

Data File : VU035209.D
Acq On : 17 Oct 2019 13:45
Operator : JC/SP
Sample : VSTDICV005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV05

Quant Time: Oct 18 03:05:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 18 02:50:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	390230	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	374651	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	179546	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	113414	4.77	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.40%
7) Chloroethane-d5	1.93	69	104790	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.40%
11) 1,1-Dichloroethene-d2	2.59	63	218557	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.40%
20) 2-Butanone-d5	4.72	46	336676	49.24	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.48%
24) Chloroform-d	5.11	84	210213	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	5.75	65	118224	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.77	84	411939	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
36) 1,2-Dichloropropane-d6	6.73	67	132366	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.40%
41) Toluene-d8	7.93	98	389523	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
43) trans-1,3-Dichloropropene-	8.21	79	62397	4.73	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.60%
46) 2-Hexanone-d5	8.69	63	288715	49.59	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.18%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	118913	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	153197	4.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	166766	5.021	ug/L 98
3) Chloromethane	1.53	50	164407	4.990	ug/L 99
5) Vinyl chloride	1.62	62	186410	5.509	ug/L 99
6) Bromomethane	1.87	94	98800	4.946	ug/L 99
8) Chloroethane	1.95	64	105558	4.839	ug/L 98
9) Trichlorofluoromethane	2.16	101	210918	4.669	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	118326	4.547	ug/L 97
12) 1,1-Dichloroethene	2.61	96	116655	4.653	ug/L 92
13) Acetone	2.69	43	234583	49.319	ug/L 99
14) Carbon disulfide	2.82	76	389107	4.908	ug/L 100
15) Methyl Acetate	3.01	43	51339	4.332	ug/L 96
16) Methylene chloride	3.08	84	133419	4.424	ug/L 97
17) Methyl tert-butyl Ether	3.43	73	314623	4.663	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	127293	4.705	ug/L 96
19) 1,1-Dichloroethane	3.92	63	231067	4.723	ug/L 99
21) 2-Butanone	4.79	43	383144	49.423	ug/L 99
22) cis-1,2-Dichloroethene	4.72	96	141723	4.739	ug/L 99

Data File : VU035209.D
Acq On : 17 Oct 2019 13:45
Operator : JC/SP
Sample : VSTDICV005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

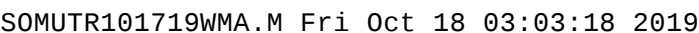
Instrument :
MSVOA_U
ClientSampleId :
VICV05

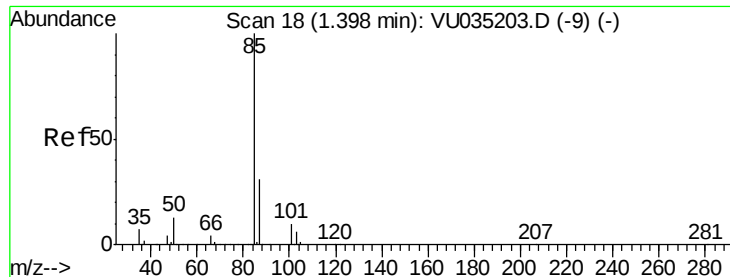
Quant Time: Oct 18 03:05:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 18 02:50:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	62442	4.851	ug/L	99
25) Chloroform	5.14	83	249563	4.649	ug/L	99
27) 1,2-Dichloroethane	5.84	62	157411	4.781	ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	208545	4.752	ug/L	100
30) Cyclohexane	5.43	56	219867	4.678	ug/L	99
31) Carbon tetrachloride	5.56	117	185172	4.686	ug/L	99
33) Benzene	5.82	78	519815	4.716	ug/L	100
34) Trichloroethene	6.58	95	138136	4.661	ug/L	97
35) Methylcyclohexane	6.80	83	225648	4.556	ug/L	99
37) 1,2-Dichloropropane	6.83	63	131661	4.705	ug/L	100
38) Bromodichloromethane	7.15	83	177295	4.703	ug/L	99
39) cis-1,3-Dichloropropene	7.65	75	213907	4.567	ug/L	98
40) 4-Methyl-2-pentanone	7.85	43	898157	47.544	ug/L	99
42) Toluene	8.01	91	568277	4.670	ug/L	99
44) trans-1,3-Dichloropropene	8.25	75	181172	4.733	ug/L	100
45) 1,1,2-Trichloroethane	8.44	97	98053	4.720	ug/L	99
47) Tetrachloroethene	8.58	164	117360	4.753	ug/L	95
48) 2-Hexanone	8.74	43	648209	48.927	ug/L	97
49) Dibromochloromethane	8.84	129	124071	4.711	ug/L	97
50) 1,2-Dibromoethane	8.96	107	99135	4.773	ug/L	97
51) Chlorobenzene	9.48	112	375149	4.775	ug/L	97
52) Ethylbenzene	9.60	91	646549	4.673	ug/L	100
53) m,p-Xylene	9.73	106	245471	4.698	ug/L	98
54) o-Xylene	10.13	106	238208	4.671	ug/L	98
55) Styrene	10.14	104	393779	4.743	ug/L	98
56) Isopropylbenzene	10.51	105	641748	4.678	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	125489	4.694	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	89663	4.599	ug/L	100
61) Bromoform	10.32	173	76694	4.612	ug/L	100
62) 1,3-Dichlorobenzene	11.77	146	286181	4.671	ug/L	99
63) 1,4-Dichlorobenzene	11.87	146	280233	4.652	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	271196	4.712	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	18833	4.632	ug/L	90
67) 1,3,5-Trichlorobenzene	13.25	180	201481	5.307	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	119905	4.744	ug/L	99
69) Naphthalene	14.11	128	123764	3.567	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	114713	4.854	ug/L	99

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

Quant Time: Oct 18 03:05:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 18 02:50:54 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.021 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU035209.D

Acq: 17 Oct 2019 13:45

Instrument :

MSVOA_U

ClientSampleId :

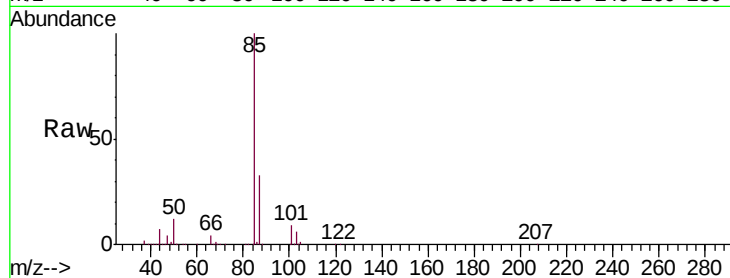
VICV05

Tgt Ion: 85 Resp: 166766

Ion Ratio Lower Upper

85 100

87 32.8 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU035203.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU035203.D (-9) (-)

1.39

150000

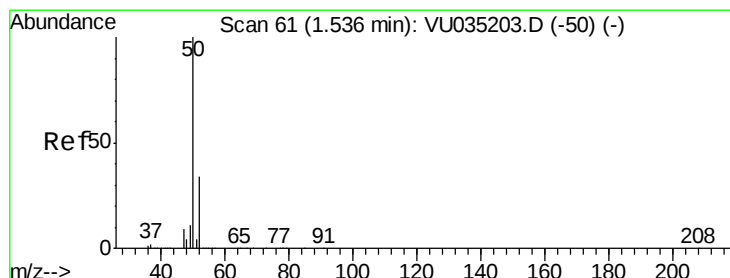
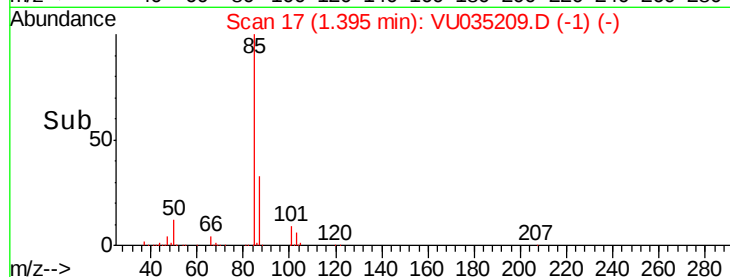
100000

50000

0

Time-->

1.35 1.40 1.45



#3

Chloromethane

Concen: 4.990 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU035209.D

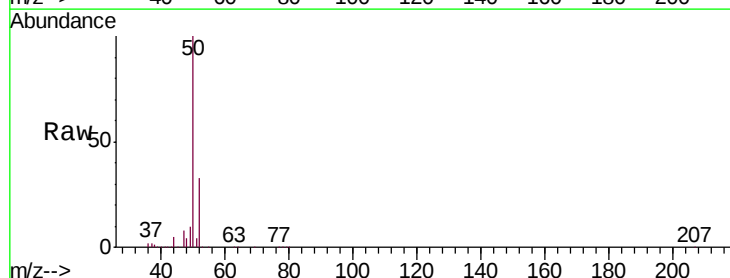
Acq: 17 Oct 2019 13:45

Tgt Ion: 50 Resp: 164407

Ion Ratio Lower Upper

50 100

52 33.0 23.5 43.7



Abundance Ion 50.05 (49.75 to 50.75): VU035203.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU035203.D (-50) (-)

1.53

150000

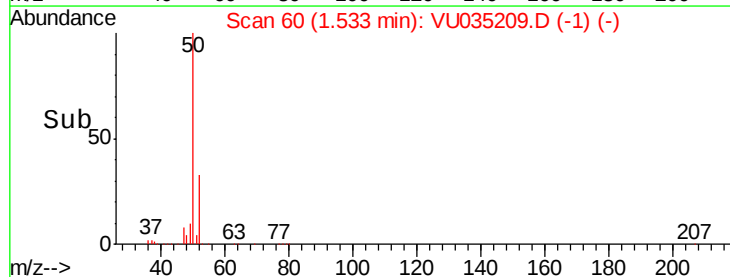
100000

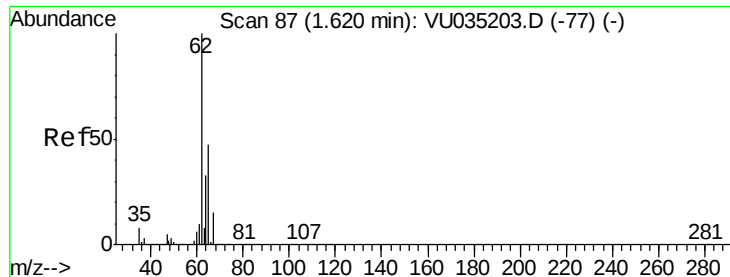
50000

0

Time-->

1.50 1.55 1.60





#5

Vinyl chloride

Concen: 5.509 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU035209.D

Acq: 17 Oct 2019 13:45

Instrument :

MSVOA_U

ClientSampleId :

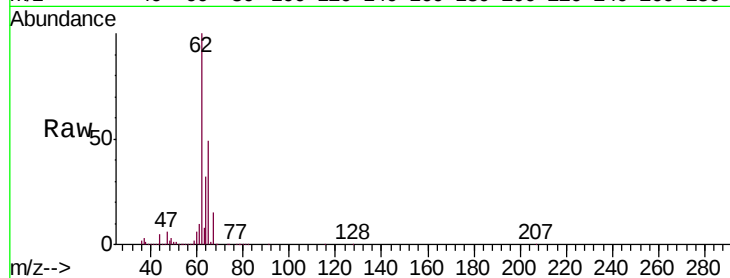
VICV05

Tgt Ion: 62 Resp: 186410

Ion Ratio Lower Upper

62 100

64 32.1 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU035203.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU035209.D (-1) (-)

1.62

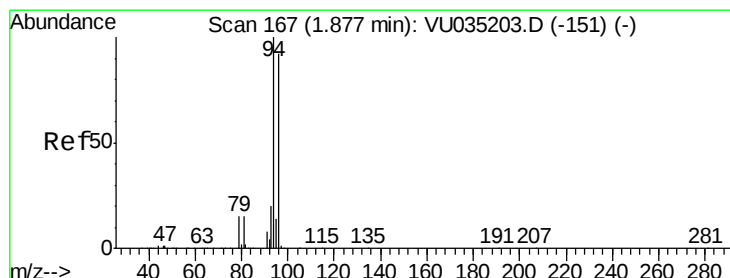
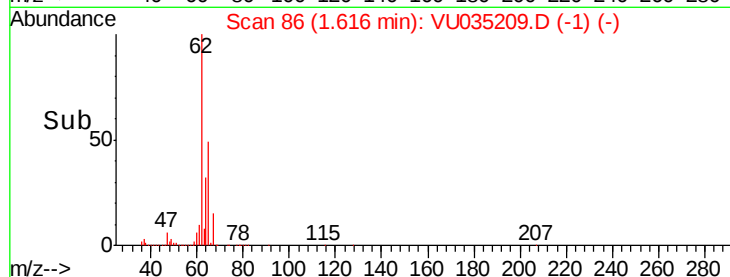
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 4.946 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU035209.D

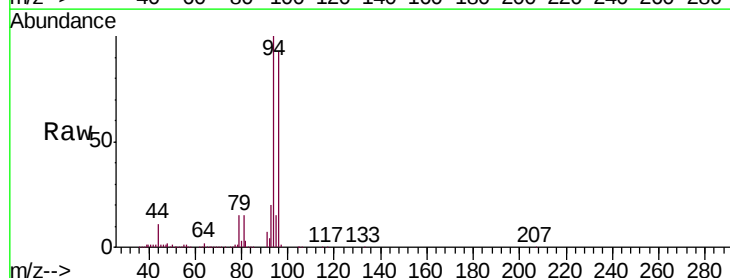
Acq: 17 Oct 2019 13:45

Tgt Ion: 94 Resp: 98800

Ion Ratio Lower Upper

94 100

96 93.0 64.6 120.0



Abundance Ion 94.00 (93.70 to 94.70): VU035203.D (-151) (-)

Ion 96.00 (95.70 to 96.70): VU035209.D (-74) (-)

1.87

80000

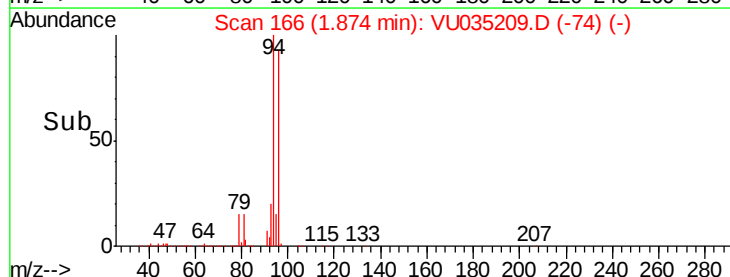
60000

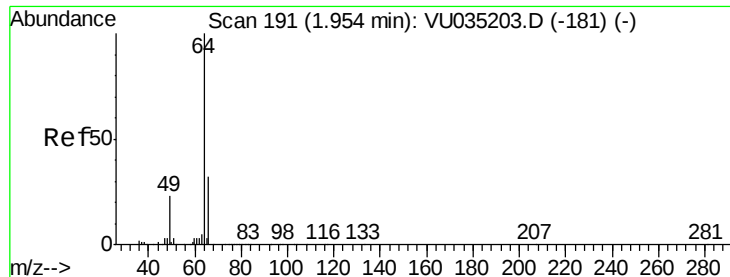
40000

20000

0

Time-->

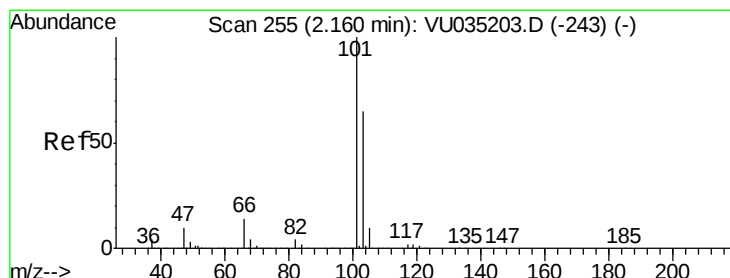
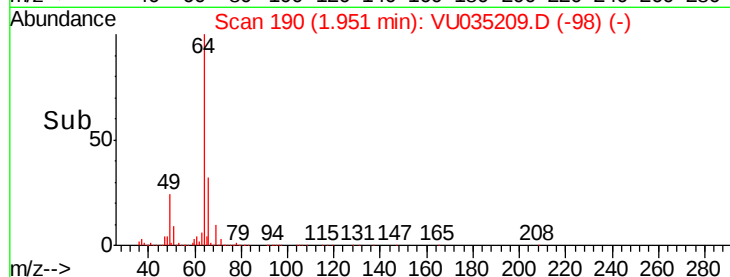
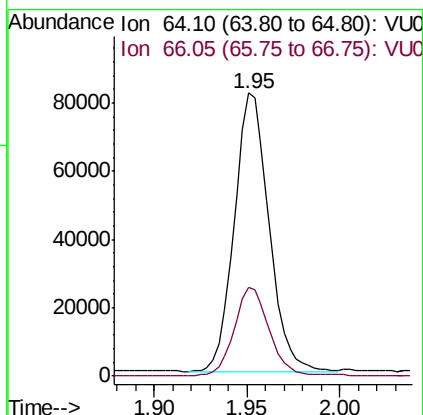
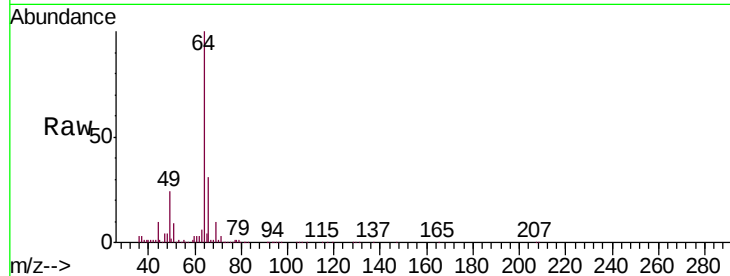




#8
Chloroethane
Concen: 4.839 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU035209.D
Acq: 17 Oct 2019 13:45

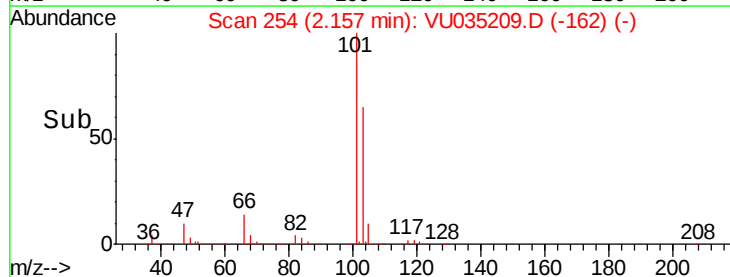
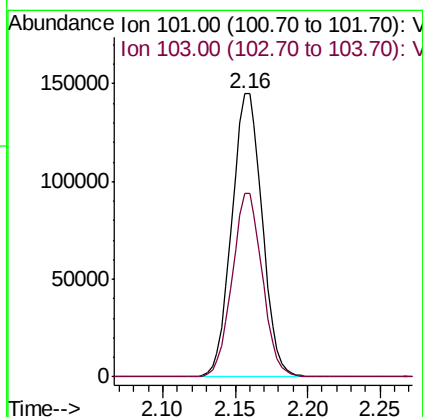
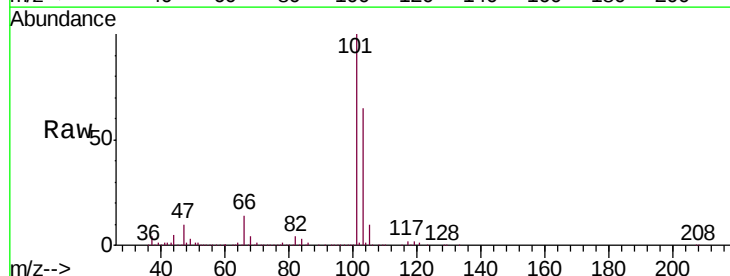
Instrument :
MSVOA_U
ClientSampleId :
VICV05

