

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082319\
 Data File : VV012366.D
 Acq On : 23 Aug 2019 15:41
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV33

Quant Time: Aug 24 01:25:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 24 00:53:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	247208	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	235048	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	116096	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	65647	5.31	ug/L	0.00
7) Chloroethane-d5	1.58	69	48188	5.29	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	115244	5.25	ug/L	0.00
20) 2-Butanone-d5	3.96	46	176632	53.05	ug/L	0.00
24) Chloroform-d	4.40	84	150259	5.29	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	72370	5.27	ug/L	0.00
32) Benzene-d6	5.09	84	303433	5.31	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	90872	5.24	ug/L	0.00
41) Toluene-d8	7.36	98	282802	5.52	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	34056	5.18	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	111516	54.69	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	59667	5.19	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	97870	5.06	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	112868	5.346 ug/L	99
3) Chloromethane	1.25	50	86071	5.300 ug/L	99
5) Vinyl chloride	1.32	62	85607	5.436 ug/L	97
6) Bromomethane	1.54	94	40293	5.607 ug/L	92
8) Chloroethane	1.60	64	43711	5.530 ug/L	98
9) Trichlorofluoromethane	1.77	101	114770	5.476 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	57398	5.258 ug/L	97
12) 1,1-Dichloroethene	2.14	96	54318	5.478 ug/L	97
13) Acetone	2.22	43	78823	54.719 ug/L	99
14) Carbon disulfide	2.31	76	163558	5.249 ug/L	99
15) Methyl Acetate	2.47	43	19011	5.243 ug/L	98
16) Methylene chloride	2.53	84	54423	4.925 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	164959	5.520 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	81145	5.503 ug/L	98
19) 1,1-Dichloroethane	3.22	63	150905	5.504 ug/L	98
21) 2-Butanone	4.05	43	186569	55.143 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	84763	5.270 ug/L	98
23) Bromochloromethane	4.29	128	35464	5.303 ug/L	97
25) Chloroform	4.42	83	152407	4.982 ug/L	98
27) 1,2-Dichloroethane	5.18	62	86107	5.334 ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	128960	5.492 ug/L	99
30) Cyclohexane	4.72	56	130760	5.390 ug/L	99
31) Carbon tetrachloride	4.87	117	114195	5.499 ug/L	98
33) Benzene	5.14	78	333824	5.570 ug/L	100
34) Trichloroethene	5.96	95	87125	5.386 ug/L	97
35) Methylcyclohexane	6.17	83	133105	5.239 ug/L	99
37) 1,2-Dichloropropane	6.22	63	80136	5.276 ug/L	100
38) Bromodichloromethane	6.55	83	103192	5.508 ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	109767	5.376 ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	460364	56.428 ug/L	98

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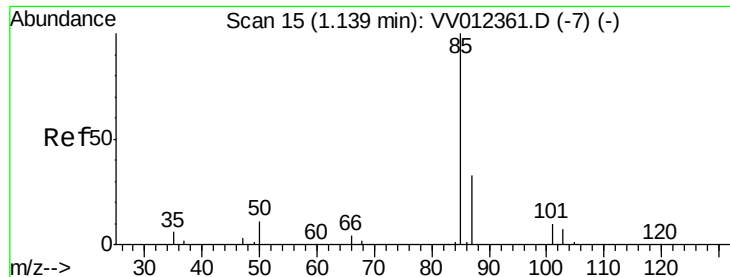
Instrument :
 MSVOA_V
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082319WMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.43	91	349331	5.706	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	85607	5.543	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	54830	5.572	ug/L	97
47) Tetrachloroethene	8.01	164	72689	5.569	ug/L	98
48) 2-Hexanone	8.19	43	330027	56.220	ug/L	96
49) Dibromochloromethane	8.29	129	65611	5.565	ug/L	100
50) 1,2-Dibromoethane	8.39	107	50391	5.417	ug/L	96
51) Chlorobenzene	8.92	112	217850	5.446	ug/L	98
52) Ethylbenzene	9.05	91	365470	5.546	ug/L	100
53) m,p-xylene	9.18	106	138666	5.613	ug/L	98
54) o-xylene	9.58	106	135065	5.745	ug/L	99
55) Styrene	9.60	104	226129	5.749	ug/L	96
56) Isopropylbenzene	9.97	105	356186	5.661	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	57789	5.471	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	45200	5.418	ug/L	99
61) Bromoform	9.77	173	34910	5.241	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	169747	5.384	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	168130	5.324	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	159202	5.491	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	8268	4.974	ug/L #	86
67) 1,3,5-Trichlorobenzene	12.69	180	128529	5.324	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	92447	5.495	ug/L	98
69) Naphthalene	13.55	128	118266	5.078	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	86126	5.465	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 5.346 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012366.D

Acq: 23 Aug 2019 15:41

Instrument :

MSVOA_V

ClientSampleId :

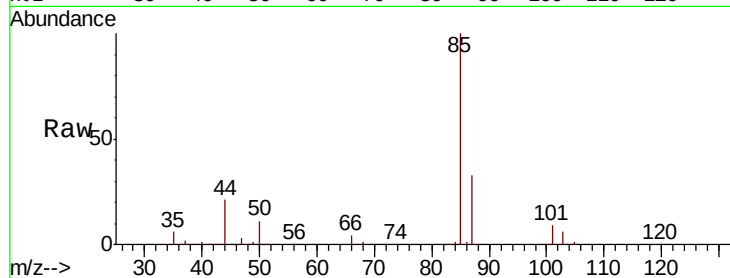
VICV33

Tgt Ion: 85 Resp: 112868

Ion Ratio Lower Upper

85 100

87 32.8 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV012366.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV012366.D (-7) (-)

1.14

100000

80000

60000

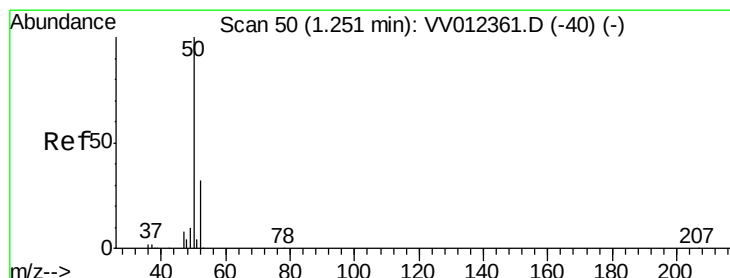
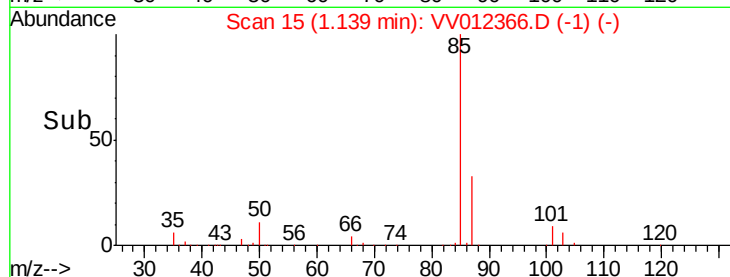
40000

20000

0

1.10 1.15 1.20 1.25

Time-->



#3

Chloromethane

Concen: 5.300 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV012366.D

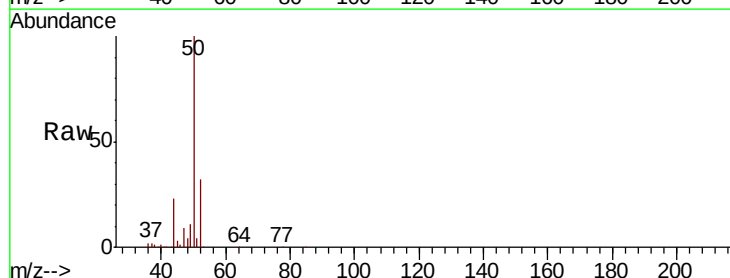
Acq: 23 Aug 2019 15:41

Tgt Ion: 50 Resp: 86071

Ion Ratio Lower Upper

50 100

52 32.1 22.2 41.2



Abundance Ion 50.05 (49.75 to 50.75): VV012366.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV012366.D (-1) (-)

1.25

80000

60000

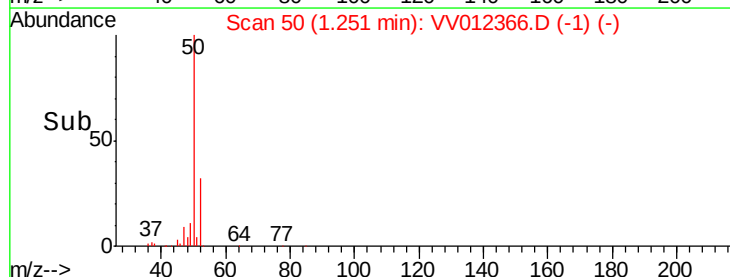
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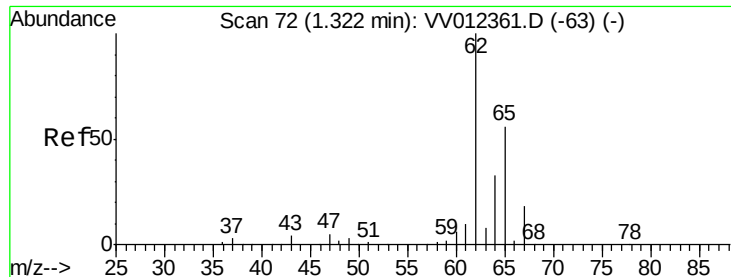
20000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 5.436 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012366.D

Acq: 23 Aug 2019 15:41

Instrument :

MSVOA_V

ClientSampleId :

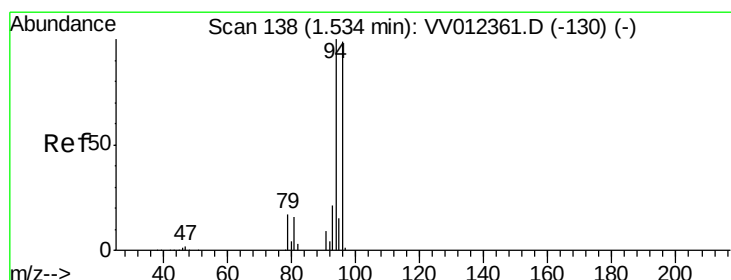
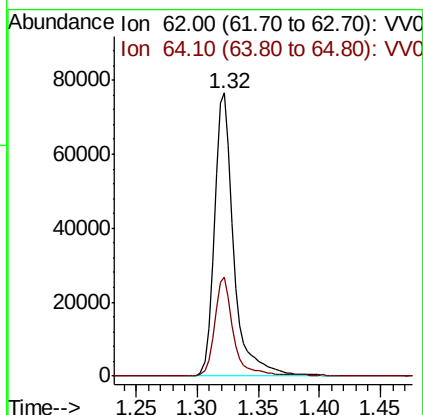
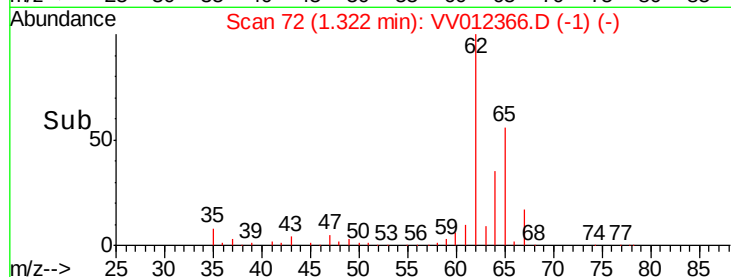
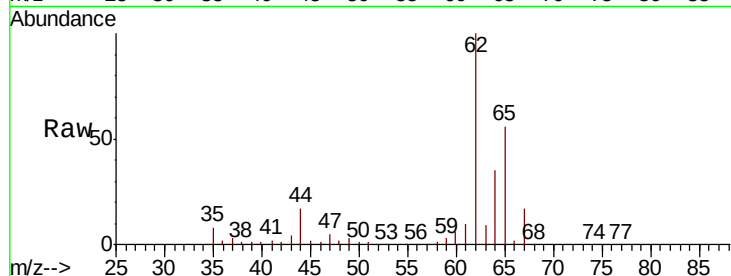
VICV33

Tgt Ion: 62 Resp: 85607

Ion Ratio Lower Upper

62 100

64 34.8 23.2 43.2



#6

Bromomethane

Concen: 5.607 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012366.D

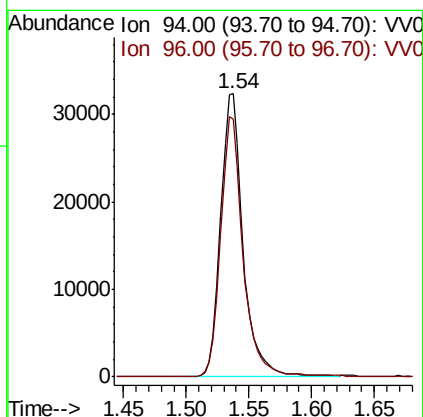
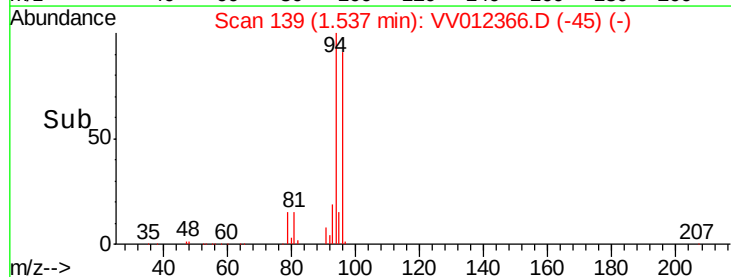
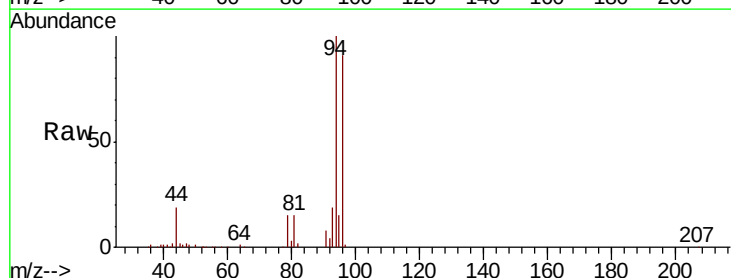
Acq: 23 Aug 2019 15:41

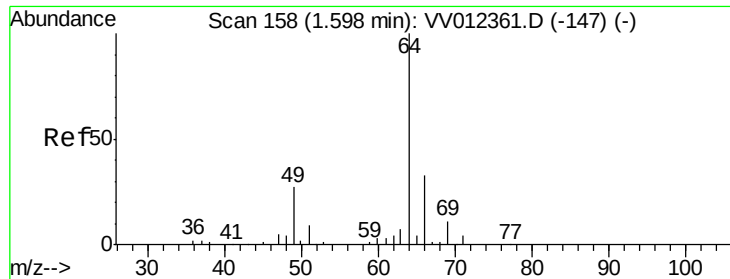
Tgt Ion: 94 Resp: 40293

Ion Ratio Lower Upper

94 100

96 90.9 69.2 128.6





#8

Chloroethane

Concen: 5.530 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV012366.D

Acq: 23 Aug 2019 15:41

Instrument :

MSVOA_V

ClientSampleId :

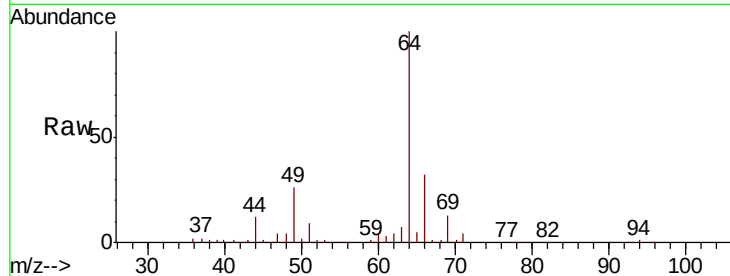
VICV33

Tgt Ion: 64 Resp: 43711

Ion Ratio Lower Upper

64 100

66 32.0 23.2 43.0



Abundance Ion 64.10 (63.80 to 64.80): VV012366.D (-147) (-)

Ion 66.05 (65.75 to 66.75): VV012366.D (-147) (-)

1.60

40000

30000

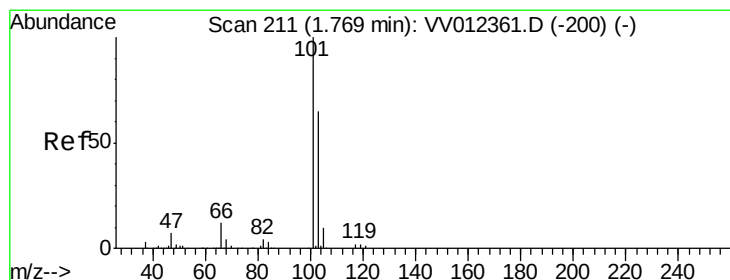
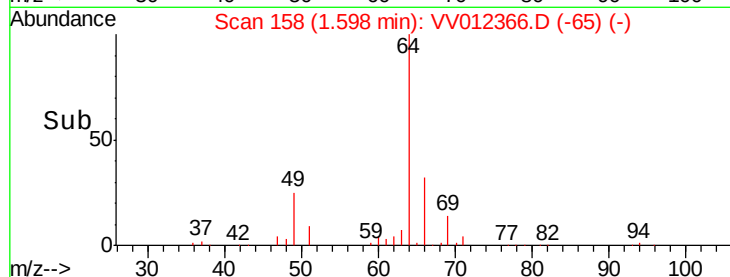
20000

10000

0

1.55 1.60 1.65 1.70

Time-->



#9

Trichlorofluoromethane

Concen: 5.476 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV012366.D

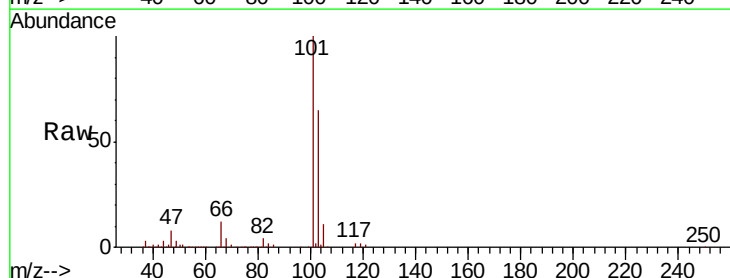
Acq: 23 Aug 2019 15:41

Tgt Ion: 101 Resp: 114770

Ion Ratio Lower Upper

101 100

103 63.9 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VV012366.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV012366.D (-200) (-)

1.77

100000

80000

60000

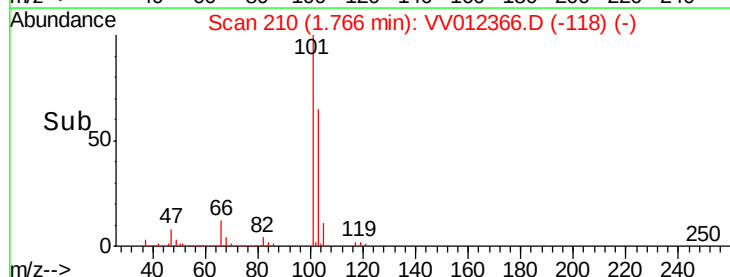
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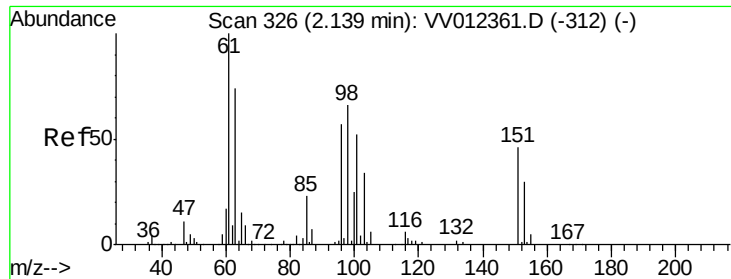
20000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 5.258 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012366.D

