

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120420\
 Data File : VU041465.D
 Acq On : 04 Dec 2020 11:47
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV05

Quant Time: Dec 05 05:25:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Dec 05 05:22:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	58497	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	57680	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	33111	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	15427	5.14	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.80%
7) Chloroethane-d5	1.92	69	13533	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.60%
11) 1,1-Dichloroethene-d2	2.58	63	38085	5.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.60%
20) 2-Butanone-d5	4.65	46	62077	55.10	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.20%
24) Chloroform-d	5.08	84	42712	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
26) 1,2-Dichloroethane-d4	5.72	65	28295	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
32) Benzene-d6	5.74	84	64370	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
36) 1,2-Dichloropropane-d6	6.70	67	18312	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.40%
41) Toluene-d8	7.90	98	64445	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
43) trans-1,3-Dichloropropene-	8.18	79	12113	5.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	108.80%
46) 2-Hexanone-d5	8.64	63	45294	48.89	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.78%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	20993	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	28081	4.96	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	27391	5.289	ug/L 99
3) Chloromethane	1.53	50	18627	5.564	ug/L 96
5) Vinyl chloride	1.61	62	21012	5.265	ug/L 99
6) Bromomethane	1.86	94	15457	5.602	ug/L 89
8) Chloroethane	1.94	64	13092	5.042	ug/L 99
9) Trichlorofluoromethane	2.15	101	46730	5.255	ug/L 96
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	20967	5.261	ug/L 98
12) 1,1-Dichloroethene	2.59	96	17847	5.212	ug/L 89
13) Acetone	2.66	43	41698	47.538	ug/L 98
14) Carbon disulfide	2.81	76	53485	5.067	ug/L 98
15) Methyl Acetate	2.97	43	7440	4.635	ug/L 94
16) Methylene chloride	3.06	84	20565	4.499	ug/L 88
17) Methyl tert-butyl Ether	3.38	73	55239	5.316	ug/L 98
18) trans-1,2-Dichloroethene	3.37	96	19069	5.513	ug/L 94
19) 1,1-Dichloroethane	3.89	63	34226	5.356	ug/L 96
21) 2-Butanone	4.73	43	63645	57.988	ug/L 93
22) cis-1,2-Dichloroethene	4.68	96	20675	5.391	ug/L 93

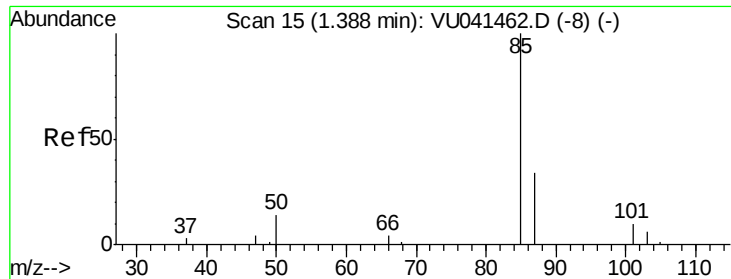
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120420\
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 QLast Update : Sat Dec 05 05:22:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	10423	5.200	ug/L	90
25) Chloroform	5.10	83	42240	5.189	ug/L	98
27) 1,2-Dichloroethane	5.81	62	34280	5.388	ug/L	100
29) 1,1,1-Trichloroethane	5.33	97	41117	4.974	ug/L	97
30) Cyclohexane	5.40	56	29271	5.632	ug/L	95
31) Carbon tetrachloride	5.54	117	38658	5.050	ug/L	100
33) Benzene	5.79	78	76263	5.341	ug/L	100
34) Trichloroethene	6.55	95	21841	5.069	ug/L	96
35) Methylcyclohexane	6.77	83	31979	5.440	ug/L	98
37) 1,2-Dichloropropane	6.80	63	17747	5.304	ug/L	99
38) Bromodichloromethane	7.11	83	32383	5.298	ug/L	95
39) cis-1,3-Dichloropropene	7.61	75	31605	5.229	ug/L	92
40) 4-Methyl-2-pentanone	7.80	43	139073	51.883	ug/L	99
42) Toluene	7.97	91	86374	5.375	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	32496	5.383	ug/L	99
45) 1,1,2-Trichloroethane	8.40	97	16309	5.055	ug/L	98
47) Tetrachloroethene	8.56	164	18677	5.488	ug/L	96
48) 2-Hexanone	8.69	43	104369	48.455	ug/L	97
49) Dibromochloromethane	8.81	129	23525	5.352	ug/L	92
50) 1,2-Dibromoethane	8.93	107	17123	5.261	ug/L	95
51) Chlorobenzene	9.45	112	55094	5.145	ug/L	99
52) Ethylbenzene	9.57	91	97047	5.271	ug/L	98
53) m,p-Xylene	9.69	106	35353	5.289	ug/L	97
54) o-Xylene	10.10	106	33742	5.207	ug/L	97
55) Styrene	10.11	104	61499	5.588	ug/L	96
56) Isopropylbenzene	10.48	105	97784	5.345	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	19359	4.884	ug/L	96
59) 1,2,3-Trichloropropane	10.82	75	16428	5.061	ug/L	100
61) Bromoform	10.29	173	13961	5.018	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	49315	5.285	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	49109	5.133	ug/L	97
65) 1,2-Dichlorobenzene	12.20	146	46413	5.024	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	4808	5.313	ug/L	98
67) 1,3,5-Trichlorobenzene	13.21	180	38403	5.151	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	33671	5.642	ug/L	96
69) Naphthalene	14.08	128	57075	6.086	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	29892	5.659	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.289 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU041465.D

Acq: 04 Dec 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

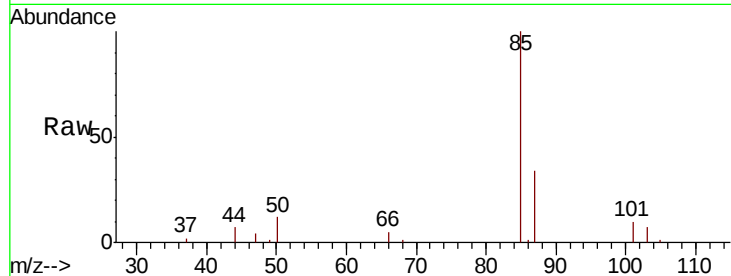
VICV05

Tot Ion: 85 Resp: 27391

Ion Ratio Lower Upper

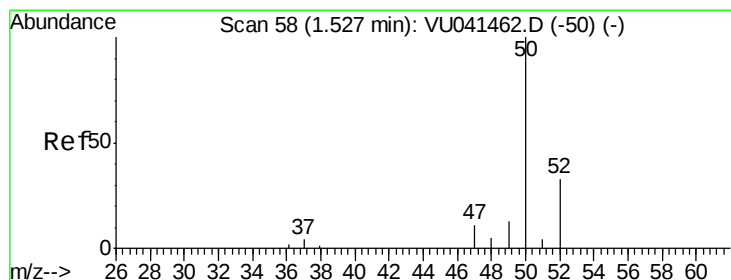
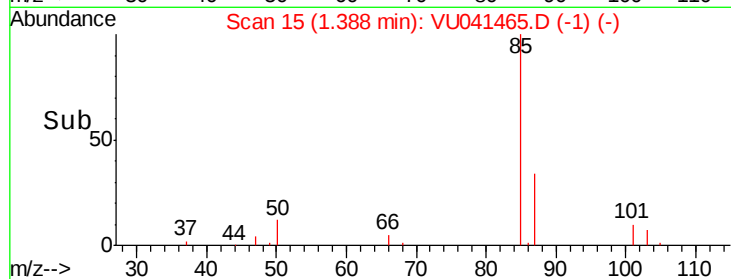
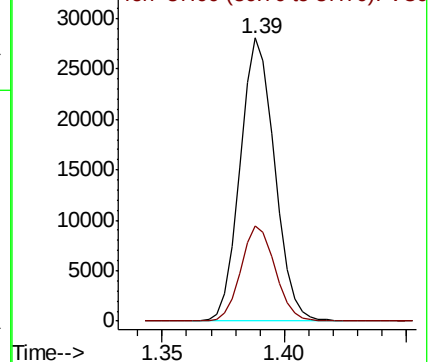
85 100

87 33.3 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 5.564 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041465.D

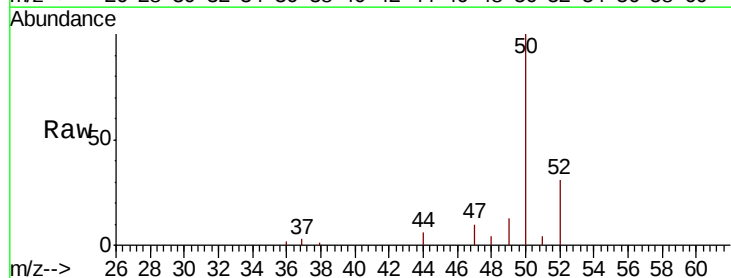
Acq: 04 Dec 2020 11:47

Tgt Ion: 50 Resp: 18627

Ion Ratio Lower Upper

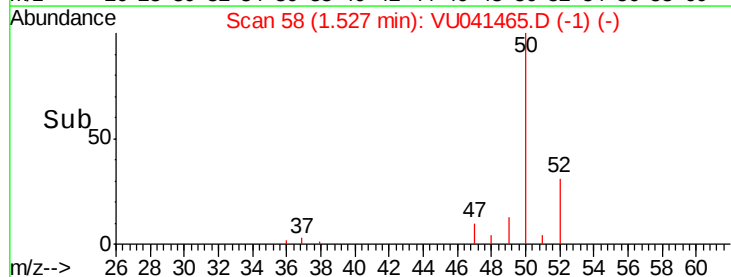
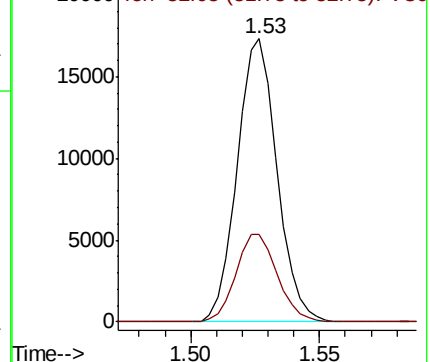
50 100

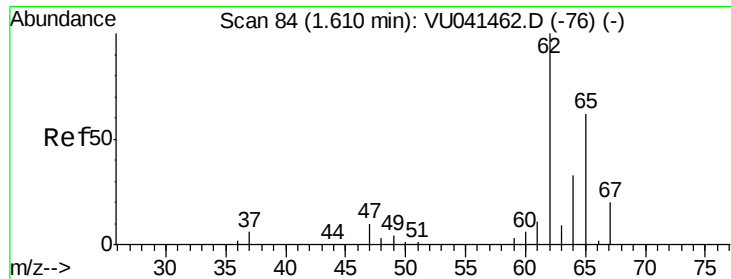
52 31.0 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 5.265 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041465.D

Acq: 04 Dec 2020 11:47

Instrument :

MSVOA_U

ClientSampled :

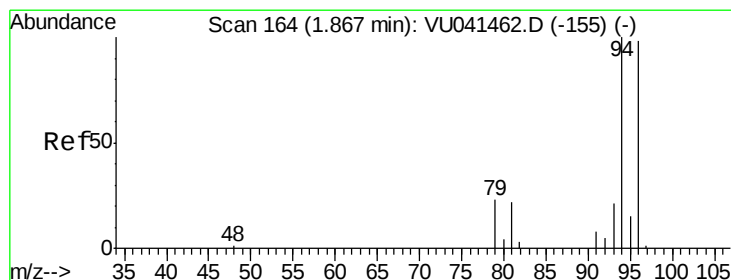
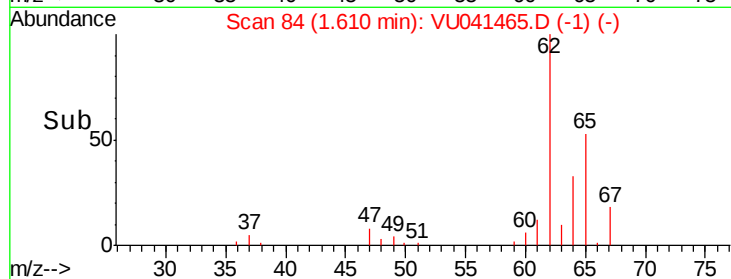
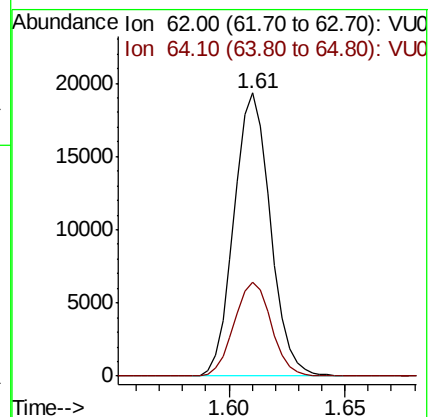
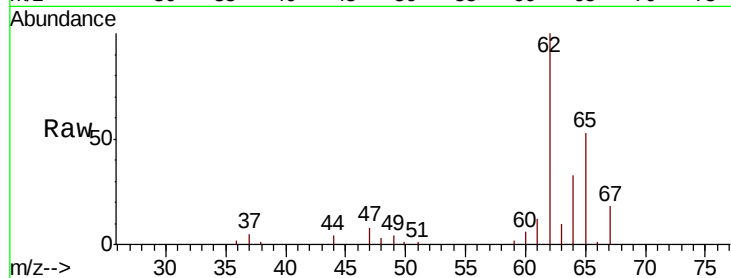
VICV05

Tot Ion: 62 Resp: 21012

Ion Ratio Lower Upper

62 100

64 33.2 23.0 42.8



#6

Bromomethane

Concen: 5.602 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU041465.D

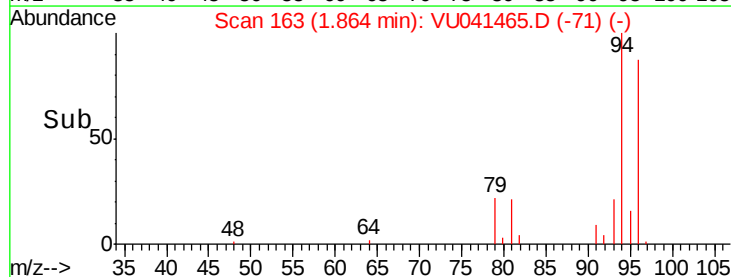
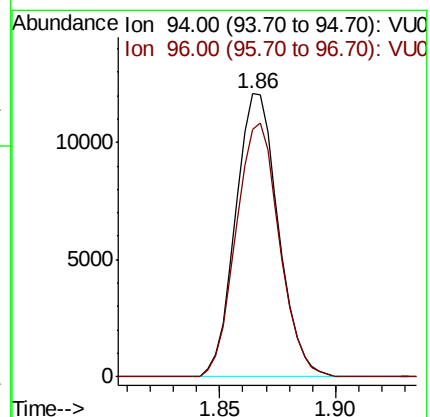
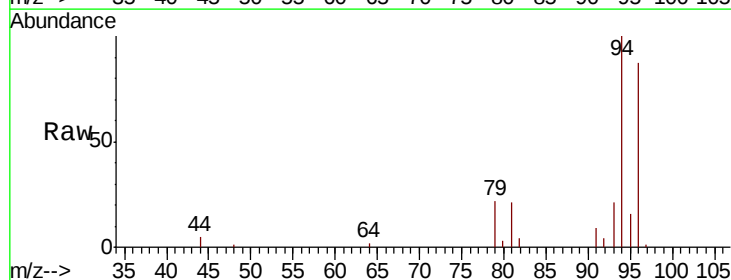
Acq: 04 Dec 2020 11:47

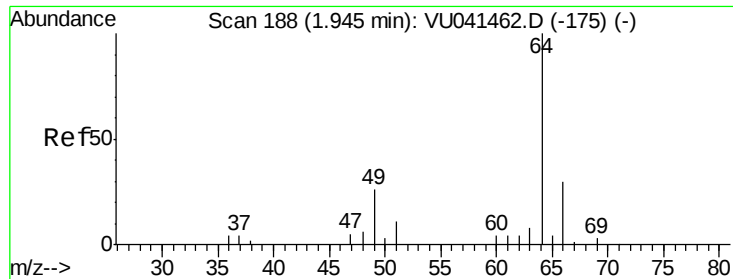
Tgt Ion: 94 Resp: 15457

Ion Ratio Lower Upper

94 100

96 87.4 68.5 127.1





#8

Chloroethane

Concen: 5.042 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU041465.D

Acq: 04 Dec 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

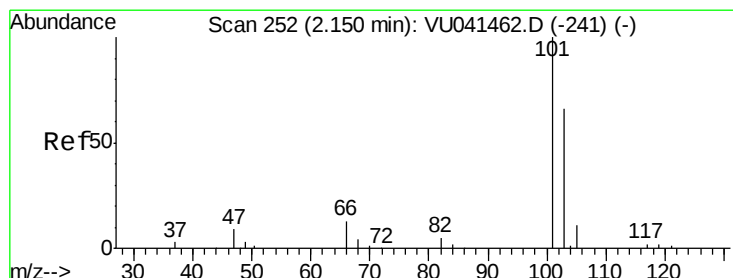
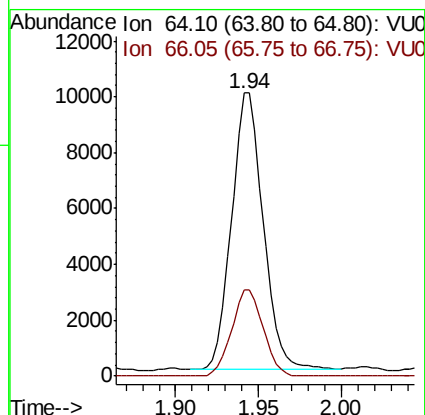
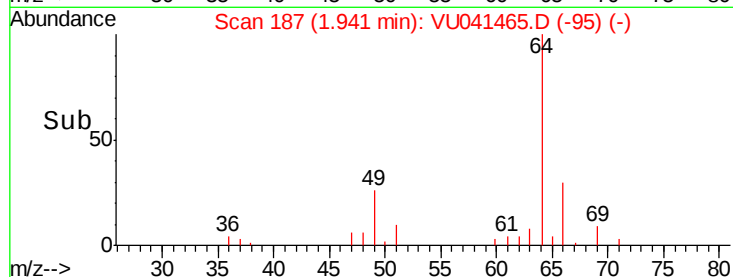
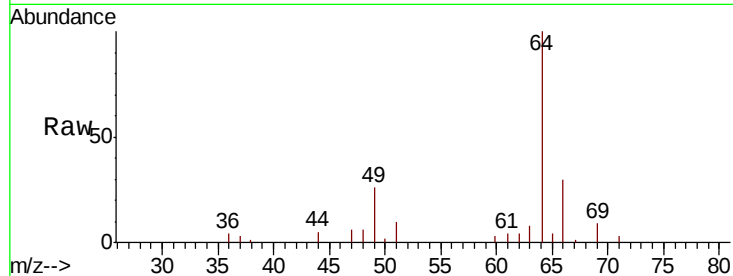
VICV05