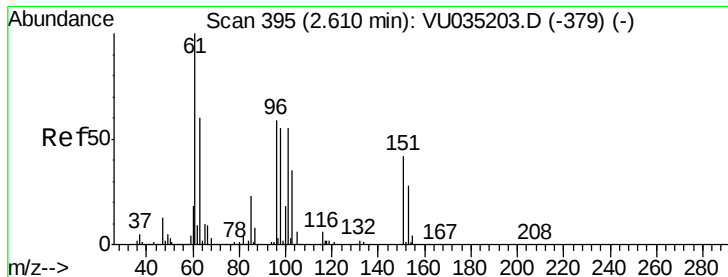
Tgt Ion: 64 Resp: 105558
Ion Ratio Lower Upper
64 100
66 31.5 22.7 42.1



#9
Trichlorofluoromethane
Concen: 4.669 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU035209.D
Acq: 17 Oct 2019 13:45

Tgt Ion: 101 Resp: 210918
Ion Ratio Lower Upper
101 100
103 64.2 51.9 77.9





#10

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

Concen: 4.547 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035209.D

Acq: 17 Oct 2019 13:45

Instrument :

MSVOA_U

ClientSampleId :

VICV05

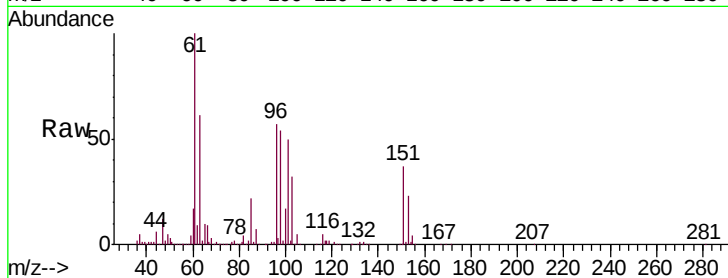
Tgt Ion: 101 Resp: 118326

Ion Ratio Lower Upper

101 100

85 44.3 33.9 50.9

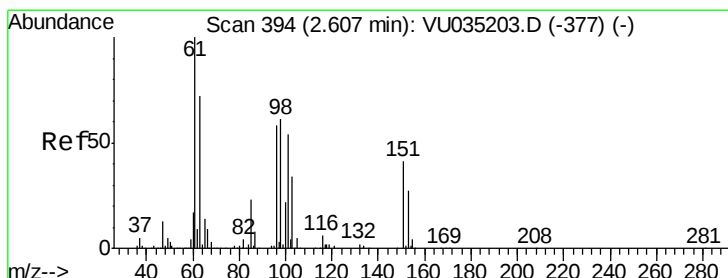
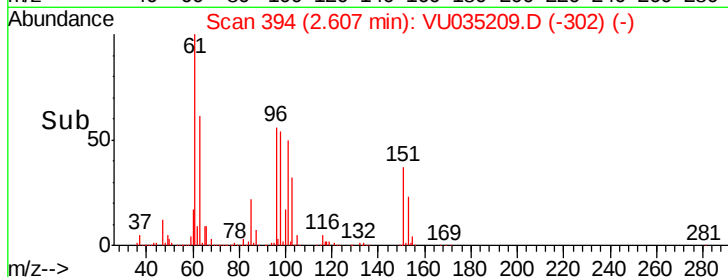
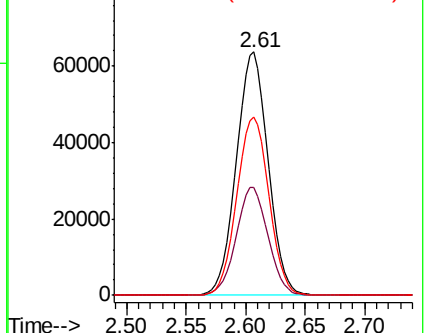
151 73.9 61.0 91.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.653 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035209.D

Acq: 17 Oct 2019 13:45

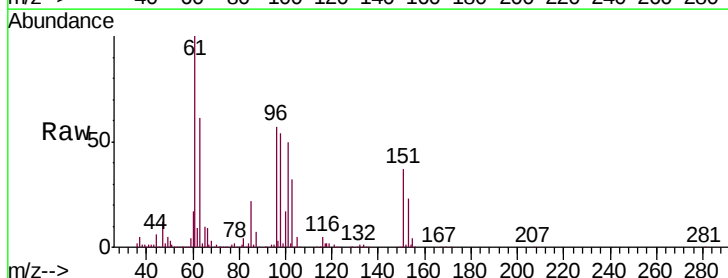
Tgt Ion: 96 Resp: 116655

Ion Ratio Lower Upper

96 100

61 176.7 120.6 224.0

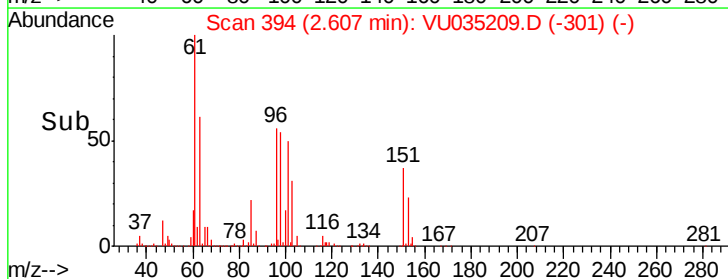
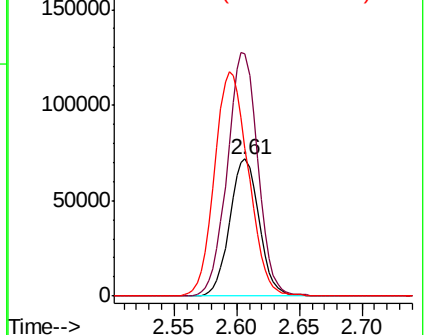
63 107.8 86.8 161.2

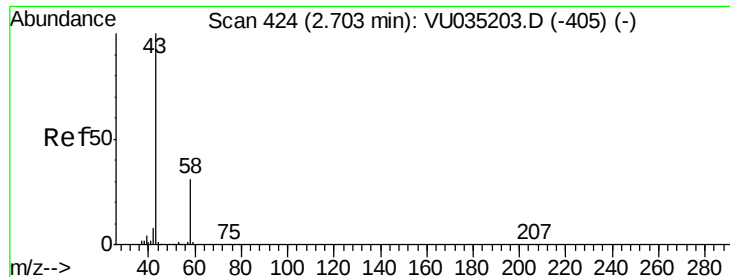


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.319 ug/L

RT: 2.69 min Scan# 419

Delta R.T. -0.02 min

Lab File: VU035209.D

Acq: 17 Oct 2019 13:45

Instrument :

MSVOA_U

ClientSampleId :

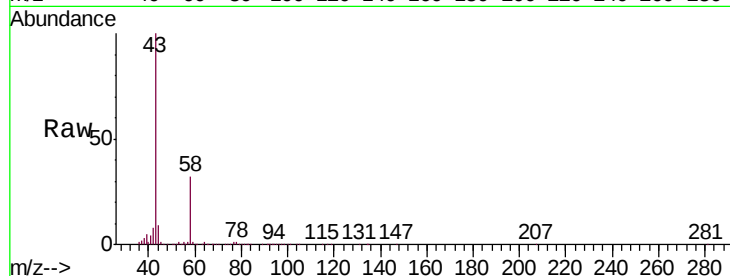
VICV05

Tgt Ion: 43 Resp: 234583

Ion Ratio Lower Upper

43 100

58 31.7 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU035209.D (-405) (-)

Ion 58.05 (57.75 to 58.75): VU035209.D (-405) (-)

2.69

100000

80000

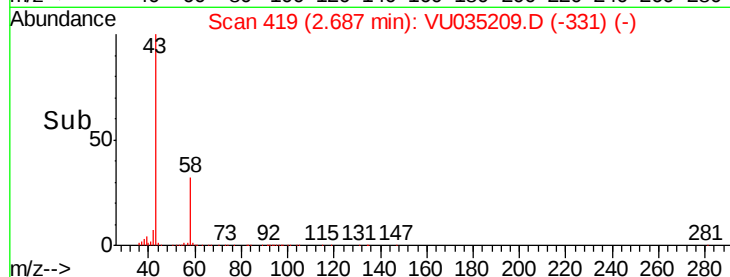
60000

40000

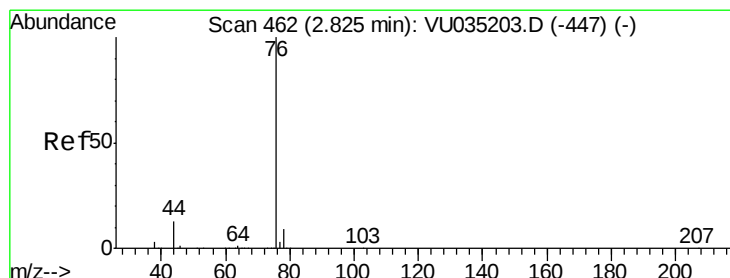
20000

0

Time-->



Time-->



#14

Carbon disulfide

Concen: 4.908 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.01 min

Lab File: VU035209.D

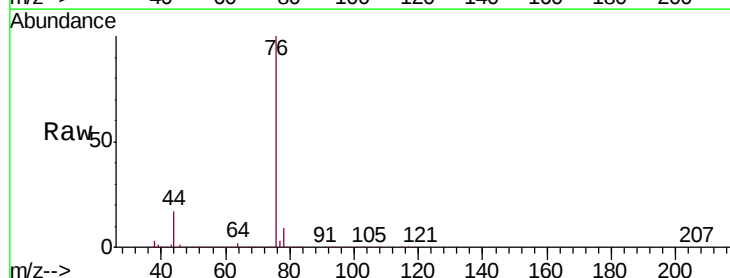
Acq: 17 Oct 2019 13:45

Tgt Ion: 76 Resp: 389107

Ion Ratio Lower Upper

76 100

78 9.4 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VU035209.D (-447) (-)

Ion 78.00 (77.70 to 78.70): VU035209.D (-447) (-)

2.82

250000

200000

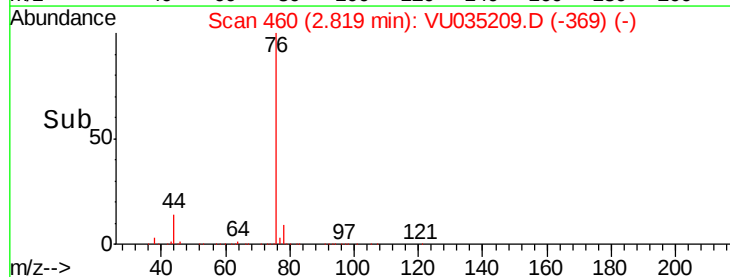
150000

100000

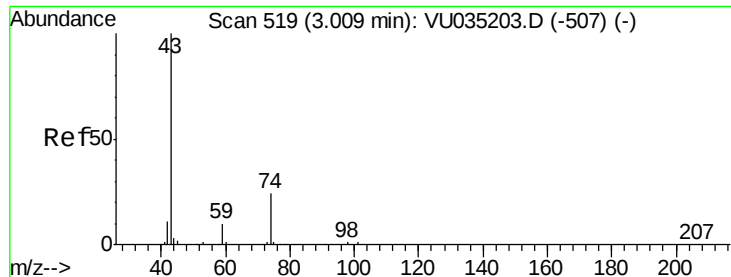
50000

0

Time-->



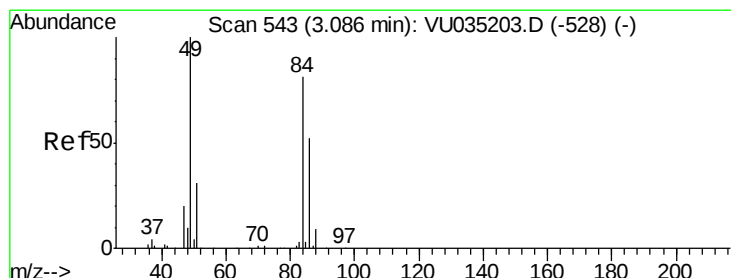
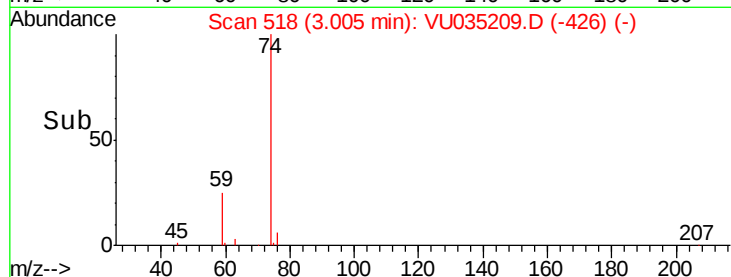
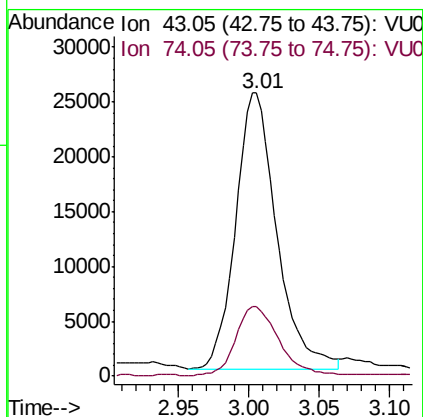
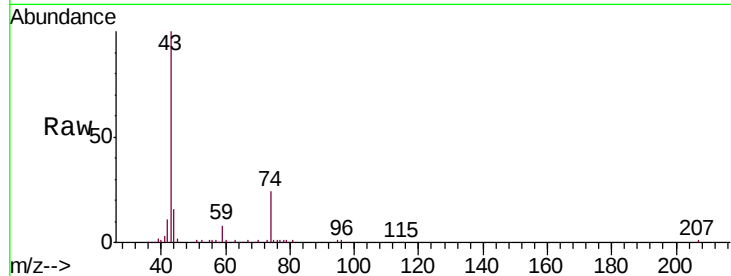
Time-->



#15
Methyl Acetate
Concen: 4.332 ug/L
RT: 3.01 min Scan# 518
Delta R.T. -0.00 min
Lab File: VU035209.D
Acq: 17 Oct 2019 13:45

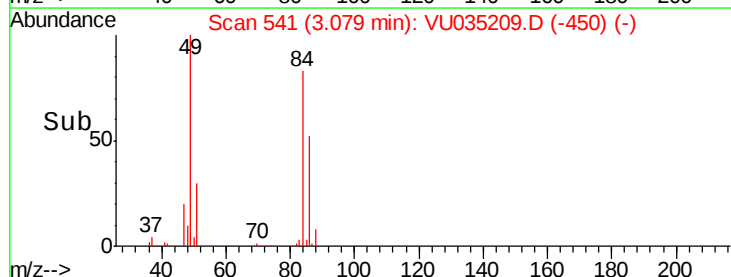
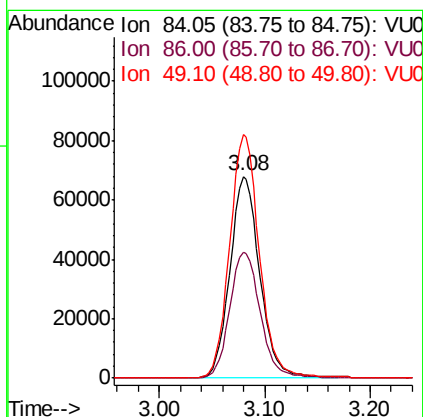
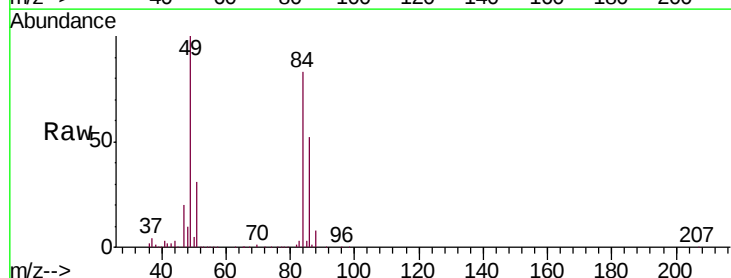
Instrument :
MSVOA_U
ClientSampleId :
VICV05

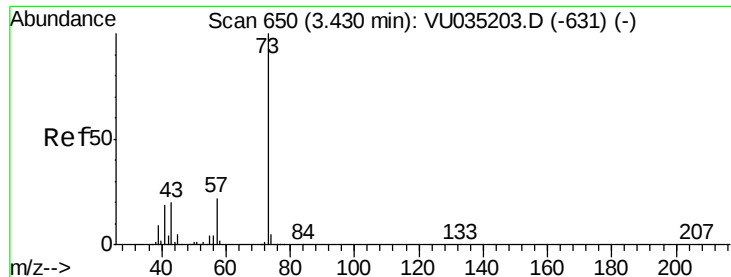
Tgt Ion: 43 Resp: 51339
Ion Ratio Lower Upper
43 100
74 27.5 20.3 30.5



#16
Methylene chloride
Concen: 4.424 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.01 min
Lab File: VU035209.D
Acq: 17 Oct 2019 13:45

Tgt Ion: 84 Resp: 133419
Ion Ratio Lower Upper
84 100
86 62.5 45.4 84.2
49 120.7 86.8 161.2

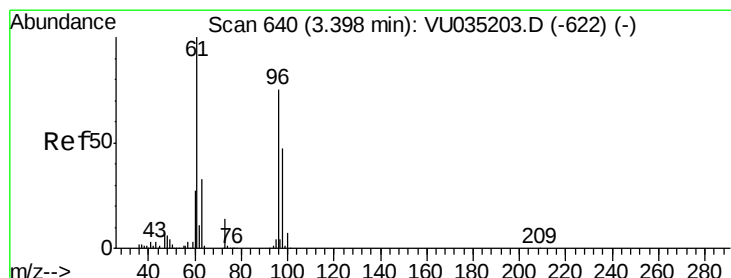
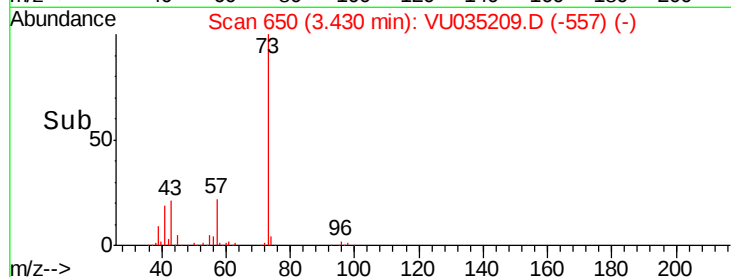
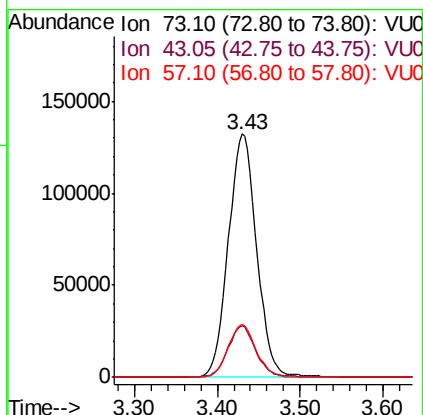
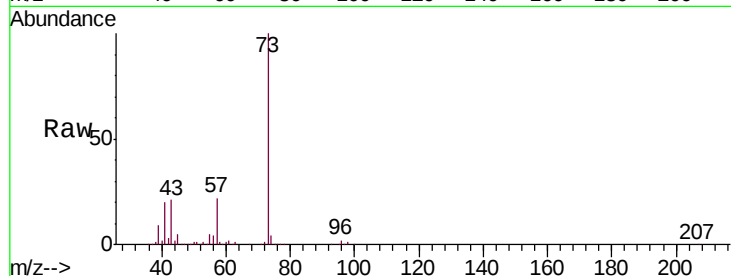




