

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081920\
 Data File : VU039902.D
 Acq On : 19 Aug 2020 11:55
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV01

Quant Time: Aug 20 08:15:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR081920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Aug 20 08:13:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	79172	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	76472	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	41344	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	32366	4.69	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.80%
7) Chloroethane-d5	1.92	69	29090	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.60%
11) 1,1-Dichloroethene-d2	2.58	63	62211	4.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.00%
20) 2-Butanone-d5	4.66	46	107408	48.60	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.20%
24) Chloroform-d	5.08	84	59525	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
26) 1,2-Dichloroethane-d4	5.72	65	33242	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
32) Benzene-d6	5.75	84	112634	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
36) 1,2-Dichloropropane-d6	6.70	67	37471	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.80%
41) Toluene-d8	7.91	98	99111	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
43) trans-1,3-Dichloropropene-	8.19	79	15208	4.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.40%
46) 2-Hexanone-d5	8.64	63	82085	51.33	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.66%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	33518	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	40866	5.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	38636	4.695 ug/L	99
3) Chloromethane	1.53	50	41188	4.424 ug/L	99
5) Vinyl chloride	1.61	62	40715	4.622 ug/L	99
6) Bromomethane	1.87	94	24558	4.883 ug/L	93
8) Chloroethane	1.94	64	27350	4.855 ug/L	98
9) Trichlorofluoromethane	2.15	101	62577	4.749 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	33938	4.682 ug/L	94
12) 1,1-Dichloroethene	2.59	96	31533	4.554 ug/L	90
13) Acetone	2.66	43	72990	48.333 ug/L #	42
14) Carbon disulfide	2.81	76	105081	4.695 ug/L	99
15) Methyl Acetate	2.97	43	18207	4.697 ug/L	97
16) Methylene chloride	3.06	84	35709	3.750 ug/L	97
17) Methyl tert-butyl Ether	3.38	73	83910	4.805 ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	33852	4.707 ug/L	99
19) 1,1-Dichloroethane	3.89	63	62352	4.677 ug/L	98
21) 2-Butanone	4.74	43	123692	47.140 ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	36709	4.876 ug/L	100

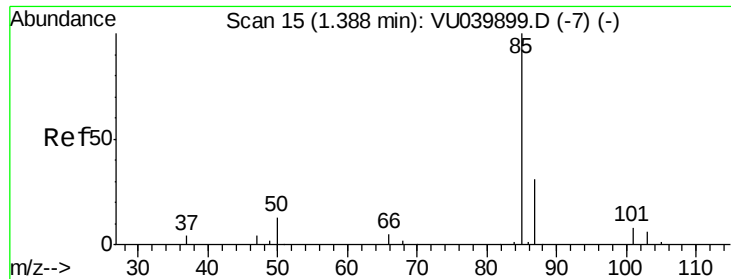
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081920\
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 Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	17136	4.839	ug/L	99
25) Chloroform	5.11	83	63555	4.703	ug/L	98
27) 1,2-Dichloroethane	5.81	62	44899	4.735	ug/L	99
29) 1,1,1-Trichloroethane	5.34	97	55265	4.913	ug/L	98
30) Cyclohexane	5.41	56	58039	5.212	ug/L	98
31) Carbon tetrachloride	5.54	117	48691	4.903	ug/L	99
33) Benzene	5.79	78	140658	5.061	ug/L	100
34) Trichloroethene	6.56	95	35075	4.863	ug/L	94
35) Methylcyclohexane	6.77	83	57582	5.212	ug/L	99
37) 1,2-Dichloropropane	6.80	63	38014	5.147	ug/L	98
38) Bromodichloromethane	7.11	83	47711	5.083	ug/L	95
39) cis-1,3-Dichloropropene	7.62	75	51783	5.017	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	292995	50.096	ug/L	99
42) Toluene	7.98	91	143682	5.056	ug/L	100
44) trans-1,3-Dichloropropene	8.22	75	48062	4.955	ug/L	95
45) 1,1,2-Trichloroethane	8.41	97	27380	4.879	ug/L	97
47) Tetrachloroethene	8.56	164	27782	5.221	ug/L	94
48) 2-Hexanone	8.69	43	212073	50.598	ug/L	99
49) Dibromochloromethane	8.82	129	33436	4.991	ug/L	97
50) 1,2-Dibromoethane	8.93	107	25961	4.858	ug/L #	98
51) Chlorobenzene	9.45	112	93273	5.026	ug/L	97
52) Ethylbenzene	9.57	91	157953	5.109	ug/L	98
53) m,p-Xylene	9.70	106	63068	5.315	ug/L	95
54) o-Xylene	10.10	106	60145	5.362	ug/L	100
55) Styrene	10.11	104	103493	5.323	ug/L	99
56) Isopropylbenzene	10.48	105	155853	5.184	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	34874	4.813	ug/L	94
59) 1,2,3-Trichloropropane	10.82	75	26066	4.926	ug/L	99
61) Bromoform	10.29	173	19284	5.296	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	78411	5.122	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	79572	5.105	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	75989	5.144	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	5817	4.815	ug/L #	81
67) 1,3,5-Trichlorobenzene	13.21	180	58901	5.181	ug/L	95
68) 1,2,4-trichlorobenzene	13.83	180	51953	5.357	ug/L	98
69) Naphthalene	14.08	128	95004	5.303	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	48749	5.379	ug/L	98

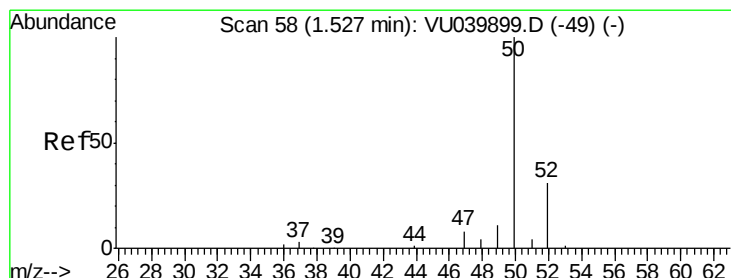
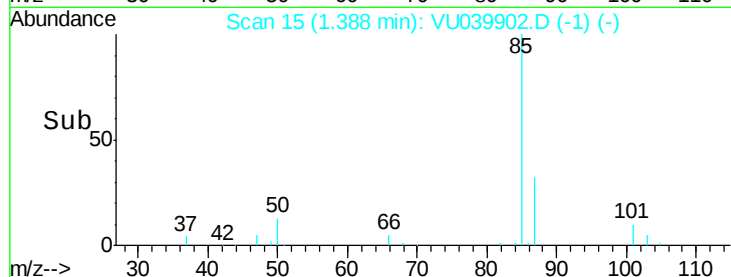
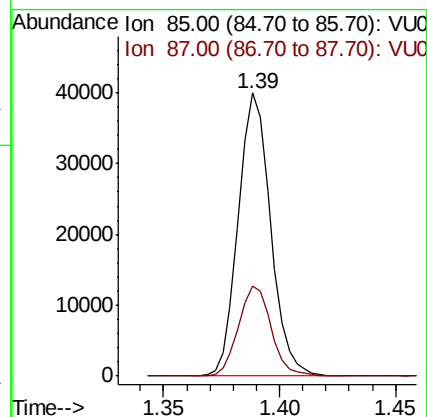
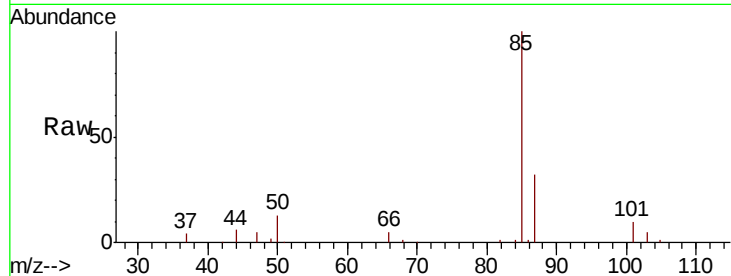
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 4.695 ug/L
RT: 1.39 min Scan# 15
Delta R.T. -0.00 min
Lab File: VU039902.D
Acq: 19 Aug 2020 11:55

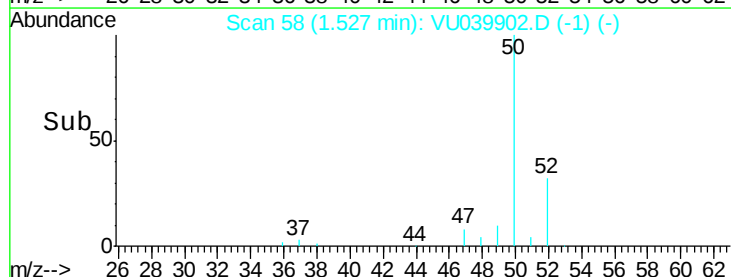
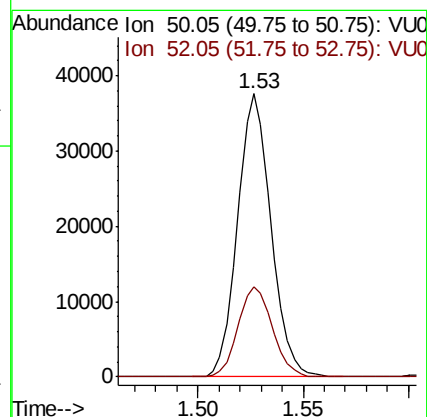
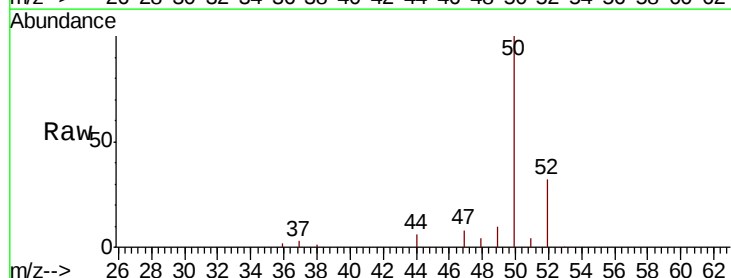
Instrument :
MSVOA_U
ClientSampleId :
VICV01

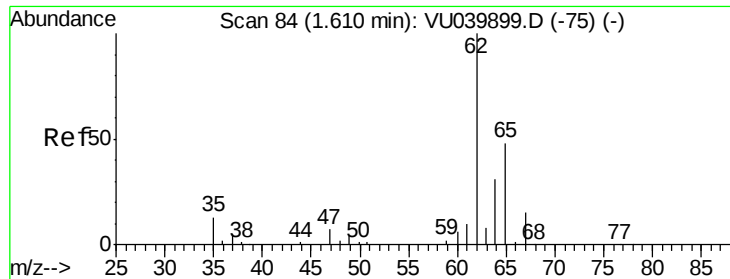
Tot Ion: 85 Resp: 38636
Ion Ratio Lower Upper
85 100
87 32.2 25.2 37.8



#3
Chloromethane
Concen: 4.424 ug/L
RT: 1.53 min Scan# 58
Delta R.T. -0.00 min
Lab File: VU039902.D
Acq: 19 Aug 2020 11:55

Tgt Ion: 50 Resp: 41188
Ion Ratio Lower Upper
50 100
52 32.0 21.9 40.7





#5

Vinyl chloride

Concen: 4.622 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039902.D

Acq: 19 Aug 2020 11:55

Instrument :

MSVOA_U

ClientSampleId :

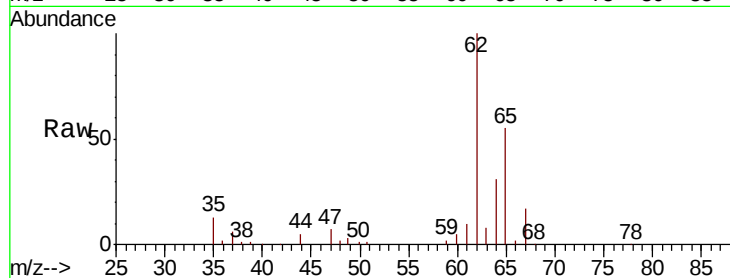
VICV01

Tot Ion: 62 Resp: 40715

Ion Ratio Lower Upper

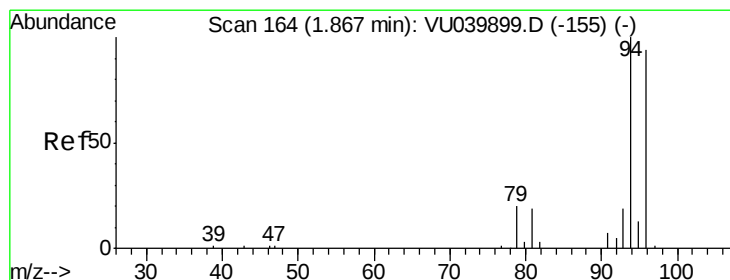
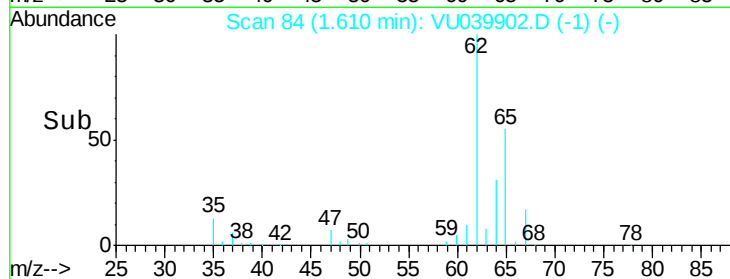
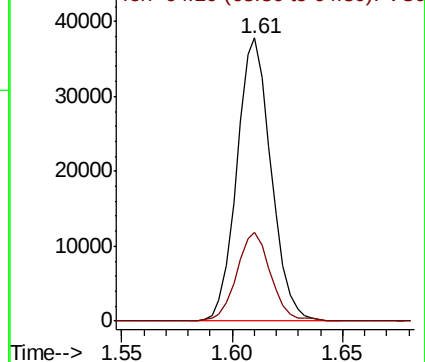
62 100

64 31.3 21.6 40.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.883 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU039902.D

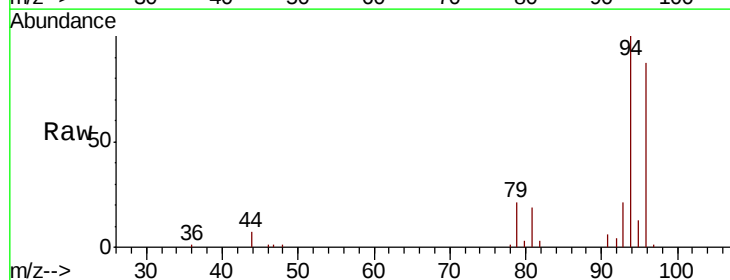
Acq: 19 Aug 2020 11:55

Tgt Ion: 94 Resp: 24558

Ion Ratio Lower Upper

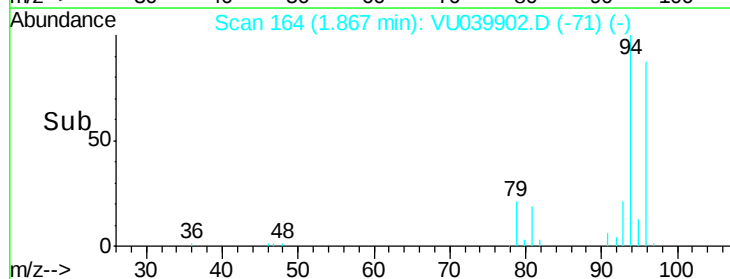
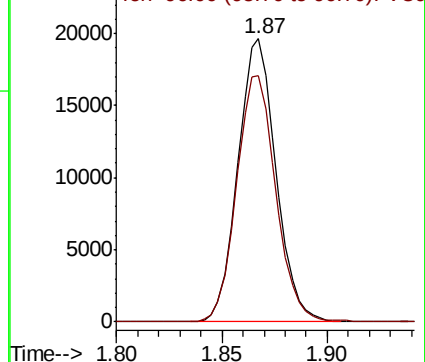
94 100

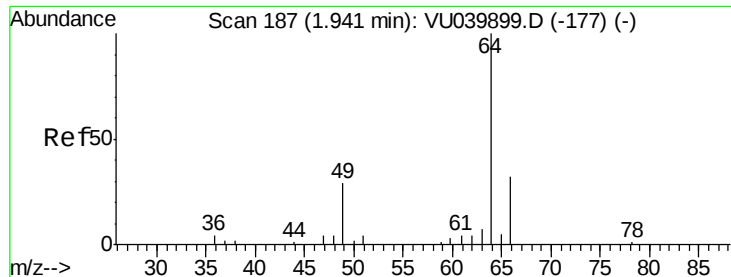
96 87.1 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

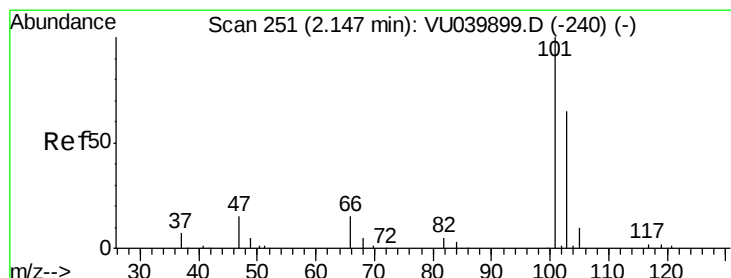
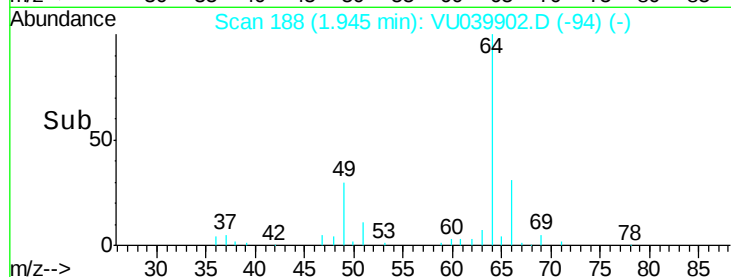
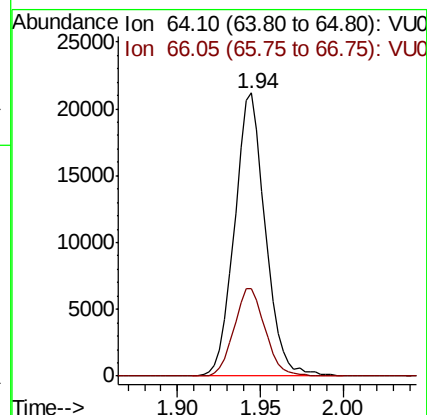
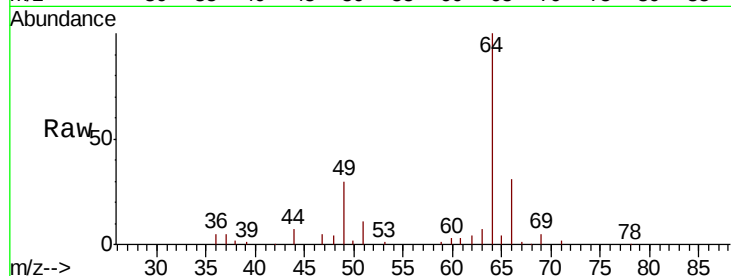




#8
Chloroethane
Concen: 4.855 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU039902.D
Acq: 19 Aug 2020 11:55