Tot Ion: 64 Resp: 13092

Ion Ratio Lower Upper

64 100

66 30.3 20.9 38.9



#9

Trichlorofluoromethane

Concen: 5.255 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU041465.D

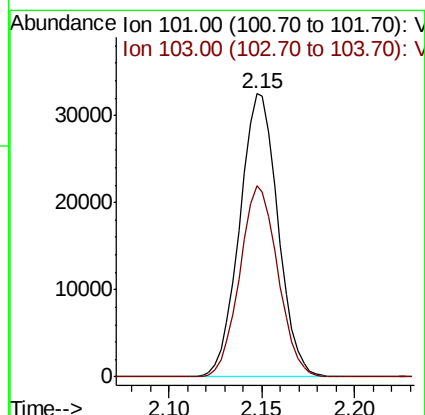
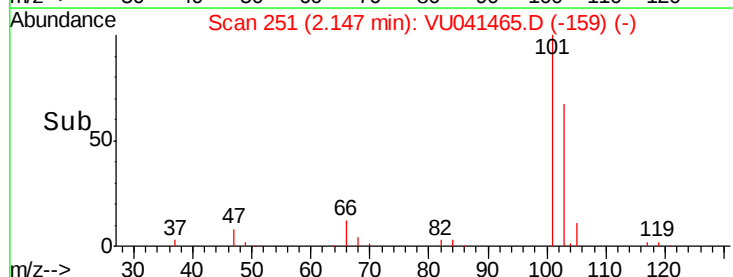
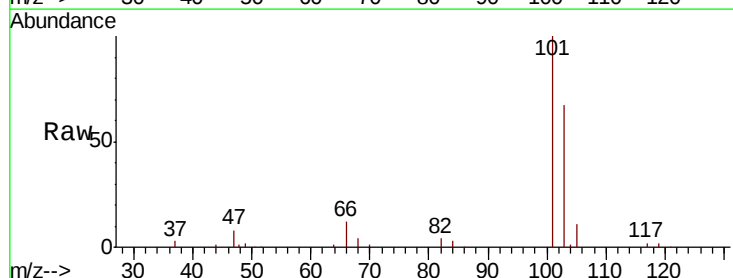
Acq: 04 Dec 2020 11:47

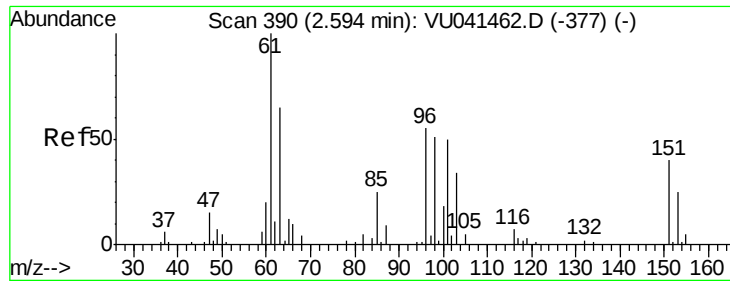
Tgt Ion: 101 Resp: 46730

Ion Ratio Lower Upper

101 100

103 67.0 51.4 77.0





#10

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

Concen: 5.261 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU041465.D

Acq: 04 Dec 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

VICV05

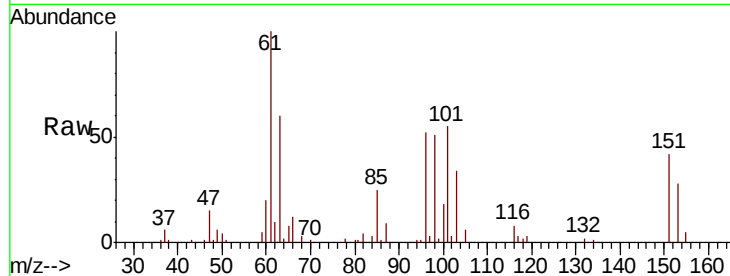
Tot Ion:101 Resp: 20967

Ion Ratio Lower Upper

101 100

85 47.1 39.4 59.2

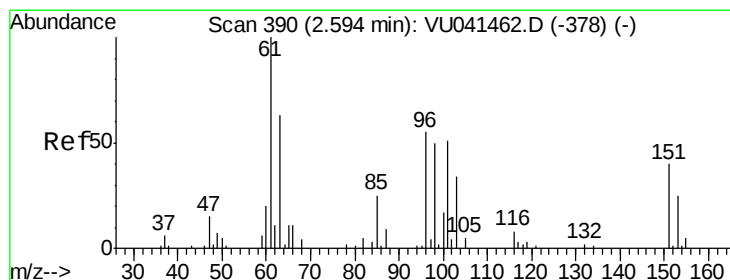
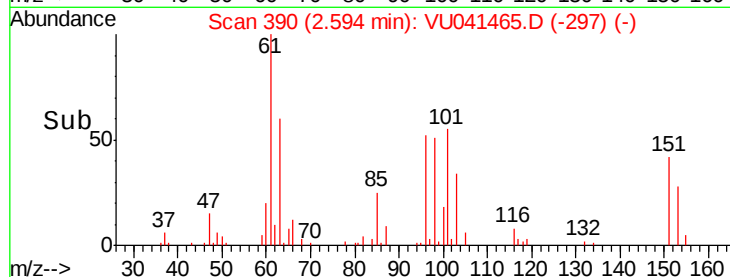
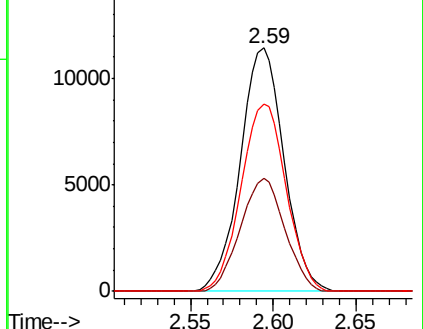
151 79.2 63.8 95.8



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: 5.212 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041465.D

Acq: 04 Dec 2020 11:47

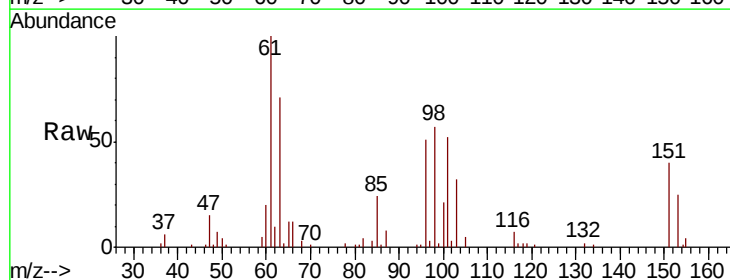
Tgt Ion: 96 Resp: 17847

Ion Ratio Lower Upper

96 100

61 195.8 127.8 237.4

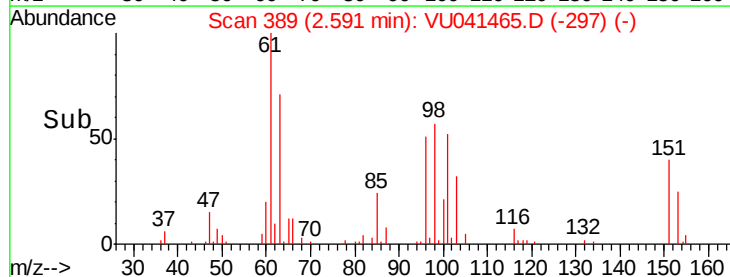
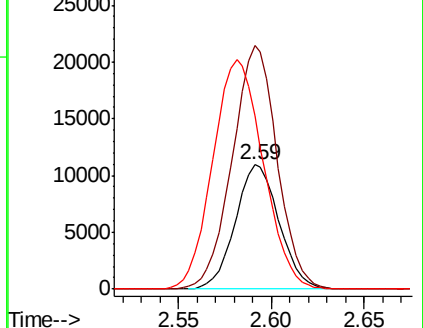
63 139.5 86.2 160.0

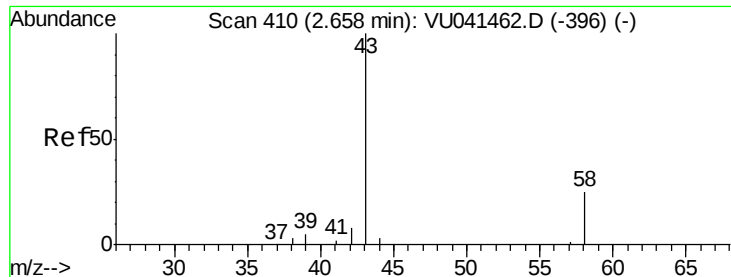


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 47.538 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

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Acq: 04 Dec 2020 11:47

Instrument :

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ClientSampleId :

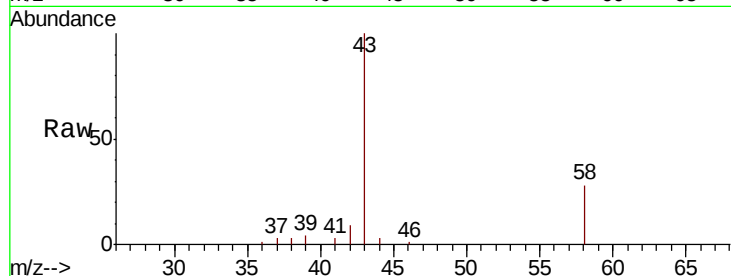
VICV05

Tot Ion: 43 Resp: 41698

Ion Ratio Lower Upper

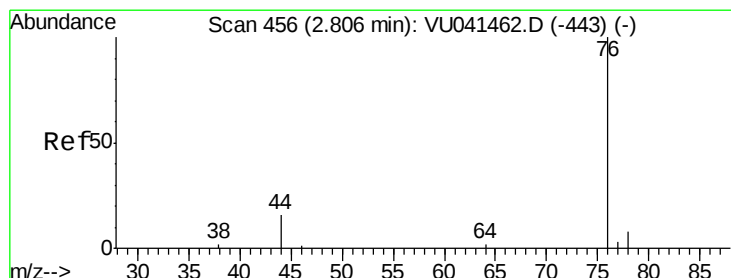
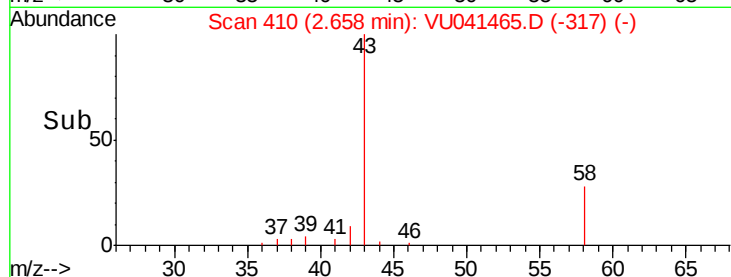
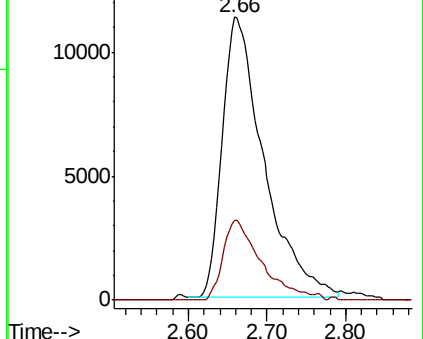
43 100

58 25.9 0.0 50.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 5.067 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU041465.D

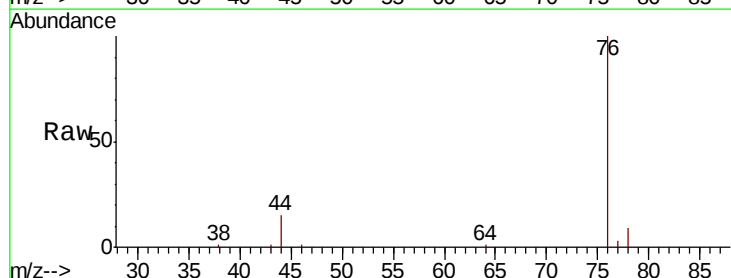
Acq: 04 Dec 2020 11:47

Tgt Ion: 76 Resp: 53485

Ion Ratio Lower Upper

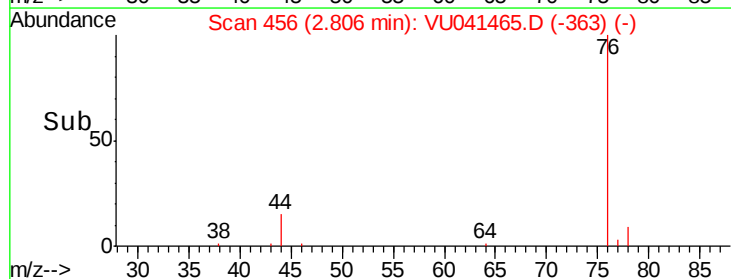
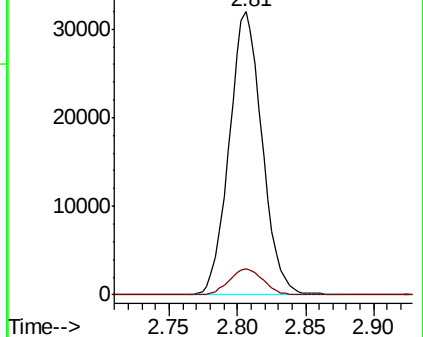
76 100

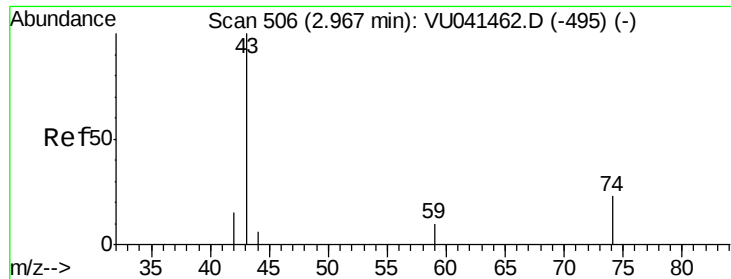
78 9.1 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

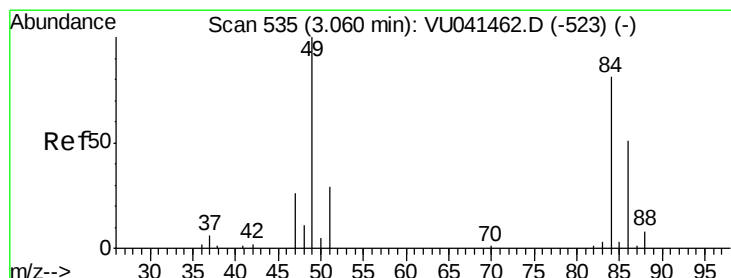
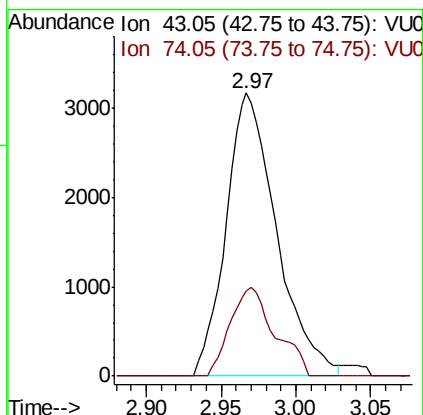
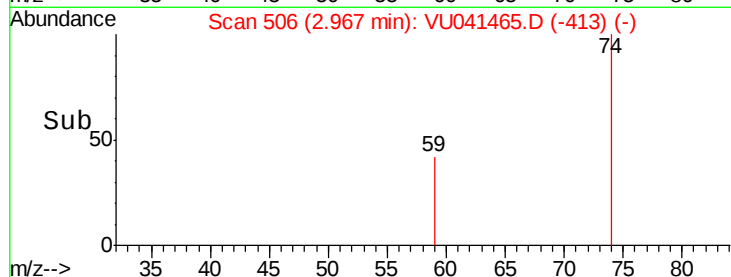
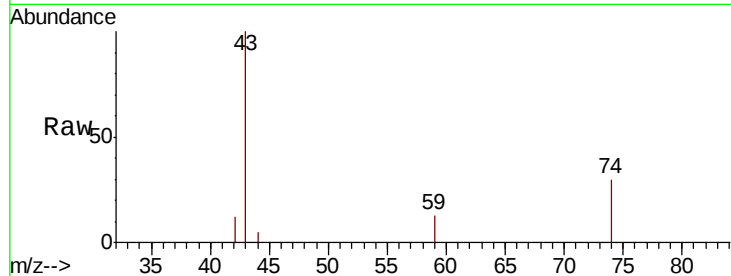




#15
Methvl Acetate
Concen: 4.635 ug/L
RT: 2.97 min Scan# 506
Delta R.T. -0.00 min
Lab File: VU041465.D
Acq: 04 Dec 2020 11:47

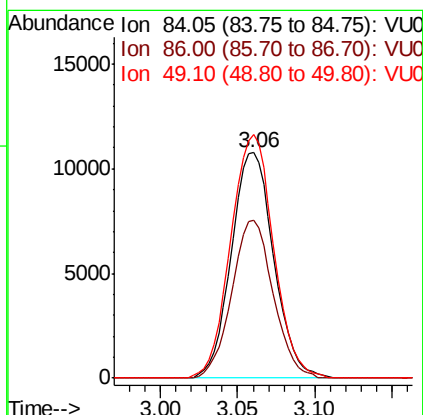
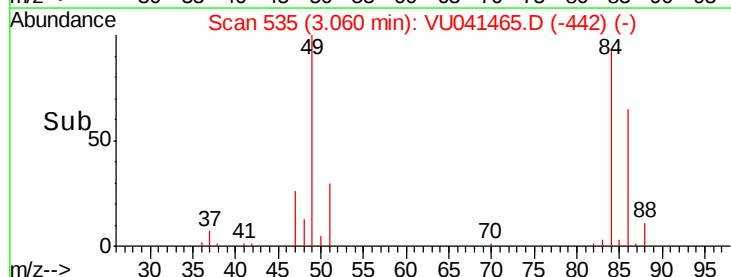
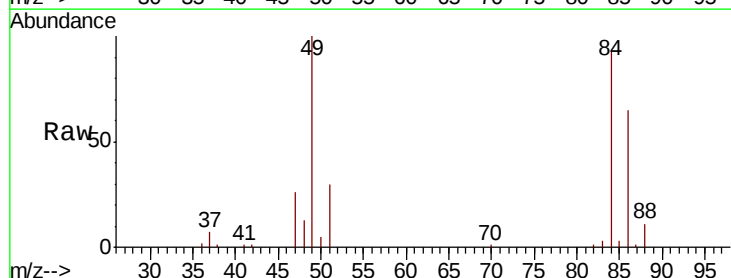
Instrument :
MSVOA_U
ClientSampleId :
VICV05