#17
Methyl tert-butyl Ether
Concen: 4.663 ug/L
RT: 3.43 min Scan# 650
Delta R.T. -0.00 min
Lab File: VU035209.D
Acq: 17 Oct 2019 13:45

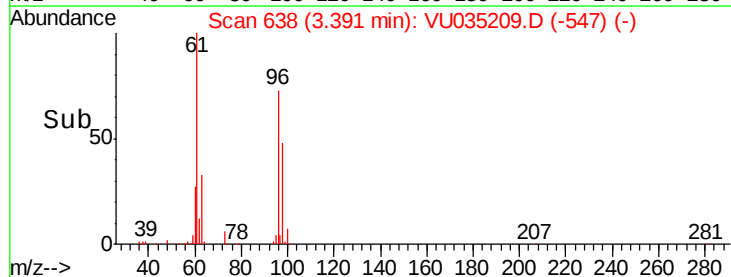
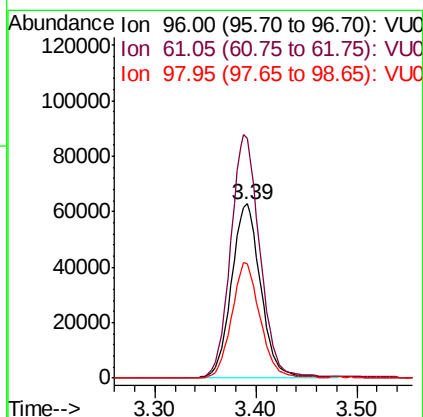
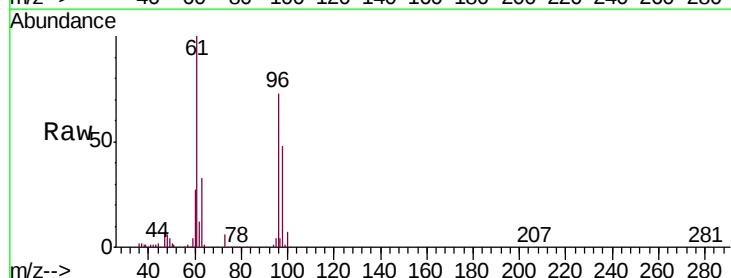
Instrument :
MSVOA_U
ClientSampleId :
VICV05

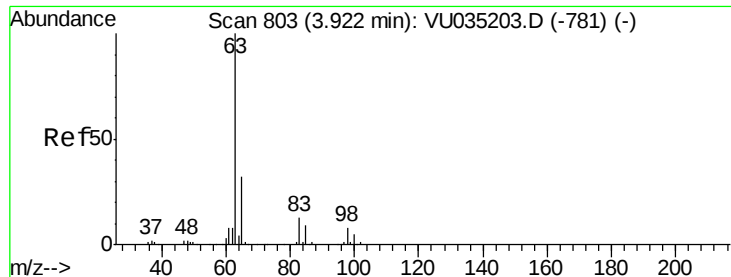
Tgt Ion: 73 Resp: 314623
Ion Ratio Lower Upper
73 100
43 20.5 16.0 24.0
57 21.5 17.4 26.2



#18
trans-1,2-Dichloroethene
Concen: 4.705 ug/L
RT: 3.39 min Scan# 638
Delta R.T. -0.01 min
Lab File: VU035209.D
Acq: 17 Oct 2019 13:45

Tgt Ion: 96 Resp: 127293
Ion Ratio Lower Upper
96 100
61 137.5 93.0 172.6
98 65.5 43.7 81.1





#19

1,1-Dichloroethane

Concen: 4.723 ug/L

RT: 3.92 min Scan# 802

Delta R.T. -0.00 min

Lab File: VU035209.D

Acq: 17 Oct 2019 13:45

Instrument :

MSVOA_U

ClientSampleId :

VICV05

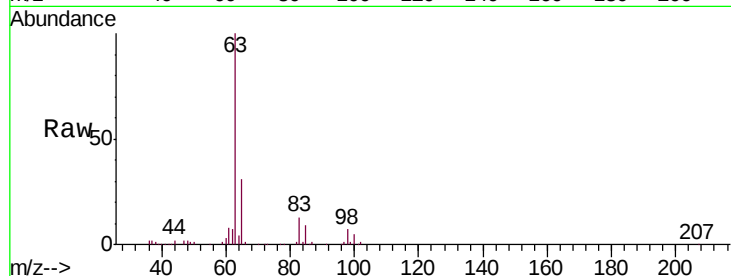
Tgt Ion: 63 Resp: 231067

Ion Ratio Lower Upper

63 100

65 31.2 22.4 41.6

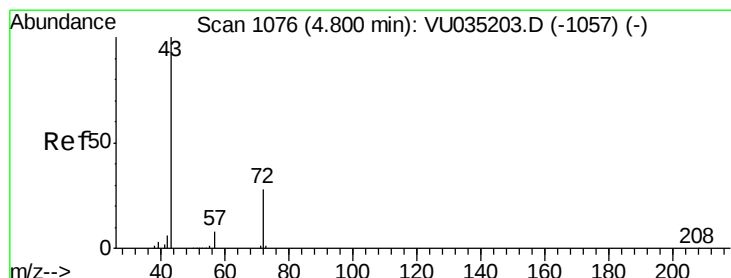
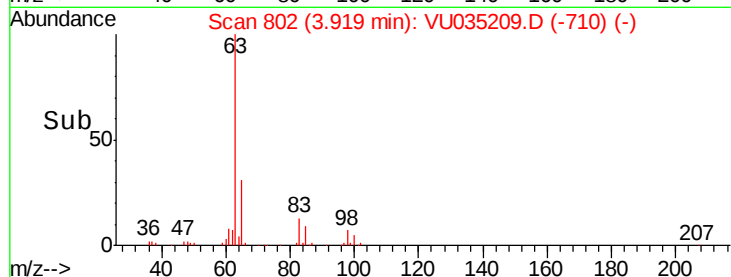
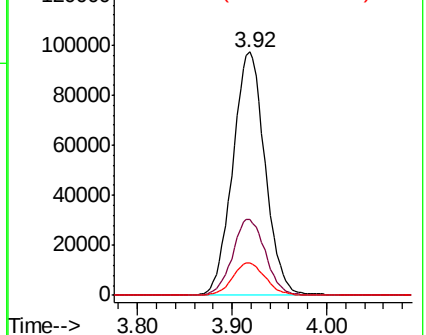
83 13.4 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU035209.D (-781) (-)

Ion 65.10 (64.80 to 65.80): VU035209.D (-781) (-)

Ion 83.05 (82.75 to 83.75): VU035209.D (-781) (-)



#21

2-Butanone

Concen: 49.423 ug/L

RT: 4.79 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VU035209.D

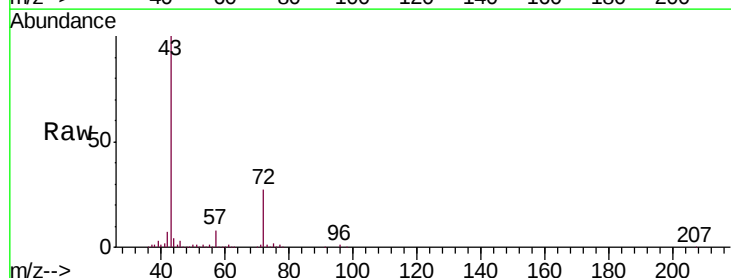
Acq: 17 Oct 2019 13:45

Tgt Ion: 43 Resp: 383144

Ion Ratio Lower Upper

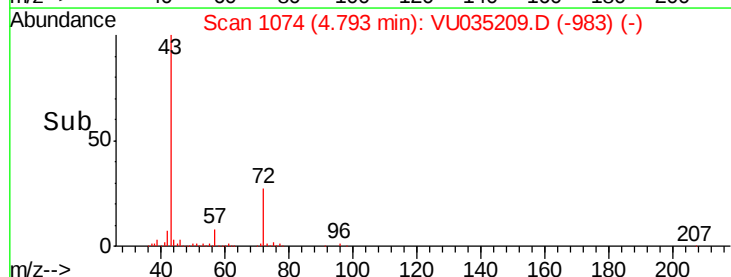
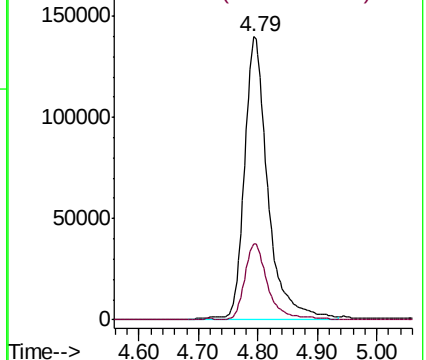
43 100

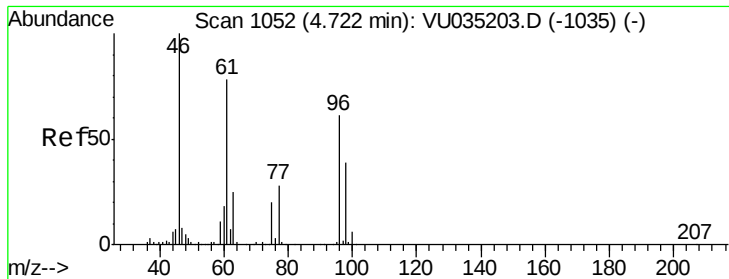
72 26.5 13.6 40.8



Abundance Ion 43.05 (42.75 to 43.75): VU035209.D (-983) (-)

Ion 72.10 (71.80 to 72.80): VU035209.D (-983) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.739 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VU035209.D

Acq: 17 Oct 2019 13:45

Instrument :

MSVOA_U

ClientSampleId :

VICV05

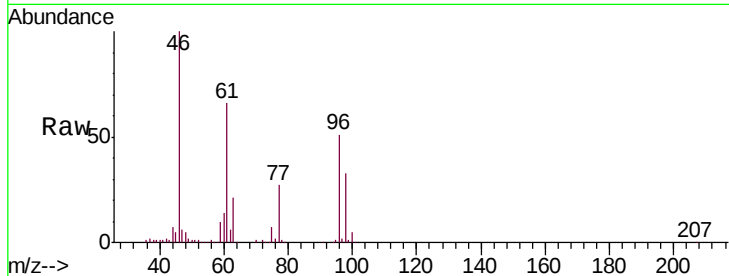
Tgt Ion: 96 Resp: 141723

Ion Ratio Lower Upper

96 100

61 129.8 89.7 166.5

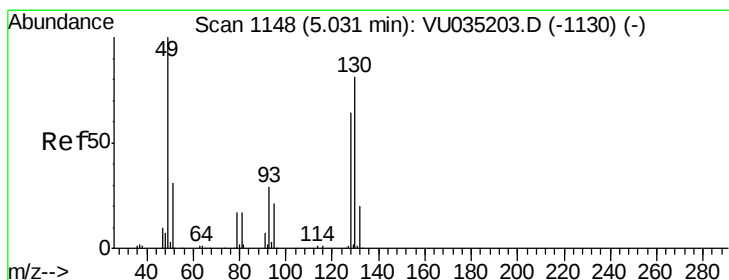
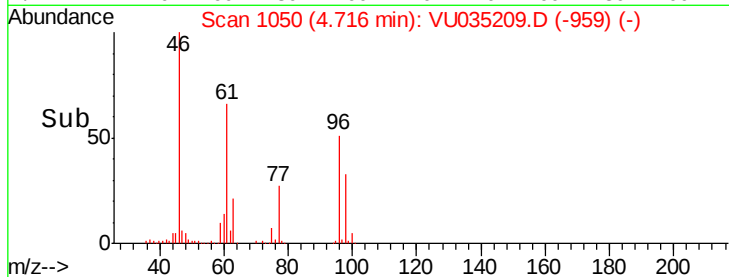
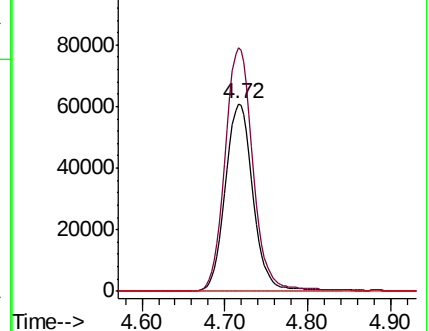
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035209.D (-959) (-)

Ion 61.05 (60.75 to 61.75): VU035209.D (-959) (-)

Ion 68.15 (67.85 to 68.85): VU035209.D (-959) (-)



#23

Bromochloromethane

Concen: 4.851 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. -0.01 min

Lab File: VU035209.D

Acq: 17 Oct 2019 13:45

Tgt Ion: 128 Resp: 62442

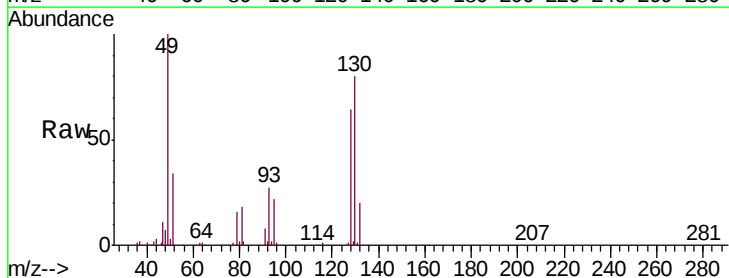
Ion Ratio Lower Upper

128 100

49 156.9 109.3 203.1

130 125.5 88.7 164.7

51 52.9 39.2 58.8

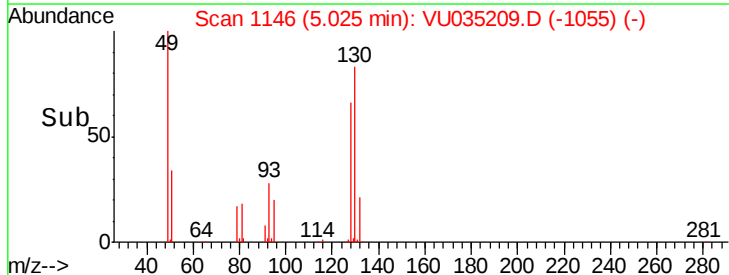
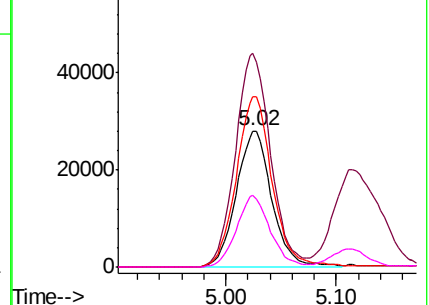


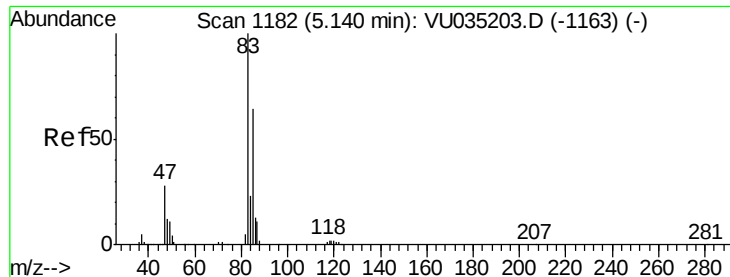
Abundance Ion 127.90 (127.60 to 128.60): VU035209.D (-1055) (-)

Ion 49.10 (48.80 to 49.80): VU035209.D (-1055) (-)

Ion 129.95 (129.65 to 130.65): VU035209.D (-1055) (-)

Ion 51.05 (50.75 to 51.75): VU035209.D (-1055) (-)

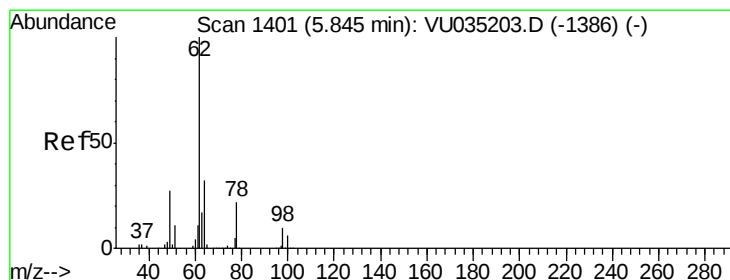
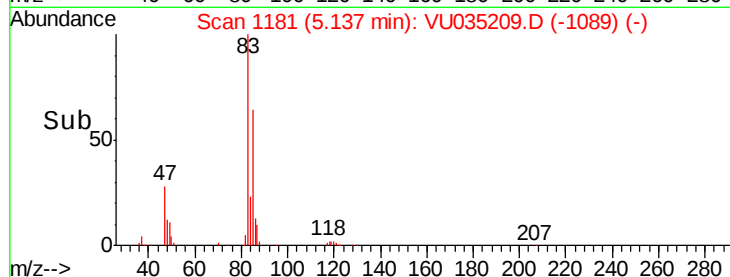
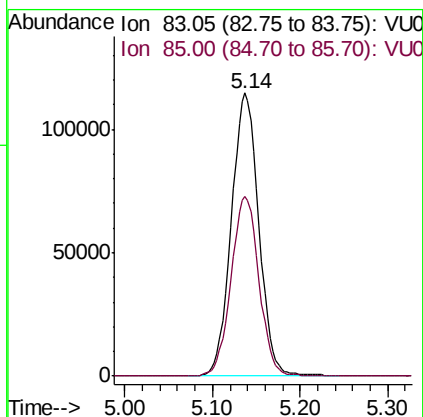
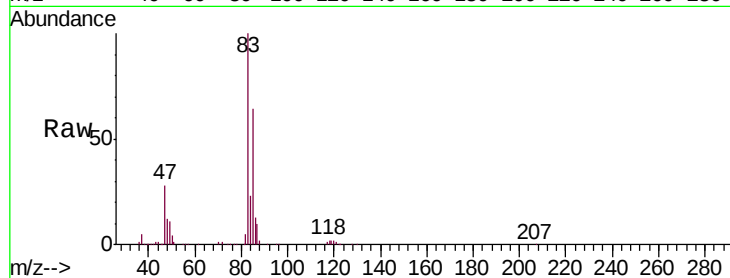




#25
Chloroform
Concen: 4.649 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU035209.D
Acq: 17 Oct 2019 13:45