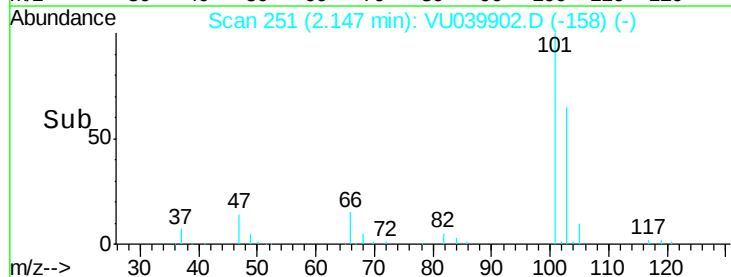
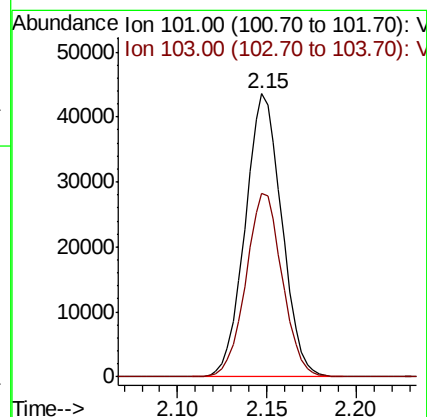
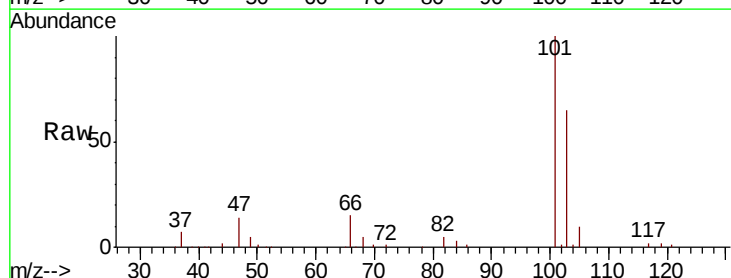
Instrument :
MSVOA_U
ClientSampleId :
VICV01

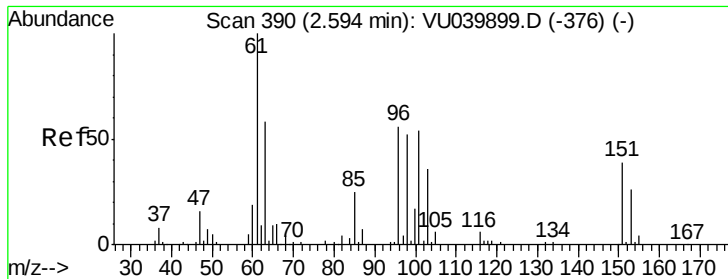
Tot Ion: 64 Resp: 27350
Ion Ratio Lower Upper
64 100
66 31.0 22.6 42.0



#9
Trichlorofluoromethane
Concen: 4.749 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU039902.D
Acq: 19 Aug 2020 11:55

Tgt Ion:101 Resp: 62577
Ion Ratio Lower Upper
101 100
103 64.2 51.0 76.4





#10

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

Concen: 4.682 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039902.D

Acq: 19 Aug 2020 11:55

Instrument :

MSVOA_U

ClientSampleId :

VICV01

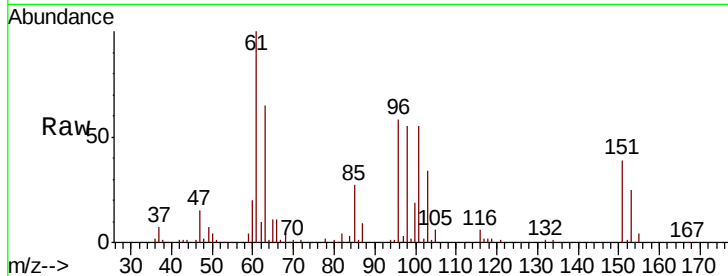
Tot Ion:101 Resp: 33938

Ion Ratio Lower Upper

101 100

85 47.2 34.5 51.7

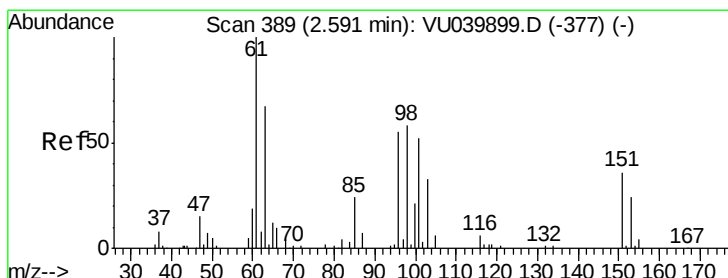
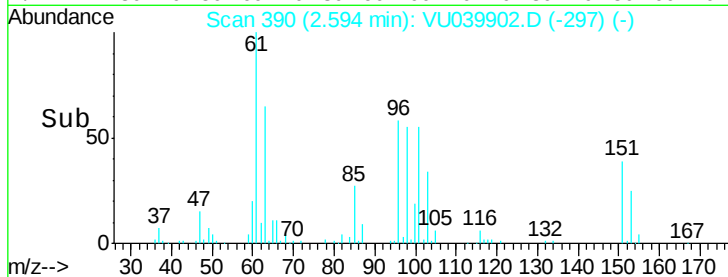
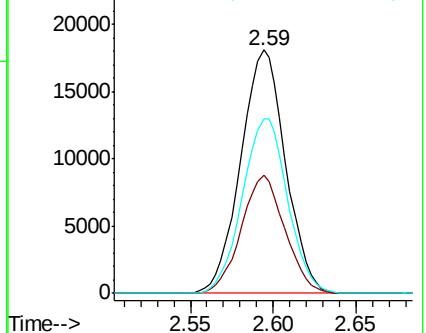
151 72.6 54.4 81.6



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: 4.554 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039902.D

Acq: 19 Aug 2020 11:55

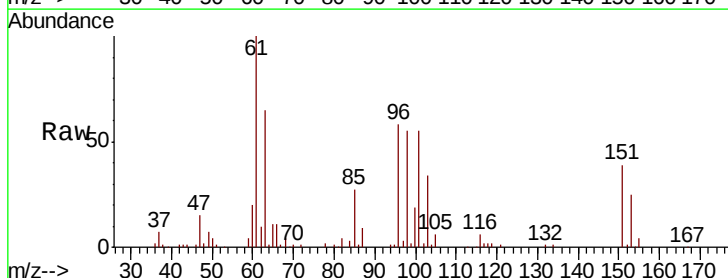
Tgt Ion: 96 Resp: 31533

Ion Ratio Lower Upper

96 100

61 171.1 126.8 235.4

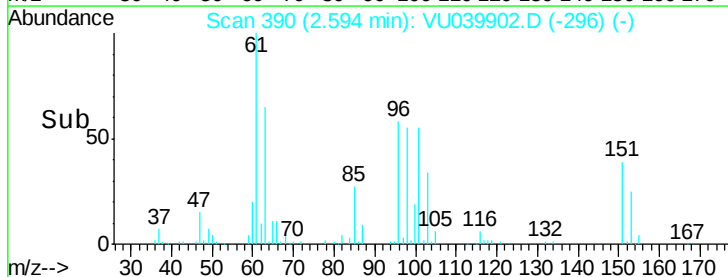
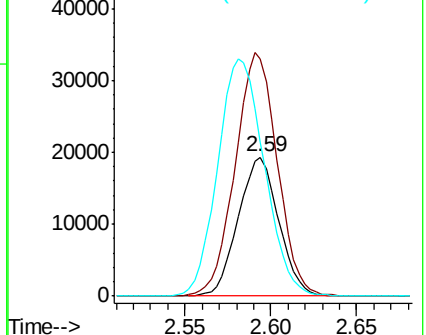
63 111.0 88.6 164.6

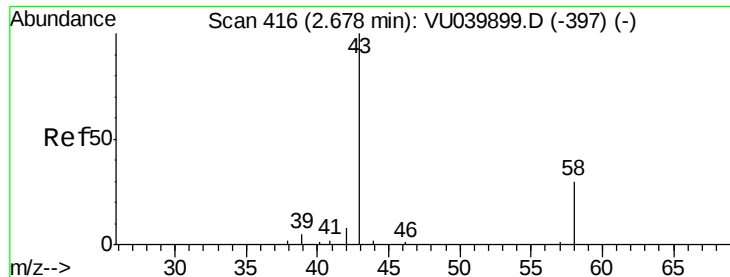


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.333 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.02 min

Lab File: VU039902.D

Acq: 19 Aug 2020 11:55

Instrument :

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ClientSampleId :

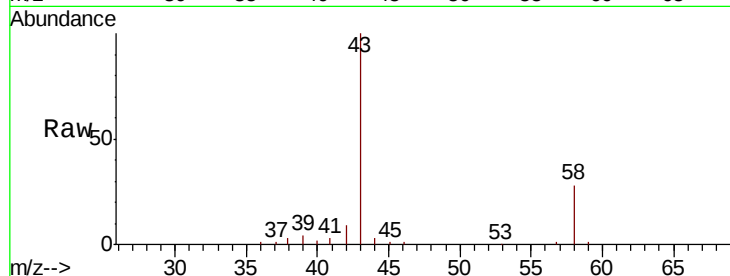
VICV01

Tot Ion: 43 Resp: 72990

Ion Ratio Lower Upper

43 100

58 30.7 0.0 19.0#



Abundance Ion 43.05 (42.75 to 43.75): VU039899.D (-397) (-)

Ion 58.05 (57.75 to 58.75): VU039899.D (-397) (-)

2.66

25000

20000

15000

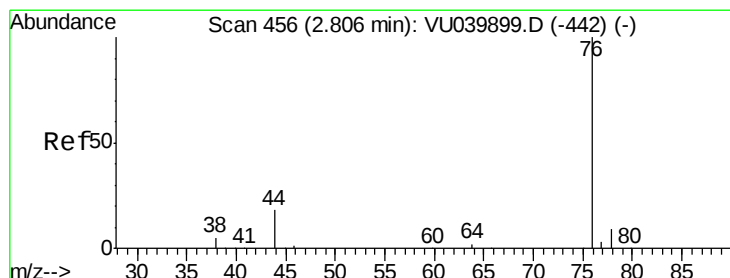
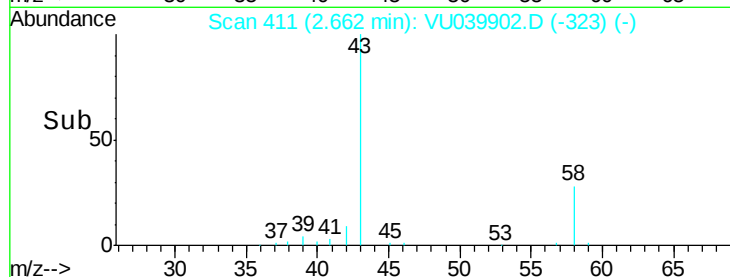
10000

5000

0

Time-->

2.60 2.70 2.80



#14

Carbon disulfide

Concen: 4.695 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039902.D

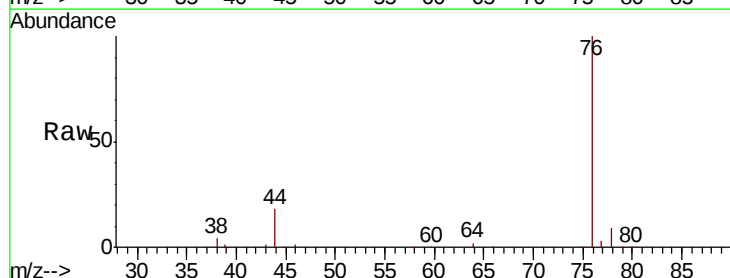
Acq: 19 Aug 2020 11:55

Tgt Ion: 76 Resp: 105081

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU039899.D (-442) (-)

Ion 78.00 (77.70 to 78.70): VU039899.D (-442) (-)

2.81

60000

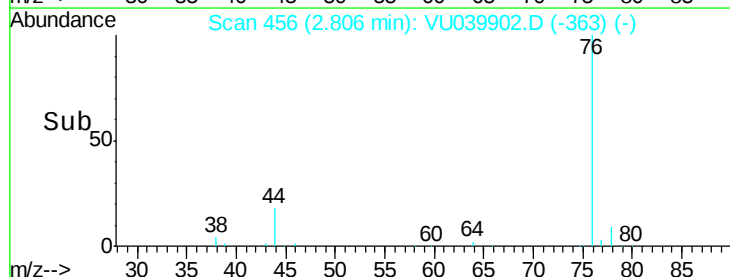
40000

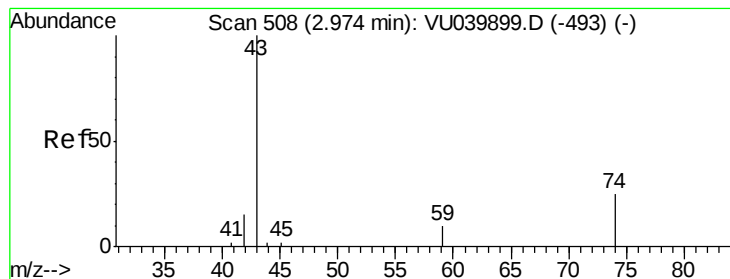
20000

0

Time-->

2.75 2.80 2.85 2.90





#15

Methvl Acetate

Concen: 4.697 ug/L

RT: 2.97 min Scan# 506

Delta R.T. -0.01 min

Lab File: VU039902.D

Acq: 19 Aug 2020 11:55

Instrument :

MSVOA_U

ClientSampleId :

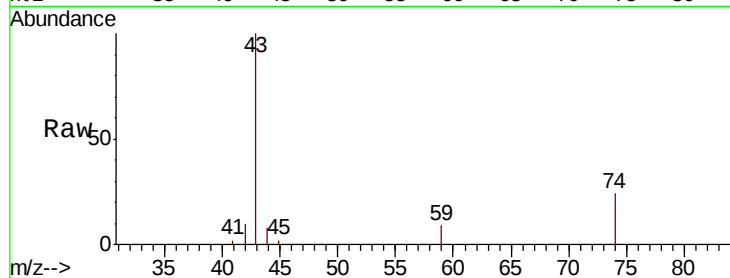
VICV01

Tot Ion: 43 Resp: 18207

Ion Ratio Lower Upper

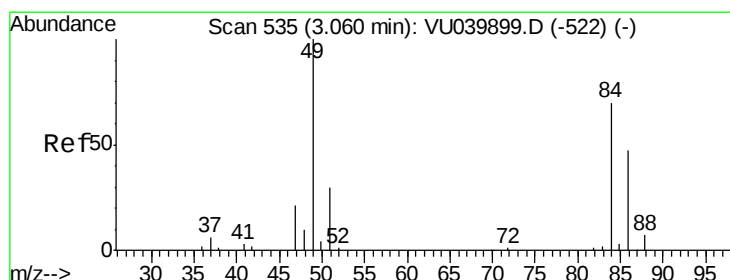
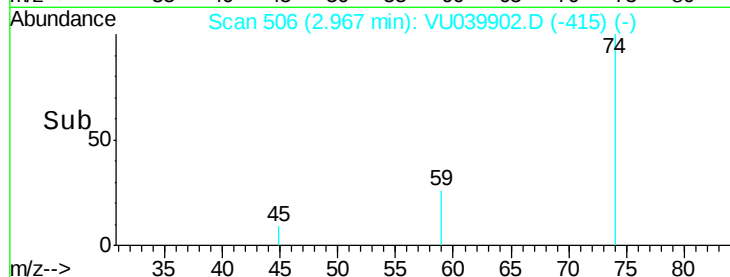
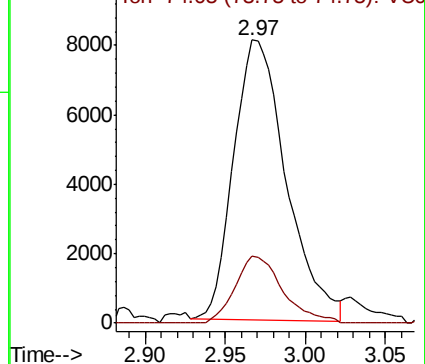
43 100

74 21.7 16.3 24.5



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 3.750 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU039902.D

Acq: 19 Aug 2020 11:55

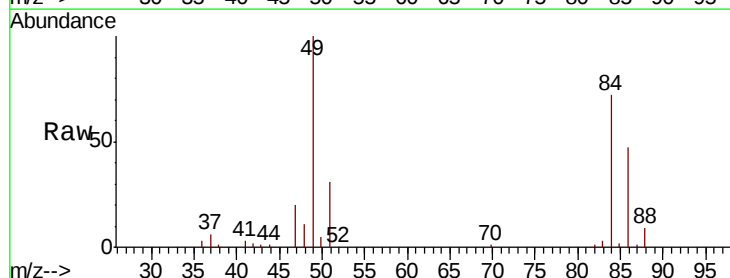
Tgt Ion: 84 Resp: 35709

Ion Ratio Lower Upper

84 100

86 65.5 47.2 87.6

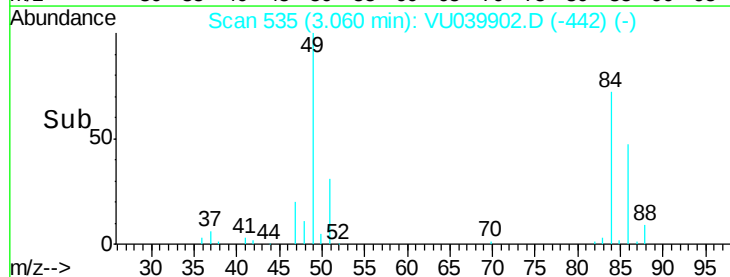
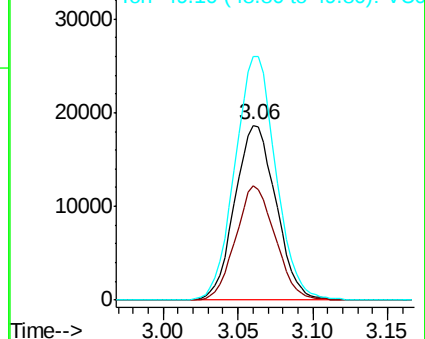
49 139.4 99.8 185.4

