

Data File : VV012436.D
Acq On : 28 Aug 2019 22:48
Operator : SY/MD
Sample : VSTDICV005
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV37

Quant Time: Aug 29 02:26:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Aug 29 02:14:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	244608	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	233682	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	117664	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	10324	4.76	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.20%
7) Chloroethane-d5	1.58	69	10818	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.80%
11) 1,1-Dichloroethene-d2	2.14	63	65539	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.40%
20) 2-Butanone-d5	3.97	46	190450	50.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.32%
24) Chloroform-d	4.40	84	107425	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	5.08	65	42473	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
32) Benzene-d6	5.10	84	129733	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.12	67	61830	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	7.36	98	135363	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
43) trans-1,3-Dichloropropene-	7.66	79	23535	4.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.20%
46) 2-Hexanone-d5	8.14	63	142089	51.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.66%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	64625	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	82168	4.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	163475	4.666 ug/L	97
3) Chloromethane	1.25	50	135730	4.794 ug/L	100
5) Vinyl chloride	1.32	62	125848	4.809 ug/L	100
6) Bromomethane	1.54	94	67793	4.932 ug/L	99
8) Chloroethane	1.60	64	66700	4.849 ug/L	99
9) Trichlorofluoromethane	1.77	101	175091	4.831 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	83418	4.775 ug/L	98
12) 1,1-Dichloroethene	2.14	96	78478	4.666 ug/L	93
13) Acetone	2.23	43	124232	45.516 ug/L	99
14) Carbon disulfide	2.32	76	240690	4.756 ug/L	99
15) Methyl Acetate	2.47	43	29739	4.554 ug/L	97
16) Methylene chloride	2.53	84	84270	4.657 ug/L	95
17) Methyl tert-butyl Ether	2.81	73	244011	4.832 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	112255	4.815 ug/L	96
19) 1,1-Dichloroethane	3.23	63	220014	4.808 ug/L	99
21) 2-Butanone	4.05	43	295799	51.602 ug/L	94
22) cis-1,2-Dichloroethene	3.96	96	121399	4.856 ug/L	97

Data File : VV012436.D
Acq On : 28 Aug 2019 22:48
Operator : SY/MD
Sample : VSTDICV005
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

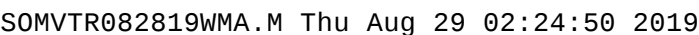
Instrument :
MSVOA_V
ClientSampleId :
VICV37

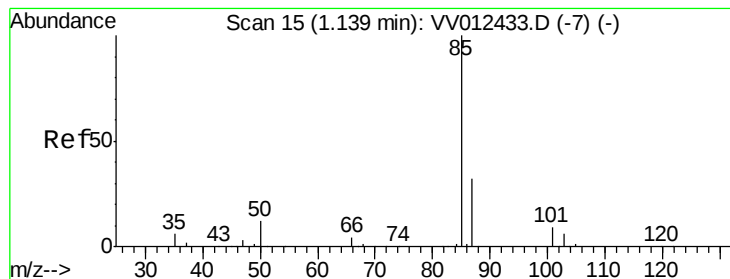
Quant Time: Aug 29 02:26:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Aug 29 02:14:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	51251	4.839	ug/L	95
25) Chloroform	4.42	83	218091	4.565	ug/L	99
27) 1,2-Dichloroethane	5.18	62	131200	4.874	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	183682	4.829	ug/L	98
30) Cyclohexane	4.72	56	198192	5.089	ug/L	99
31) Carbon tetrachloride	4.87	117	163531	4.867	ug/L	98
33) Benzene	5.14	78	479902	4.995	ug/L	100
34) Trichloroethene	5.96	95	119393	4.787	ug/L	99
35) Methylcyclohexane	6.17	83	193346	5.027	ug/L	99
37) 1,2-Dichloropropane	6.22	63	122413	5.004	ug/L	100
38) Bromodichloromethane	6.55	83	151276	4.806	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	161763	5.013	ug/L	96
40) 4-Methyl-2-pentanone	7.28	43	730760	52.497	ug/L	100
42) Toluene	7.43	91	501320	5.076	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	123698	4.936	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	78494	4.780	ug/L	99
47) Tetrachloroethene	8.02	164	98826	4.838	ug/L	99
48) 2-Hexanone	8.19	43	519546	54.238	ug/L	100
49) Dibromochloromethane	8.29	129	96572	4.956	ug/L	95
50) 1,2-Dibromoethane	8.40	107	73882	4.996	ug/L	96
51) Chlorobenzene	8.92	112	311134	4.899	ug/L	97
52) Ethylbenzene	9.05	91	546121	5.121	ug/L	99
53) m,p-xylene	9.18	106	207062	5.206	ug/L	97
54) o-xylene	9.59	106	197406	5.153	ug/L	99
55) Styrene	9.60	104	344535	5.378	ug/L	100
56) Isopropylbenzene	9.97	105	528707	5.209	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	95957	4.894	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	68957	4.925	ug/L	100
61) Bromoform	9.77	173	51381	4.610	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	243380	4.844	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	241936	4.816	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	223854	4.770	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	14860	4.544	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	185980	4.779	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	145092	4.788	ug/L	100
69) Naphthalene	13.55	128	220824	4.702	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	140599	4.837	ug/L	100

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

Quant Time: Aug 29 02:26:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Aug 29 02:14:42 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.666 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012436.D

Acq: 28 Aug 2019 22:48

Instrument :

MSVOA_V

ClientSampleId :

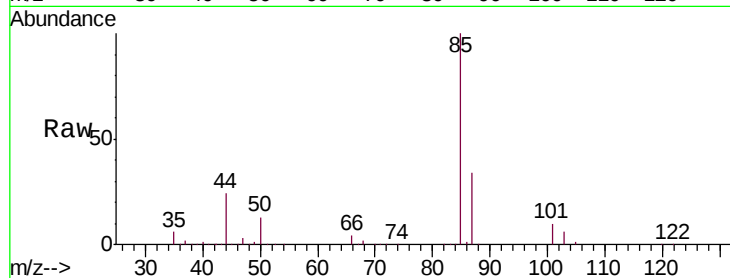
VICV37

Tgt Ion: 85 Resp: 163475

Ion Ratio Lower Upper

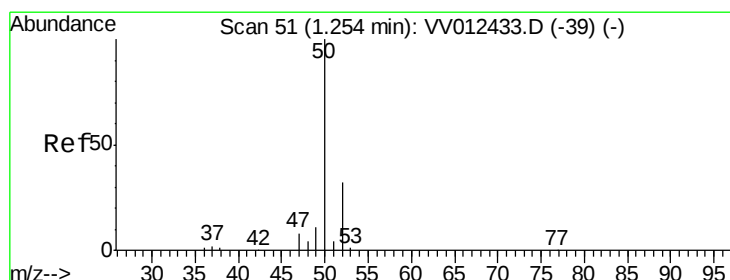
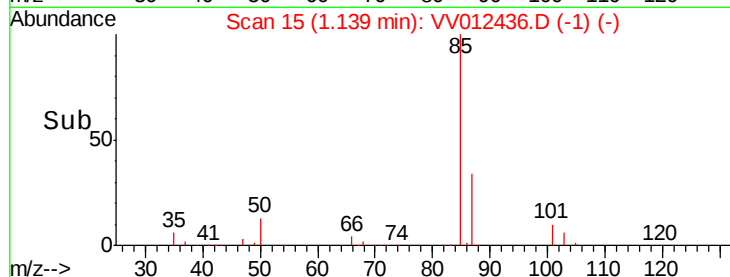
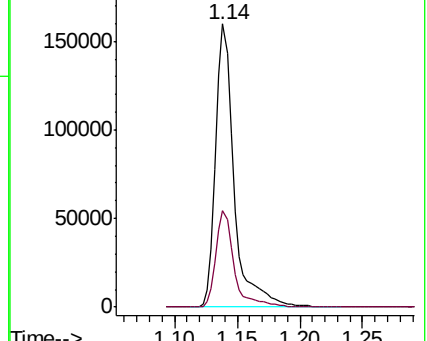
85 100

87 33.6 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.794 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV012436.D

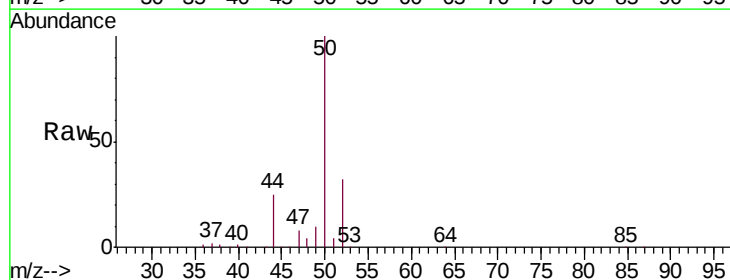
Acq: 28 Aug 2019 22:48

Tgt Ion: 50 Resp: 135730

Ion Ratio Lower Upper

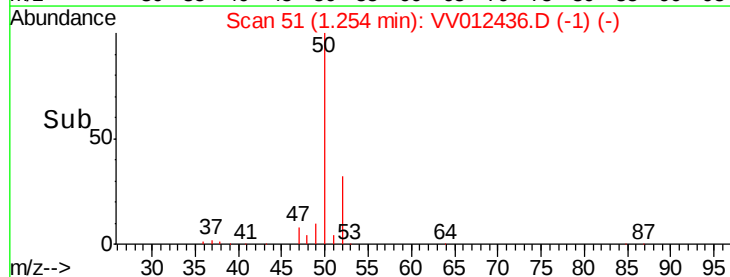
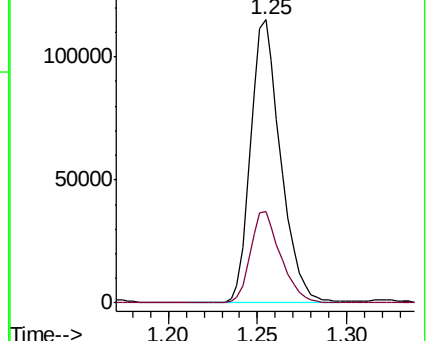
50 100

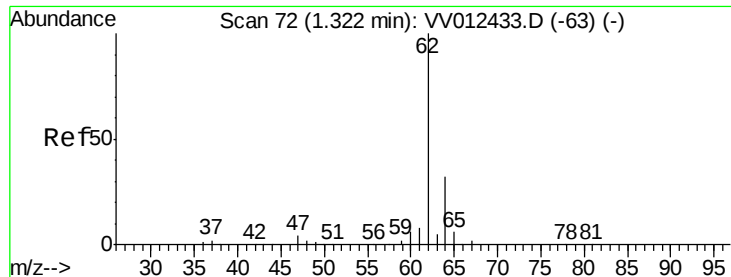
52 32.1 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.809 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012436.D

Acq: 28 Aug 2019 22:48

Instrument :

MSVOA_V

ClientSampled :

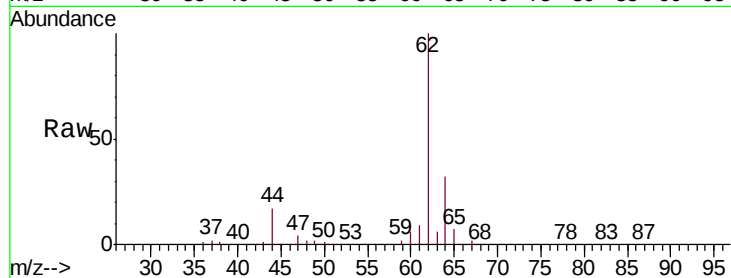
VICV37

Tgt Ion: 62 Resp: 125848

Ion Ratio Lower Upper

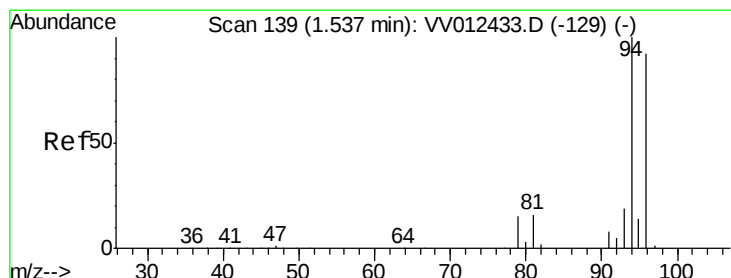
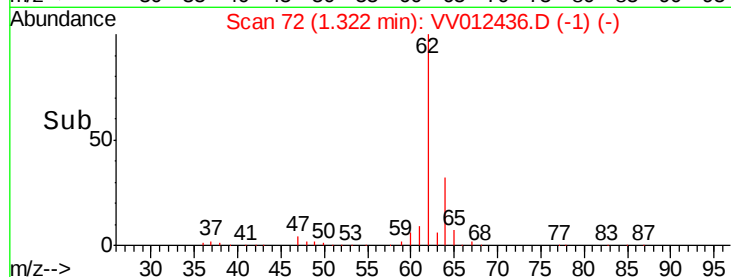
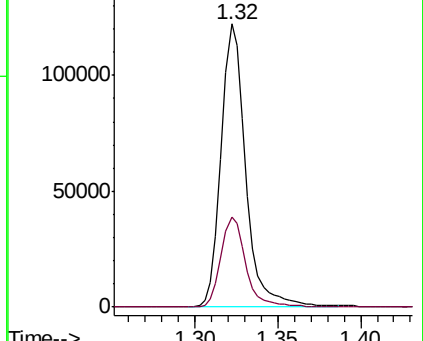
62 100

64 32.0 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 4.932 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV012436.D

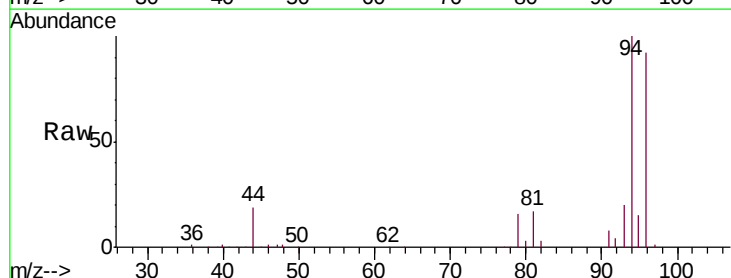
Acq: 28 Aug 2019 22:48

Tgt Ion: 94 Resp: 67793

Ion Ratio Lower Upper

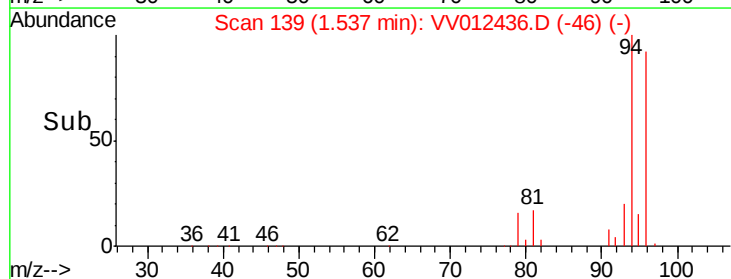
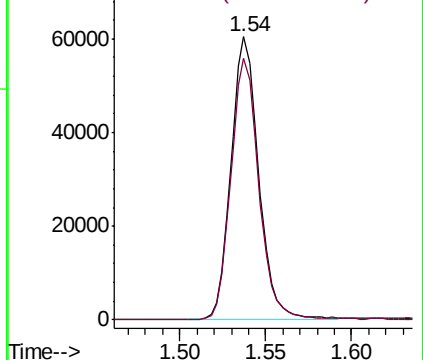
94 100

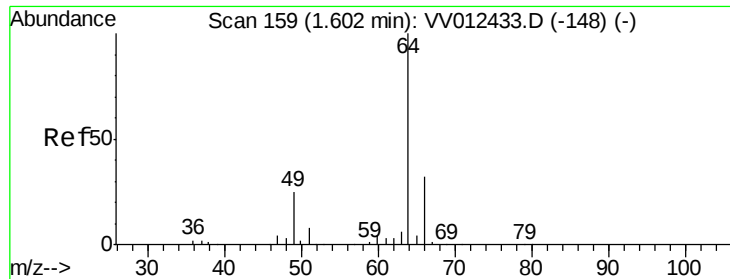
96 92.4 64.3 119.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

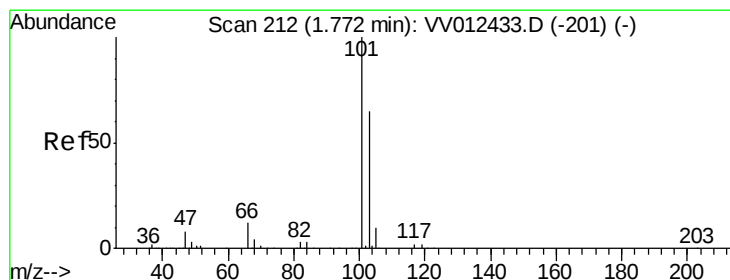
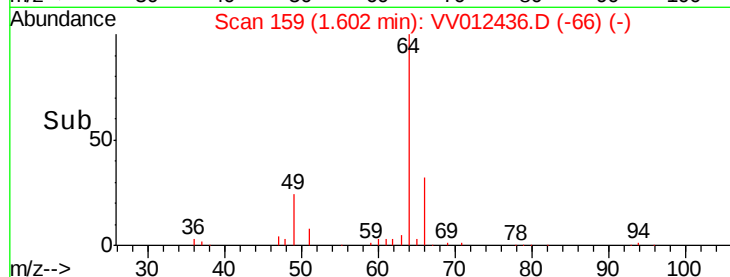
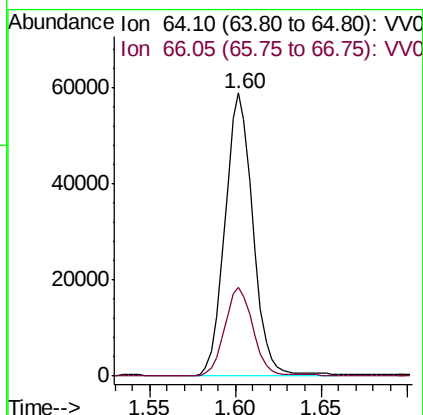
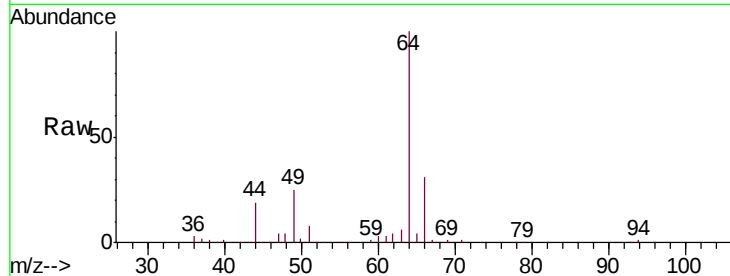




#8
Chloroethane
Concen: 4.849 ug/L
RT: 1.60 min Scan# 159
Delta R.T. -0.00 min
Lab File: VV012436.D
Acq: 28 Aug 2019 22:48