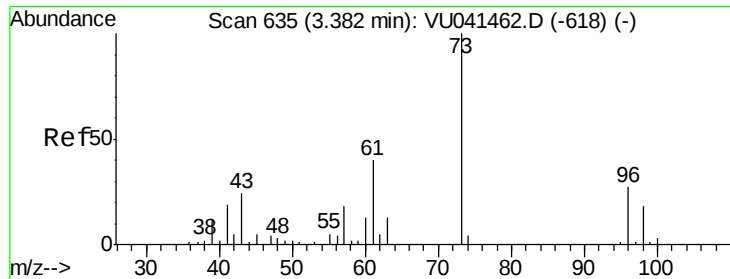
Tot Ion: 43 Resp: 7440
Ion Ratio Lower Upper
43 100
74 27.7 19.7 29.5



#16
Methylene chloride
Concen: 4.499 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU041465.D
Acq: 04 Dec 2020 11:47

Tgt Ion: 84 Resp: 20565
Ion Ratio Lower Upper
84 100
86 70.1 44.1 81.9
49 108.1 86.1 159.9

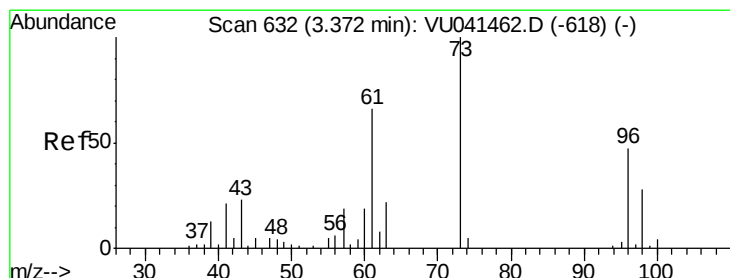
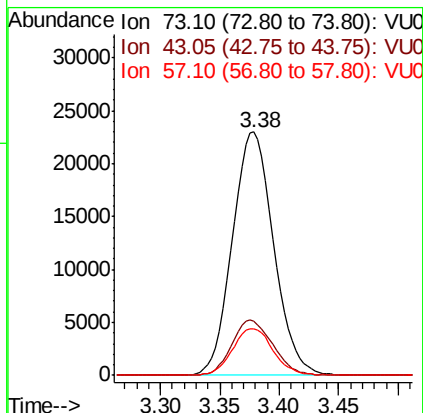
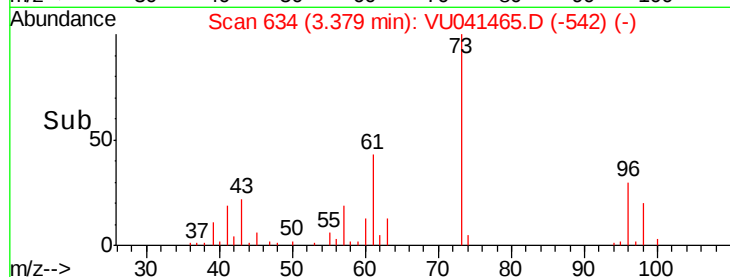
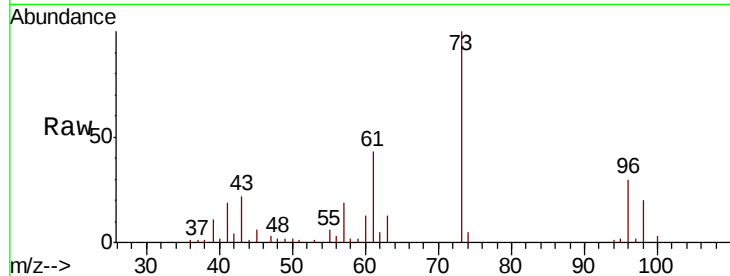




#17
Methvl tert-butvl Ether
Concen: 5.316 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU041465.D
Acq: 04 Dec 2020 11:47

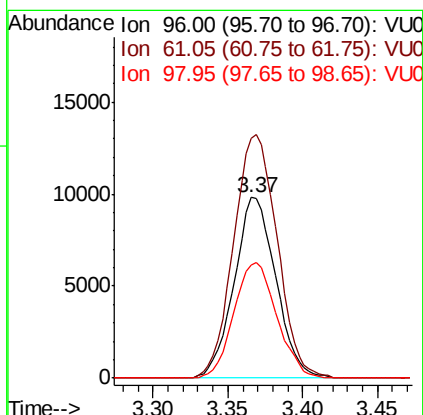
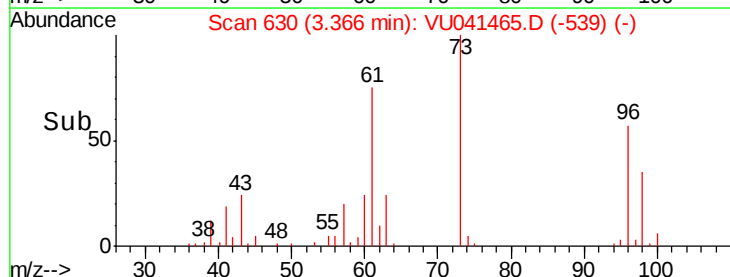
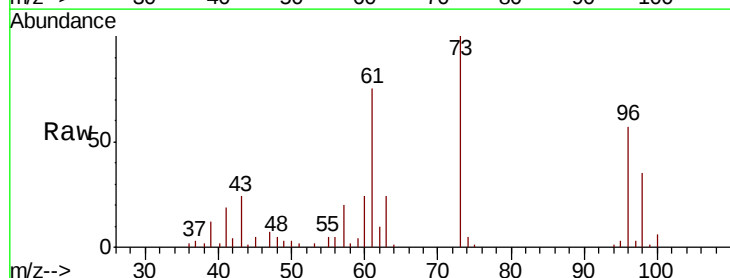
Instrument :
MSVOA_U
ClientSampleId :
VICV05

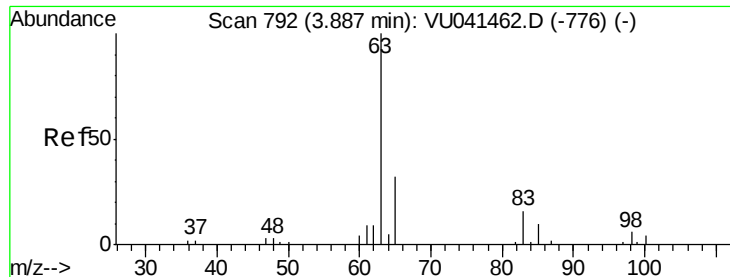
Tot Ion: 73 Resp: 55239
Ion Ratio Lower Upper
73 100
43 22.2 19.1 28.7
57 18.9 15.5 23.3



#18
trans-1,2-Dichloroethene
Concen: 5.513 ug/L
RT: 3.37 min Scan# 630
Delta R.T. -0.01 min
Lab File: VU041465.D
Acq: 04 Dec 2020 11:47

Tgt Ion: 96 Resp: 19069
Ion Ratio Lower Upper
96 100
61 132.9 98.8 183.4
98 62.3 41.7 77.5

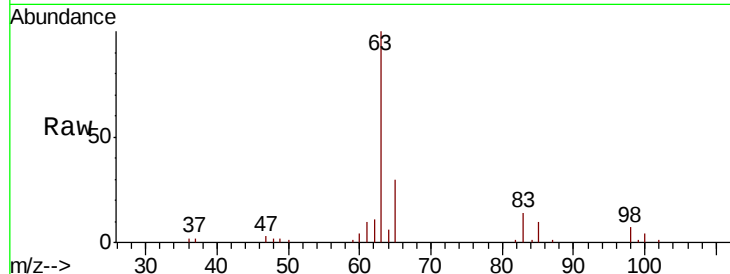




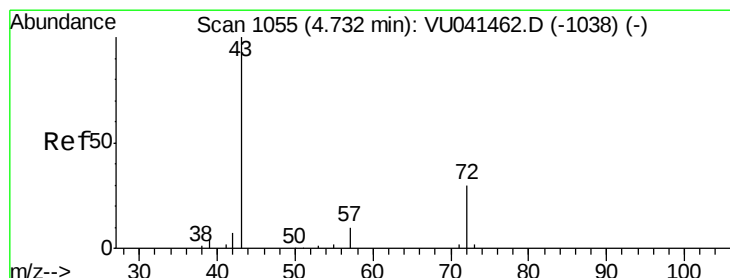
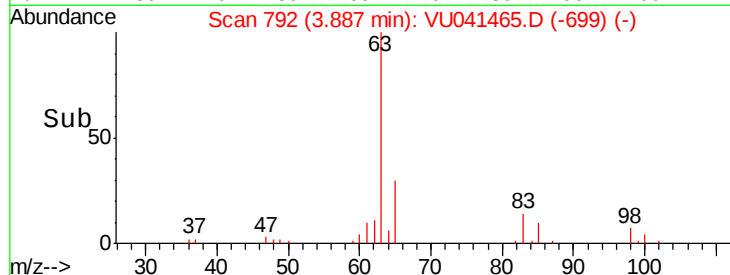
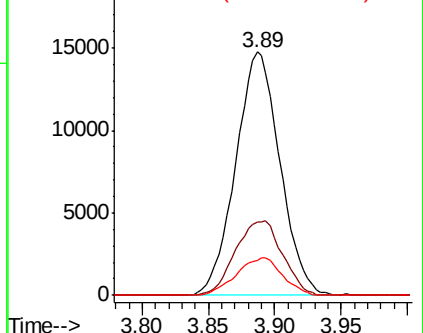
#19
 1,1-Dichloroethane
 Concen: 5.356 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU041465.D
 Acq: 04 Dec 2020 11:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV05

Tot Ion: 63 Resp: 34226
 Ion Ratio Lower Upper
 63 100
 65 29.9 22.3 41.5
 83 14.4 11.1 20.7

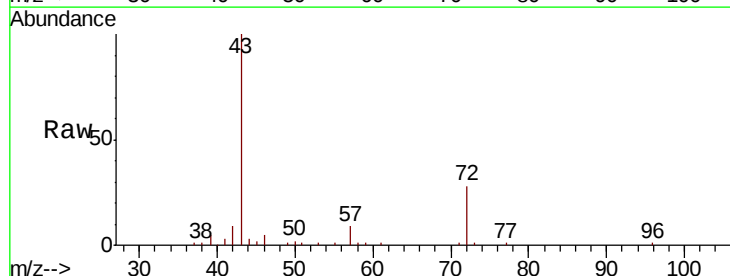


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

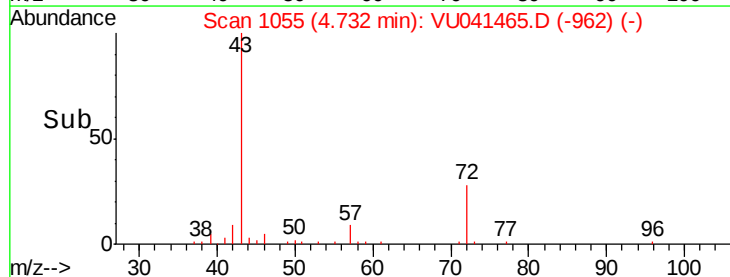
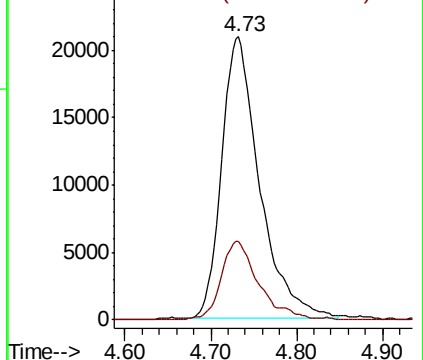


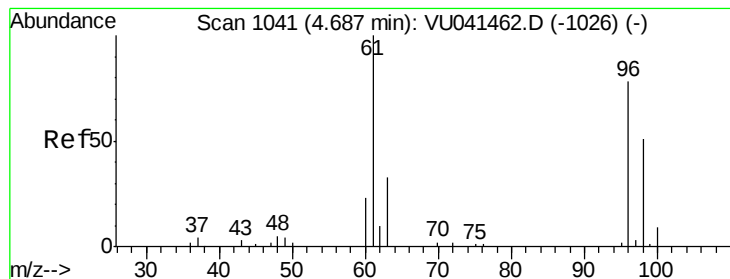
#21
 2-Butanone
 Concen: 57.988 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VU041465.D
 Acq: 04 Dec 2020 11:47

Tgt Ion: 43 Resp: 63645
 Ion Ratio Lower Upper
 43 100
 72 27.8 15.7 47.1



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 5.391 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. -0.01 min

Lab File: VU041465.D

Acq: 04 Dec 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

VICV05

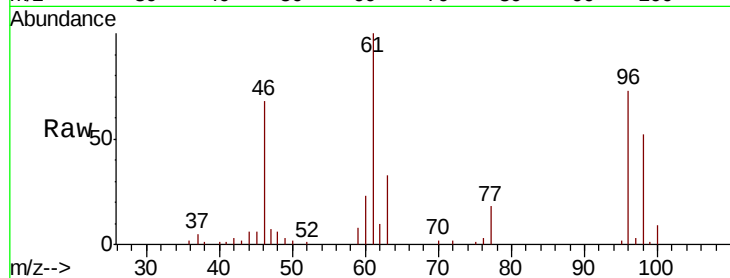
Tot Ion: 96 Resp: 20675

Ion Ratio Lower Upper

96 100

61 137.9 90.5 168.1

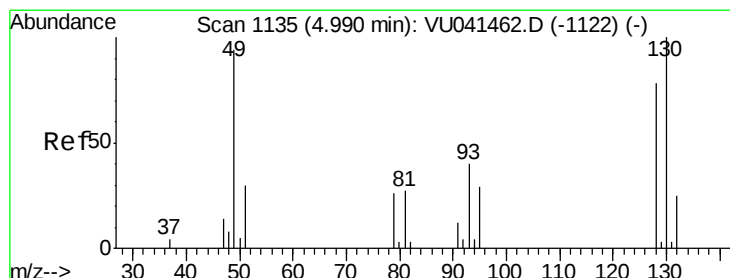
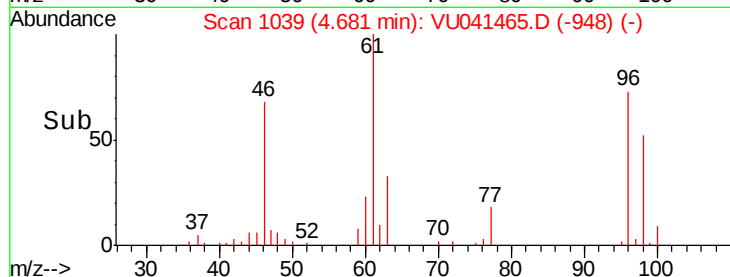
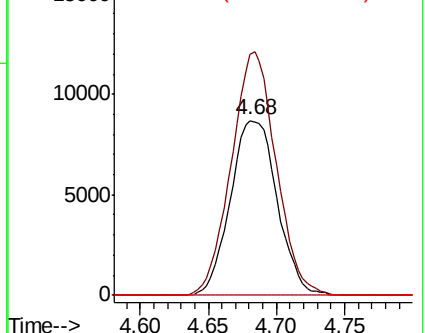
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 5.200 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VU041465.D

Acq: 04 Dec 2020 11:47

Tgt Ion: 128 Resp: 10423

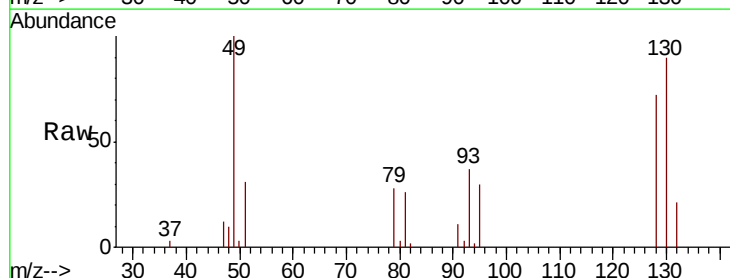
Ion Ratio Lower Upper

128 100

49 138.0 84.2 156.4

130 124.1 89.9 167.0

51 43.3 30.4 45.6

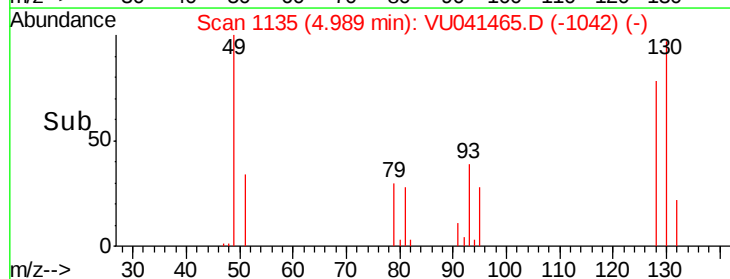
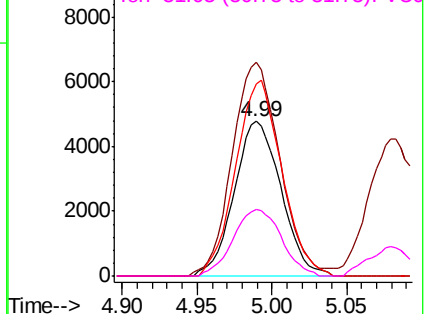


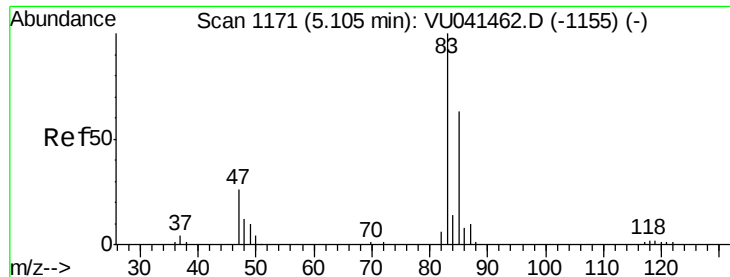
Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

