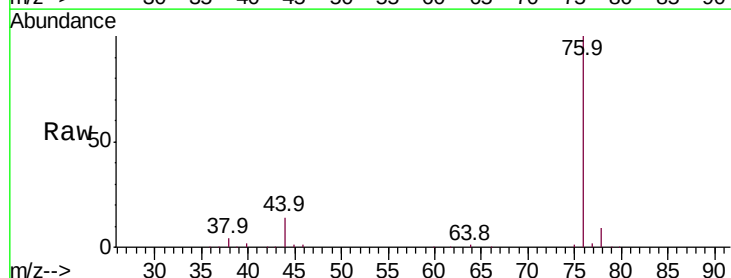
Acq: 12 Aug 2019 11:17

Tgt Ion: 76 Resp: 66367

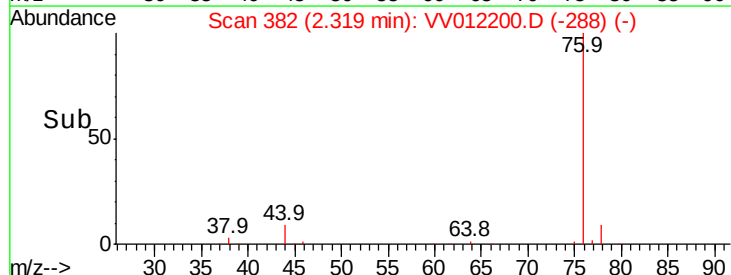
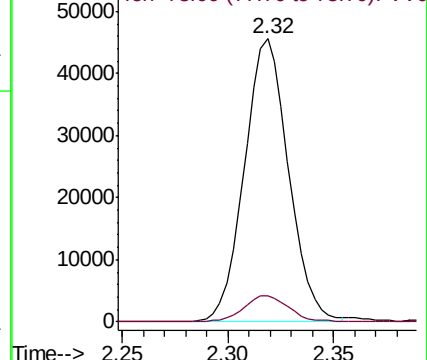
Ion Ratio Lower Upper

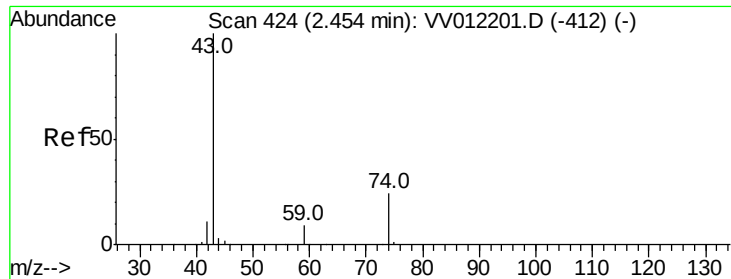
76 100

78 9.1 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV012201.D (-369) (-)

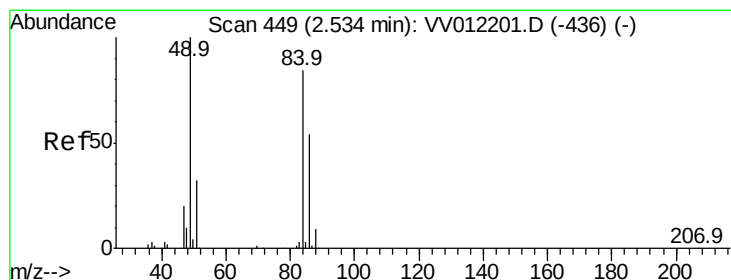
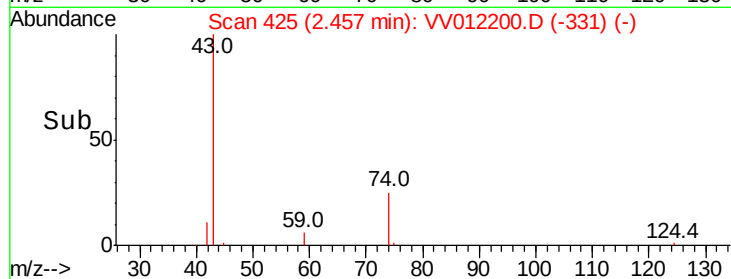
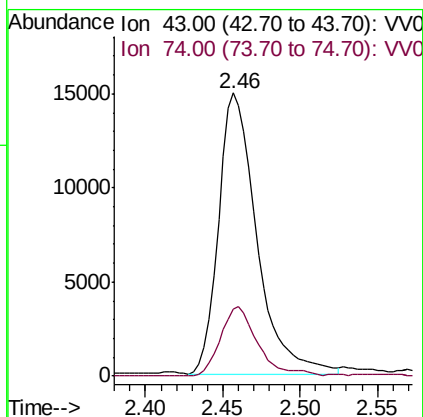
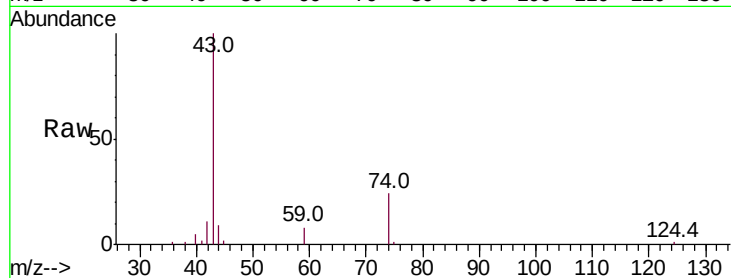




#15
Methvl Acetate
Concen: 9.868 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV012200.D
Acq: 12 Aug 2019 11:17

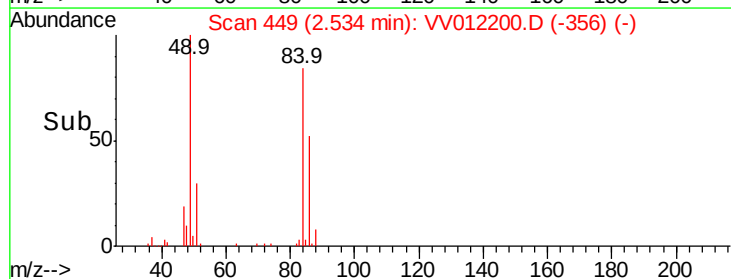
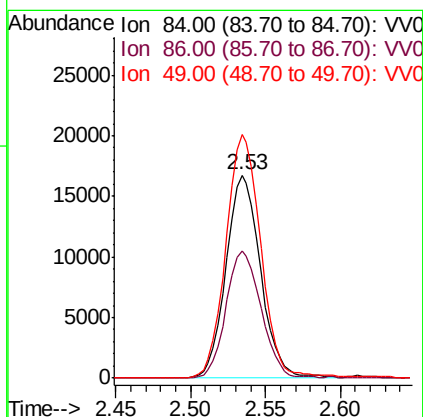
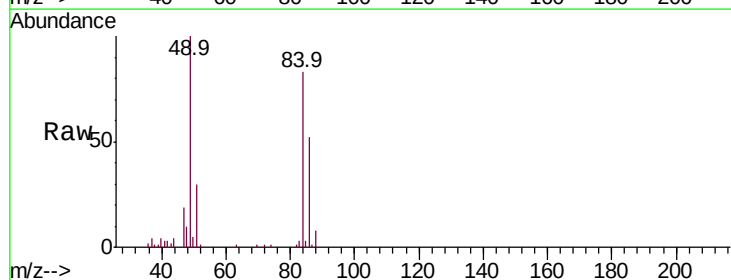
Instrument :
MSVOA_V
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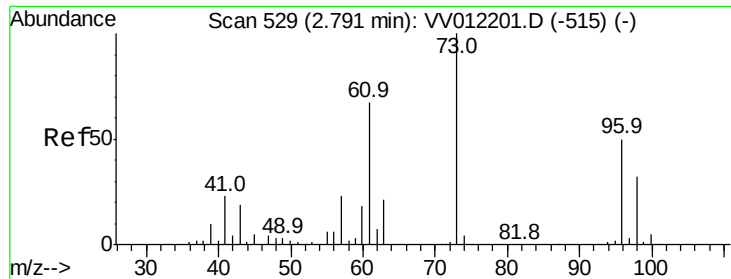
Tot Ion: 43 Resp: 25579
Ion Ratio Lower Upper
43 100
74 23.3 19.4 29.0



#16
Methylene chloride
Concen: 9.317 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV012200.D
Acq: 12 Aug 2019 11:17

Tgt Ion: 84 Resp: 27020
Ion Ratio Lower Upper
84 100
86 62.6 44.9 83.5
49 119.9 83.7 155.5

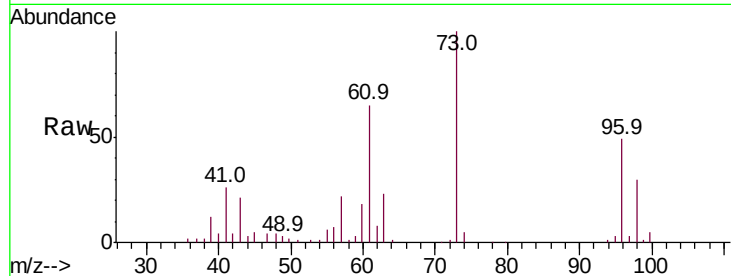




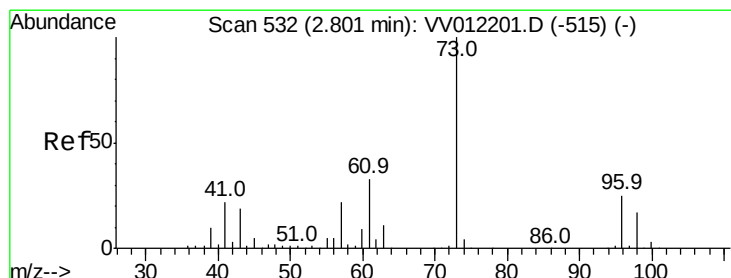
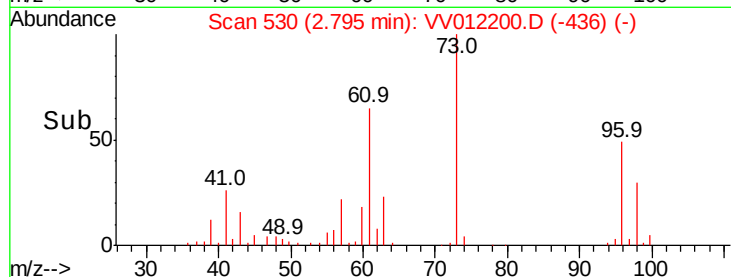
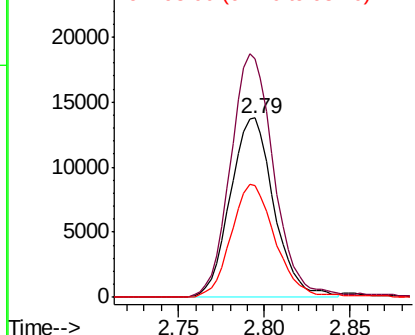
#17
trans-1,2-Dichloroethene
Concen: 8.882 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV012200.D
Acq: 12 Aug 2019 11:17

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 24360
Ion Ratio Lower Upper
96 100
61 133.3 94.8 176.2
98 62.2 44.9 83.5

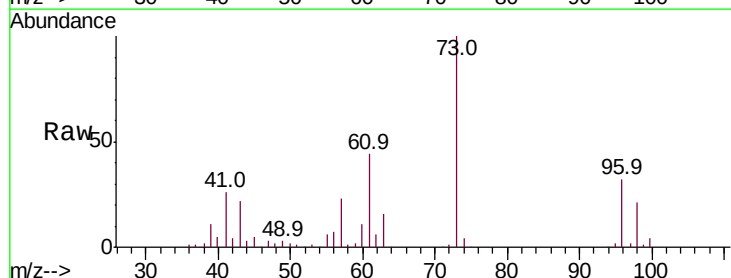


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

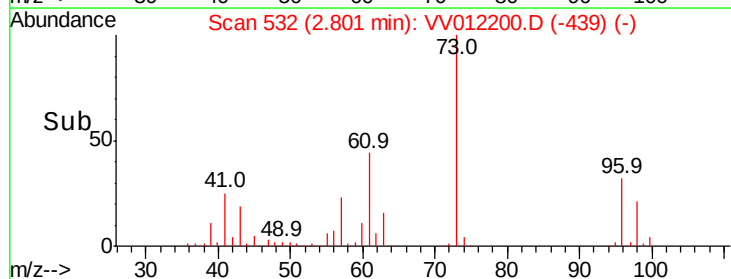
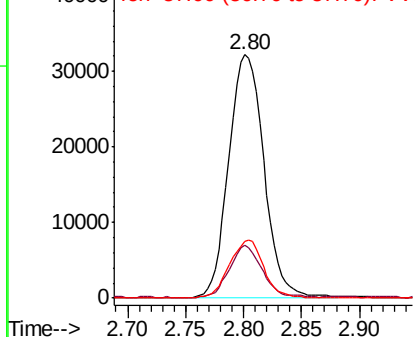


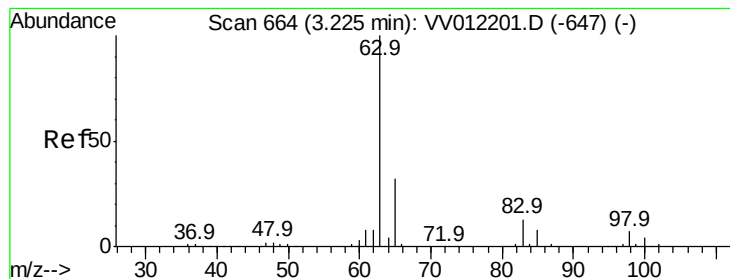
#18
Methyl tert-butyl Ether
Concen: 7.830 ug/L
RT: 2.80 min Scan# 532
Delta R.T. 0.00 min
Lab File: VV012200.D
Acq: 12 Aug 2019 11:17

Tgt Ion: 73 Resp: 68031
Ion Ratio Lower Upper
73 100
43 20.1 15.1 22.7
57 23.0 18.0 27.0



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 9.297 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV012200.D

Acq: 12 Aug 2019 11:17

Instrument :
MSVOA_V
ClientSampleId :

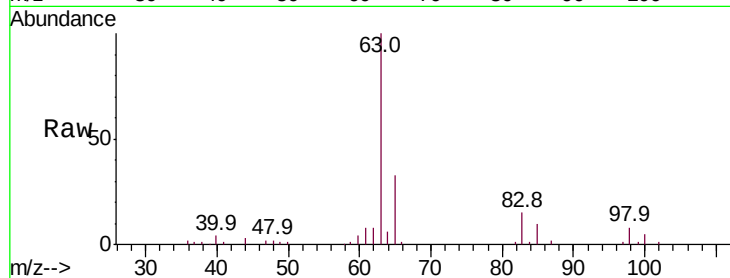
Tot Ion: 63 Resp: 45396

Ion Ratio Lower Upper

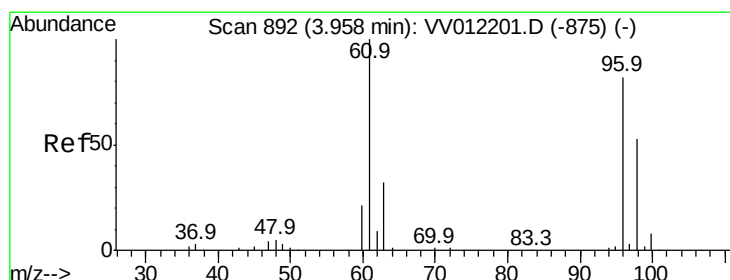
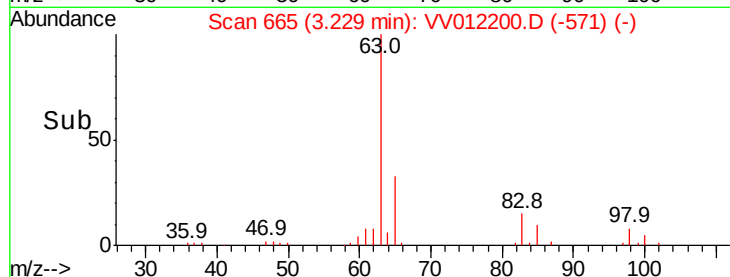
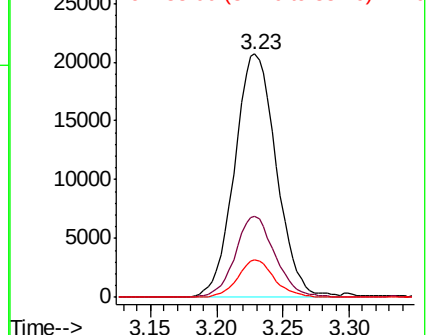
63 100