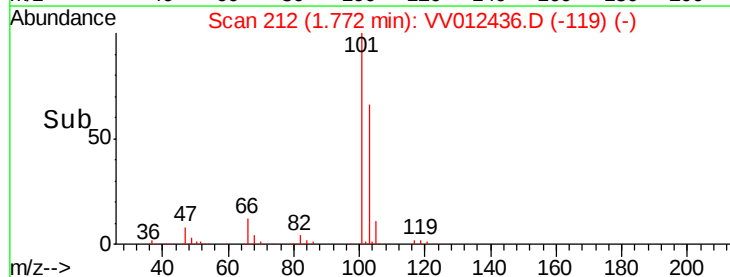
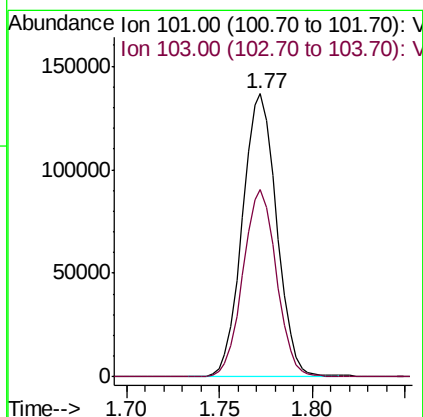
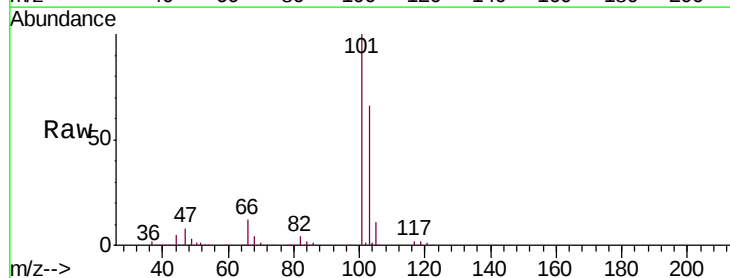
Instrument :
MSVOA_V
ClientSampleId :
VICV37

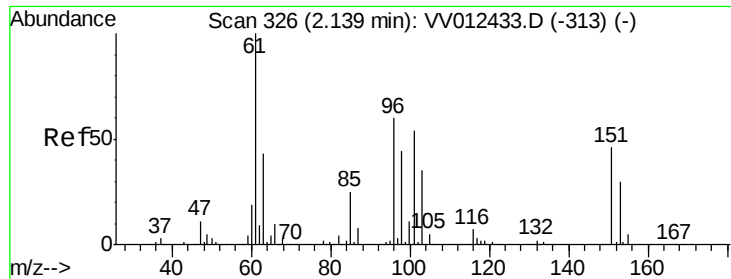
Tgt Ion: 64 Resp: 66700
Ion Ratio Lower Upper
64 100
66 31.5 22.4 41.6



#9
Trichlorofluoromethane
Concen: 4.831 ug/L
RT: 1.77 min Scan# 212
Delta R.T. -0.00 min
Lab File: VV012436.D
Acq: 28 Aug 2019 22:48

Tgt Ion: 101 Resp: 175091
Ion Ratio Lower Upper
101 100
103 65.1 51.8 77.6





#10

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

Concen: 4.775 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012436.D

Acq: 28 Aug 2019 22:48

Instrument :

MSVOA_V

ClientSampleId :

VICV37

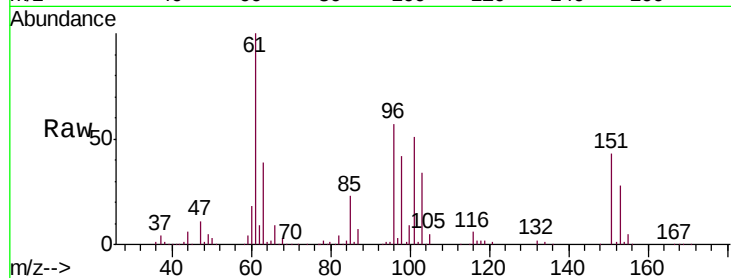
Tgt Ion: 101 Resp: 83418

Ion Ratio Lower Upper

101 100

85 45.0 35.9 53.9

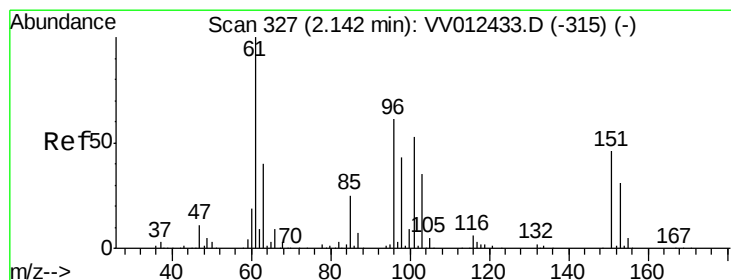
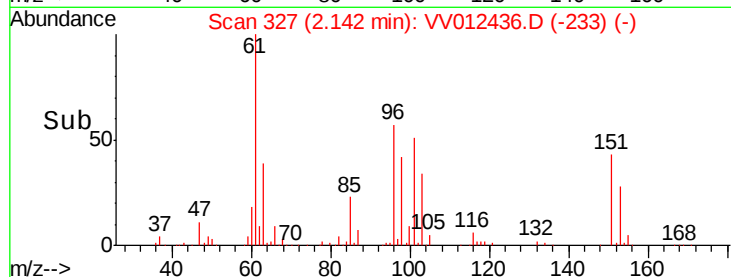
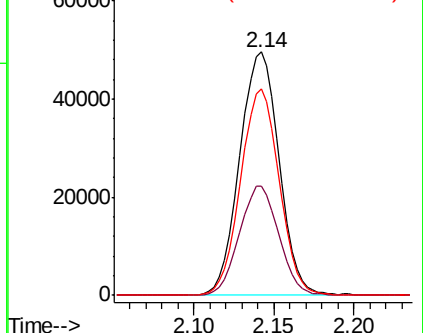
151 83.2 68.4 102.6



Abundance Ion 101.00 (100.70 to 101.70): VV012433.D (-313) (-)

Ion 85.00 (84.70 to 85.70): VV012433.D (-313) (-)

Ion 151.00 (150.70 to 151.70): VV012433.D (-313) (-)



#12

1,1-Dichloroethene

Concen: 4.666 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV012436.D

Acq: 28 Aug 2019 22:48

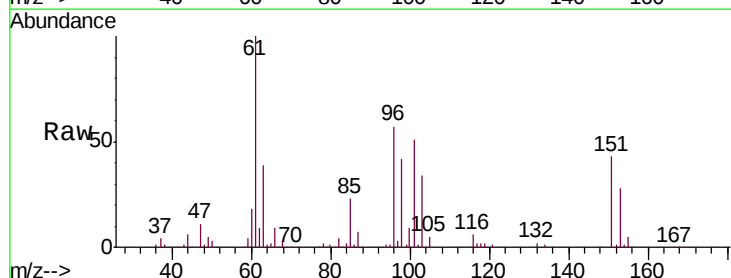
Tgt Ion: 96 Resp: 78478

Ion Ratio Lower Upper

96 100

61 174.1 114.0 211.6

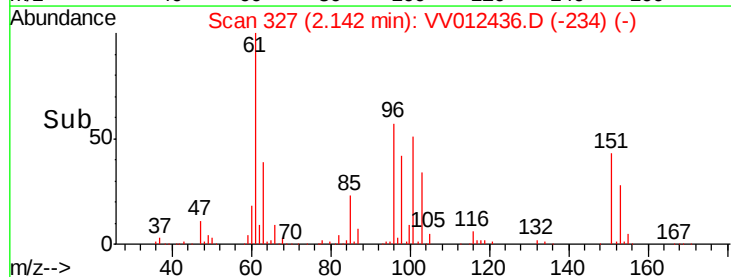
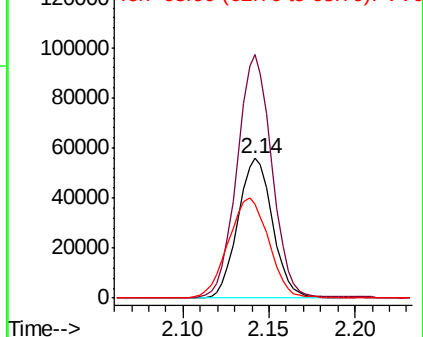
63 67.3 45.3 84.1

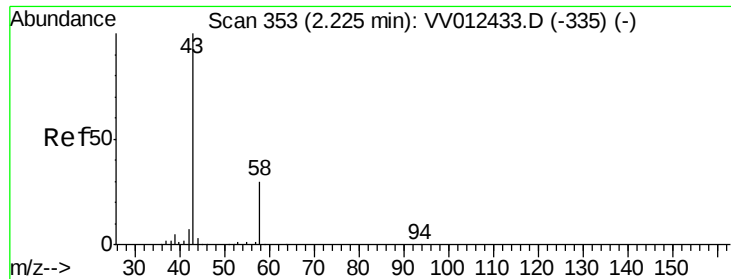


Abundance Ion 96.00 (95.70 to 96.70): VV012436.D (-234) (-)

Ion 61.05 (60.75 to 61.75): VV012436.D (-234) (-)

Ion 63.00 (62.70 to 63.70): VV012436.D (-234) (-)





#13

Acetone

Concen: 45.516 ug/L

RT: 2.23 min Scan# 353

Delta R.T. -0.00 min

Lab File: VV012436.D

Acq: 28 Aug 2019 22:48

Instrument :

MSVOA_V

ClientSampleId :

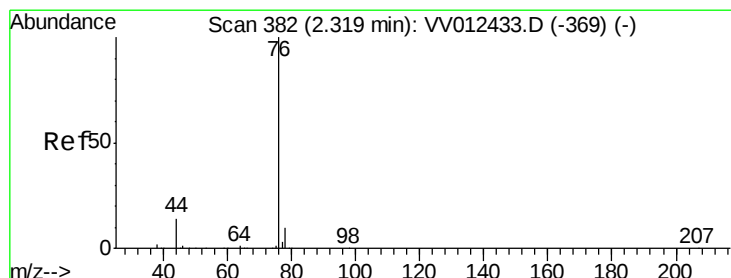
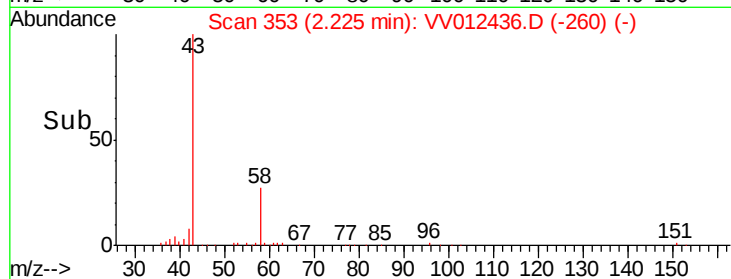
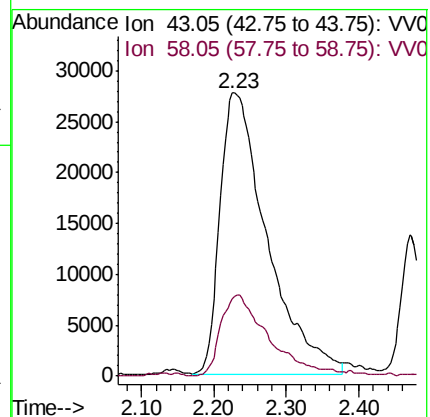
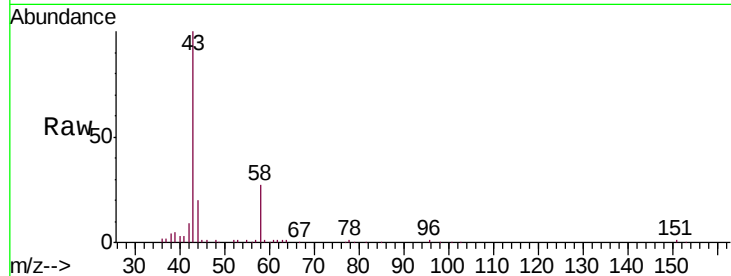
VICV37

Tgt Ion: 43 Resp: 124232

Ion Ratio Lower Upper

43 100

58 28.7 0.0 56.2



#14

Carbon disulfide

Concen: 4.756 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV012436.D

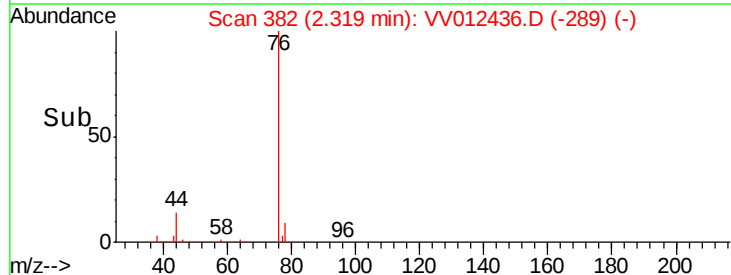
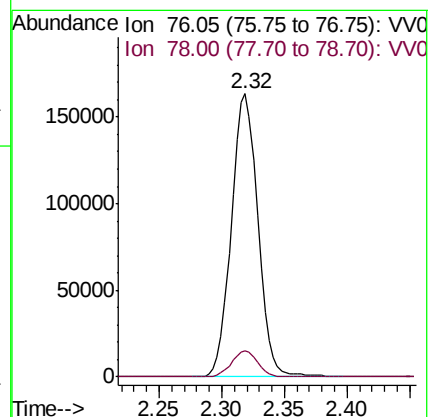
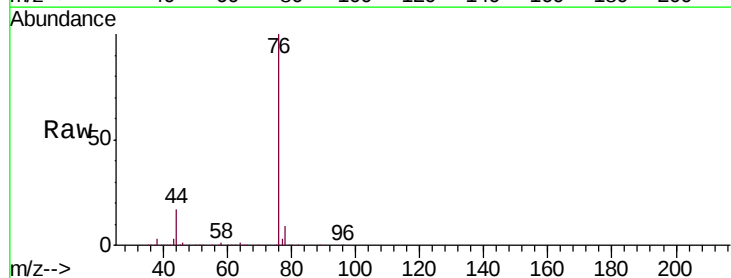
Acq: 28 Aug 2019 22:48

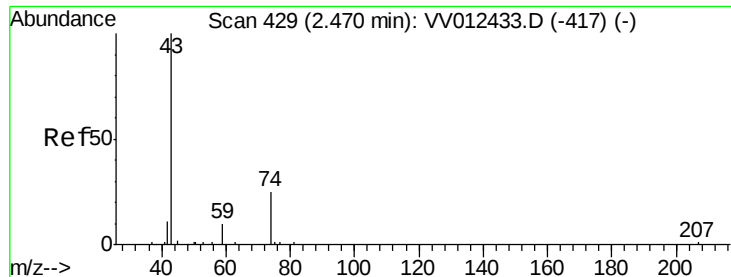
Tgt Ion: 76 Resp: 240690

Ion Ratio Lower Upper

76 100

78 9.3 7.7 11.5





#15

Methyl Acetate

Concen: 4.554 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VV012436.D

Acq: 28 Aug 2019 22:48

Instrument :

MSVOA_V

ClientSampleId :

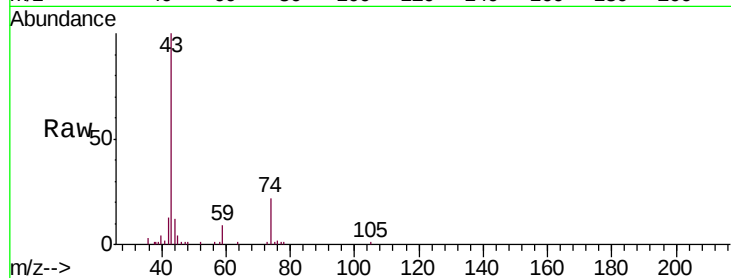
VICV37

Tgt Ion: 43 Resp: 29739

Ion Ratio Lower Upper

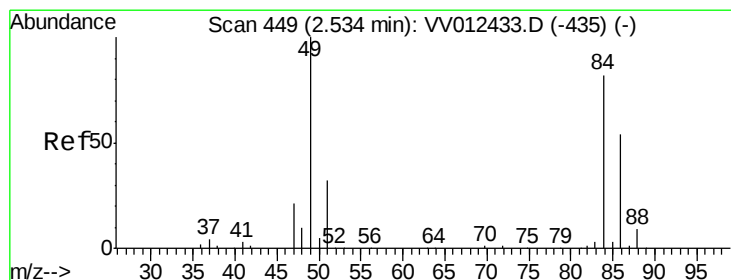
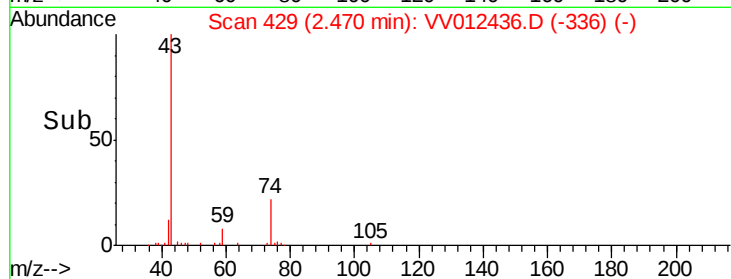
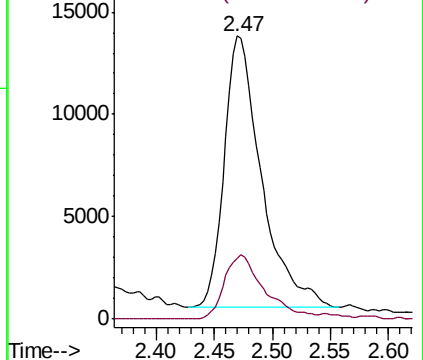
43 100

74 25.4 21.7 32.5



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 4.657 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV012436.D

Acq: 28 Aug 2019 22:48

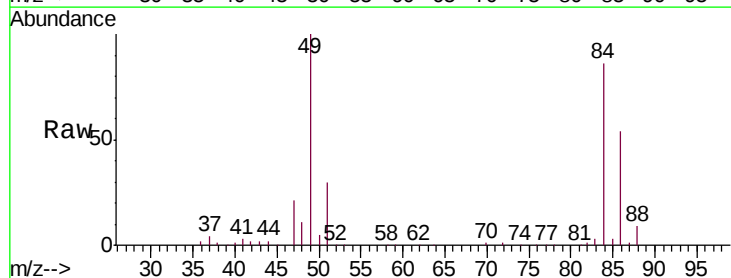
Tgt Ion: 84 Resp: 84270

Ion Ratio Lower Upper

84 100

86 62.3 45.8 85.0

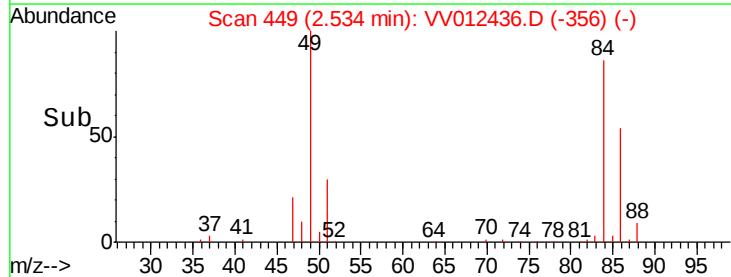
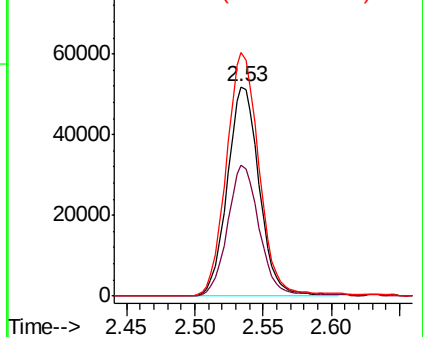
49 116.1 85.5 158.9