Acq: 23 Aug 2019 15:41

Instrument :

MSVOA_V

ClientSampleId :

VICV33

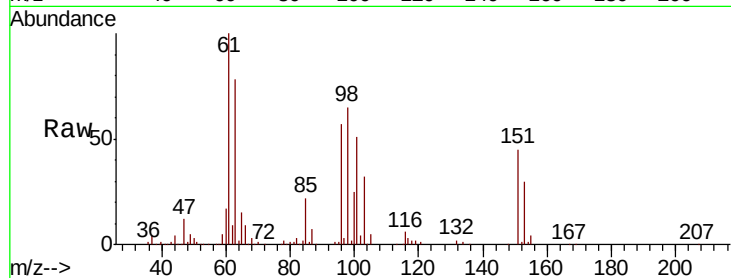
Tgt Ion: 101 Resp: 57398

Ion Ratio Lower Upper

101 100

85 42.3 34.6 51.8

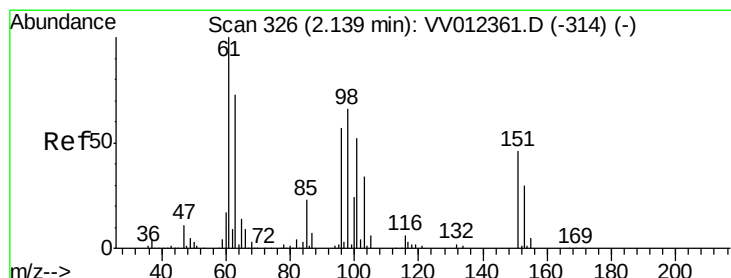
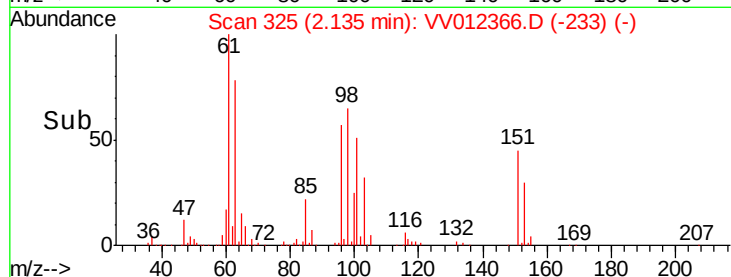
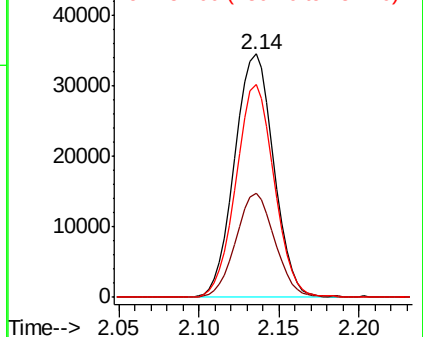
151 85.5 71.2 106.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.478 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012366.D

Acq: 23 Aug 2019 15:41

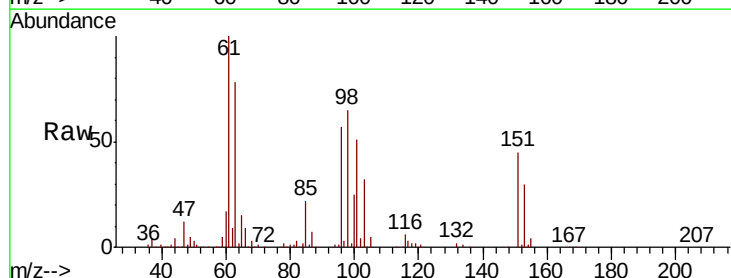
Tgt Ion: 96 Resp: 54318

Ion Ratio Lower Upper

96 100

61 175.5 122.3 227.1

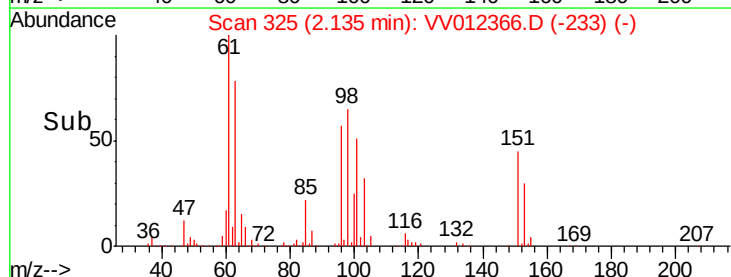
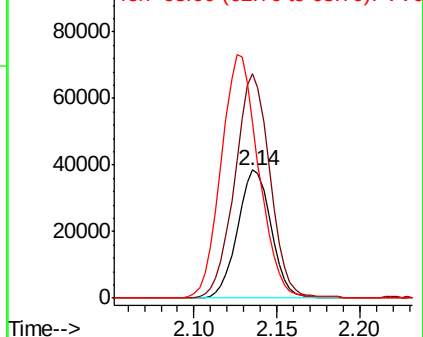
63 137.4 90.6 168.2

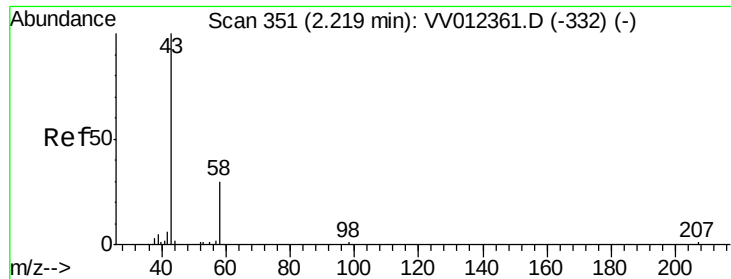


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 54.719 ug/L

RT: 2.22 min Scan# 352

Delta R.T. 0.00 min

Lab File: VV012366.D

Acq: 23 Aug 2019 15:41

Instrument :

MSVOA_V

ClientSampleId :

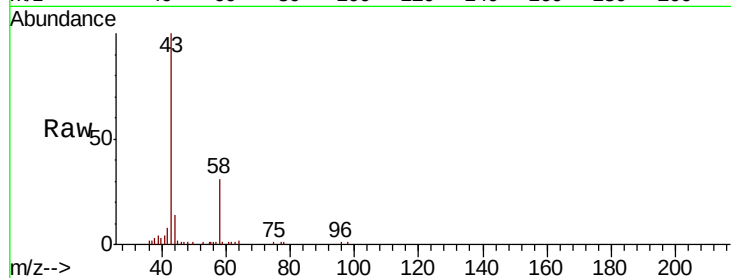
VICV33

Tgt Ion: 43 Resp: 78823

Ion Ratio Lower Upper

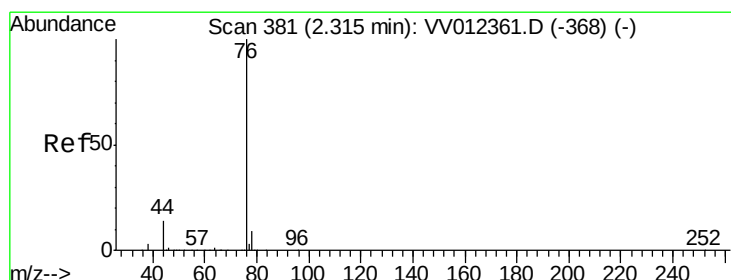
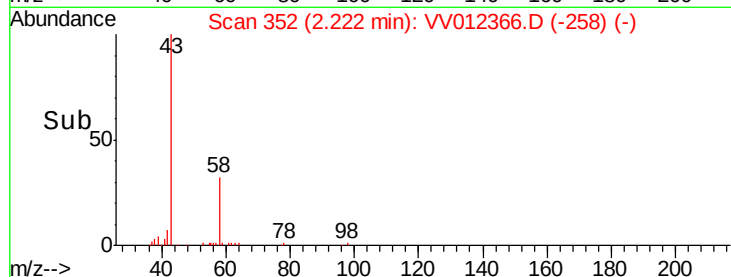
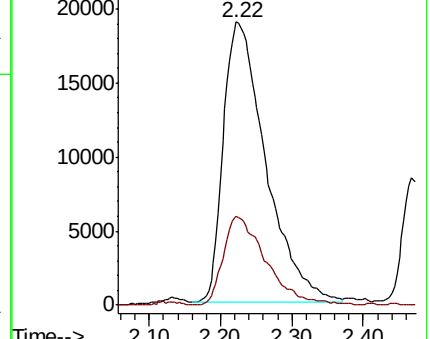
43 100

58 30.7 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 5.249 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV012366.D

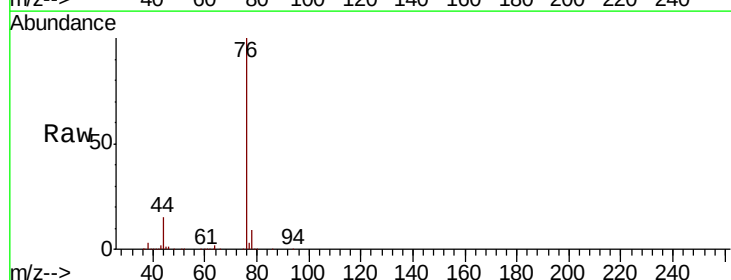
Acq: 23 Aug 2019 15:41

Tgt Ion: 76 Resp: 163558

Ion Ratio Lower Upper

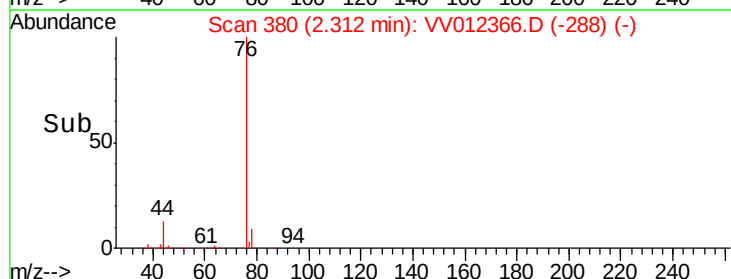
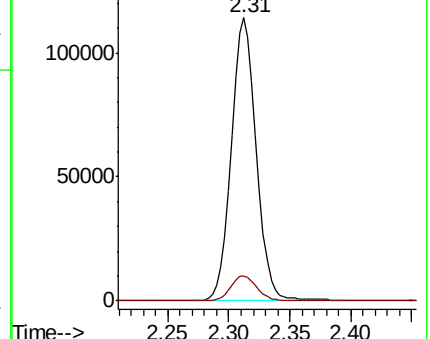
76 100

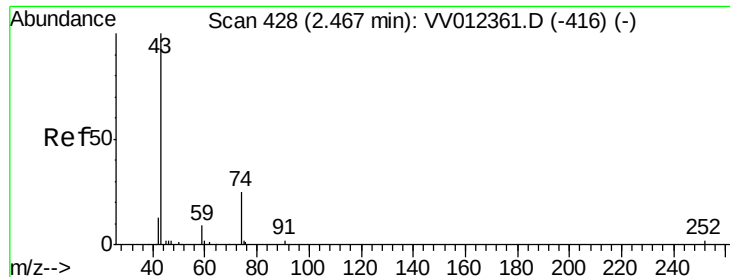
78 8.8 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

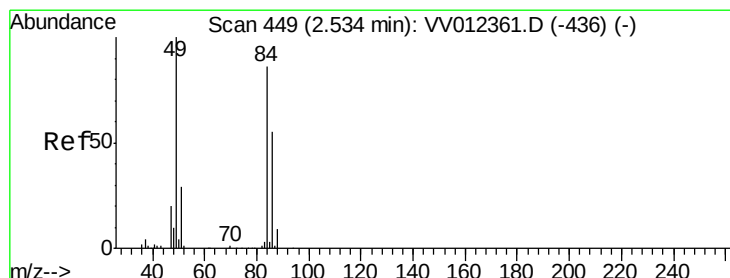
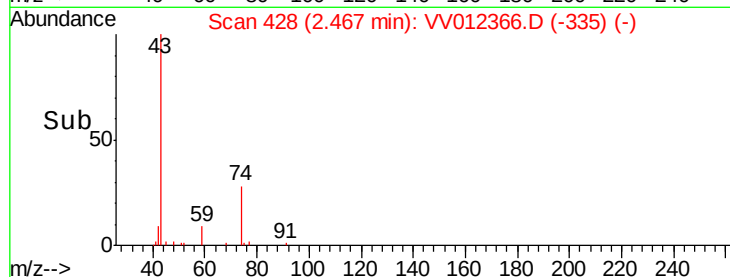
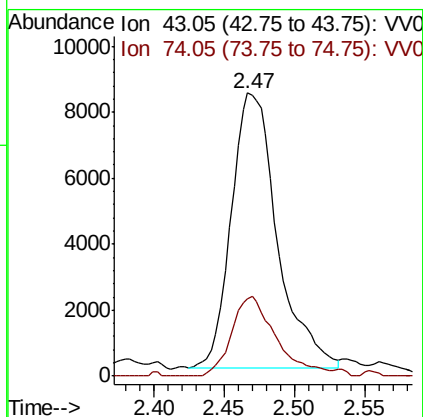
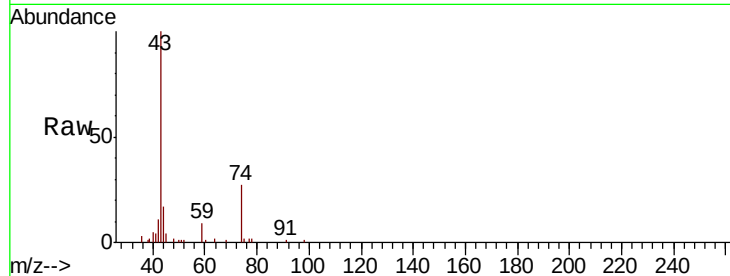




#15
Methyl Acetate
Concen: 5.243 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VV012366.D
Acq: 23 Aug 2019 15:41

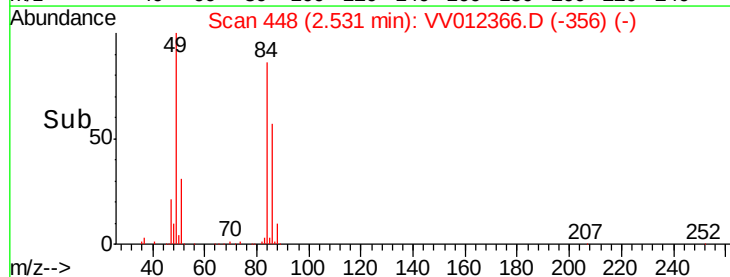
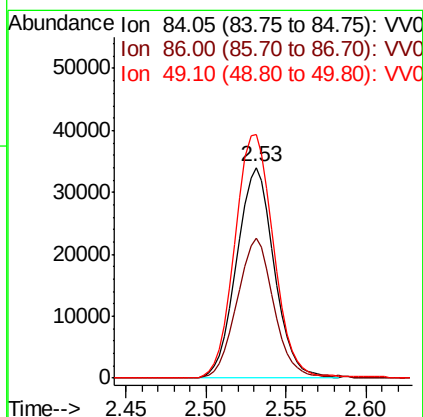
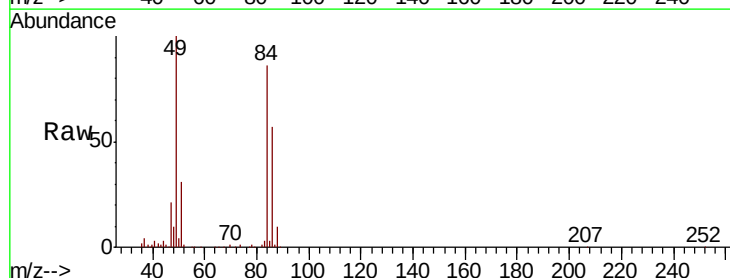
Instrument :
MSVOA_V
ClientSampleId :
VICV33

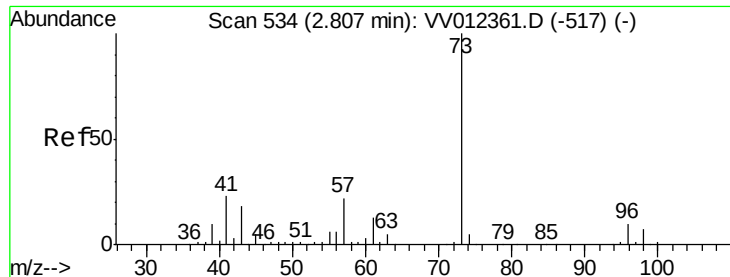
Tgt Ion: 43 Resp: 19011
Ion Ratio Lower Upper
43 100
74 28.2 21.8 32.6



#16
Methylene chloride
Concen: 4.925 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV012366.D
Acq: 23 Aug 2019 15:41

Tgt Ion: 84 Resp: 54423
Ion Ratio Lower Upper
84 100
86 66.2 44.9 83.5
49 115.6 81.1 150.7

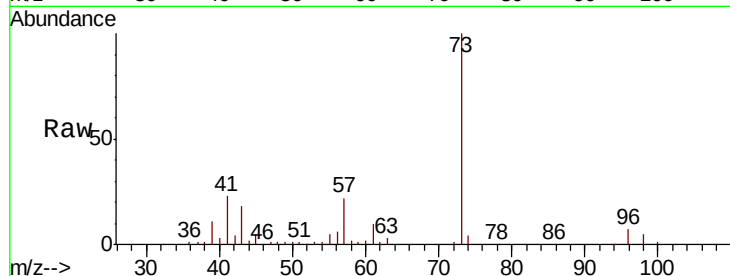




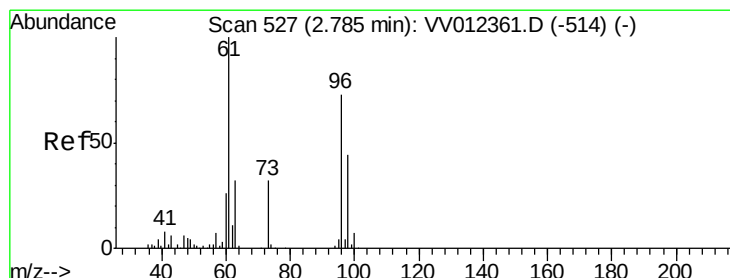
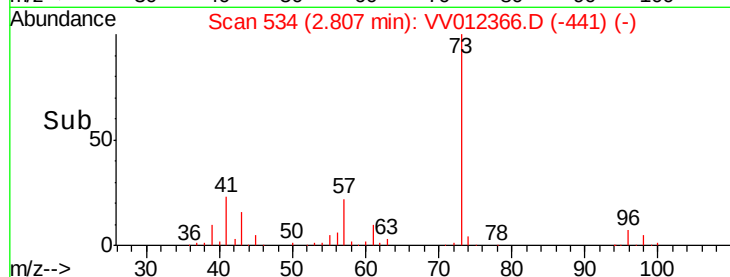
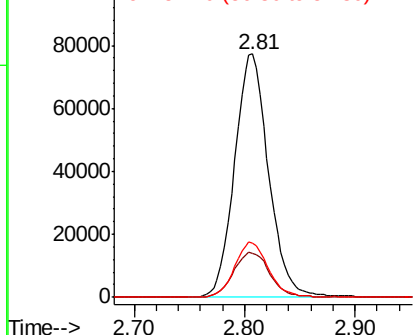
#17
Methyl tert-butyl Ether
Concen: 5.520 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV012366.D
Acq: 23 Aug 2019 15:41