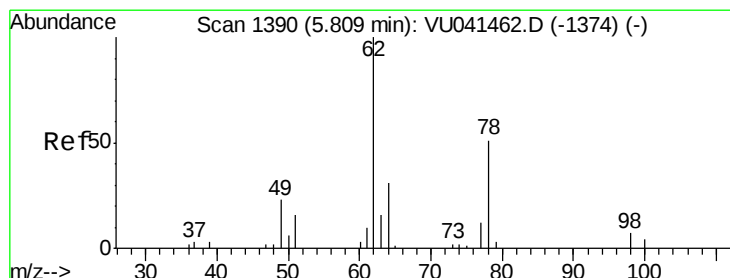
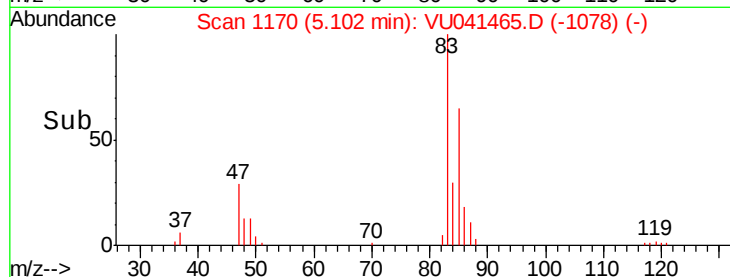
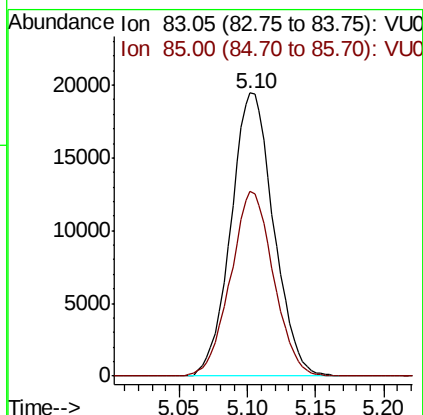
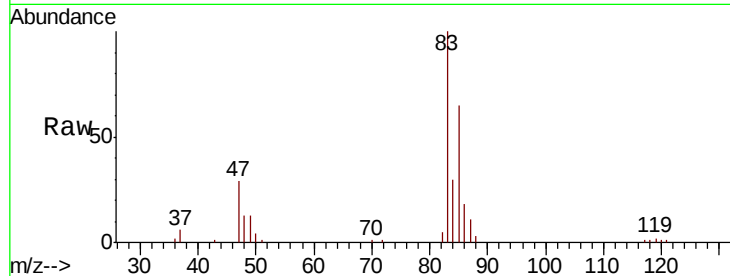




#25
Chloroform
Concen: 5.189 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041465.D
Acq: 04 Dec 2020 11:47

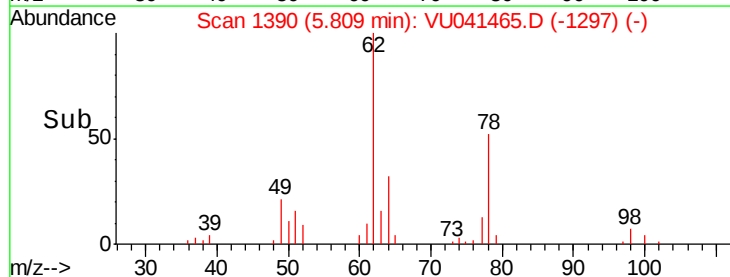
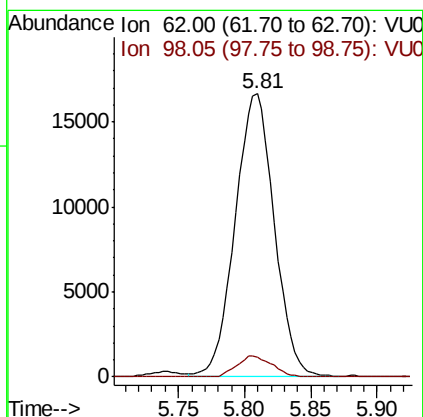
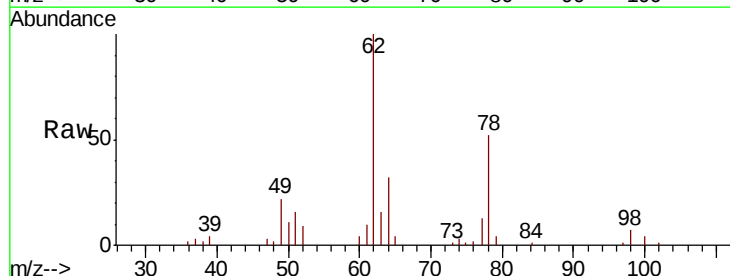
Instrument :
MSVOA_U
ClientSampleId :
VICV05

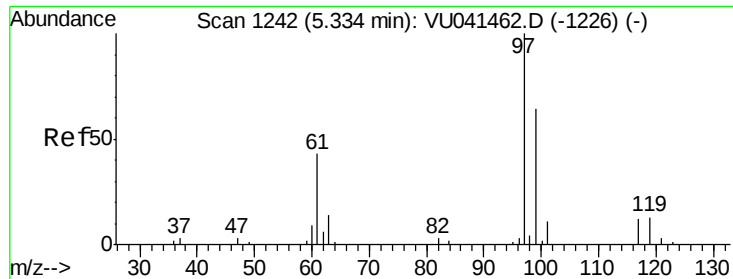
Tot Ion: 83 Resp: 42240
Ion Ratio Lower Upper
83 100
85 65.1 44.7 82.9



#27
1,2-Dichloroethane
Concen: 5.388 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU041465.D
Acq: 04 Dec 2020 11:47

Tgt Ion: 62 Resp: 34280
Ion Ratio Lower Upper
62 100
98 7.0 5.7 8.5

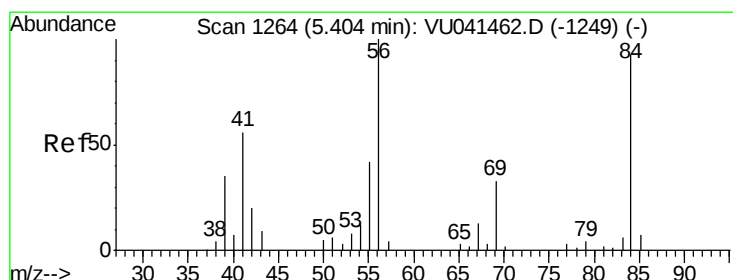
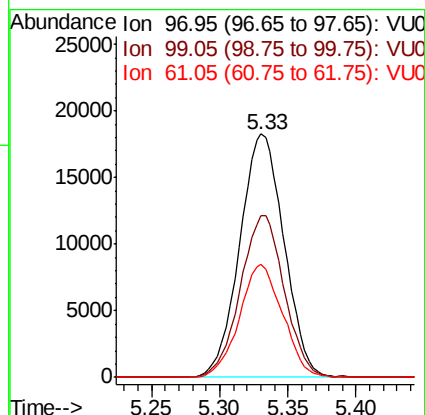
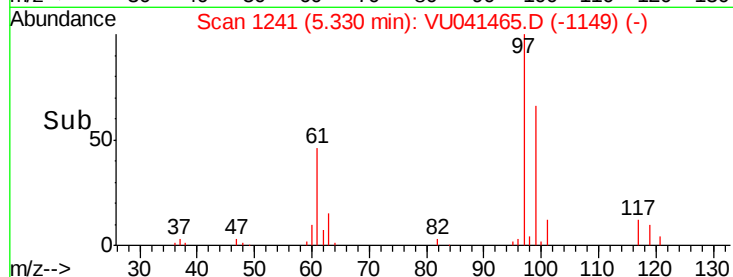
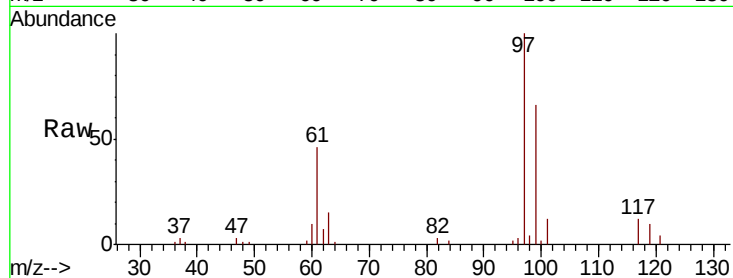




#29
1,1,1-Trichloroethane
Concen: 4.974 ug/L
RT: 5.33 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VU041465.D
Acq: 04 Dec 2020 11:47

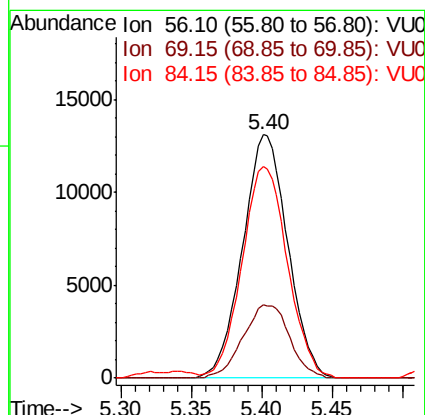
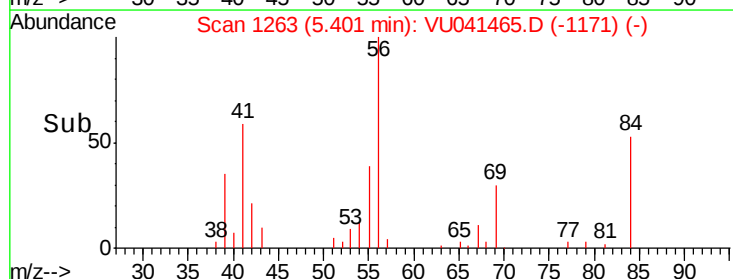
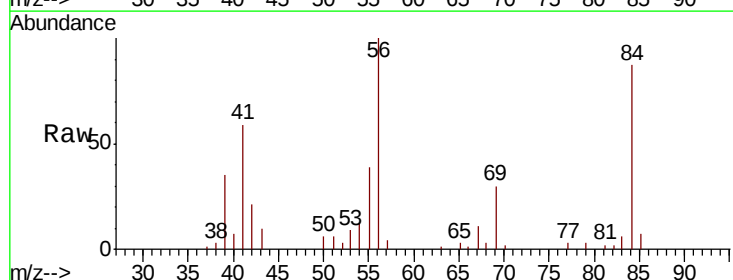
Instrument :
MSVOA_U
ClientSampleId :
VICV05

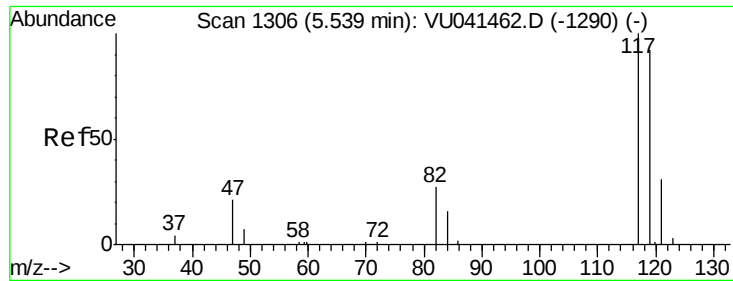
Tot Ion: 97 Resp: 41117
Ion Ratio Lower Upper
97 100
99 66.0 51.0 76.6
61 45.3 34.6 52.0



#30
Cyclohexane
Concen: 5.632 ug/L
RT: 5.40 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VU041465.D
Acq: 04 Dec 2020 11:47

Tgt Ion: 56 Resp: 29271
Ion Ratio Lower Upper
56 100
69 31.0 25.9 38.9
84 87.8 74.9 112.3

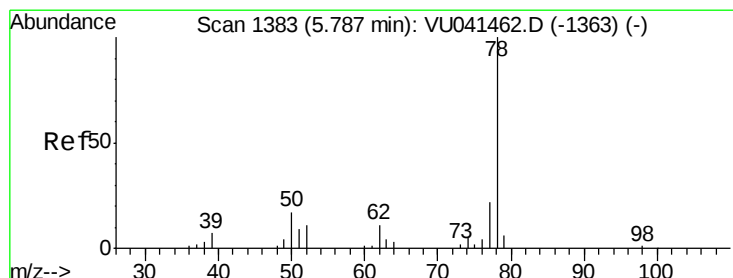
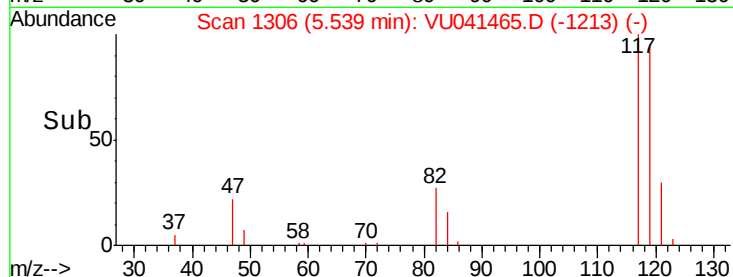
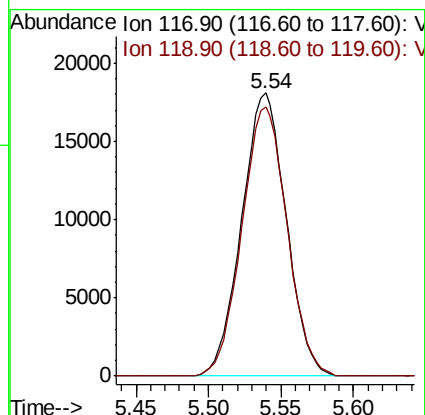
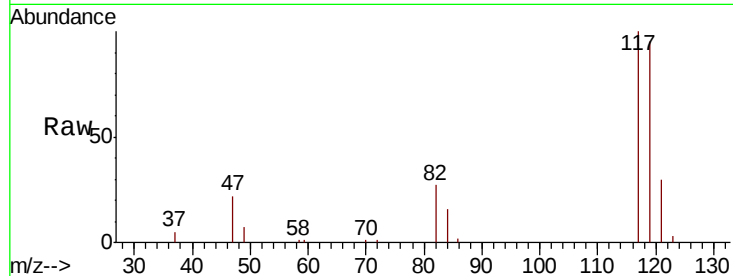




#31
 Carbon tetrachloride
 Concen: 5.050 ug/L
 RT: 5.54 min Scan# 1306
 Delta R.T. -0.00 min
 Lab File: VU041465.D
 Acq: 04 Dec 2020 11:47

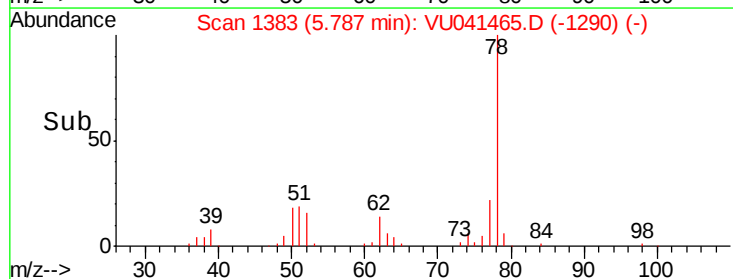
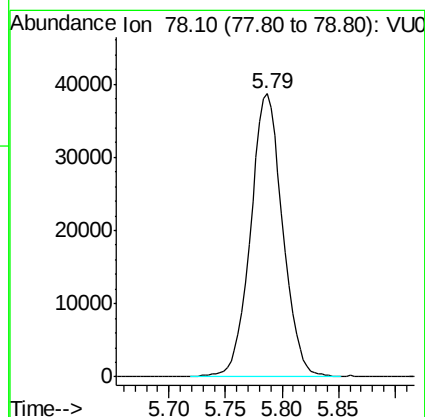
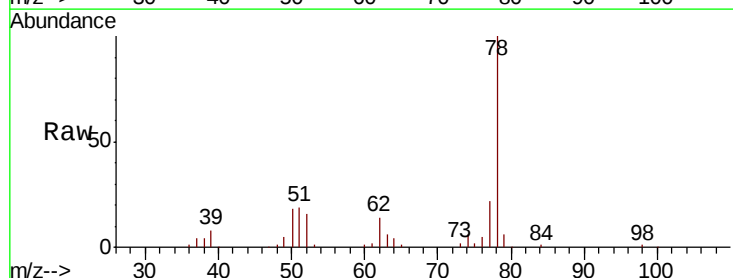
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV05

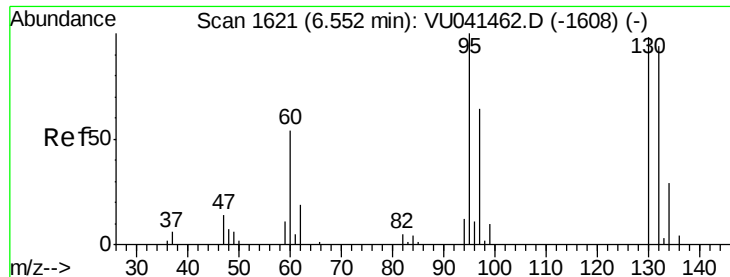
Tot Ion:117 Resp: 38658
 Ion Ratio Lower Upper
 117 100
 119 96.2 77.2 115.8



#33
 Benzene
 Concen: 5.341 ug/L
 RT: 5.79 min Scan# 1383
 Delta R.T. -0.00 min
 Lab File: VU041465.D
 Acq: 04 Dec 2020 11:47

Tgt Ion: 78 Resp: 76263





#34

Trichloroethene

Concen: 5.069 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU041465.D

Acq: 04 Dec 2020 11:47

Instrument :

MSVOA_U

ClientSampled :

VICV05

Tot Ion: 95 Resp: 21841

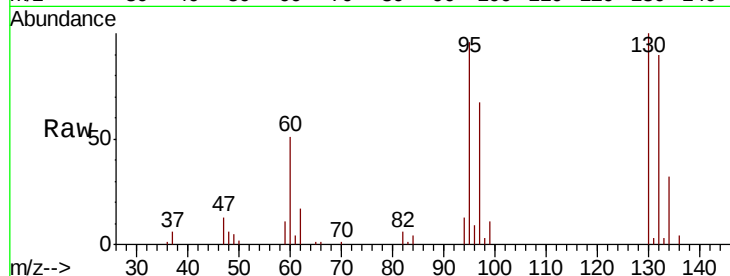
Ion Ratio Lower Upper

95 100

97 70.3 44.7 83.1

132 94.0 65.7 121.9

130 104.2 68.8 127.8

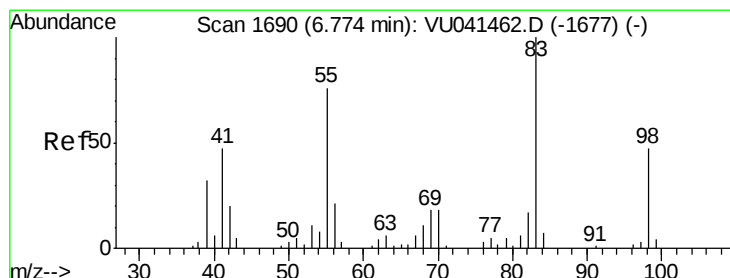
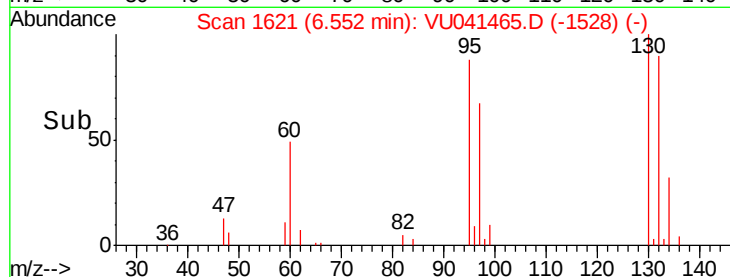
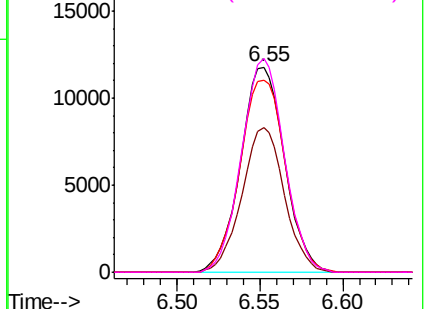