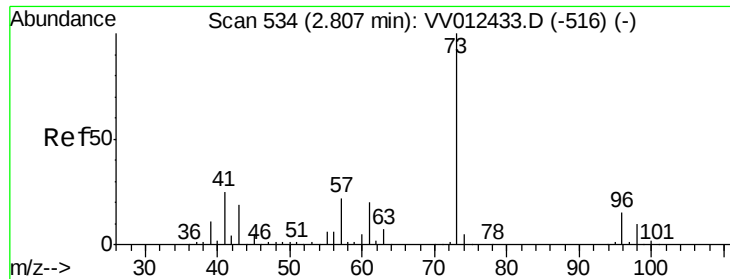


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

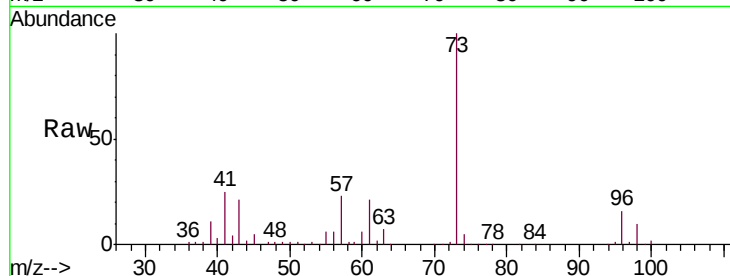




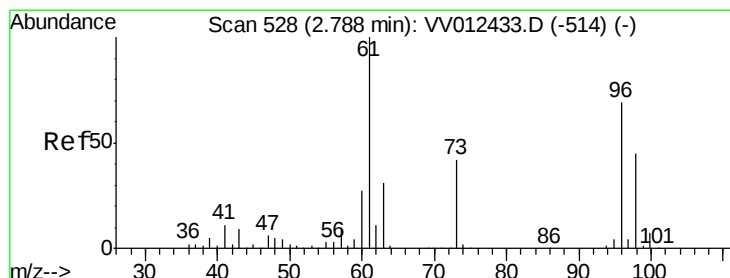
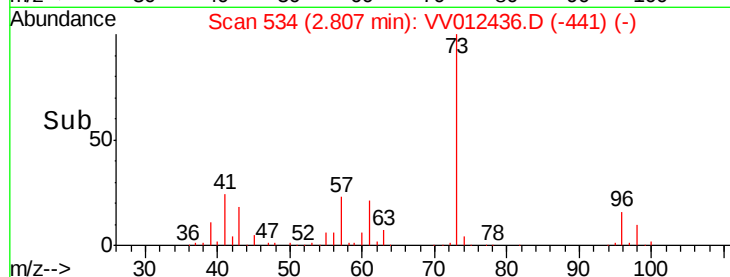
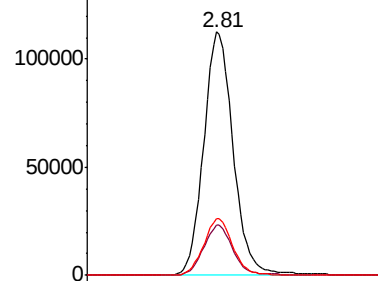
#17
Methyl tert-butyl Ether
Concen: 4.832 ug/L
RT: 2.81 min Scan# 534
Delta R.T. -0.00 min
Lab File: VV012436.D
Acq: 28 Aug 2019 22:48

Instrument :
MSVOA_V
ClientSampleId :
VICV37

Tgt Ion: 73 Resp: 244011
Ion Ratio Lower Upper
73 100
43 20.2 15.9 23.9
57 23.0 18.6 27.8

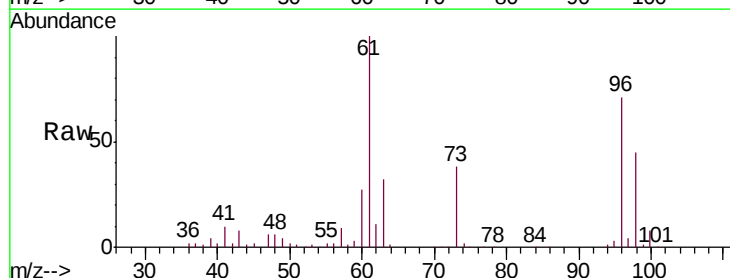


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

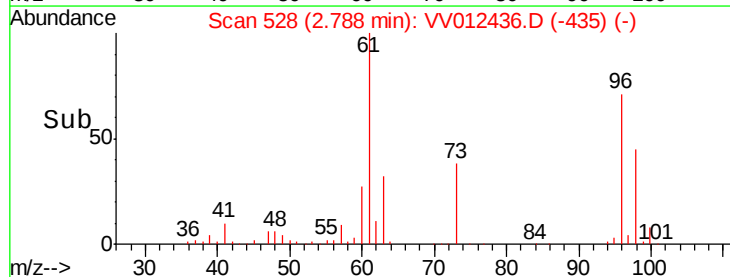
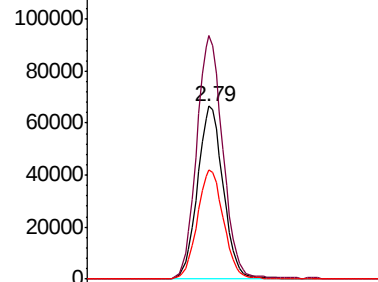


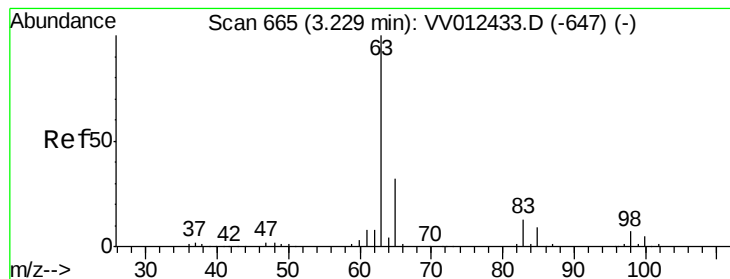
#18
trans-1,2-Dichloroethene
Concen: 4.815 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV012436.D
Acq: 28 Aug 2019 22:48

Tgt Ion: 96 Resp: 112255
Ion Ratio Lower Upper
96 100
61 140.6 102.1 189.5
98 63.2 45.8 85.0



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: 4.808 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV012436.D

Acq: 28 Aug 2019 22:48

Instrument :

MSVOA_V

ClientSampled :

VICV37

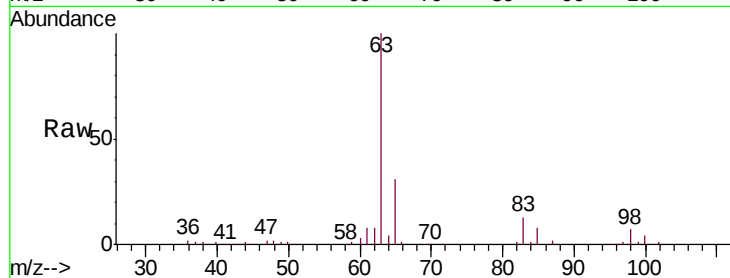
Tgt Ion: 63 Resp: 220014

Ion Ratio Lower Upper

63 100

65 31.1 22.2 41.2

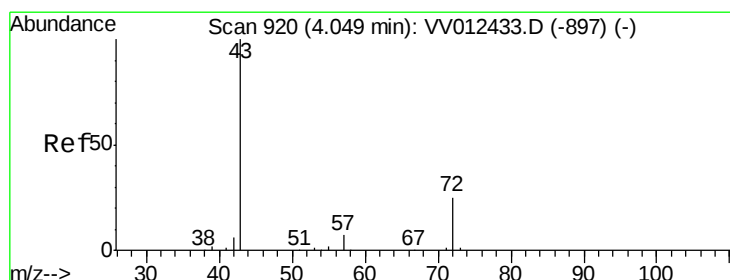
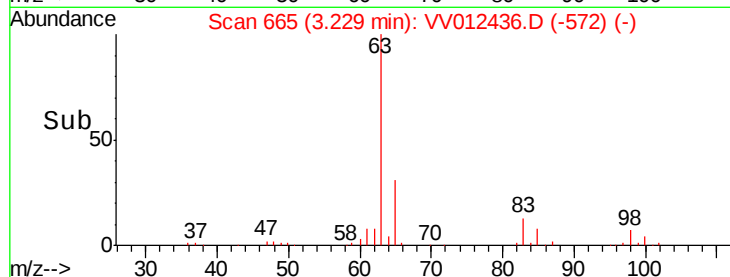
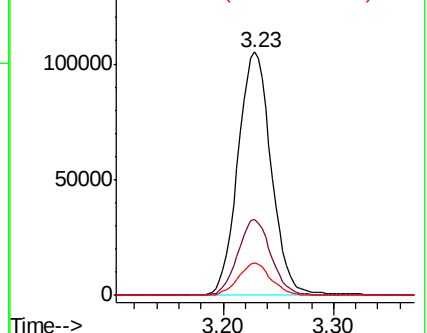
83 13.2 9.0 16.8



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 51.602 ug/L

RT: 4.05 min Scan# 920

Delta R.T. -0.00 min

Lab File: VV012436.D

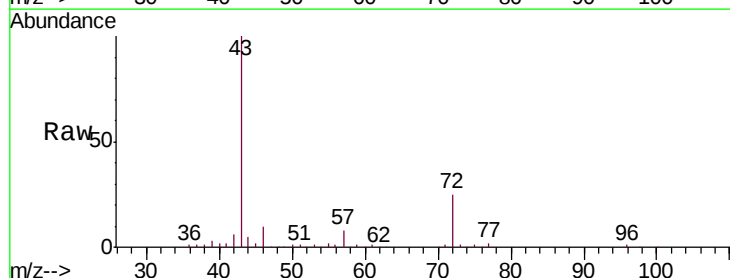
Acq: 28 Aug 2019 22:48

Tgt Ion: 43 Resp: 295799

Ion Ratio Lower Upper

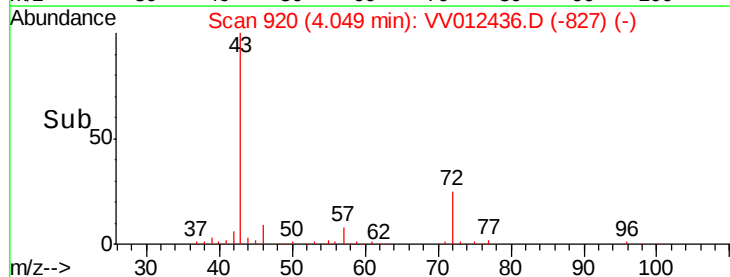
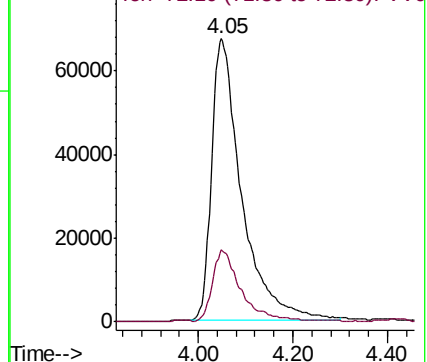
43 100

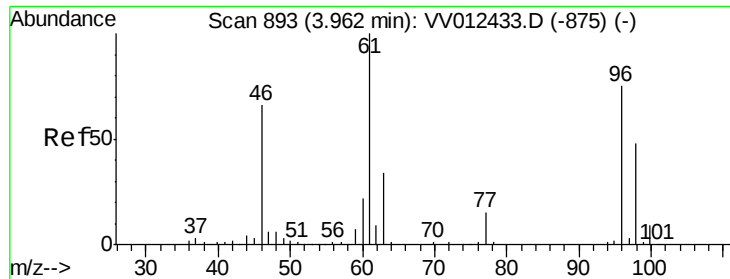
72 21.4 12.2 36.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0

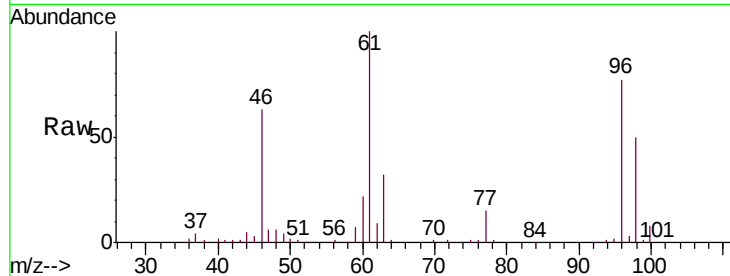




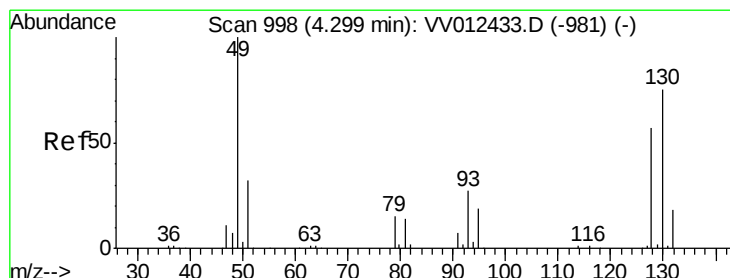
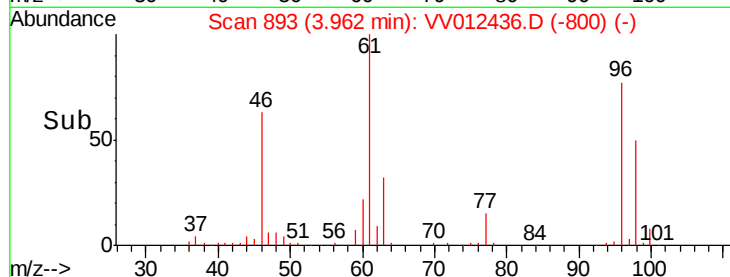
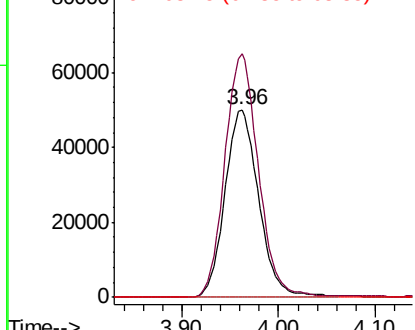
#22
 cis-1,2-Dichloroethene
 Concen: 4.856 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV012436.D
 Acq: 28 Aug 2019 22:48

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV37

Tgt Ion: 96 Resp: 121399
 Ion Ratio Lower Upper
 96 100
 61 129.7 93.7 173.9
 68 0.0 0.0 0.0

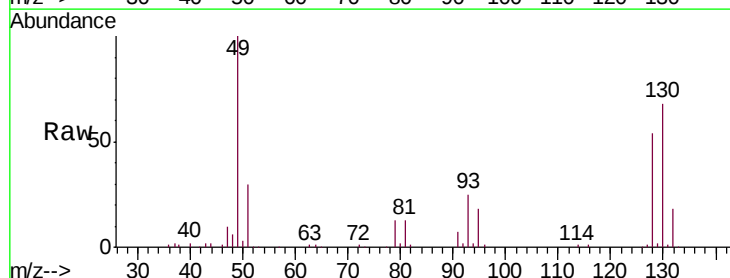


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

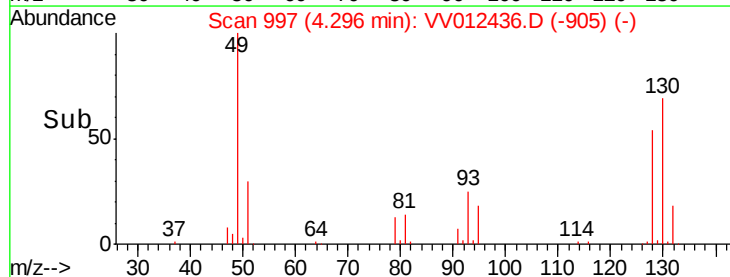
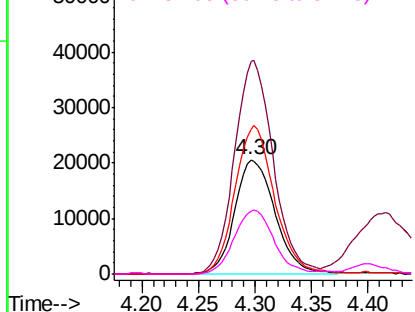


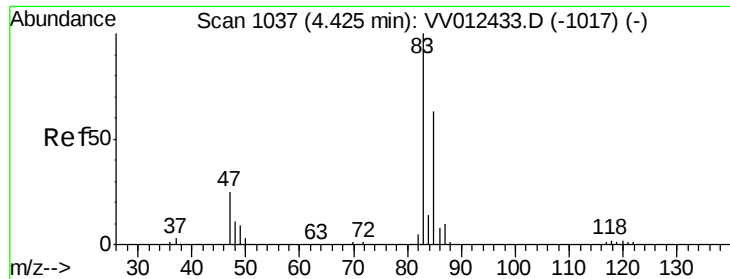
#23
 Bromochloromethane
 Concen: 4.839 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VV012436.D
 Acq: 28 Aug 2019 22:48

Tgt Ion: 128 Resp: 51251
 Ion Ratio Lower Upper
 128 100
 49 186.4 122.2 226.9
 130 126.9 90.9 168.7
 51 55.5 44.6 66.8



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

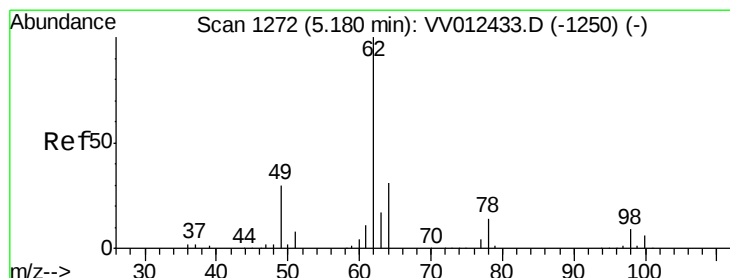
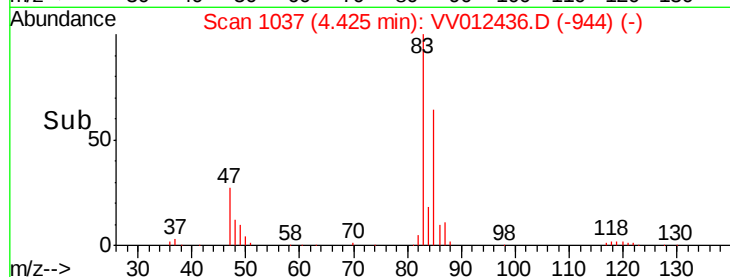
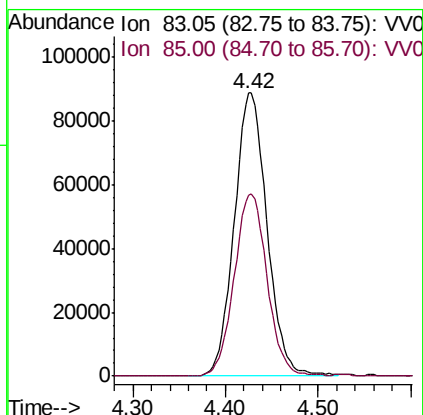
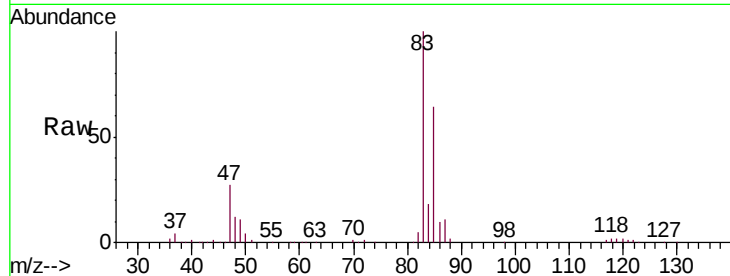