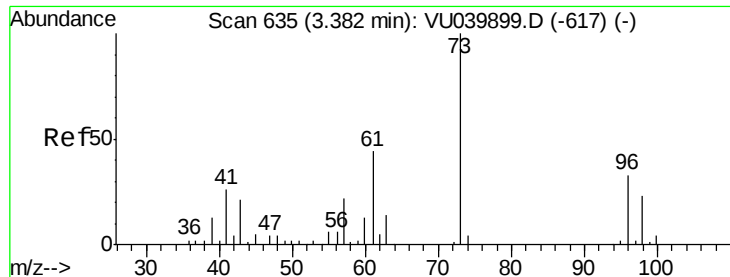


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

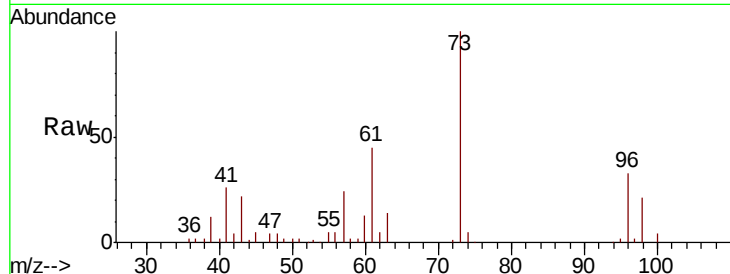




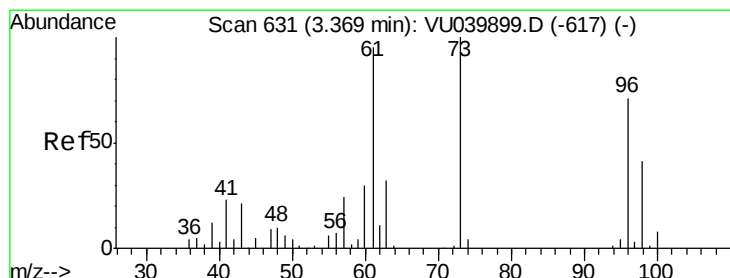
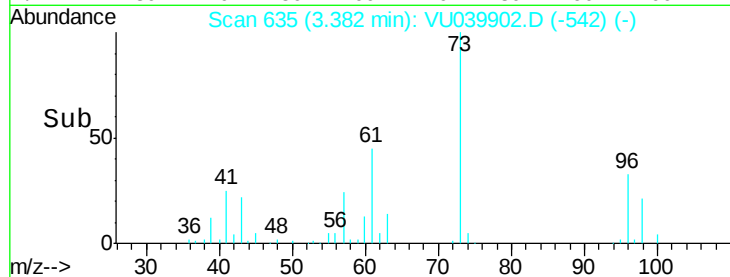
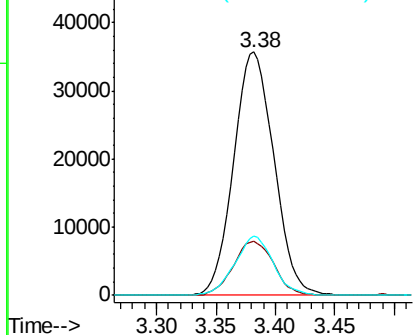
#17
Methvl tert-butvl Ether
Concen: 4.805 ug/L
RT: 3.38 min Scan# 635
Delta R.T. -0.00 min
Lab File: VU039902.D
Acq: 19 Aug 2020 11:55

Instrument :
MSVOA_U
ClientSampled :
VICV01

Tot Ion: 73 Resp: 83910
Ion Ratio Lower Upper
73 100
43 22.4 16.6 24.8
57 23.2 18.2 27.4

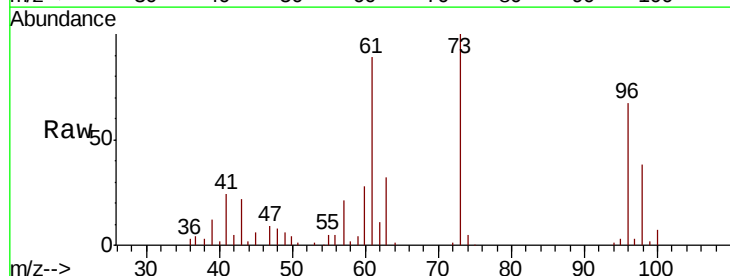


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

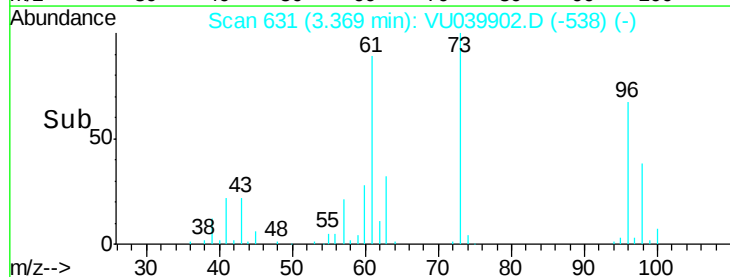
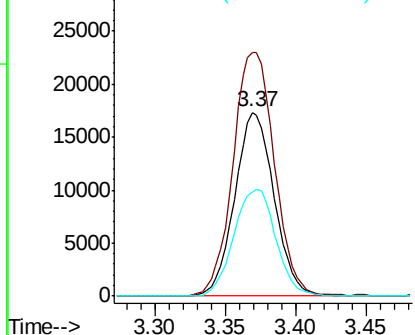


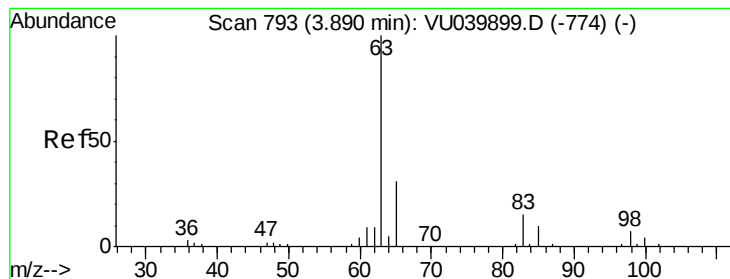
#18
trans-1,2-Dichloroethene
Concen: 4.707 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU039902.D
Acq: 19 Aug 2020 11:55

Tgt Ion: 96 Resp: 33852
Ion Ratio Lower Upper
96 100
61 132.3 93.7 173.9
98 56.7 40.7 75.5



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 4.677 ug/L

RT: 3.89 min Scan# 793

Delta R.T. -0.00 min

Lab File: VU039902.D

Acq: 19 Aug 2020 11:55

Instrument :

MSVOA_U

ClientSampleId :

VICV01

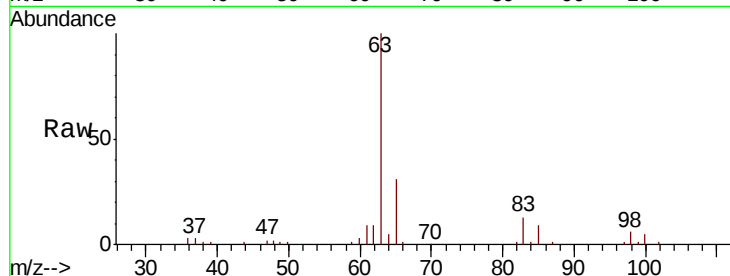
Tot Ion: 63 Resp: 62352

Ion Ratio Lower Upper

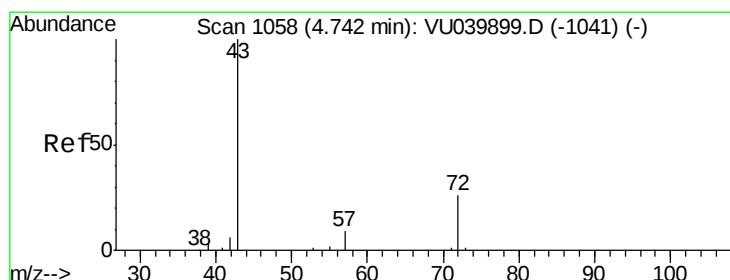
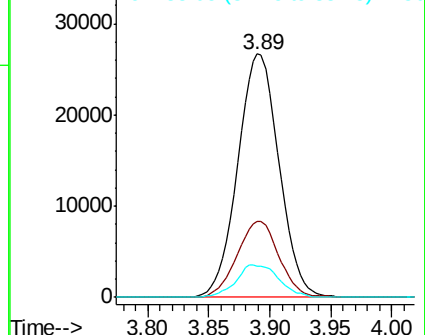
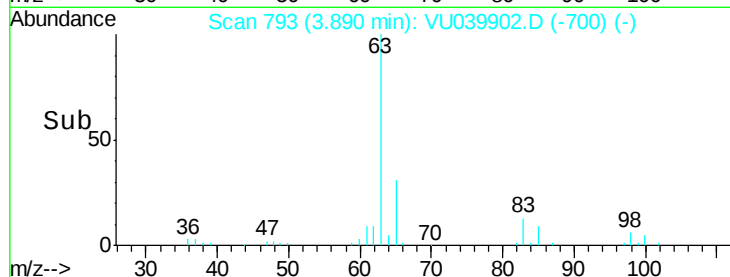
63 100

65 31.4 21.6 40.0

83 13.0 10.3 19.1



Abundance Ion 63.10 (62.80 to 63.80): VU039902.D (-700) (-)



#21

2-Butanone

Concen: 47.140 ug/L

RT: 4.74 min Scan# 1056

Delta R.T. -0.01 min

Lab File: VU039902.D

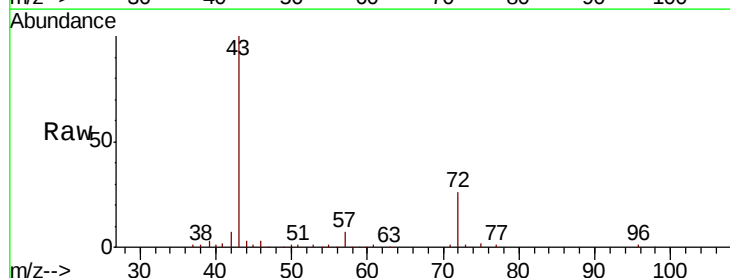
Acq: 19 Aug 2020 11:55

Tgt Ion: 43 Resp: 123692

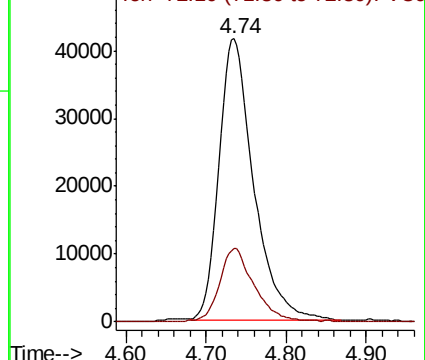
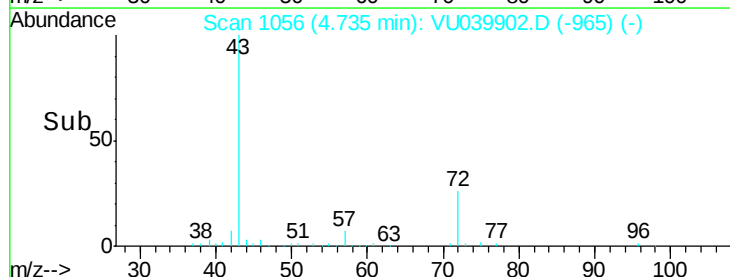
Ion Ratio Lower Upper

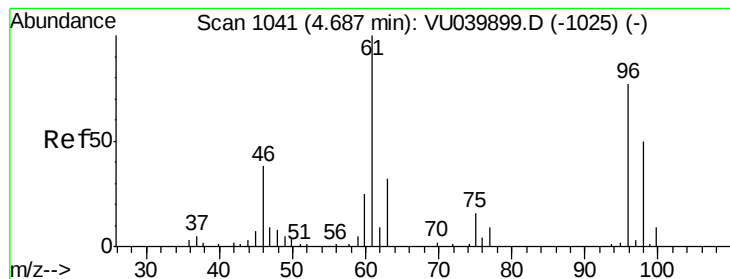
43 100

72 26.3 12.7 38.0



Abundance Ion 43.05 (42.75 to 43.75): VU039902.D (-965) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.876 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VU039902.D

Acq: 19 Aug 2020 11:55

Instrument :

MSVOA_U

ClientSampled :

VICV01

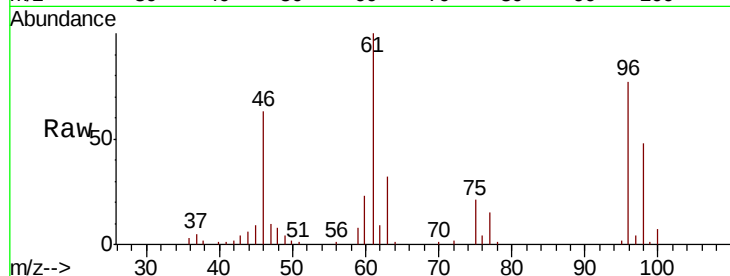
Tot Ion: 96 Resp: 36709

Ion Ratio Lower Upper

96 100

61 130.1 90.9 168.9

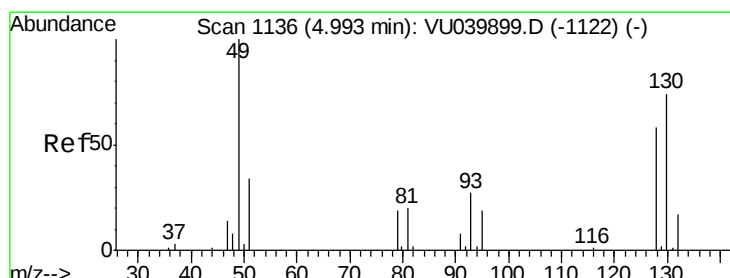
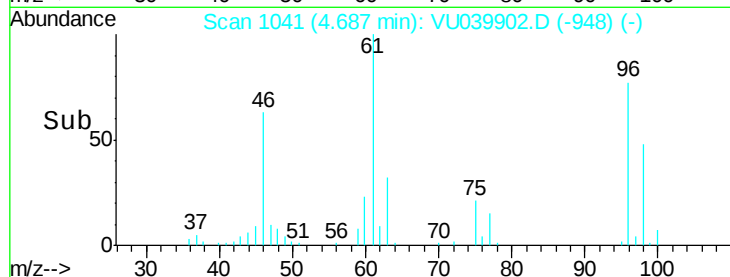
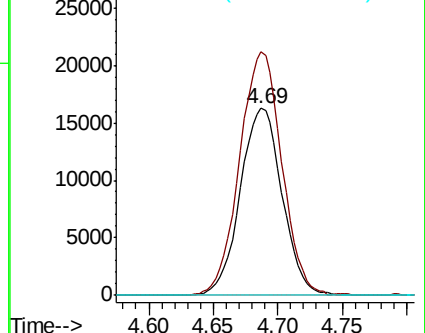
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039902.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU039902.D (-948) (-)

Ion 68.15 (67.85 to 68.85): VU039902.D (-948) (-)



#23

Bromochloromethane

Concen: 4.839 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VU039902.D

Acq: 19 Aug 2020 11:55

Tgt Ion: 128 Resp: 17136

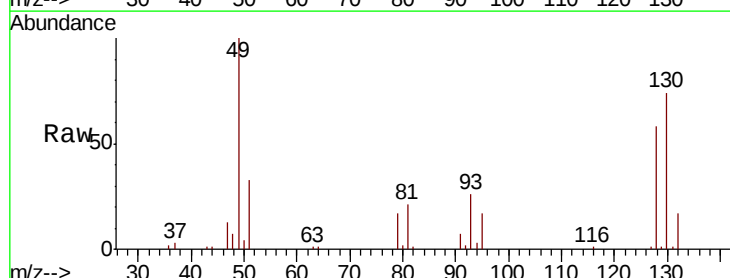
Ion Ratio Lower Upper

128 100

49 172.1 121.2 225.2

130 127.0 90.2 167.6

51 57.2 47.2 70.8

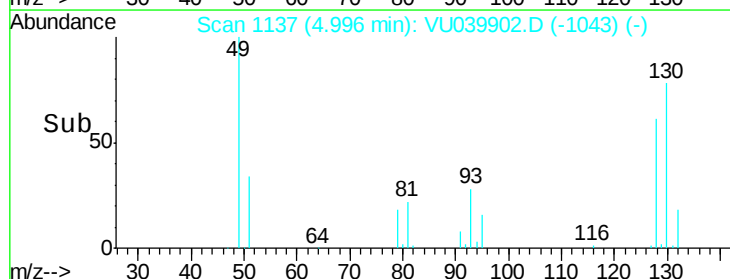
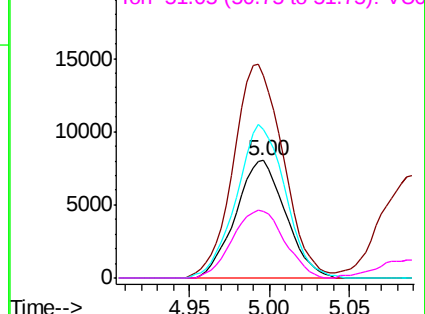


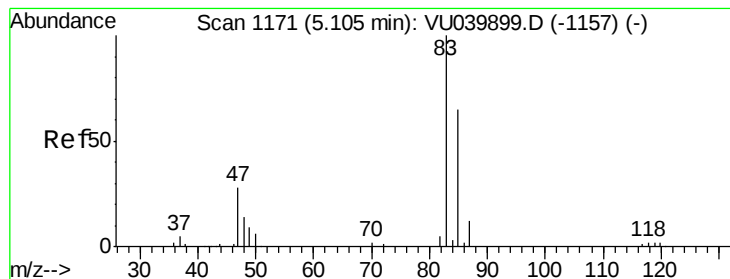
Abundance Ion 127.90 (127.60 to 128.60): VU039902.D (-1043) (-)

Ion 49.10 (48.80 to 49.80): VU039902.D (-1043) (-)

Ion 129.95 (129.65 to 130.65): VU039902.D (-1043) (-)

Ion 51.05 (50.75 to 51.75): VU039902.D (-1043) (-)





#25

Chloroform

Concen: 4.703 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VU039902.D

Acq: 19 Aug 2020 11:55

Instrument :

MSVOA_U

ClientSampleId :

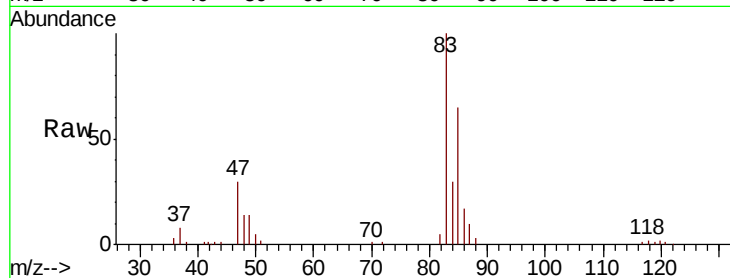
VICV01

Tot Ion: 83 Resp: 63555

Ion Ratio Lower Upper

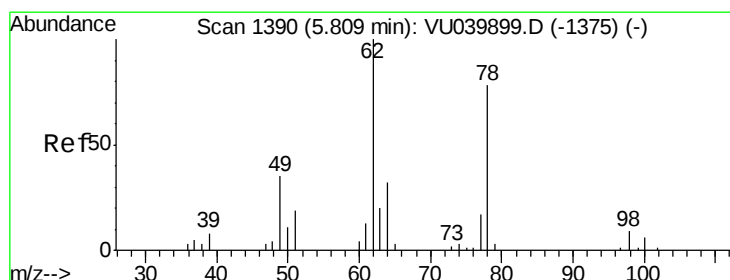
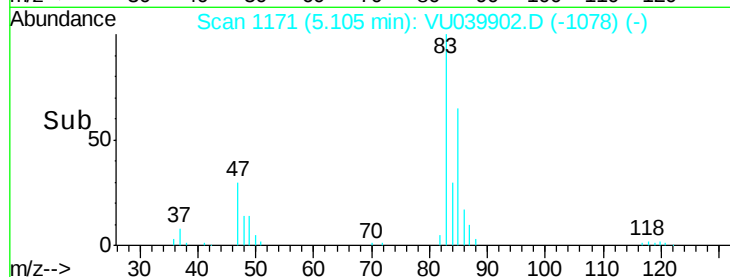
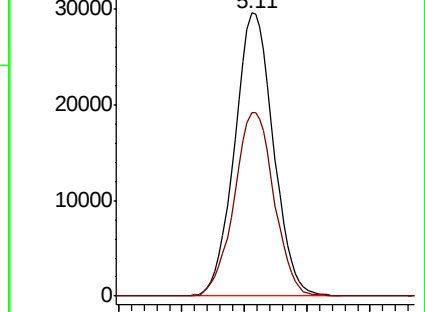
83 100