65 33.2 22.0 41.0

83 15.2 9.2 17.0



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



#20

cis-1,2-Dichloroethene

Concen: 8.659 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV012200.D

Acq: 12 Aug 2019 11:17

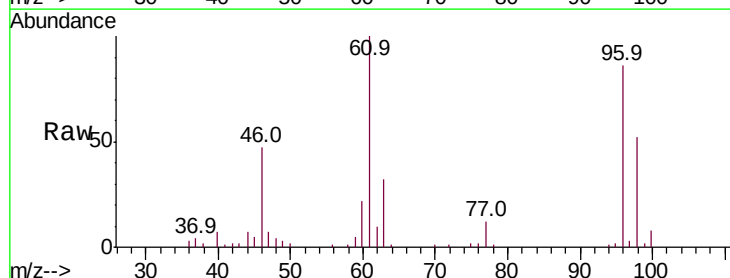
Tgt Ion: 96 Resp: 26853

Ion Ratio Lower Upper

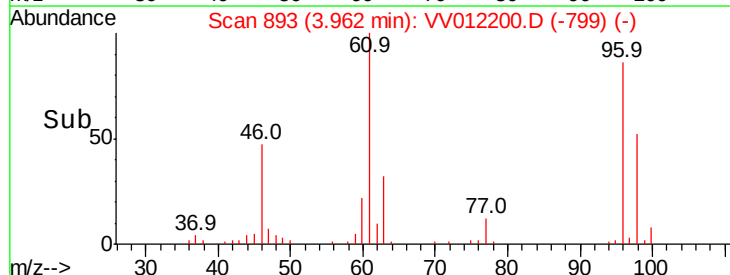
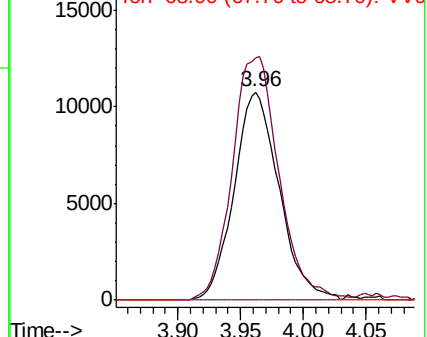
96 100

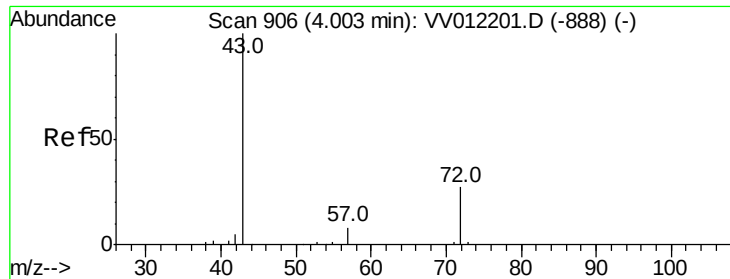
61 116.3 85.8 159.3

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 19.586 ug/L

RT: 4.01 min Scan# 909

Delta R.T. 0.01 min

Lab File: VV012200.D

Acq: 12 Aug 2019 11:17

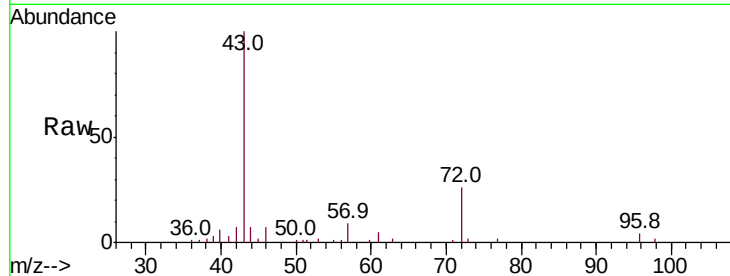
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 37729

Ion Ratio Lower Upper

43 100

72 24.7 13.5 40.4



Abundance Ion 43.00 (42.70 to 43.70): VV012200.D (-909) (-)

Ion 72.00 (71.70 to 72.70): VV012200.D (-909) (-)

4.01

15000

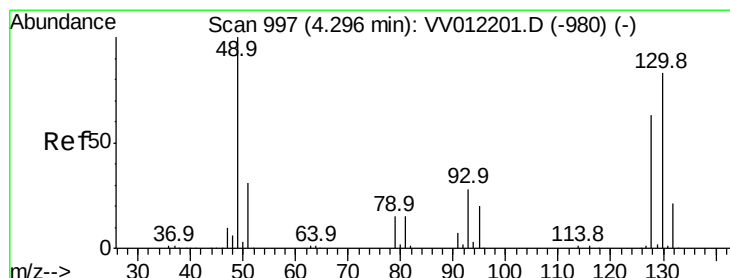
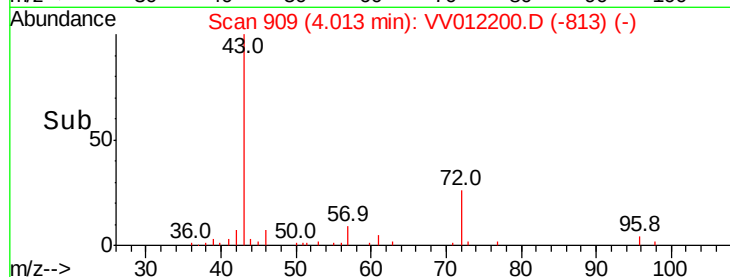
10000

5000

0

Time-->

3.90 4.00 4.10



#23

Bromochloromethane

Concen: 8.204 ug/L

RT: 4.30 min Scan# 998

Delta R.T. 0.00 min

Lab File: VV012200.D

Acq: 12 Aug 2019 11:17

Tgt Ion: 128 Resp: 13757

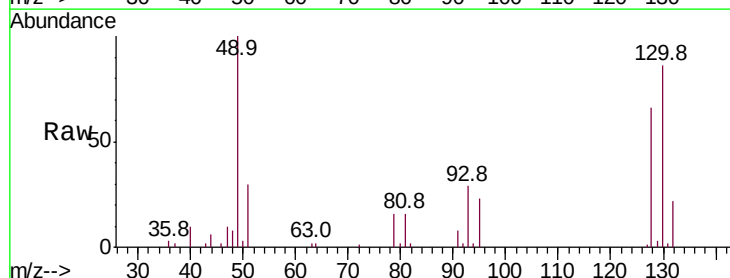
Ion Ratio Lower Upper

128 100

49 150.7 111.0 206.2

130 130.3 91.3 169.6

51 45.1 39.8 59.6



Abundance Ion 128.00 (127.70 to 128.70): VV012200.D (-904) (-)

Ion 49.00 (48.70 to 49.70): VV012200.D (-904) (-)

Ion 130.00 (129.70 to 130.70): VV012200.D (-904) (-)

Ion 51.00 (50.70 to 51.70): VV012200.D (-904) (-)

4.30

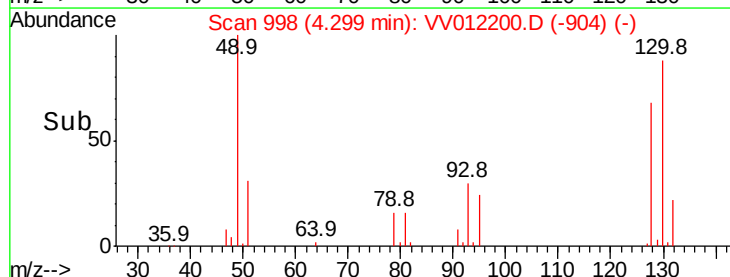
10000

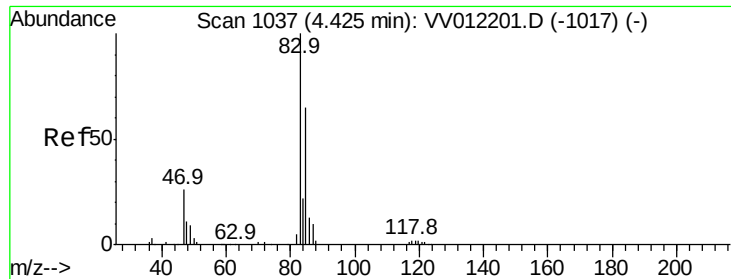
5000

0

Time-->

4.25 4.30 4.35

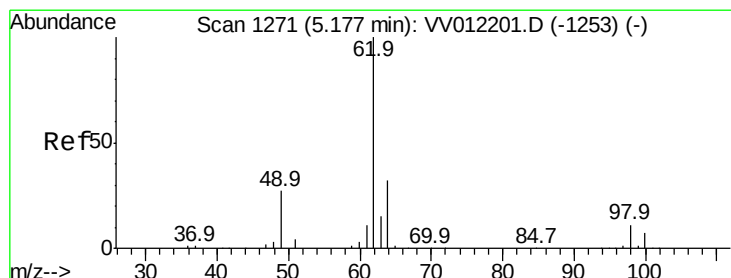
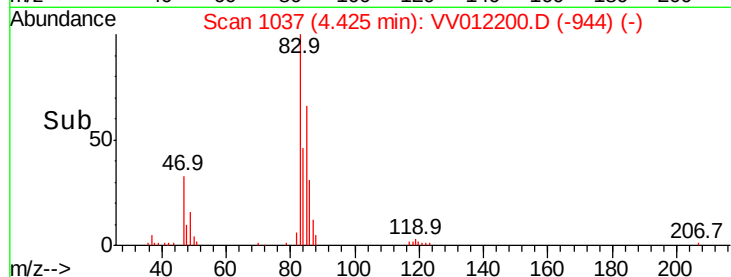
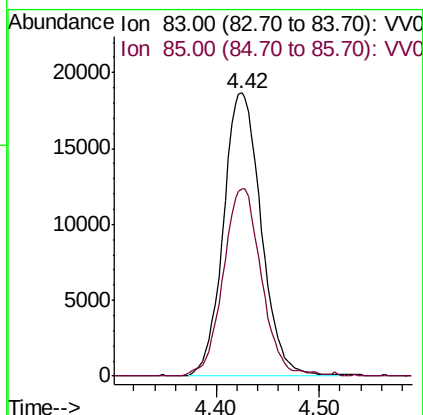
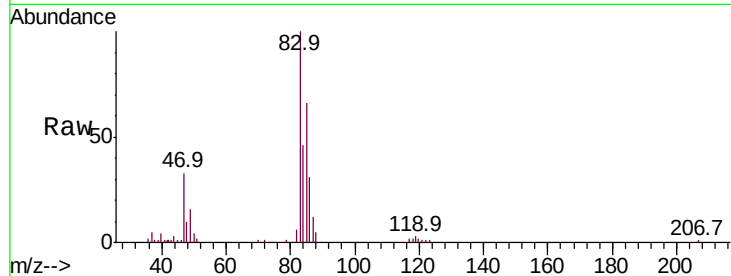




#25
Chloroform
Concen: 8.812 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012200.D
Acq: 12 Aug 2019 11:17

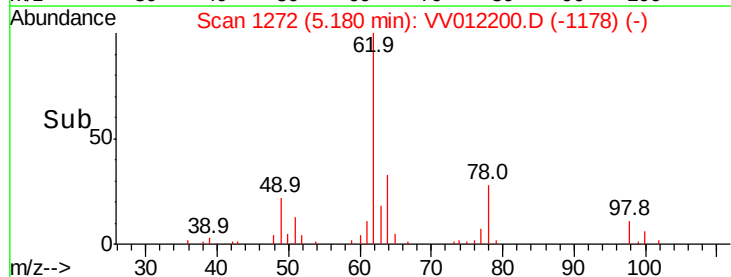
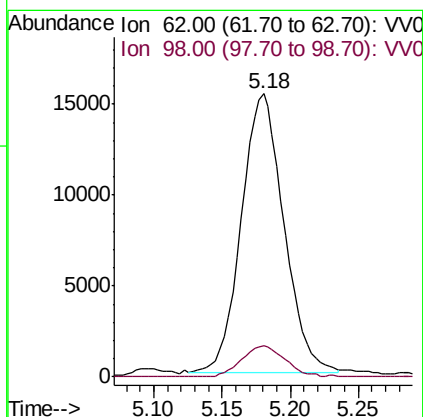
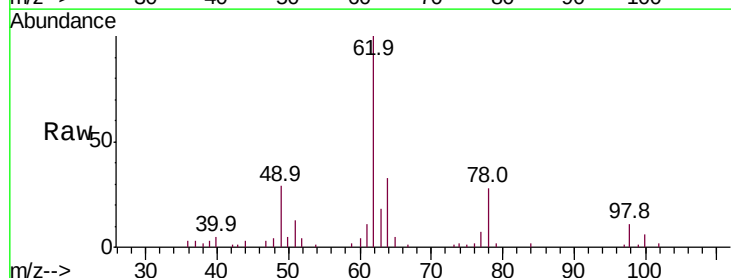
Instrument :
MSVOA_V
ClientSampleId :

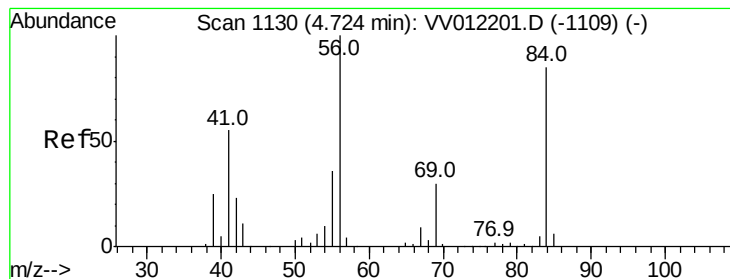
Tot Ion: 83 Resp: 47572
Ion Ratio Lower Upper
83 100
85 66.0 45.4 84.2



#27
1,2-Dichloroethane
Concen: 7.941 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV012200.D
Acq: 12 Aug 2019 11:17

Tgt Ion: 62 Resp: 33330
Ion Ratio Lower Upper
62 100
98 11.0 8.4 12.6





#29

Cyclohexane

Concen: 8.587 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV012200.D

Acq: 12 Aug 2019 11:17

Instrument :
MSVOA_V
ClientSampled :