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.440 ug/L

RT: 6.77 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VU041465.D

Acq: 04 Dec 2020 11:47

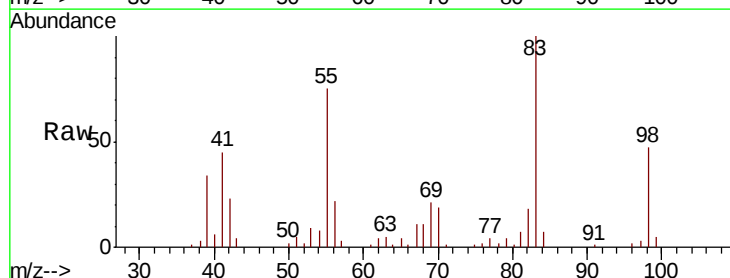
Tgt Ion: 83 Resp: 31979

Ion Ratio Lower Upper

83 100

55 75.6 62.1 93.1

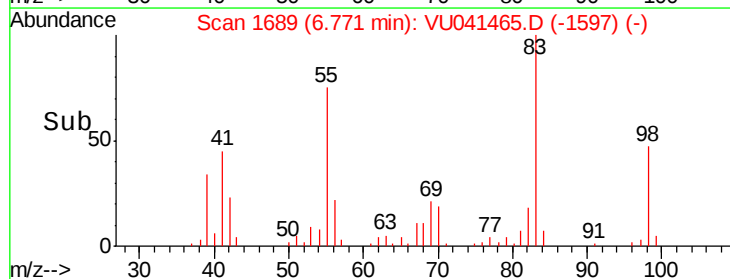
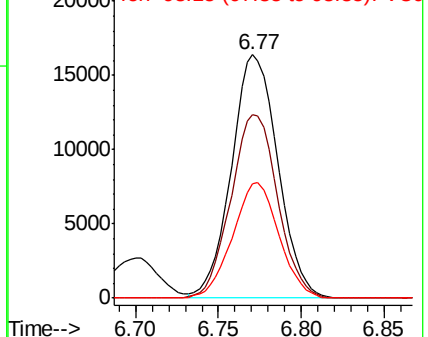
98 47.1 38.7 58.1

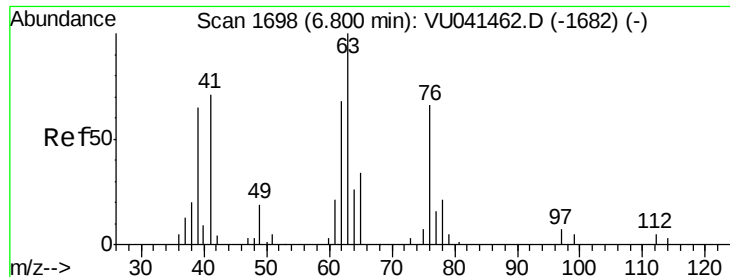


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

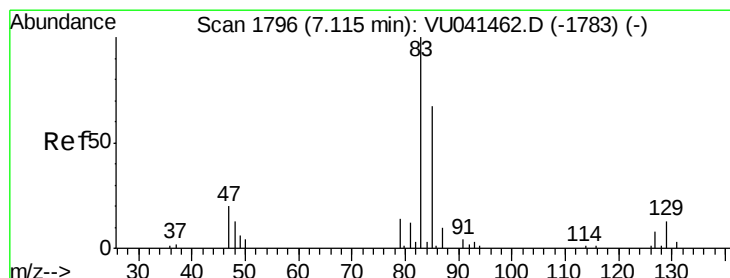
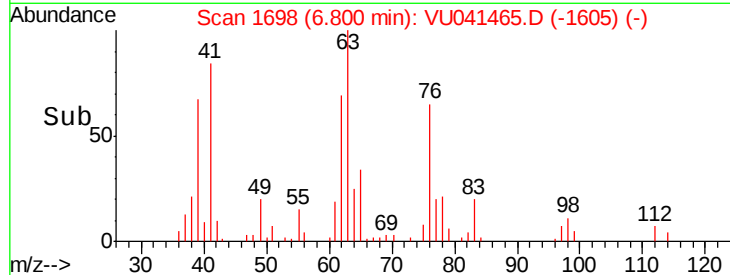
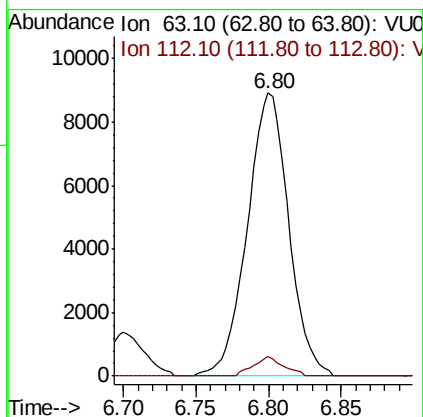
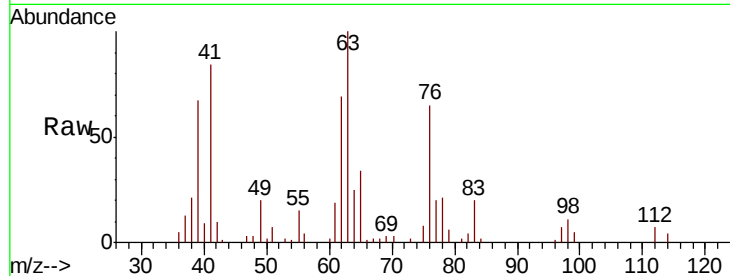




#37
 1,2-Dichloropropane
 Concen: 5.304 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU041465.D
 Acq: 04 Dec 2020 11:47

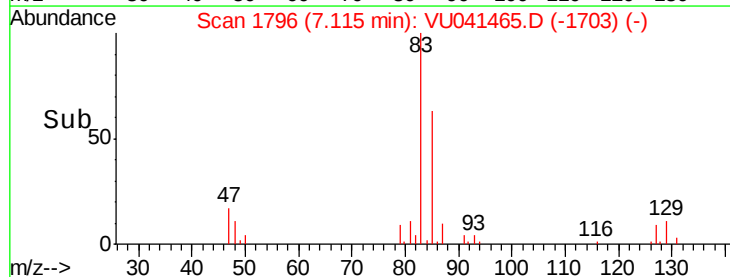
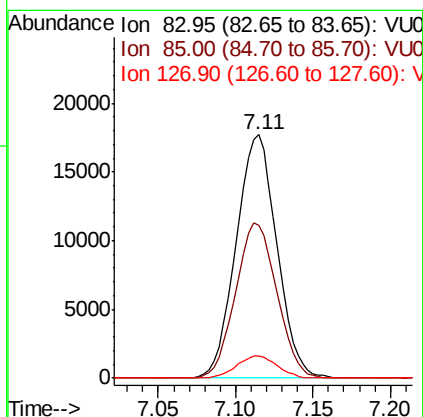
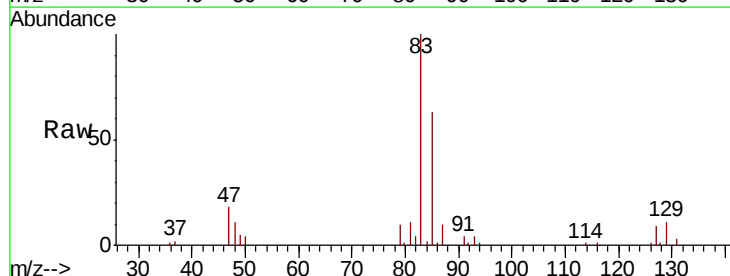
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV05

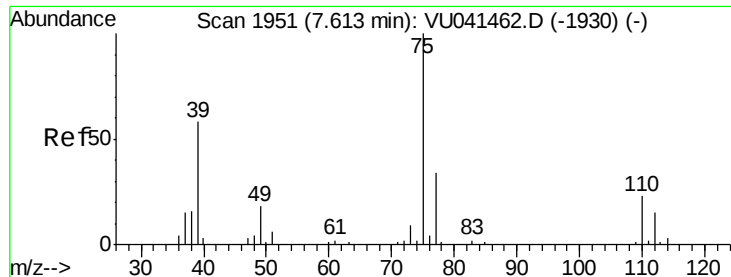
Tot Ion: 63 Resp: 17747
 Ion Ratio Lower Upper
 63 100
 112 5.0 4.2 6.2



#38
 Bromodichloromethane
 Concen: 5.298 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU041465.D
 Acq: 04 Dec 2020 11:47

Tgt Ion: 83 Resp: 32383
 Ion Ratio Lower Upper
 83 100
 85 62.7 46.7 86.7
 127 9.4 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 5.229 ug/L

RT: 7.61 min Scan# 1951

Delta R.T. -0.00 min

Lab File: VU041465.D

Acq: 04 Dec 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

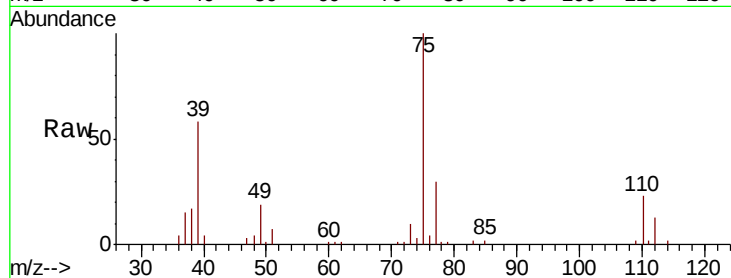
VICV05

Tot Ion: 75 Resp: 31605

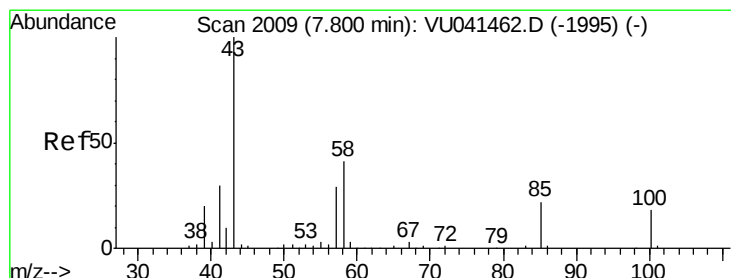
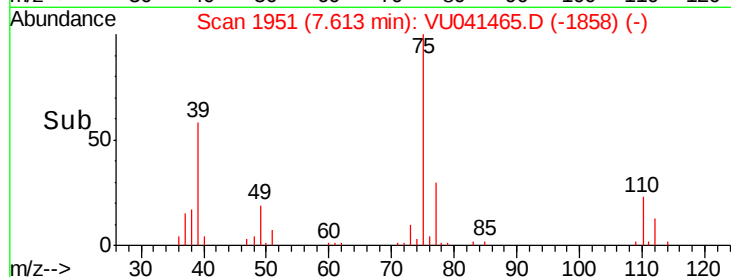
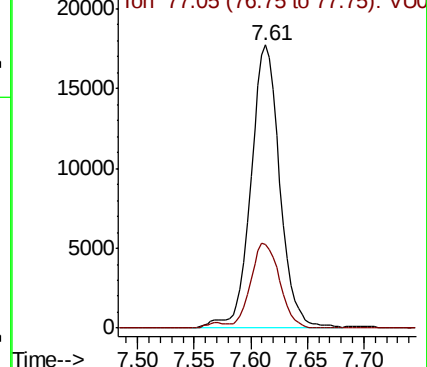
Ion Ratio Lower Upper

75 100

77 29.8 24.0 44.6



Abundance Ion 75.05 (74.75 to 75.75): VU041465.D (-1930) (-)



#40

4-Methyl-2-pentanone

Concen: 51.883 ug/L

RT: 7.80 min Scan# 2008

Delta R.T. -0.00 min

Lab File: VU041465.D

Acq: 04 Dec 2020 11:47

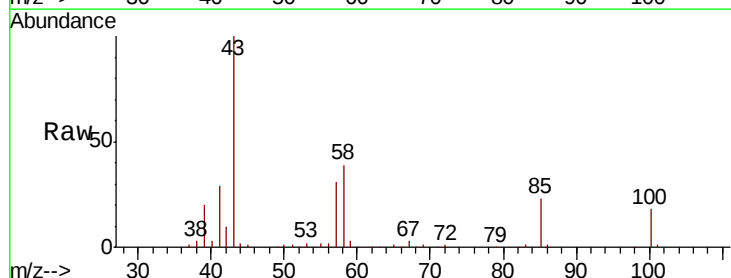
Tgt Ion: 43 Resp: 139073

Ion Ratio Lower Upper

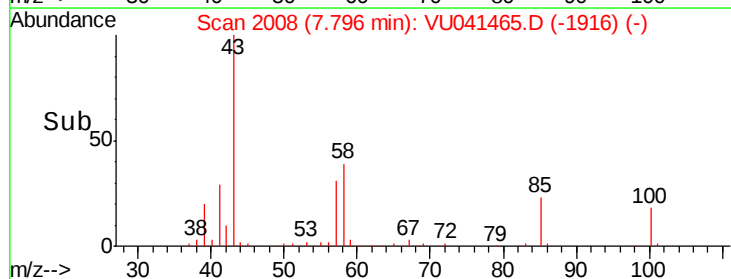
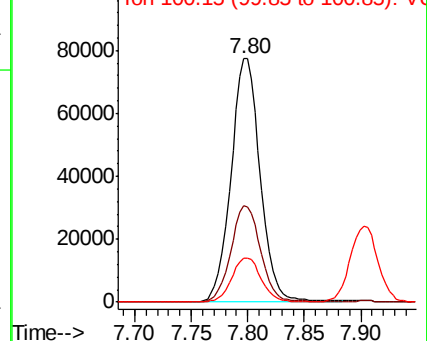
43 100

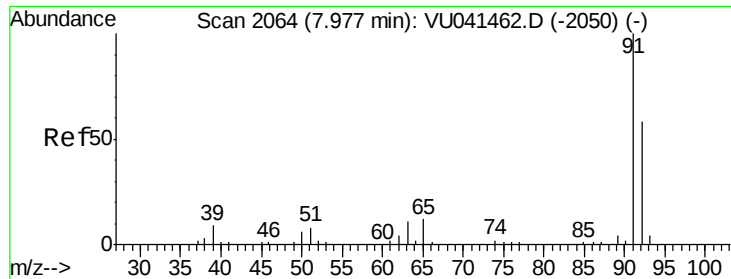
58 40.2 32.0 48.0

100 18.4 14.2 21.2



Abundance Ion 43.05 (42.75 to 43.75): VU041465.D (-1995) (-)





#42

Toluene

Concen: 5.375 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041465.D

Acq: 04 Dec 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

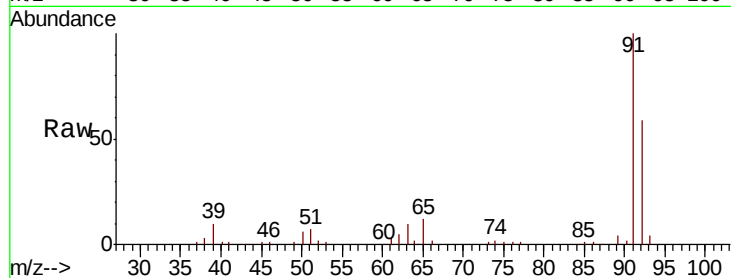
VICV05

Tot Ion: 91 Resp: 86374

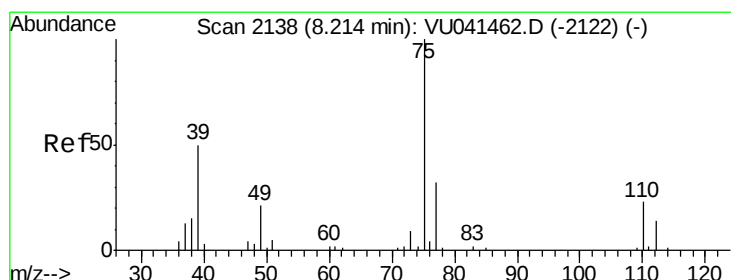
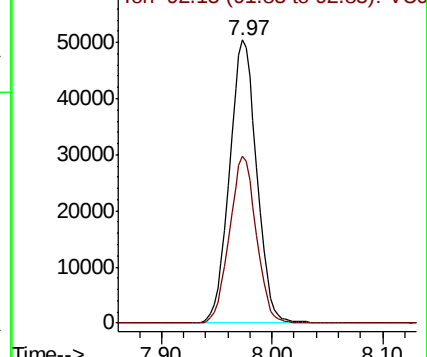
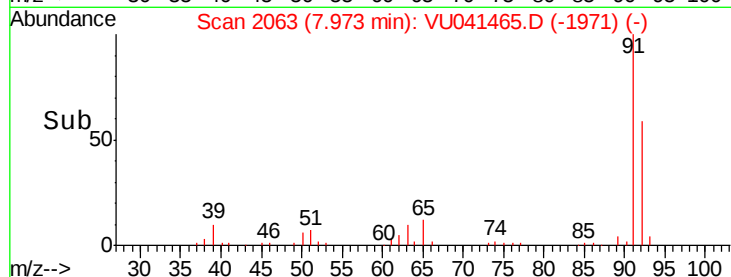
Ion Ratio Lower Upper

91 100

92 59.0 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VU041465.D (-1971) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.383 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041465.D

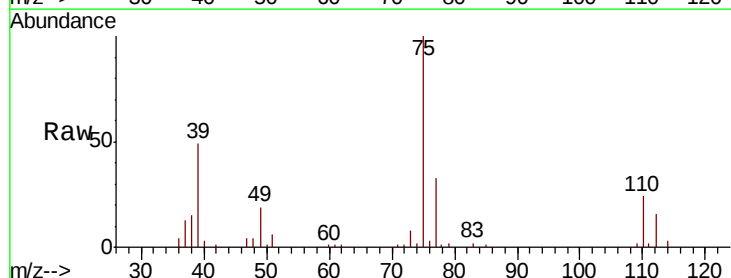
Acq: 04 Dec 2020 11:47

Tgt Ion: 75 Resp: 32496

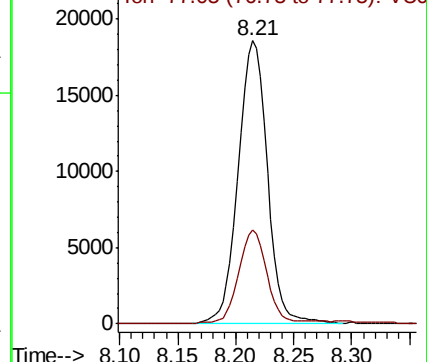
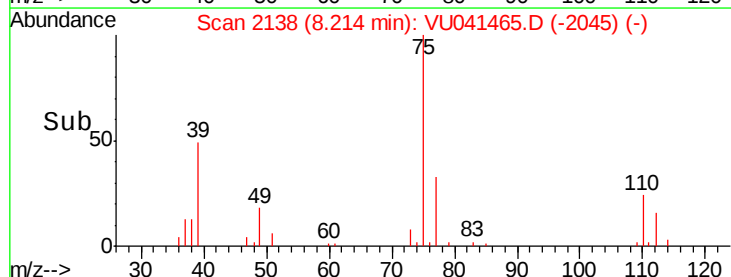
Ion Ratio Lower Upper