Instrument :
MSVOA_V
ClientSampleId :
VICV33

Tgt Ion: 73 Resp: 164959
Ion Ratio Lower Upper
73 100
43 19.7 15.0 22.6
57 22.6 18.0 27.0

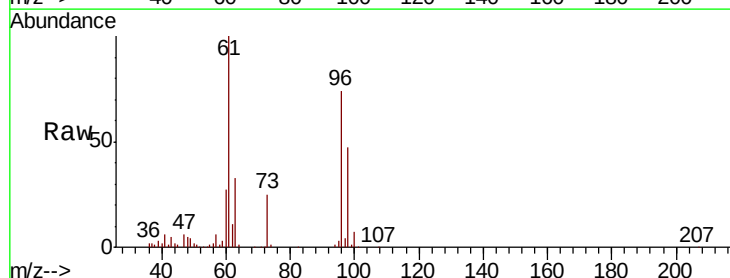


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

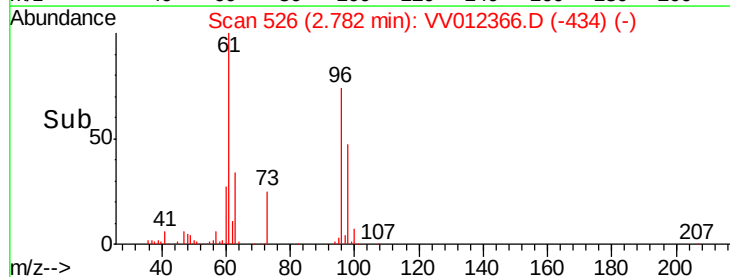
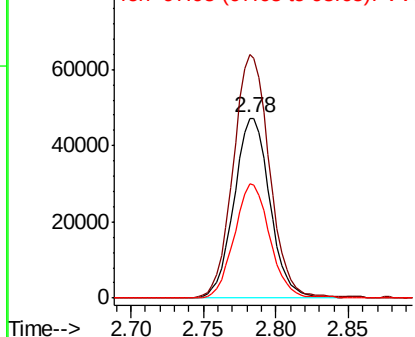


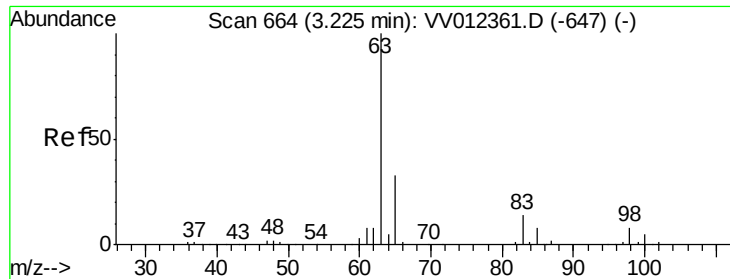
#18
trans-1,2-Dichloroethene
Concen: 5.503 ug/L
RT: 2.78 min Scan# 526
Delta R.T. -0.00 min
Lab File: VV012366.D
Acq: 23 Aug 2019 15:41

Tgt Ion: 96 Resp: 81145
Ion Ratio Lower Upper
96 100
61 135.5 96.0 178.4
98 63.4 42.1 78.3



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

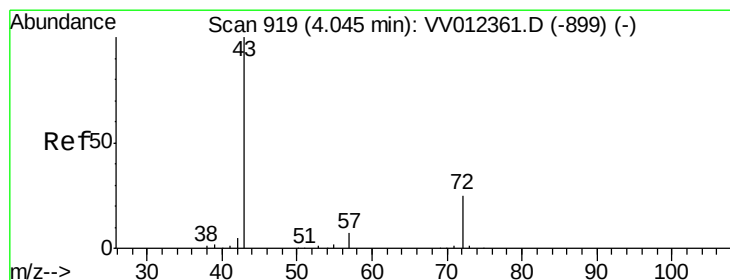
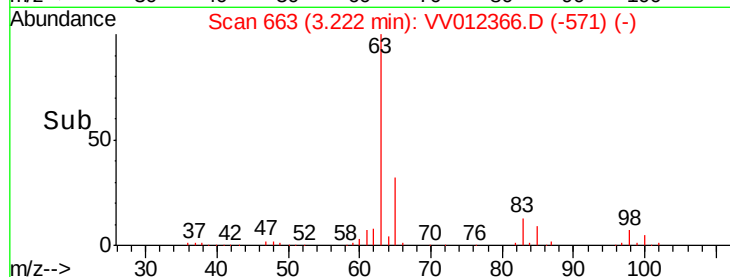
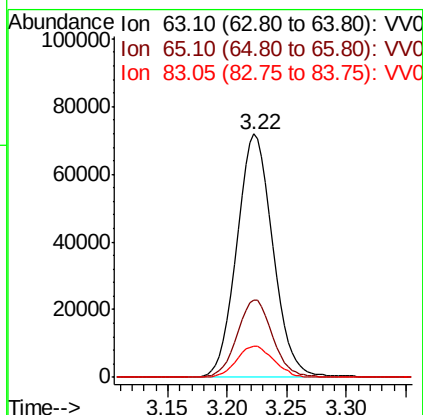
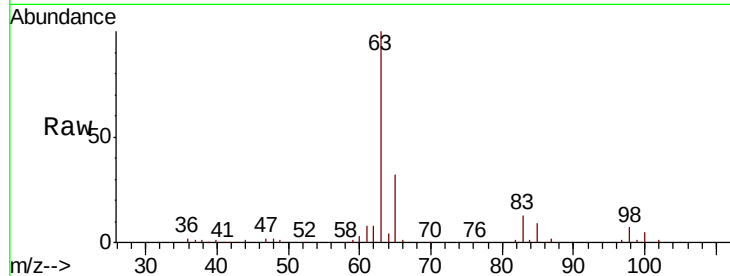




#19
 1,1-Dichloroethane
 Concen: 5.504 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: VV012366.D
 Acq: 23 Aug 2019 15:41

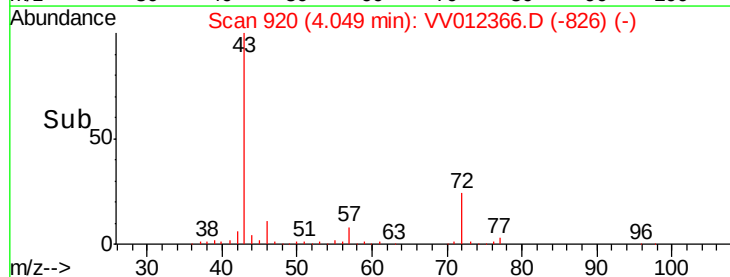
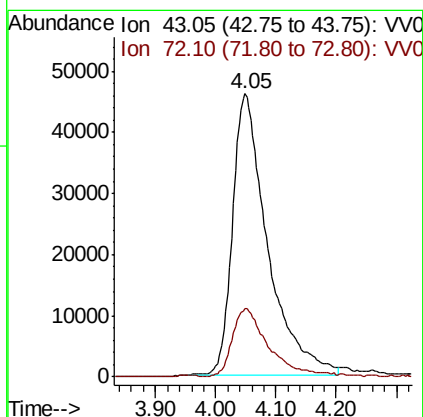
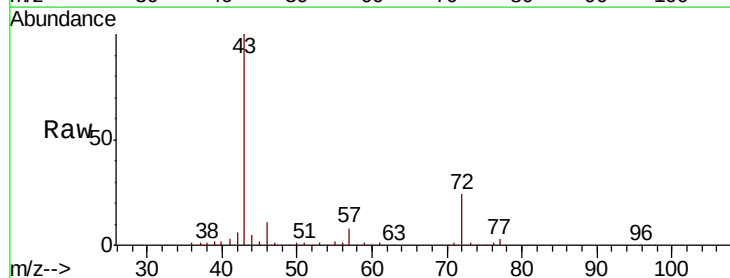
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV33

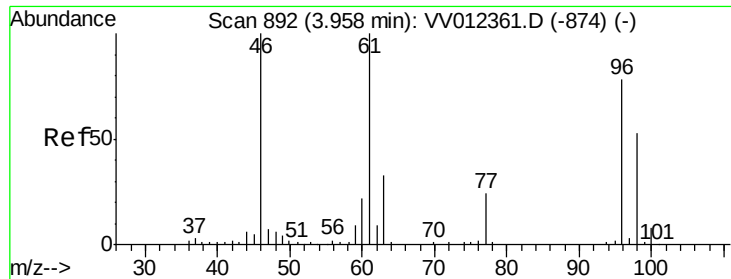
Tgt Ion: 63 Resp: 150905
 Ion Ratio Lower Upper
 63 100
 65 31.8 23.1 42.9
 83 12.9 9.4 17.6



#21
 2-Butanone
 Concen: 55.143 ug/L
 RT: 4.05 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VV012366.D
 Acq: 23 Aug 2019 15:41

Tgt Ion: 43 Resp: 186569
 Ion Ratio Lower Upper
 43 100
 72 25.0 12.2 36.6



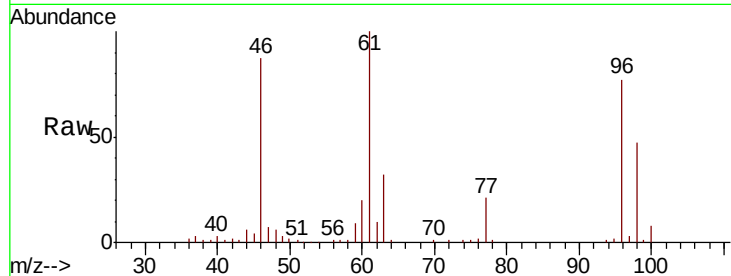


#22

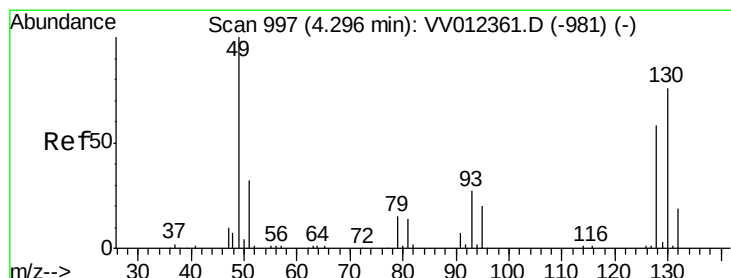
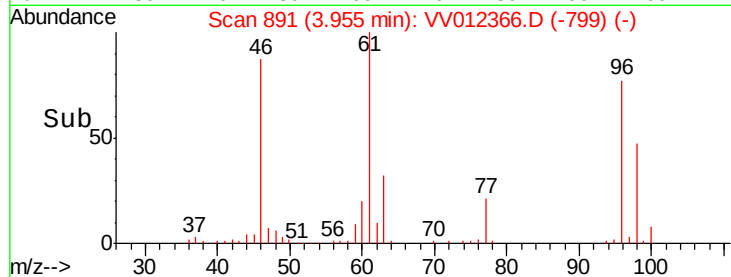
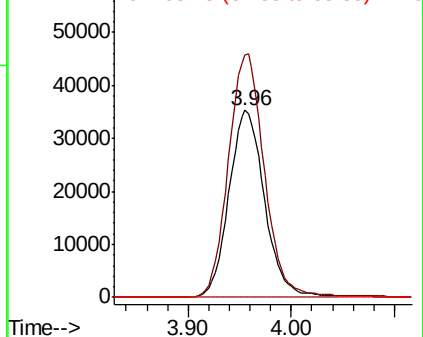
cis-1,2-Dichloroethene
Concen: 5.270 ug/L
RT: 3.96 min Scan# 891
Delta R.T. -0.00 min
Lab File: VV012366.D
Acq: 23 Aug 2019 15:41

Instrument :
MSVOA_V
ClientSampleId :
VICV33

Tgt Ion: 96 Resp: 84763
Ion Ratio Lower Upper
96 100
61 130.1 89.4 166.0
68 0.0 0.0 0.0



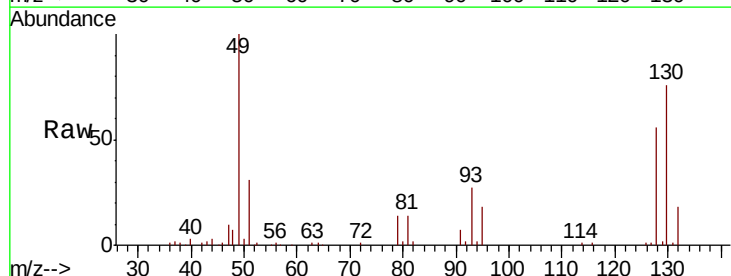
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



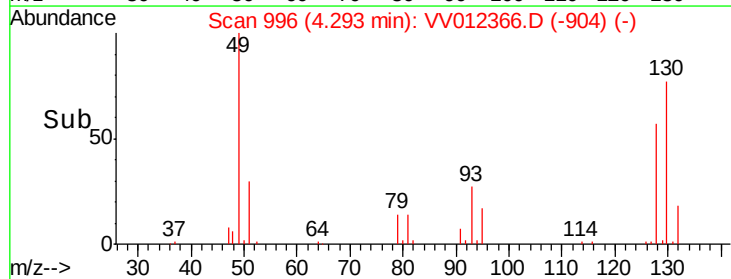
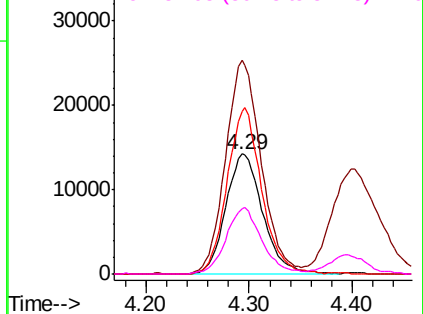
#23

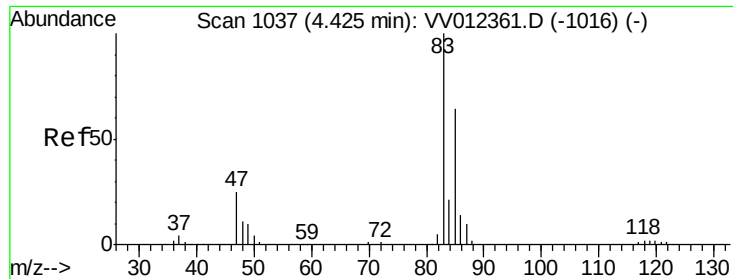
Bromochloromethane
Concen: 5.303 ug/L
RT: 4.29 min Scan# 996
Delta R.T. -0.00 min
Lab File: VV012366.D
Acq: 23 Aug 2019 15:41

Tgt Ion: 128 Resp: 35464
Ion Ratio Lower Upper
128 100
49 177.6 120.7 224.1
130 135.1 91.5 169.9
51 54.5 44.3 66.5



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

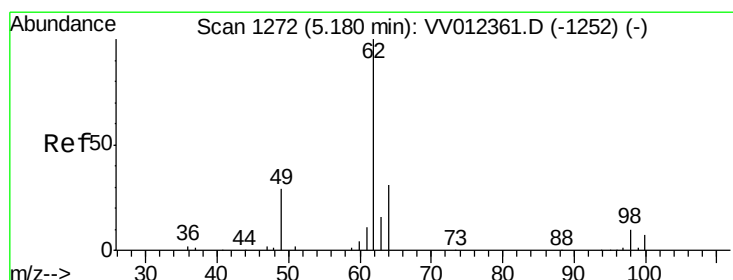
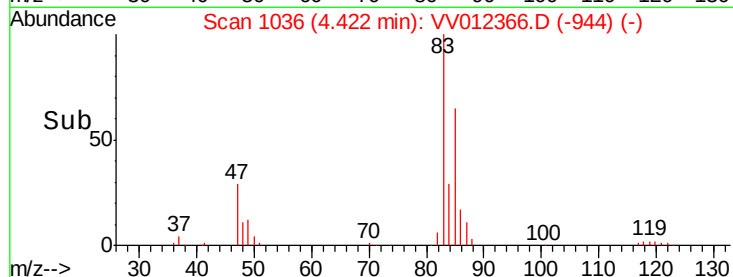
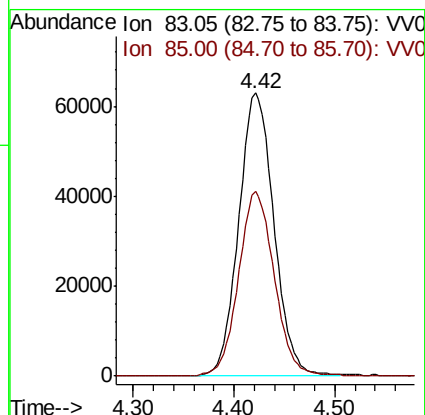
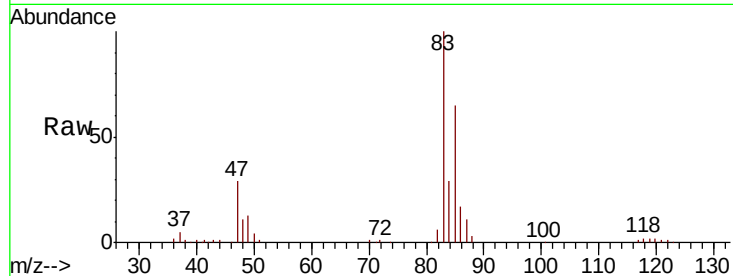




#25
Chloroform
Concen: 4.982 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV012366.D
Acq: 23 Aug 2019 15:41

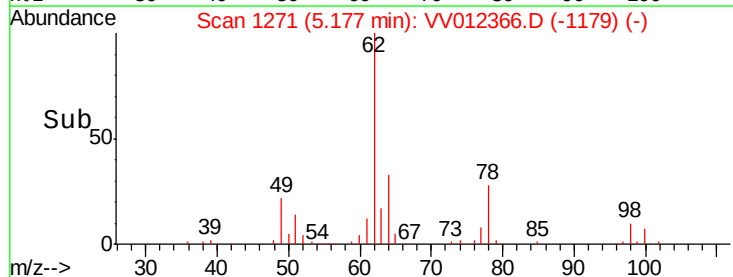
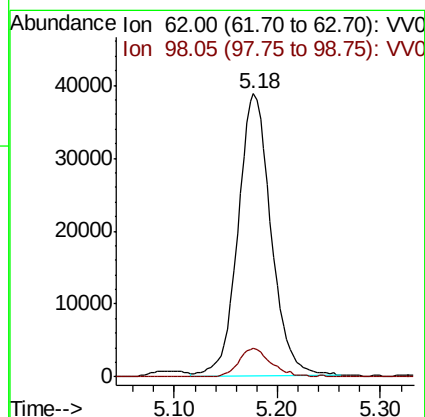
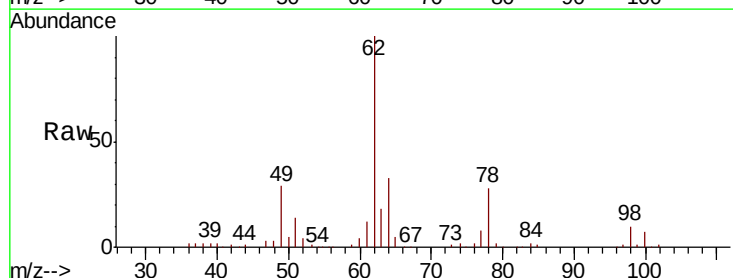
Instrument :
MSVOA_V
ClientSampleId :
VICV33