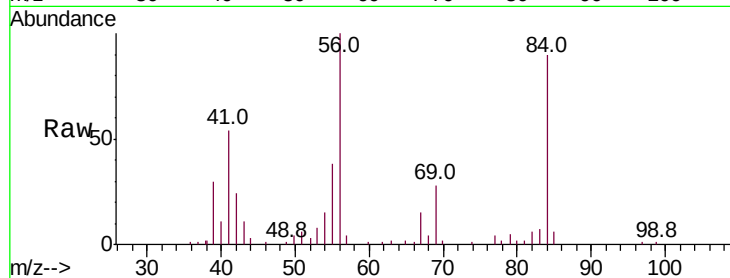
Tot Ion: 56 Resp: 36052

Ion Ratio Lower Upper

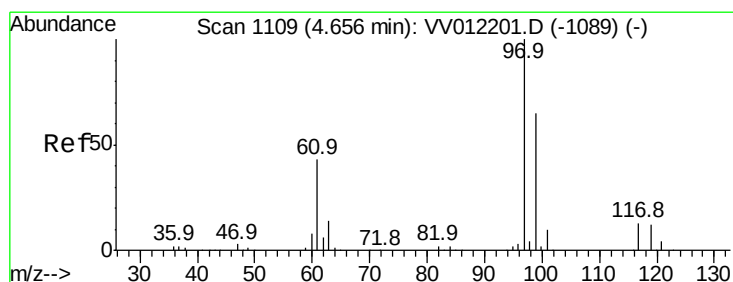
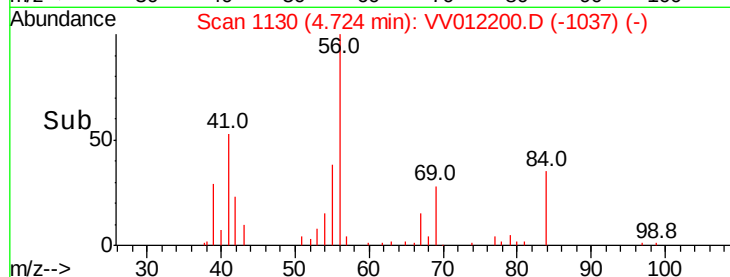
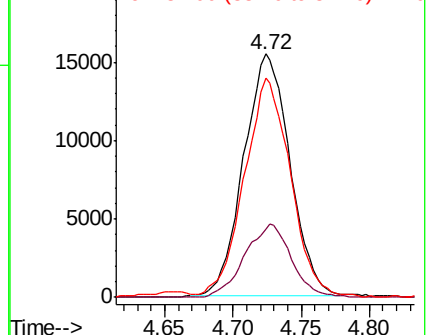
56 100

69 30.5 24.1 36.1

84 88.4 70.3 105.5



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



#30

1,1,1-Trichloroethane

Concen: 8.071 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV012200.D

Acq: 12 Aug 2019 11:17

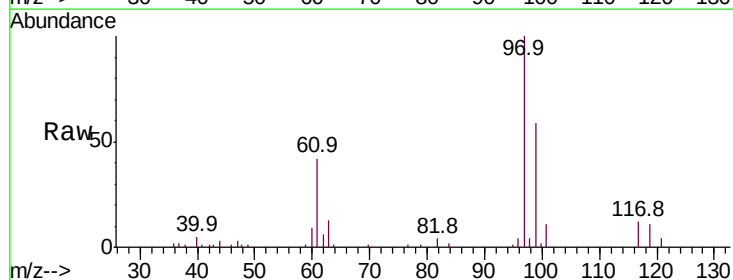
Tgt Ion: 97 Resp: 39864

Ion Ratio Lower Upper

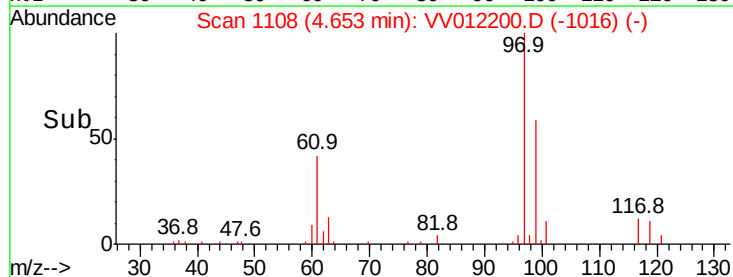
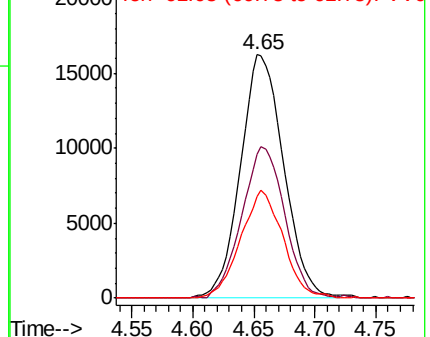
97 100

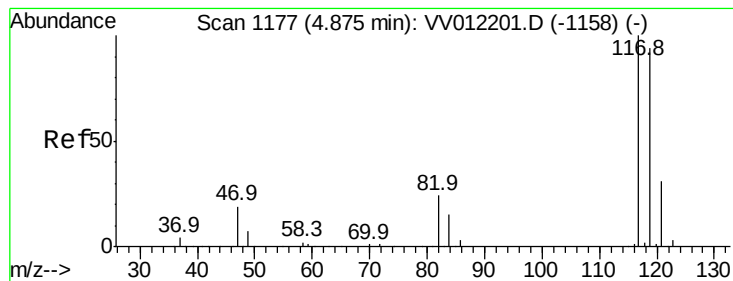
99 61.6 51.4 77.2

61 43.1 34.4 51.6



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 7.730 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV012200.D

Acq: 12 Aug 2019 11:17

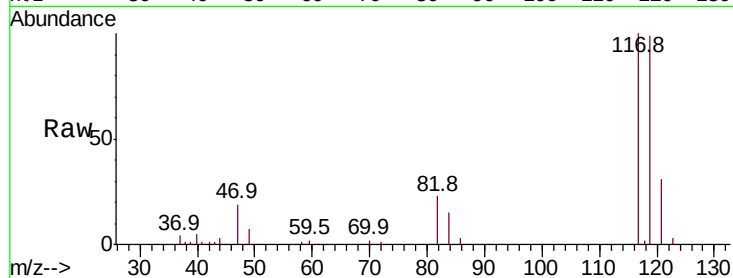
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 35435

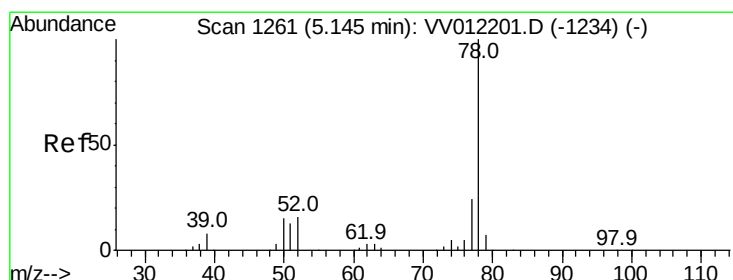
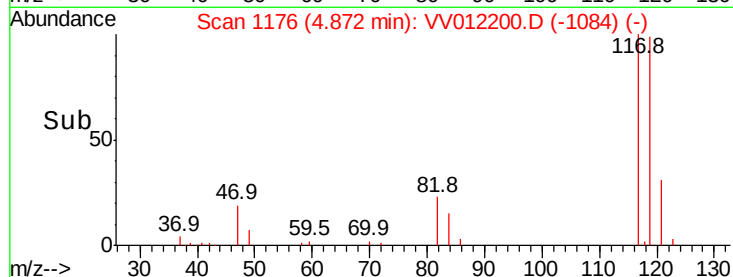
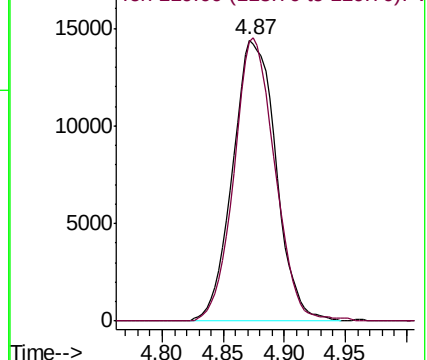
Ion Ratio Lower Upper

117 100

119 94.4 77.1 115.7



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



#33

Benzene

Concen: 9.036 ug/L

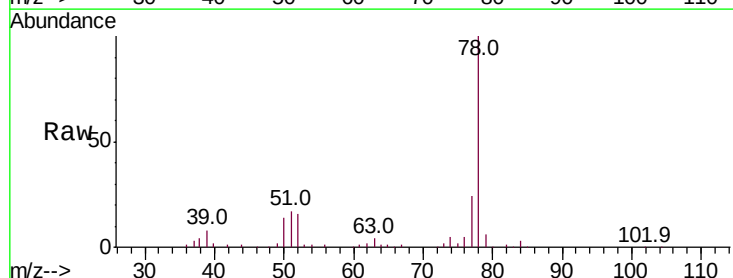
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

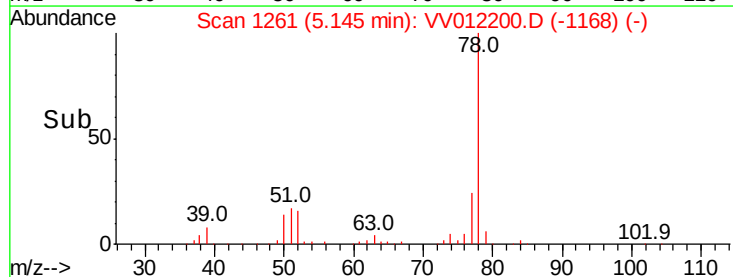
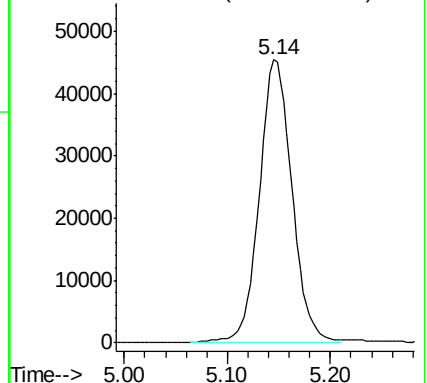
Lab File: VV012200.D

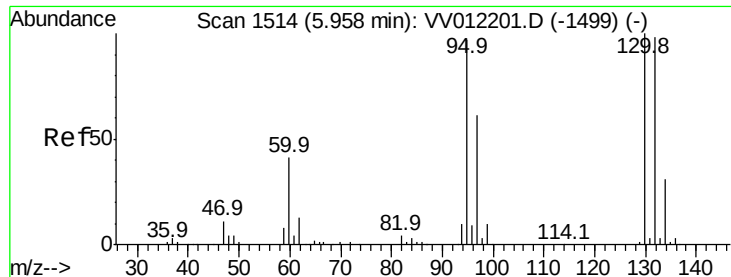
Acq: 12 Aug 2019 11:17

Tgt Ion: 78 Resp: 100145



Abundance Ion 78.00 (77.70 to 78.70): VV0

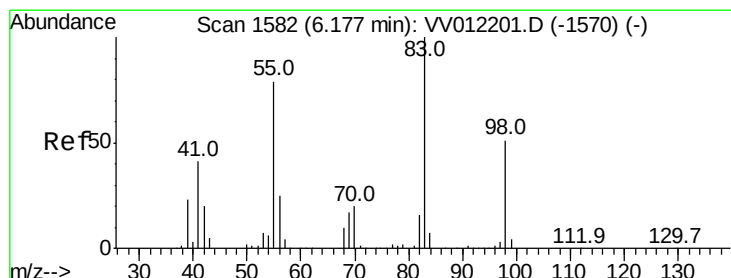
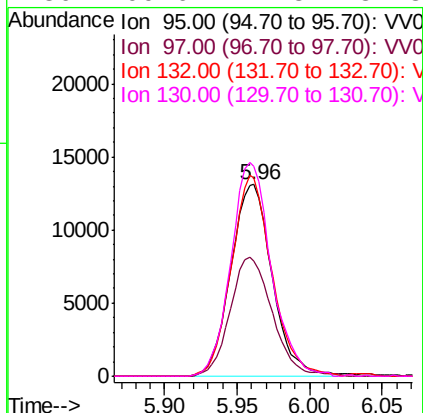
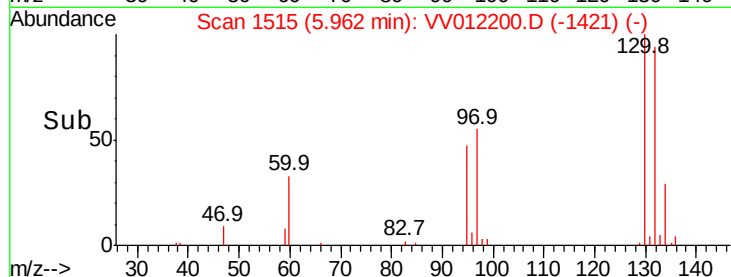
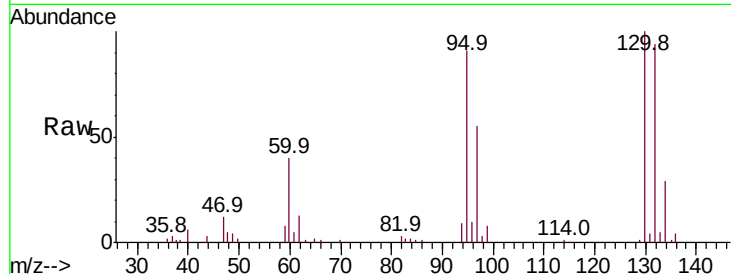




#34
 Trichloroethene
 Concen: 8.720 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV012200.D
 Acq: 12 Aug 2019 11:17

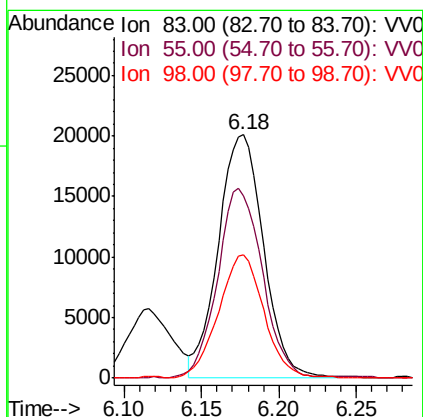
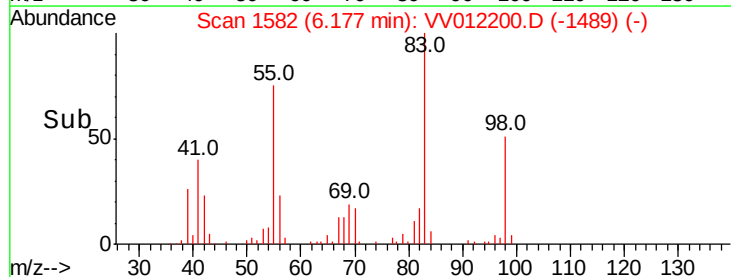
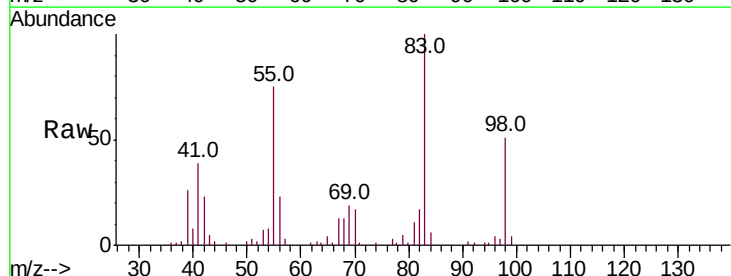
Instrument :
 MSVOA_V
 ClientSampled :