85 64.8 46.4 86.2



Abundance Ion 83.05 (82.75 to 83.75): VU039899.D (-1157) (-)

Ion 85.00 (84.70 to 85.70): VU039902.D (-1297) (-)



#27

1,2-Dichloroethane

Concen: 4.735 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU039902.D

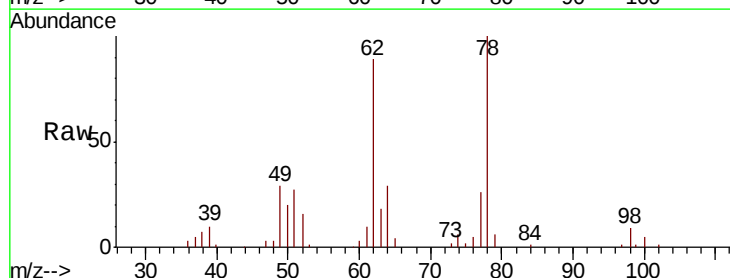
Acq: 19 Aug 2020 11:55

Tgt Ion: 62 Resp: 44899

Ion Ratio Lower Upper

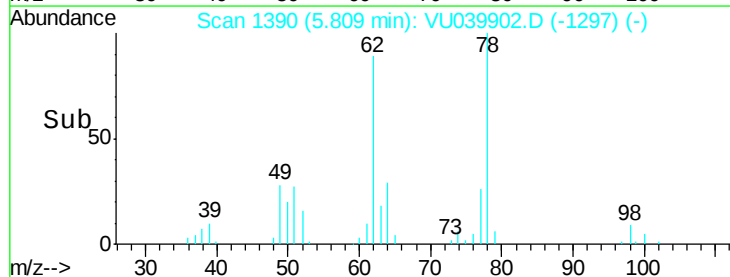
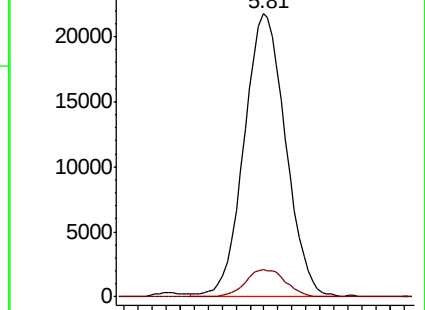
62 100

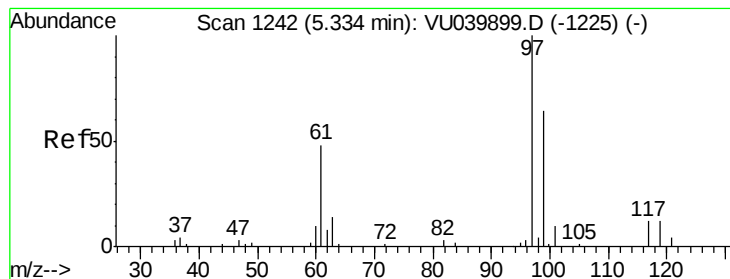
98 9.5 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VU039899.D (-1375) (-)

Ion 98.05 (97.75 to 98.75): VU039902.D (-1297) (-)





#29

1,1,1-Trichloroethane

Concen: 4.913 ug/L

RT: 5.34 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VU039902.D

Acq: 19 Aug 2020 11:55

Instrument :

MSVOA_U

ClientSampleId :

VICV01

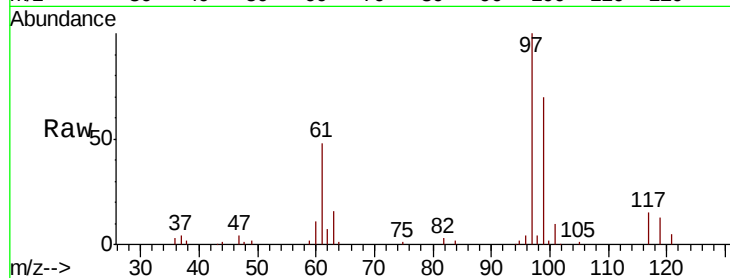
Tot Ion: 97 Resp: 55265

Ion Ratio Lower Upper

97 100

99 66.5 51.4 77.2

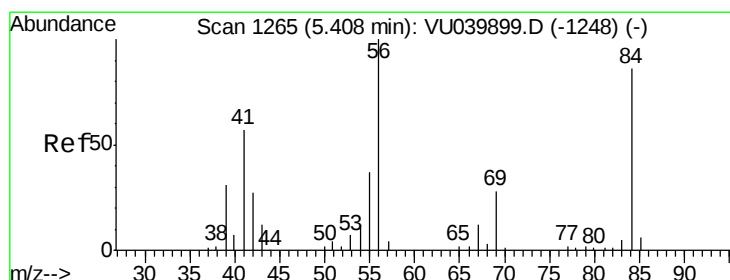
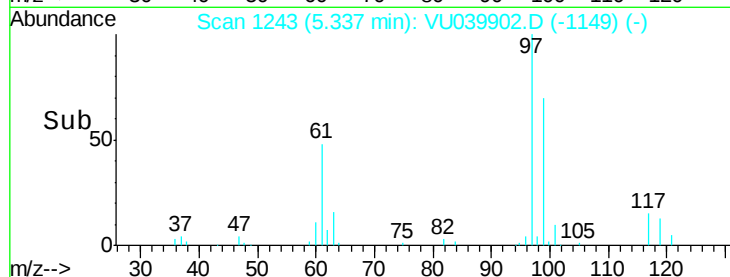
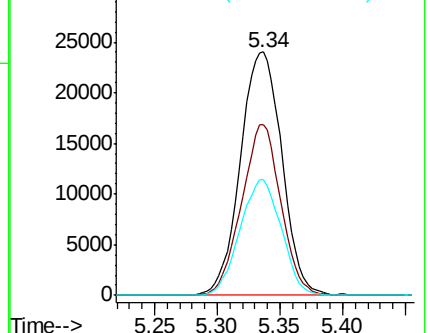
61 47.4 39.1 58.7



Abundance Ion 96.95 (96.65 to 97.65): VU039902.D (-1149) (-)

Ion 99.05 (98.75 to 99.75): VU039902.D (-1149) (-)

Ion 61.05 (60.75 to 61.75): VU039902.D (-1149) (-)



#30

Cyclohexane

Concen: 5.212 ug/L

RT: 5.41 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VU039902.D

Acq: 19 Aug 2020 11:55

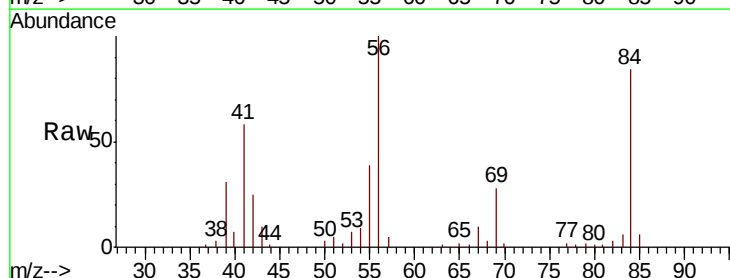
Tgt Ion: 56 Resp: 58039

Ion Ratio Lower Upper

56 100

69 28.0 23.1 34.7

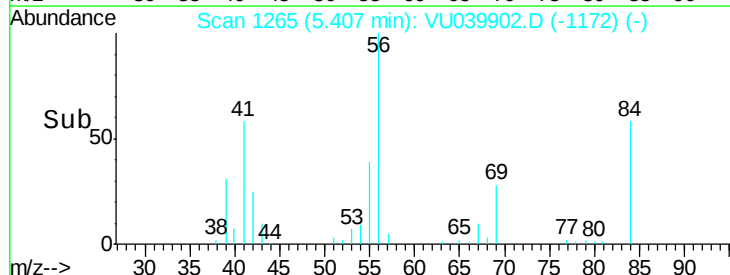
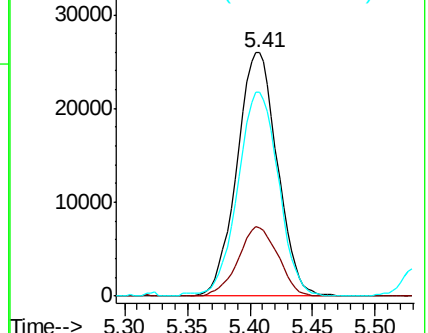
84 84.2 69.0 103.6

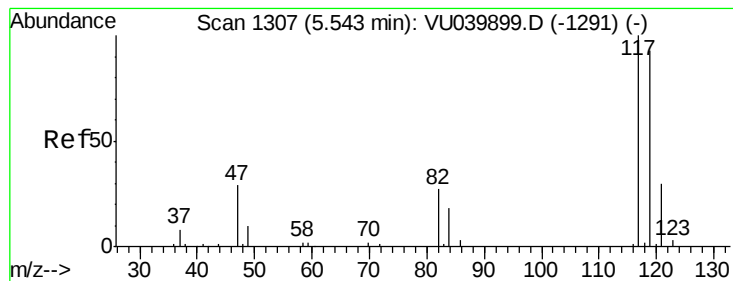


Abundance Ion 56.10 (55.80 to 56.80): VU039902.D (-1172) (-)

Ion 69.15 (68.85 to 69.85): VU039902.D (-1172) (-)

Ion 84.15 (83.85 to 84.85): VU039902.D (-1172) (-)





#31

Carbon tetrachloride

Concen: 4.903 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VU039902.D

Acq: 19 Aug 2020 11:55

Instrument :

MSVOA_U

ClientSampleId :

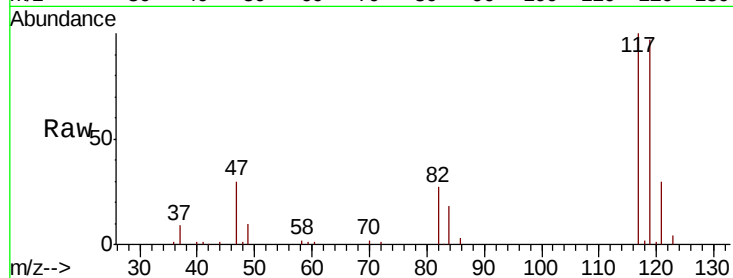
VICV01

Tot Ion:117 Resp: 48691

Ion Ratio Lower Upper

117 100

119 98.1 77.6 116.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.54

25000

20000

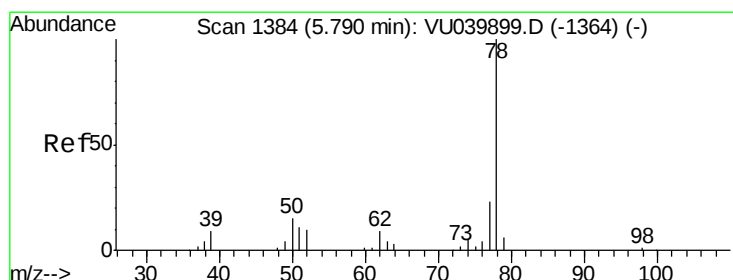
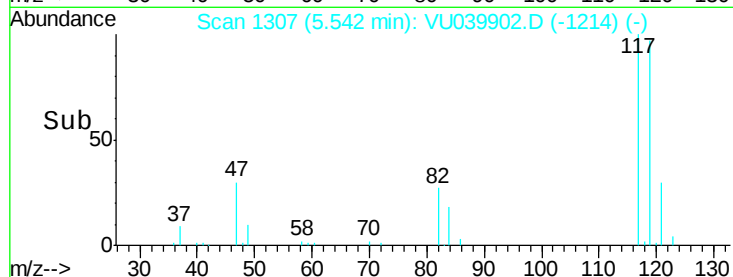
15000

10000

5000

0

Time-->



#33

Benzene

Concen: 5.061 ug/L

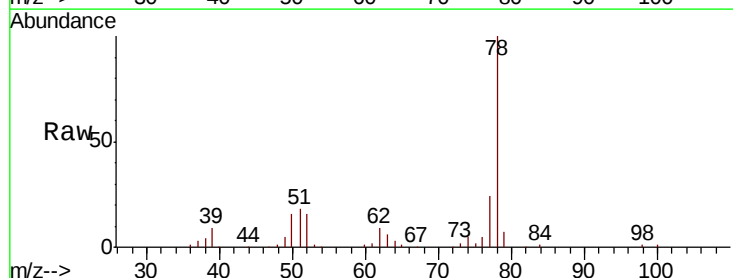
RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

Lab File: VU039902.D

Acq: 19 Aug 2020 11:55

Tgt Ion: 78 Resp: 140658



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.79

80000

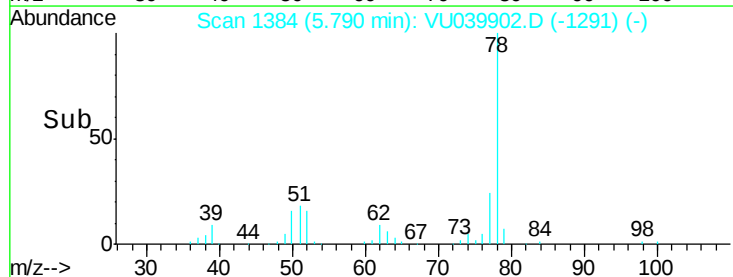
60000

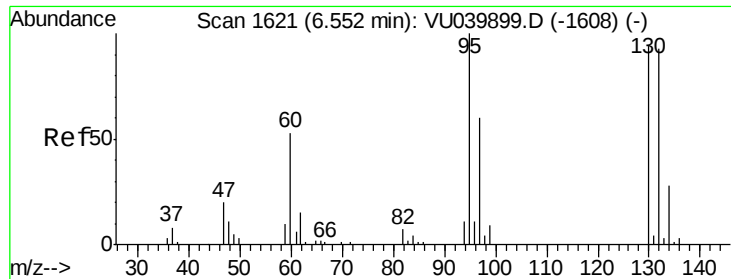
40000

20000

0

Time-->

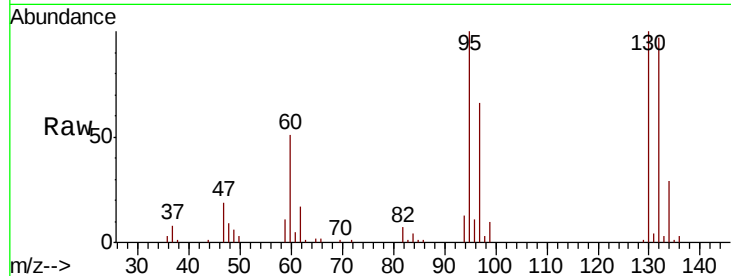




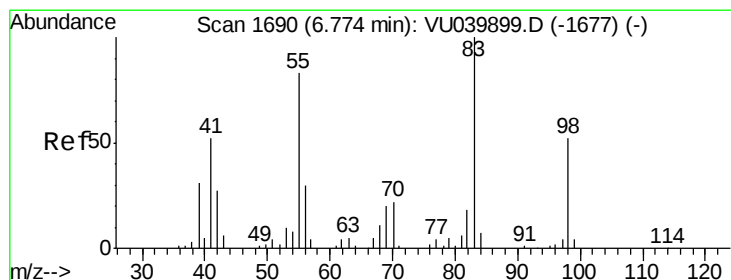
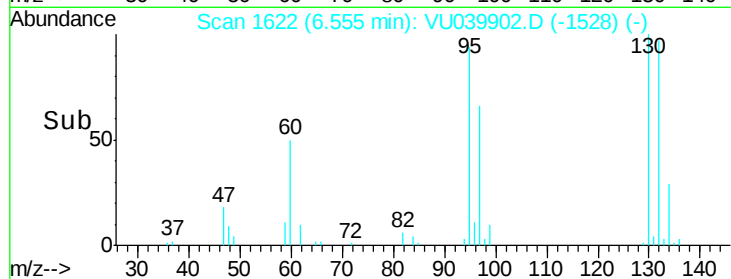
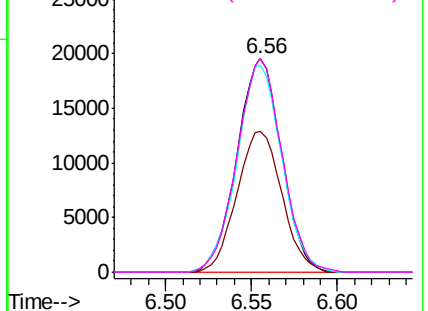
#34
 Trichloroethene
 Concen: 4.863 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU039902.D
 Acq: 19 Aug 2020 11:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV01

Tot Ion: 95 Resp: 35075
 Ion Ratio Lower Upper
 95 100
 97 66.2 42.0 78.0
 132 97.1 65.0 120.8
 130 100.2 65.5 121.7

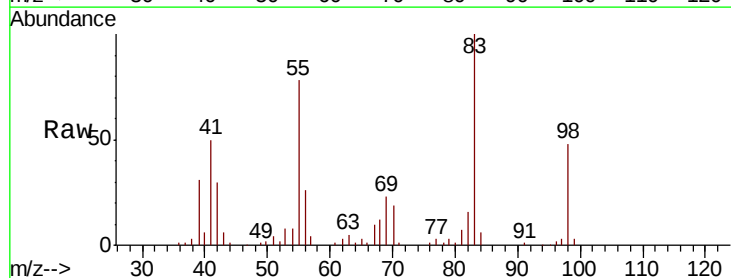


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

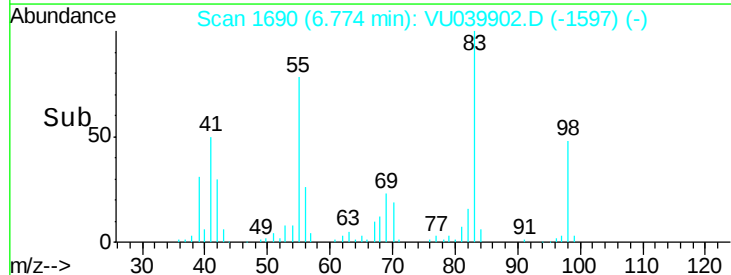
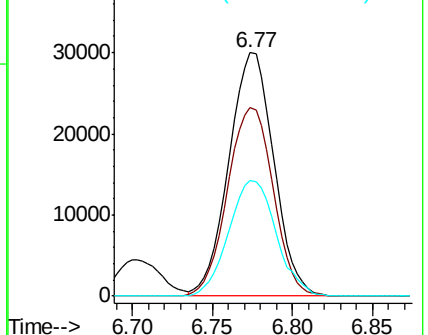


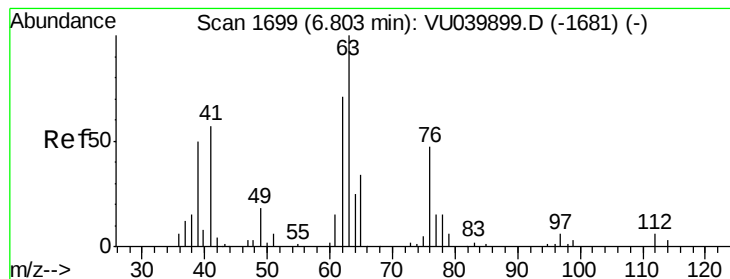
#35
 Methylcyclohexane
 Concen: 5.212 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU039902.D
 Acq: 19 Aug 2020 11:55