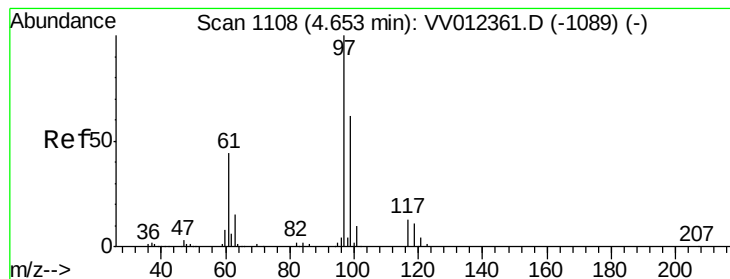
Tgt Ion: 83 Resp: 152407
Ion Ratio Lower Upper
83 100
85 65.2 44.6 82.8



#27
1,2-Dichloroethane
Concen: 5.334 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV012366.D
Acq: 23 Aug 2019 15:41

Tgt Ion: 62 Resp: 86107
Ion Ratio Lower Upper
62 100
98 10.1 7.6 11.4





#29

1,1,1-Trichloroethane

Concen: 5.492 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VV012366.D

Acq: 23 Aug 2019 15:41

Instrument :

MSVOA_V

ClientSampleId :

VICV33

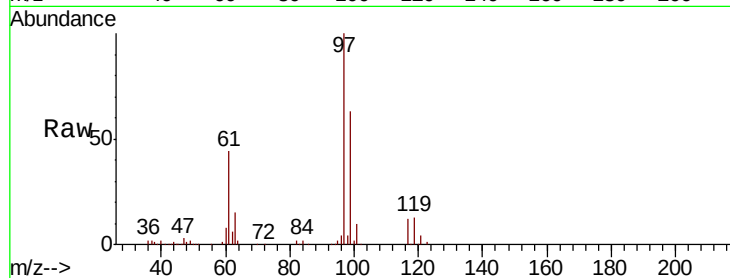
Tgt Ion: 97 Resp: 128960

Ion Ratio Lower Upper

97 100

99 63.9 50.5 75.7

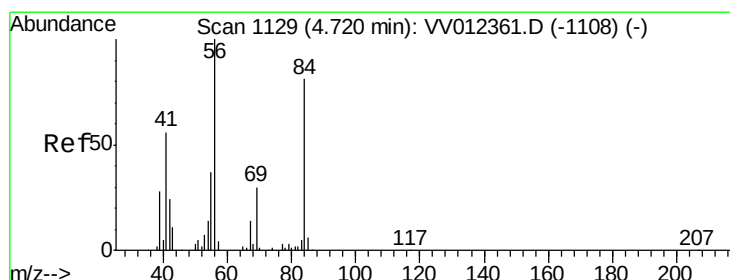
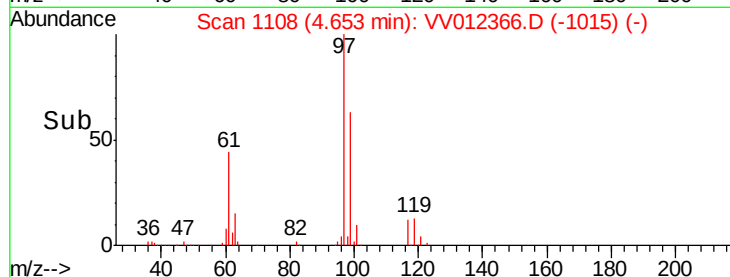
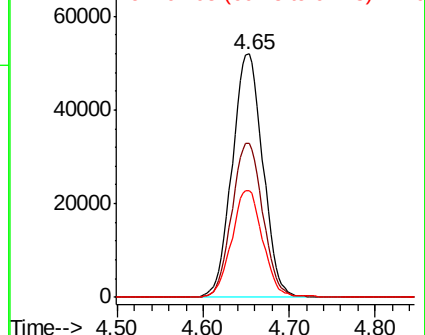
61 44.7 35.4 53.2



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: 5.390 ug/L

RT: 4.72 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VV012366.D

Acq: 23 Aug 2019 15:41

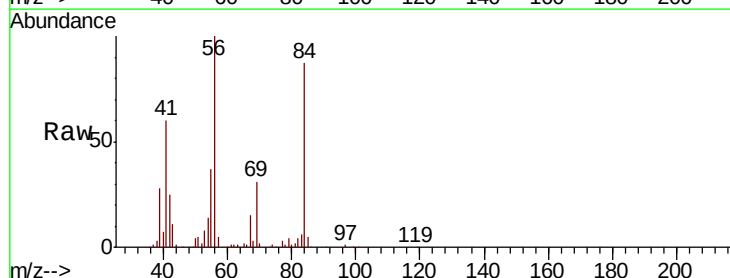
Tgt Ion: 56 Resp: 130760

Ion Ratio Lower Upper

56 100

69 30.4 24.0 36.0

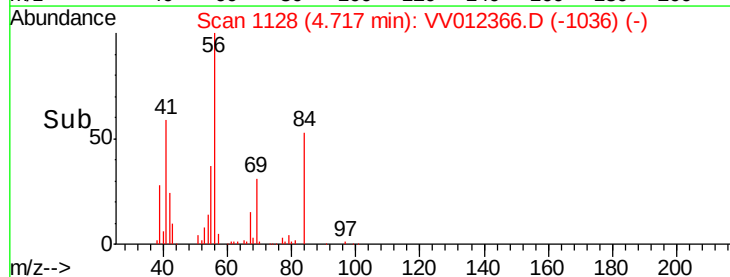
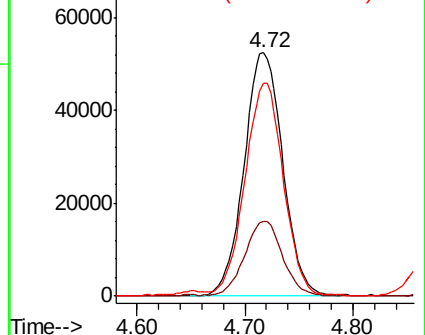
84 85.8 67.9 101.9

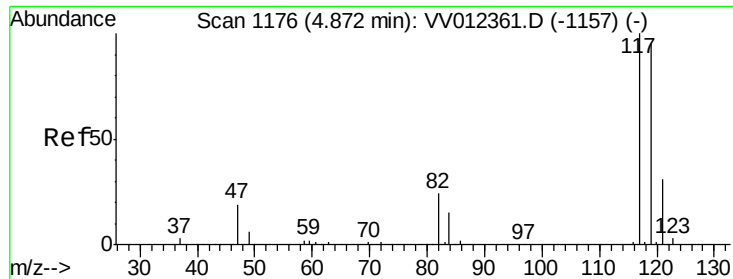


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.499 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV012366.D

Acq: 23 Aug 2019 15:41

Instrument :

MSVOA_V

ClientSampled :

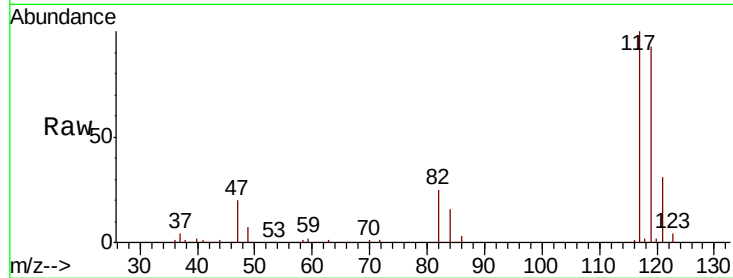
VICV33

Tgt Ion:117 Resp: 114195

Ion Ratio Lower Upper

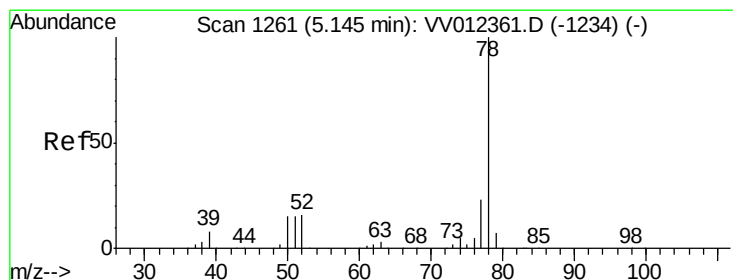
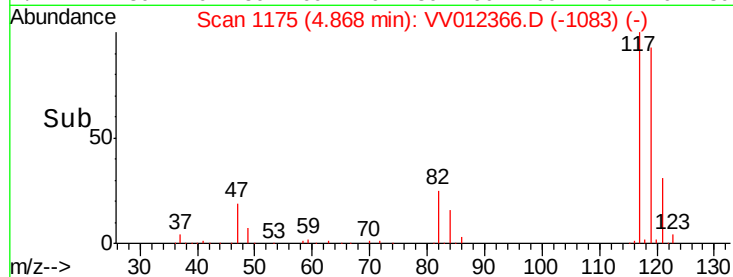
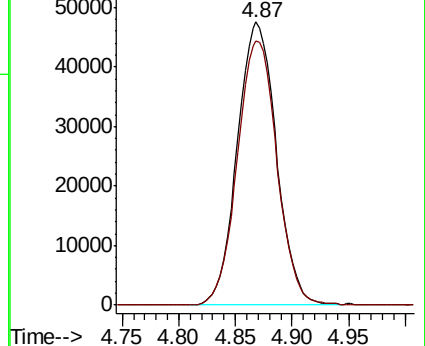
117 100

119 94.9 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.570 ug/L

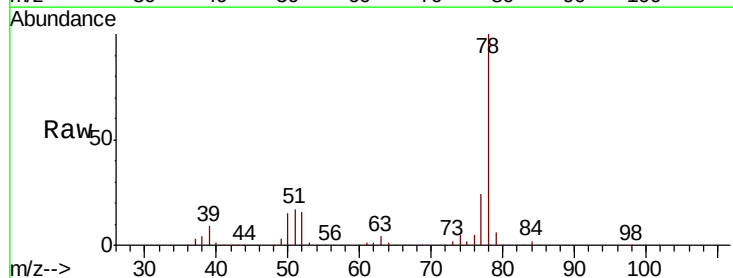
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

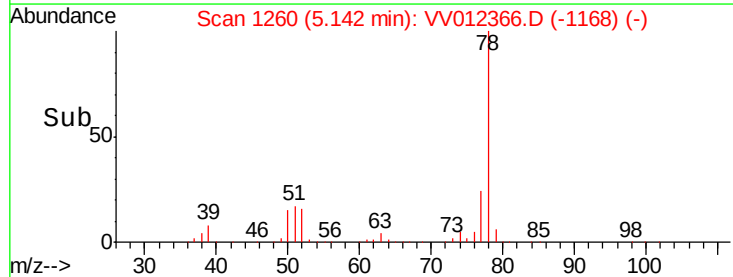
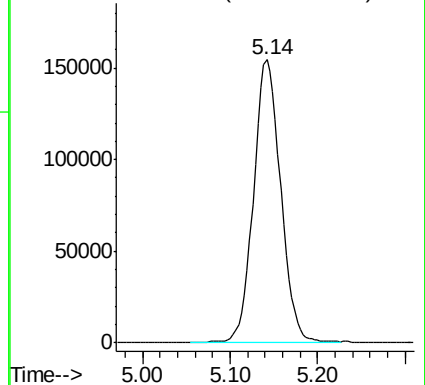
Lab File: VV012366.D

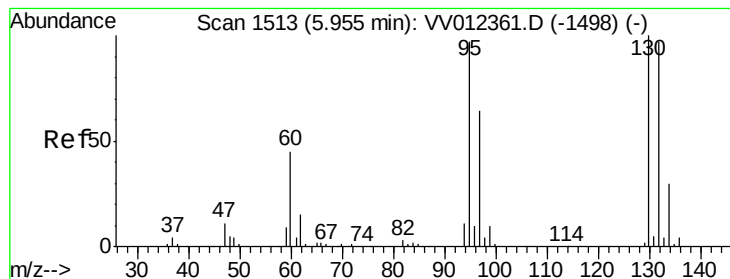
Acq: 23 Aug 2019 15:41

Tgt Ion: 78 Resp: 333824



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.386 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV012366.D

Acq: 23 Aug 2019 15:41

Instrument :

MSVOA_V

ClientSampleId :

VICV33

Tgt Ion: 95 Resp: 87125

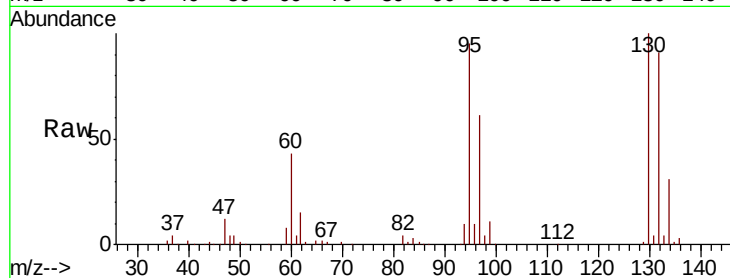
Ion Ratio Lower Upper

95 100

97 63.6 46.3 86.1

132 94.9 70.3 130.7

130 104.7 72.4 134.5

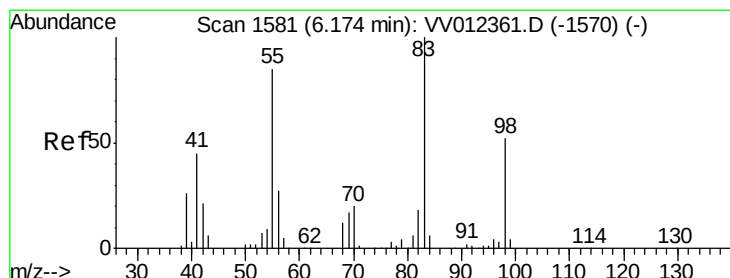
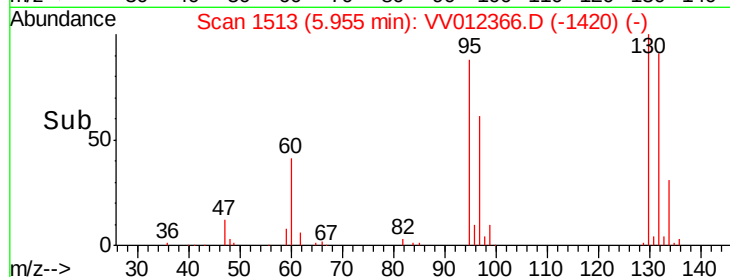
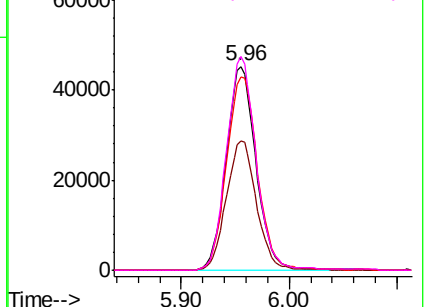


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 5.239 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV012366.D

Acq: 23 Aug 2019 15:41

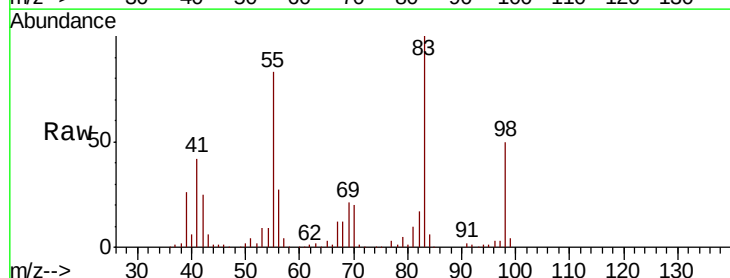
Tgt Ion: 83 Resp: 133105

Ion Ratio Lower Upper

83 100

55 81.6 64.6 97.0

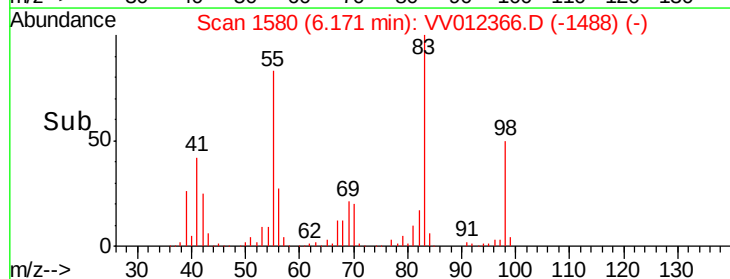
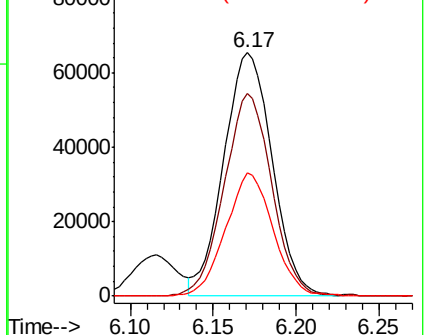
98 49.7 39.0 58.4