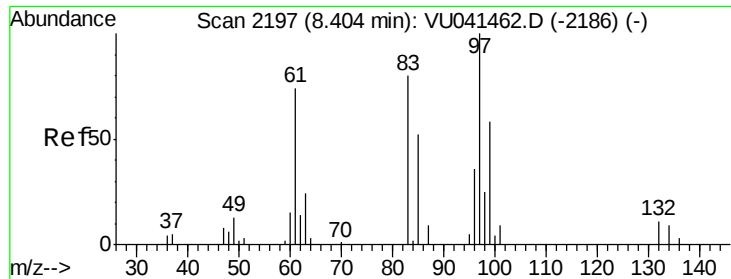
75 100

77 33.1 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VU041465.D (-2045) (-)

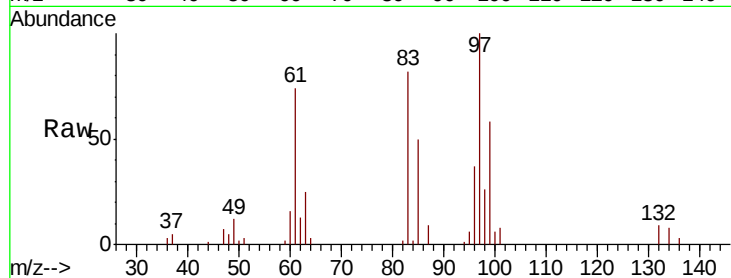




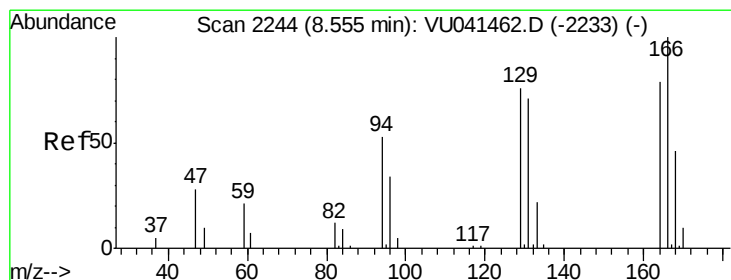
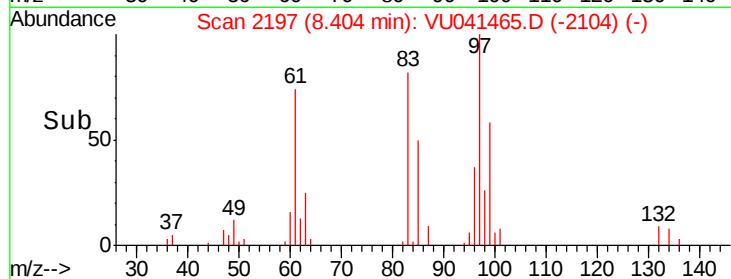
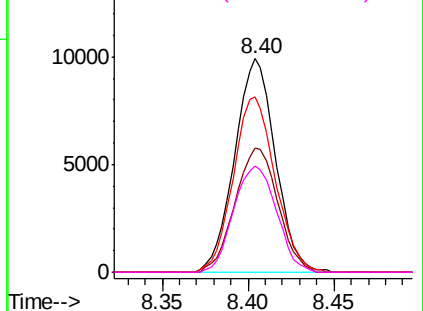
#45
1,1,2-Trichloroethane
Concen: 5.055 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VU041465.D
Acq: 04 Dec 2020 11:47

Instrument :
MSVOA_U
ClientSampleId :
VICV05

Tot Ion:	97	Resp:	16309
Ion	Ratio	Lower	Upper
97	100		
99	58.3	40.7	75.7
83	82.2	56.2	104.4
85	49.6	36.0	67.0

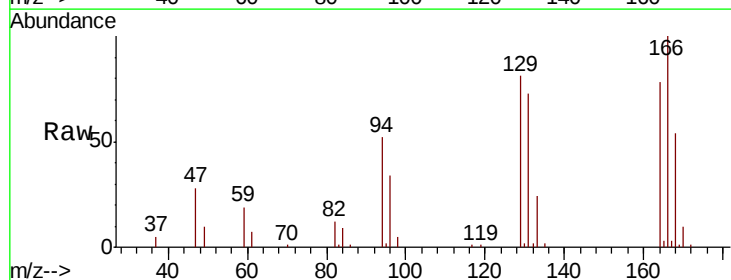


Abundance Ion 96.95 (96.65 to 97.65): VU041465.D (-2104) (-)

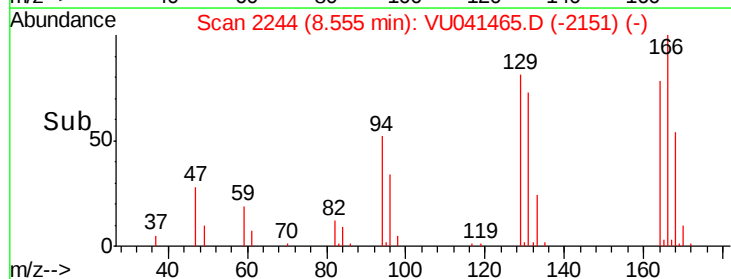
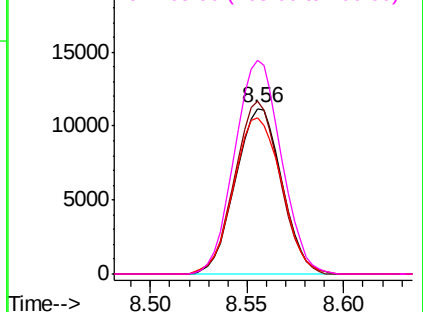


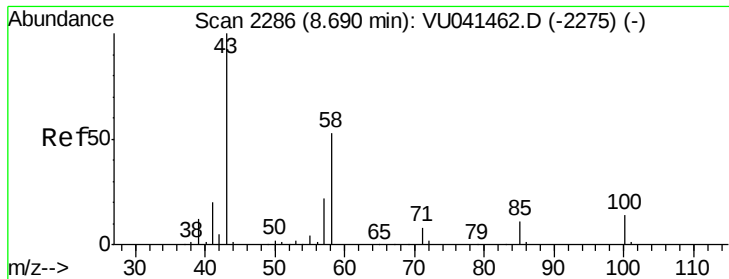
#47
Tetrachloroethene
Concen: 5.488 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU041465.D
Acq: 04 Dec 2020 11:47

Tgt Ion:	164	Resp:	18677
Ion	Ratio	Lower	Upper
164	100		
129	104.1	67.1	124.7
131	94.3	63.3	117.7
166	128.9	88.8	164.8



Abundance Ion 163.90 (163.60 to 164.60): VU041465.D (-2151) (-)

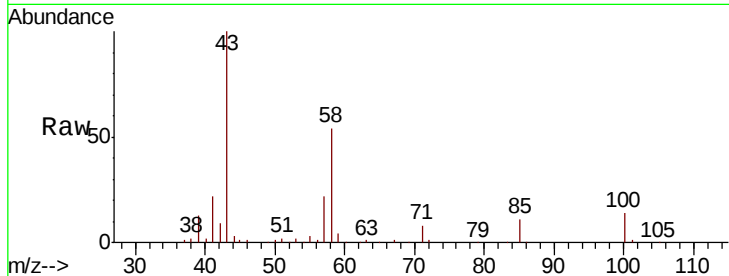




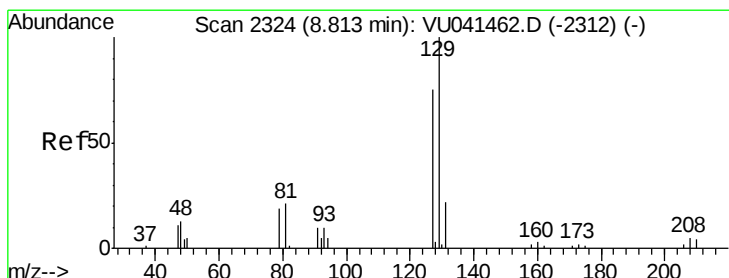
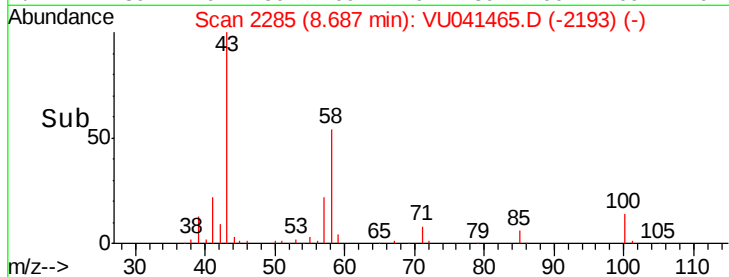
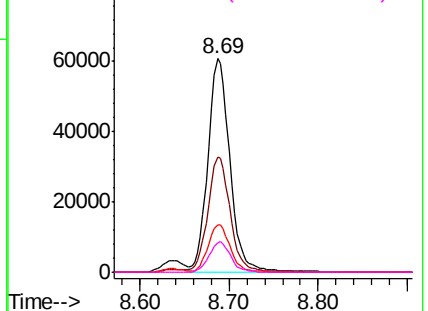
#48
2-Hexanone
Concen: 48.455 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VU041465.D
Acq: 04 Dec 2020 11:47

Instrument :
MSVOA_U
ClientSampleId :
VICV05

Tot Ion: 43 Resp: 104369
Ion Ratio Lower Upper
43 100
58 54.3 41.4 62.0
57 22.4 17.1 25.7
100 14.0 10.6 16.0

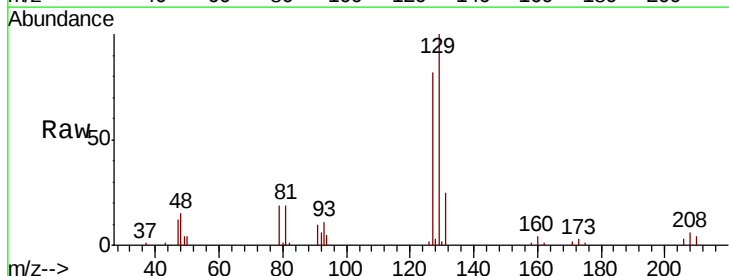


Abundance Ion 43.05 (42.75 to 43.75): VU041465.D (-2193) (-)
Ion 58.05 (57.75 to 58.75): VU041465.D (-2193) (-)
Ion 57.20 (56.90 to 57.90): VU041465.D (-2193) (-)
Ion 100.15 (99.85 to 100.85): VU041465.D (-2193) (-)

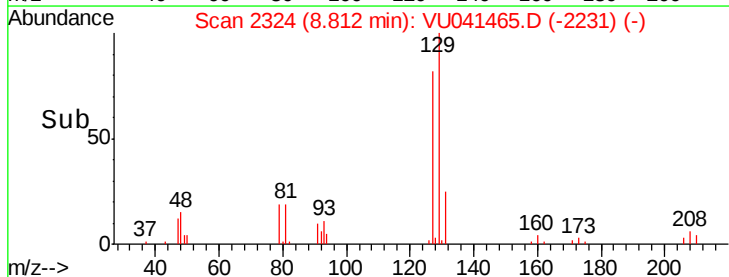
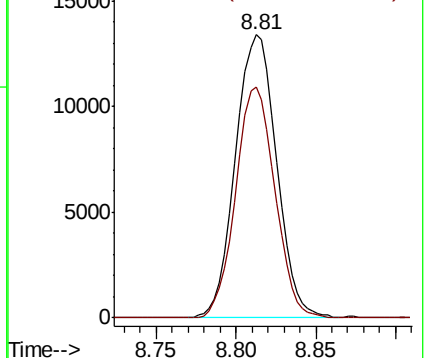


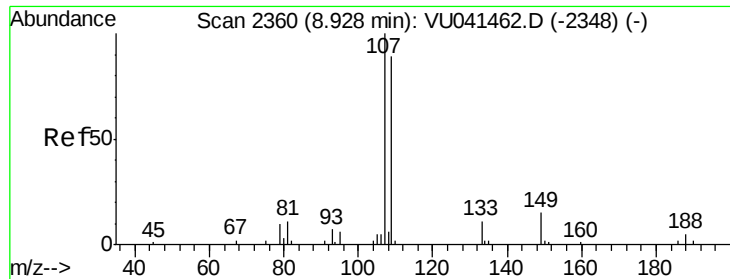
#49
Dibromochloromethane
Concen: 5.352 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU041465.D
Acq: 04 Dec 2020 11:47

Tgt Ion: 129 Resp: 23525
Ion Ratio Lower Upper
129 100
127 81.7 52.4 97.2



Abundance Ion 128.95 (128.65 to 129.65): VU041465.D (-2231) (-)
Ion 126.90 (126.60 to 127.60): VU041465.D (-2231) (-)

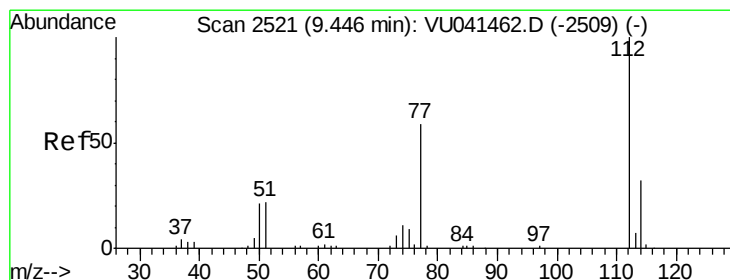
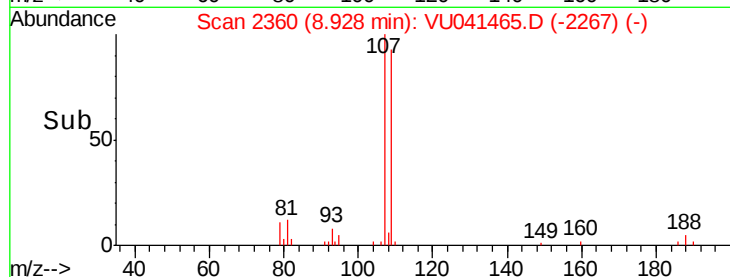
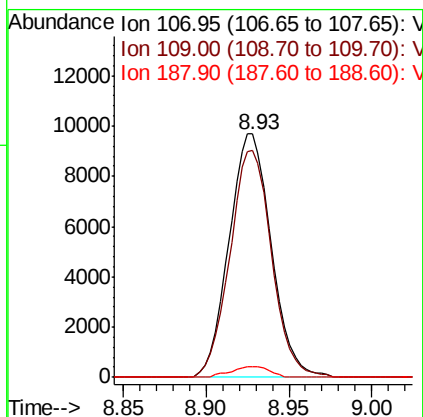
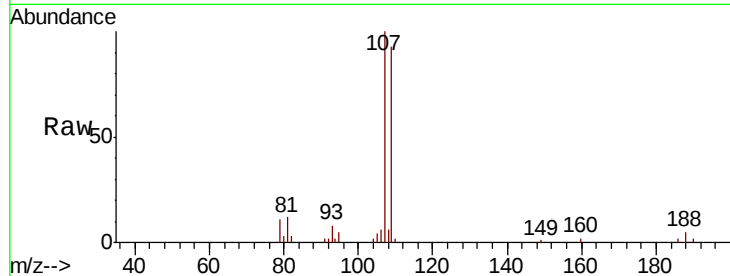




#50
1,2-Dibromoethane
Concen: 5.261 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU041465.D
Acq: 04 Dec 2020 11:47

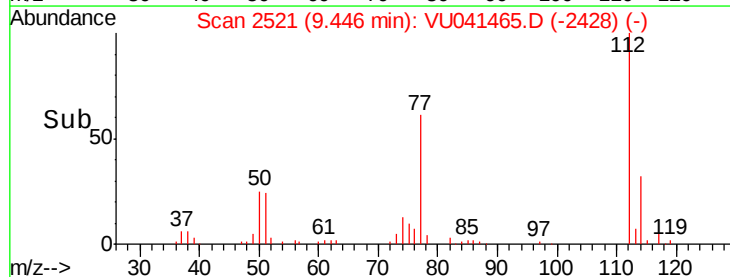
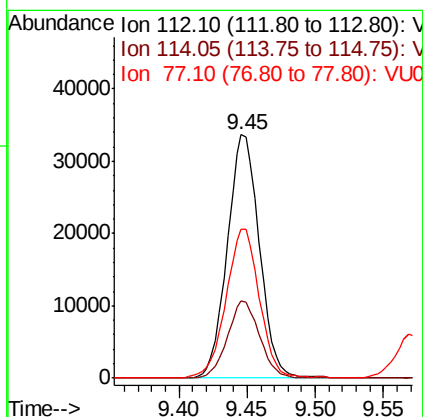
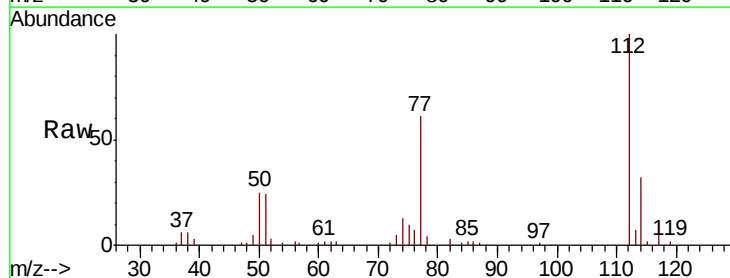
Instrument :
MSVOA_U
ClientSampleId :
VICV05

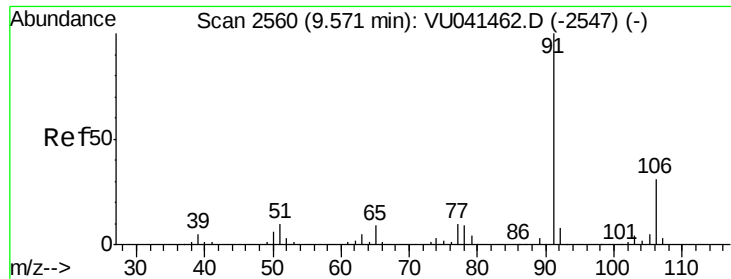
Tot Ion:107 Resp: 17123
Ion Ratio Lower Upper
107 100
109 93.4 62.3 115.7
188 4.6 4.2 6.4



#51
Chlorobenzene
Concen: 5.145 ug/L
RT: 9.45 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VU041465.D
Acq: 04 Dec 2020 11:47

Tgt Ion:112 Resp: 55094
Ion Ratio Lower Upper
112 100
114 31.9 22.7 42.1
77 61.3 48.2 72.2