Tgt Ion: 83 Resp: 57582
 Ion Ratio Lower Upper
 83 100
 55 78.9 64.1 96.1
 98 50.0 39.4 59.0



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: 5.147 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VU039902.D

Acq: 19 Aug 2020 11:55

Instrument :

MSVOA_U

ClientSampleId :

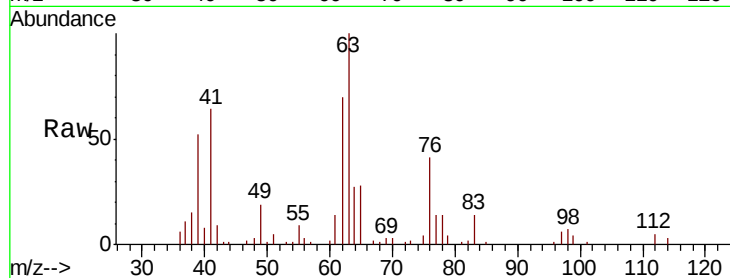
VICV01

Tot Ion: 63 Resp: 38014

Ion Ratio Lower Upper

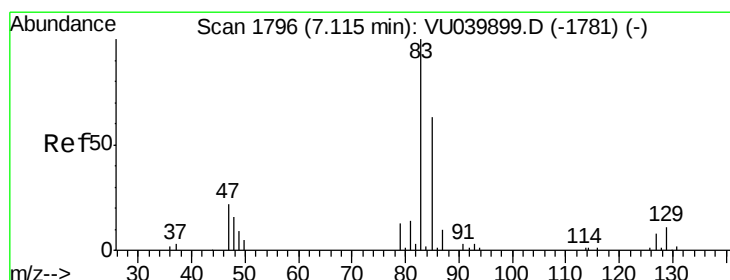
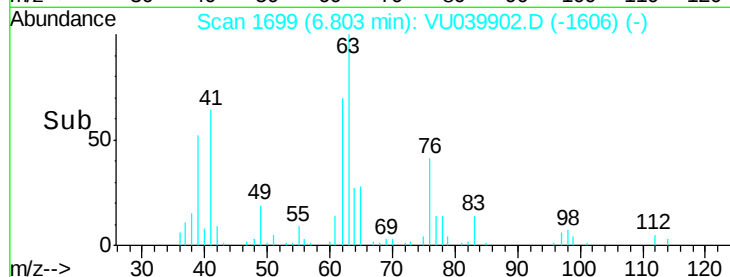
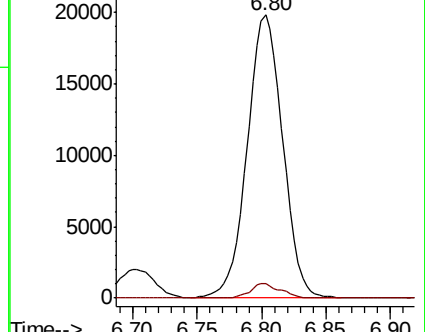
63 100

112 4.3 4.1 6.1



Abundance Ion 63.10 (62.80 to 63.80): VU039899.D (-1681) (-)

Ion 112.10 (111.80 to 112.80): VU039899.D (-1681) (-)



#38

Bromodichloromethane

Concen: 5.083 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VU039902.D

Acq: 19 Aug 2020 11:55

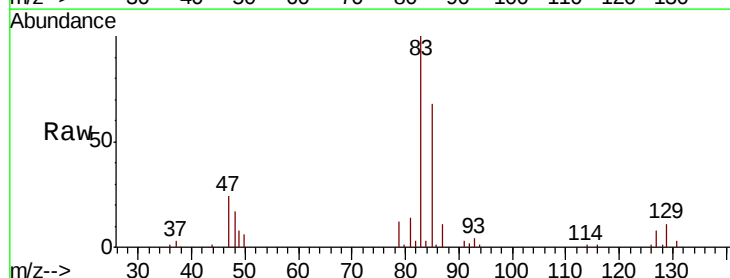
Tgt Ion: 83 Resp: 47711

Ion Ratio Lower Upper

83 100

85 68.1 44.3 82.3

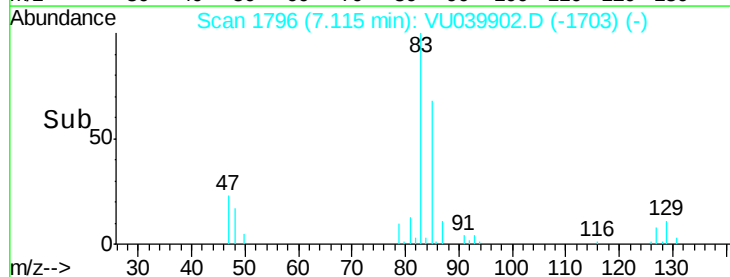
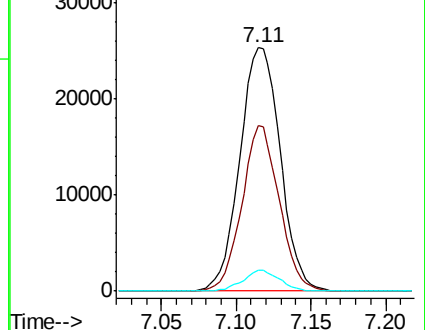
127 8.4 6.7 10.1

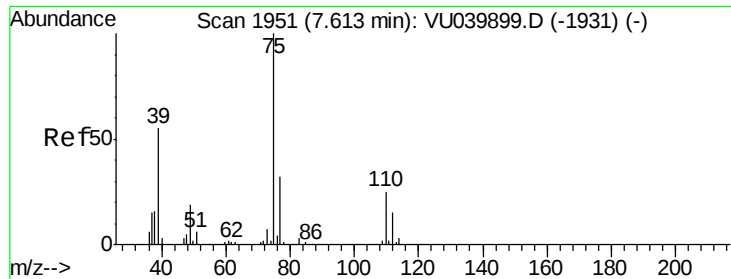


Abundance Ion 82.95 (82.65 to 83.65): VU039899.D (-1781) (-)

Ion 85.00 (84.70 to 85.70): VU039899.D (-1781) (-)

Ion 126.90 (126.60 to 127.60): VU039899.D (-1781) (-)



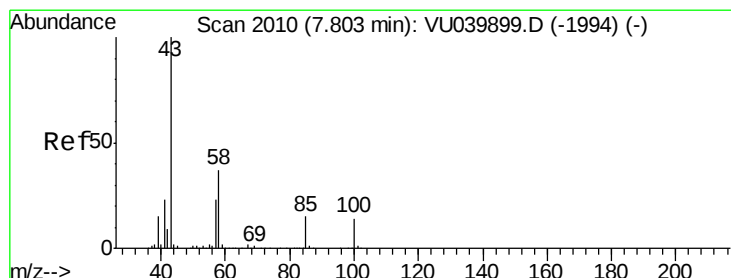
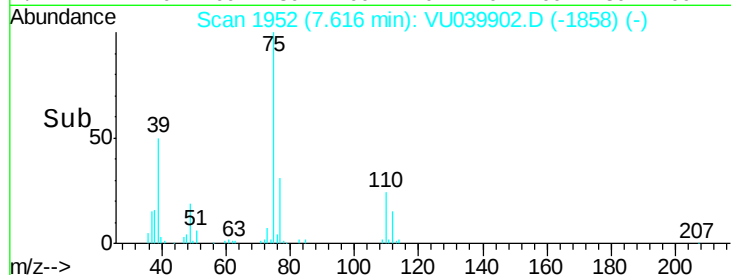
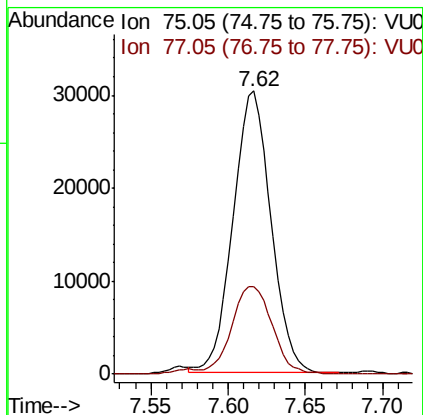
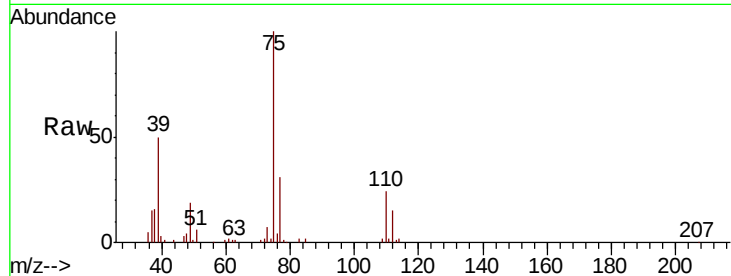


#39

cis-1,3-Dichloropropene
 Concen: 5.017 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU039902.D
 Acq: 19 Aug 2020 11:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV01

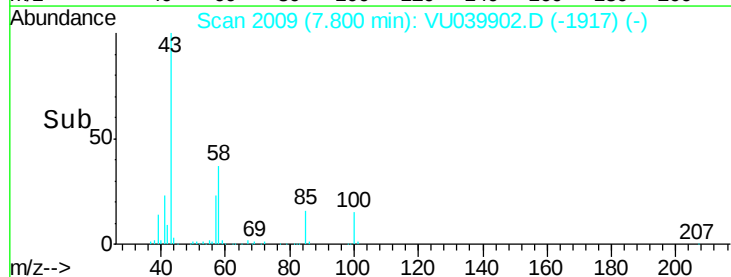
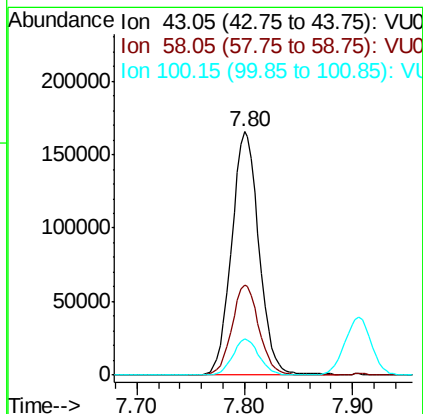
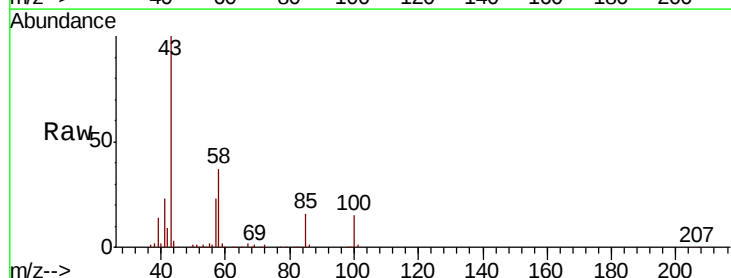
Tot Ion: 75 Resp: 51783
 Ion Ratio Lower Upper
 75 100
 77 30.7 22.6 42.0

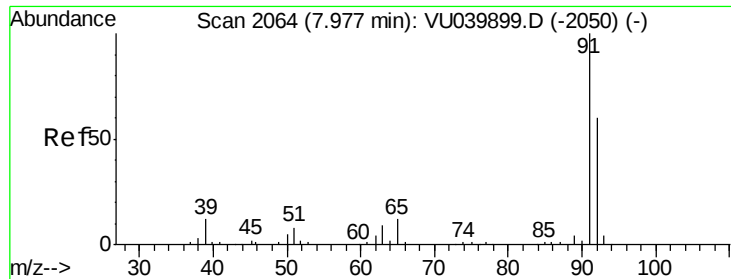


#40

4-Methyl-2-pentanone
 Concen: 50.096 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU039902.D
 Acq: 19 Aug 2020 11:55

Tgt Ion: 43 Resp: 292995
 Ion Ratio Lower Upper
 43 100
 58 36.7 29.7 44.5
 100 14.3 11.2 16.8





#42

Toluene

Concen: 5.056 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039902.D

Acq: 19 Aug 2020 11:55

Instrument :

MSVOA_U

ClientSampleId :

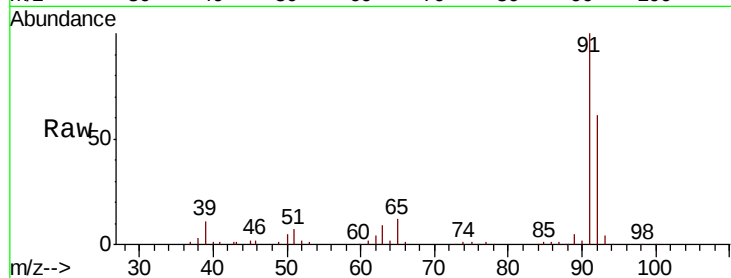
VICV01

Tot Ion: 91 Resp: 143682

Ion Ratio Lower Upper

91 100

92 60.7 42.3 78.5

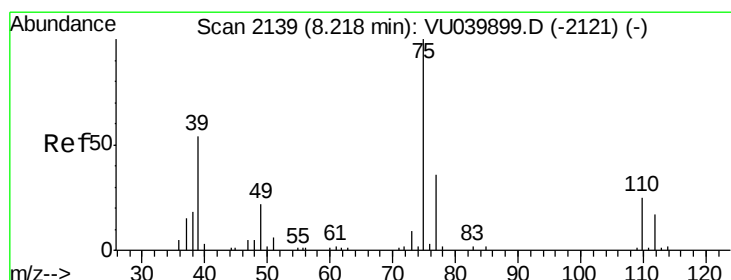
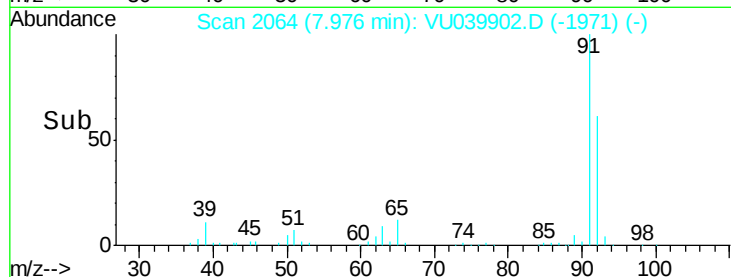


Abundance Ion 91.15 (90.85 to 91.85): VU039899.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU039899.D (-2050) (-)

7.98

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.955 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU039902.D

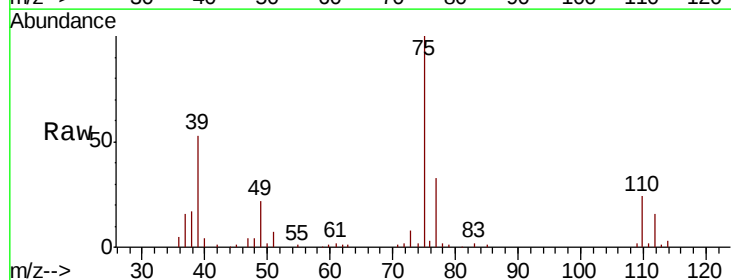
Acq: 19 Aug 2020 11:55

Tgt Ion: 75 Resp: 48062

Ion Ratio Lower Upper

75 100

77 33.0 25.3 46.9

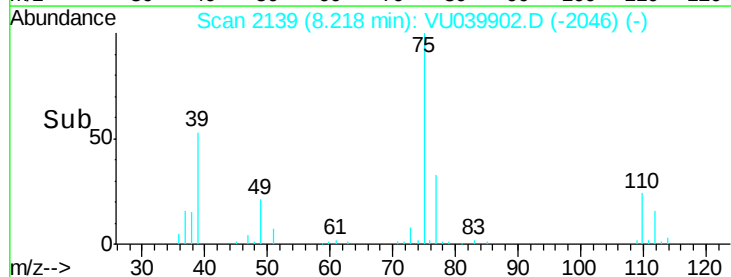


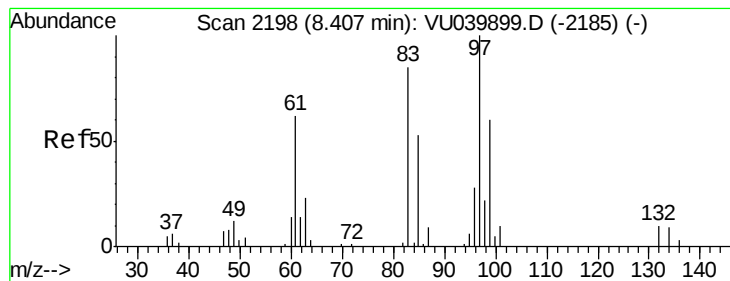
Abundance Ion 75.05 (74.75 to 75.75): VU039899.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU039899.D (-2121) (-)

8.22

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.879 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU039902.D

Acq: 19 Aug 2020 11:55

Instrument :

MSVOA_U

ClientSampled :

VICV01

Tot Ion: 97 Resp: 27380

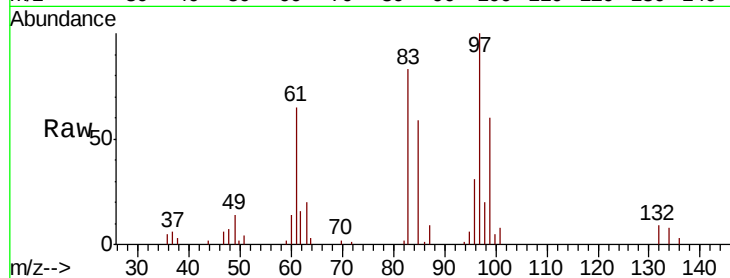
Ion Ratio Lower Upper

97 100

99 60.3 42.1 78.3

83 82.7 59.3 110.1

85 58.9 37.2 69.2

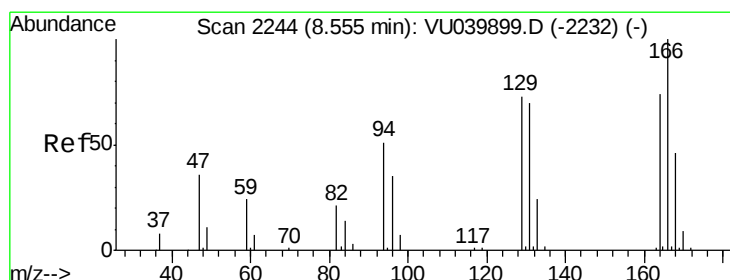
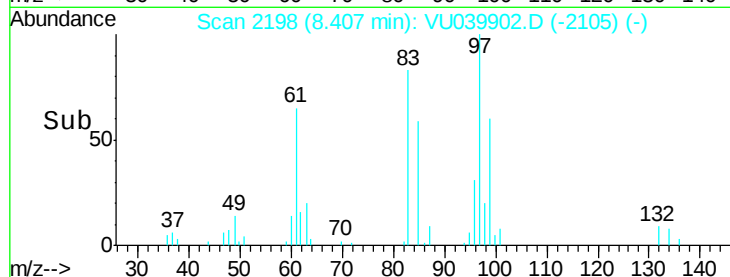
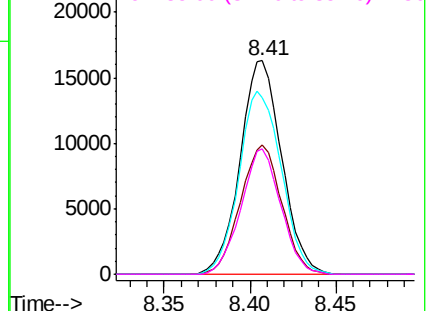