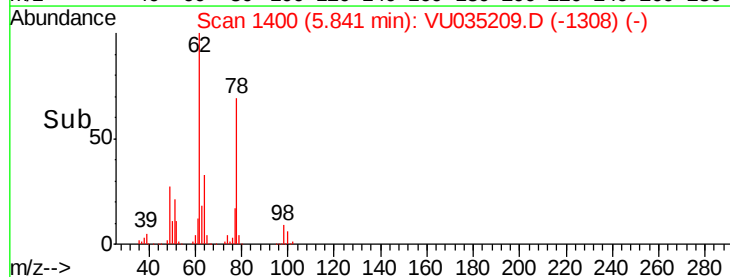
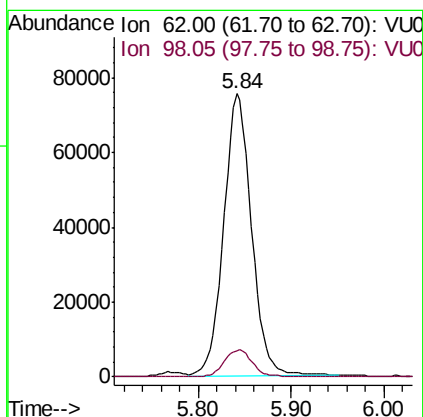
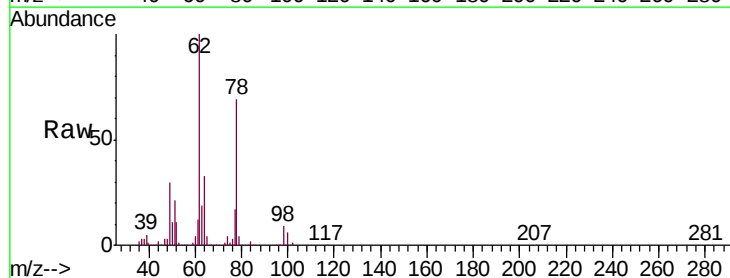
Instrument :
MSVOA_U
ClientSampleId :
VICV05

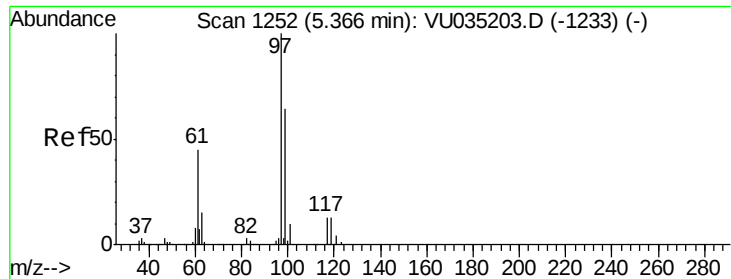
Tgt Ion: 83 Resp: 249563
Ion Ratio Lower Upper
83 100
85 63.5 45.1 83.9



#27
1,2-Dichloroethane
Concen: 4.781 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. -0.00 min
Lab File: VU035209.D
Acq: 17 Oct 2019 13:45

Tgt Ion: 62 Resp: 157411
Ion Ratio Lower Upper
62 100
98 9.3 7.8 11.6

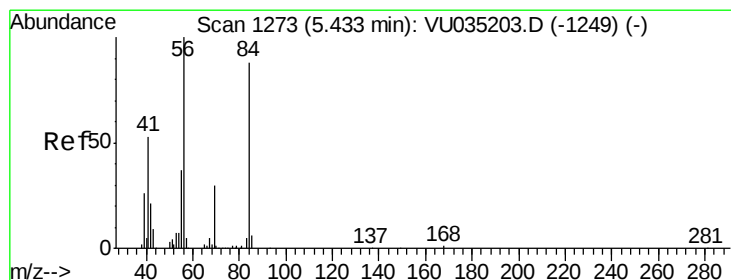
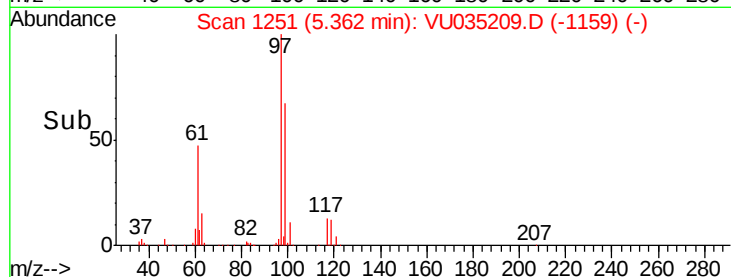
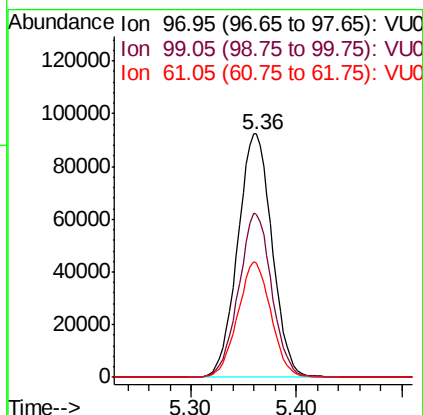
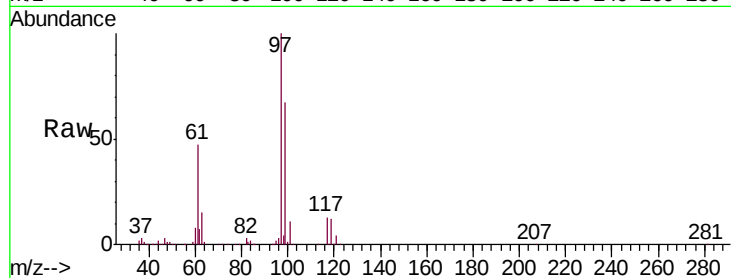




#29
 1,1,1-Trichloroethane
 Concen: 4.752 ug/L
 RT: 5.36 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VU035209.D
 Acq: 17 Oct 2019 13:45

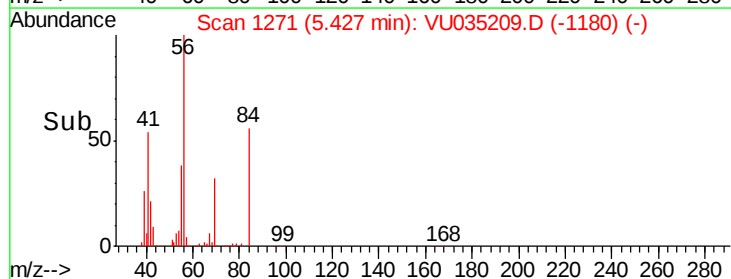
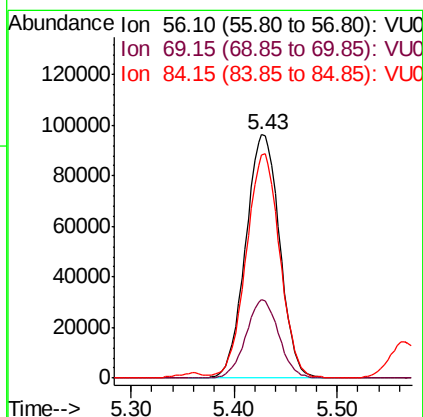
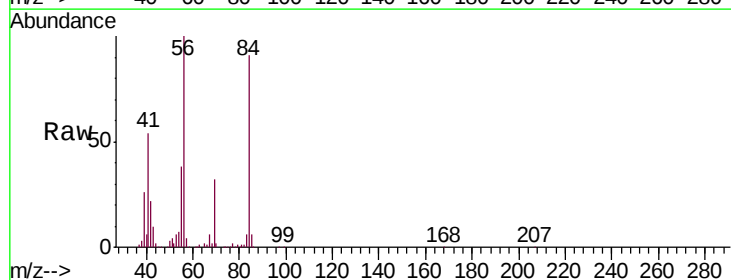
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV05

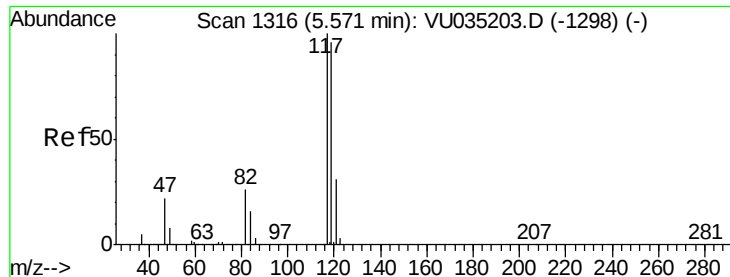
Tgt Ion: 97 Resp: 208545
 Ion Ratio Lower Upper
 97 100
 99 65.5 52.6 79.0
 61 46.2 37.0 55.4



#30
 Cyclohexane
 Concen: 4.678 ug/L
 RT: 5.43 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: VU035209.D
 Acq: 17 Oct 2019 13:45

Tgt Ion: 56 Resp: 219867
 Ion Ratio Lower Upper
 56 100
 69 31.2 24.6 36.8
 84 91.0 71.5 107.3

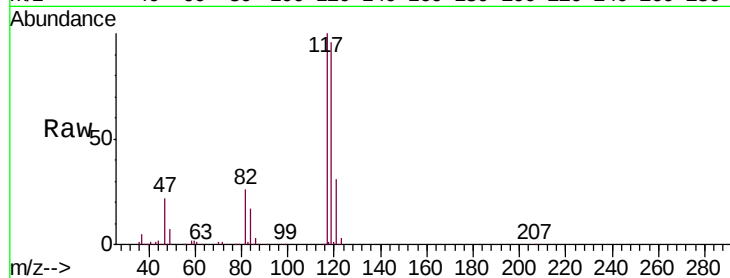




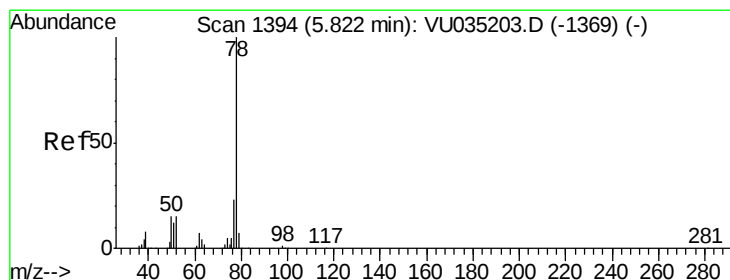
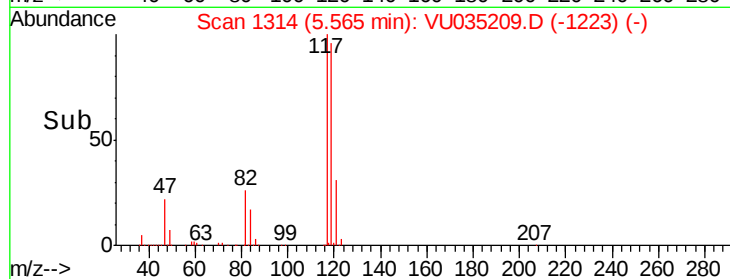
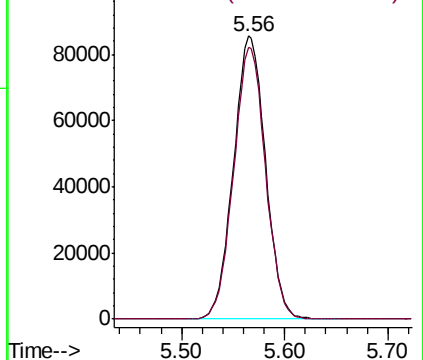
#31
Carbon tetrachloride
Concen: 4.686 ug/L
RT: 5.56 min Scan# 1314
Delta R.T. -0.01 min
Lab File: VU035209.D
Acq: 17 Oct 2019 13:45

Instrument :
MSVOA_U
ClientSampleId :
VICV05

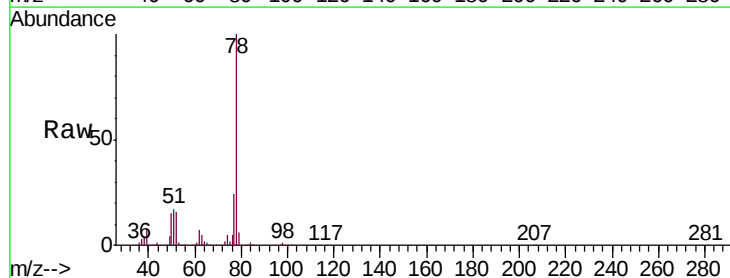
Tgt Ion: 117 Resp: 185172
Ion Ratio Lower Upper
117 100
119 95.6 77.4 116.0



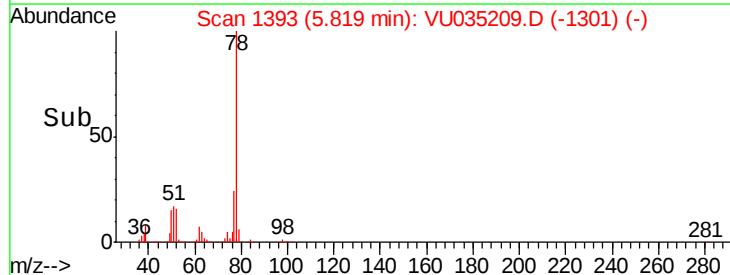
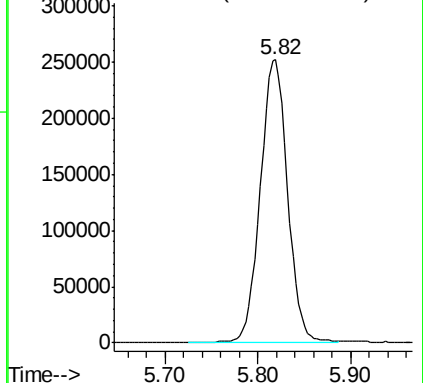
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

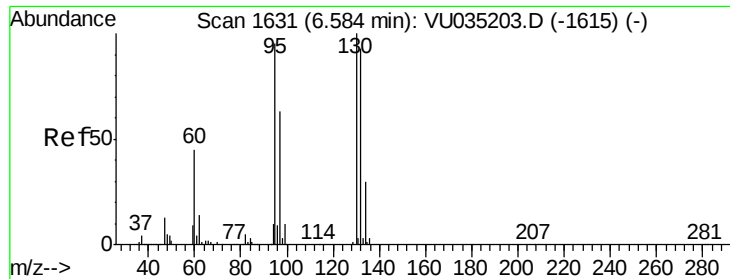


#33
Benzene
Concen: 4.716 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. -0.00 min
Lab File: VU035209.D
Acq: 17 Oct 2019 13:45
Tgt Ion: 78 Resp: 519815



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.661 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU035209.D

Acq: 17 Oct 2019 13:45

Instrument :

MSVOA_U

ClientSampled :

VICV05

Tgt Ion: 95 Resp: 138136

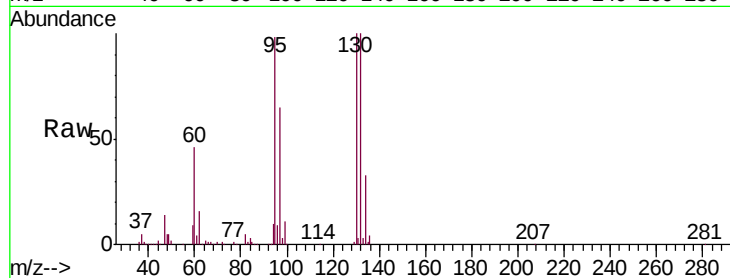
Ion Ratio Lower Upper

95 100

97 66.3 46.6 86.6

132 101.6 68.7 127.7

130 101.9 73.9 137.3

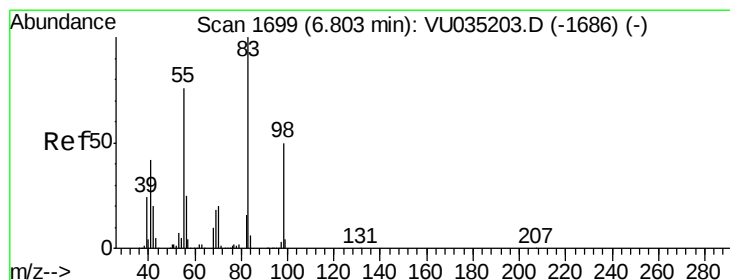
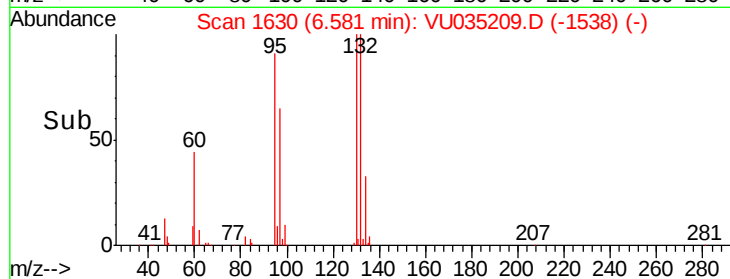
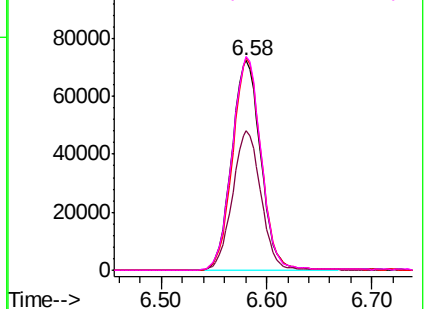


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.556 ug/L

RT: 6.80 min Scan# 1697

Delta R.T. -0.01 min

Lab File: VU035209.D

Acq: 17 Oct 2019 13:45

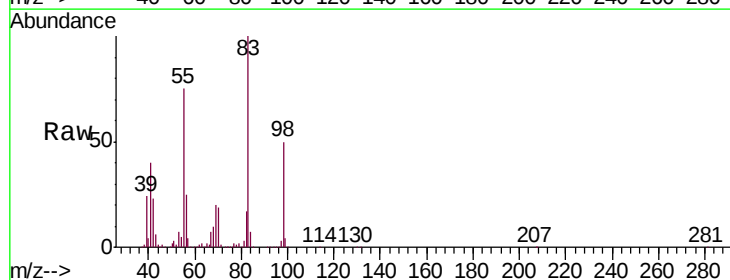
Tgt Ion: 83 Resp: 225648

Ion Ratio Lower Upper

83 100

55 75.7 60.4 90.6

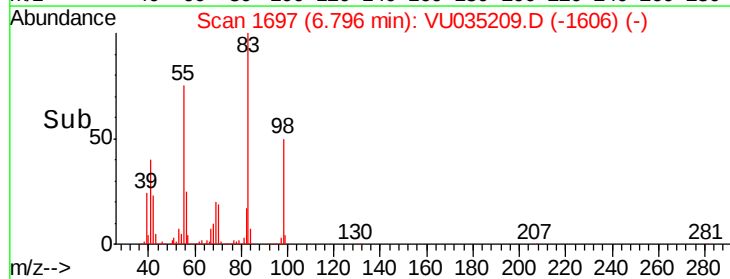
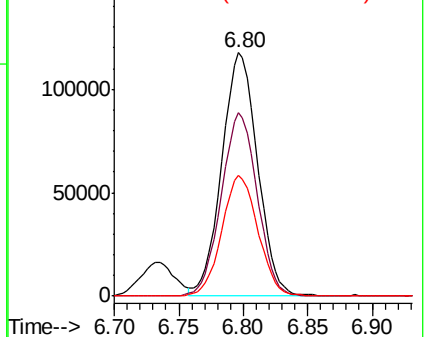
98 50.5 39.5 59.3