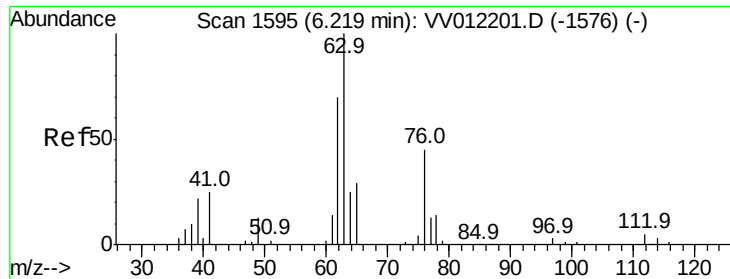
Tot Ion:	95	Resp:	26002
Ion	Ratio	Lower	Upper
95	100		
97	60.1	44.3	82.3
132	103.6	70.7	131.3
130	109.6	72.3	134.3



#35
 Methylcyclohexane
 Concen: 8.571 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV012200.D
 Acq: 12 Aug 2019 11:17

Tgt Ion:	83	Resp:	40852
Ion	Ratio	Lower	Upper
83	100		
55	77.5	60.7	91.1
98	50.8	40.1	60.1

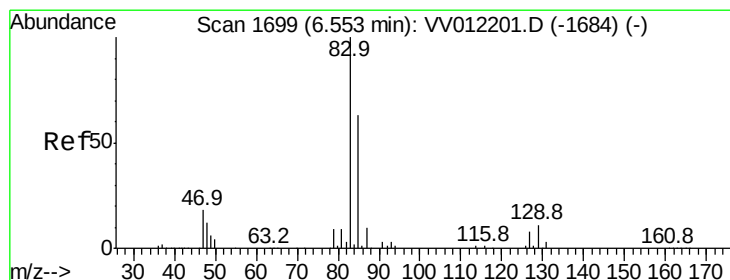
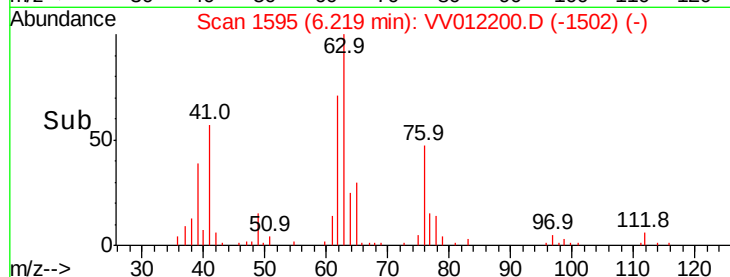
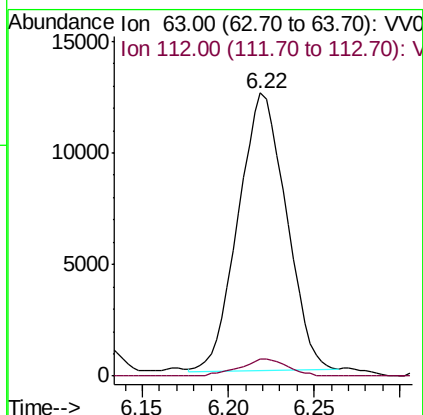
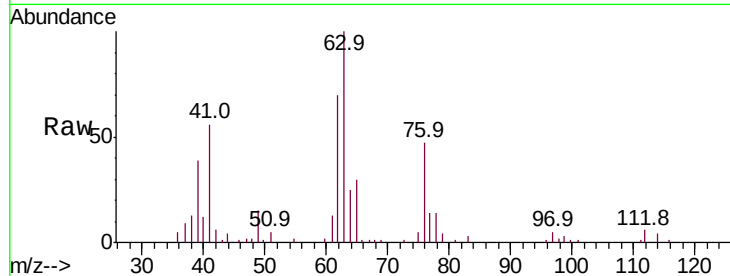




#37
 1,2-Dichloropropane
 Concen: 8.935 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV012200.D
 Acq: 12 Aug 2019 11:17

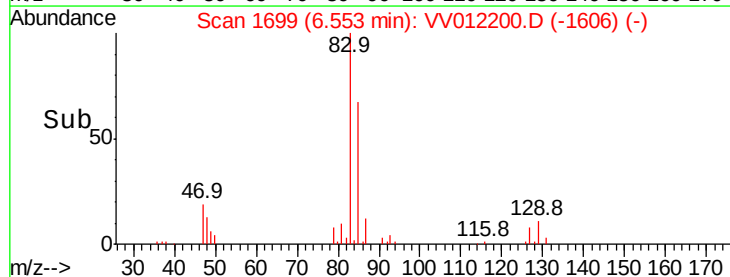
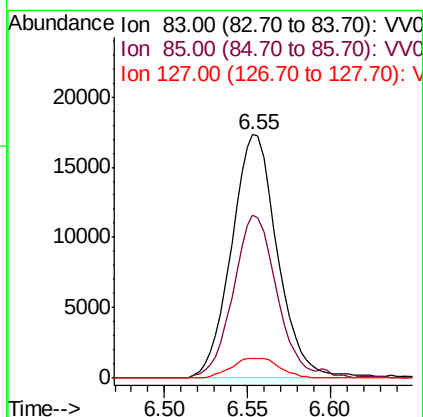
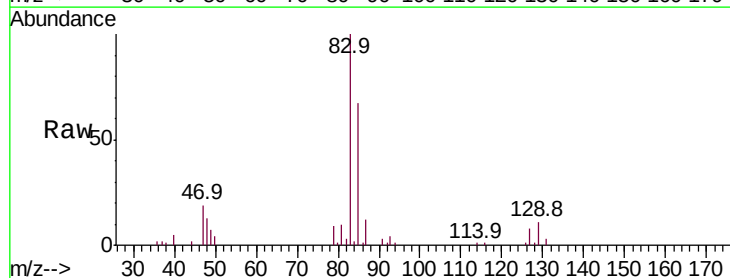
Instrument :
 MSVOA_V
 ClientSampleId :

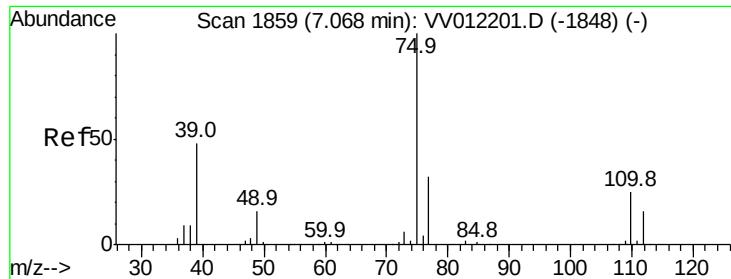
Tot Ion: 63 Resp: 24030
 Ion Ratio Lower Upper
 63 100
 112 6.1 4.0 6.0#



#38
 Bromodichloromethane
 Concen: 8.154 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV012200.D
 Acq: 12 Aug 2019 11:17

Tgt Ion: 83 Resp: 33148
 Ion Ratio Lower Upper
 83 100
 85 66.9 44.2 82.0
 127 8.3 6.7 10.1



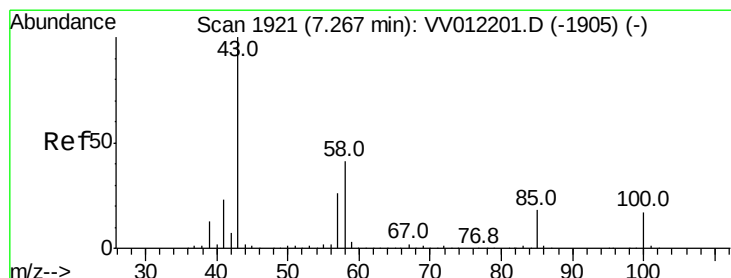
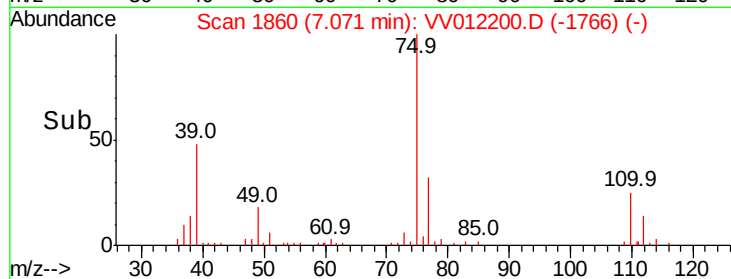
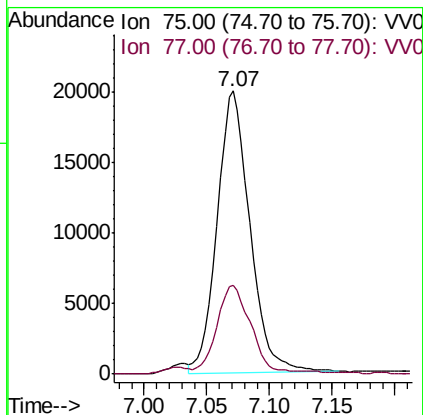
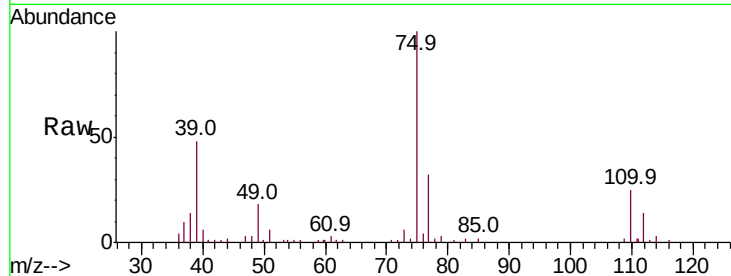


#39

cis-1,3-Dichloropropene
Concen: 7.953 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV012200.D
Acq: 12 Aug 2019 11:17

Instrument :
MSVOA_V
ClientSampled :

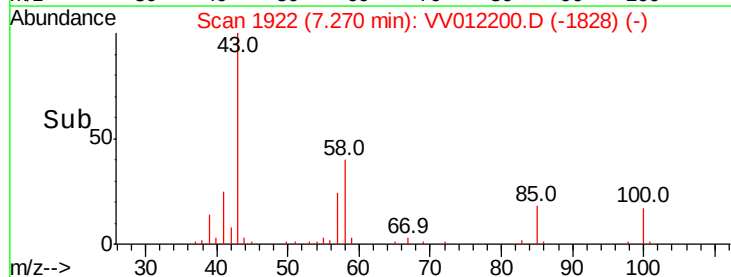
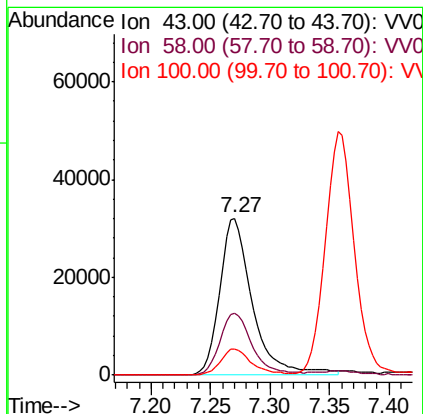
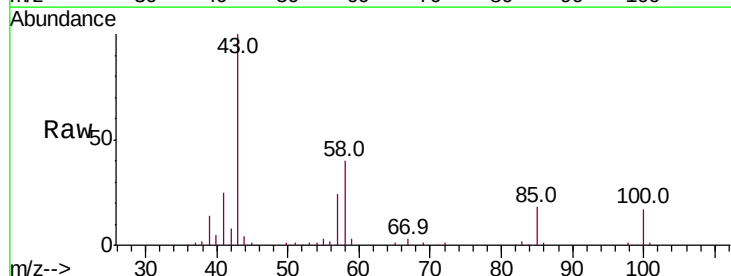
Tot Ion: 75 Resp: 36089
Ion Ratio Lower Upper
75 100
77 31.6 22.6 42.0

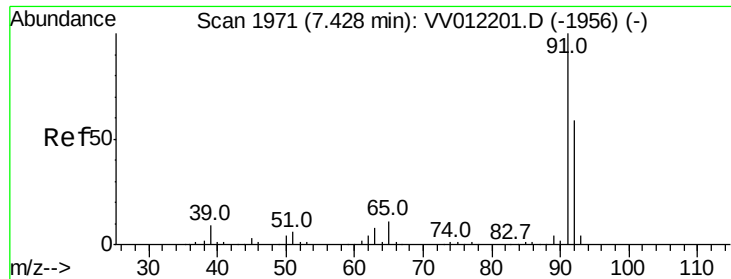


#40

4-Methyl-2-pentanone
Concen: 17.531 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VV012200.D
Acq: 12 Aug 2019 11:17

Tgt Ion: 43 Resp: 61257
Ion Ratio Lower Upper
43 100
58 39.0 32.3 48.5
100 15.9 13.2 19.8





#42

Toluene

Concen: 8.231 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012200.D

Acq: 12 Aug 2019 11:17

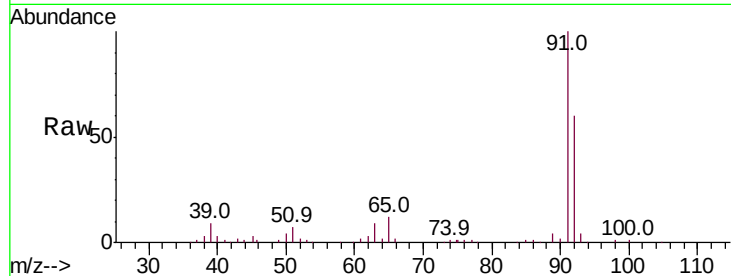
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 100382

Ion Ratio Lower Upper

91 100

92 59.6 41.4 76.8



Abundance Ion 91.00 (90.70 to 91.70): VV012201.D (-1956) (-)

Ion 92.00 (91.70 to 92.70): VV012201.D (-1956) (-)

7.43

60000

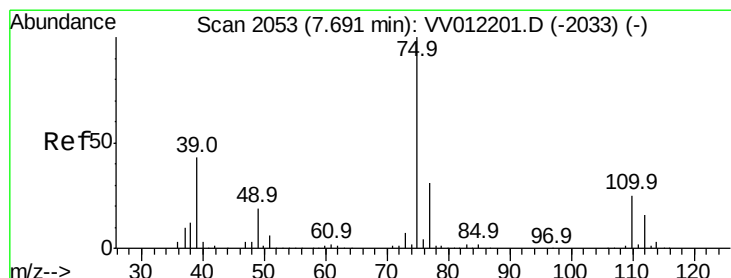
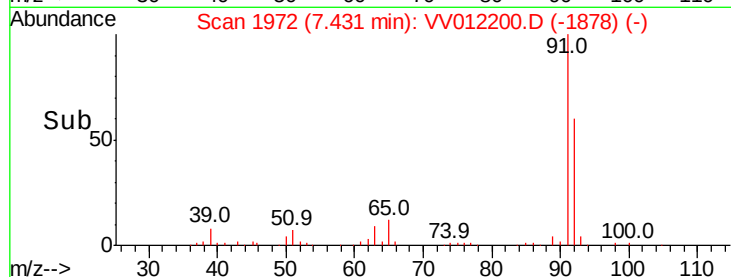
40000

20000

0

7.35 7.40 7.45 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 7.940 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV012200.D

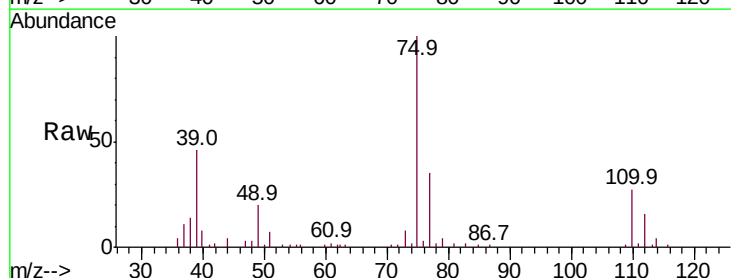
Acq: 12 Aug 2019 11:17

Tgt Ion: 75 Resp: 32696

Ion Ratio Lower Upper

75 100

77 35.0 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV012201.D (-2033) (-)