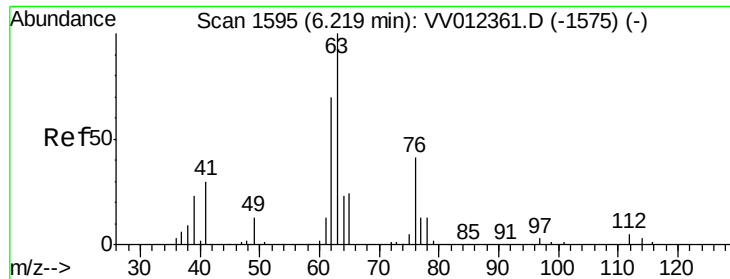


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

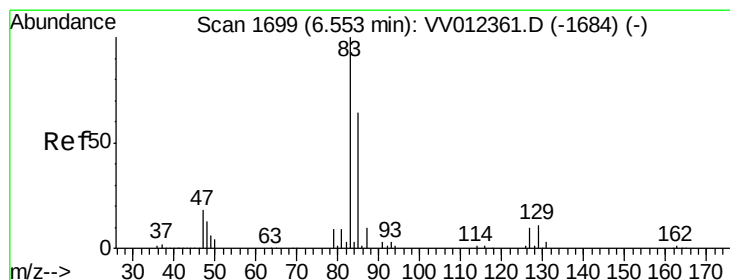
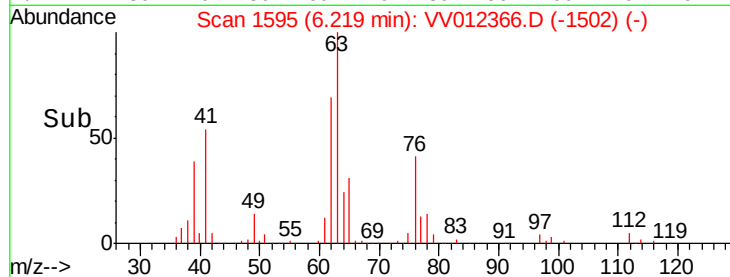
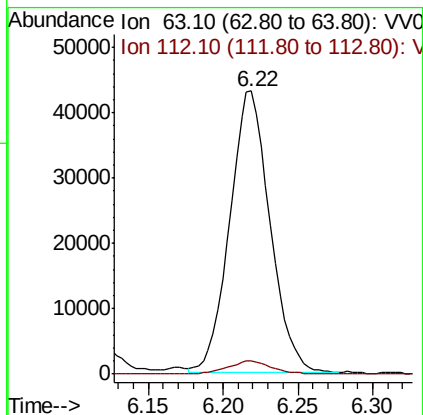
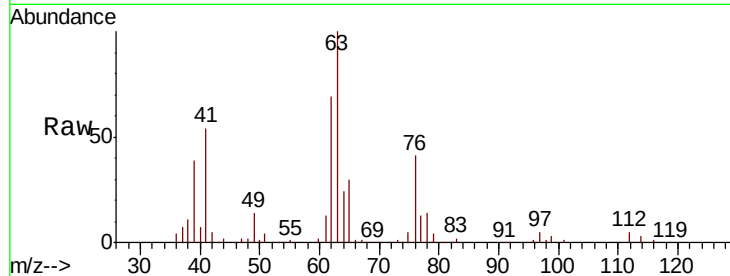




#37
 1,2-Dichloropropane
 Concen: 5.276 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV012366.D
 Acq: 23 Aug 2019 15:41

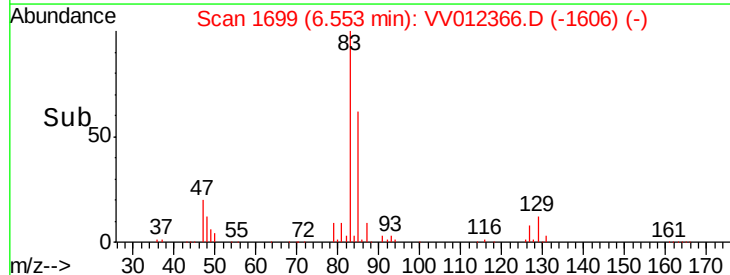
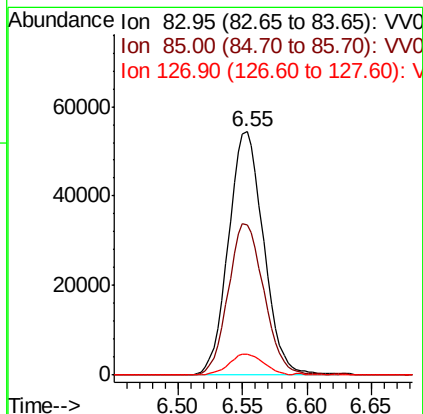
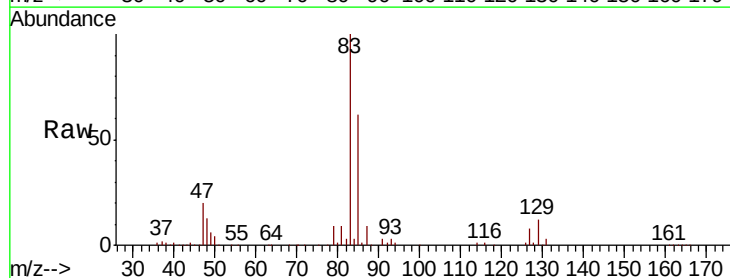
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV33

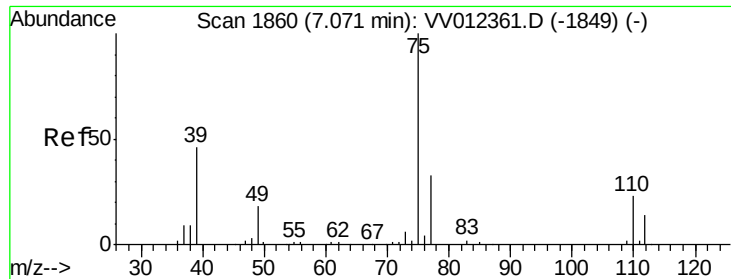
Tgt Ion: 63 Resp: 80136
 Ion Ratio Lower Upper
 63 100
 112 5.1 4.2 6.2



#38
 Bromodichloromethane
 Concen: 5.508 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV012366.D
 Acq: 23 Aug 2019 15:41

Tgt Ion: 83 Resp: 103192
 Ion Ratio Lower Upper
 83 100
 85 61.9 45.0 83.6
 127 8.4 7.7 11.5

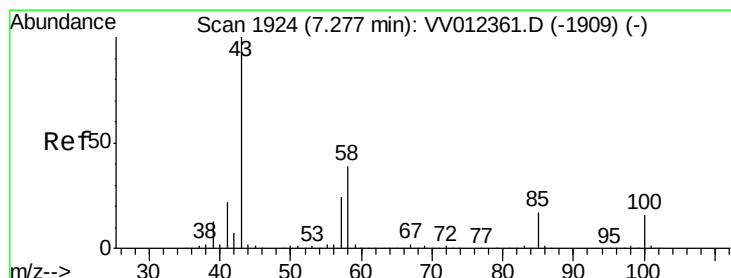
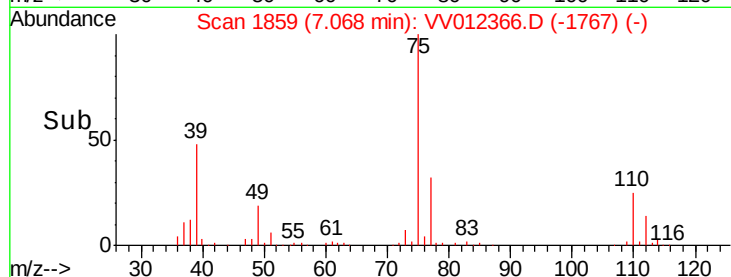
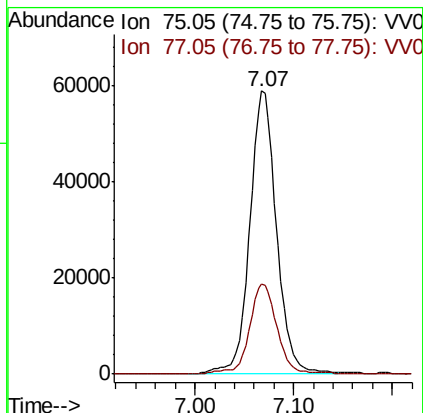
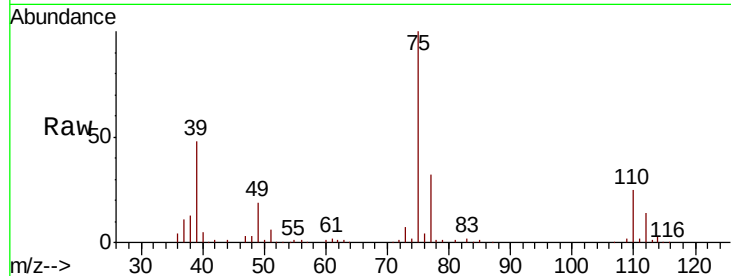




#39
 cis-1,3-Dichloropropene
 Concen: 5.376 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV012366.D
 Acq: 23 Aug 2019 15:41

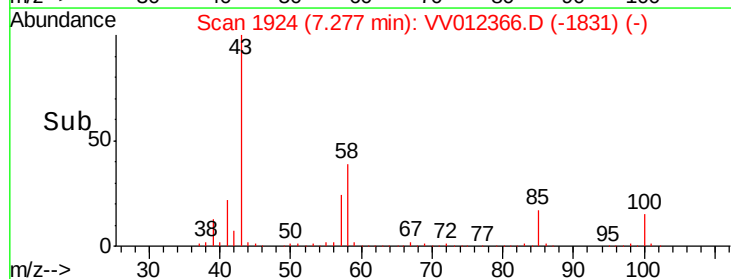
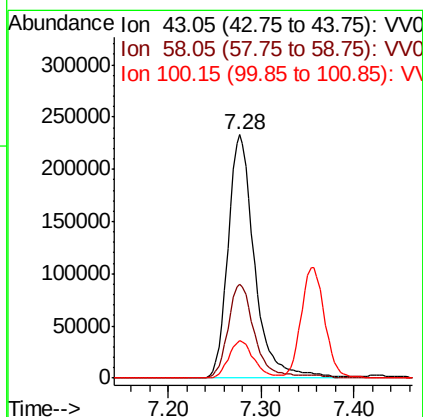
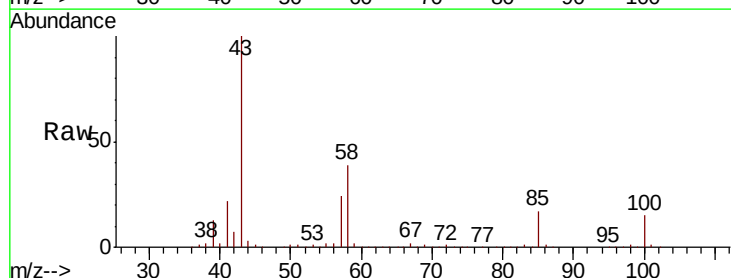
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV33

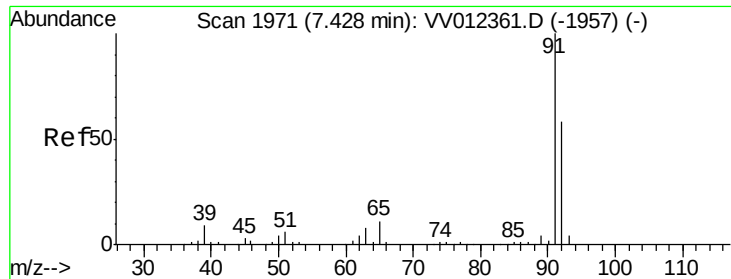
Tgt Ion: 75 Resp: 109767
 Ion Ratio Lower Upper
 75 100
 77 32.0 23.2 43.2



#40
 4-Methyl-2-pentanone
 Concen: 56.428 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV012366.D
 Acq: 23 Aug 2019 15:41

Tgt Ion: 43 Resp: 460364
 Ion Ratio Lower Upper
 43 100
 58 39.7 30.7 46.1
 100 14.7 11.8 17.6





#42

Toluene

Concen: 5.706 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV012366.D

Acq: 23 Aug 2019 15:41

Instrument :

MSVOA_V

ClientSampleId :

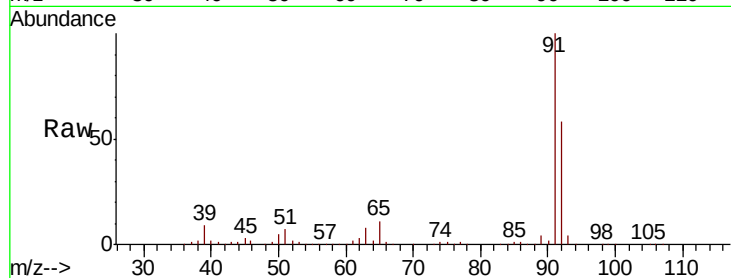
VICV33

Tgt Ion: 91 Resp: 349331

Ion Ratio Lower Upper

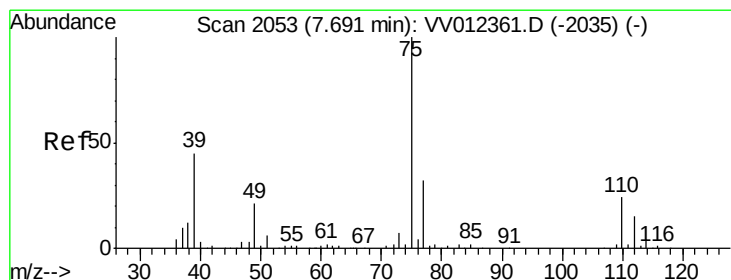
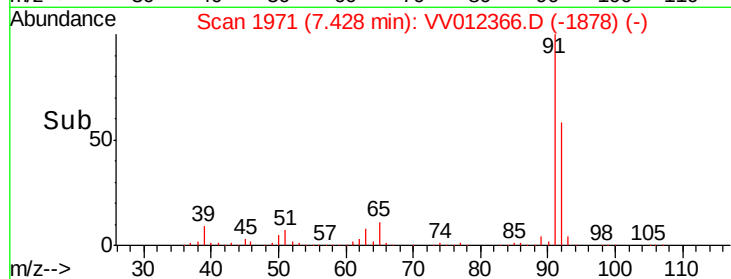
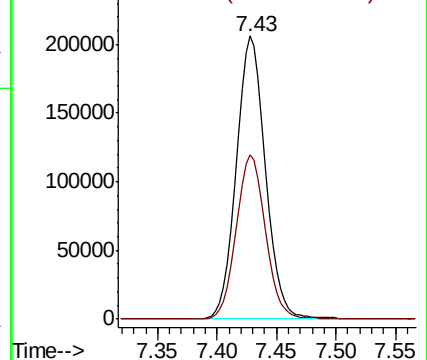
91 100

92 58.2 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 5.543 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV012366.D

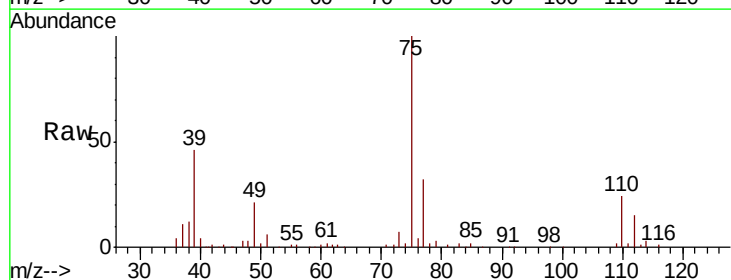
Acq: 23 Aug 2019 15:41

Tgt Ion: 75 Resp: 85607

Ion Ratio Lower Upper

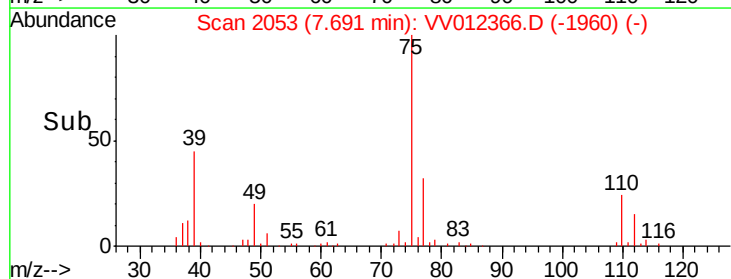
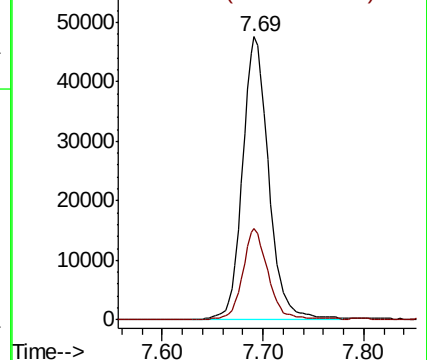
75 100

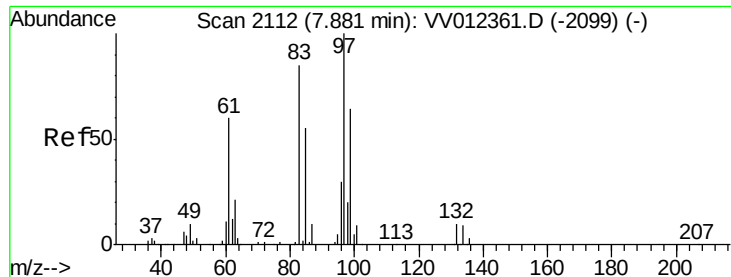
77 32.3 22.6 42.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

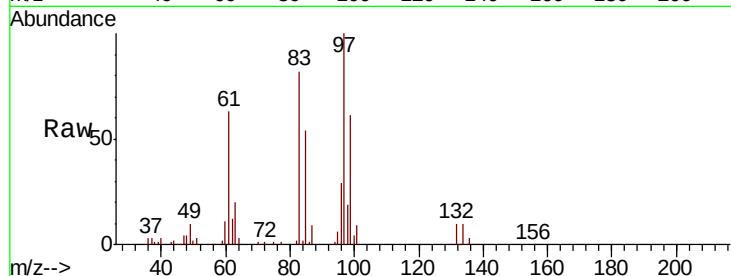




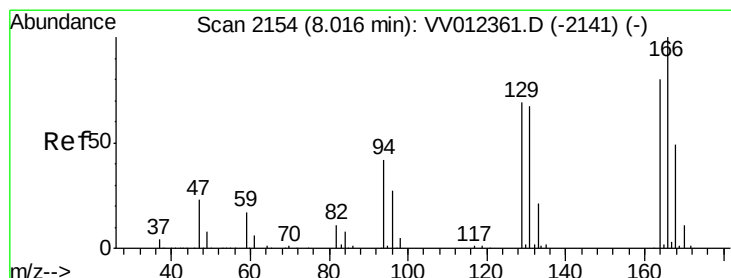
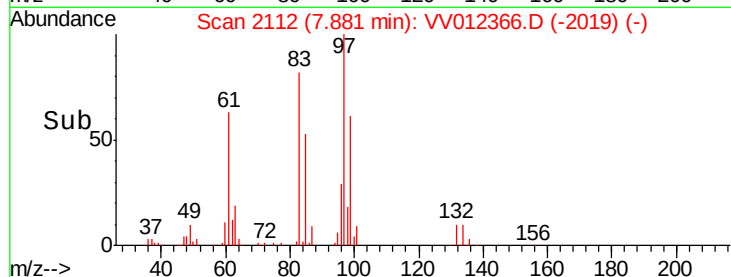
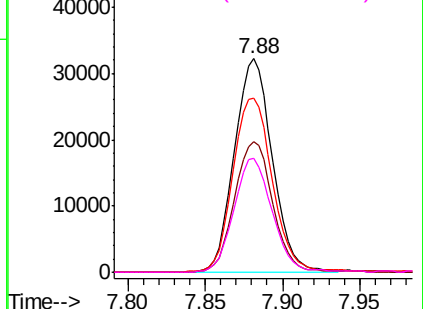
#45
 1,1,2-Trichloroethane
 Concen: 5.572 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV012366.D
 Acq: 23 Aug 2019 15:41

Instrument :
 MSVOA_V
 ClientSampleID :
 VICV33

Tgt Ion:	97	Resp:	54830
Ion	Ratio	Lower	Upper
97	100		
99	61.1	45.0	83.6
83	81.6	59.3	110.1
85	53.6	38.8	72.0