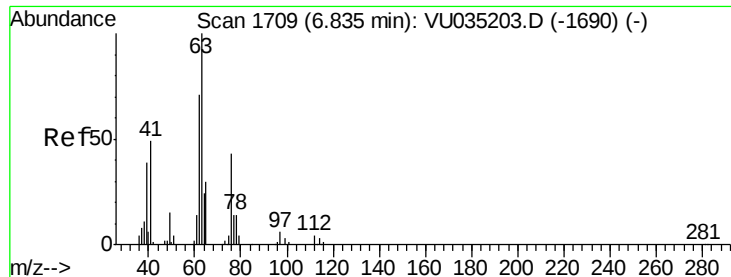


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

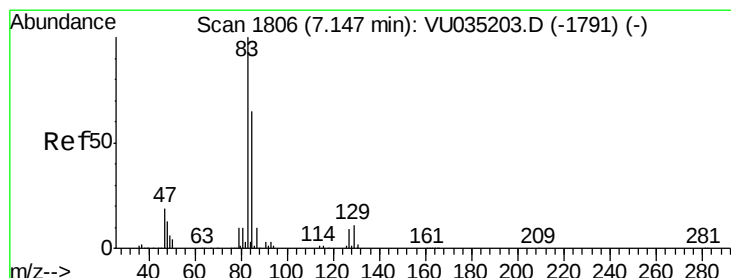
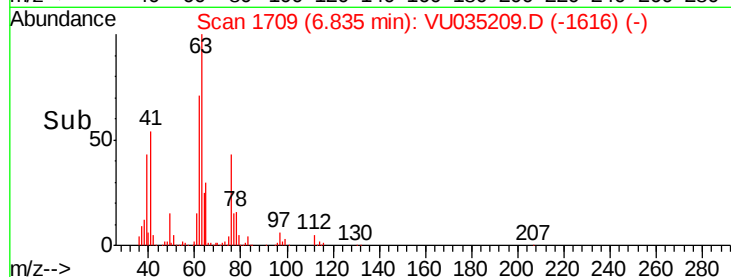
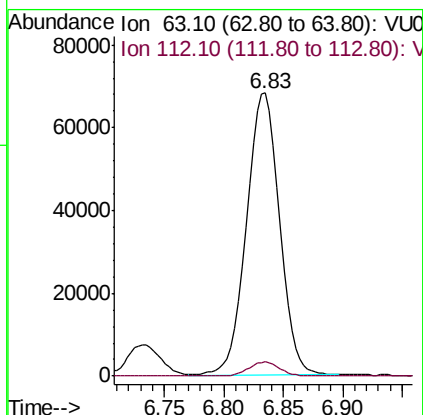
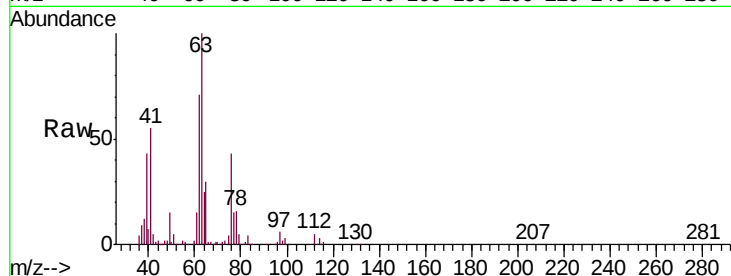




#37
 1,2-Dichloropropane
 Concen: 4.705 ug/L
 RT: 6.83 min Scan# 1709
 Delta R.T. -0.00 min
 Lab File: VU035209.D
 Acq: 17 Oct 2019 13:45

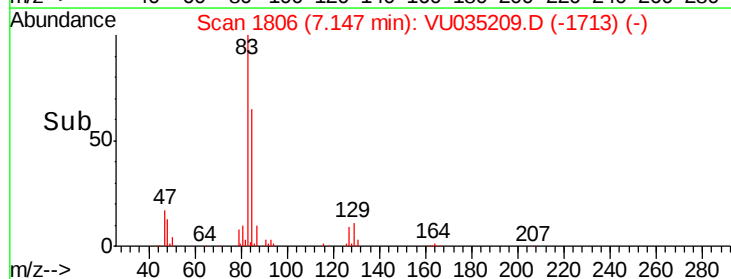
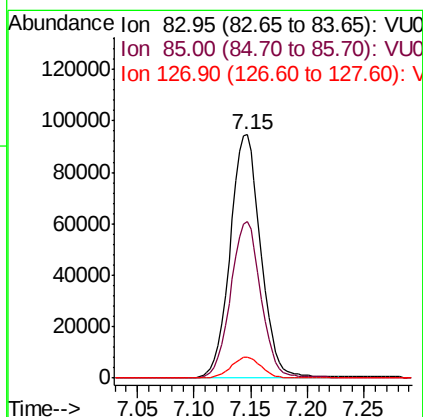
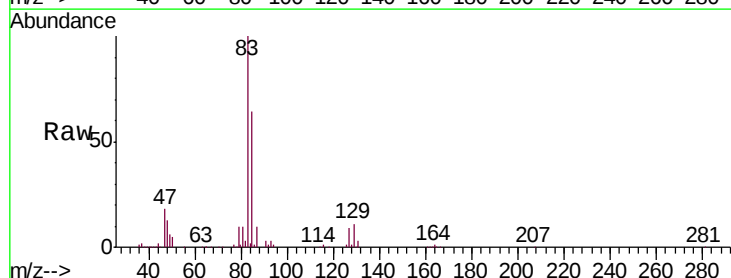
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV05

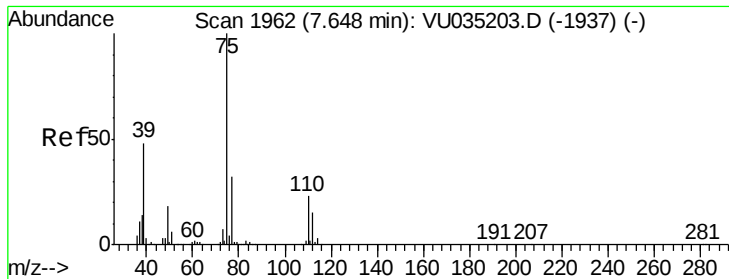
Tgt Ion: 63 Resp: 131661
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.7 5.5



#38
 Bromodichloromethane
 Concen: 4.703 ug/L
 RT: 7.15 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VU035209.D
 Acq: 17 Oct 2019 13:45

Tgt Ion: 83 Resp: 177295
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.6 84.8
 127 8.7 6.9 10.3

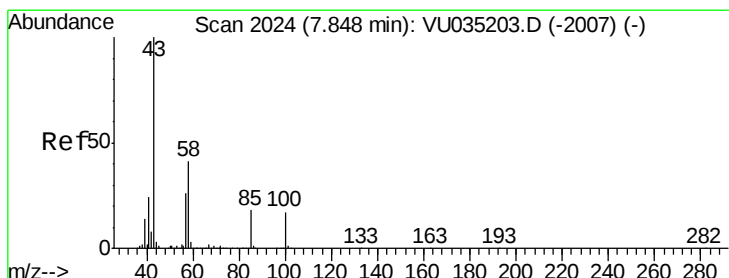
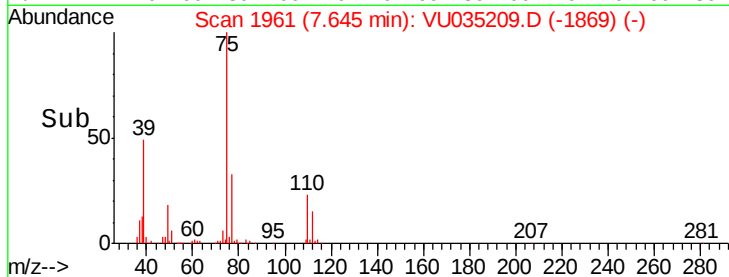
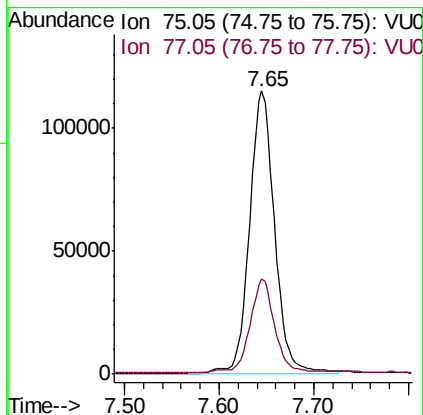
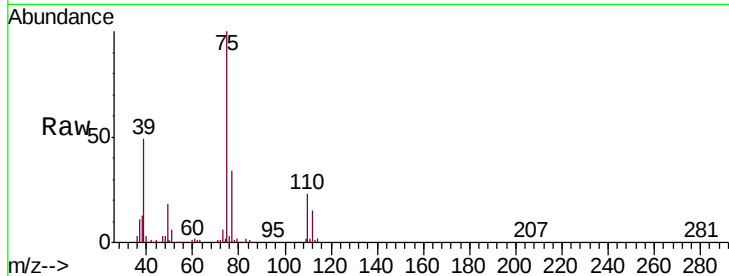




#39
 cis-1,3-Dichloropropene
 Concen: 4.567 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. -0.00 min
 Lab File: VU035209.D
 Acq: 17 Oct 2019 13:45

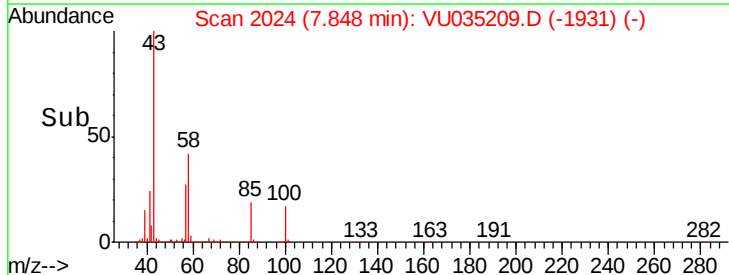
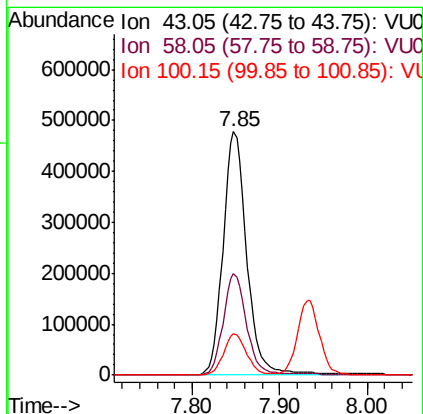
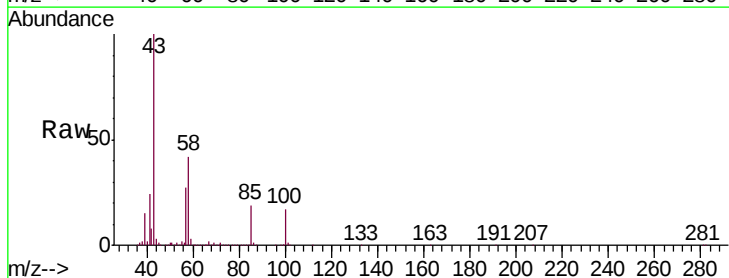
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV05

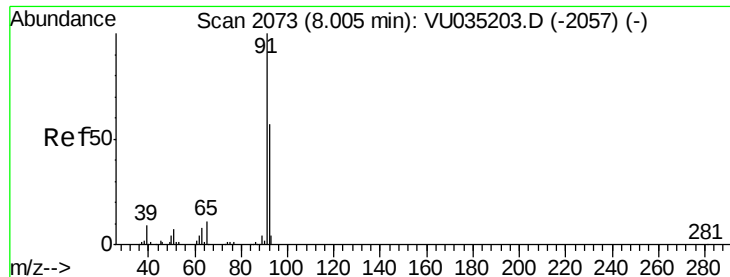
Tgt Ion: 75 Resp: 213907
 Ion Ratio Lower Upper
 75 100
 77 33.5 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 47.544 ug/L
 RT: 7.85 min Scan# 2024
 Delta R.T. -0.00 min
 Lab File: VU035209.D
 Acq: 17 Oct 2019 13:45

Tgt Ion: 43 Resp: 898157
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.3 48.5
 100 16.5 13.4 20.2





#42

Toluene

Concen: 4.670 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035209.D

Acq: 17 Oct 2019 13:45

Instrument :

MSVOA_U

ClientSampleId :

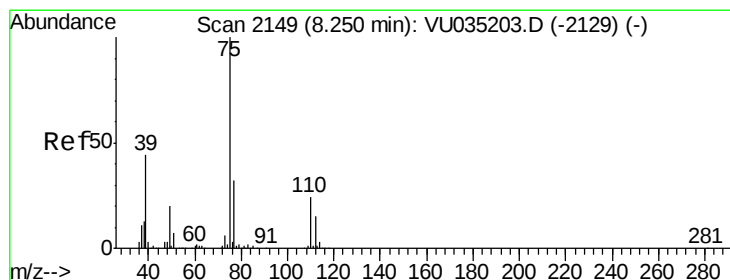
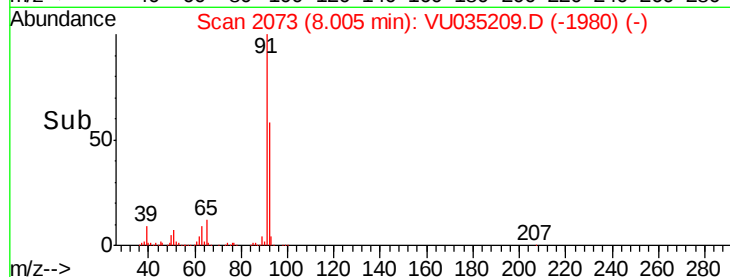
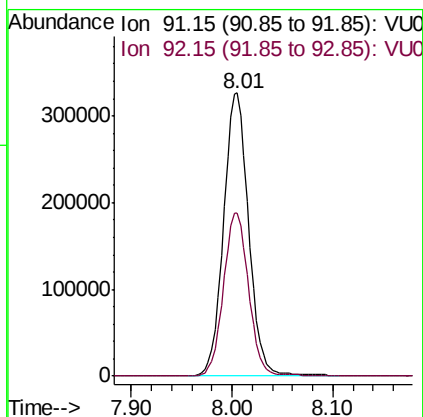
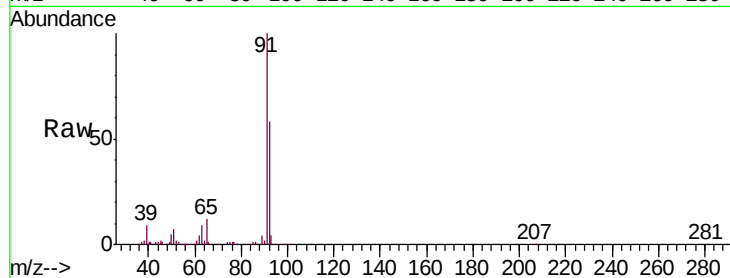
VICV05

Tgt Ion: 91 Resp: 568277

Ion Ratio Lower Upper

91 100

92 57.6 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 4.733 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VU035209.D

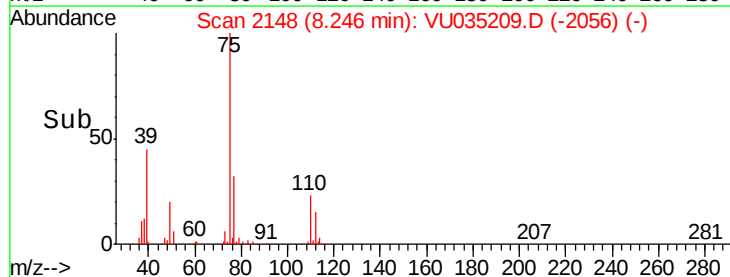
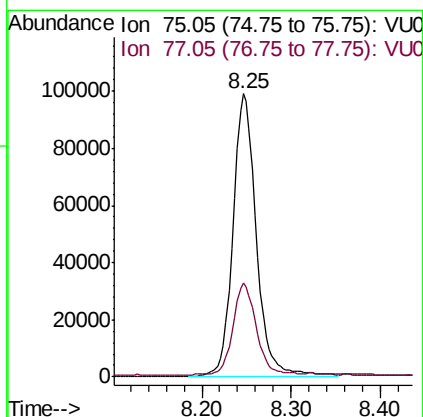
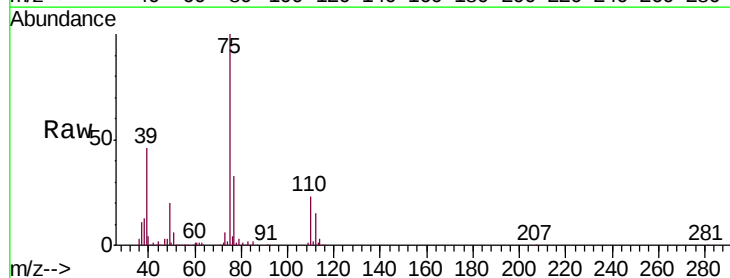
Acq: 17 Oct 2019 13:45

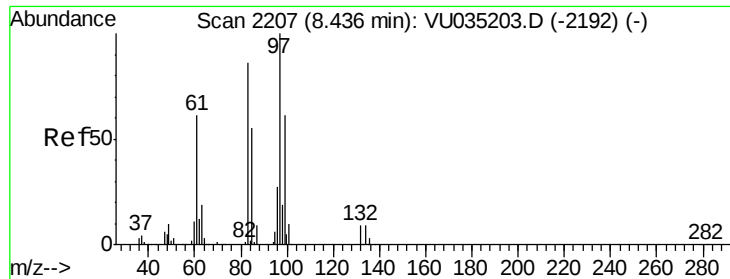
Tgt Ion: 75 Resp: 181172

Ion Ratio Lower Upper

75 100

77 33.0 23.0 42.8

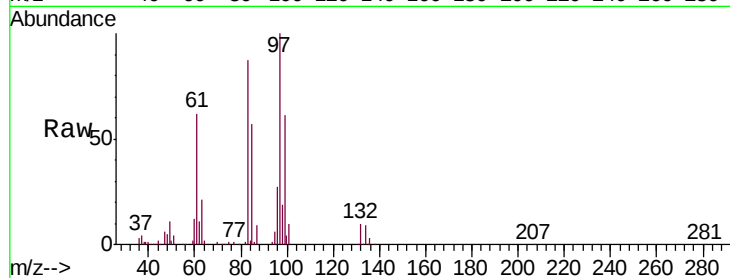




#45
 1,1,2-Trichloroethane
 Concen: 4.720 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: VU035209.D
 Acq: 17 Oct 2019 13:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV05

Tgt Ion:	97	Resp:	98053
Ion	Ratio	Lower	Upper
97	100		
99	61.1	42.9	79.7
83	86.7	60.4	112.2
85	56.6	38.4	71.2