Abundance Ion 96.95 (96.65 to 97.65): VU039899.D (-2185) (-)

Ion 99.05 (98.75 to 99.75): VU039899.D (-2185) (-)

Ion 82.95 (82.65 to 83.65): VU039899.D (-2185) (-)

Ion 85.00 (84.70 to 85.70): VU039899.D (-2185) (-)



#47

Tetrachloroethene

Concen: 5.221 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU039902.D

Acq: 19 Aug 2020 11:55

Tgt Ion: 164 Resp: 27782

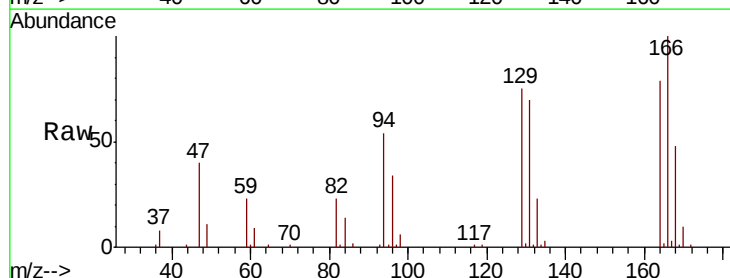
Ion Ratio Lower Upper

164 100

129 94.1 69.1 128.3

131 88.3 66.0 122.6

166 126.0 94.0 174.6

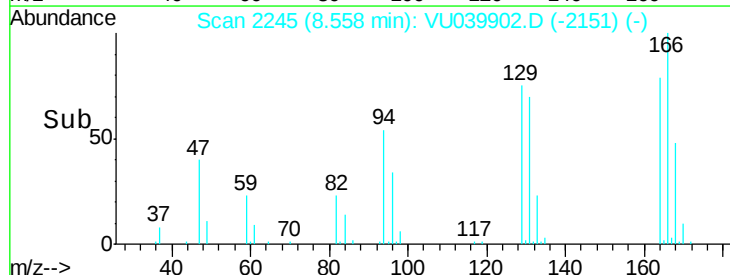
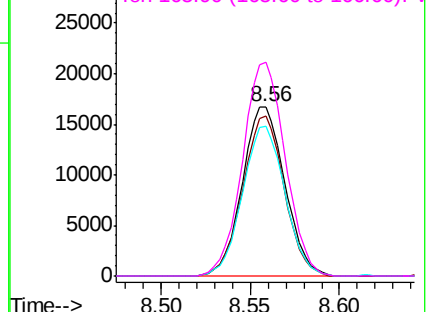


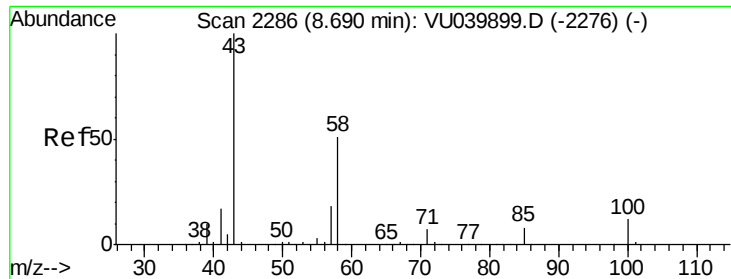
Abundance Ion 163.90 (163.60 to 164.60): VU039899.D (-2232) (-)

Ion 128.95 (128.65 to 129.65): VU039899.D (-2232) (-)

Ion 130.95 (130.65 to 131.65): VU039899.D (-2232) (-)

Ion 165.90 (165.60 to 166.60): VU039899.D (-2232) (-)

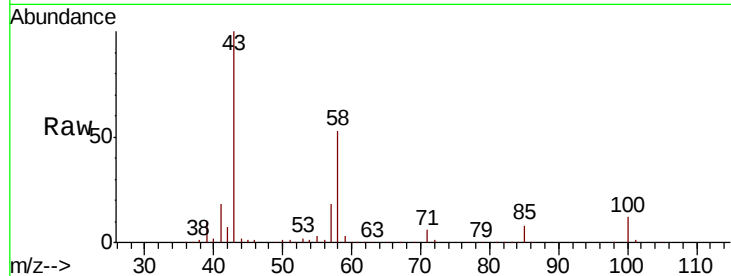




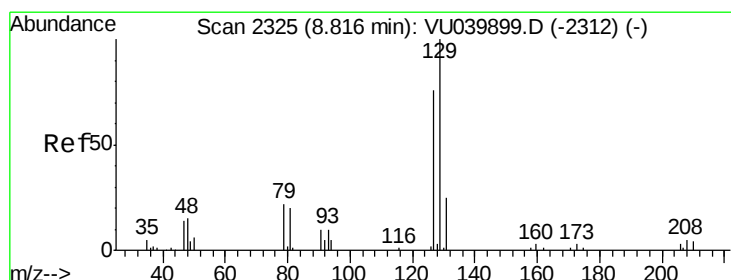
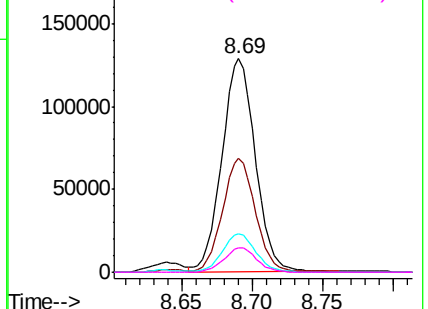
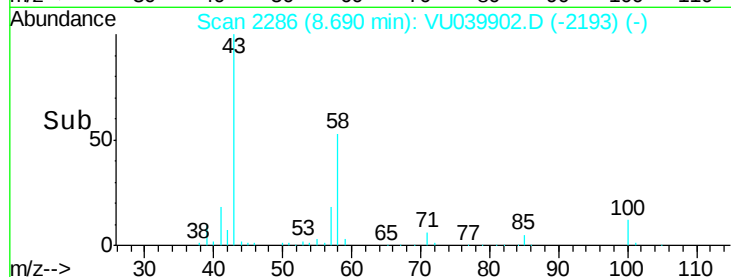
#48
2-Hexanone
Concen: 50.598 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU039902.D
Acq: 19 Aug 2020 11:55

Instrument :
MSVOA_U
ClientSampleId :
VICV01

Tot Ion:	43	Resp:	212073
Ion	Ratio	Lower	Upper
43	100		
58	52.7	41.3	61.9
57	18.1	14.1	21.1
100	11.2	9.1	13.7

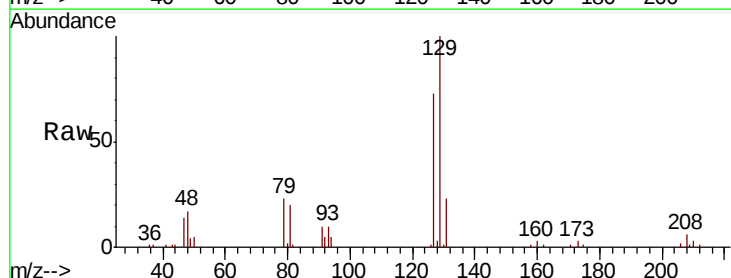


Abundance Ion 43.05 (42.75 to 43.75): VU039902.D (-2193) (-)
Ion 58.05 (57.75 to 58.75): VU039902.D (-2193) (-)
Ion 57.20 (56.90 to 57.90): VU039902.D (-2193) (-)
Ion 100.15 (99.85 to 100.85): VU039902.D (-2193) (-)

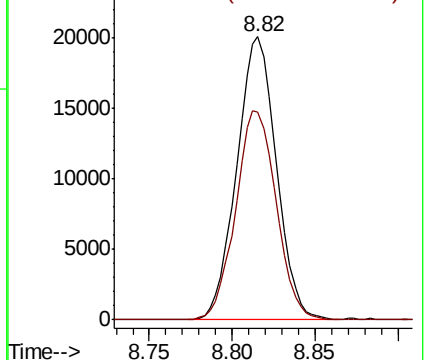
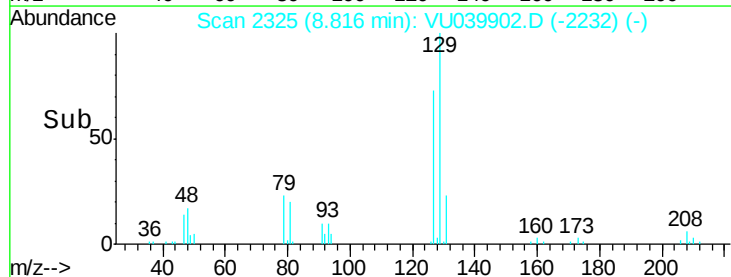


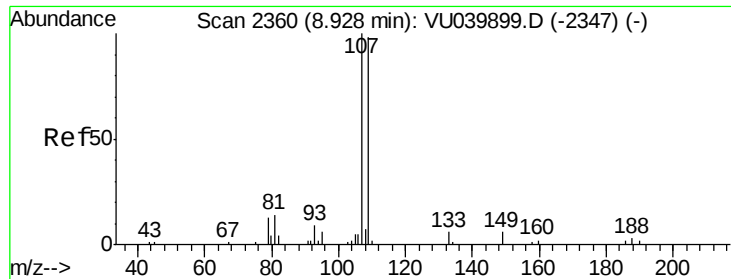
#49
Dibromochloromethane
Concen: 4.991 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU039902.D
Acq: 19 Aug 2020 11:55

Tgt Ion:	129	Resp:	33436
Ion	Ratio	Lower	Upper
129	100		
127	73.4	53.1	98.7



Abundance Ion 128.95 (128.65 to 129.65): VU039902.D (-2232) (-)
Ion 126.90 (126.60 to 127.60): VU039902.D (-2232) (-)

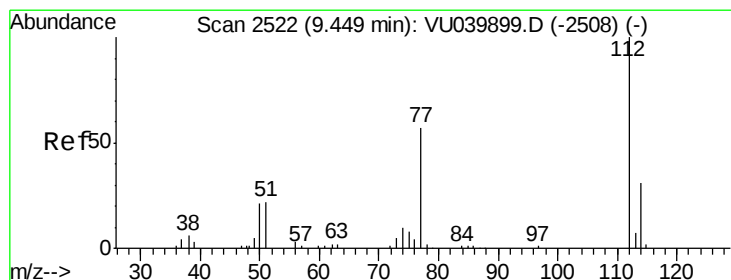
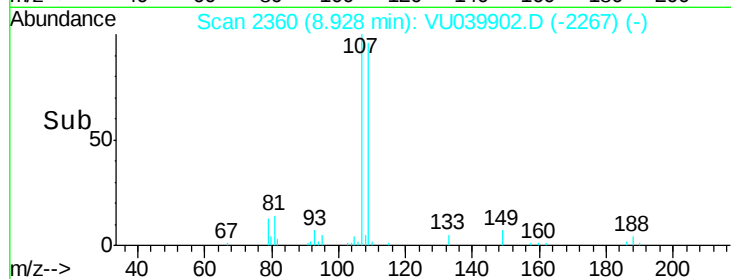
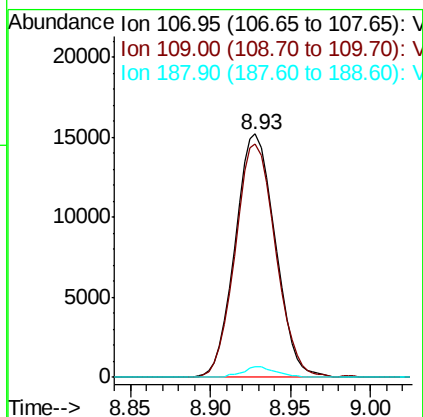
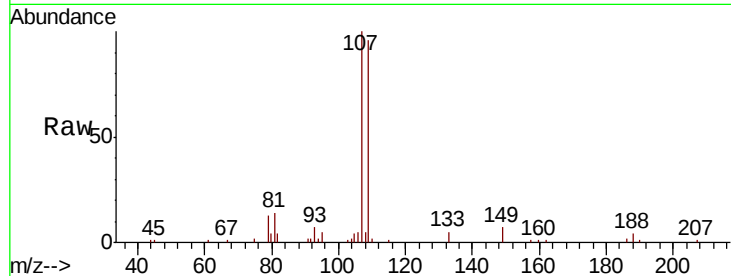




#50
 1,2-Dibromoethane
 Concen: 4.858 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU039902.D
 Acq: 19 Aug 2020 11:55

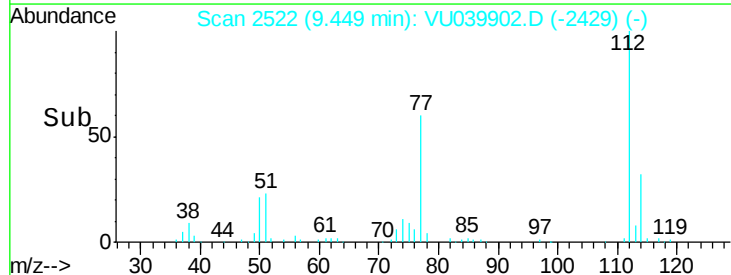
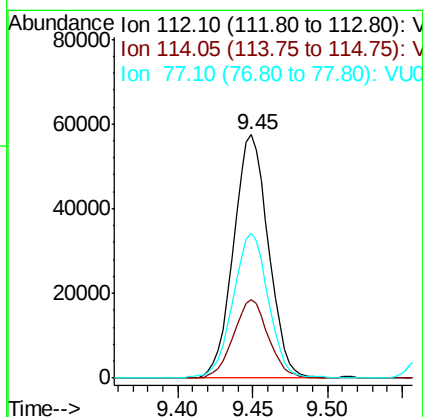
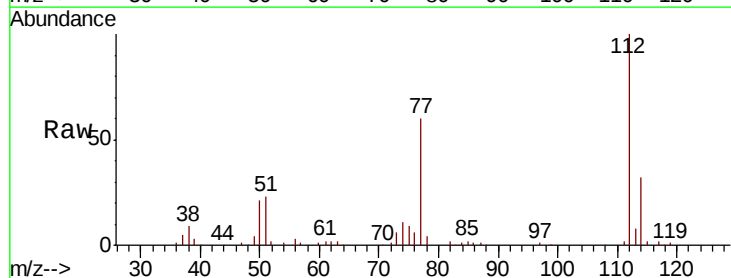
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV01

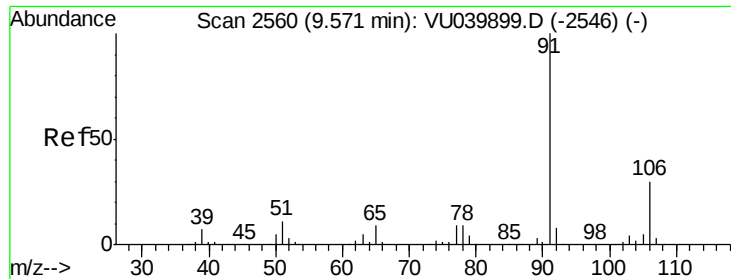
Tot Ion:107 Resp: 25961
 Ion Ratio Lower Upper
 107 100
 109 96.1 68.3 126.9
 188 4.4 2.2 3.4#



#51
 Chlorobenzene
 Concen: 5.026 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU039902.D
 Acq: 19 Aug 2020 11:55

Tgt Ion:112 Resp: 93273
 Ion Ratio Lower Upper
 112 100
 114 32.4 21.8 40.4
 77 59.6 45.4 68.0





#52

Ethylbenzene

Concen: 5.109 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU039902.D

Acq: 19 Aug 2020 11:55

Instrument :

MSVOA_U

ClientSampleId :

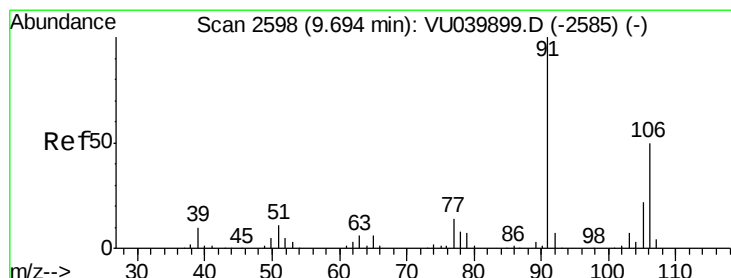
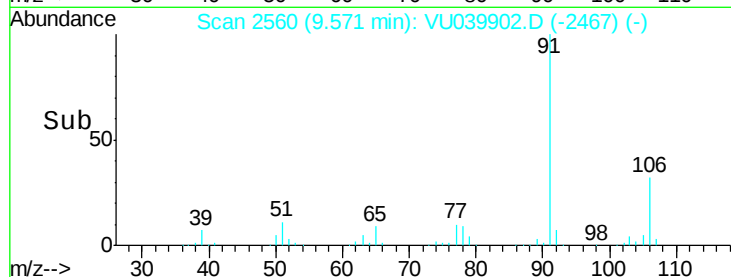
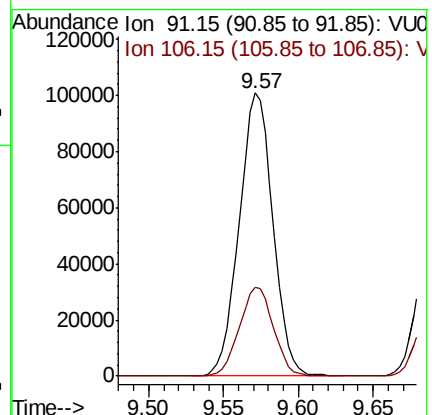
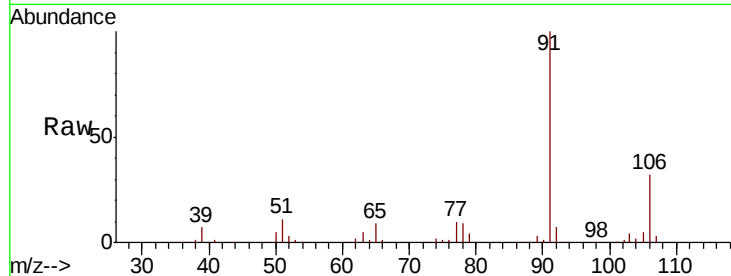
VICV01

Tot Ion: 91 Resp: 157953

Ion Ratio Lower Upper

91 100

106 31.5 21.2 39.4



#53

m,p-Xylene

Concen: 5.315 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU039902.D

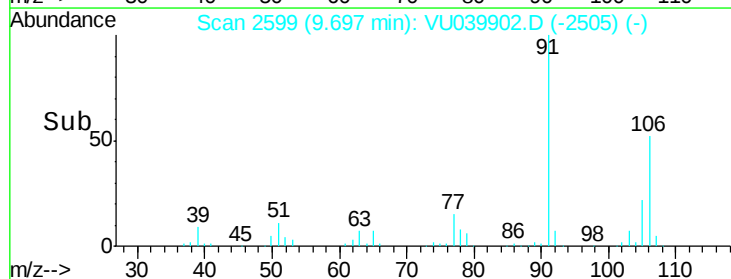
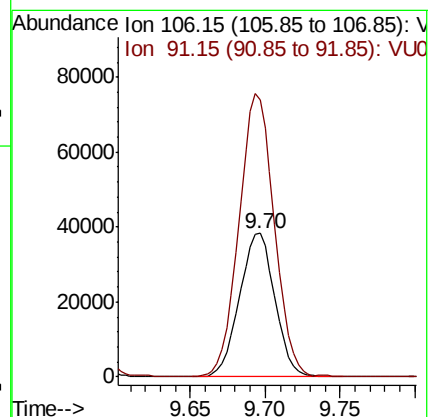
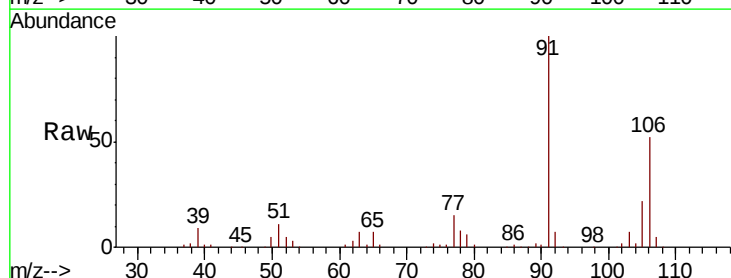
Acq: 19 Aug 2020 11:55