#25
Chloroform
Concen: 4.565 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV012436.D
Acq: 28 Aug 2019 22:48

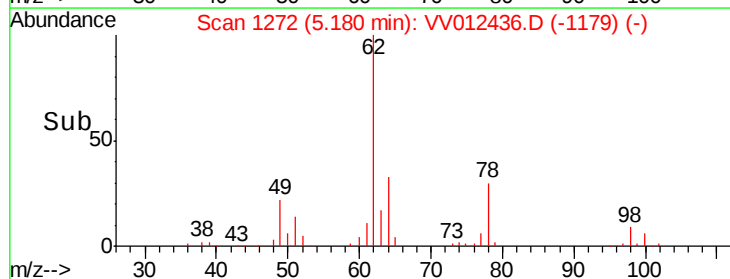
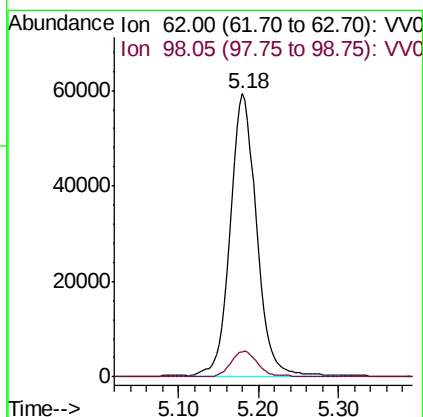
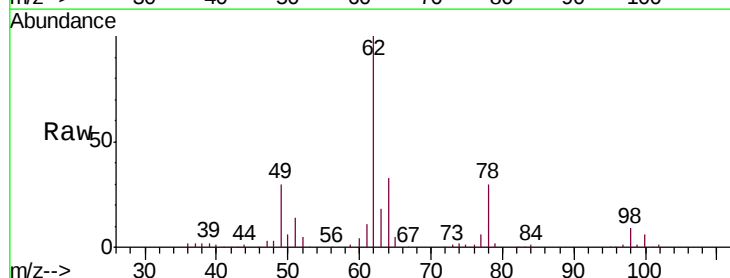
Instrument :
MSVOA_V
ClientSampleId :
VICV37

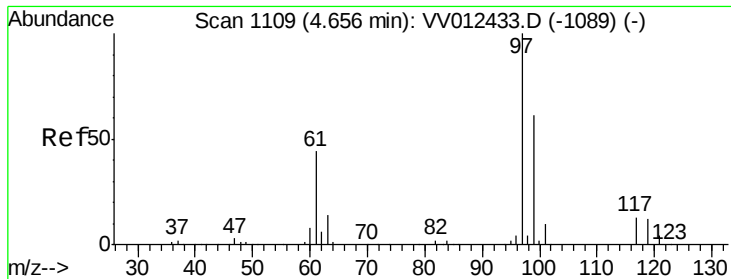
Tgt Ion: 83 Resp: 218091
Ion Ratio Lower Upper
83 100
85 64.1 44.2 82.2



#27
1,2-Dichloroethane
Concen: 4.874 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV012436.D
Acq: 28 Aug 2019 22:48

Tgt Ion: 62 Resp: 131200
Ion Ratio Lower Upper
62 100
98 9.0 7.1 10.7

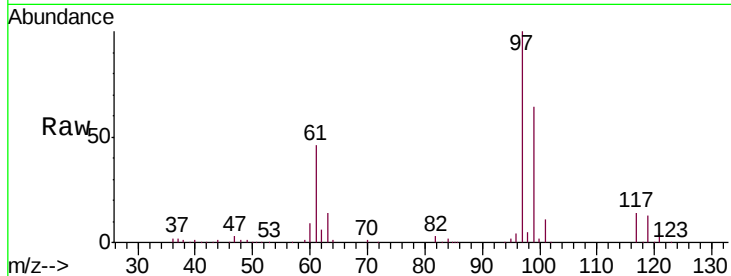




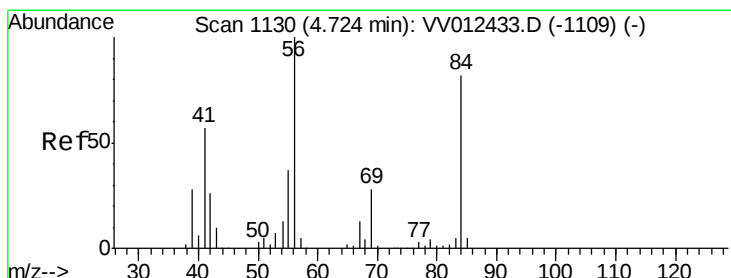
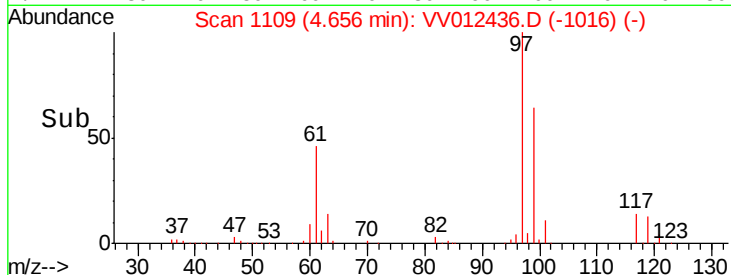
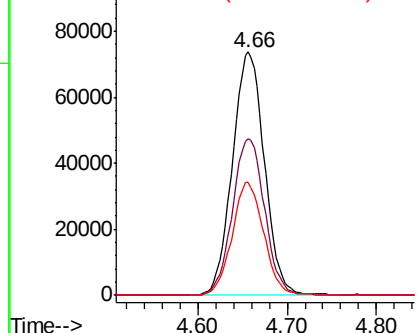
#29
 1,1,1-Trichloroethane
 Concen: 4.829 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VV012436.D
 Acq: 28 Aug 2019 22:48

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV37

Tgt Ion: 97 Resp: 183682
 Ion Ratio Lower Upper
 97 100
 99 64.8 50.5 75.7
 61 46.0 36.0 54.0

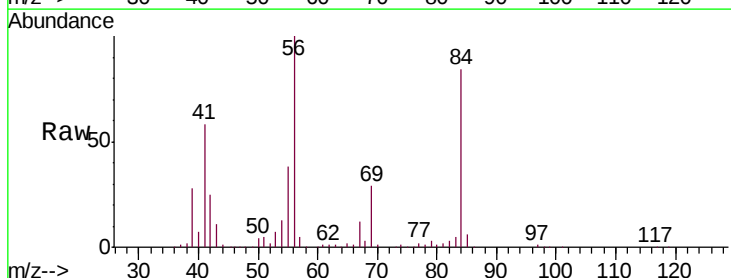


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

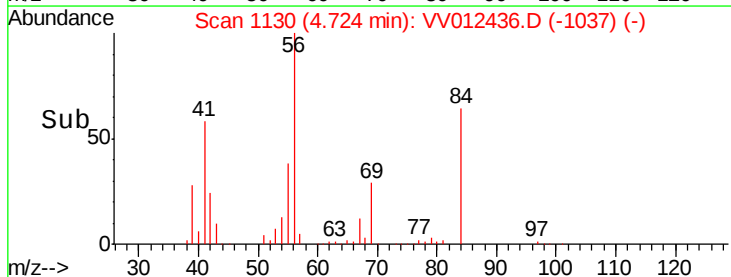
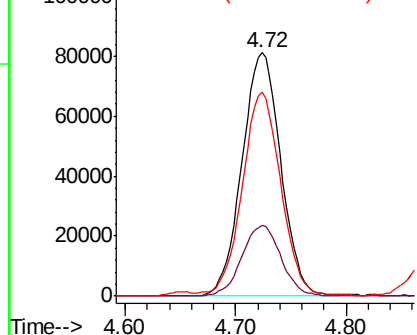


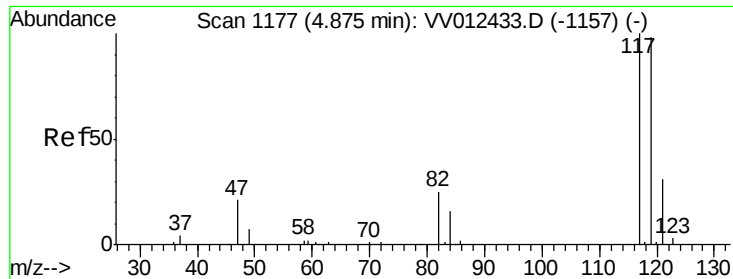
#30
 Cyclohexane
 Concen: 5.089 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: VV012436.D
 Acq: 28 Aug 2019 22:48

Tgt Ion: 56 Resp: 198192
 Ion Ratio Lower Upper
 56 100
 69 29.3 23.0 34.4
 84 83.6 67.3 100.9



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: 4.867 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV012436.D

Acq: 28 Aug 2019 22:48

Instrument :

MSVOA_V

ClientSampleId :

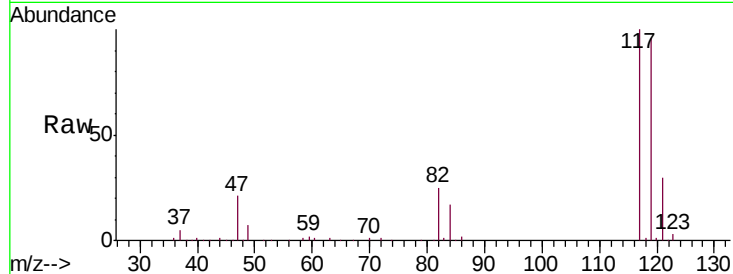
VICV37

Tgt Ion:117 Resp: 163531

Ion Ratio Lower Upper

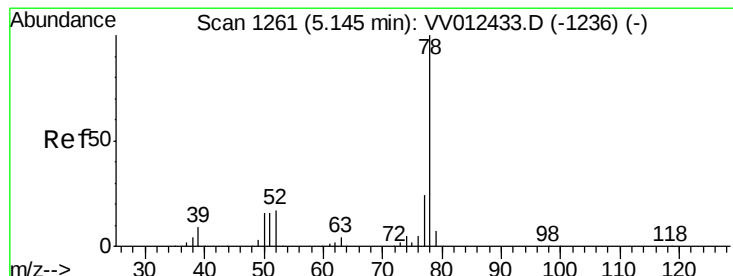
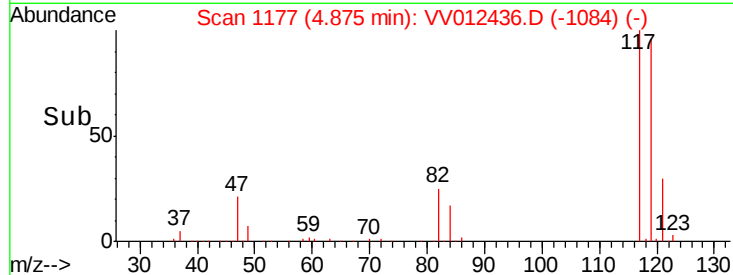
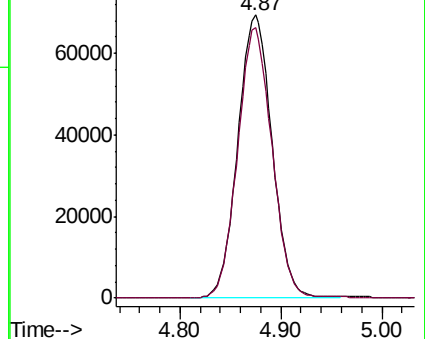
117 100

119 95.4 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.995 ug/L

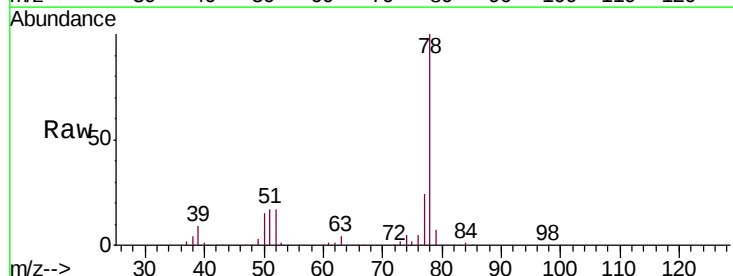
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

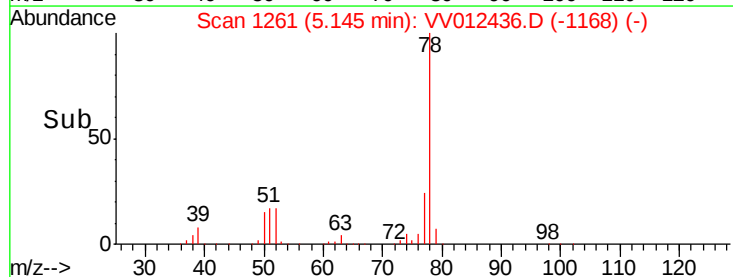
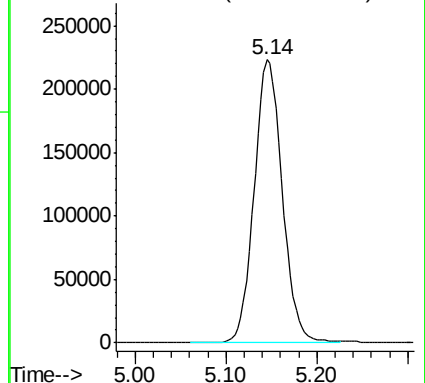
Lab File: VV012436.D

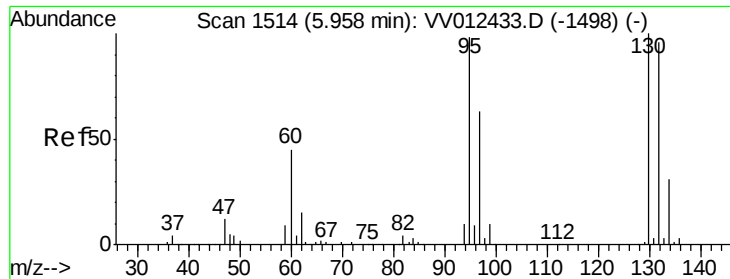
Acq: 28 Aug 2019 22:48

Tgt Ion: 78 Resp: 479902



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.787 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV012436.D

Acq: 28 Aug 2019 22:48

Instrument :

MSVOA_V

ClientSampleId :

VICV37

Tgt Ion: 95 Resp: 119393

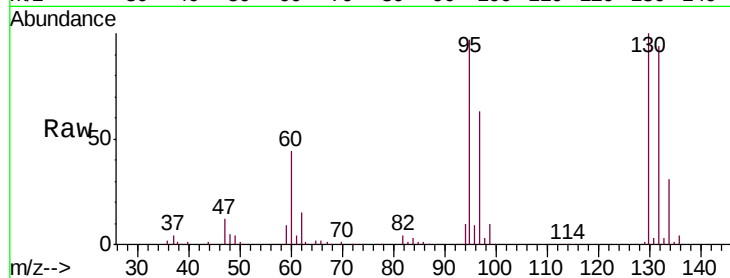
Ion Ratio Lower Upper

95 100

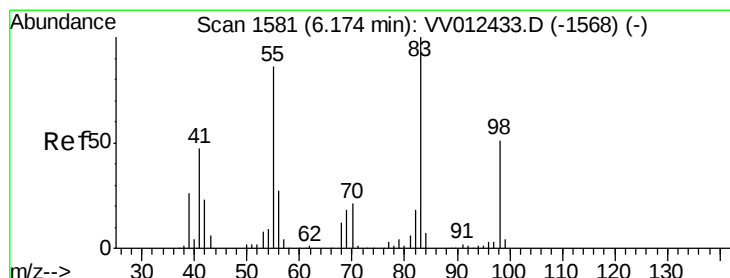
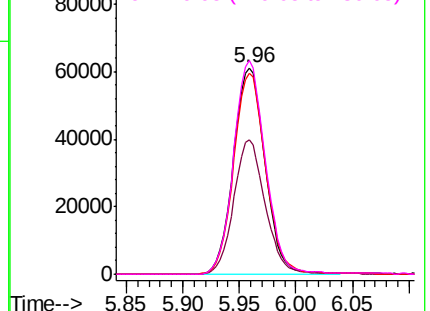
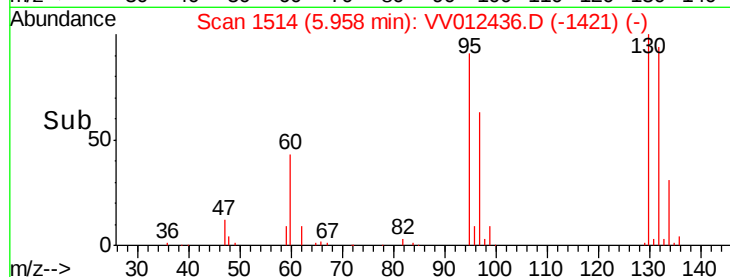
97 65.4 45.1 83.9

132 97.6 68.4 127.0

130 103.6 71.5 132.9



Abundance Ion 95.00 (94.70 to 95.70): VV012436.D (-1421) (-)



#35

Methylcyclohexane

Concen: 5.027 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV012436.D

Acq: 28 Aug 2019 22:48

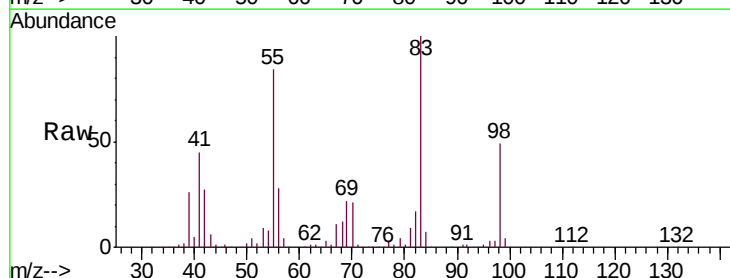
Tgt Ion: 83 Resp: 193346

Ion Ratio Lower Upper

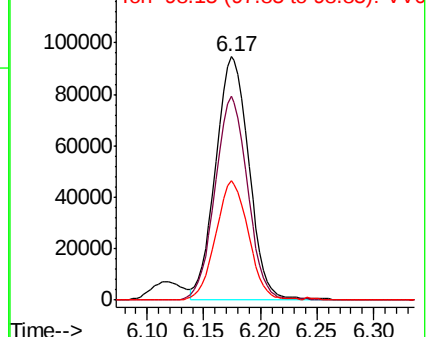
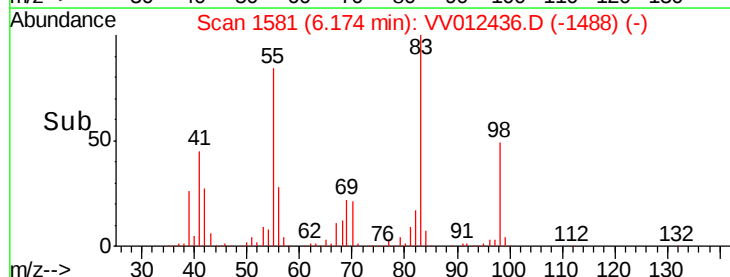
83 100

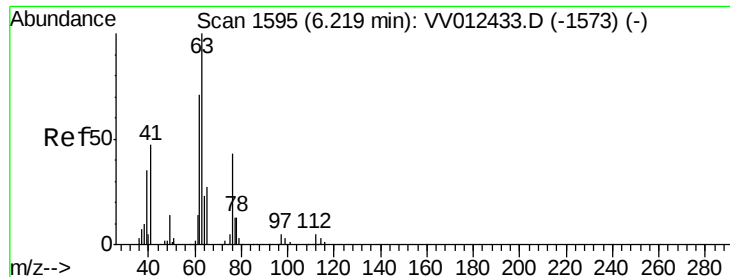
55 81.6 66.0 99.0

98 48.2 39.0 58.4



Abundance Ion 83.15 (82.85 to 83.85): VV012436.D (-1488) (-)