Ion 77.00 (76.70 to 77.70): VV012201.D (-2033) (-)

7.69

20000

15000

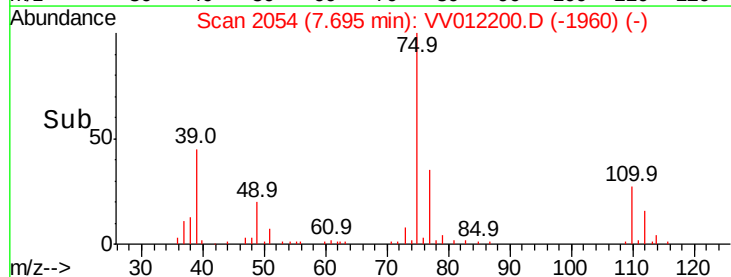
10000

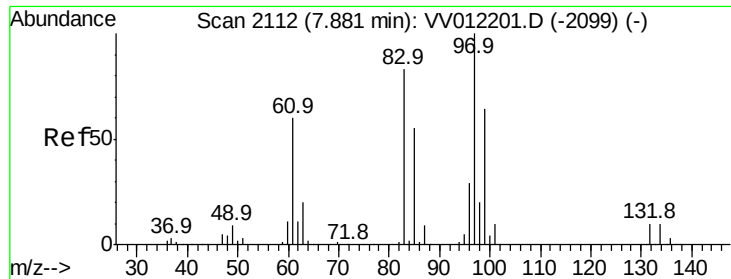
5000

0

7.60 7.65 7.70 7.75

Time-->

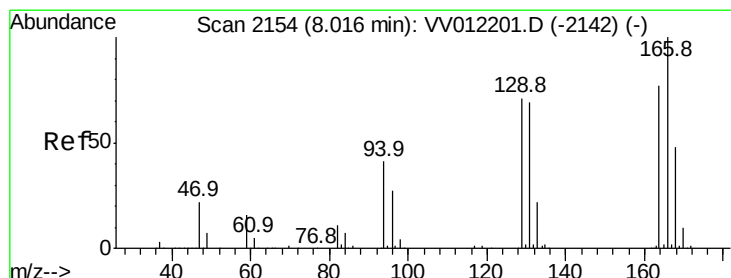
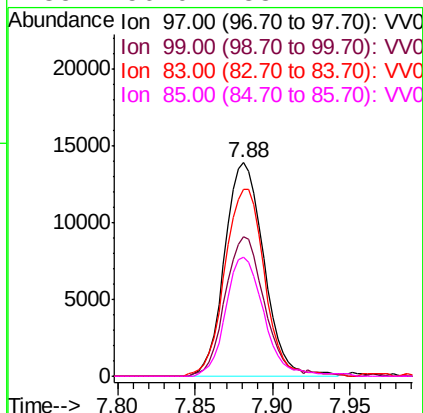
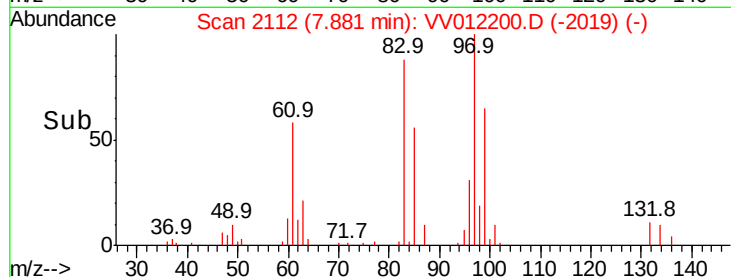
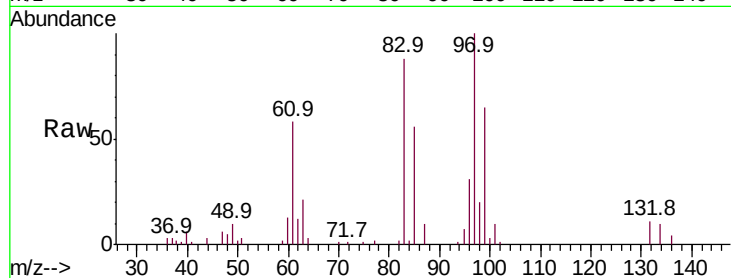




#45
 1,1,2-Trichloroethane
 Concen: 8.441 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV012200.D
 Acq: 12 Aug 2019 11:17

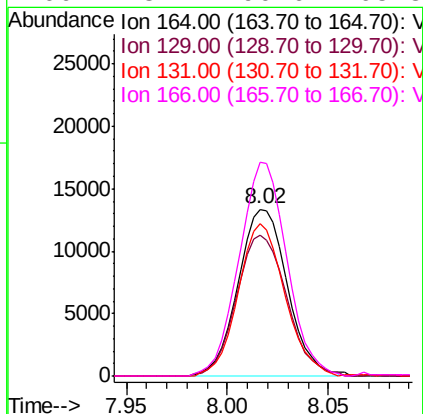
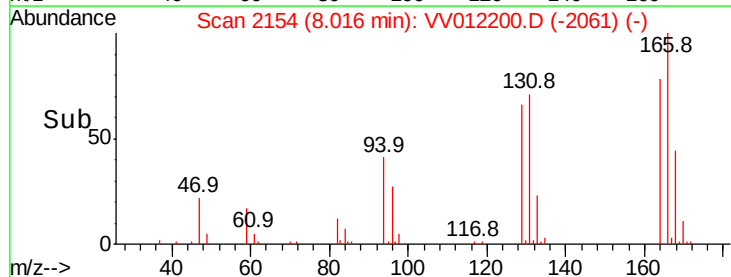
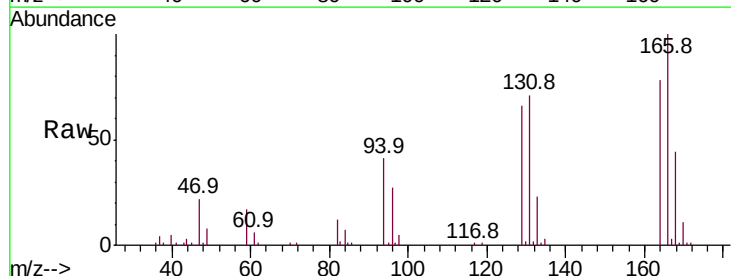
Instrument :
 MSVOA_V
 ClientSampleId :

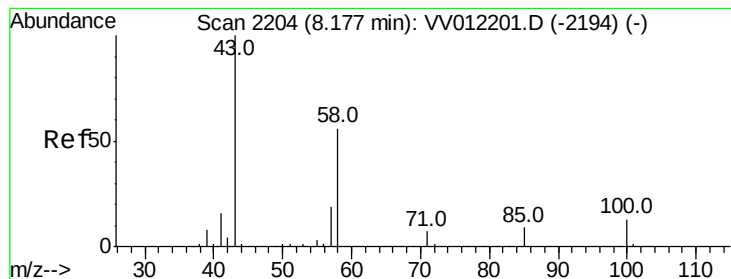
Tot Ion:	97	Resp:	24517
Ion	Ratio	Lower	Upper
97	100		
99	65.4	44.5	82.7
83	87.7	57.8	107.4
85	56.0	38.4	71.4



#46
 Tetrachloroethene
 Concen: 8.133 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV012200.D
 Acq: 12 Aug 2019 11:17

Tgt Ion:	164	Resp:	22843
Ion	Ratio	Lower	Upper
164	100		
129	84.3	64.1	119.1
131	91.1	62.4	115.8
166	128.2	90.6	168.3





#48

2-Hexanone

Concen: 17.527 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. 0.01 min

Lab File: VV012200.D

Acq: 12 Aug 2019 11:17

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 47146

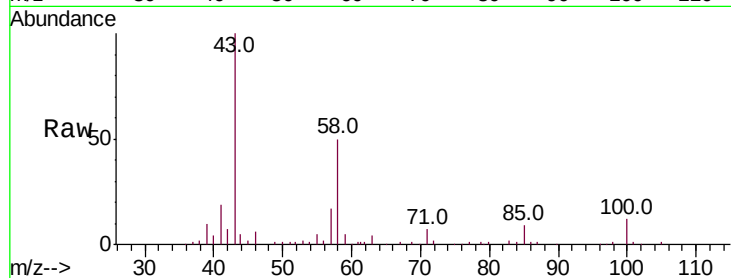
Ion Ratio Lower Upper

43 100

58 52.5 43.5 65.3

57 17.5 15.1 22.7

100 13.2 10.4 15.6

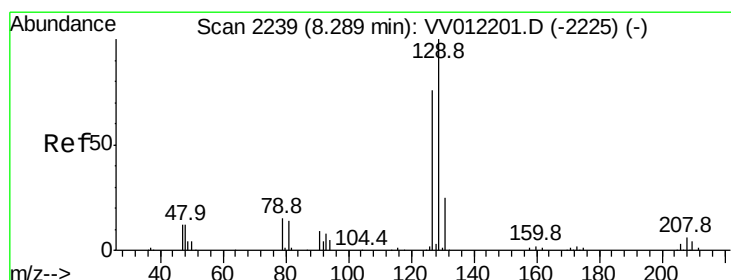
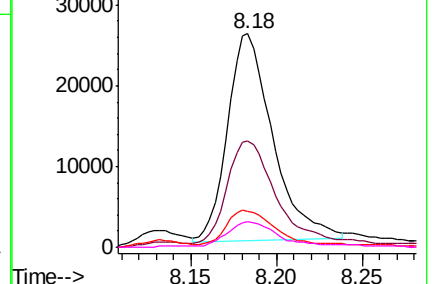
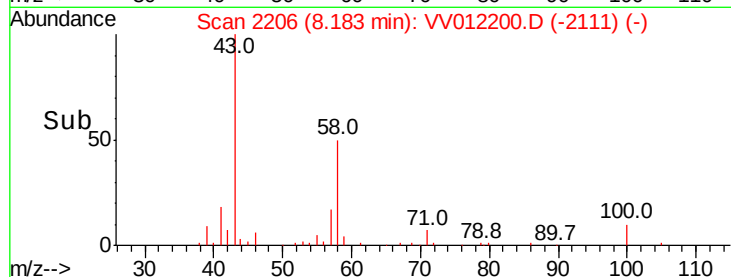


Abundance Ion 43.00 (42.70 to 43.70): VV012200.D (-2194) (-)

Ion 58.00 (57.70 to 58.70): VV012200.D (-2194) (-)

Ion 57.00 (56.70 to 57.70): VV012200.D (-2194) (-)

Ion 100.00 (99.70 to 100.70): VV012200.D (-2194) (-)



#49

Dibromochloromethane

Concen: 7.446 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VV012200.D

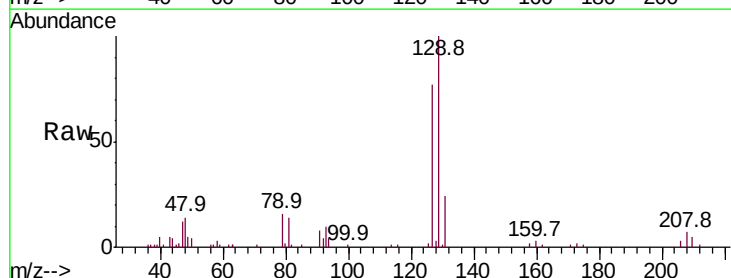
Acq: 12 Aug 2019 11:17

Tgt Ion: 129 Resp: 26860

Ion Ratio Lower Upper

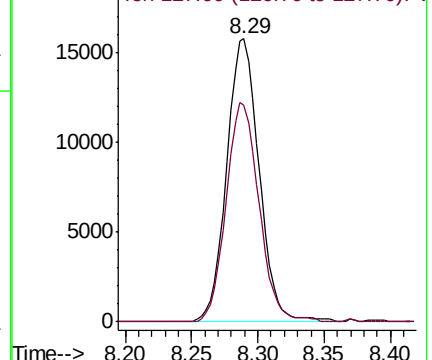
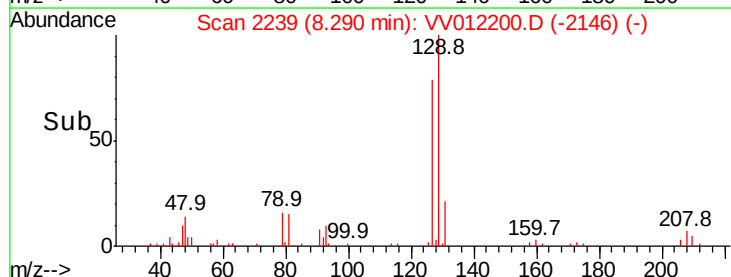
129 100

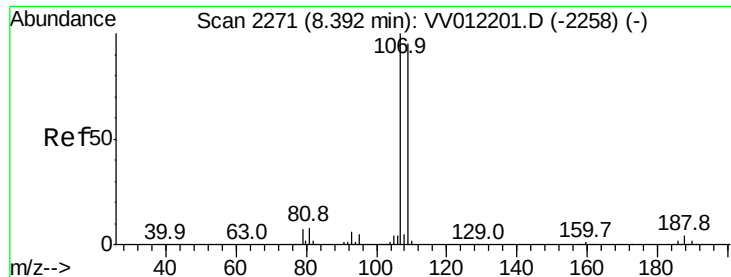
127 79.4 53.3 98.9



Abundance Ion 129.00 (128.70 to 129.70): VV012200.D (-2146) (-)

Ion 127.00 (126.70 to 127.70): VV012200.D (-2146) (-)

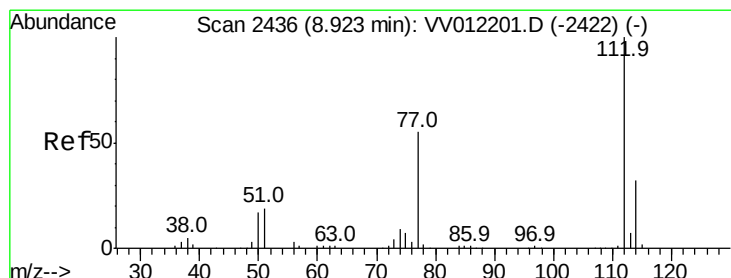
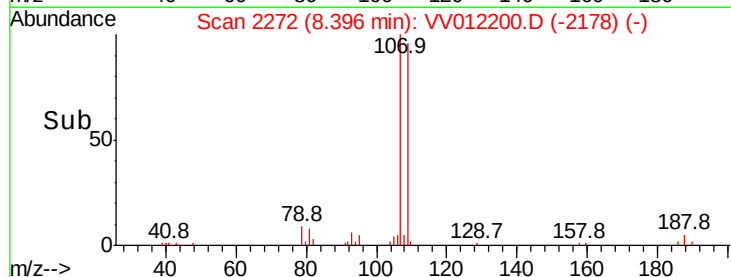
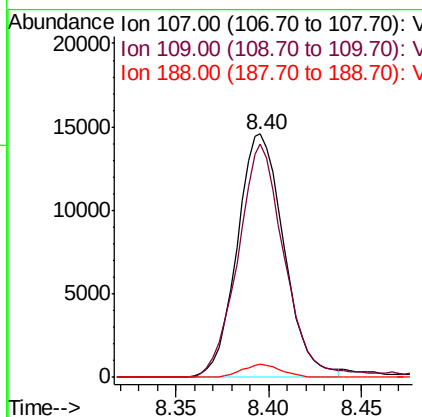
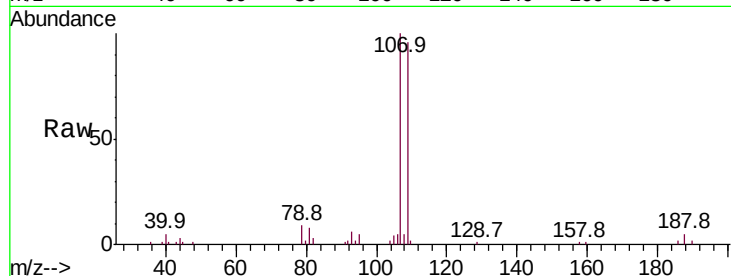