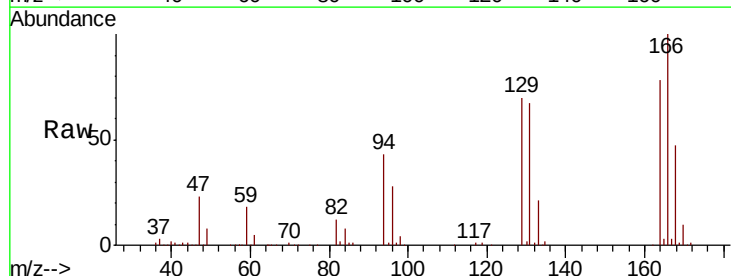


Abundance Ion 96.95 (96.65 to 97.65): VV012366.D (-2019) (-)
 Ion 99.05 (98.75 to 99.75): VV012366.D (-2019) (-)
 Ion 82.95 (82.65 to 83.65): VV012366.D (-2019) (-)
 Ion 85.00 (84.70 to 85.70): VV012366.D (-2019) (-)

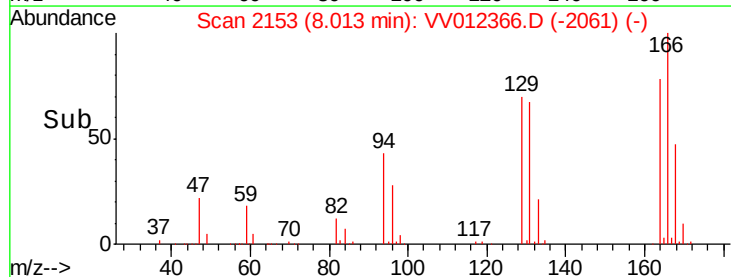
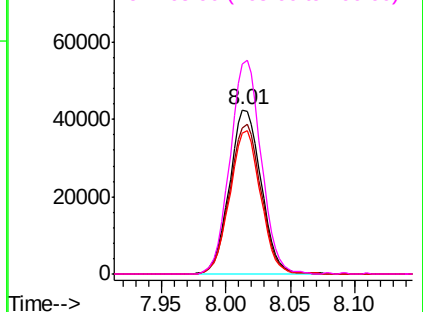


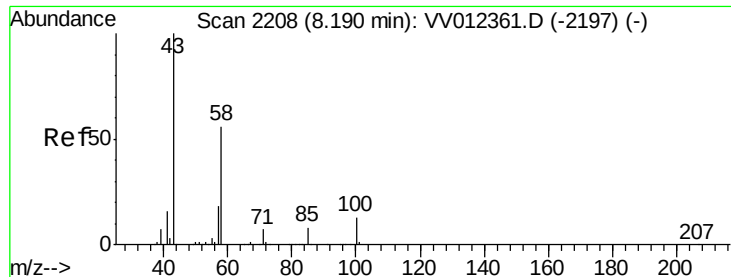
#47
 Tetrachloroethene
 Concen: 5.569 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VV012366.D
 Acq: 23 Aug 2019 15:41

Tgt Ion:	164	Resp:	72689
Ion	Ratio	Lower	Upper
164	100		
129	89.0	60.6	112.6
131	85.9	58.8	109.2
166	127.6	87.6	162.8



Abundance Ion 163.90 (163.60 to 164.60): VV012366.D (-2061) (-)
 Ion 128.95 (128.65 to 129.65): VV012366.D (-2061) (-)
 Ion 130.95 (130.65 to 131.65): VV012366.D (-2061) (-)
 Ion 165.90 (165.60 to 166.60): VV012366.D (-2061) (-)

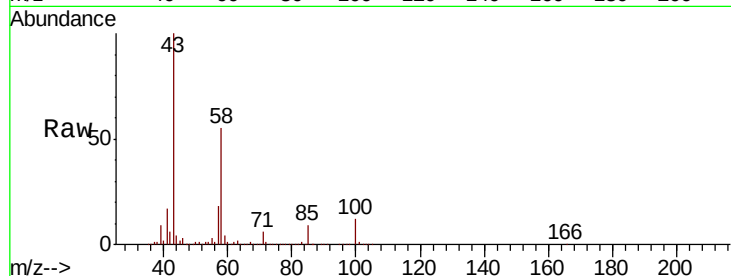




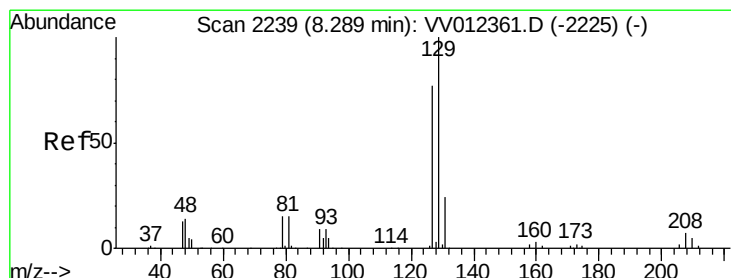
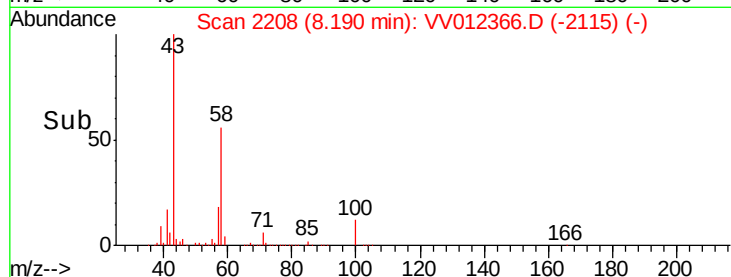
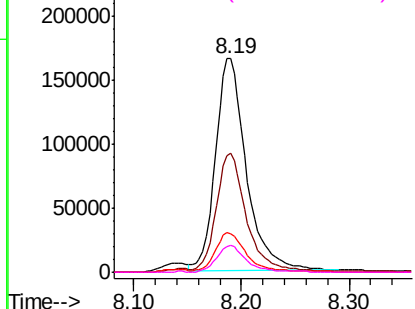
#48
2-Hexanone
Concen: 56.220 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV012366.D
Acq: 23 Aug 2019 15:41

Instrument :
MSVOA_V
ClientSampled :
VICV33

Tgt Ion:	43	Resp:	330027
Ion	Ratio	Lower	Upper
43	100		
58	54.1	46.3	69.5
57	18.3	14.9	22.3
100	11.9	9.7	14.5

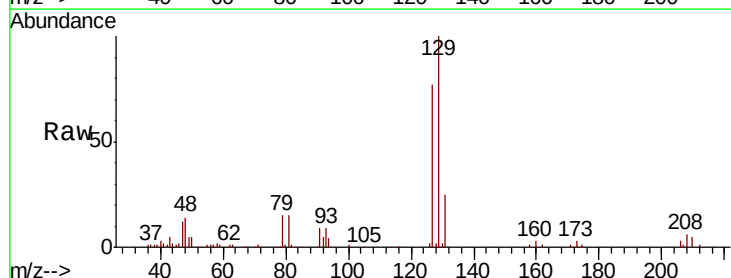


Abundance Ion 43.05 (42.75 to 43.75): VV012366.D (-2197) (-)
Ion 58.05 (57.75 to 58.75): VV012366.D (-2197) (-)
Ion 57.20 (56.90 to 57.90): VV012366.D (-2197) (-)
Ion 100.15 (99.85 to 100.85): VV012366.D (-2197) (-)

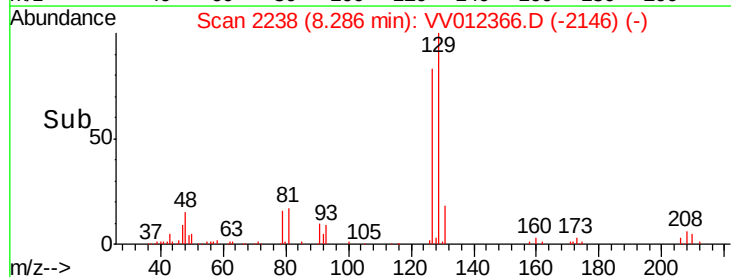
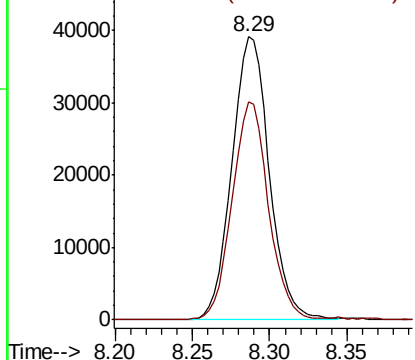


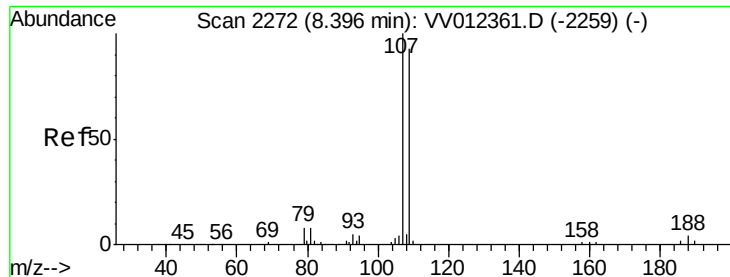
#49
Dibromochloromethane
Concen: 5.565 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV012366.D
Acq: 23 Aug 2019 15:41

Tgt Ion:	129	Resp:	65611
Ion	Ratio	Lower	Upper
129	100		
127	77.1	53.8	99.8



Abundance Ion 128.95 (128.65 to 129.65): VV012366.D (-2225) (-)
Ion 126.90 (126.60 to 127.60): VV012366.D (-2225) (-)

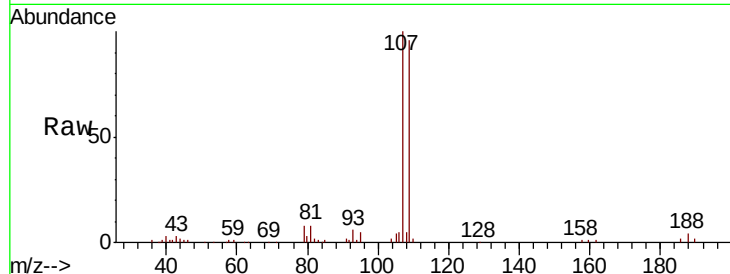




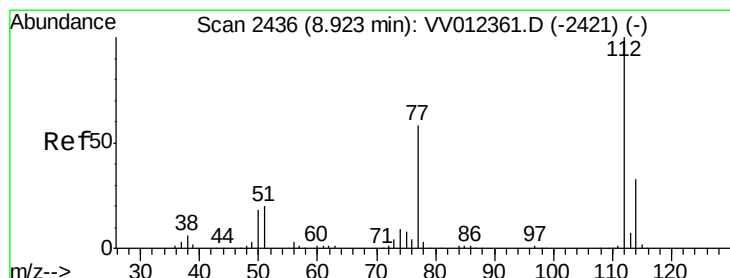
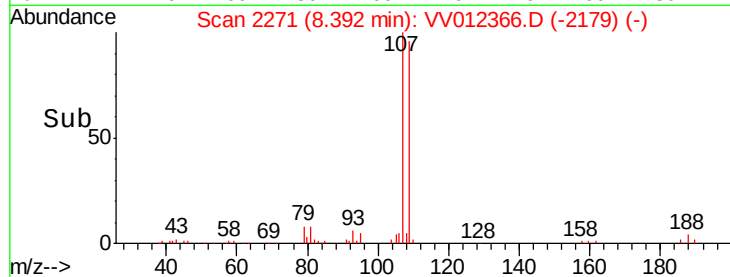
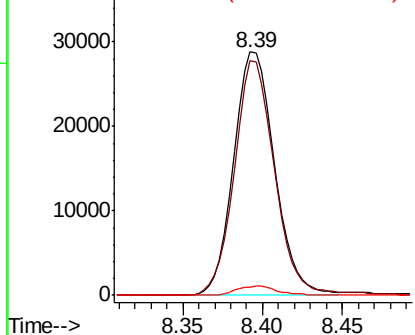
#50
1,2-Dibromoethane
Concen: 5.417 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV012366.D
Acq: 23 Aug 2019 15:41

Instrument :
MSVOA_V
ClientSampleId :
VICV33

Tgt Ion:107 Resp: 50391
Ion Ratio Lower Upper
107 100
109 96.3 64.9 120.5
188 3.6 3.5 5.3

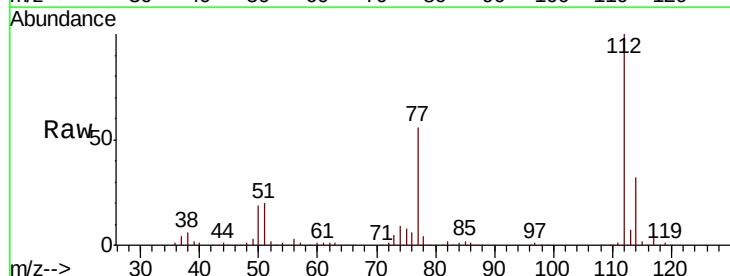


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

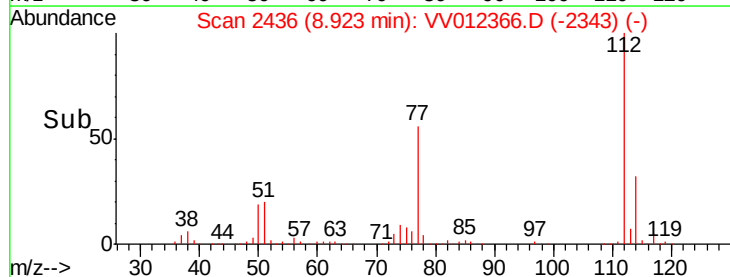
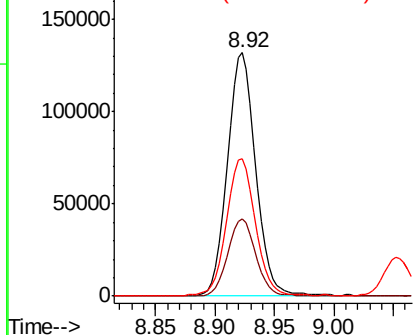


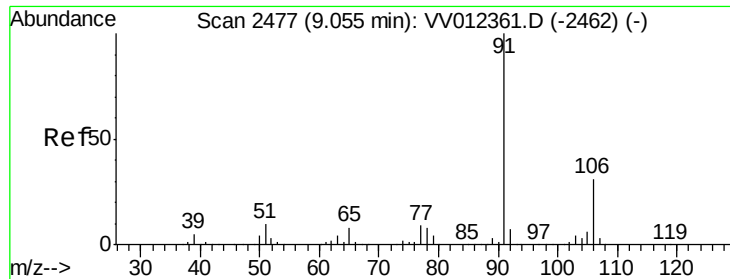
#51
Chlorobenzene
Concen: 5.446 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV012366.D
Acq: 23 Aug 2019 15:41

Tgt Ion:112 Resp: 217850
Ion Ratio Lower Upper
112 100
114 31.7 23.0 42.6
77 56.3 46.4 69.6



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.546 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV012366.D

Acq: 23 Aug 2019 15:41

Instrument :

MSVOA_V

ClientSampled :

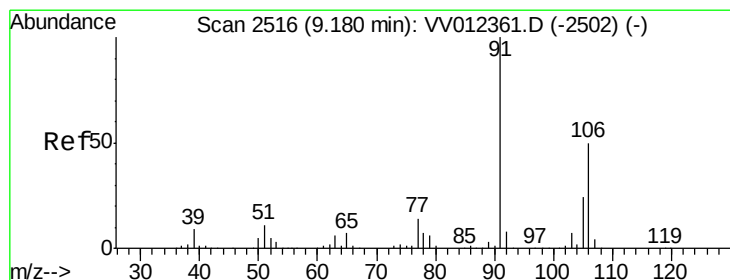
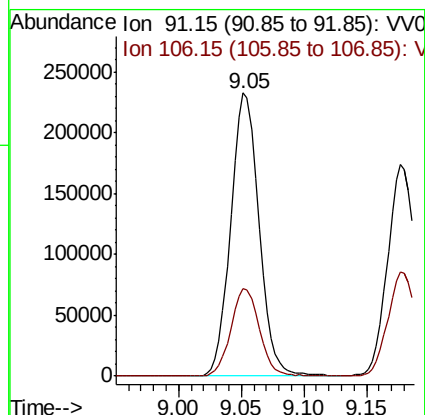
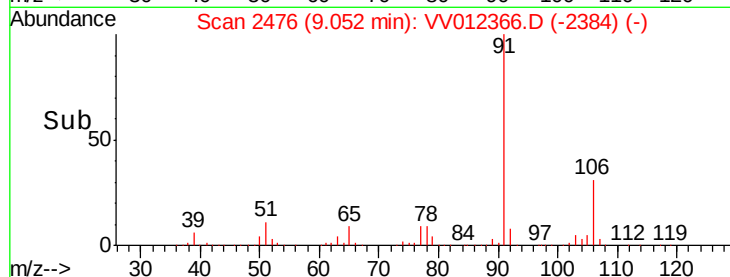
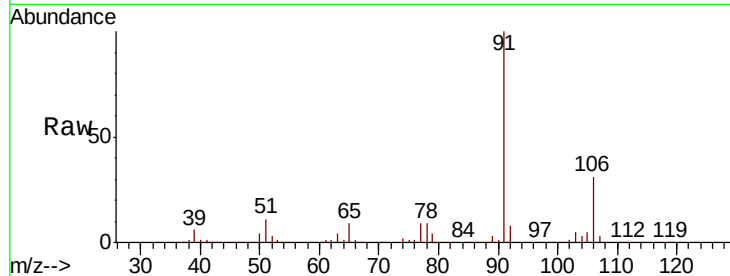
VICV33

Tgt Ion: 91 Resp: 365470

Ion Ratio Lower Upper

91 100

106 30.8 21.7 40.3



#53

m,p-xylene

Concen: 5.613 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV012366.D

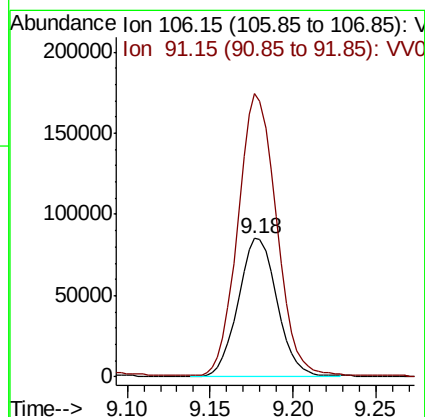
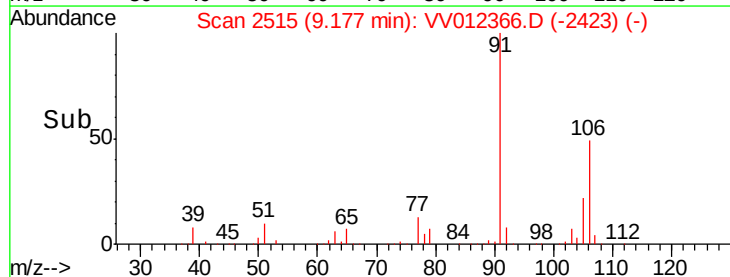
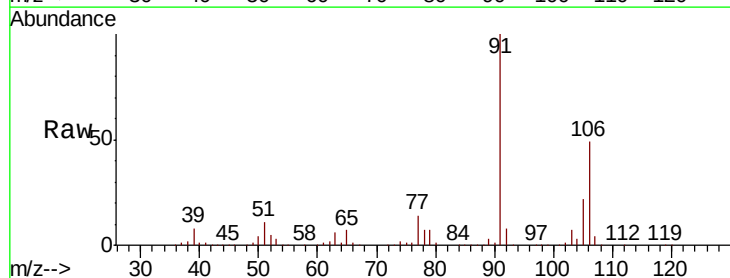
Acq: 23 Aug 2019 15:41