#37

1,2-Dichloropropane

Concen: 5.004 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VV012436.D

Acq: 28 Aug 2019 22:48

Instrument :

MSVOA_V

ClientSampleId :

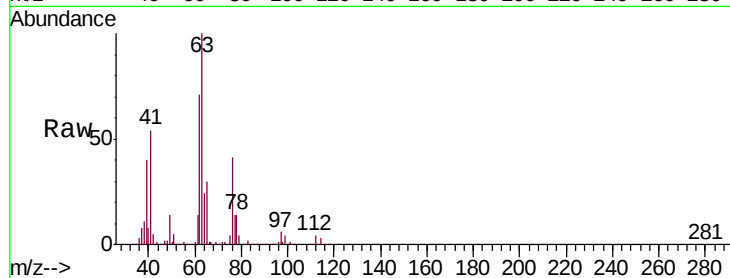
VICV37

Tgt Ion: 63 Resp: 122413

Ion Ratio Lower Upper

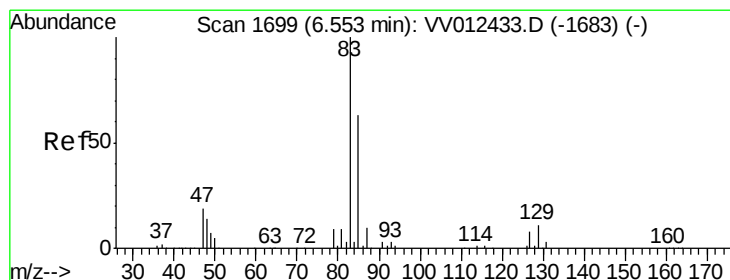
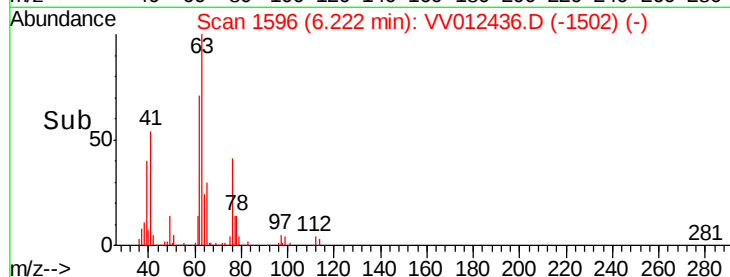
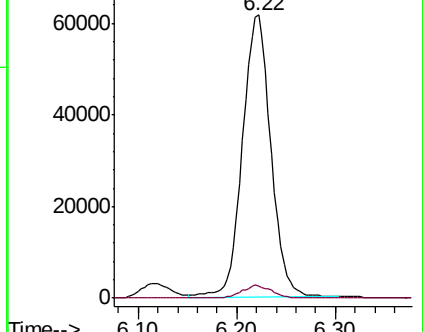
63 100

112 4.8 3.8 5.6



Abundance Ion 63.10 (62.80 to 63.80): VV012433.D (-1573) (-)

Ion 112.10 (111.80 to 112.80): VV012433.D (-1573) (-)



#38

Bromodichloromethane

Concen: 4.806 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV012436.D

Acq: 28 Aug 2019 22:48

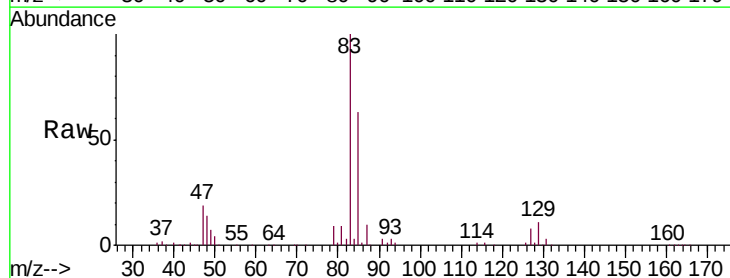
Tgt Ion: 83 Resp: 151276

Ion Ratio Lower Upper

83 100

85 63.2 44.1 81.9

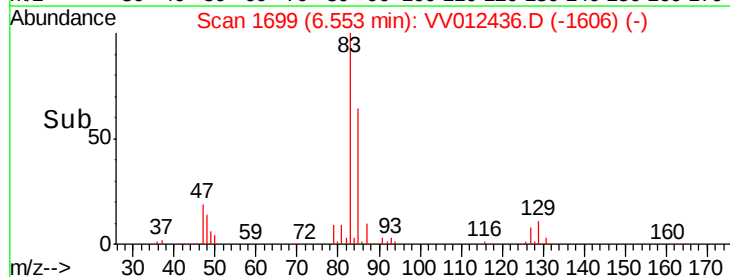
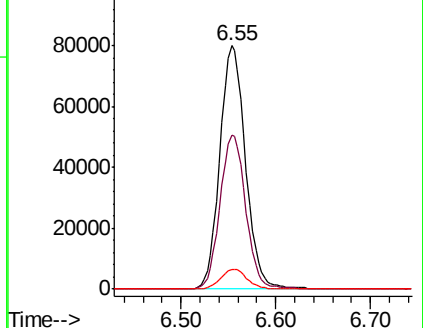
127 8.2 6.7 10.1

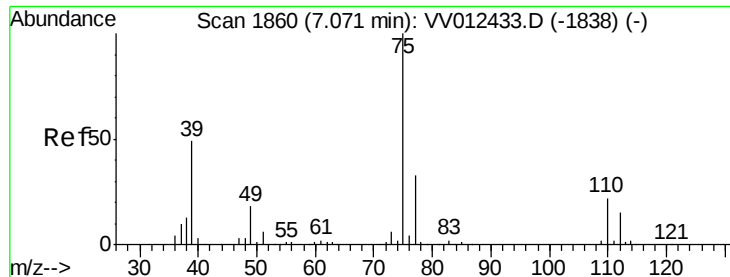


Abundance Ion 82.95 (82.65 to 83.65): VV012433.D (-1683) (-)

Ion 85.00 (84.70 to 85.70): VV012433.D (-1683) (-)

Ion 126.90 (126.60 to 127.60): VV012433.D (-1683) (-)

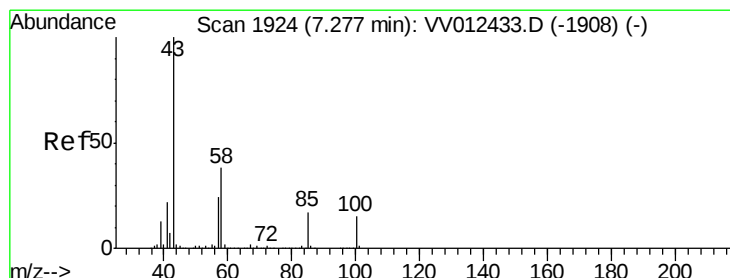
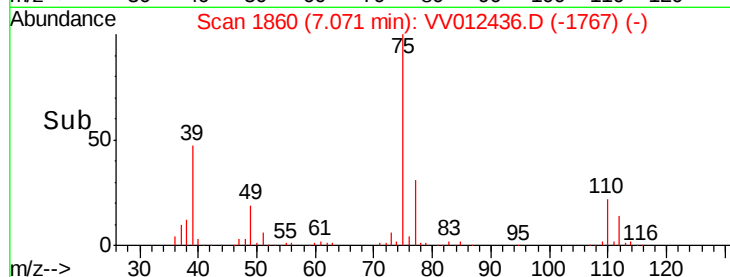
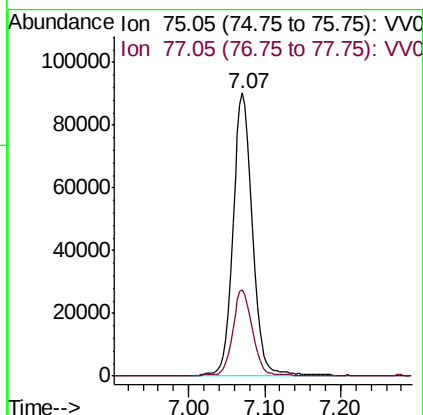
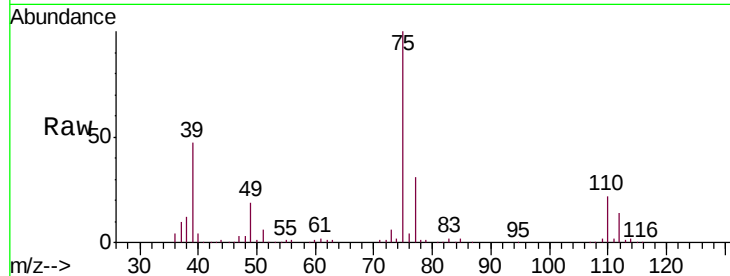




#39
 cis-1,3-Dichloropropene
 Concen: 5.013 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV012436.D
 Acq: 28 Aug 2019 22:48

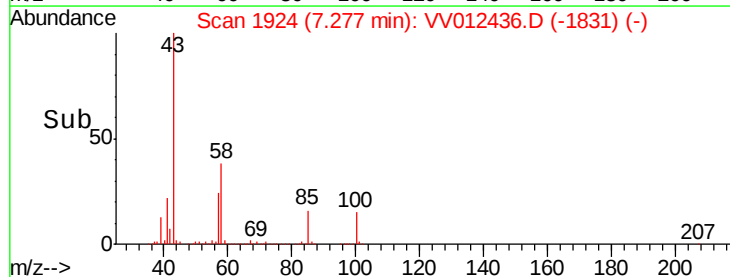
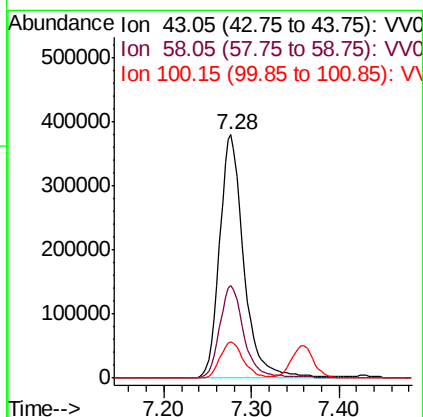
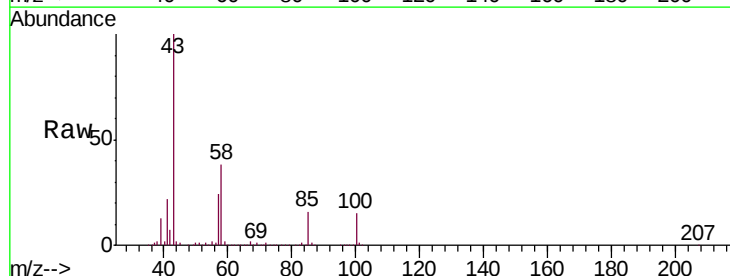
Instrument :
 MSVOA_V
 ClientSampled :
 VICV37

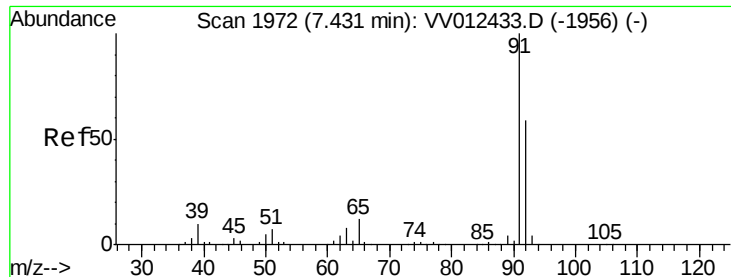
Tgt Ion: 75 Resp: 161763
 Ion Ratio Lower Upper
 75 100
 77 30.7 23.0 42.8



#40
 4-Methyl-2-pentanone
 Concen: 52.497 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV012436.D
 Acq: 28 Aug 2019 22:48

Tgt Ion: 43 Resp: 730760
 Ion Ratio Lower Upper
 43 100
 58 38.5 30.8 46.2
 100 14.3 11.4 17.0





#42

Toluene

Concen: 5.076 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV012436.D

Acq: 28 Aug 2019 22:48

Instrument :

MSVOA_V

ClientSampleId :

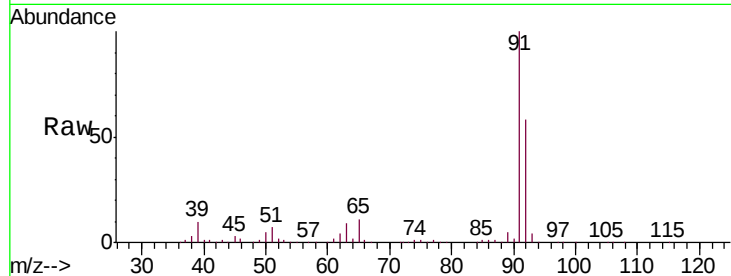
VICV37

Tgt Ion: 91 Resp: 501320

Ion Ratio Lower Upper

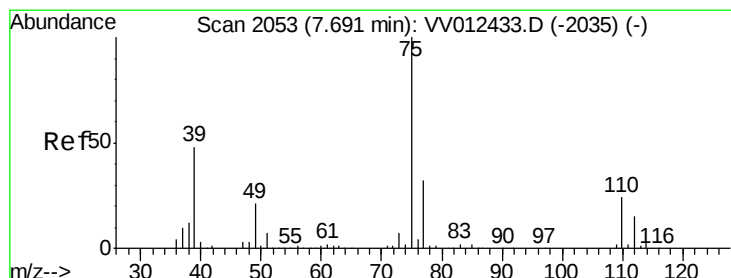
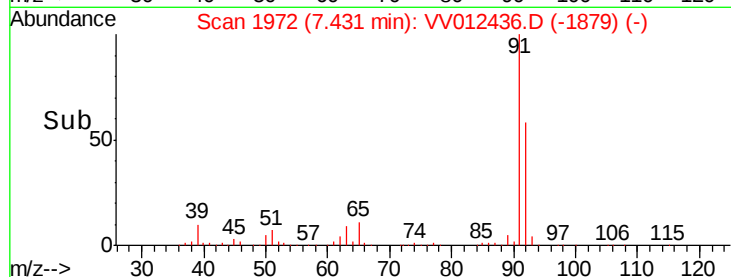
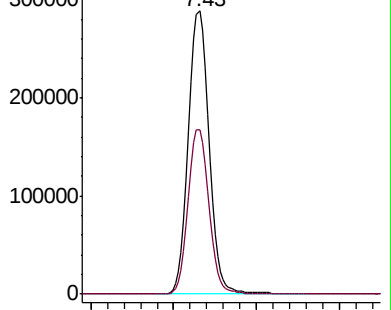
91 100

92 58.1 41.5 77.1



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: 4.936 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV012436.D

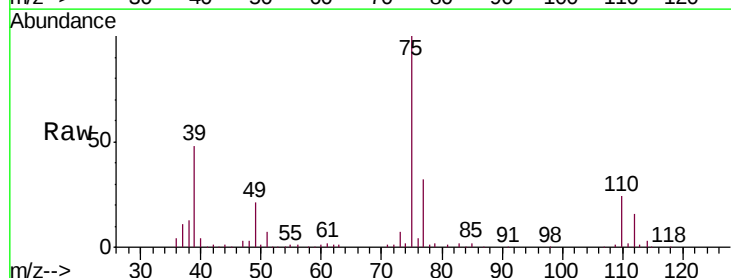
Acq: 28 Aug 2019 22:48

Tgt Ion: 75 Resp: 123698

Ion Ratio Lower Upper

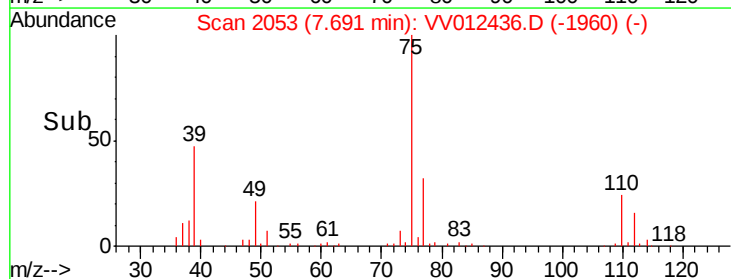
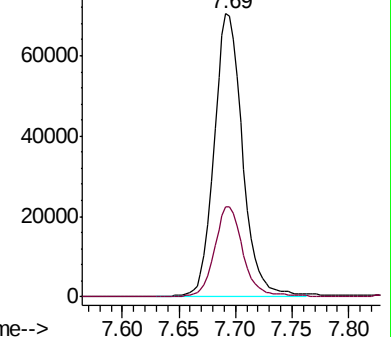
75 100

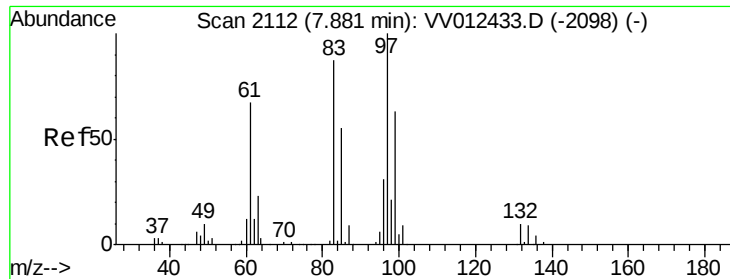
77 31.6 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

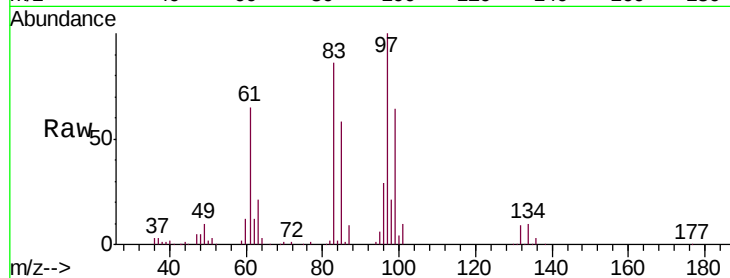




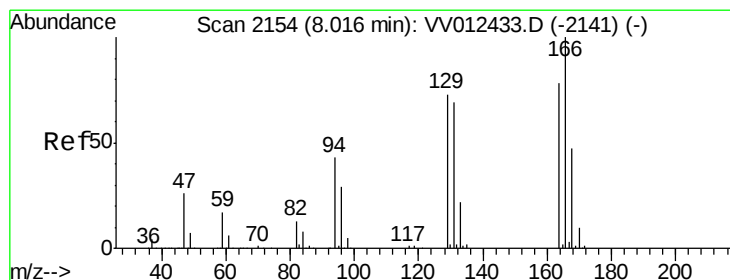
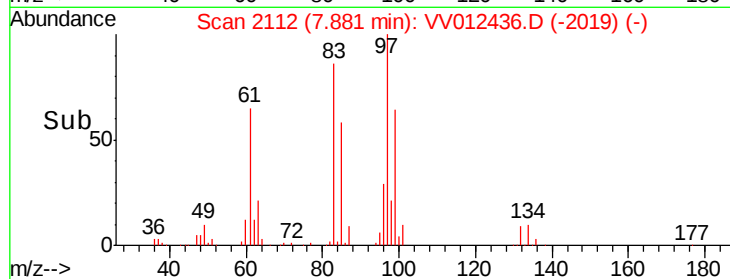
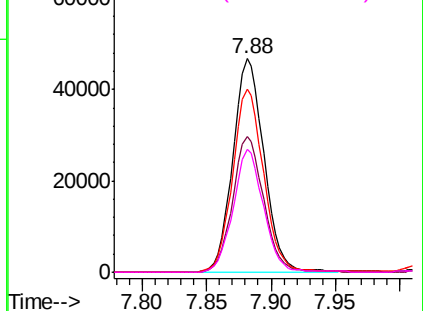
#45
 1,1,2-Trichloroethane
 Concen: 4.780 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV012436.D
 Acq: 28 Aug 2019 22:48