#50
1,2-Dibromoethane
Concen: 8.075 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV012200.D
Acq: 12 Aug 2019 11:17

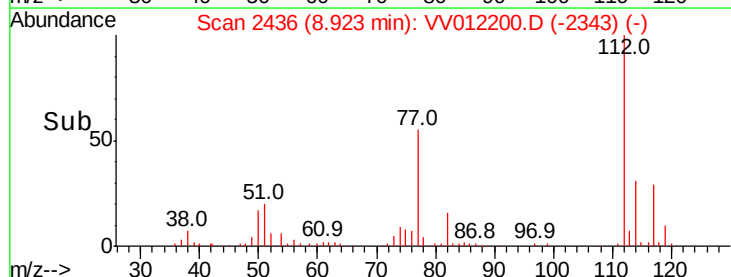
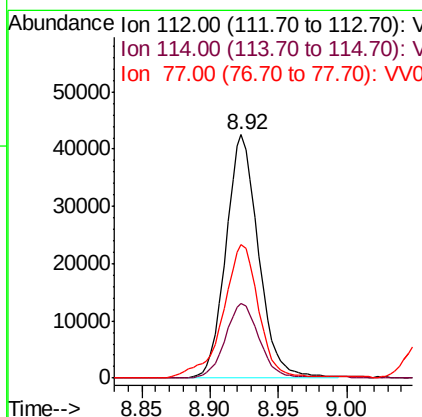
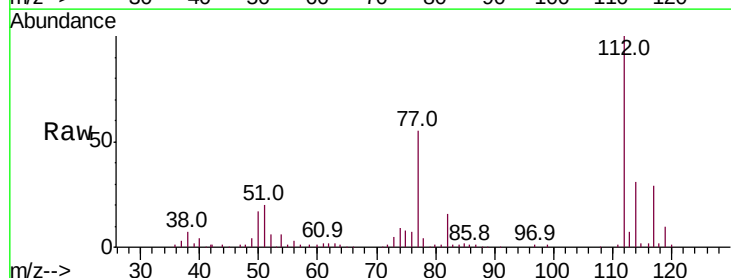
Instrument :
MSVOA_V
ClientSampleId :

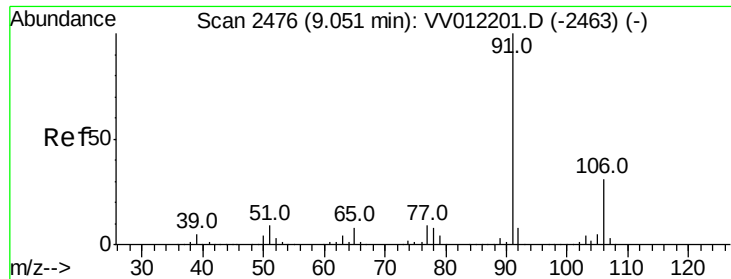
Tot Ion:107 Resp: 25569
Ion Ratio Lower Upper
107 100
109 96.0 66.4 123.4
188 5.2 3.0 4.6#



#51
Chlorobenzene
Concen: 8.559 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV012200.D
Acq: 12 Aug 2019 11:17

Tgt Ion:112 Resp: 70664
Ion Ratio Lower Upper
112 100
114 30.8 22.5 41.9
77 54.9 44.4 66.6





#52

Ethylbenzene

Concen: 8.000 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012200.D

Acq: 12 Aug 2019 11:17

Instrument :

MSVOA_V

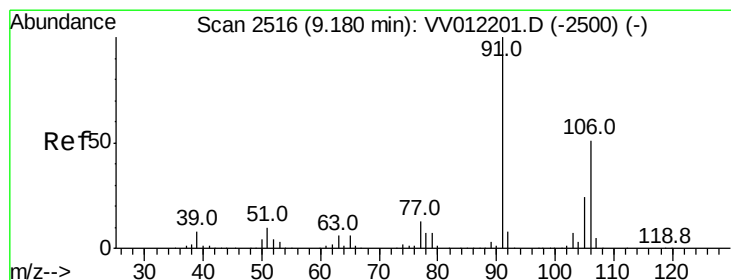
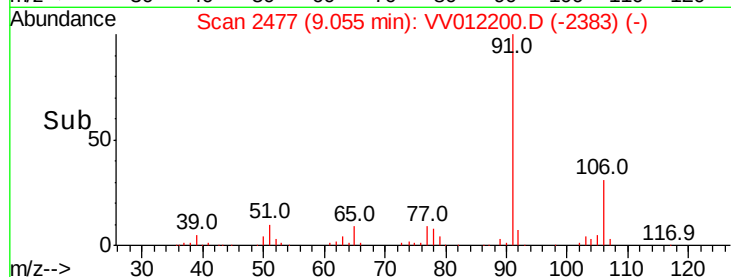
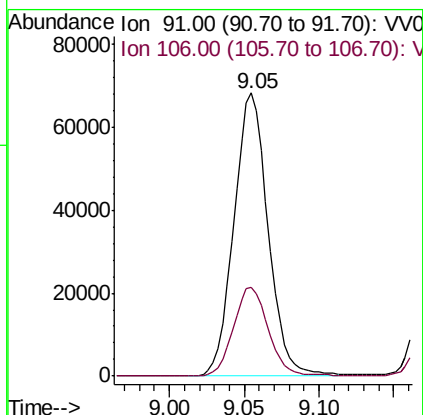
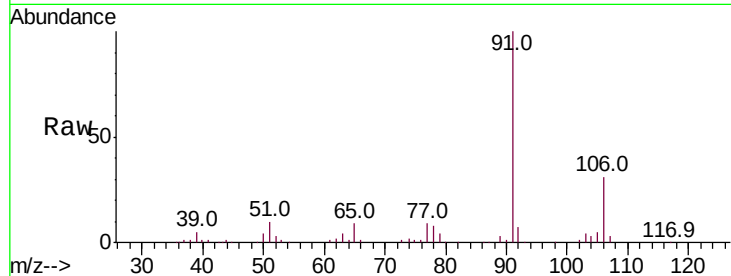
ClientSampleId :

Tot Ion: 91 Resp: 108640

Ion Ratio Lower Upper

91 100

106 31.3 21.8 40.4



#53

m,p-Xylene

Concen: 7.618 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012200.D

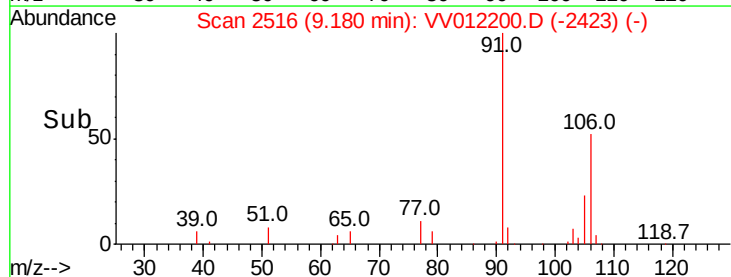
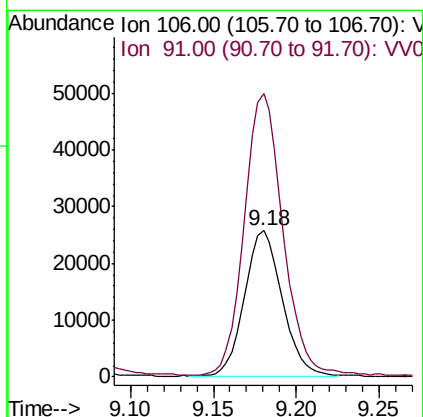
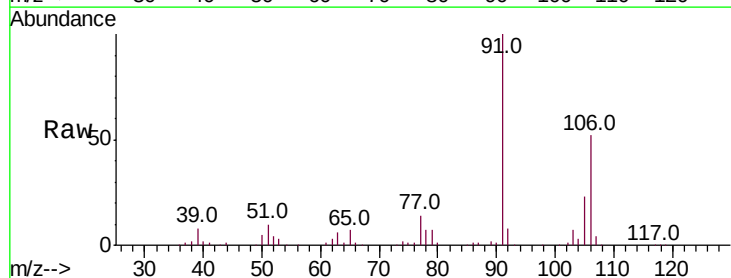
Acq: 12 Aug 2019 11:17

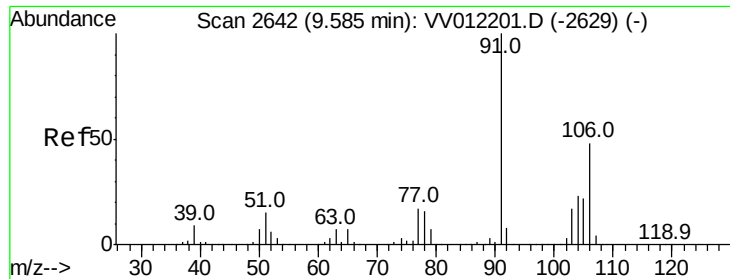
Tgt Ion: 106 Resp: 40832

Ion Ratio Lower Upper

106 100

91 193.7 138.0 256.4





#54

o-xylene

Concen: 7.363 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012200.D

Acq: 12 Aug 2019 11:17

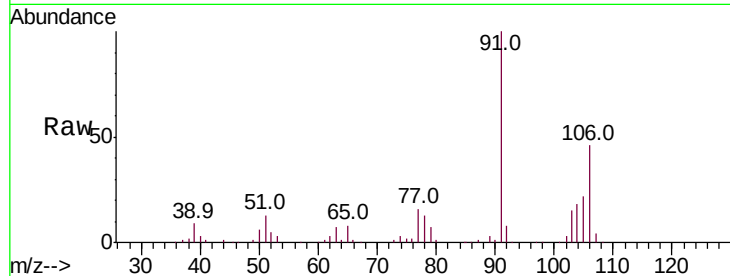
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 38764

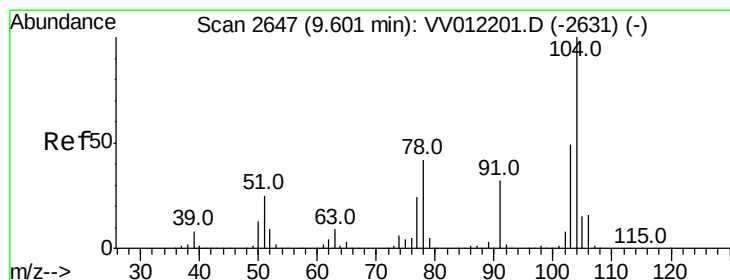
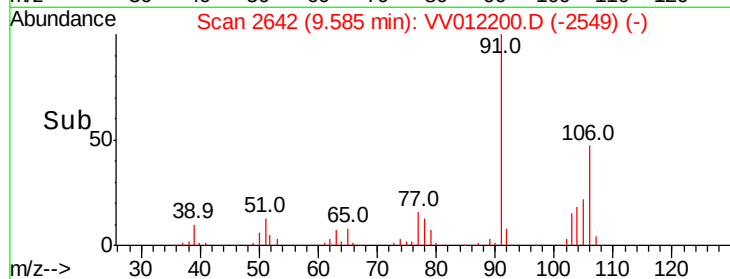
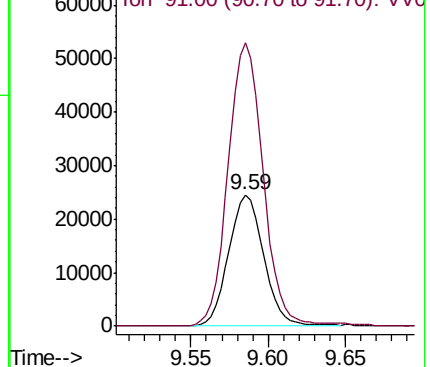
Ion Ratio Lower Upper

106 100

91 215.1 146.5 272.1



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 7.159 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV012200.D

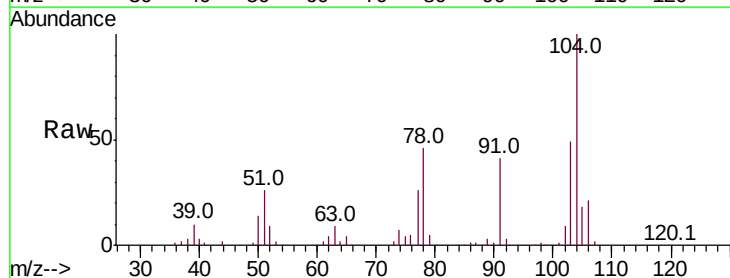
Acq: 12 Aug 2019 11:17

Tgt Ion:104 Resp: 63425

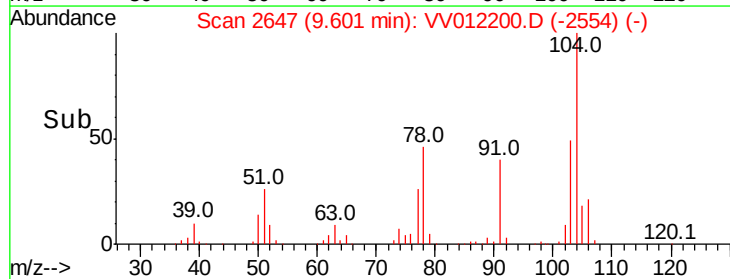
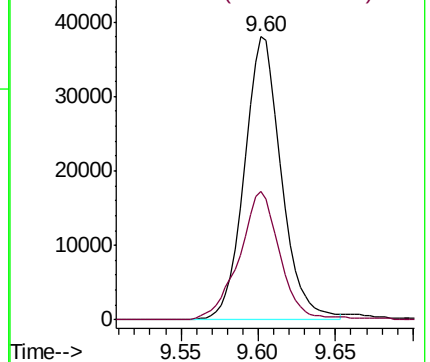
Ion Ratio Lower Upper

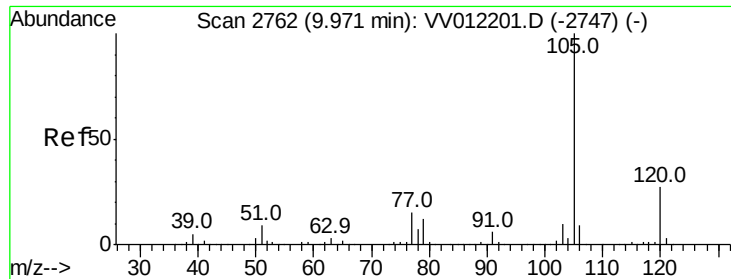
104 100

78 45.6 29.5 54.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 7.361 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012200.D

Acq: 12 Aug 2019 11:17

Instrument :

MSVOA_V

ClientSampleId :