#52

Ethylbenzene

Concen: 5.271 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU041465.D

Acq: 04 Dec 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

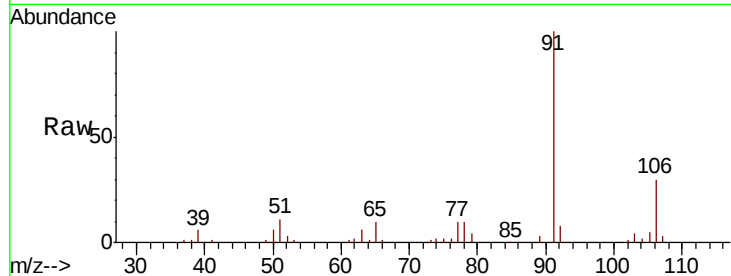
VICV05

Tot Ion: 91 Resp: 97047

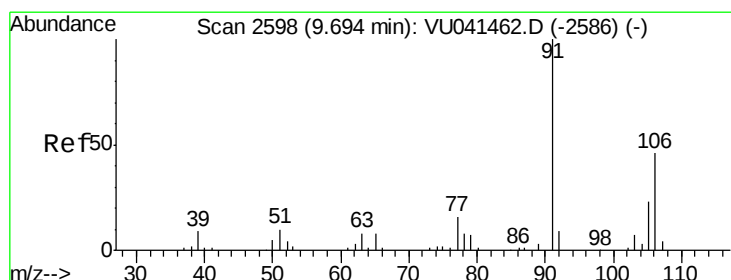
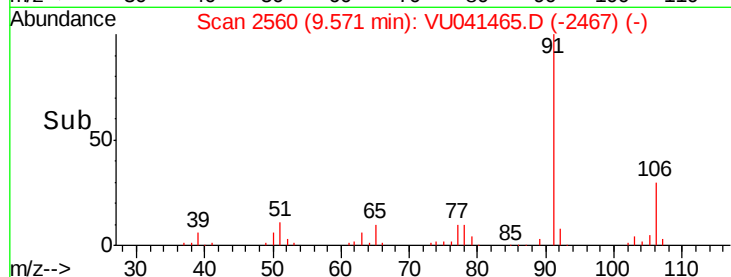
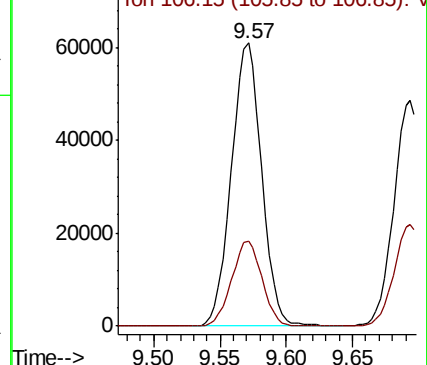
Ion Ratio Lower Upper

91 100

106 30.2 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU041465.D (-2547) (-)



#53

m,p-Xylene

Concen: 5.289 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041465.D

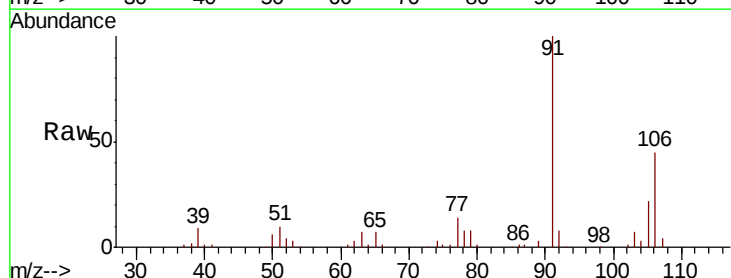
Acq: 04 Dec 2020 11:47

Tgt Ion: 106 Resp: 35353

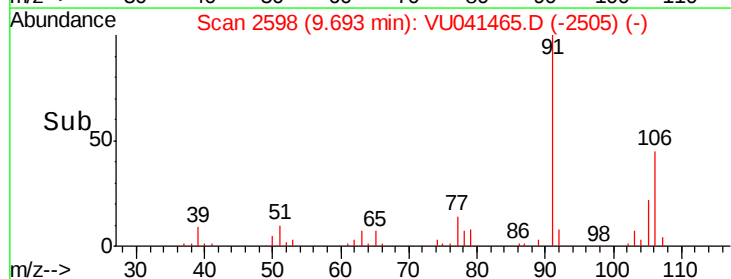
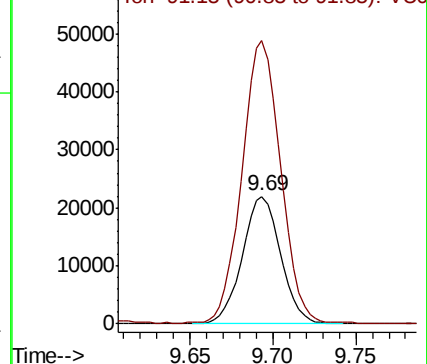
Ion Ratio Lower Upper

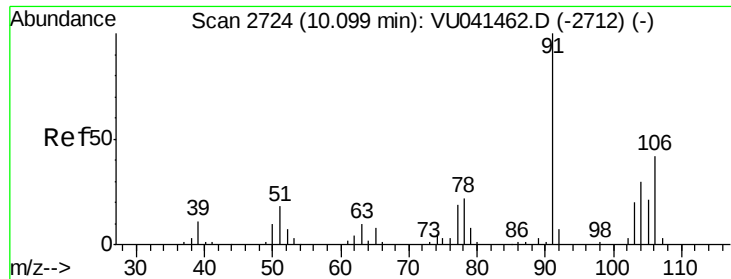
106 100

91 221.9 151.8 282.0



Abundance Ion 106.15 (105.85 to 106.85): VU041465.D (-2598) (-)

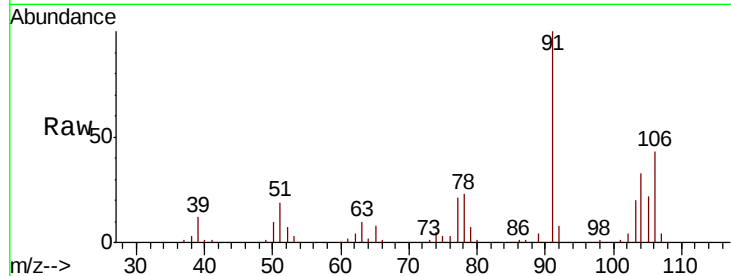




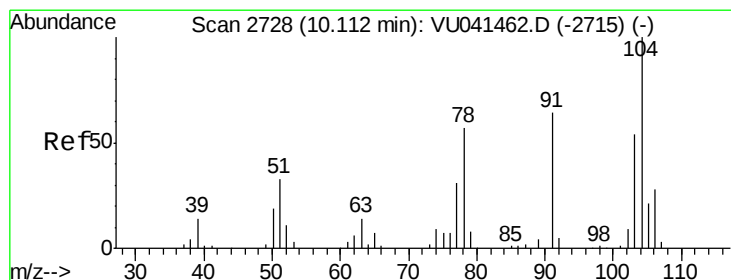
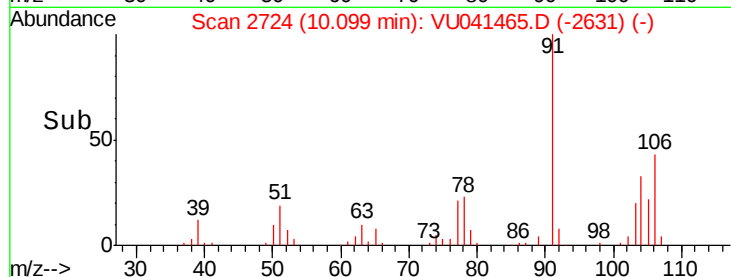
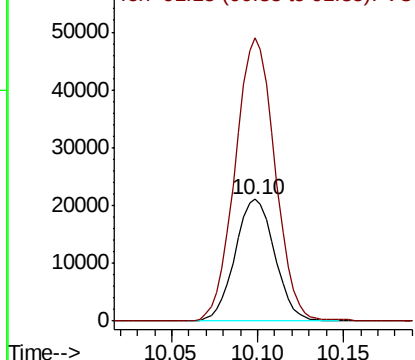
#54
o-Xylene
Concen: 5.207 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU041465.D
Acq: 04 Dec 2020 11:47

Instrument :
MSVOA_U
ClientSampled :
VICV05

Tot Ion:106 Resp: 33742
Ion Ratio Lower Upper
106 100
91 232.2 165.8 308.0

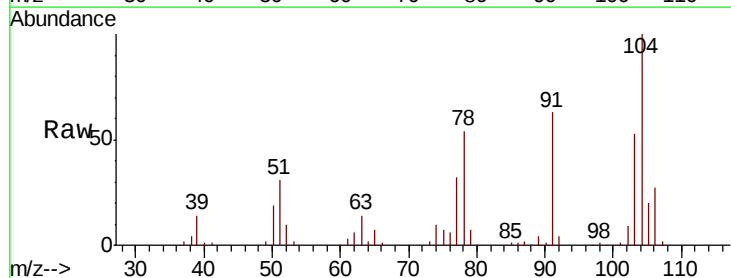


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

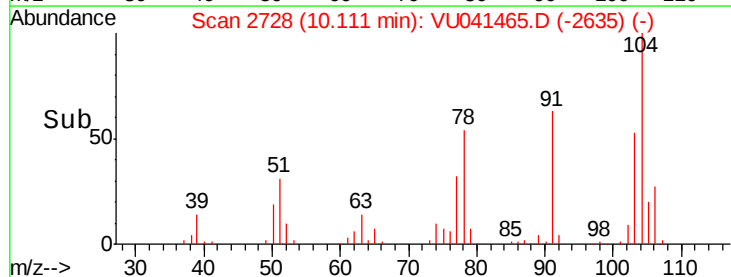
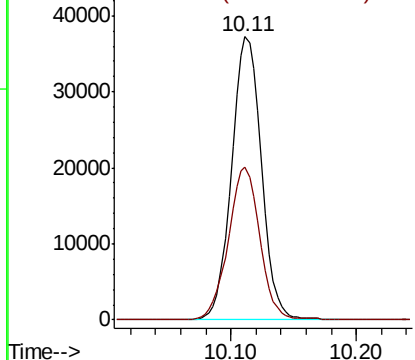


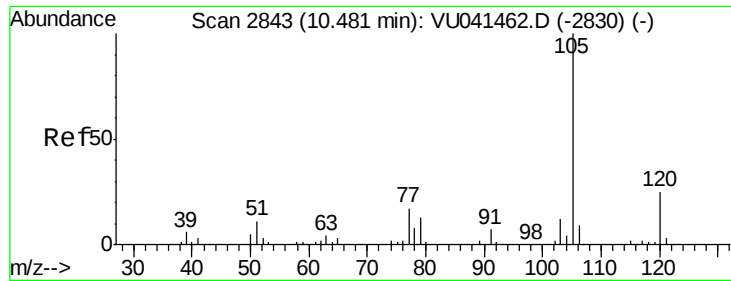
#55
Styrene
Concen: 5.588 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. -0.00 min
Lab File: VU041465.D
Acq: 04 Dec 2020 11:47

Tgt Ion:104 Resp: 61499
Ion Ratio Lower Upper
104 100
78 53.8 39.8 74.0



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





#56

Isopropylbenzene

Concen: 5.345 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041465.D

Acq: 04 Dec 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

VICV05

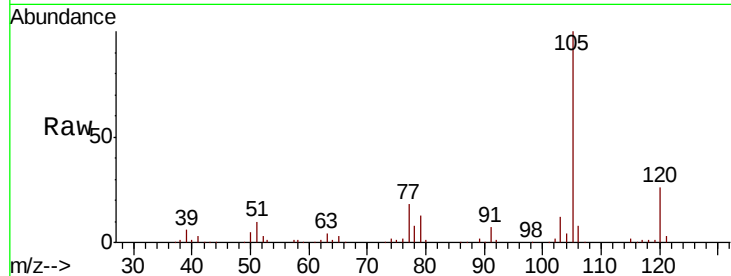
Tot Ion:105 Resp: 97784

Ion Ratio Lower Upper

105 100

120 25.9 20.0 30.0

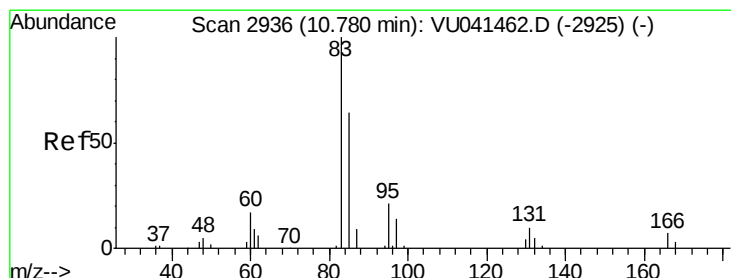
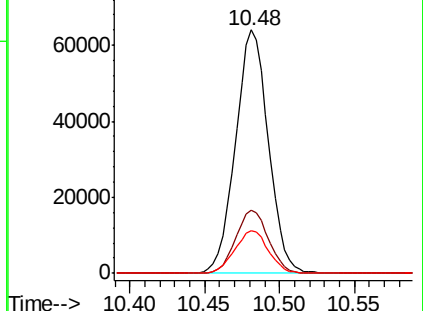
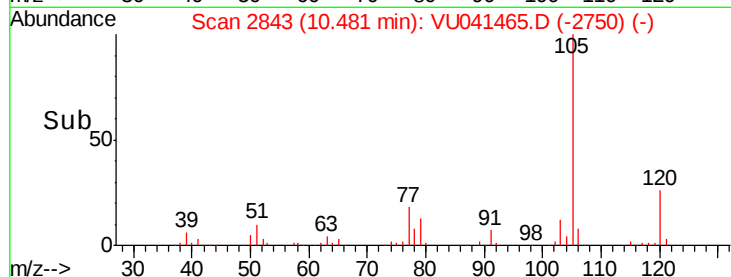
77 17.8 13.9 20.9



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: 4.884 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU041465.D

Acq: 04 Dec 2020 11:47

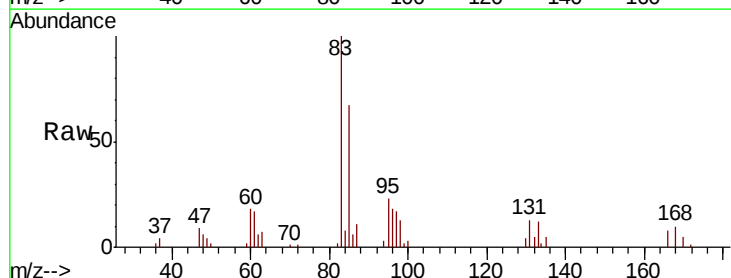
Tgt Ion: 83 Resp: 19359

Ion Ratio Lower Upper

83 100

85 67.4 45.2 84.0

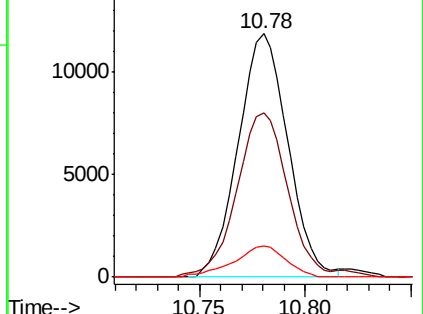
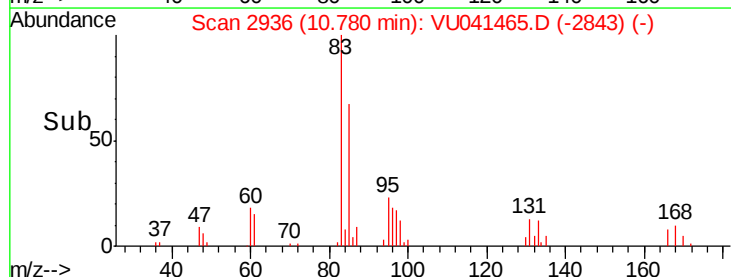
131 12.8 9.1 13.7

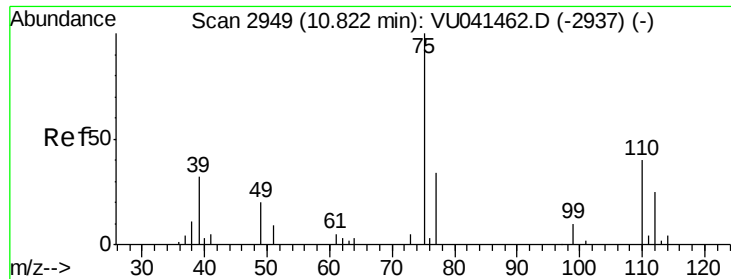


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.061 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU041465.D

Acq: 04 Dec 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

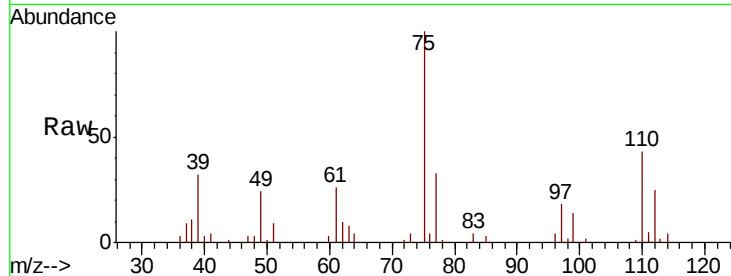
VICV05

Tot Ion: 75 Resp: 16428

Ion Ratio Lower Upper

75 100

77 32.6 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VU041462.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU041462.D (-2937) (-)

10.82

12000

10000

8000

6000

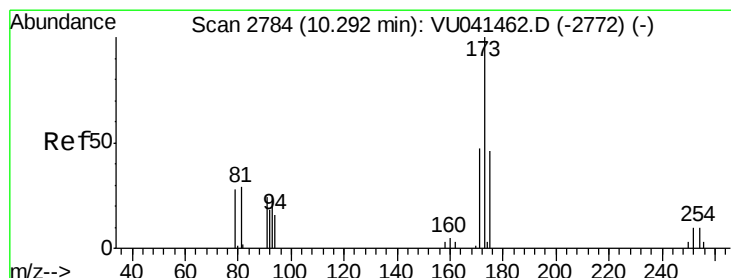
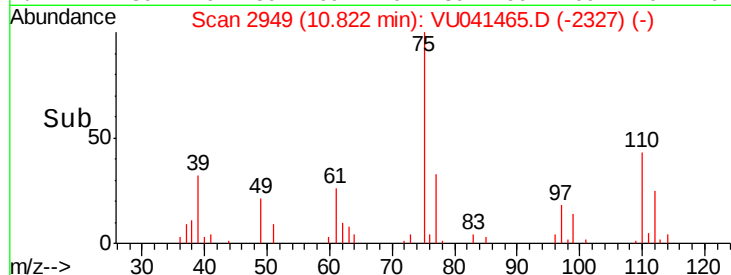
4000