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV37

Tgt Ion: 97 Resp: 78494
 Ion Ratio Lower Upper
 97 100
 99 63.5 44.2 82.2
 83 85.8 60.6 112.6
 85 57.8 38.8 72.0

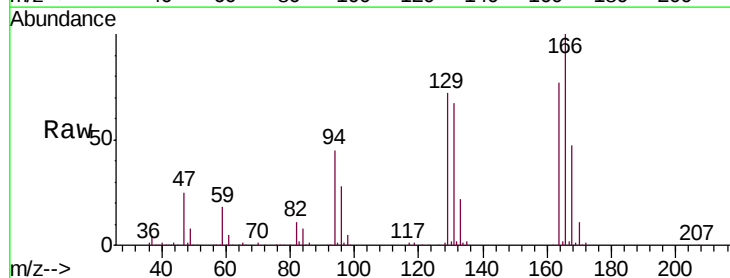


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

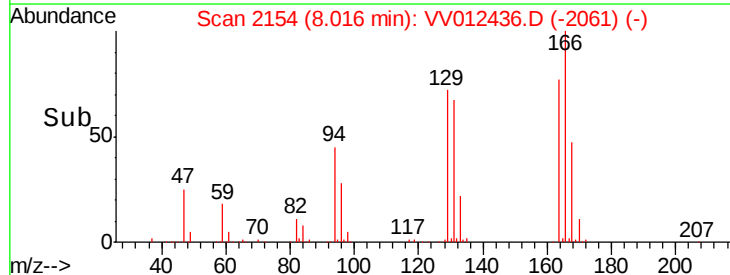
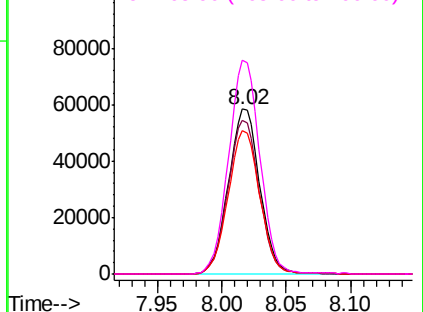


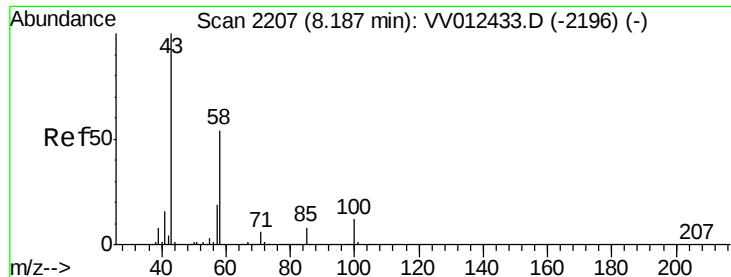
#47
 Tetrachloroethene
 Concen: 4.838 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV012436.D
 Acq: 28 Aug 2019 22:48

Tgt Ion: 164 Resp: 98826
 Ion Ratio Lower Upper
 164 100
 129 93.6 65.4 121.4
 131 86.8 62.6 116.3
 166 129.7 90.2 167.4



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

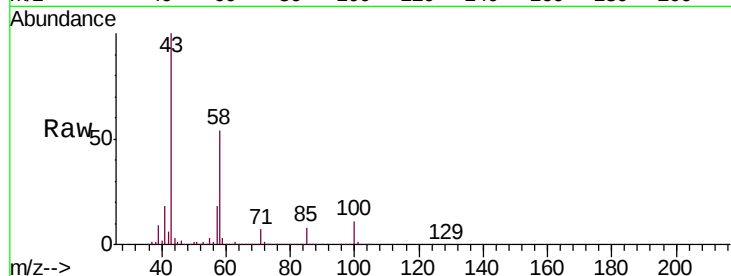




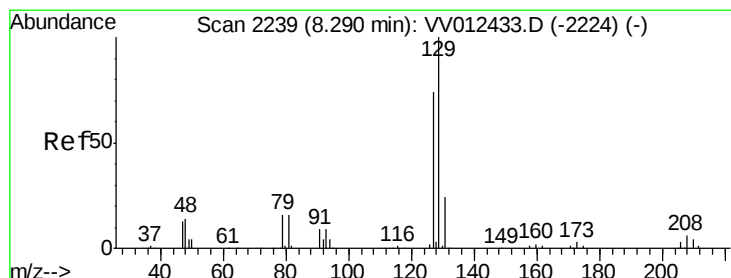
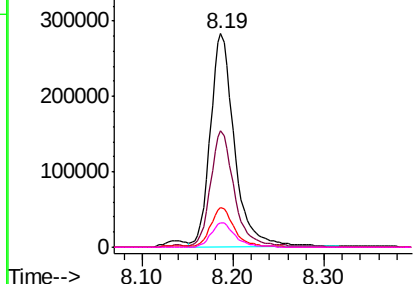
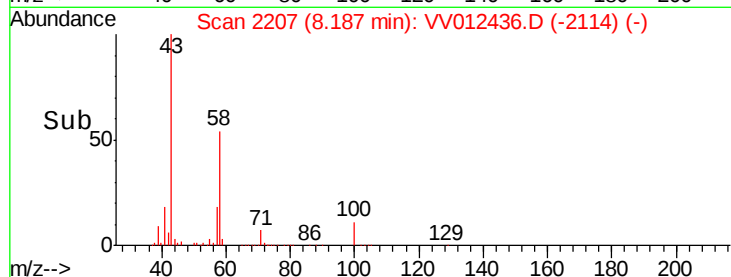
#48
2-Hexanone
Concen: 54.238 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV012436.D
Acq: 28 Aug 2019 22:48

Instrument :
MSVOA_V
ClientSampleId :
VICV37

Tgt Ion:	43	Resp:	519546
Ion	Ratio	Lower	Upper
43	100		
58	53.6	42.7	64.1
57	18.3	14.7	22.1
100	11.4	9.2	13.8

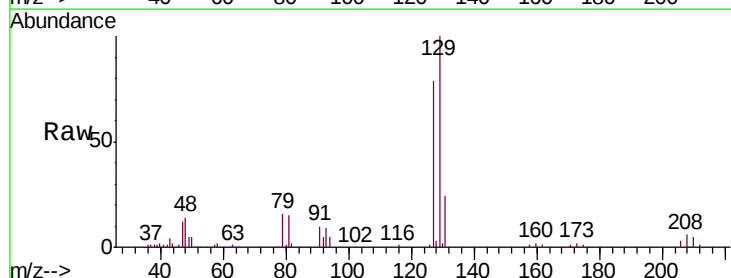


Abundance Ion 43.05 (42.75 to 43.75): VV012436.D (-2196) (-)
Ion 58.05 (57.75 to 58.75): VV012436.D (-2196) (-)
Ion 57.20 (56.90 to 57.90): VV012436.D (-2196) (-)
Ion 100.15 (99.85 to 100.85): VV012436.D (-2196) (-)

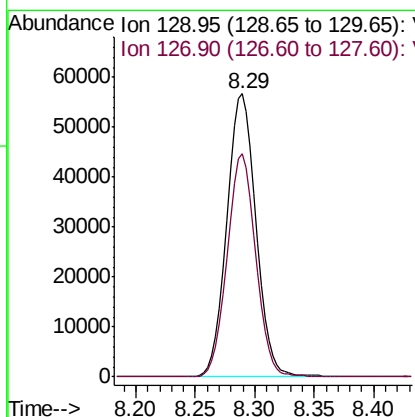
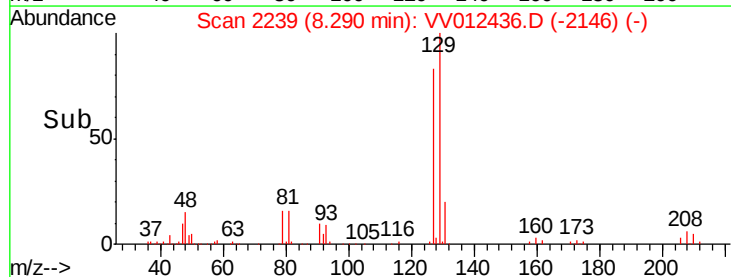


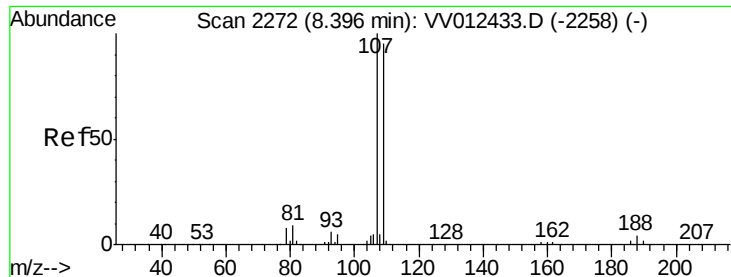
#49
Dibromochloromethane
Concen: 4.956 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV012436.D
Acq: 28 Aug 2019 22:48

Tgt Ion:	129	Resp:	96572
Ion	Ratio	Lower	Upper
129	100		
127	78.7	52.1	96.9



Abundance Ion 128.95 (128.65 to 129.65): VV012436.D (-2224) (-)
Ion 126.90 (126.60 to 127.60): VV012436.D (-2224) (-)

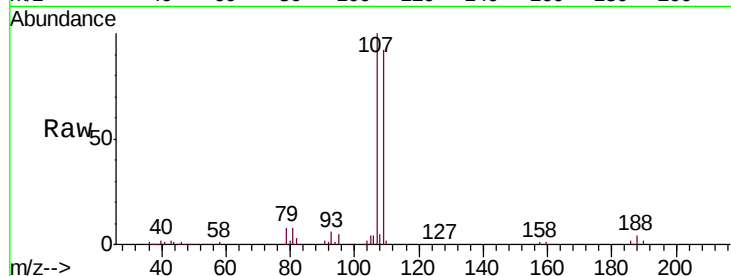




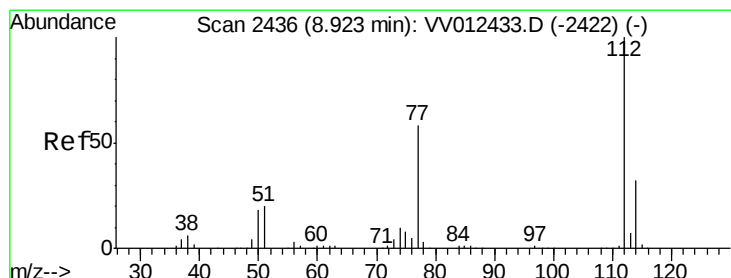
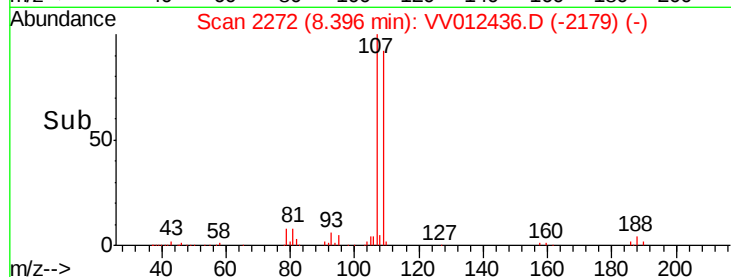
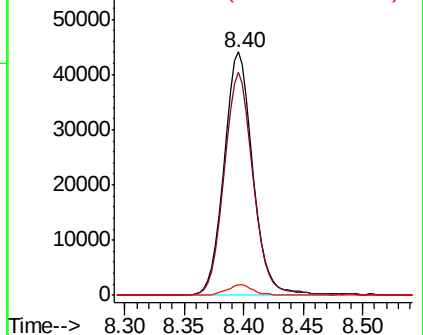
#50
1,2-Dibromoethane
Concen: 4.996 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV012436.D
Acq: 28 Aug 2019 22:48

Instrument :
MSVOA_V
ClientSampleId :
VICV37

Tgt Ion:107 Resp: 73882
Ion Ratio Lower Upper
107 100
109 91.6 66.6 123.6
188 4.3 3.1 4.7

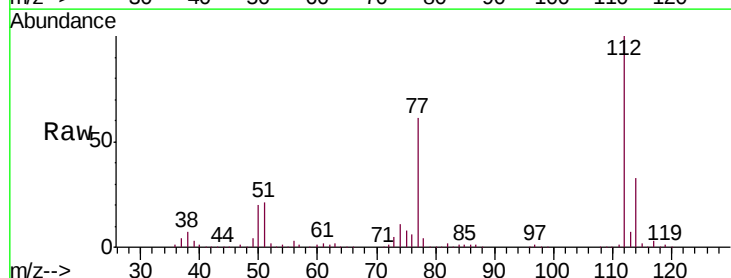


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

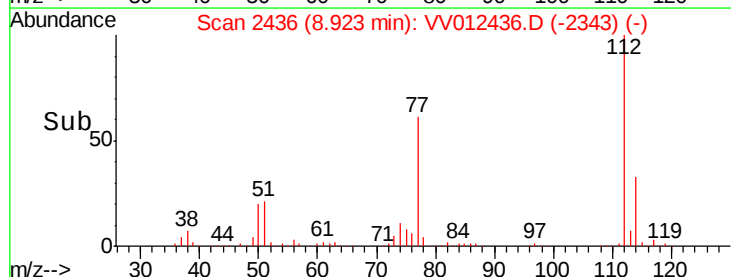
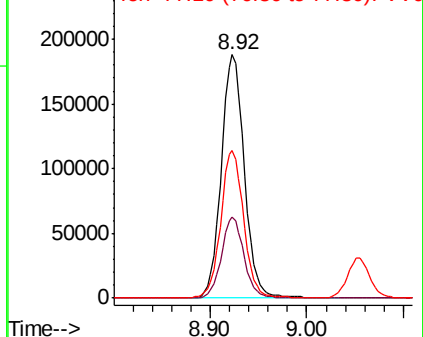


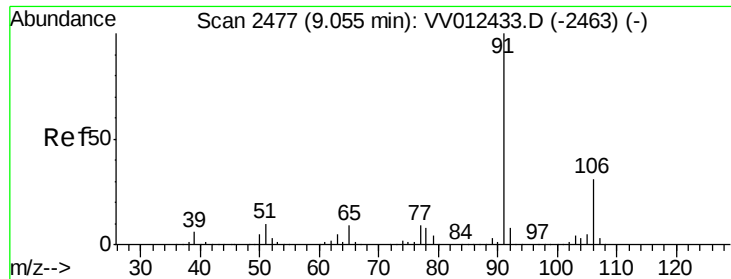
#51
Chlorobenzene
Concen: 4.899 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV012436.D
Acq: 28 Aug 2019 22:48

Tgt Ion:112 Resp: 311134
Ion Ratio Lower Upper
112 100
114 33.2 22.2 41.2
77 60.6 46.9 70.3



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): VV0

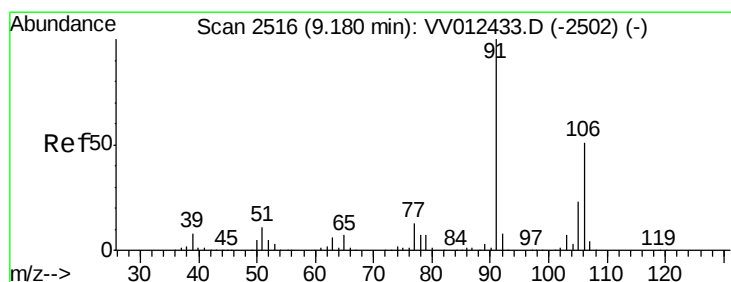
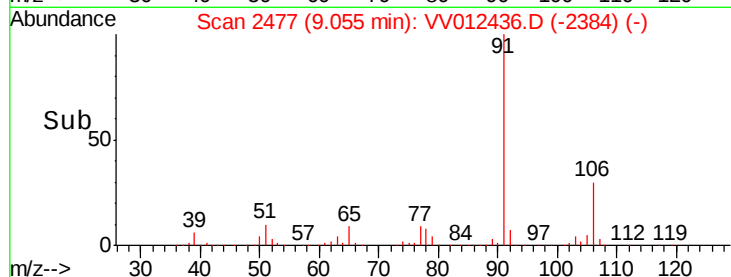
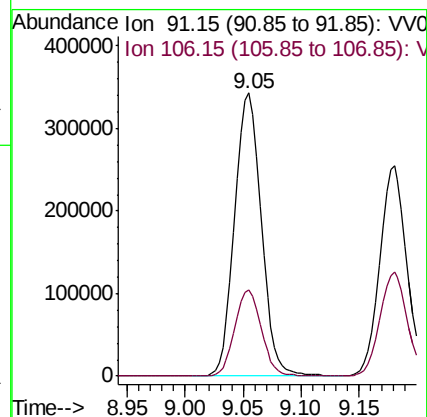
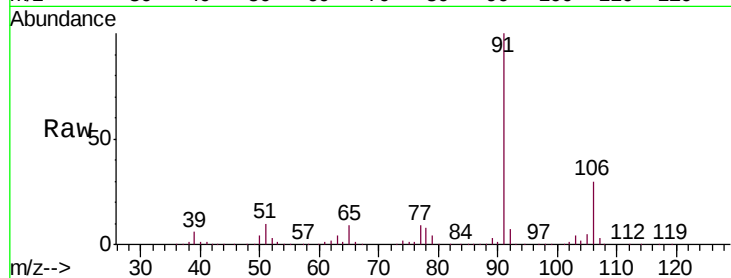




#52
Ethylbenzene
Concen: 5.121 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. -0.00 min
Lab File: VV012436.D
Acq: 28 Aug 2019 22:48

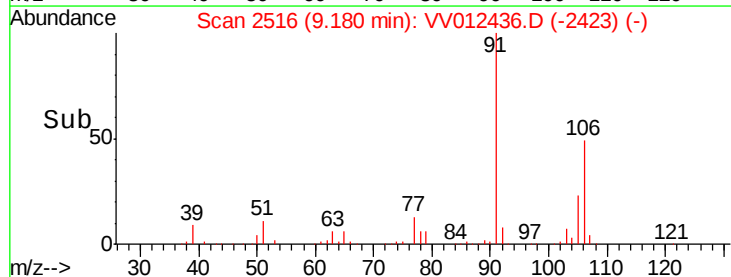
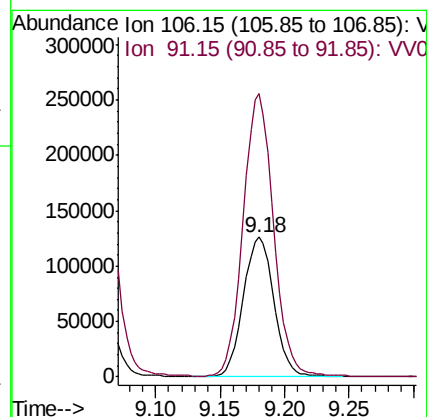
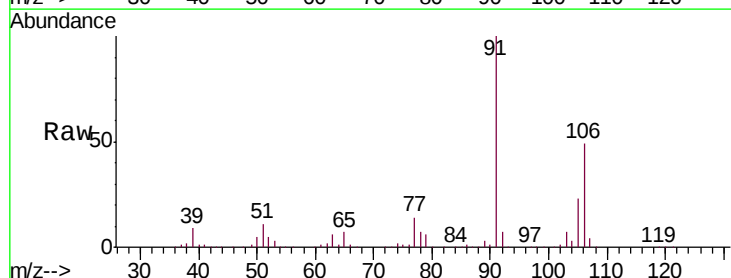
Instrument :
MSVOA_V
ClientSampleId :
VICV37