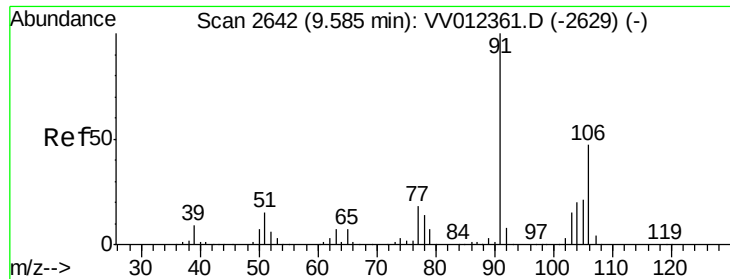
Tgt Ion: 106 Resp: 138666

Ion Ratio Lower Upper

106 100

91 204.3 140.8 261.4

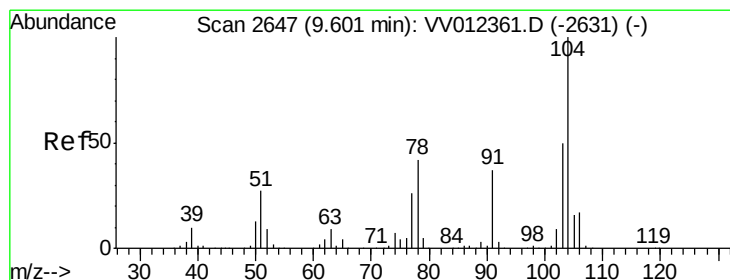
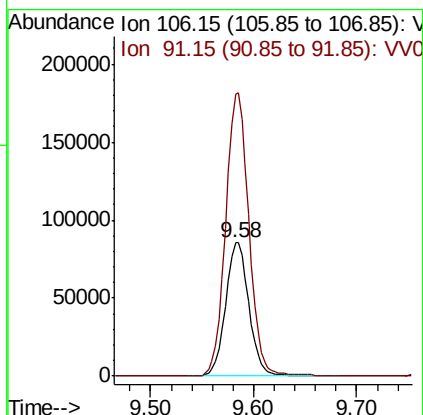
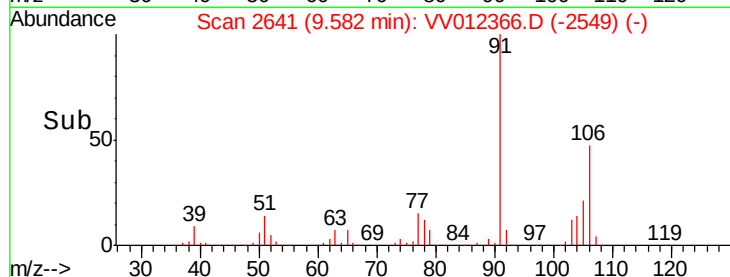
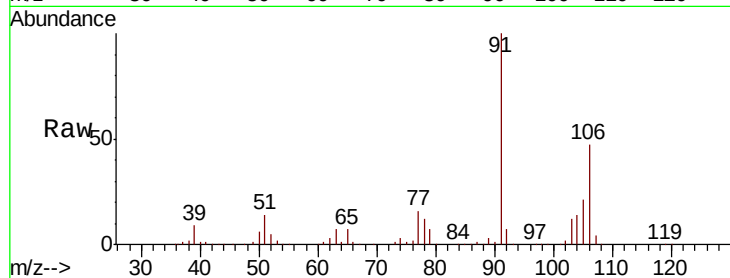




#54
o-xylene
Concen: 5.745 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV012366.D
Acq: 23 Aug 2019 15:41

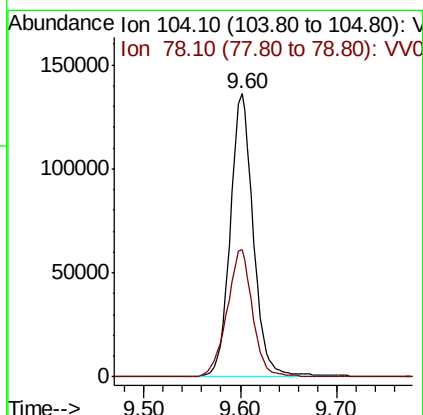
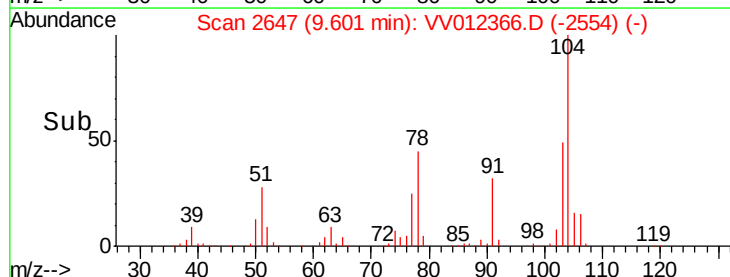
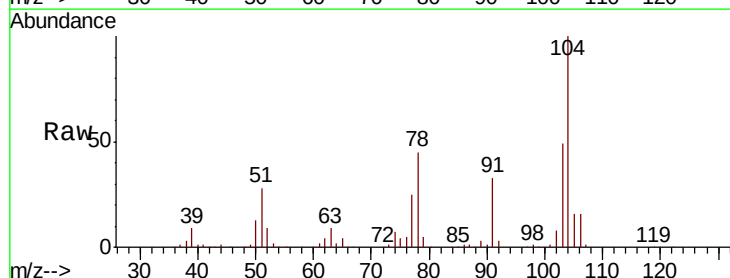
Instrument :
MSVOA_V
ClientSampleId :
VICV33

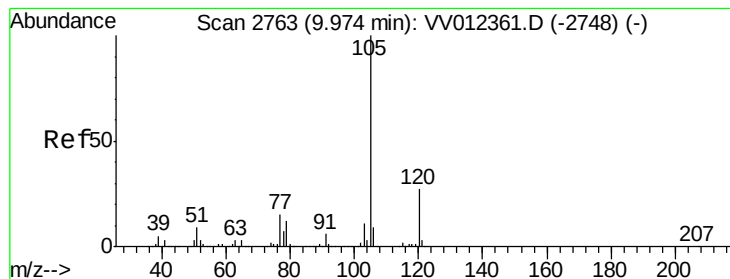
Tgt Ion:106 Resp: 135065
Ion Ratio Lower Upper
106 100
91 211.8 149.5 277.7



#55
Styrene
Concen: 5.749 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV012366.D
Acq: 23 Aug 2019 15:41

Tgt Ion:104 Resp: 226129
Ion Ratio Lower Upper
104 100
78 45.2 29.8 55.3





#56

Isopropylbenzene

Concen: 5.661 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV012366.D

Acq: 23 Aug 2019 15:41

Instrument :

MSVOA_V

ClientSampleId :

VICV33

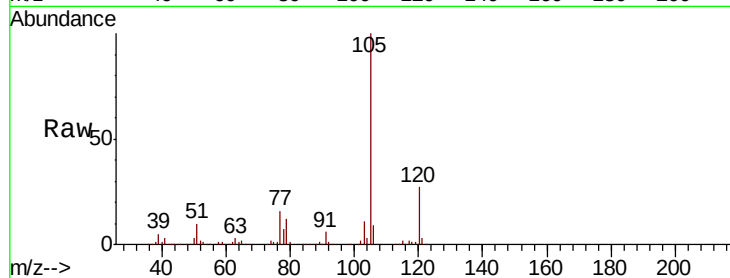
Tgt Ion: 105 Resp: 356186

Ion Ratio Lower Upper

105 100

120 26.9 21.5 32.3

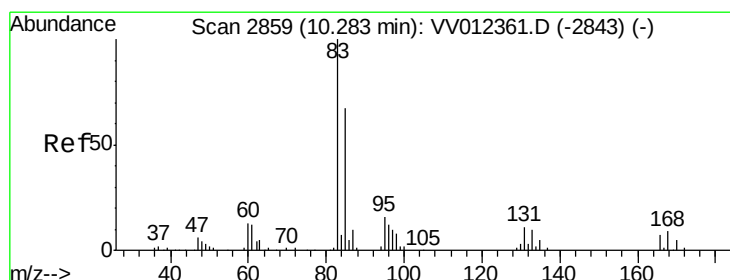
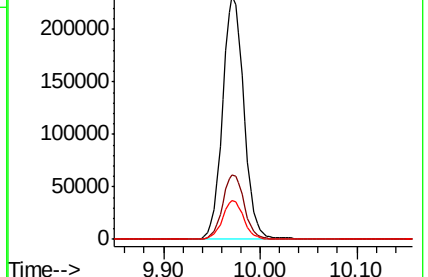
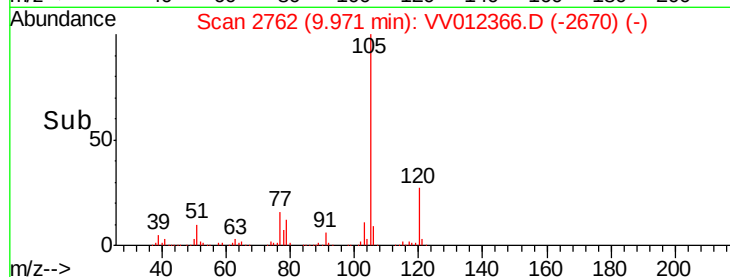
77 15.8 12.5 18.7



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: 5.471 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV012366.D

Acq: 23 Aug 2019 15:41

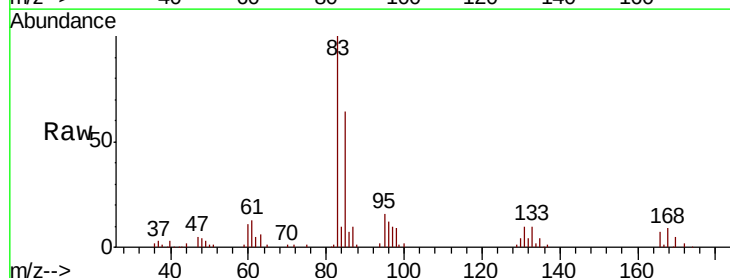
Tgt Ion: 83 Resp: 57789

Ion Ratio Lower Upper

83 100

85 64.1 46.5 86.5

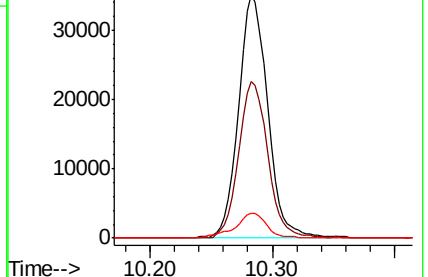
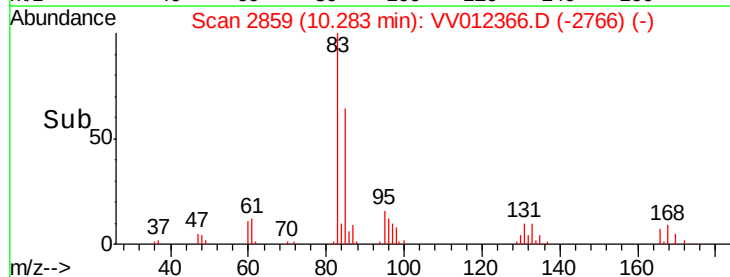
131 10.2 8.9 13.3

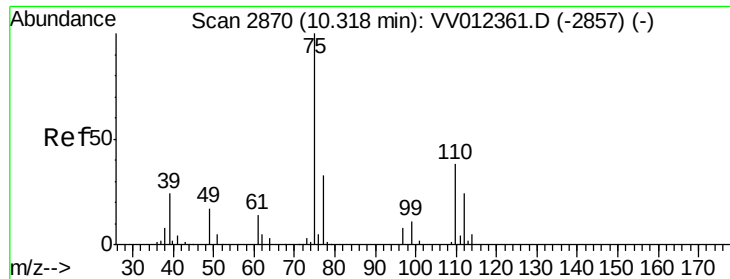


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.418 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV012366.D

Acq: 23 Aug 2019 15:41

Instrument :

MSVOA_V

ClientSampleId :

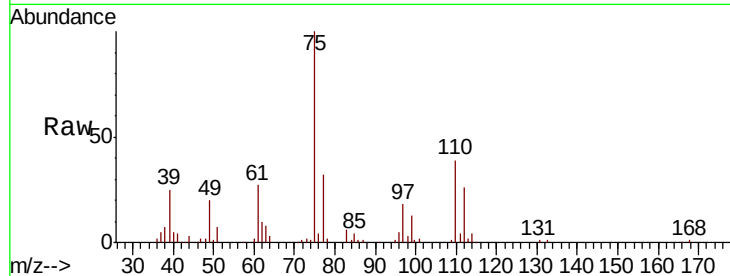
VICV33

Tgt Ion: 75 Resp: 45200

Ion Ratio Lower Upper

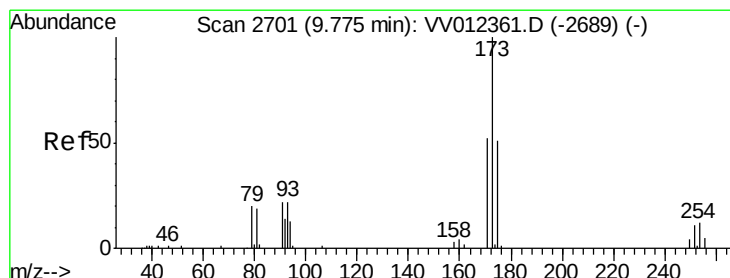
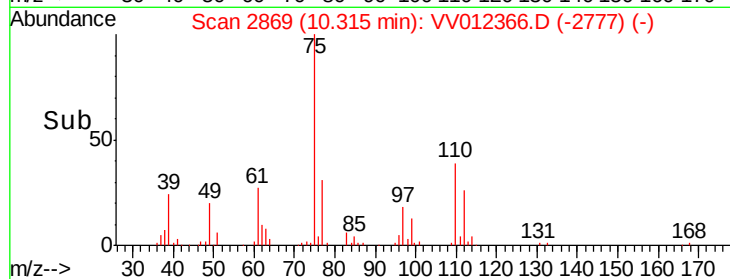
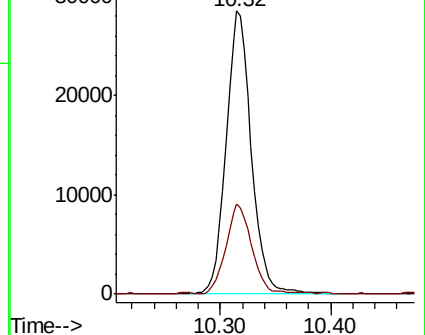
75 100

77 32.0 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV012361.D (-2857) (-)

Ion 77.00 (76.70 to 77.70): VV012361.D (-2857) (-)



#61

Bromoform

Concen: 5.241 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VV012366.D

Acq: 23 Aug 2019 15:41

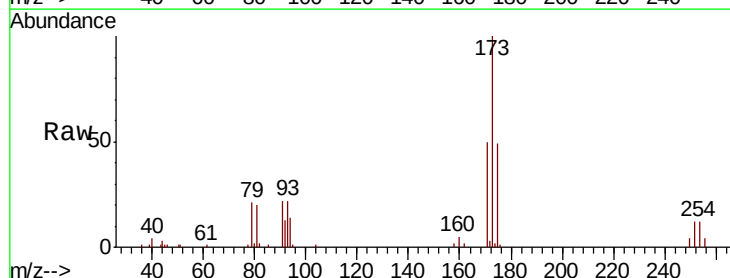
Tgt Ion: 173 Resp: 34910

Ion Ratio Lower Upper

173 100

175 49.8 40.7 61.1

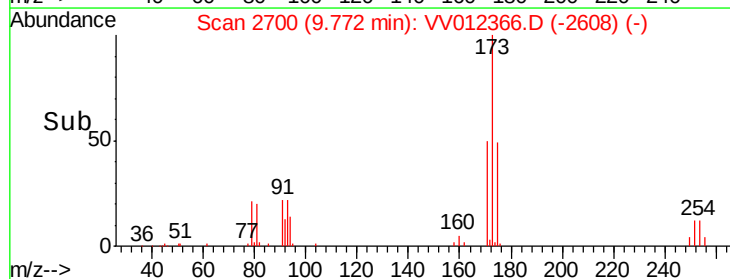
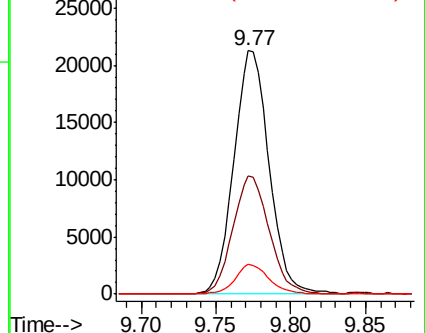
254 11.7 9.5 14.3

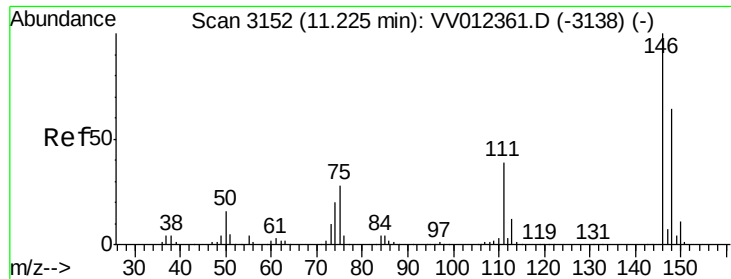


Abundance Ion 172.90 (172.60 to 173.60): VV012361.D (-2689) (-)

Ion 174.90 (174.60 to 175.60): VV012361.D (-2689) (-)

Ion 253.75 (253.45 to 254.45): VV012361.D (-2689) (-)





#62

1,3-Dichlorobenzene

Concen: 5.384 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012366.D

Acq: 23 Aug 2019 15:41

Instrument :

MSVOA_V

ClientSampleId :