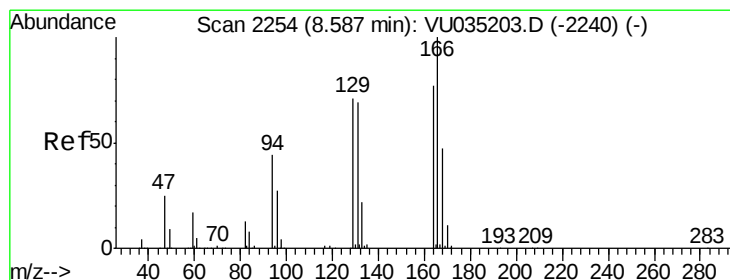
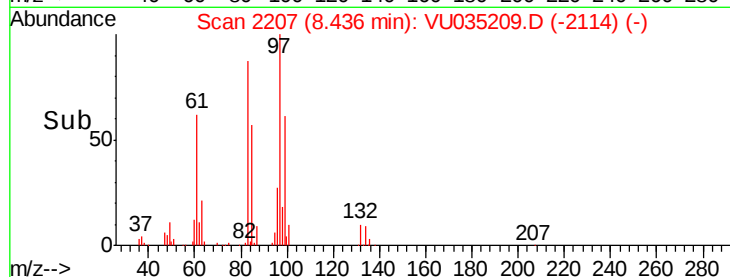
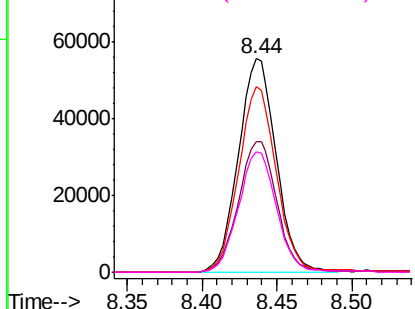
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

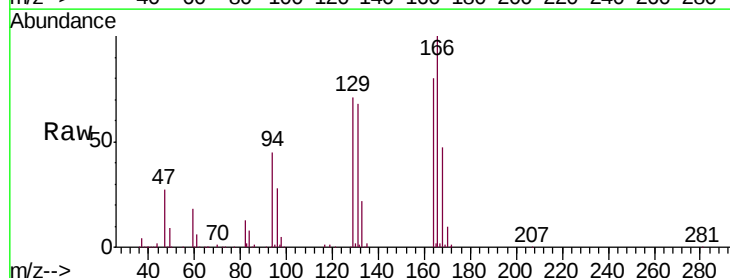
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 4.753 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU035209.D
 Acq: 17 Oct 2019 13:45

Tgt Ion:	164	Resp:	117360
Ion	Ratio	Lower	Upper
164	100		
129	88.9	65.2	121.0
131	85.0	62.9	116.9
166	124.9	91.5	169.9



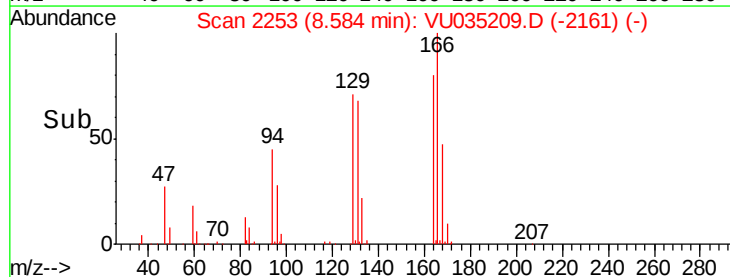
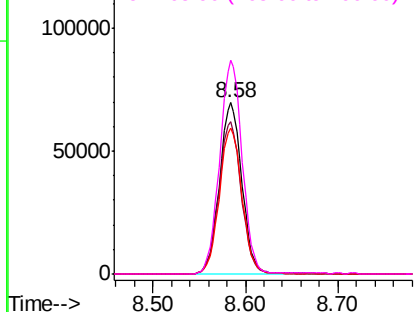
Abundance

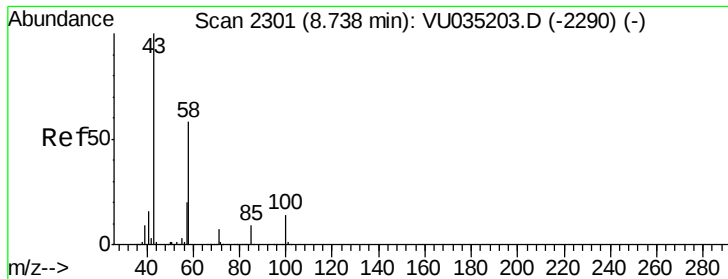
Ion 163.90 (163.60 to 164.60): V

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

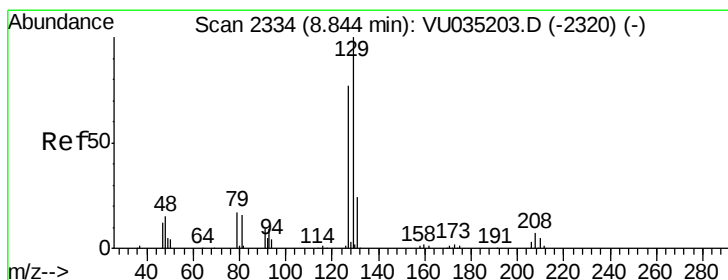
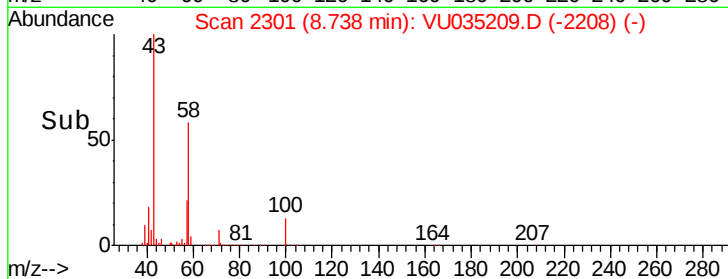
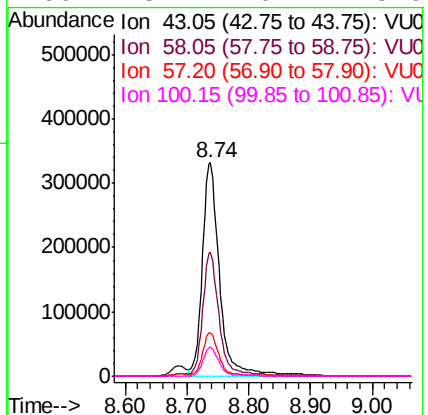
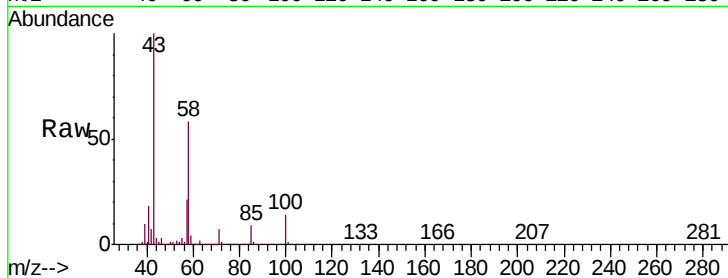




#48
2-Hexanone
Concen: 48.927 ug/L
RT: 8.74 min Scan# 2301
Delta R.T. -0.00 min
Lab File: VU035209.D
Acq: 17 Oct 2019 13:45

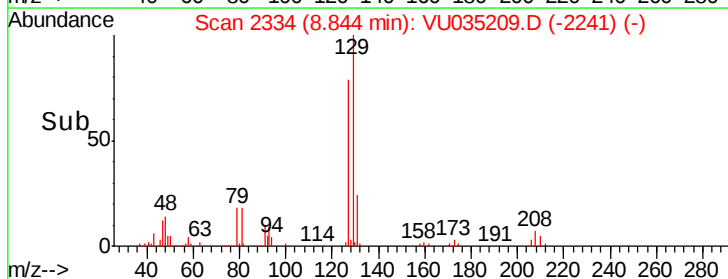
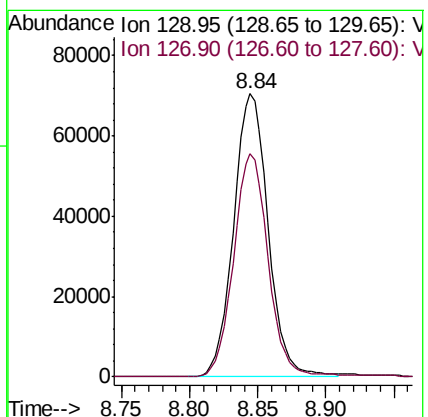
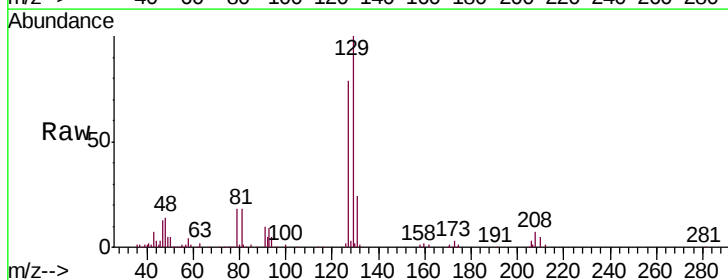
Instrument :
MSVOA_U
ClientSampleId :
VICV05

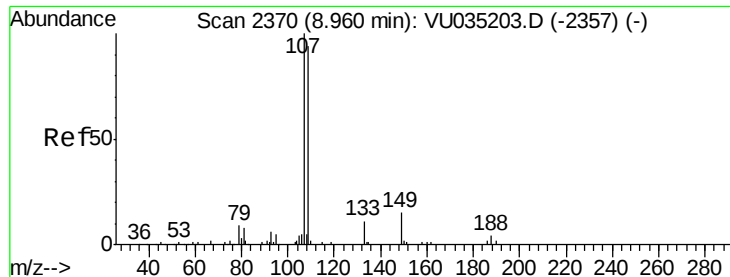
Tgt Ion: 43 Resp: 648209
Ion Ratio Lower Upper
43 100
58 53.5 45.1 67.7
57 18.6 16.0 24.0
100 13.1 10.4 15.6



#49
Dibromochloromethane
Concen: 4.711 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. -0.00 min
Lab File: VU035209.D
Acq: 17 Oct 2019 13:45

Tgt Ion: 129 Resp: 124071
Ion Ratio Lower Upper
129 100
127 79.1 53.8 99.8

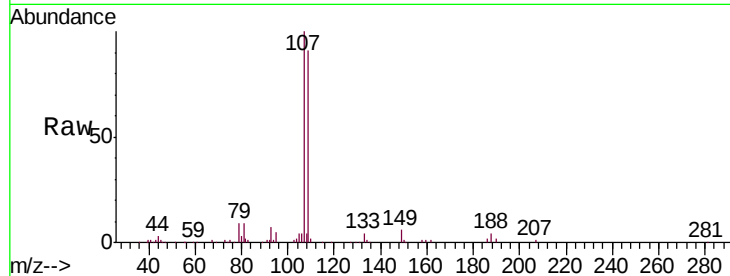




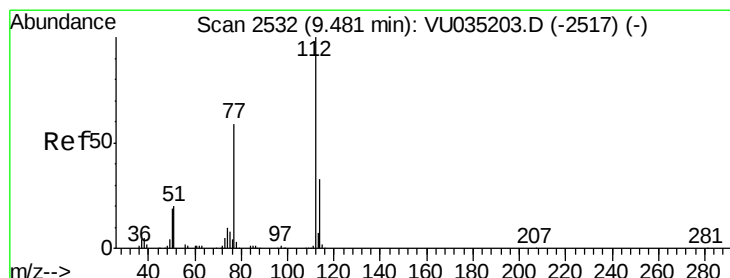
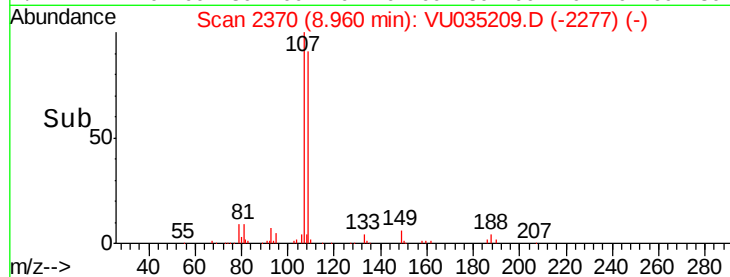
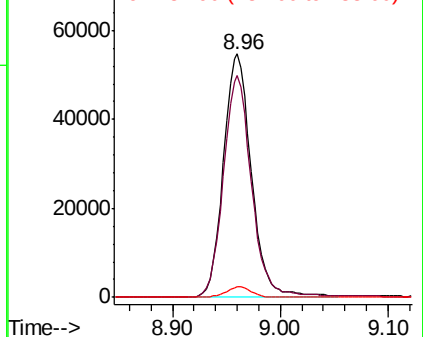
#50
1,2-Dibromoethane
Concen: 4.773 ug/L
RT: 8.96 min Scan# 2370
Delta R.T. -0.00 min
Lab File: VU035209.D
Acq: 17 Oct 2019 13:45

Instrument :
MSVOA_U
ClientSampleId :
VICV05

Tgt Ion	Ratio	Lower	Upper
107	100		
109	91.1	66.1	122.8
188	4.1	3.2	4.8

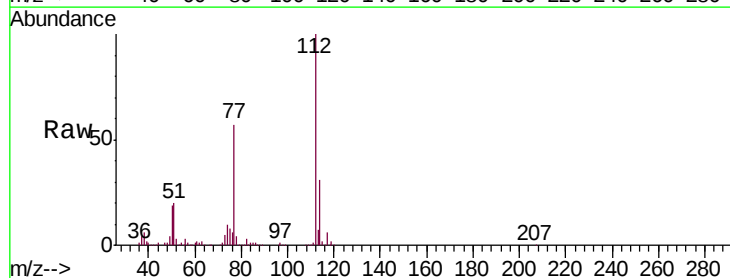


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

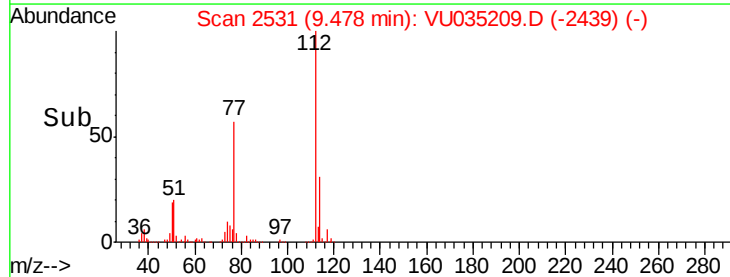
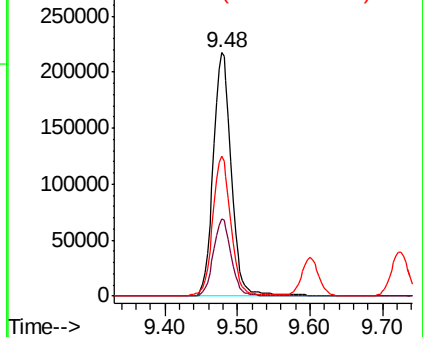


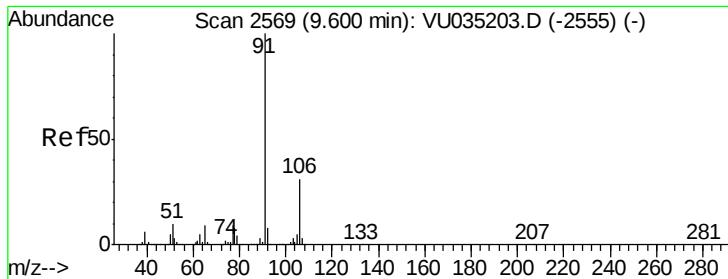
#51
Chlorobenzene
Concen: 4.775 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU035209.D
Acq: 17 Oct 2019 13:45

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	23.0	42.8
77	57.3	47.5	71.3



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): V





#52

Ethylbenzene

Concen: 4.673 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU035209.D

Acq: 17 Oct 2019 13:45

Instrument :

MSVOA_U

ClientSampleId :

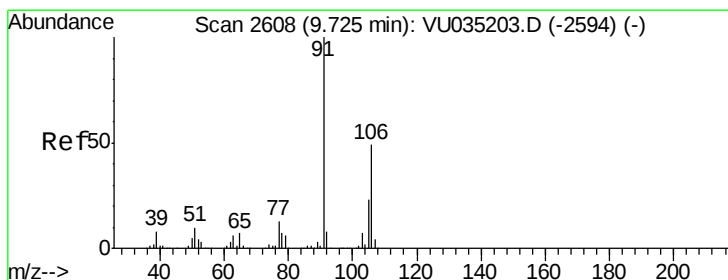
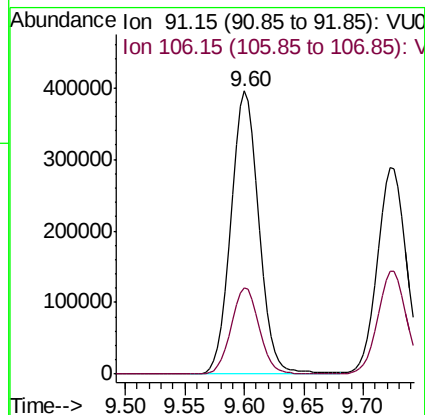
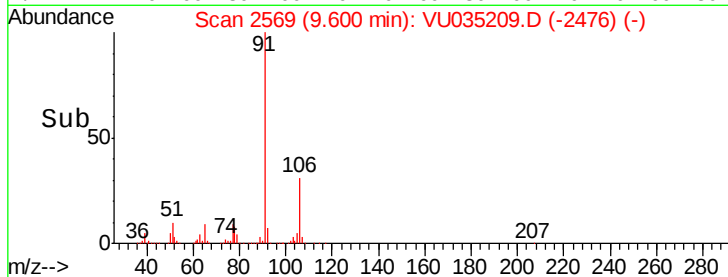
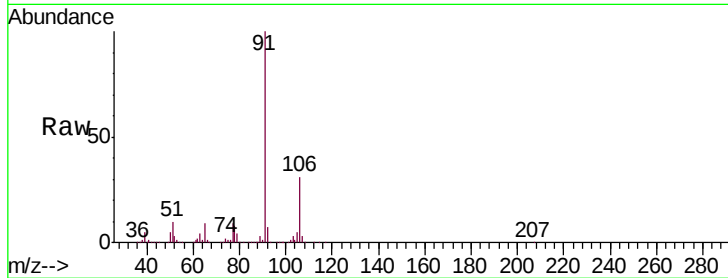
VICV05

Tgt Ion: 91 Resp: 646549

Ion Ratio Lower Upper

91 100

106 30.7 21.3 39.6



#53

m,p-Xylene

Concen: 4.698 ug/L

RT: 9.73 min Scan# 2608

Delta R.T. -0.00 min

Lab File: VU035209.D

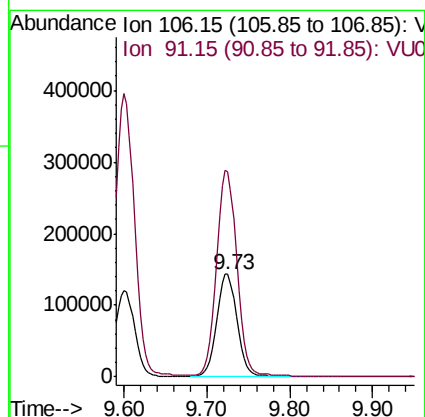
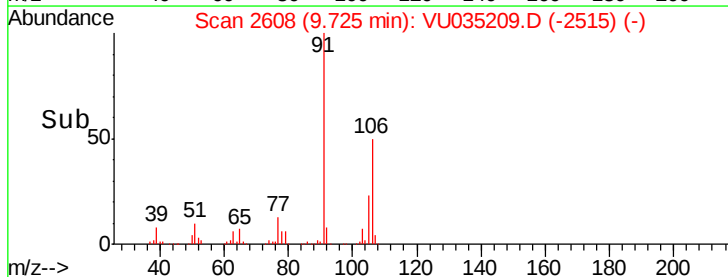
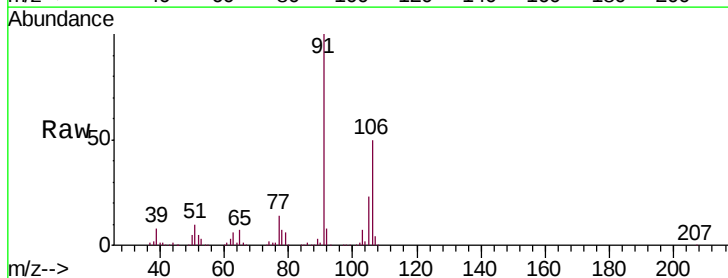
Acq: 17 Oct 2019 13:45