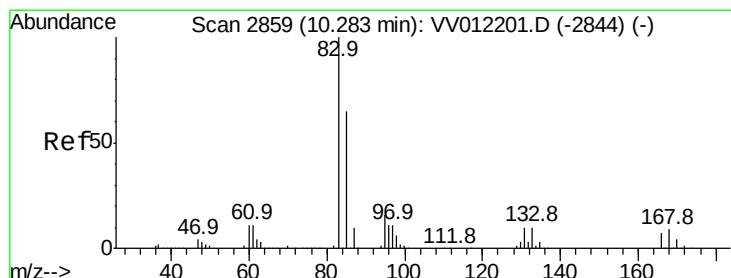
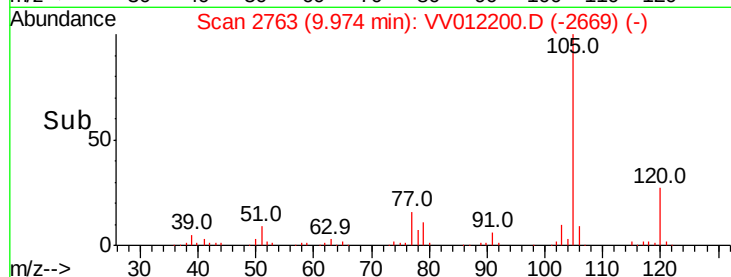
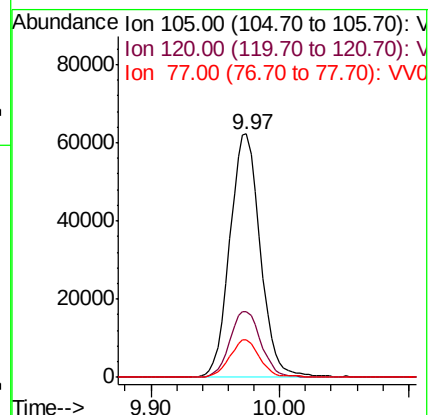
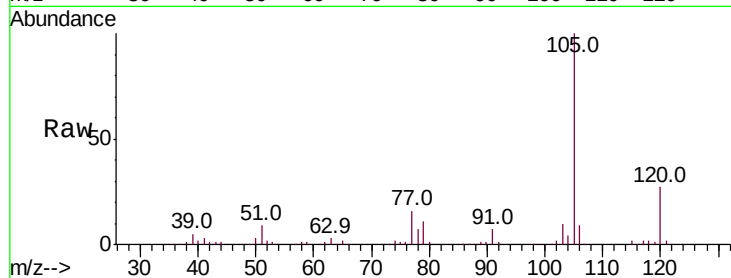
Tot Ion:105 Resp: 102060

Ion Ratio Lower Upper

105 100

120 27.5 21.8 32.8

77 15.0 12.0 18.0



#58

1,1,2,2-Tetrachloroethane

Concen: 8.621 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV012200.D

Acq: 12 Aug 2019 11:17

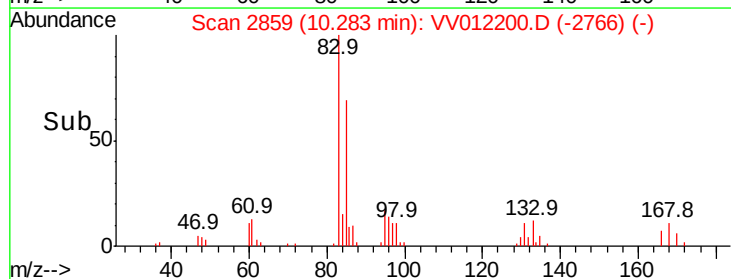
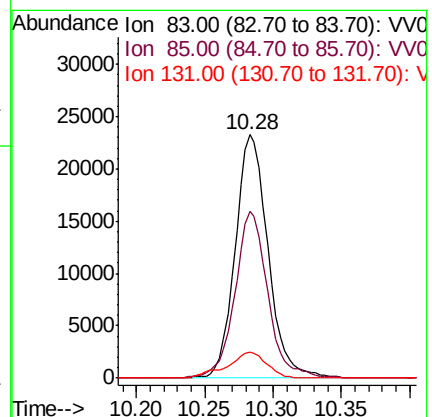
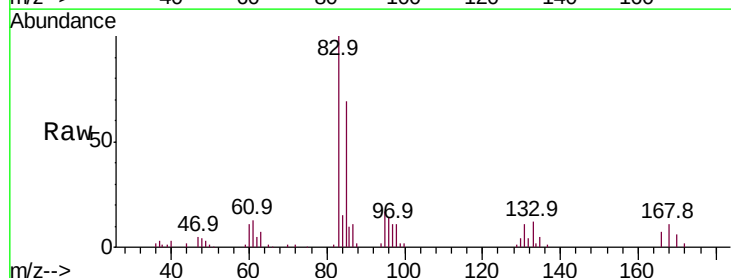
Tgt Ion: 83 Resp: 38916

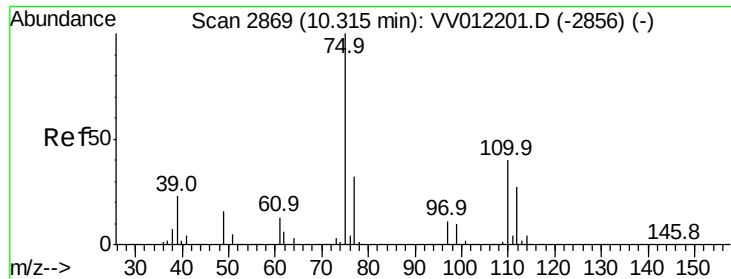
Ion Ratio Lower Upper

83 100

85 68.6 45.3 84.1

131 10.7 8.4 12.6

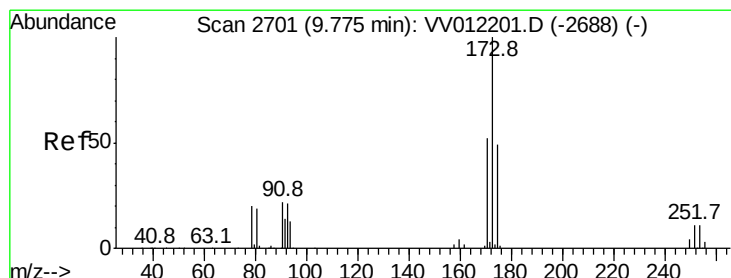
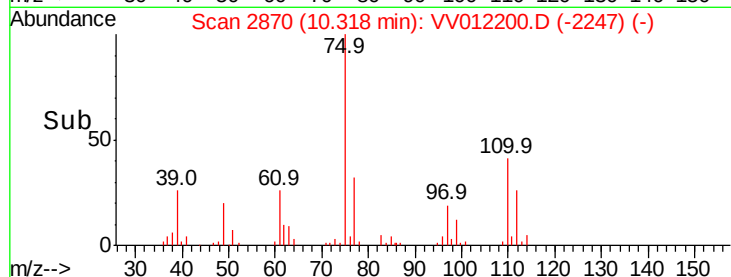
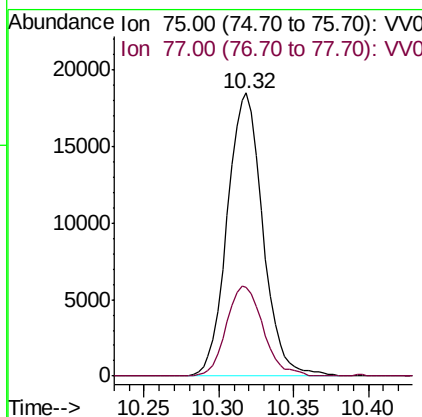
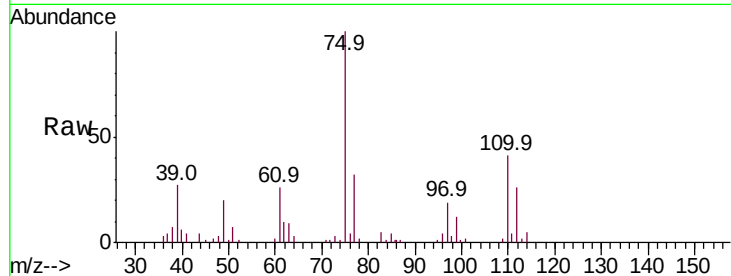




#59
 1,2,3-Trichloropropane
 Concen: 8.557 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV012200.D
 Acq: 12 Aug 2019 11:17

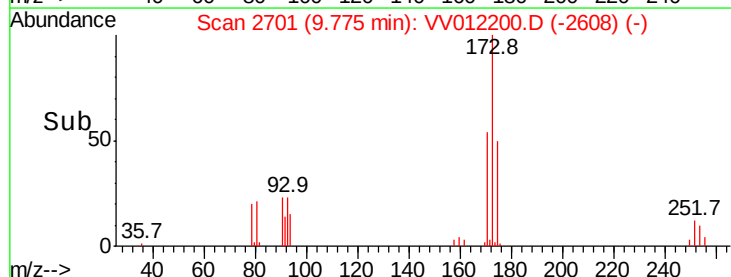
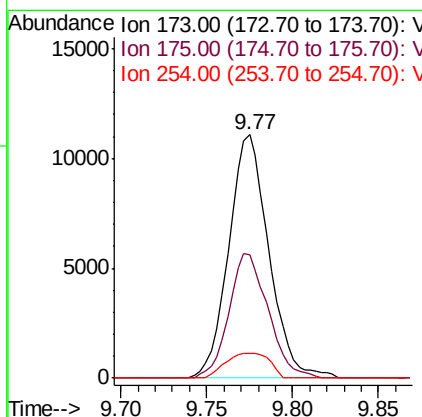
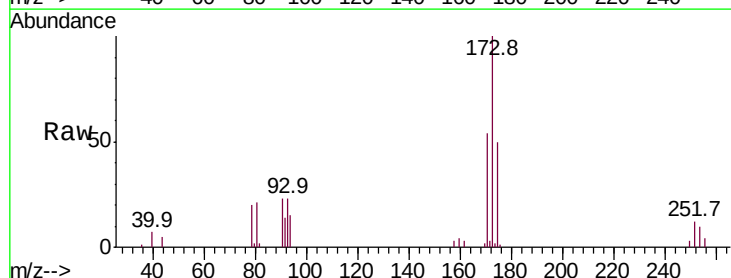
Instrument :
 MSVOA_V
 ClientSampled :

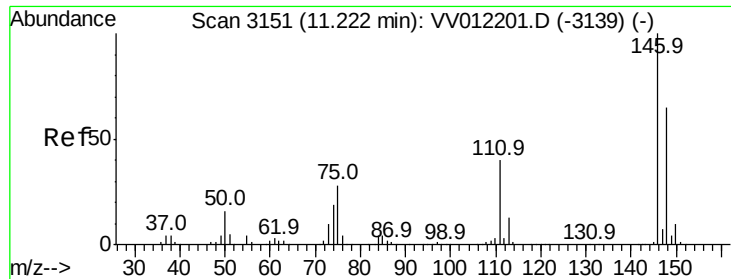
Tot Ion: 75 Resp: 30622
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.4 38.2



#61
 Bromoform
 Concen: 6.782 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV012200.D
 Acq: 12 Aug 2019 11:17

Tgt Ion: 173 Resp: 18034
 Ion Ratio Lower Upper
 173 100
 175 50.0 39.0 58.4
 254 11.1 7.8 11.8

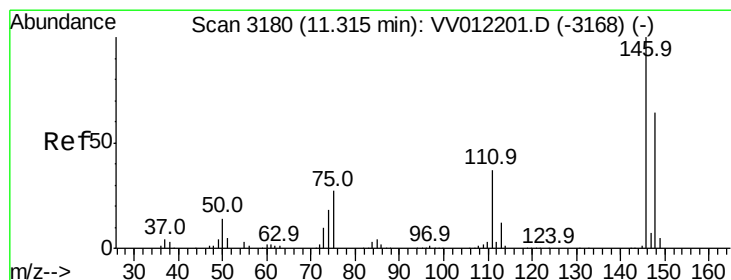
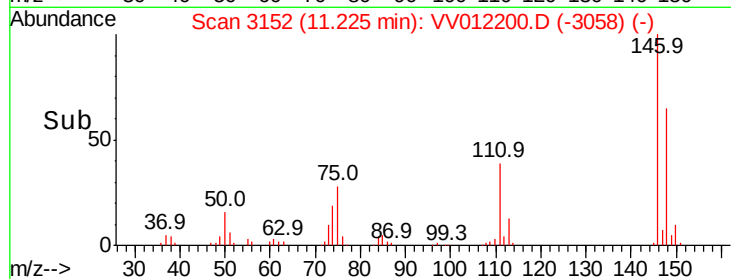
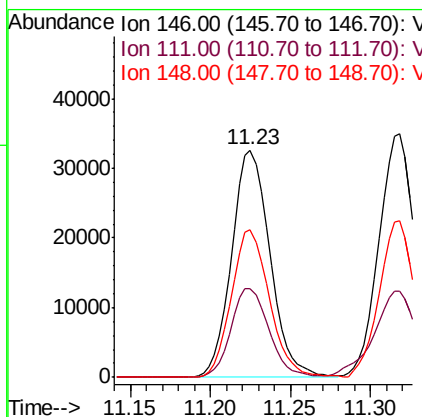
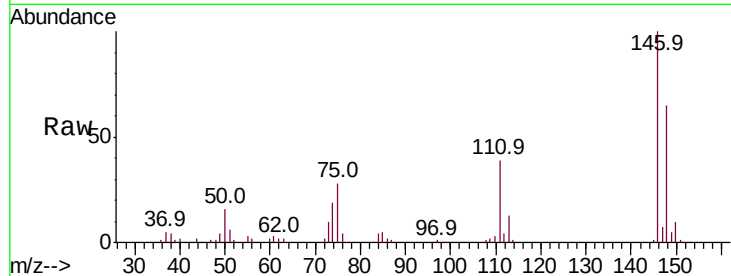




#62
 1,3-Dichlorobenzene
 Concen: 8.164 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV012200.D
 Acq: 12 Aug 2019 11:17

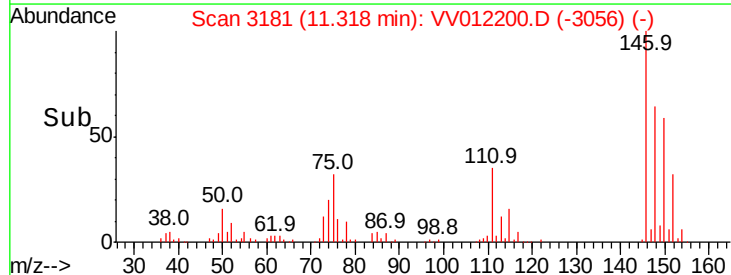
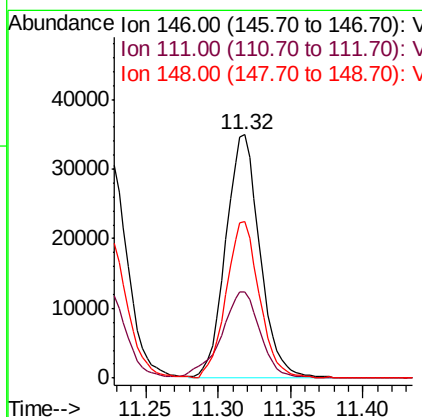
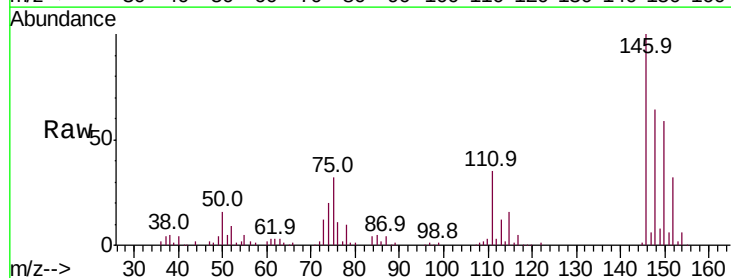
Instrument :
 MSVOA_V
 ClientSampled :