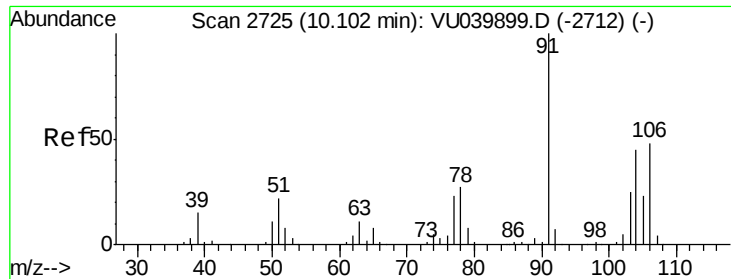
Tgt Ion: 106 Resp: 63068

Ion Ratio Lower Upper

106 100

91 192.8 139.8 259.6

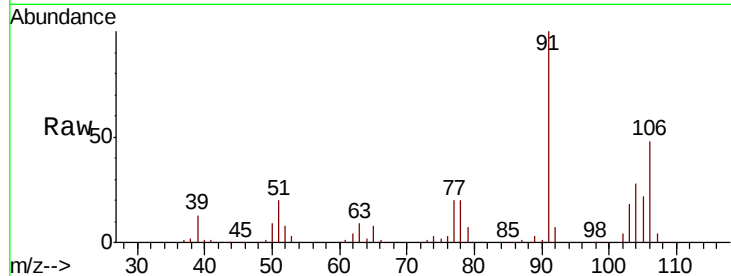




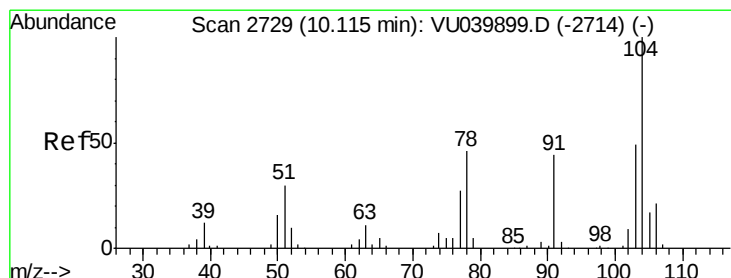
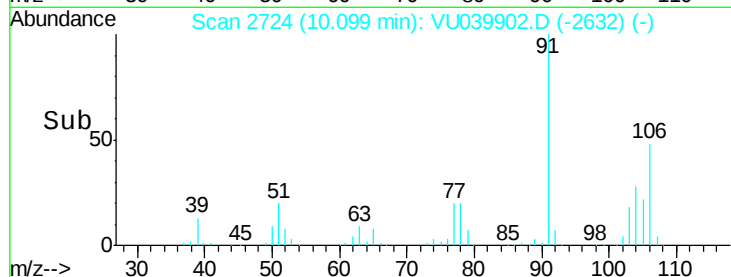
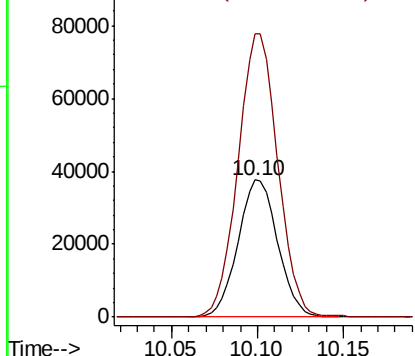
#54
o-Xylene
Concen: 5.362 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU039902.D
Acq: 19 Aug 2020 11:55

Instrument :
MSVOA_U
ClientSampled :
VICV01

Tot Ion:106 Resp: 60145
Ion Ratio Lower Upper
106 100
91 206.2 144.6 268.6

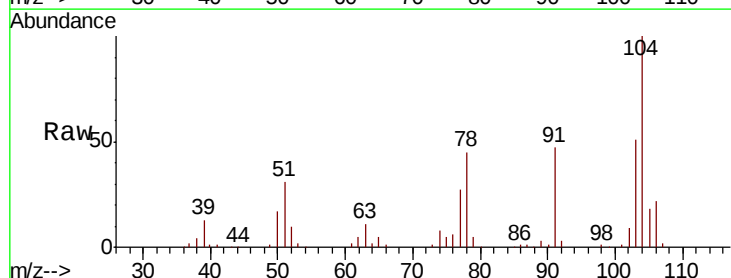


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

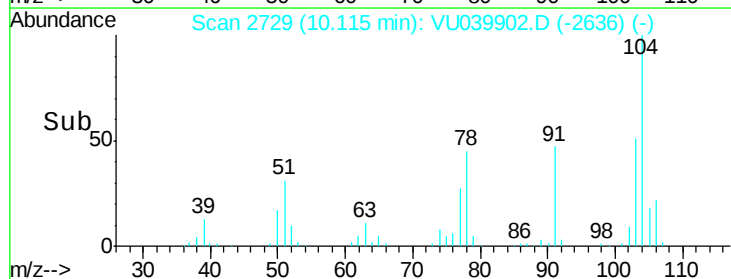
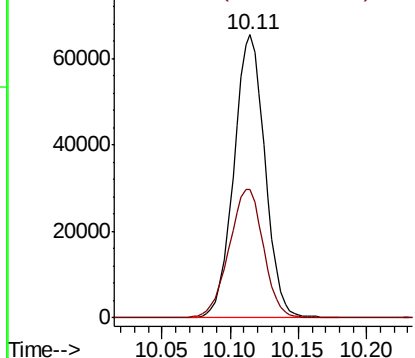


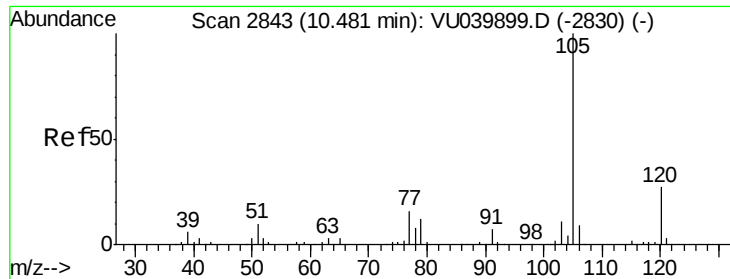
#55
Styrene
Concen: 5.323 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU039902.D
Acq: 19 Aug 2020 11:55

Tgt Ion:104 Resp: 103493
Ion Ratio Lower Upper
104 100
78 45.4 32.3 59.9



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.184 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039902.D

Acq: 19 Aug 2020 11:55

Instrument :

MSVOA_U

ClientSampleId :

VICV01

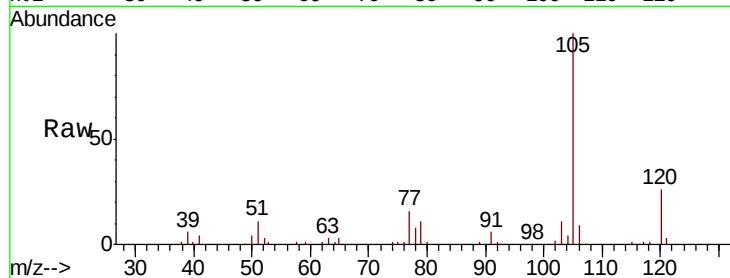
Tot Ion:105 Resp: 155853

Ion Ratio Lower Upper

105 100

120 26.4 21.5 32.3

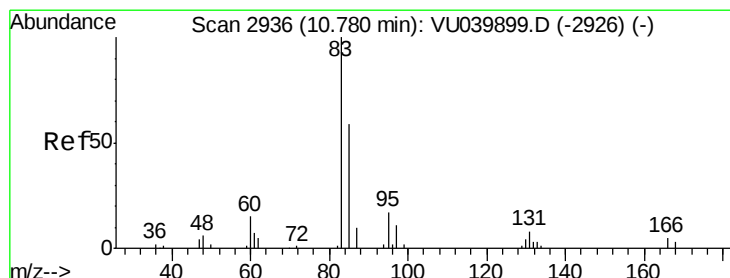
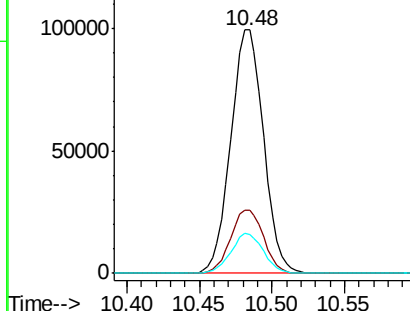
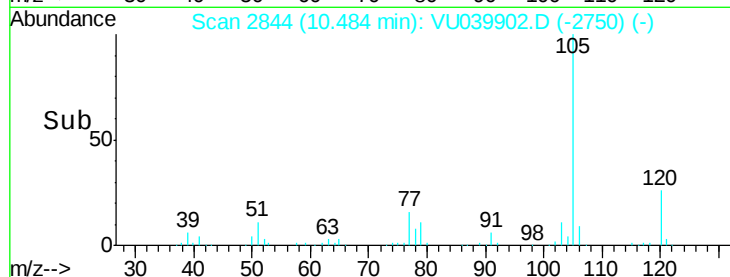
77 16.3 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.813 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU039902.D

Acq: 19 Aug 2020 11:55

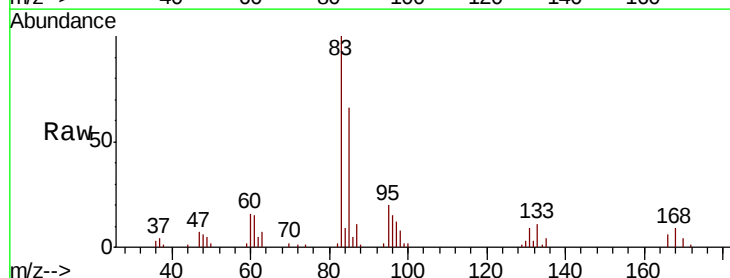
Tgt Ion: 83 Resp: 34874

Ion Ratio Lower Upper

83 100

85 66.0 42.8 79.6

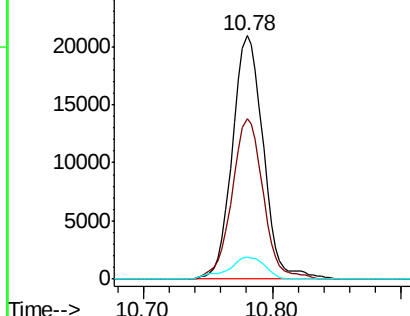
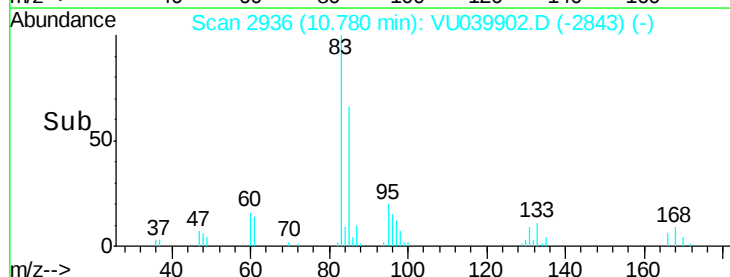
131 8.9 7.4 11.2

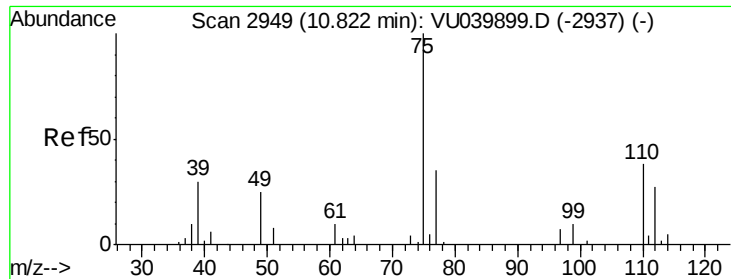


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.926 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU039902.D

Acq: 19 Aug 2020 11:55

Instrument :

MSVOA_U

ClientSampleId :

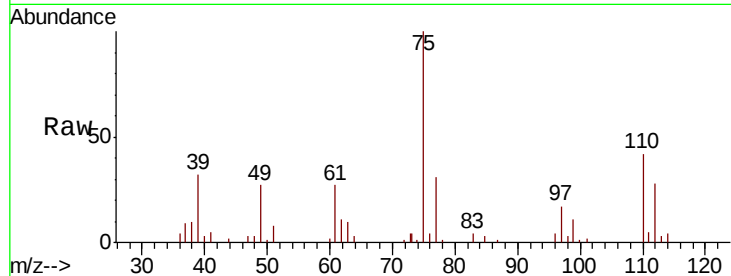
VICV01

Tot Ion: 75 Resp: 26066

Ion Ratio Lower Upper

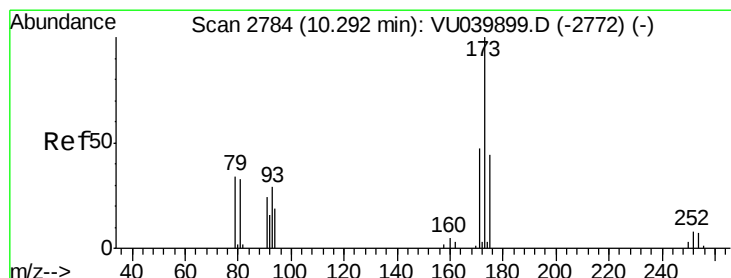
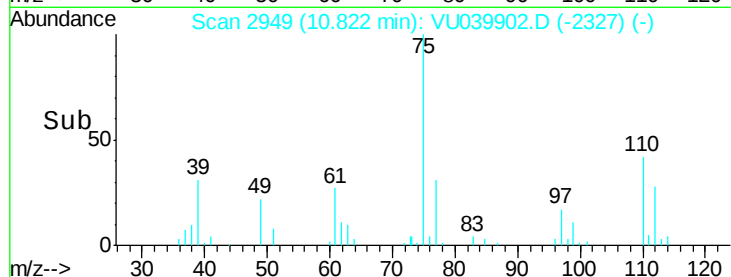
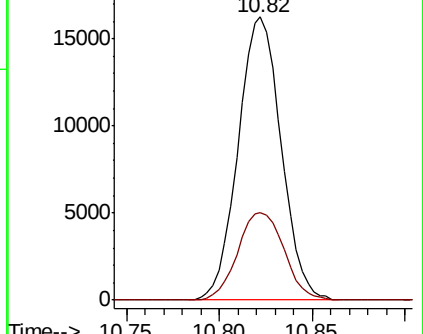
75 100

77 33.5 27.4 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU039899.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU039899.D (-2937) (-)



#61

Bromoform

Concen: 5.296 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU039902.D

Acq: 19 Aug 2020 11:55

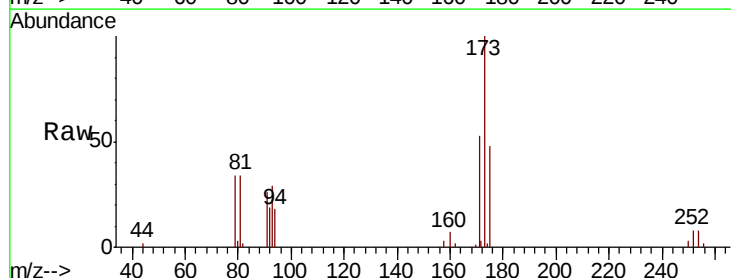
Tgt Ion: 173 Resp: 19284

Ion Ratio Lower Upper

173 100

175 47.5 37.6 56.4

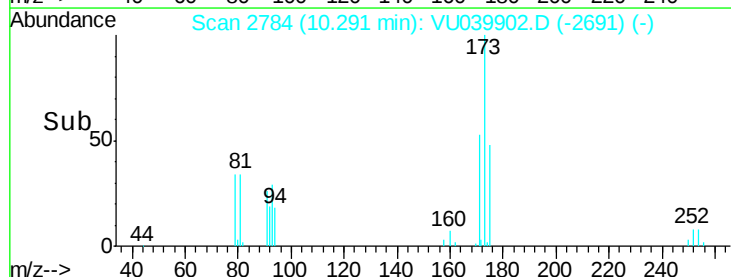
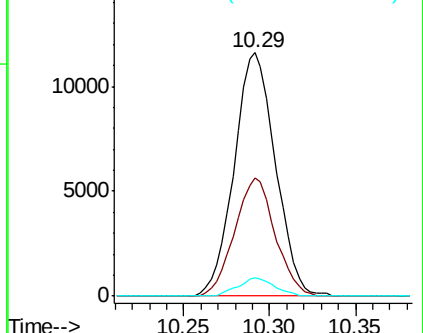
254 6.4 5.8 8.8

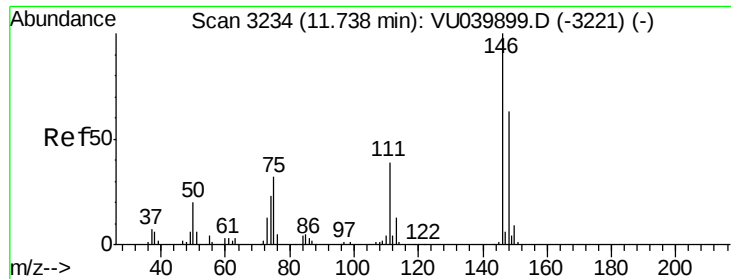


Abundance Ion 172.90 (172.60 to 173.60): VU039899.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU039899.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU039899.D (-2772) (-)





#62

1,3-Dichlorobenzene

Concen: 5.122 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU039902.D

Acq: 19 Aug 2020 11:55

Instrument :

MSVOA_U

ClientSampleId :