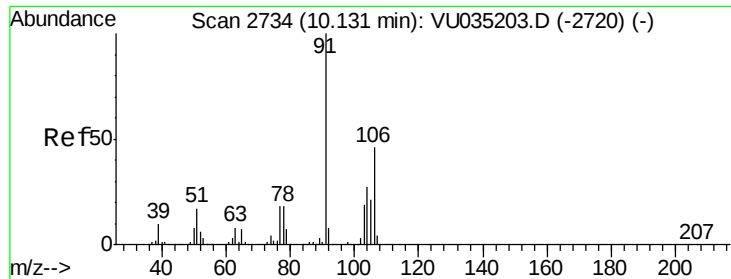
Tgt Ion: 106 Resp: 245471

Ion Ratio Lower Upper

106 100

91 199.5 142.0 263.6

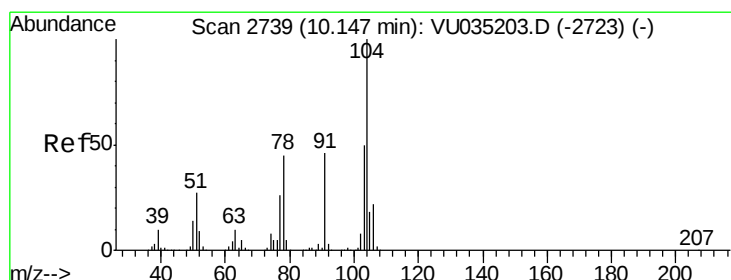
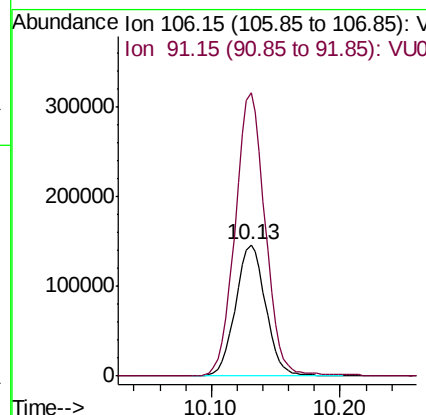
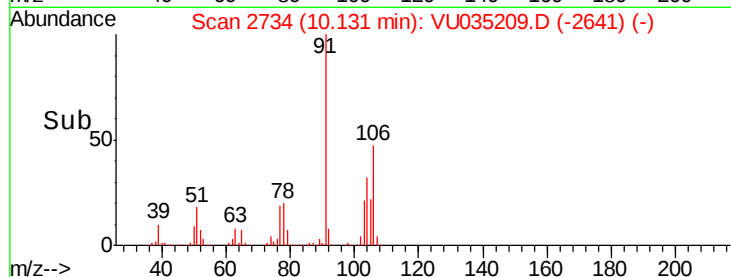
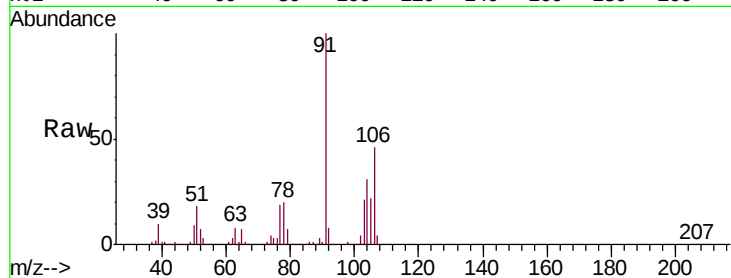




#54
o-Xylene
Concen: 4.671 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU035209.D
Acq: 17 Oct 2019 13:45

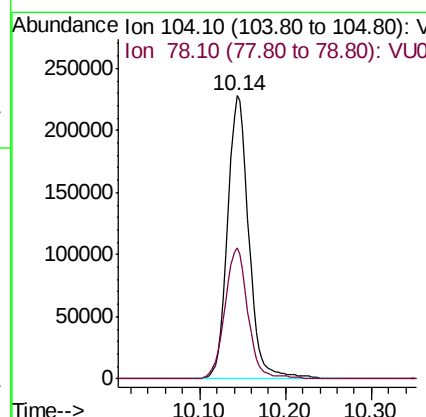
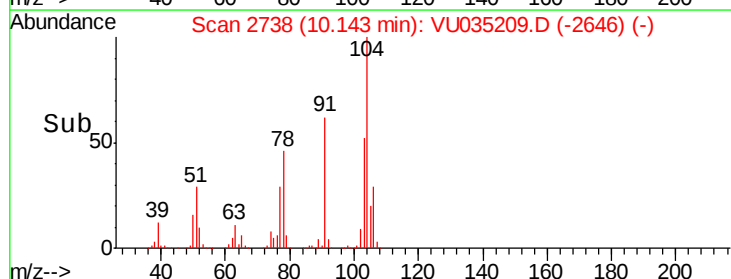
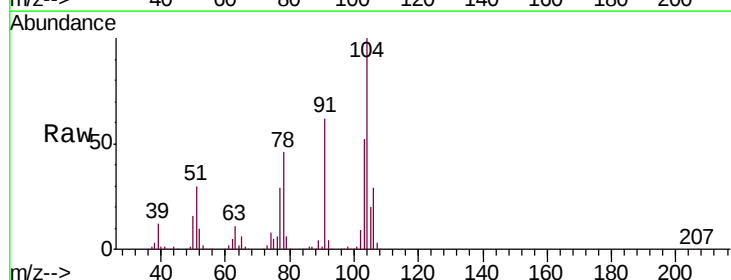
Instrument :
MSVOA_U
ClientSampleId :
VICV05

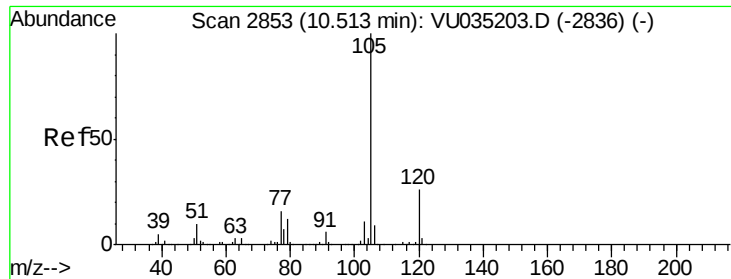
Tgt Ion:106 Resp: 238208
Ion Ratio Lower Upper
106 100
91 215.1 153.2 284.6



#55
Styrene
Concen: 4.743 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. -0.00 min
Lab File: VU035209.D
Acq: 17 Oct 2019 13:45

Tgt Ion:104 Resp: 393779
Ion Ratio Lower Upper
104 100
78 46.3 31.3 58.1





#56

Isopropylbenzene

Concen: 4.678 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VU035209.D

Acq: 17 Oct 2019 13:45

Instrument :

MSVOA_U

ClientSampleId :

VICV05

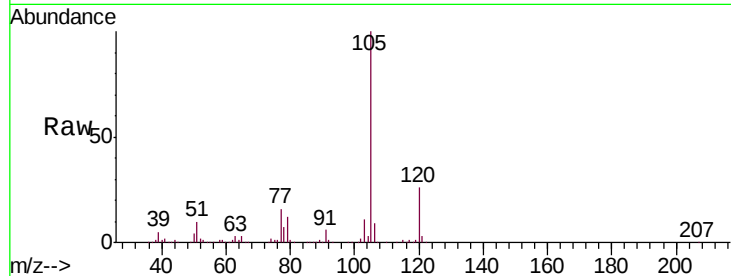
Tgt Ion:105 Resp: 641748

Ion Ratio Lower Upper

105 100

120 26.4 21.0 31.6

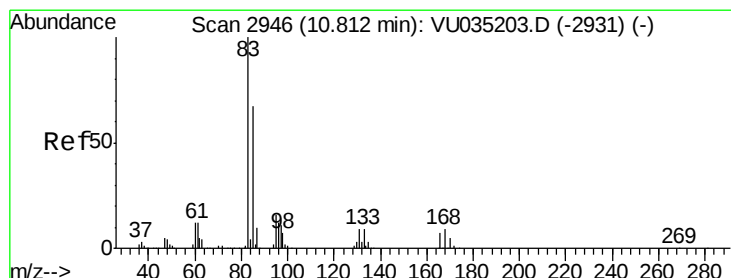
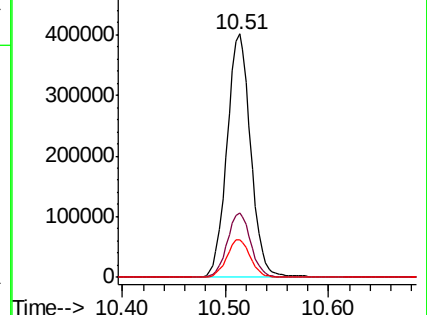
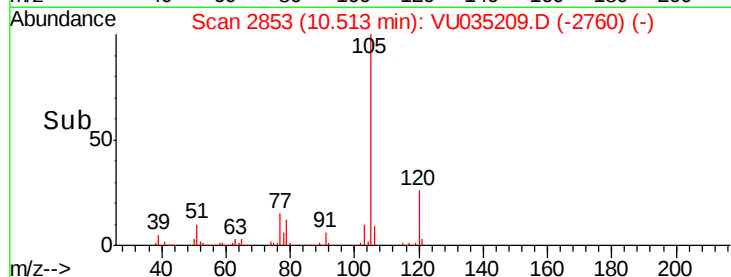
77 15.5 12.6 19.0



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: 4.694 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. -0.00 min

Lab File: VU035209.D

Acq: 17 Oct 2019 13:45

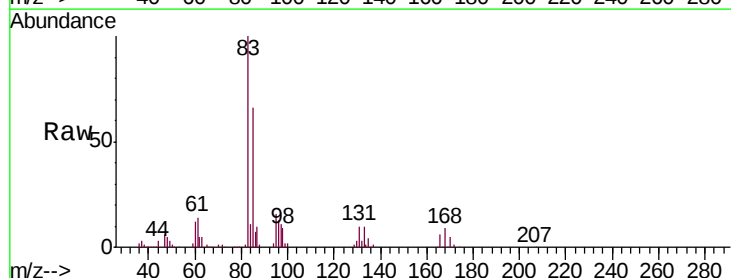
Tgt Ion: 83 Resp: 125489

Ion Ratio Lower Upper

83 100

85 66.2 46.8 86.8

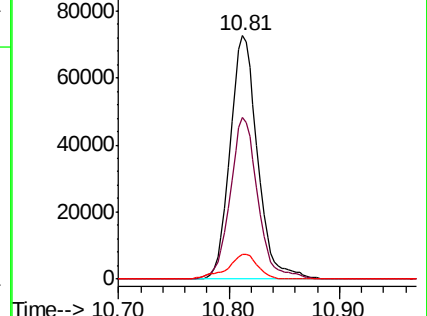
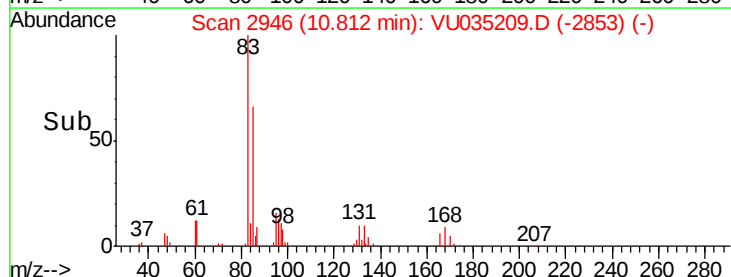
131 10.1 7.5 11.3

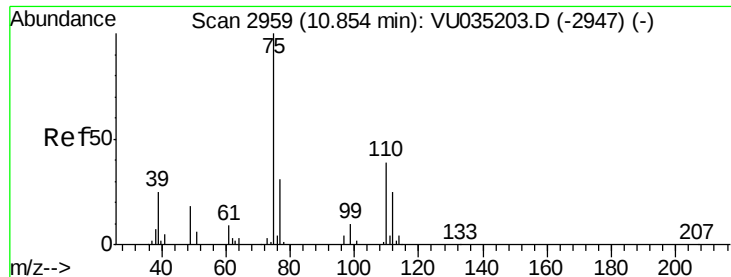


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.599 ug/L

RT: 10.85 min Scan# 2959

Delta R.T. -0.00 min

Lab File: VU035209.D

Acq: 17 Oct 2019 13:45

Instrument :

MSVOA_U

ClientSampleId :

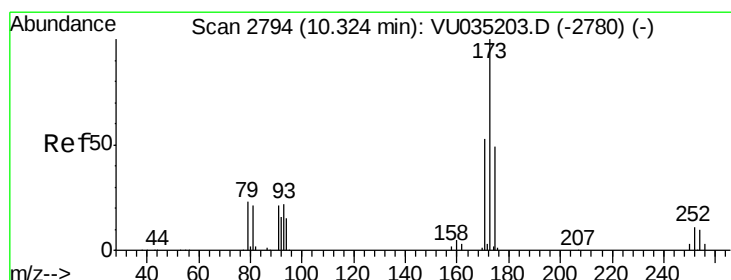
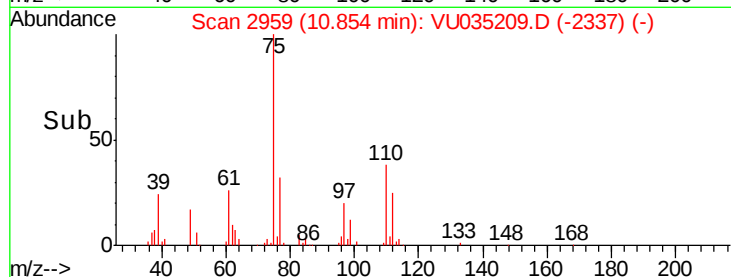
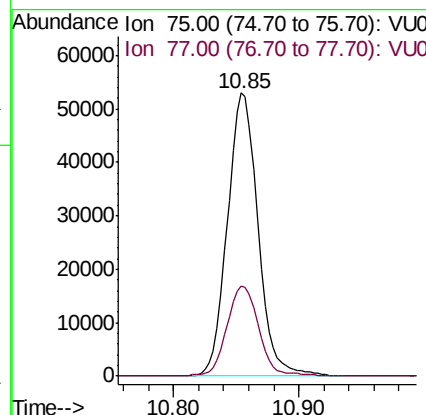
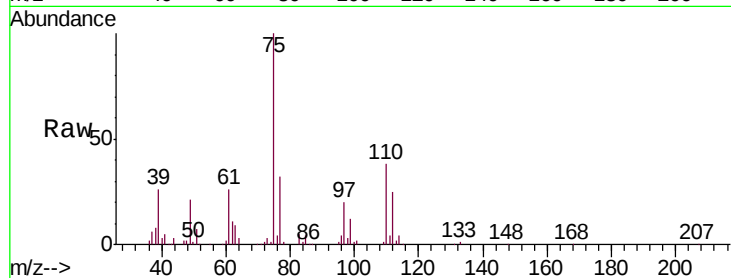
VICV05

Tgt Ion: 75 Resp: 89663

Ion Ratio Lower Upper

75 100

77 32.6 26.2 39.2



#61

Bromoform

Concen: 4.612 ug/L

RT: 10.32 min Scan# 2794

Delta R.T. -0.00 min

Lab File: VU035209.D

Acq: 17 Oct 2019 13:45

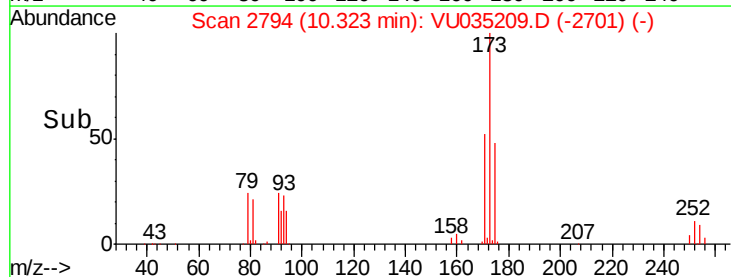
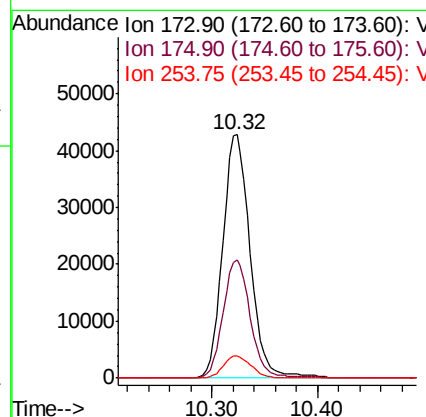
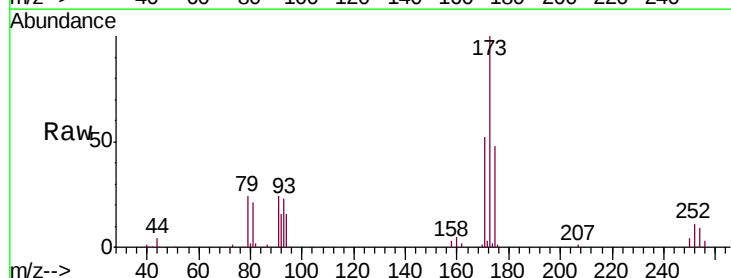
Tgt Ion: 173 Resp: 76694

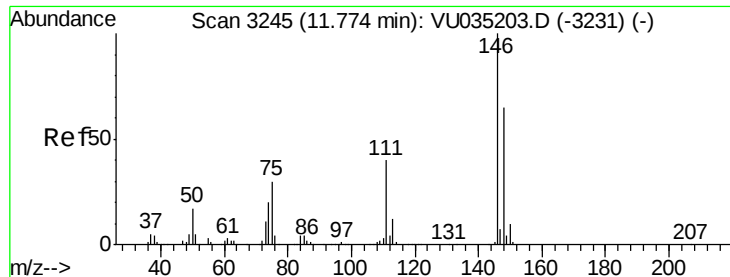
Ion Ratio Lower Upper

173 100

175 48.2 38.8 58.2

254 9.3 7.5 11.3





#62

1,3-Dichlorobenzene

Concen: 4.671 ug/L

RT: 11.77 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VU035209.D

Acq: 17 Oct 2019 13:45

Instrument :

MSVOA_U

ClientSampleId :