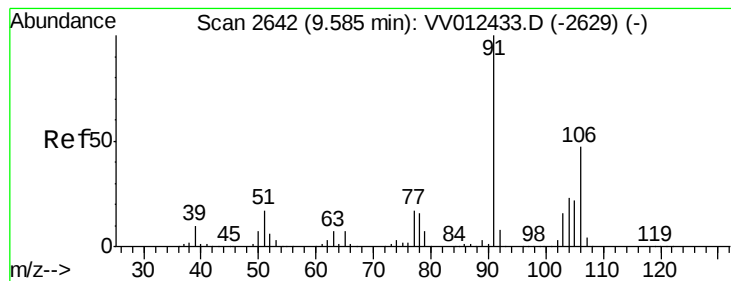
Tgt Ion: 91 Resp: 546121
Ion Ratio Lower Upper
91 100
106 30.3 21.6 40.0



#53
m,p-xylene
Concen: 5.206 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. -0.00 min
Lab File: VV012436.D
Acq: 28 Aug 2019 22:48

Tgt Ion: 106 Resp: 207062
Ion Ratio Lower Upper
106 100
91 202.9 138.7 257.7





#54

o-xylene

Concen: 5.153 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV012436.D

Acq: 28 Aug 2019 22:48

Instrument :

MSVOA_V

ClientSampleId :

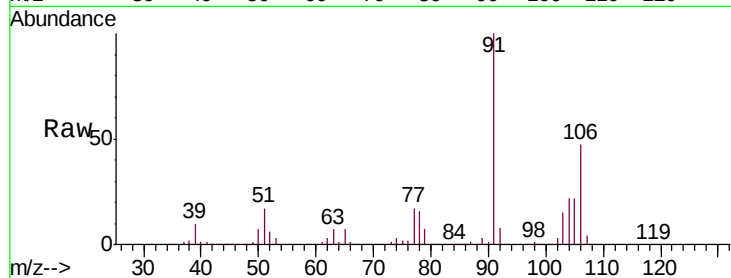
VICV37

Tgt Ion:106 Resp: 197406

Ion Ratio Lower Upper

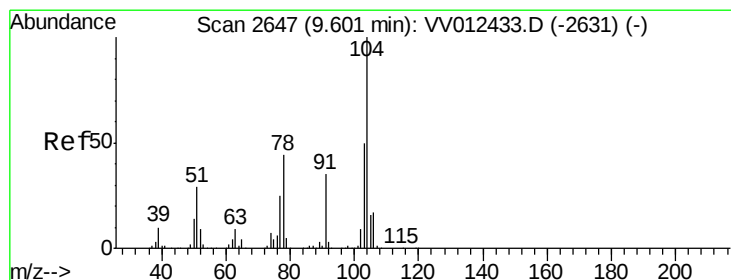
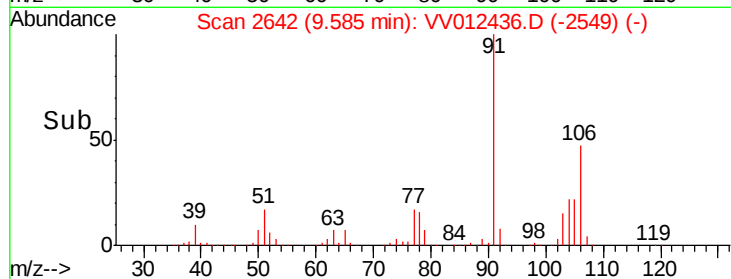
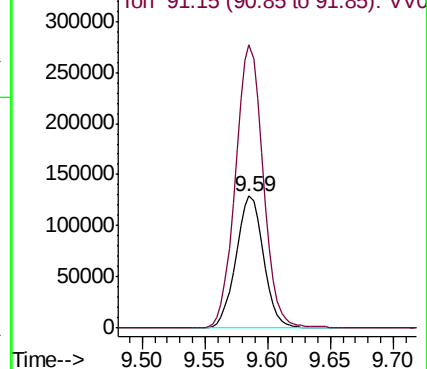
106 100

91 214.1 148.3 275.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.378 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. -0.00 min

Lab File: VV012436.D

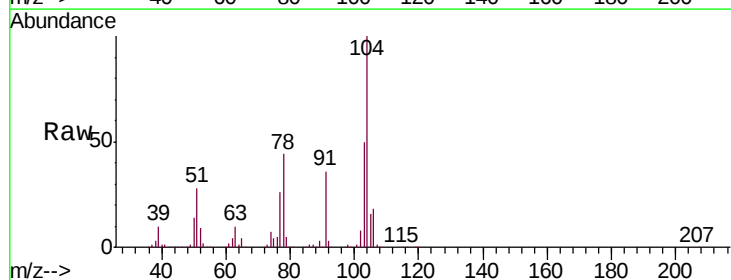
Acq: 28 Aug 2019 22:48

Tgt Ion:104 Resp: 344535

Ion Ratio Lower Upper

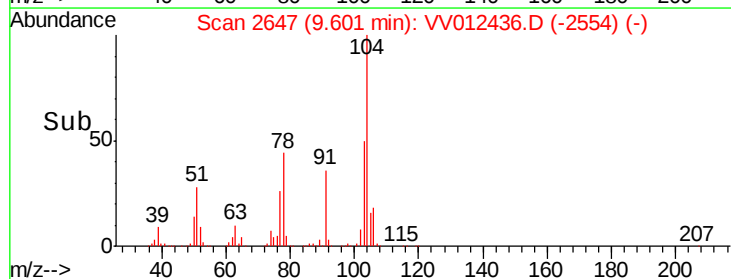
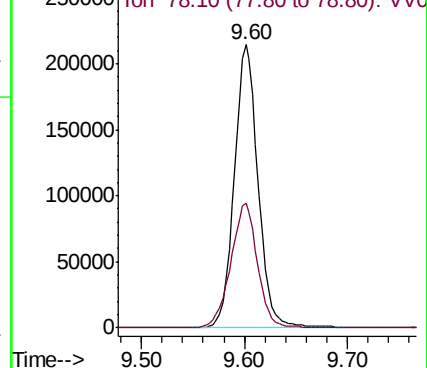
104 100

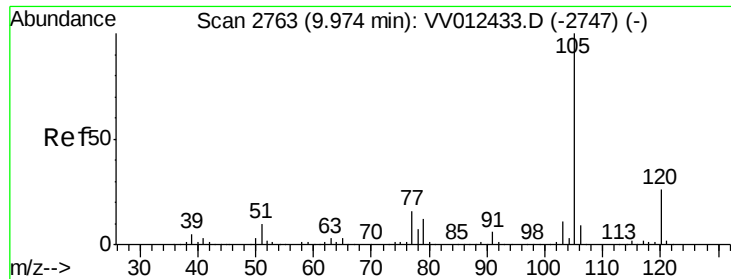
78 43.9 30.8 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.209 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV012436.D

Acq: 28 Aug 2019 22:48

Instrument :

MSVOA_V

ClientSampled :

VICV37

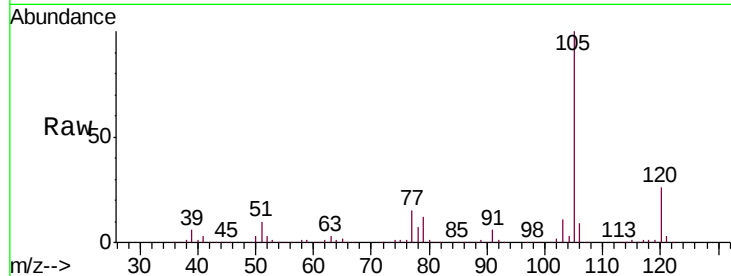
Tgt Ion: 105 Resp: 528707

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.6

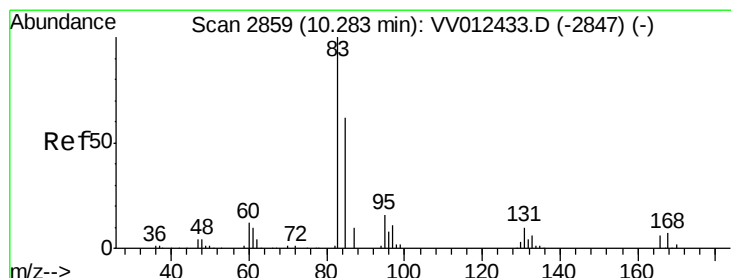
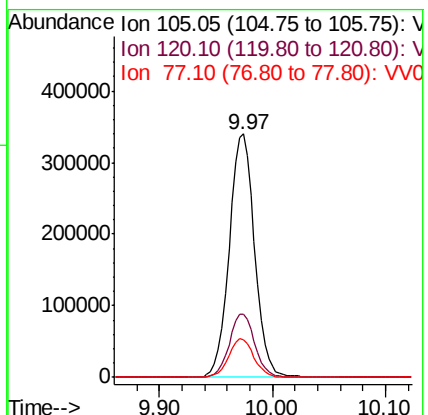
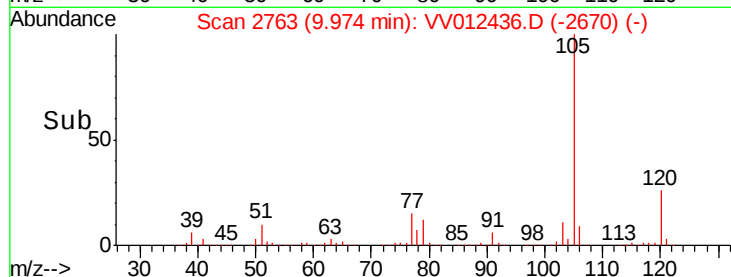
77 15.8 12.7 19.1



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: 4.894 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV012436.D

Acq: 28 Aug 2019 22:48

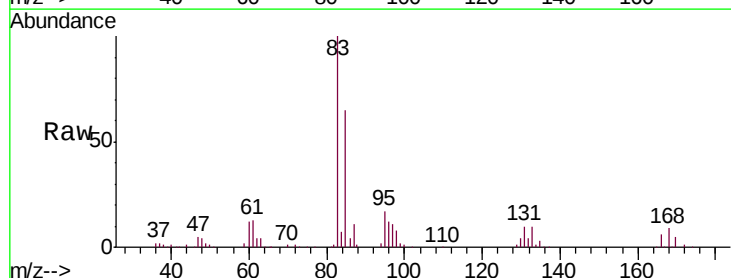
Tgt Ion: 83 Resp: 95957

Ion Ratio Lower Upper

83 100

85 65.2 44.0 81.6

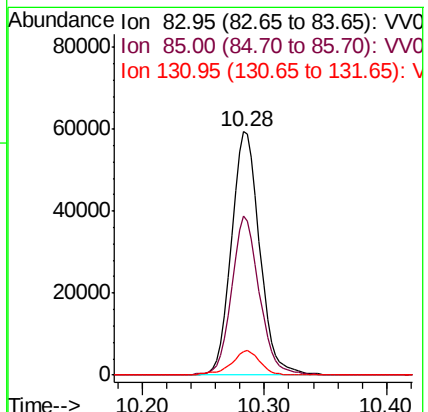
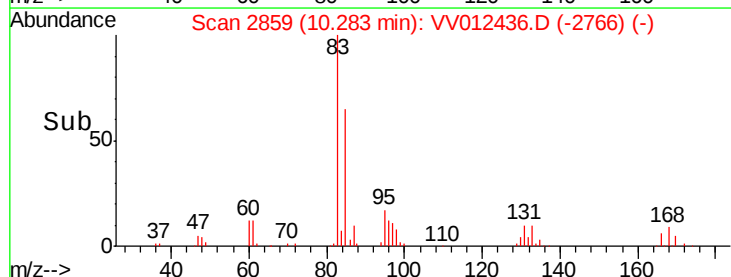
131 9.7 8.1 12.1

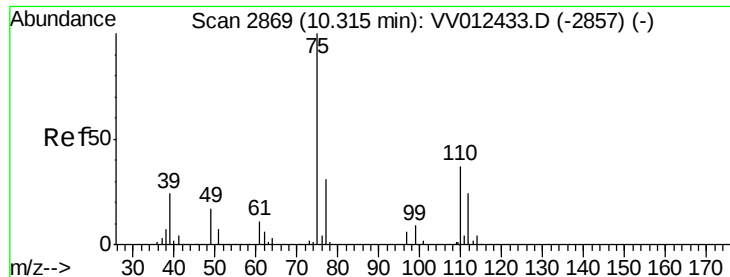


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.925 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV012436.D

Acq: 28 Aug 2019 22:48

Instrument :

MSVOA_V

ClientSampleId :

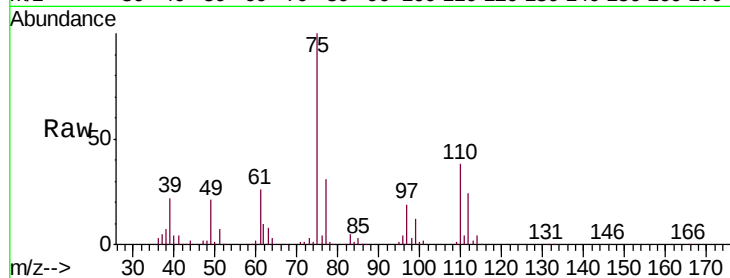
VICV37

Tgt Ion: 75 Resp: 68957

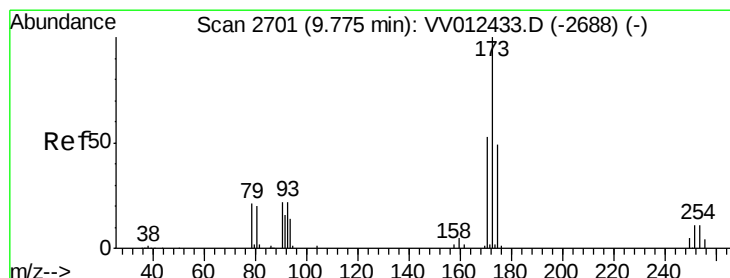
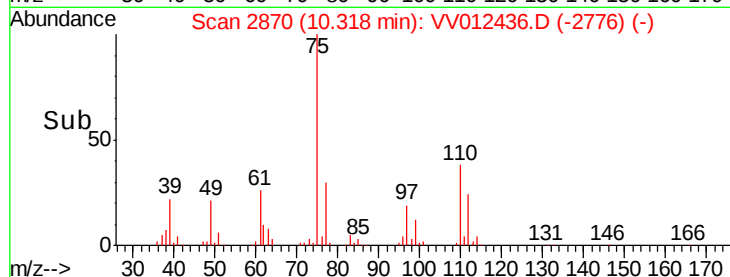
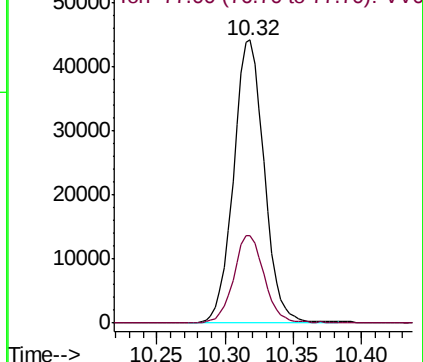
Ion Ratio Lower Upper

75 100

77 31.2 24.8 37.2



Abundance Ion 75.00 (74.70 to 75.70): VV012436.D (-2857) (-)



#61

Bromoform

Concen: 4.610 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV012436.D

Acq: 28 Aug 2019 22:48

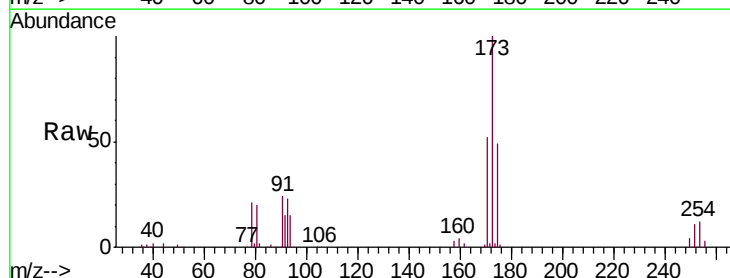
Tgt Ion: 173 Resp: 51381

Ion Ratio Lower Upper

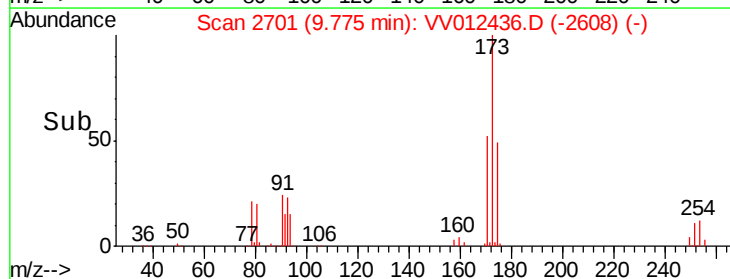
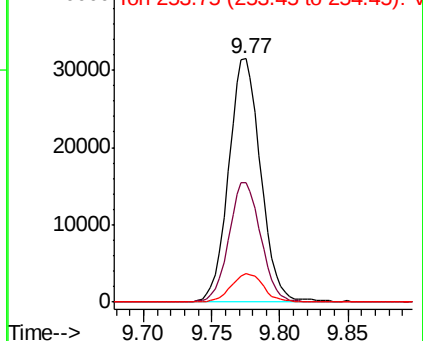
173 100

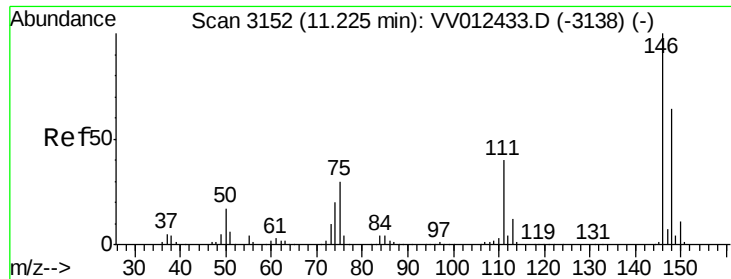
175 48.7 38.7 58.1

254 11.8 9.1 13.7



Abundance Ion 172.90 (172.60 to 173.60): VV012436.D (-2688) (-)