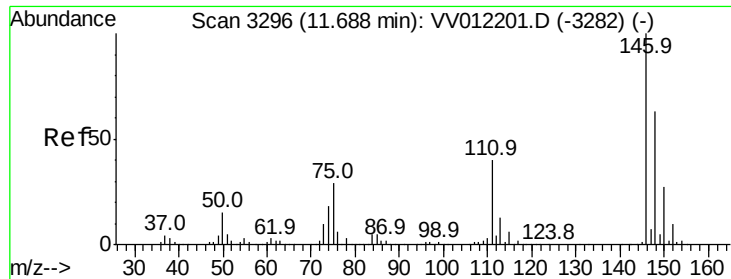
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	27.7	51.5
148	65.0	45.5	84.5



#63
 1,4-Dichlorobenzene
 Concen: 8.653 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV012200.D
 Acq: 12 Aug 2019 11:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	25.8	48.0
148	64.4	44.8	83.2





#65

1,2-Dichlorobenzene

Concen: 8.199 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012200.D

Acq: 12 Aug 2019 11:17

Instrument :

MSVOA_V

ClientSampled :

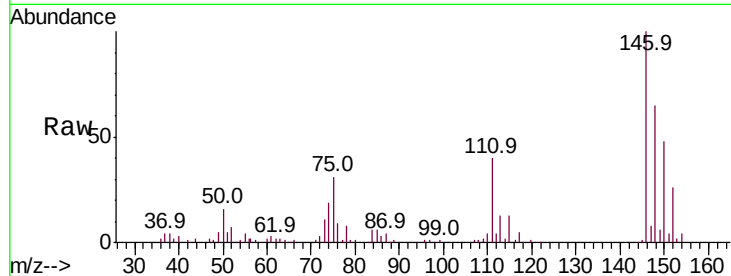
Tot Ion:146 Resp: 53783

Ion Ratio Lower Upper

146 100

111 39.9 31.8 47.6

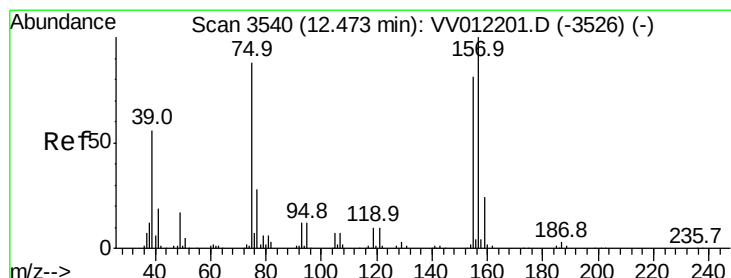
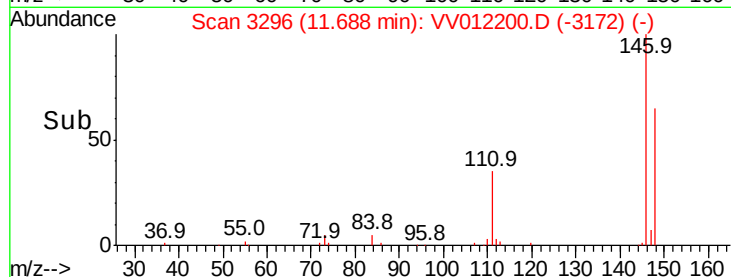
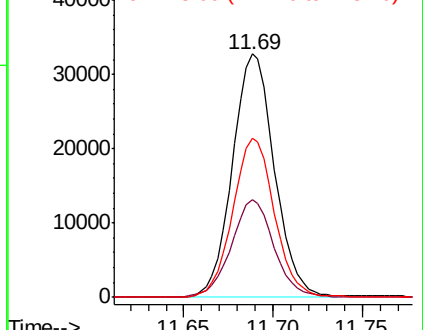
148 65.2 50.6 76.0



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: 7.553 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV012200.D

Acq: 12 Aug 2019 11:17

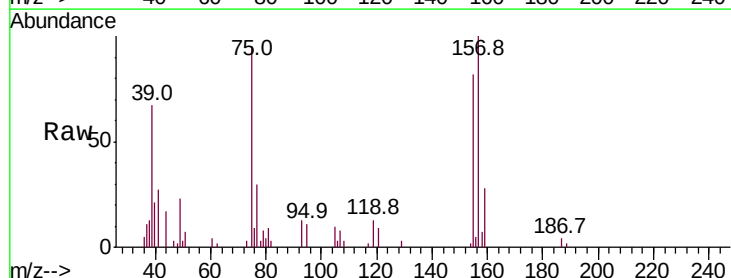
Tgt Ion: 75 Resp: 7614

Ion Ratio Lower Upper

75 100

155 86.4 73.9 110.9

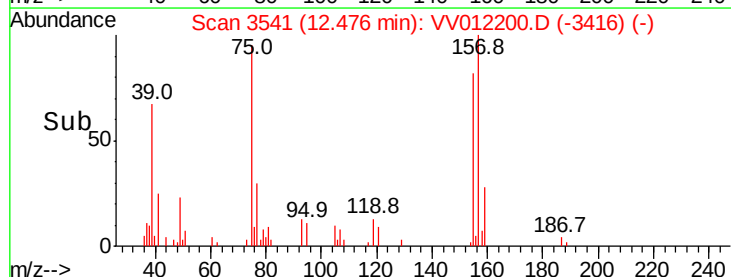
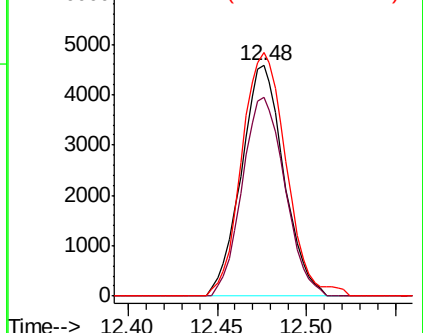
157 105.7 91.2 136.8

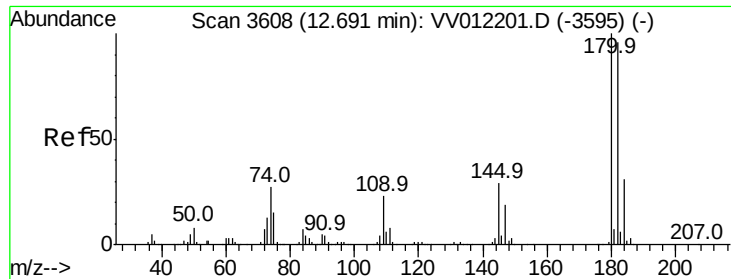


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

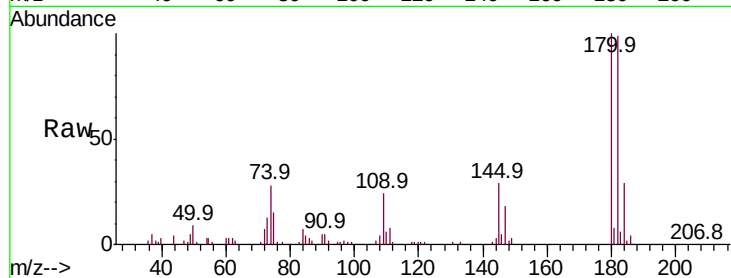




#67
 1,3,5-Trichlorobenzene
 Concen: 7.622 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012200.D
 Acq: 12 Aug 2019 11:17

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.0	114.0
184	30.8	24.0	36.0
145	28.1	23.0	34.6



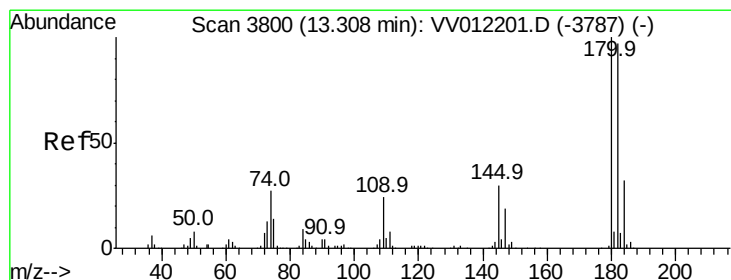
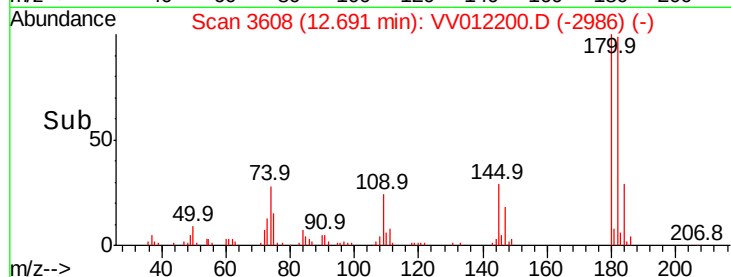
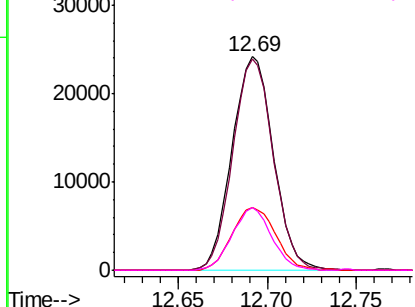
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

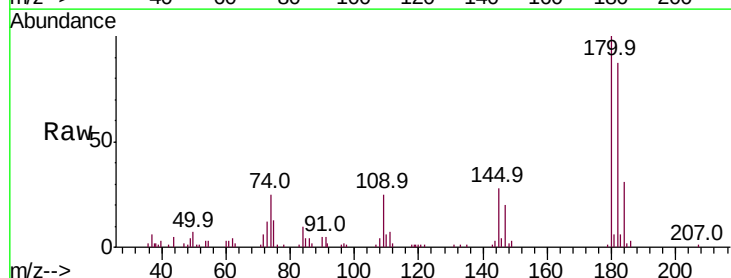
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 6.926 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012200.D
 Acq: 12 Aug 2019 11:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.7	76.6	115.0
145	28.0	23.8	35.6

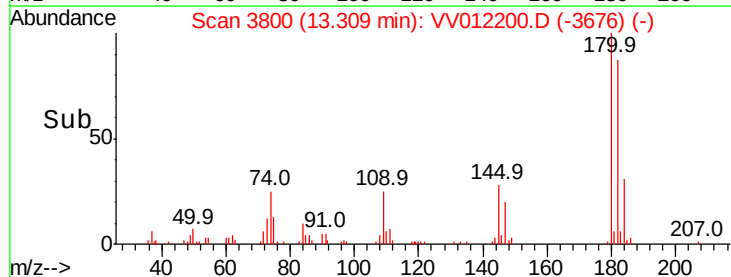
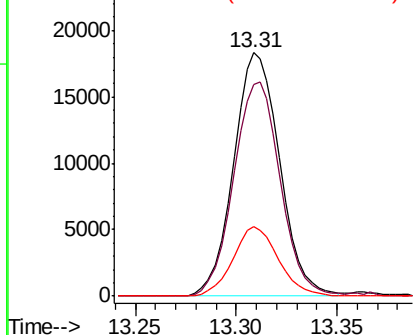


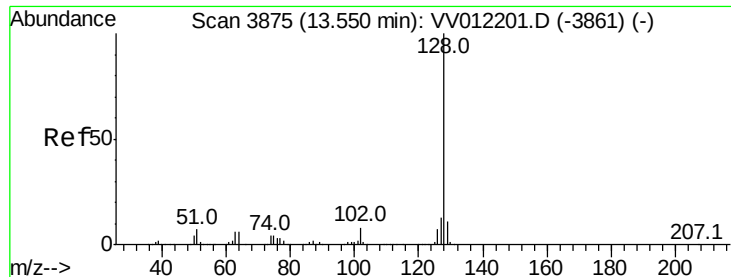
Abundance

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





#69

Naphthalene

Concen: 5.466 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV012200.D

Acq: 12 Aug 2019 11:17

Instrument :

MSVOA_V

ClientSampleId :

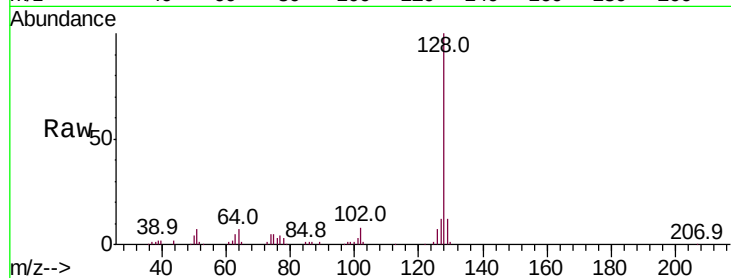
Tot Ion:128 Resp: 64681

Ion Ratio Lower Upper

128 100

127 12.1 10.4 15.6

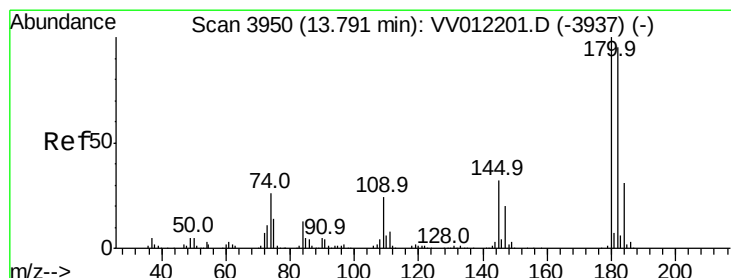
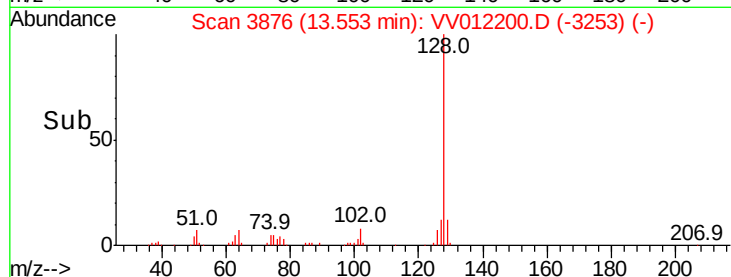
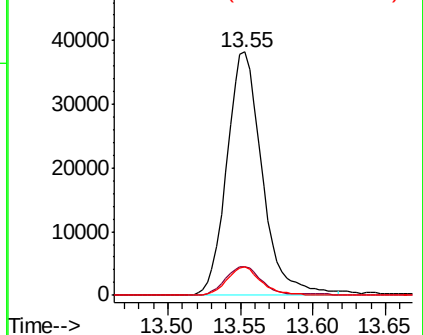
129 11.2 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 6.533 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV012200.D

Acq: 12 Aug 2019 11:17

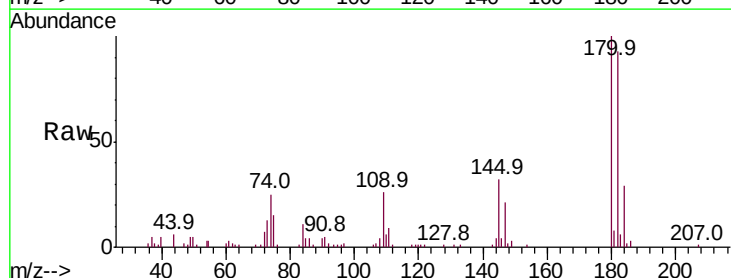
Tgt Ion:180 Resp: 29079

Ion Ratio Lower Upper

180 100

182 99.0 75.4 113.2

145 33.2 25.0 37.4



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