VICV33

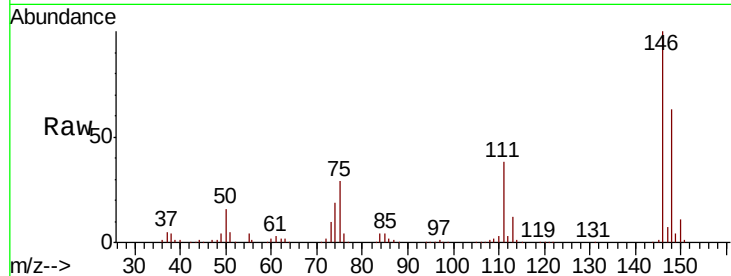
Tgt Ion:146 Resp: 169747

Ion Ratio Lower Upper

146 100

111 38.3 27.0 50.2

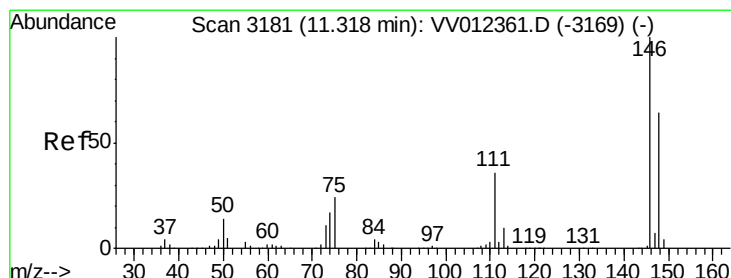
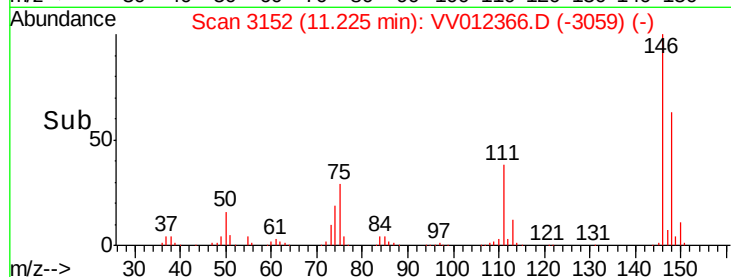
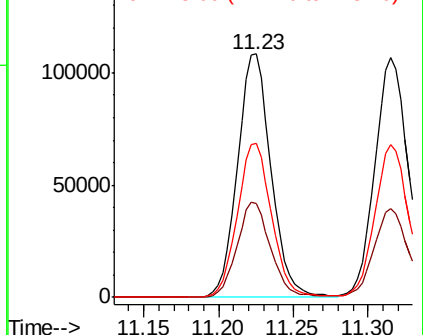
148 63.1 44.7 83.1



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



#63

1,4-Dichlorobenzene

Concen: 5.324 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV012366.D

Acq: 23 Aug 2019 15:41

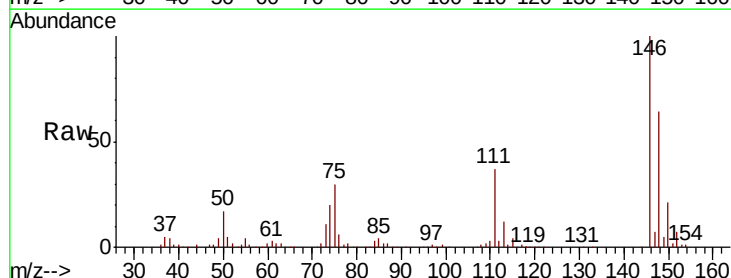
Tgt Ion:146 Resp: 168130

Ion Ratio Lower Upper

146 100

111 37.1 25.7 47.7

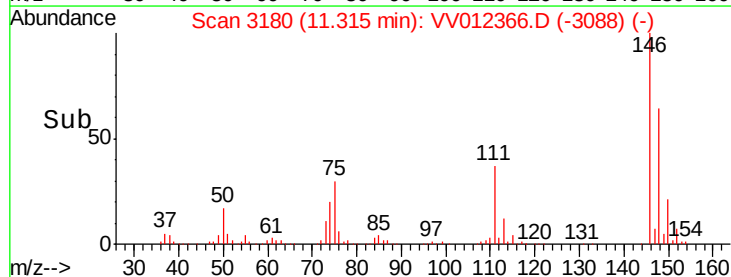
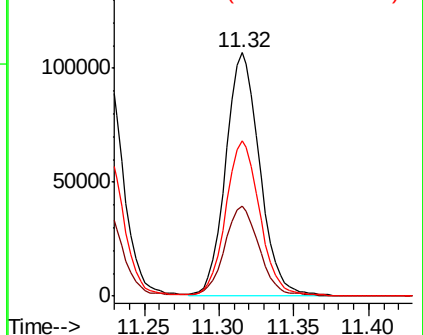
148 63.7 45.0 83.6

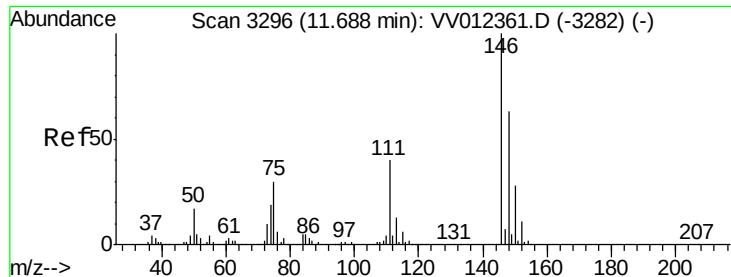


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.491 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012366.D

Acq: 23 Aug 2019 15:41

Instrument :

MSVOA_V

ClientSampleId :

VICV33

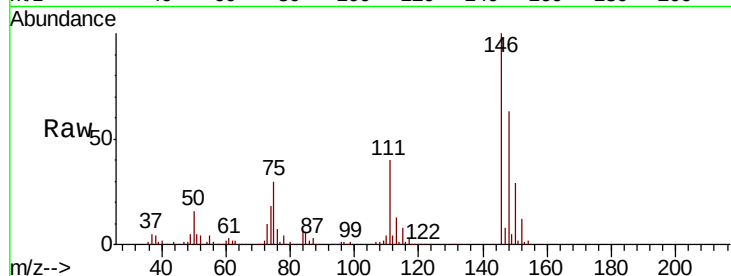
Tgt Ion:146 Resp: 159202

Ion Ratio Lower Upper

146 100

111 39.8 31.9 47.9

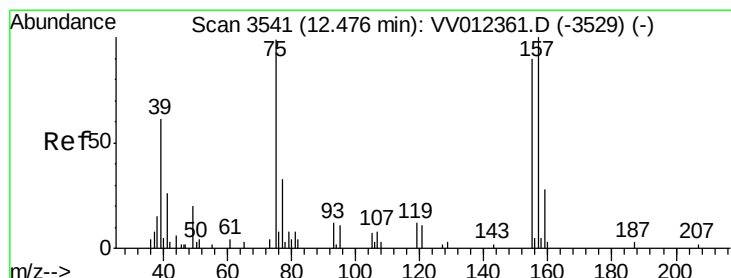
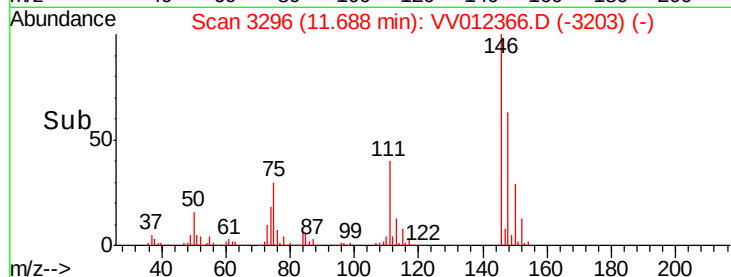
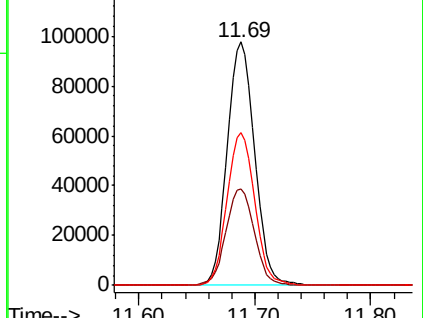
148 63.0 50.2 75.4



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: 4.974 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV012366.D

Acq: 23 Aug 2019 15:41

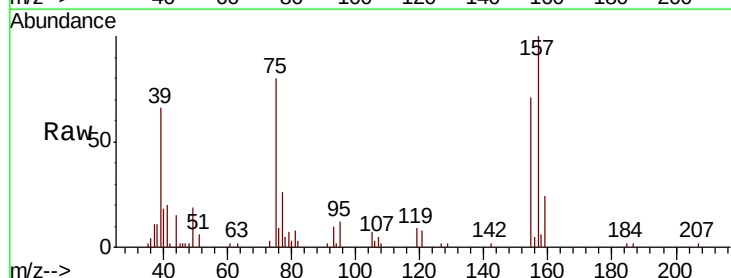
Tgt Ion: 75 Resp: 8268

Ion Ratio Lower Upper

75 100

155 88.5 72.6 109.0

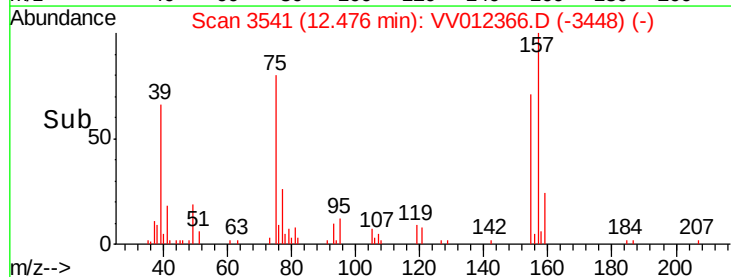
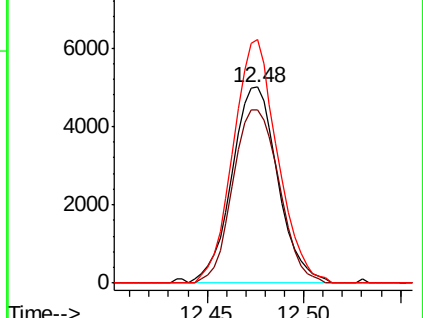
157 124.4 80.5 120.7#

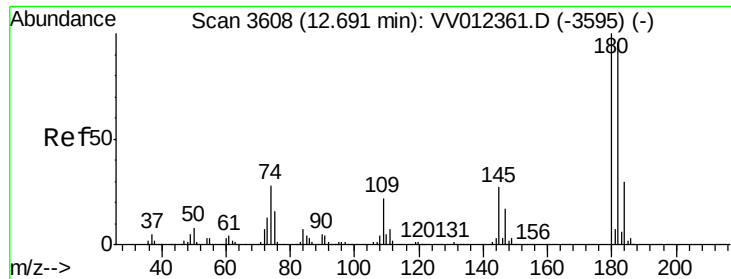


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

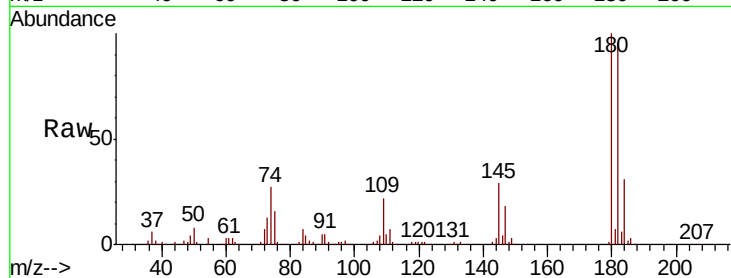




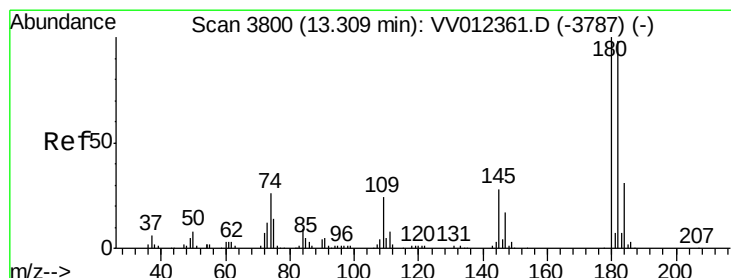
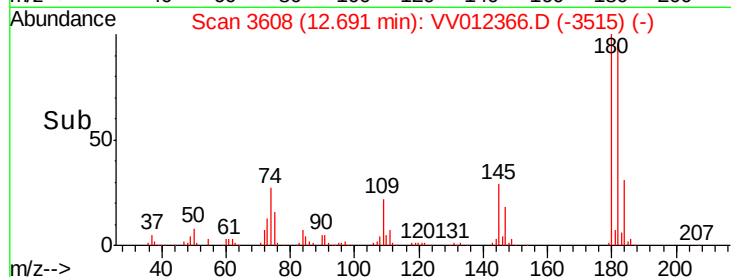
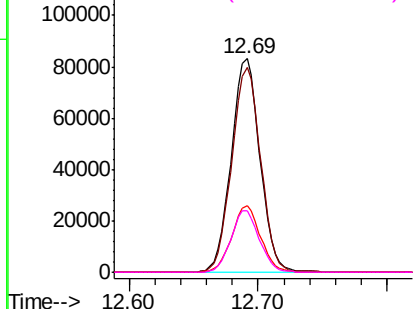
#67
 1,3,5-Trichlorobenzene
 Concen: 5.324 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012366.D
 Acq: 23 Aug 2019 15:41

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV33

Tgt Ion:	180	Resp:	128529
Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.4	114.6
184	31.1	23.9	35.9
145	28.5	22.1	33.1

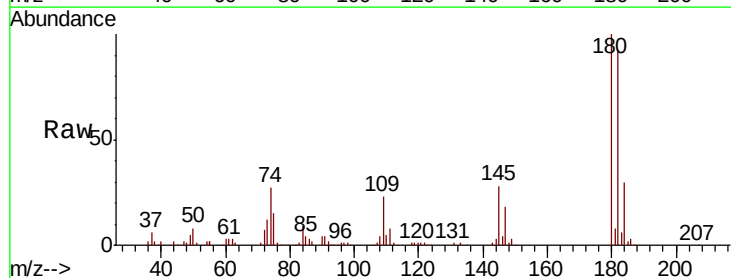


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

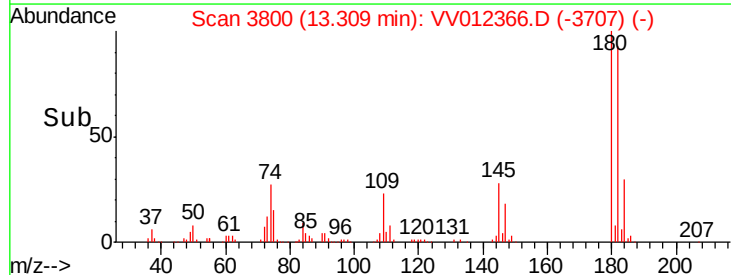
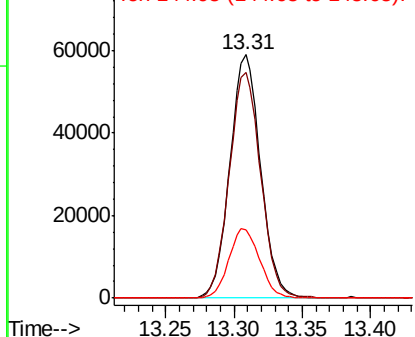


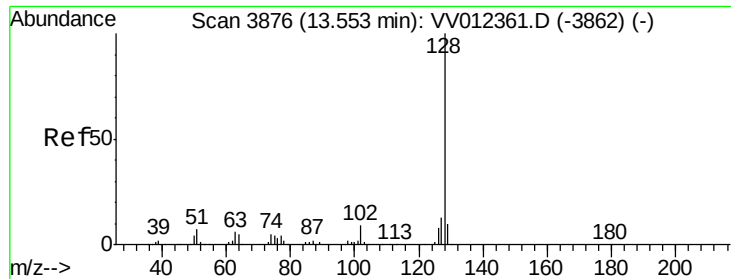
#68
 1,2,4-trichlorobenzene
 Concen: 5.495 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012366.D
 Acq: 23 Aug 2019 15:41

Tgt Ion:	180	Resp:	92447
Ion	Ratio	Lower	Upper
180	100		
182	94.8	77.3	115.9
145	28.6	22.6	34.0



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: 5.078 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV012366.D

Acq: 23 Aug 2019 15:41

Instrument :

MSVOA_V

ClientSampleId :

VICV33

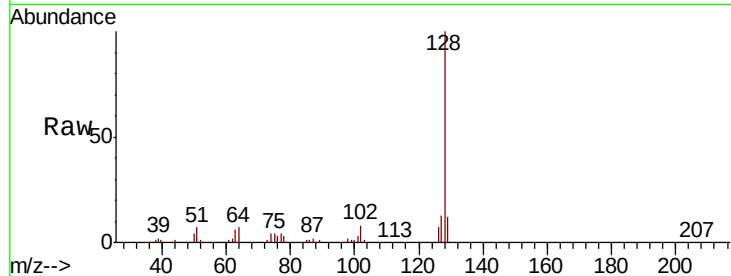
Tgt Ion:128 Resp: 118266

Ion Ratio Lower Upper

128 100

129 11.2 8.6 12.8

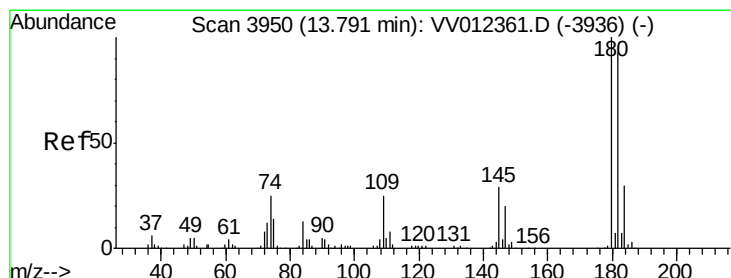
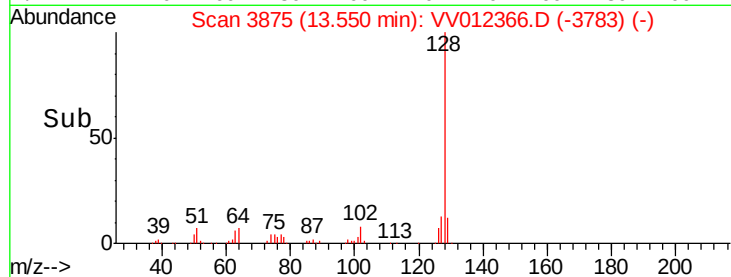
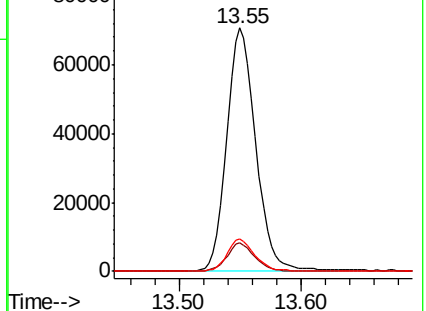
127 12.8 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.465 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012366.D

Acq: 23 Aug 2019 15:41

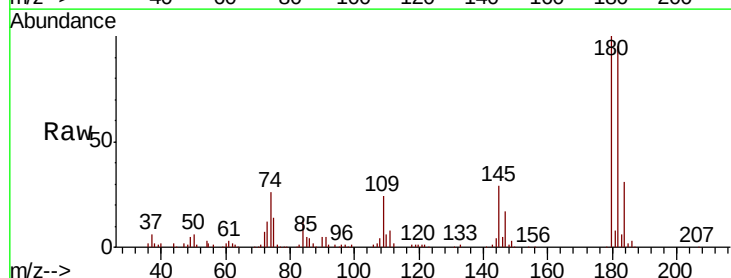
Tgt Ion:180 Resp: 86126

Ion Ratio Lower Upper

180 100

182 96.9 75.1 112.7

145 30.1 23.4 35.2



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