VICV01

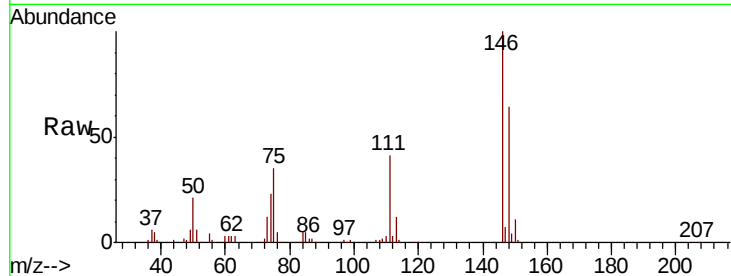
Tot Ion:146 Resp: 78411

Ion Ratio Lower Upper

146 100

111 41.1 27.6 51.4

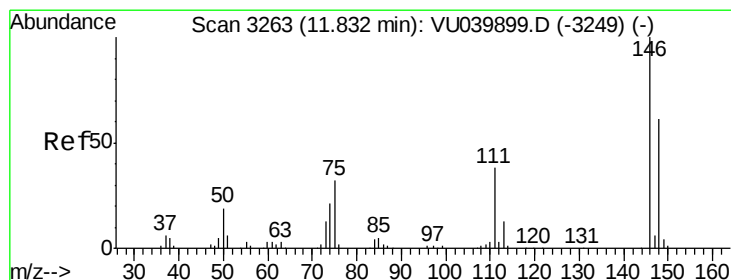
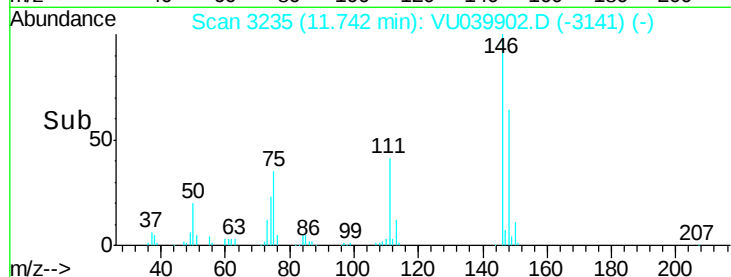
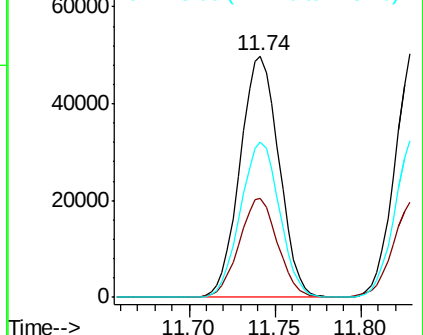
148 64.3 43.8 81.4



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



#63

1,4-Dichlorobenzene

Concen: 5.105 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU039902.D

Acq: 19 Aug 2020 11:55

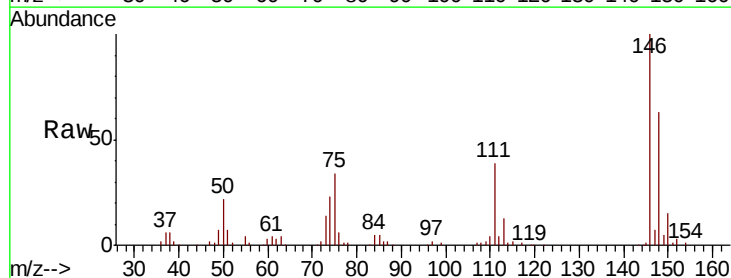
Tgt Ion:146 Resp: 79572

Ion Ratio Lower Upper

146 100

111 38.7 26.5 49.1

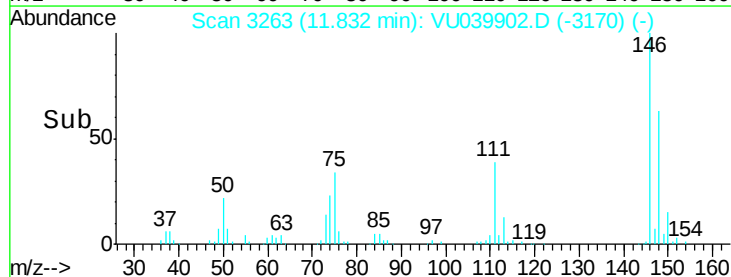
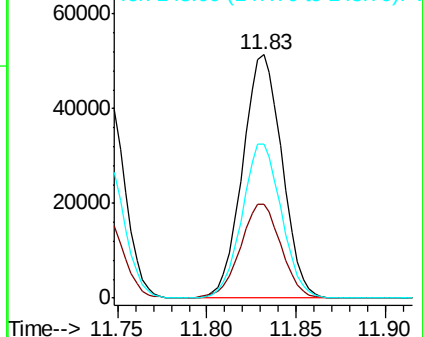
148 63.4 42.8 79.4

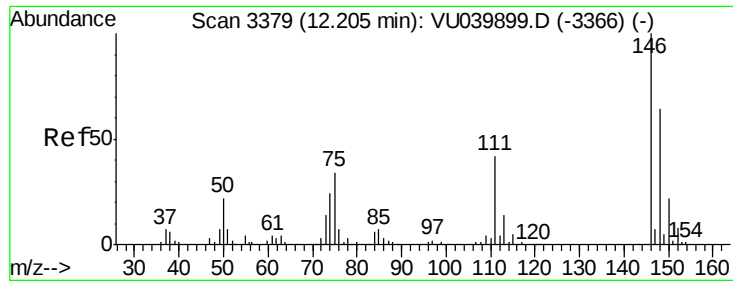


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.144 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU039902.D

Acq: 19 Aug 2020 11:55

Instrument :

MSVOA_U

ClientSampleId :

VICV01

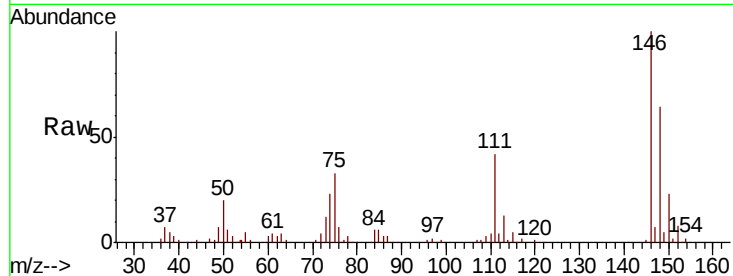
Tot Ion:146 Resp: 75989

Ion Ratio Lower Upper

146 100

111 42.5 33.4 50.0

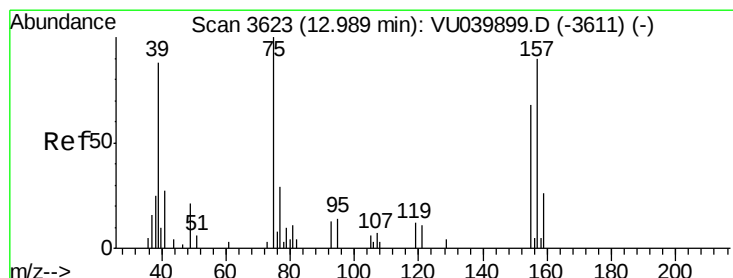
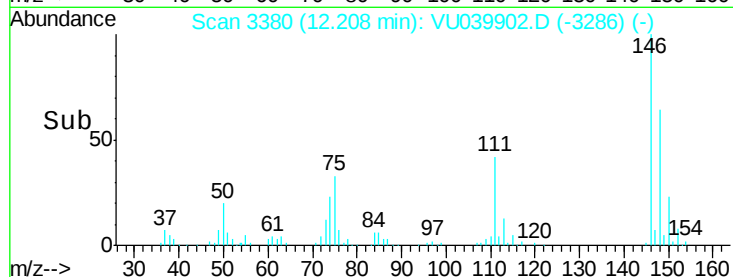
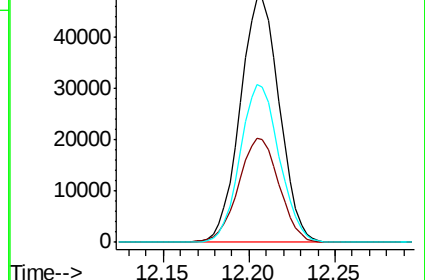
148 63.9 51.4 77.0



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: 4.815 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU039902.D

Acq: 19 Aug 2020 11:55

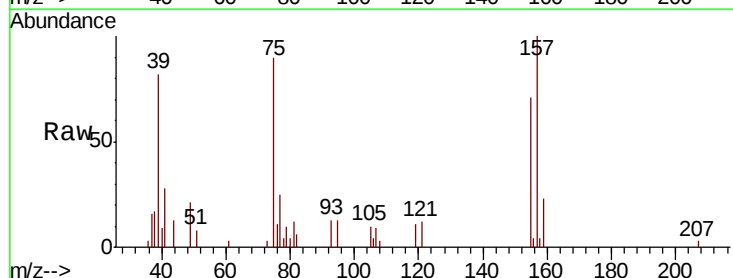
Tgt Ion: 75 Resp: 5817

Ion Ratio Lower Upper

75 100

155 79.2 54.6 82.0

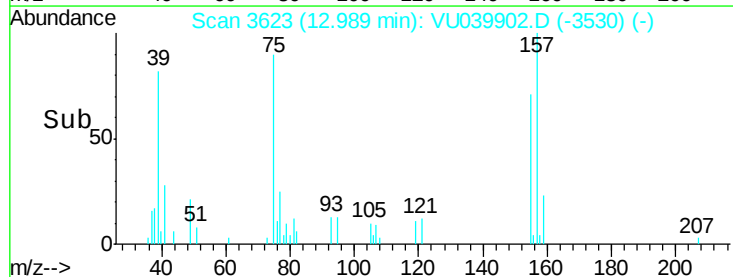
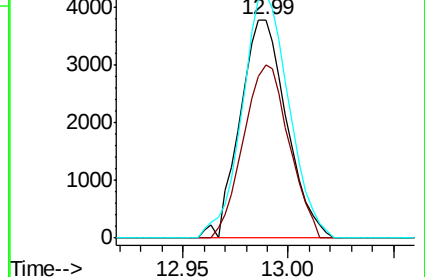
157 111.5 72.2 108.4#

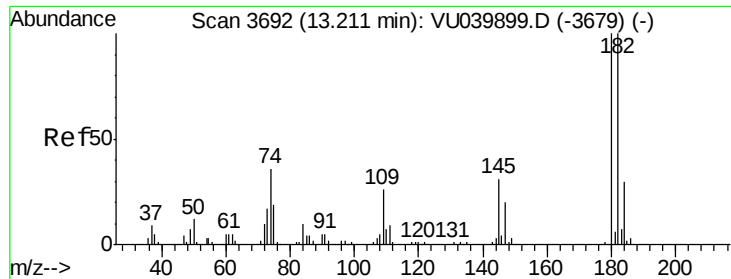


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

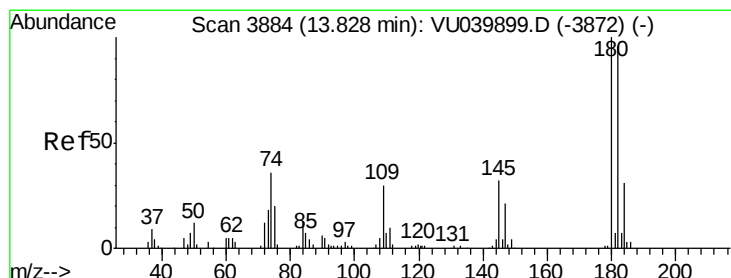
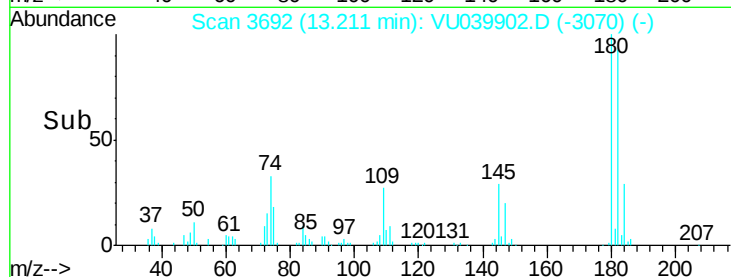
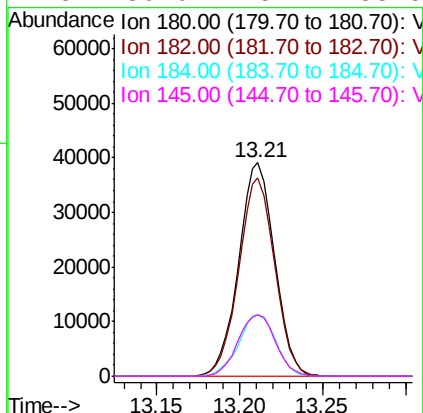
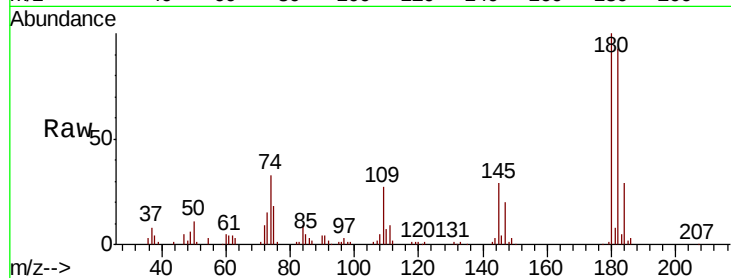




#67
 1,3,5-Trichlorobenzene
 Concen: 5.181 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU039902.D
 Acq: 19 Aug 2020 11:55

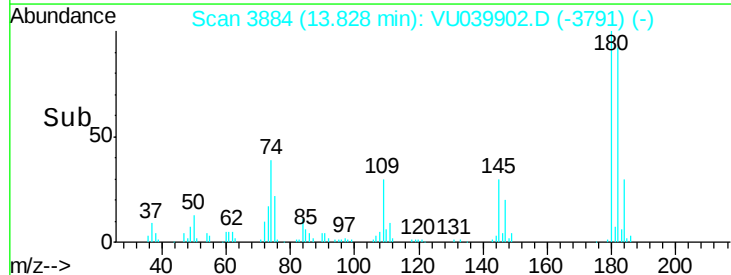
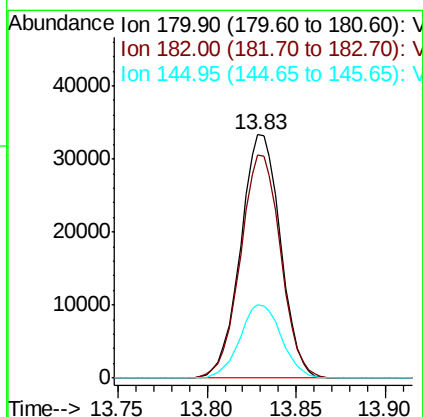
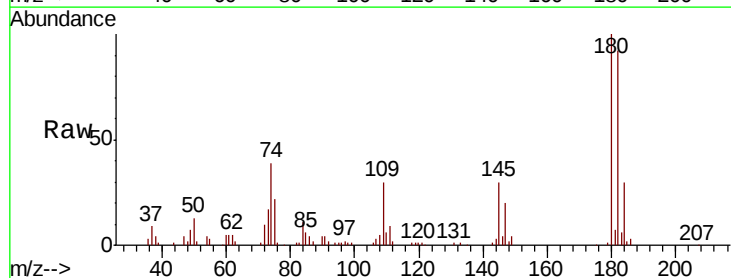
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV01

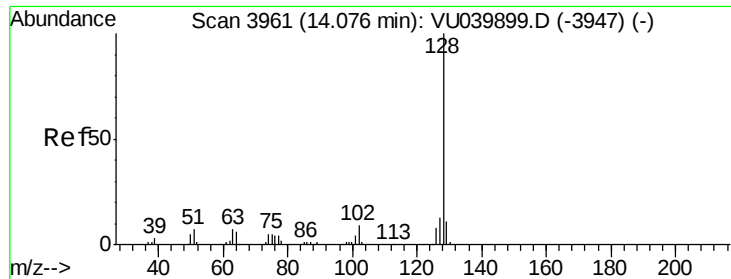
Tot Ion:180	Resp:	58901
Ion	Ratio	Lower Upper
180	100	
182	92.9	79.2 118.8
184	29.9	24.6 36.8
145	30.0	25.7 38.5



#68
 1,2,4-trichlorobenzene
 Concen: 5.357 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU039902.D
 Acq: 19 Aug 2020 11:55

Tgt Ion:180	Resp:	51953
Ion	Ratio	Lower Upper
180	100	
182	92.4	75.2 112.8
145	31.3	24.6 36.8





#69

Naphthalene

Concen: 5.303 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU039902.D

Acq: 19 Aug 2020 11:55

Instrument :

MSVOA_U

ClientSampleId :

VICV01

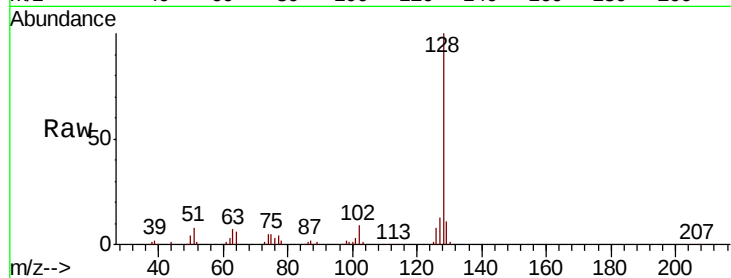
Tot Ion:128 Resp: 95004

Ion Ratio Lower Upper

128 100

129 11.0 8.5 12.7

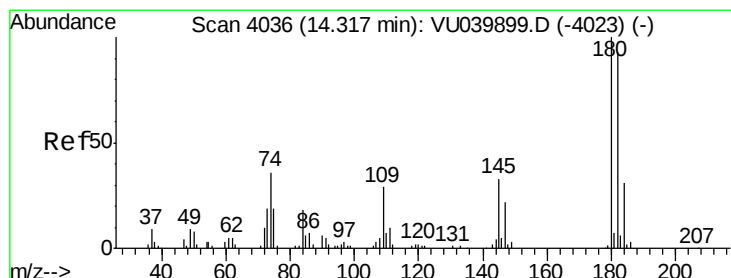
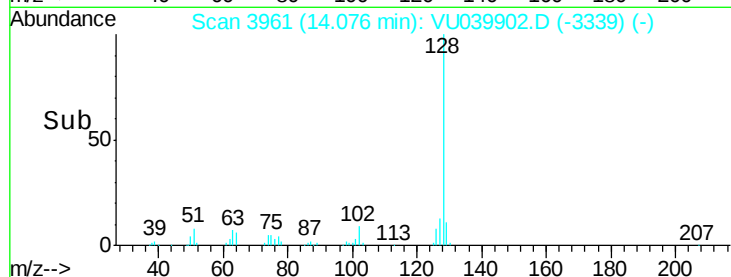
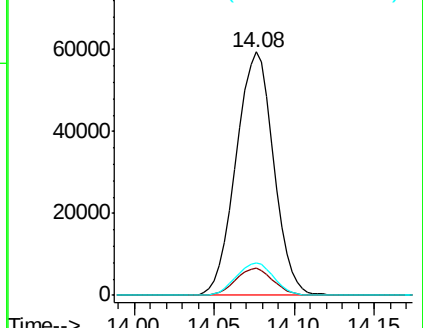
127 13.4 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.379 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU039902.D

Acq: 19 Aug 2020 11:55

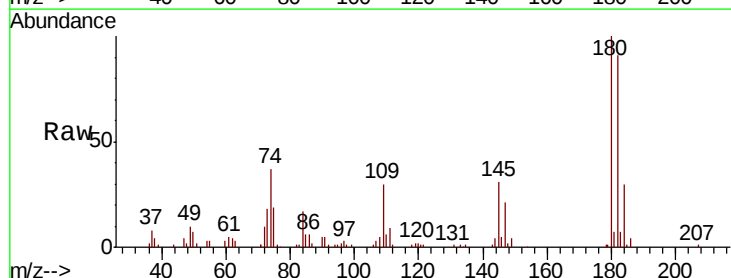
Tgt Ion:180 Resp: 48749

Ion Ratio Lower Upper

180 100

182 91.6 75.0 112.6

145 32.2 26.4 39.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