VICV05

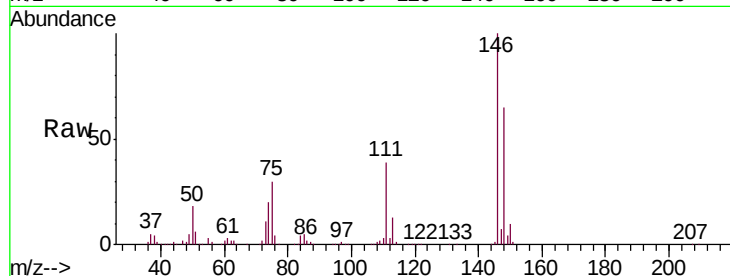
Tgt Ion:146 Resp: 286181

Ion Ratio Lower Upper

146 100

111 39.0 27.8 51.6

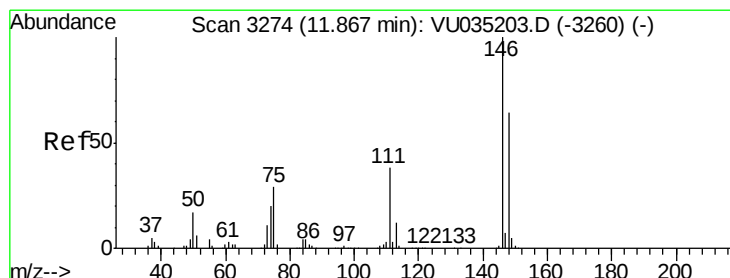
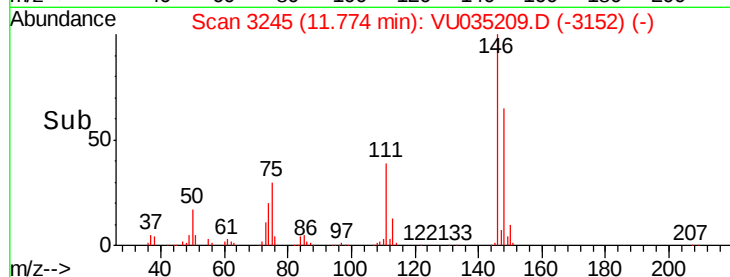
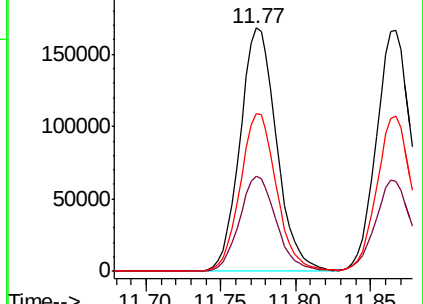
148 64.9 45.6 84.8



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: 4.652 ug/L

RT: 11.87 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VU035209.D

Acq: 17 Oct 2019 13:45

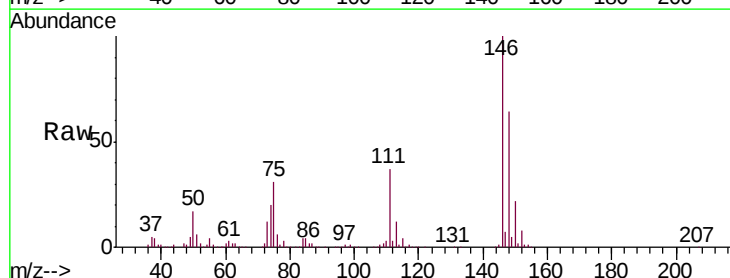
Tgt Ion:146 Resp: 280233

Ion Ratio Lower Upper

146 100

111 37.5 26.4 49.0

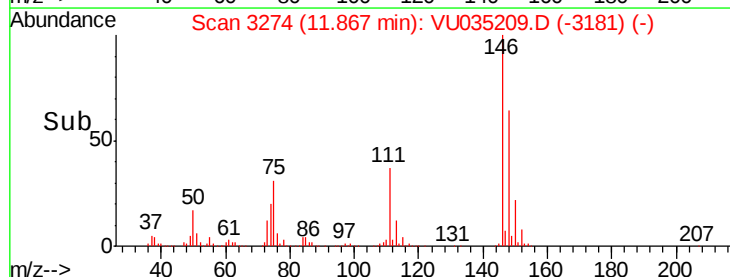
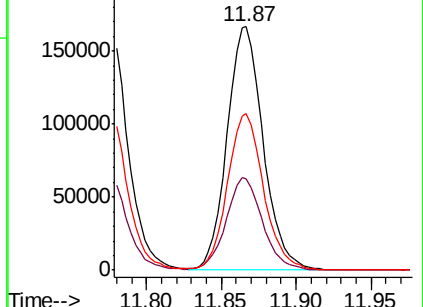
148 64.4 44.7 83.1

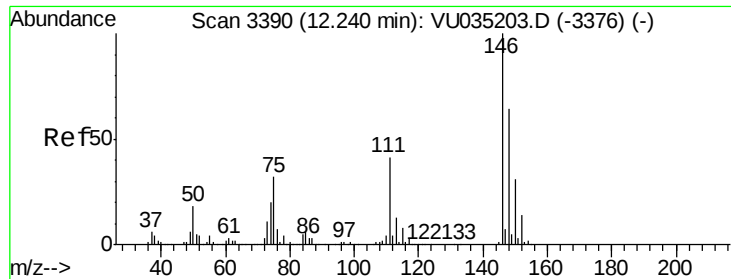


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.712 ug/L

RT: 12.24 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VU035209.D

Acq: 17 Oct 2019 13:45

Instrument :

MSVOA_U

ClientSampleId :

VICV05

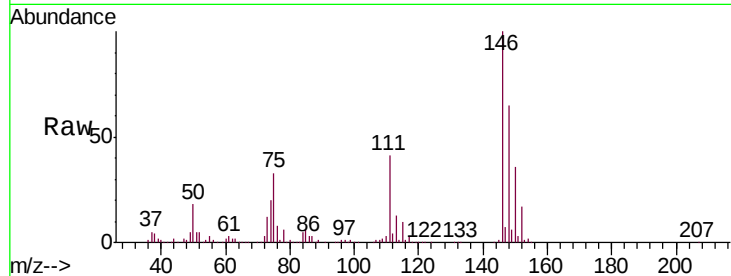
Tgt Ion:146 Resp: 271196

Ion Ratio Lower Upper

146 100

111 40.5 33.0 49.6

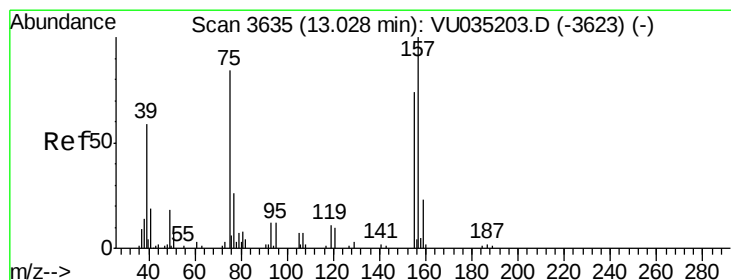
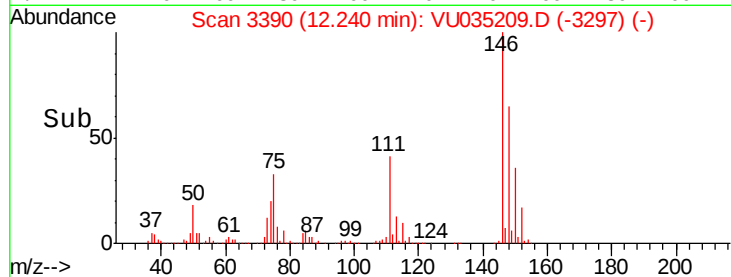
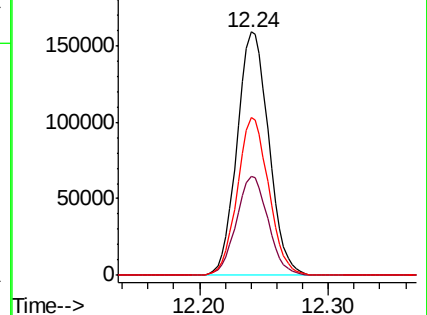
148 64.6 51.0 76.4



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: 4.632 ug/L

RT: 13.02 min Scan# 3634

Delta R.T. -0.00 min

Lab File: VU035209.D

Acq: 17 Oct 2019 13:45

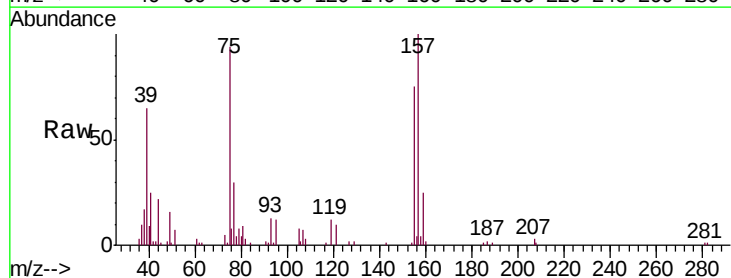
Tgt Ion: 75 Resp: 18833

Ion Ratio Lower Upper

75 100

155 79.6 70.0 105.0

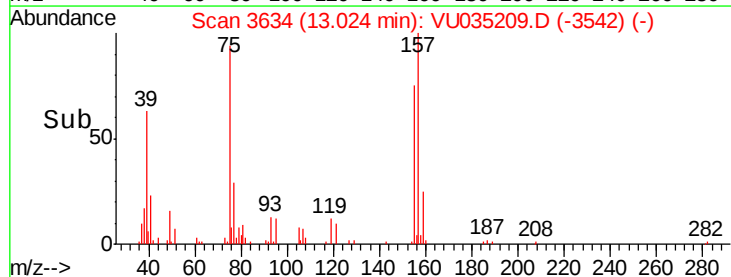
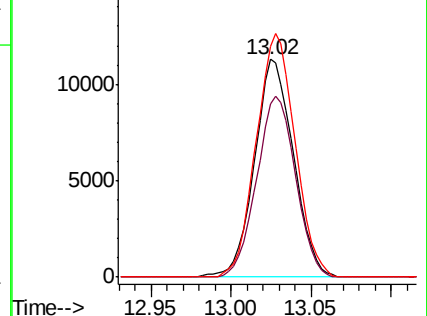
157 106.3 94.7 142.1

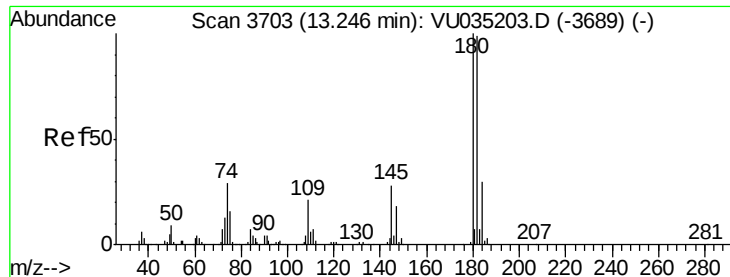


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

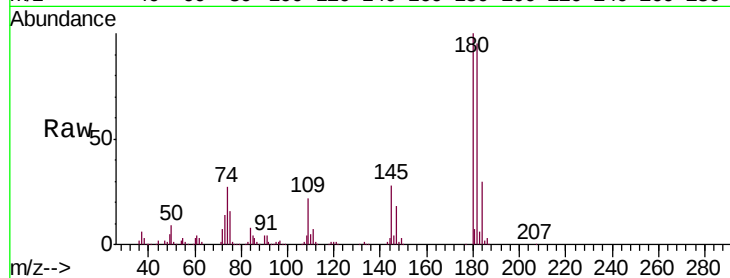




#67
 1,3,5-Trichlorobenzene
 Concen: 5.307 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. -0.00 min
 Lab File: VU035209.D
 Acq: 17 Oct 2019 13:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	77.4	116.2
184	30.0	23.9	35.9
145	27.8	22.4	33.6



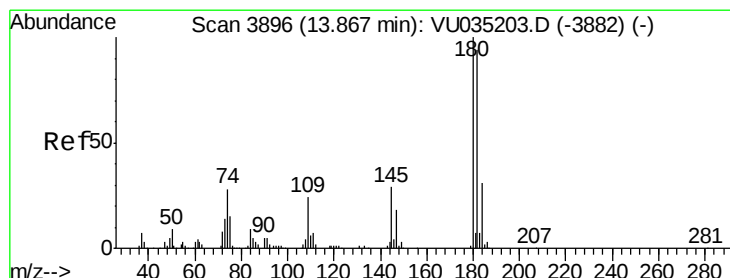
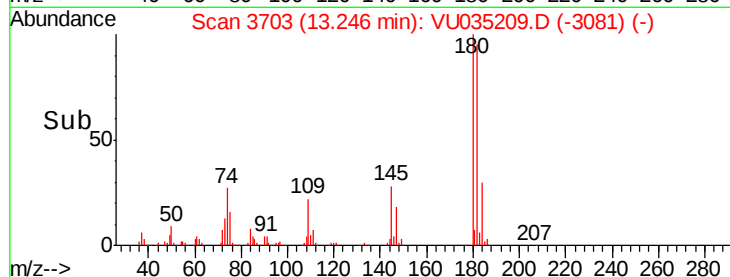
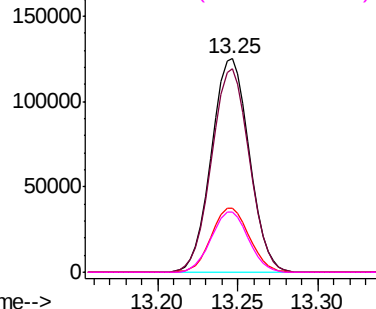
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

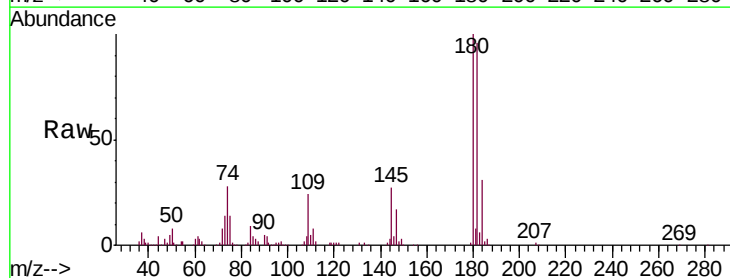
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.744 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU035209.D
 Acq: 17 Oct 2019 13:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.9	113.9
145	27.6	23.4	35.2

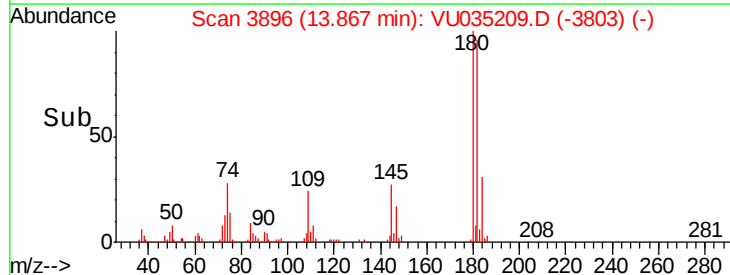
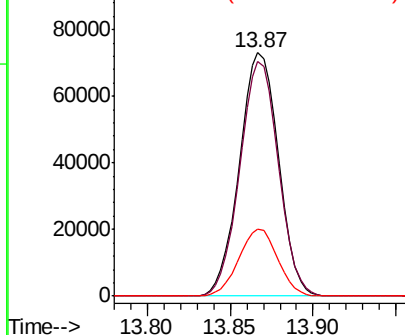


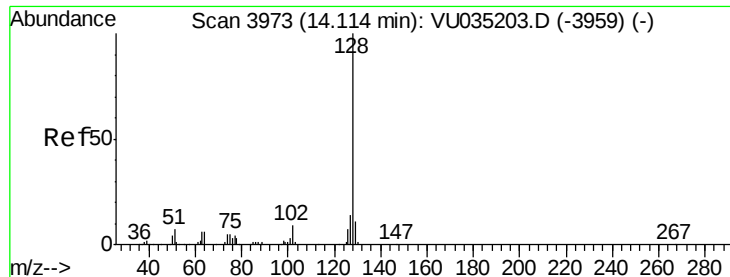
Abundance

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: 3.567 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU035209.D

Acq: 17 Oct 2019 13:45

Instrument :

MSVOA_U

ClientSampleId :

VICV05

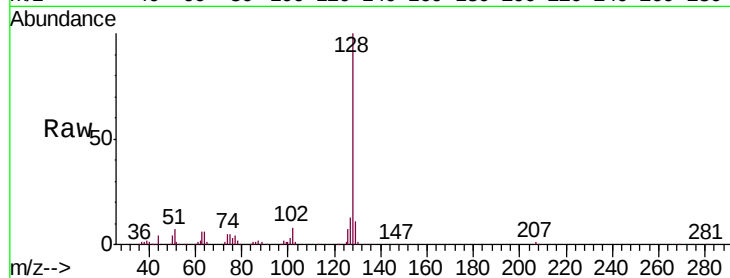
Tgt Ion:128 Resp: 123764

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

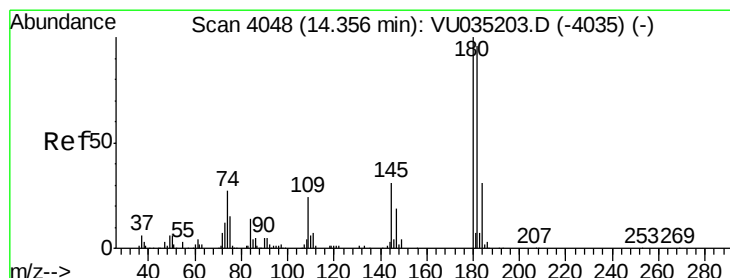
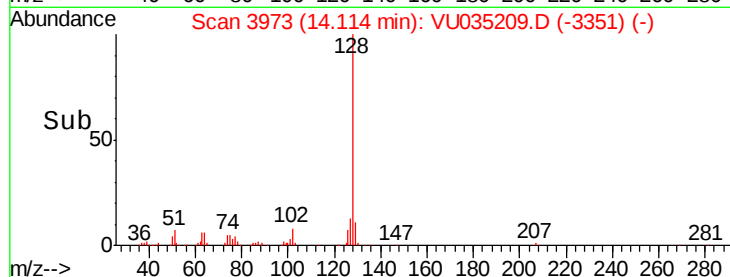
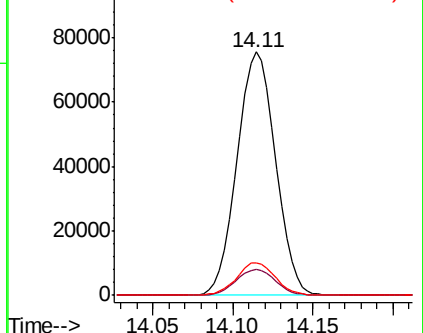
127 13.4 10.7 16.1



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: 4.854 ug/L

RT: 14.36 min Scan# 4048

Delta R.T. -0.00 min

Lab File: VU035209.D

Acq: 17 Oct 2019 13:45

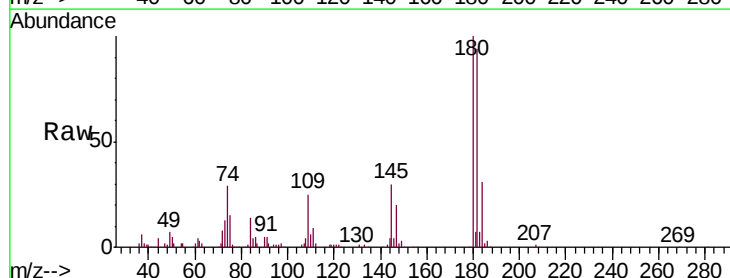
Tgt Ion:180 Resp: 114713

Ion Ratio Lower Upper

180 100

182 95.5 76.0 114.0

145 29.6 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