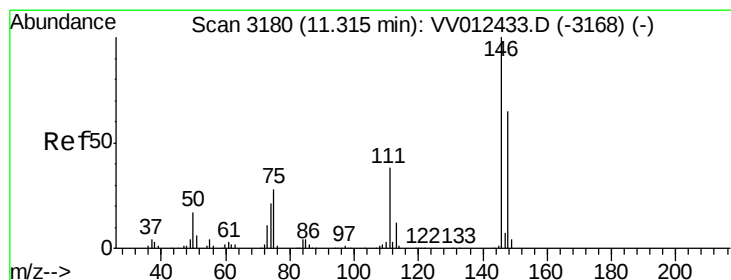
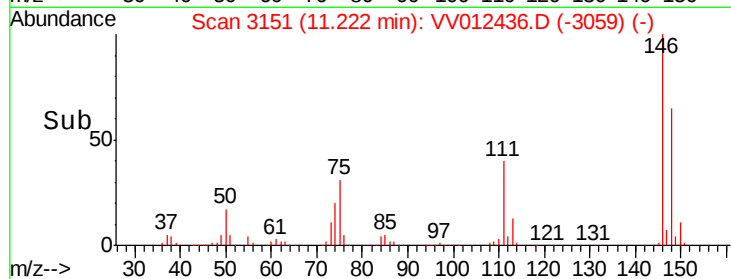
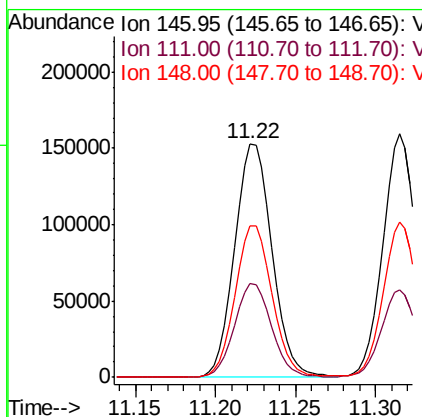
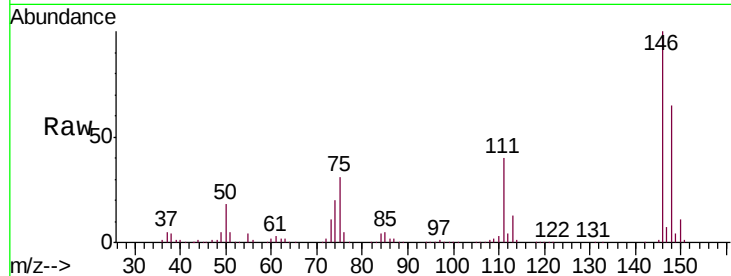




#62
 1,3-Dichlorobenzene
 Concen: 4.844 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. -0.00 min
 Lab File: VV012436.D
 Acq: 28 Aug 2019 22:48

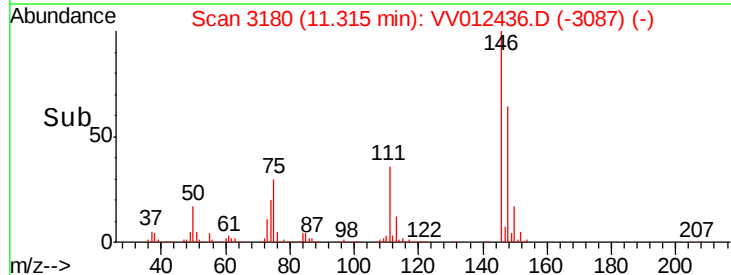
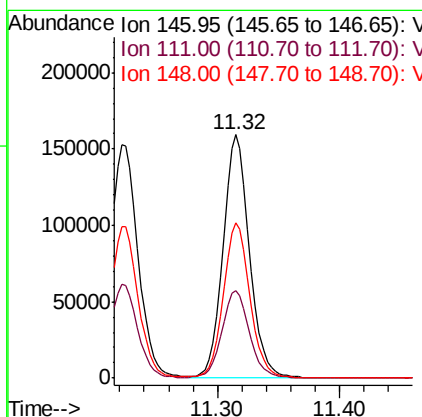
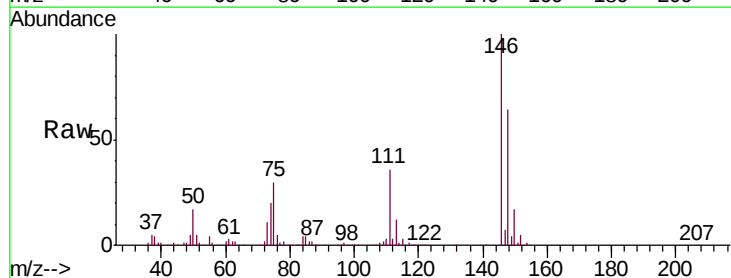
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV37

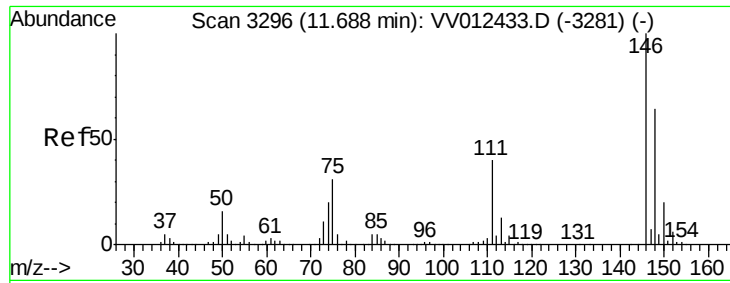
Tgt Ion:146 Resp: 243380
 Ion Ratio Lower Upper
 146 100
 111 39.9 27.9 51.7
 148 64.8 44.9 83.3



#63
 1,4-Dichlorobenzene
 Concen: 4.816 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. -0.00 min
 Lab File: VV012436.D
 Acq: 28 Aug 2019 22:48

Tgt Ion:146 Resp: 241936
 Ion Ratio Lower Upper
 146 100
 111 36.1 26.6 49.4
 148 63.8 45.8 85.0





#65

1,2-Dichlorobenzene

Concen: 4.770 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV012436.D

Acq: 28 Aug 2019 22:48

Instrument :

MSVOA_V

ClientSampleId :

VICV37

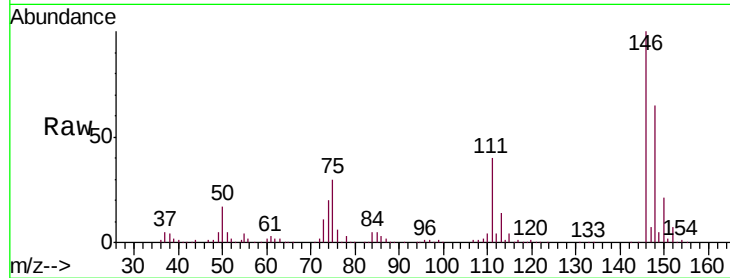
Tgt Ion:146 Resp: 223854

Ion Ratio Lower Upper

146 100

111 40.0 31.9 47.9

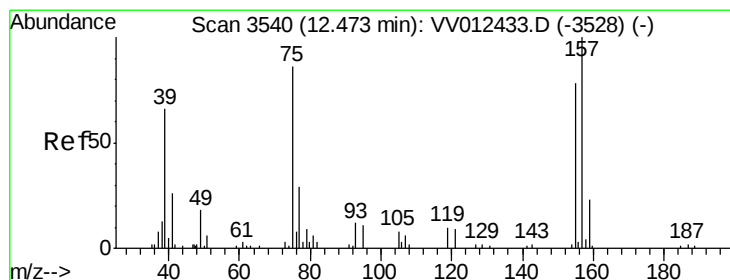
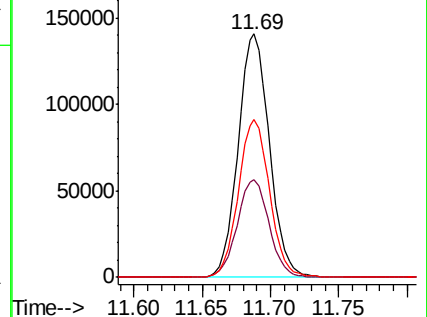
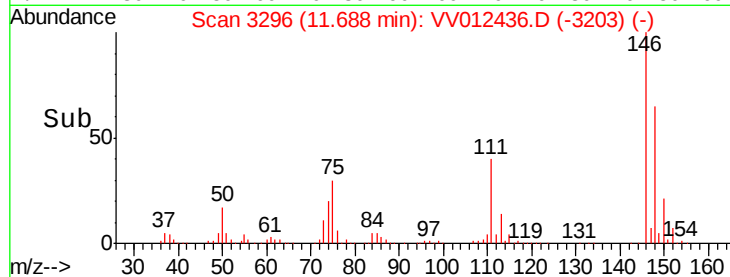
148 64.7 50.8 76.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.544 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. -0.00 min

Lab File: VV012436.D

Acq: 28 Aug 2019 22:48

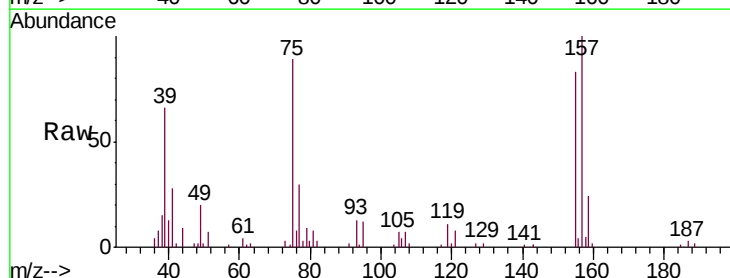
Tgt Ion: 75 Resp: 14860

Ion Ratio Lower Upper

75 100

155 93.6 72.4 108.6

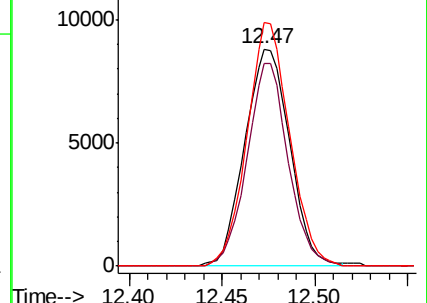
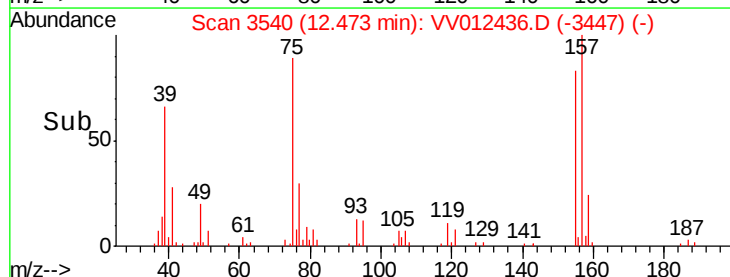
157 112.3 92.7 139.1

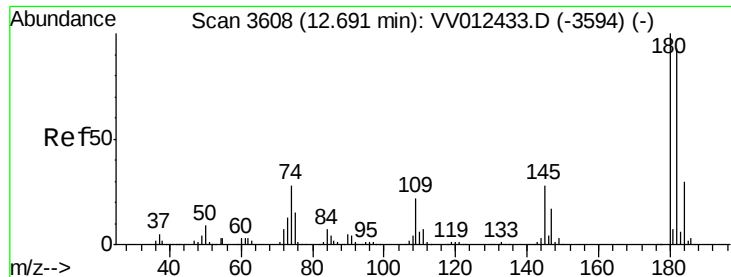


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

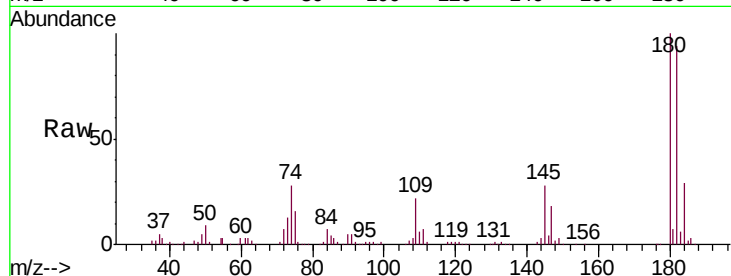




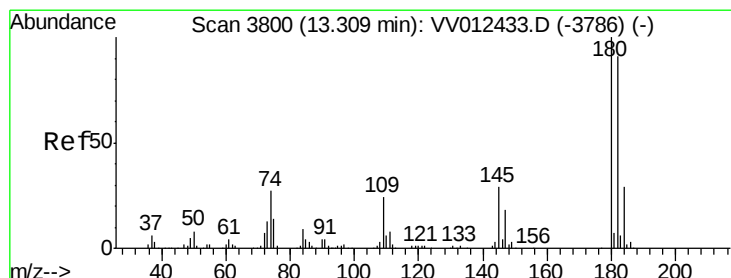
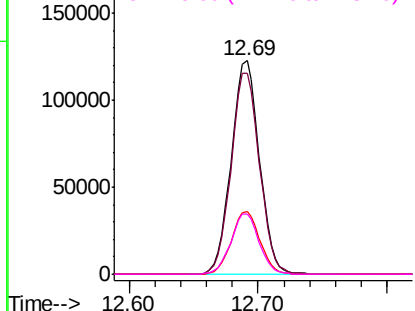
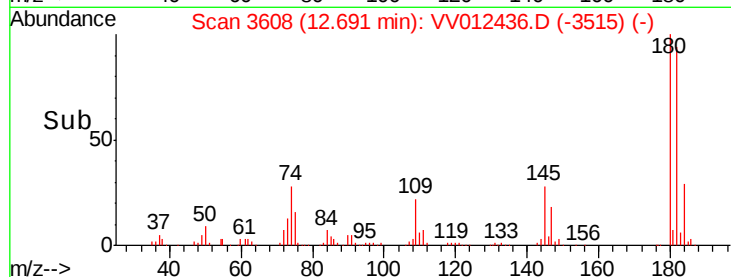
#67
 1,3,5-Trichlorobenzene
 Concen: 4.779 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV012436.D
 Acq: 28 Aug 2019 22:48

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV37

Tgt Ion:	180	Resp:	185980
Ion	Ratio	Lower	Upper
180	100		
182	95.0	74.8	112.2
184	29.6	24.1	36.1
145	28.3	22.2	33.4

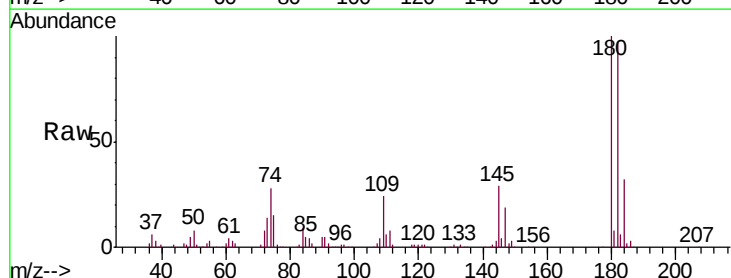


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

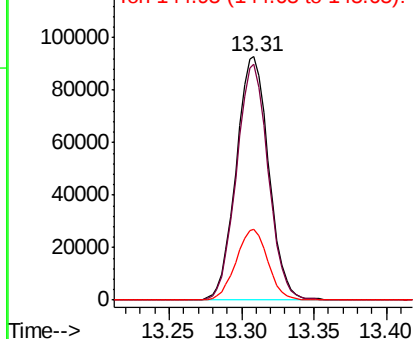
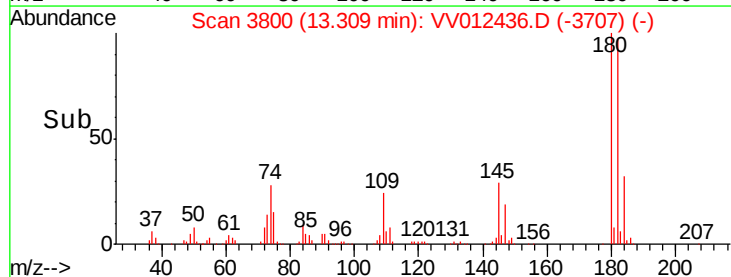


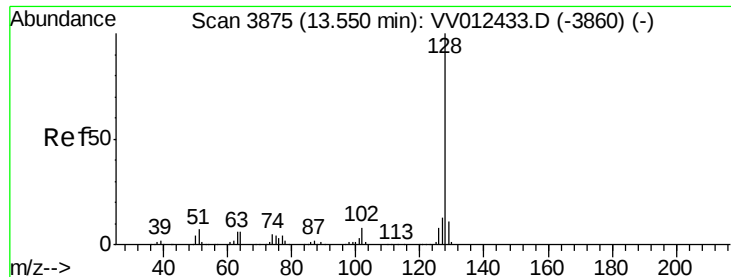
#68
 1,2,4-trichlorobenzene
 Concen: 4.788 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV012436.D
 Acq: 28 Aug 2019 22:48

Tgt Ion:	180	Resp:	145092
Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.4	113.2
145	28.4	22.9	34.3



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: 4.702 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV012436.D

Acq: 28 Aug 2019 22:48

Instrument :

MSVOA_V

ClientSampleId :

VICV37

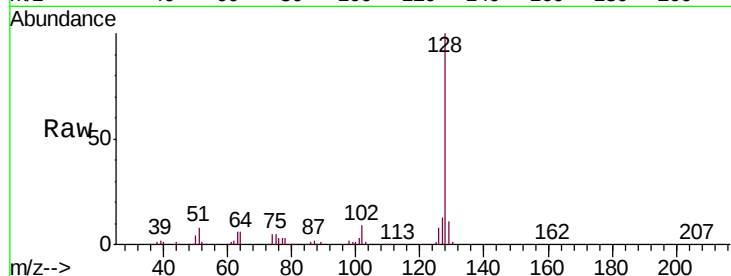
Tgt Ion:128 Resp: 220824

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

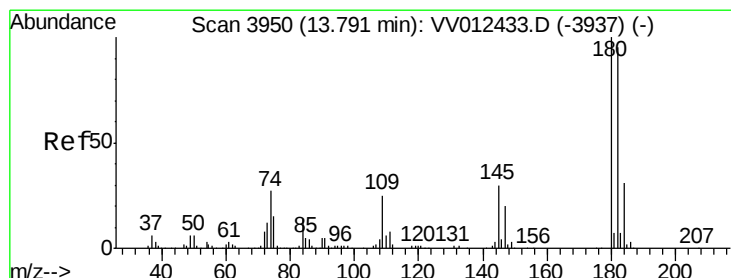
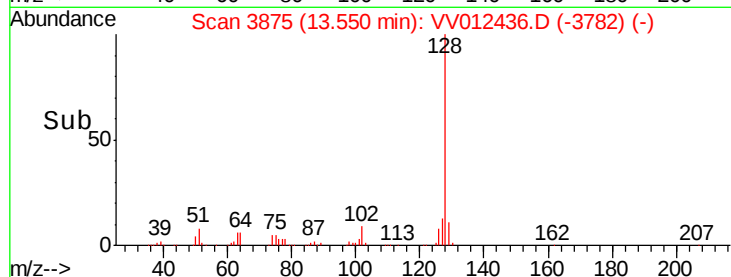
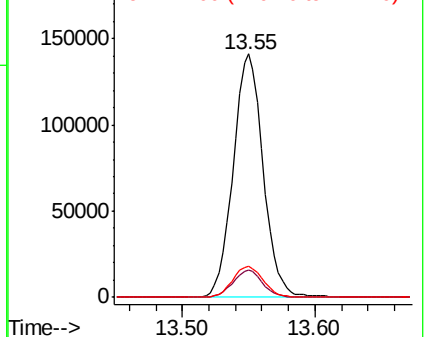
127 13.1 10.3 15.5



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: 4.837 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV012436.D

Acq: 28 Aug 2019 22:48

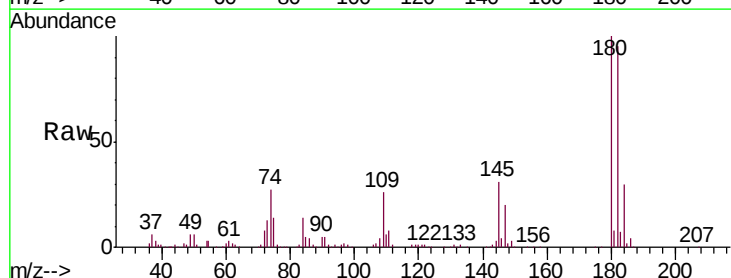
Tgt Ion:180 Resp: 140599

Ion Ratio Lower Upper

180 100

182 95.6 76.1 114.1

145 30.9 24.6 37.0



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