2000

0

Time-->

10.75 10.80 10.85



#61

Bromoform

Concen: 5.018 ug/L

RT: 10.29 min Scan# 2783

Delta R.T. -0.00 min

Lab File: VU041465.D

Acq: 04 Dec 2020 11:47

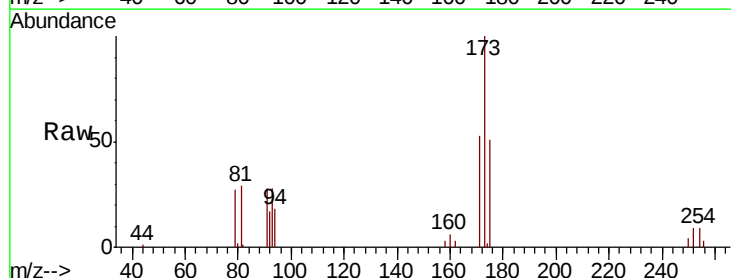
Tgt Ion: 173 Resp: 13961

Ion Ratio Lower Upper

173 100

175 49.0 38.8 58.2

254 10.0 7.6 11.4



Abundance Ion 172.90 (172.60 to 173.60): VU041462.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU041462.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU041462.D (-2772) (-)

10.29

10000

8000

6000

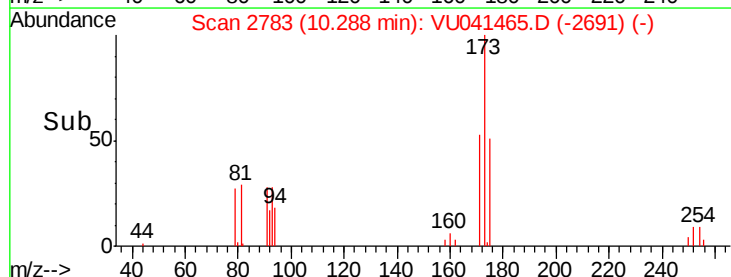
4000

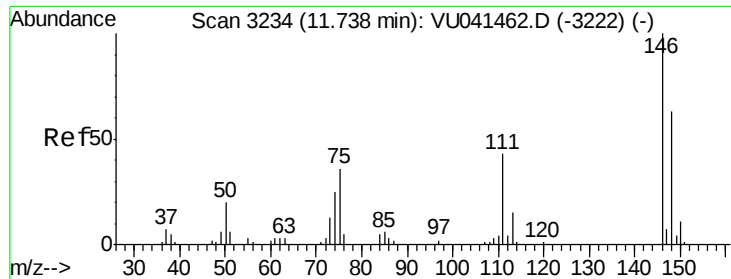
2000

0

Time-->

10.25 10.30 10.35





#62

1,3-Dichlorobenzene

Concen: 5.285 ug/L

RT: 11.74 min Scan# 3234

Delta R.T. -0.00 min

Lab File: VU041465.D

Acq: 04 Dec 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

VICV05

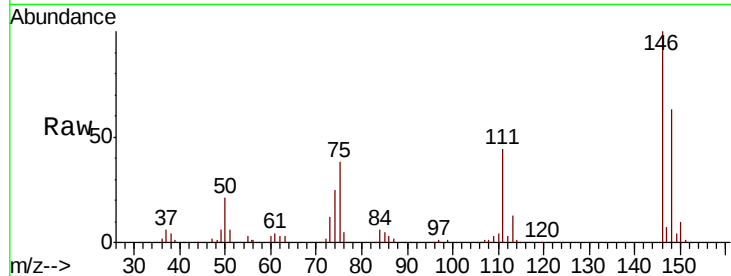
Tot Ion:146 Resp: 49315

Ion Ratio Lower Upper

146 100

111 44.2 30.2 56.0

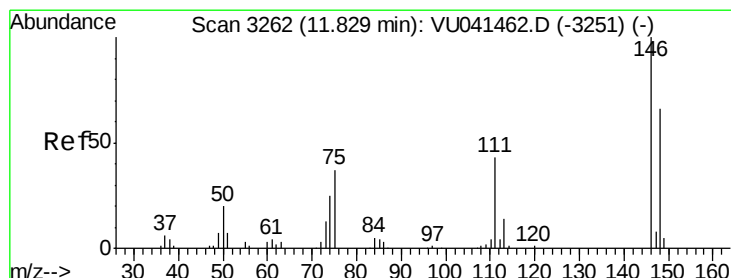
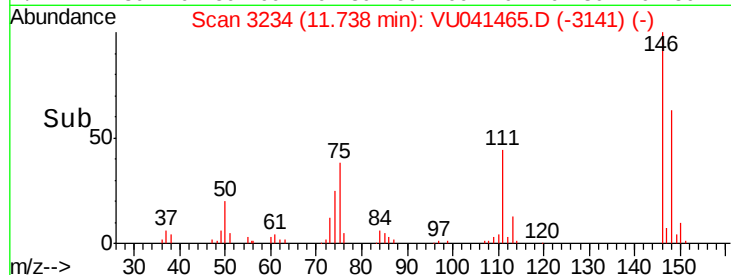
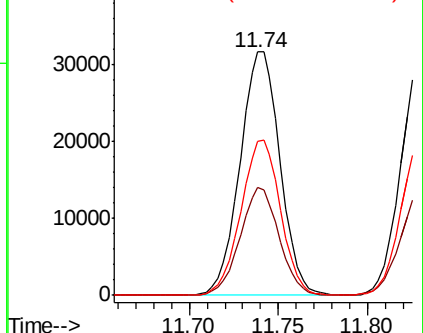
148 63.3 44.0 81.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.133 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU041465.D

Acq: 04 Dec 2020 11:47

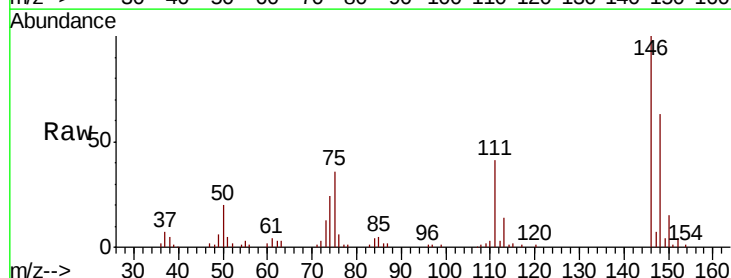
Tgt Ion:146 Resp: 49109

Ion Ratio Lower Upper

146 100

111 41.0 30.7 57.1

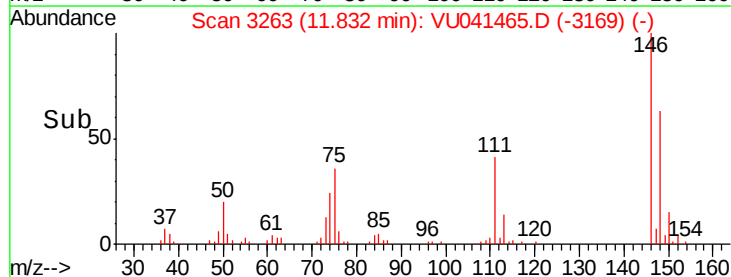
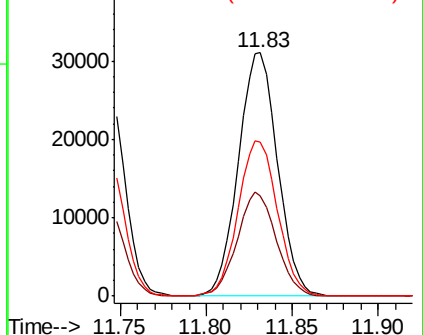
148 63.4 45.8 85.2

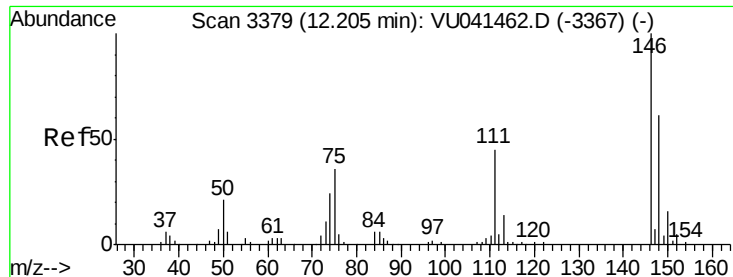


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.024 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU041465.D

Acq: 04 Dec 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

VICV05

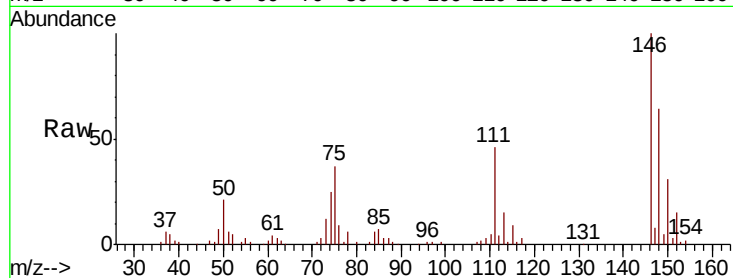
Tot Ion:146 Resp: 46413

Ion Ratio Lower Upper

146 100

111 45.7 36.0 54.0

148 63.8 49.0 73.6

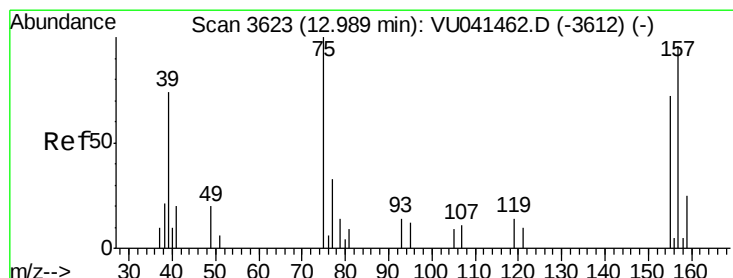
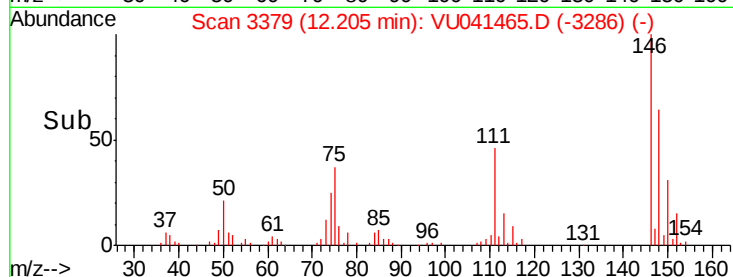
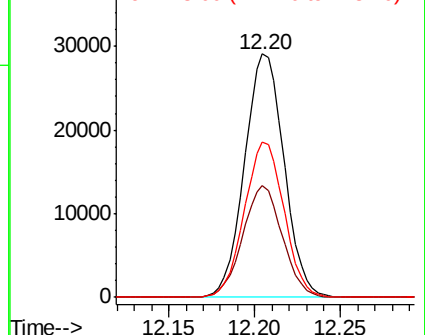


Abundance

Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.313 ug/L

RT: 12.99 min Scan# 3622

Delta R.T. -0.00 min

Lab File: VU041465.D

Acq: 04 Dec 2020 11:47

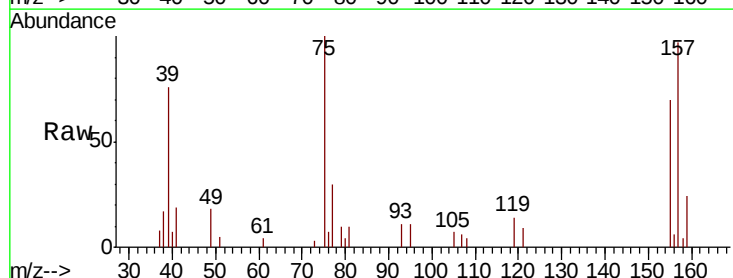
Tgt Ion: 75 Resp: 4808

Ion Ratio Lower Upper

75 100

155 69.7 58.0 87.0

157 97.1 77.1 115.7

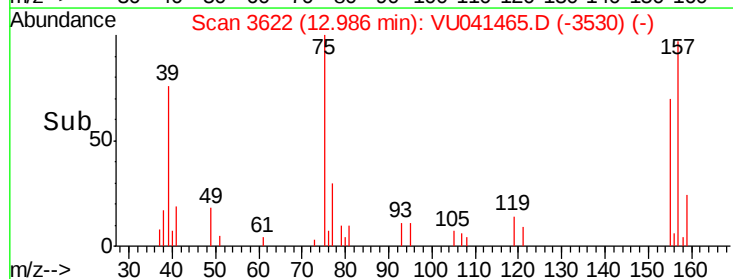
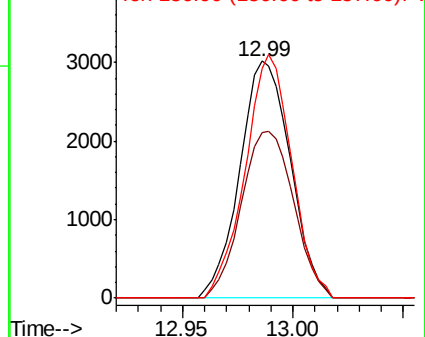


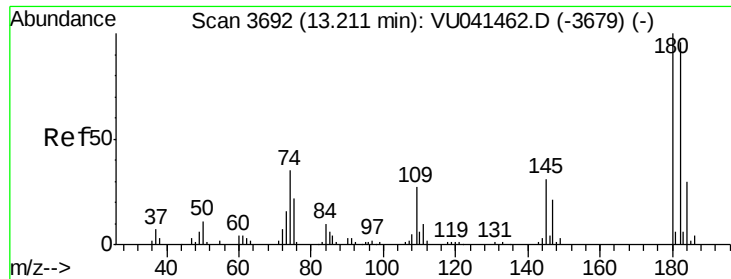
Abundance

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

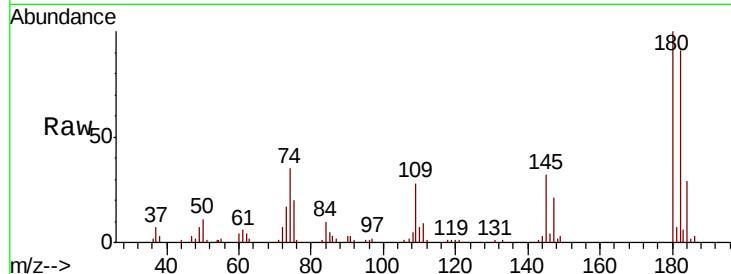




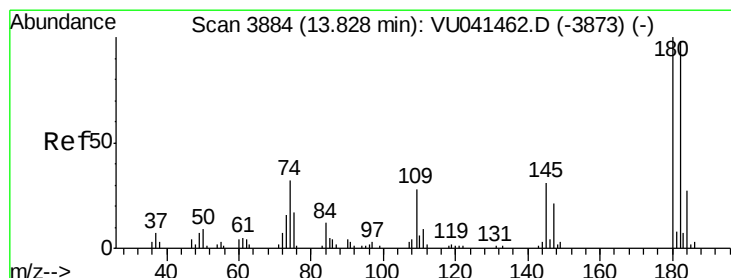
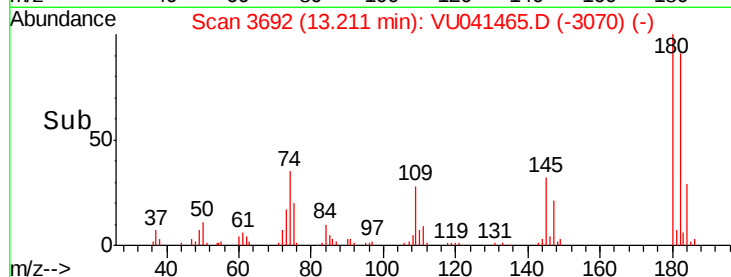
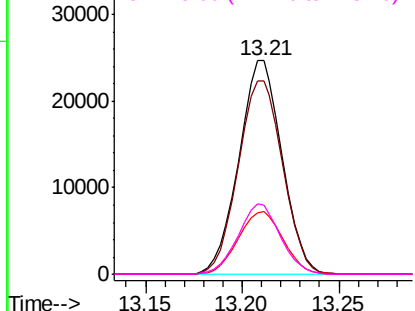
#67
 1,3,5-Trichlorobenzene
 Concen: 5.151 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU041465.D
 Acq: 04 Dec 2020 11:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV05

Tot Ion:180 Resp: 38403
 Ion Ratio Lower Upper
 180 100
 182 93.4 76.3 114.5
 184 30.5 23.8 35.6
 145 32.4 25.1 37.7

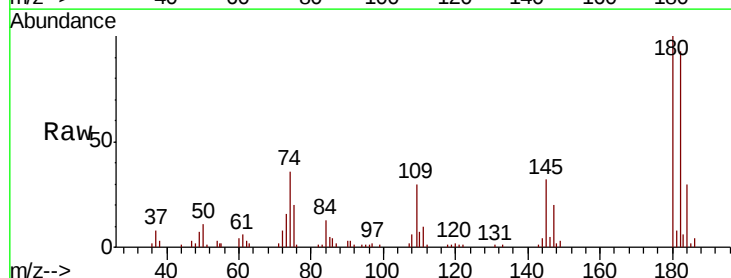


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

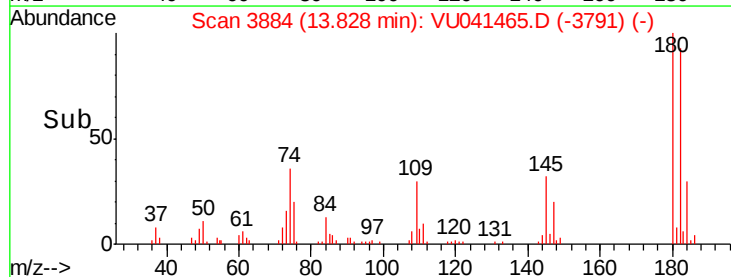
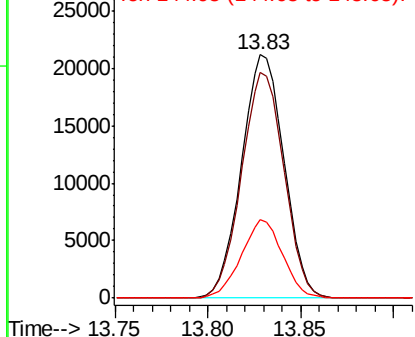


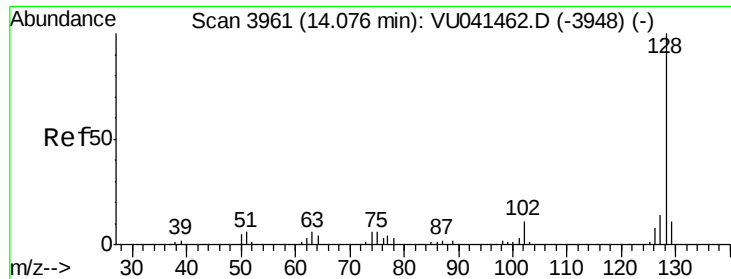
#68
 1,2,4-trichlorobenzene
 Concen: 5.642 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU041465.D
 Acq: 04 Dec 2020 11:47

Tgt Ion:180 Resp: 33671
 Ion Ratio Lower Upper
 180 100
 182 92.7 77.8 116.8
 145 31.3 26.4 39.6



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: 6.086 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU041465.D

Acq: 04 Dec 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

VICV05

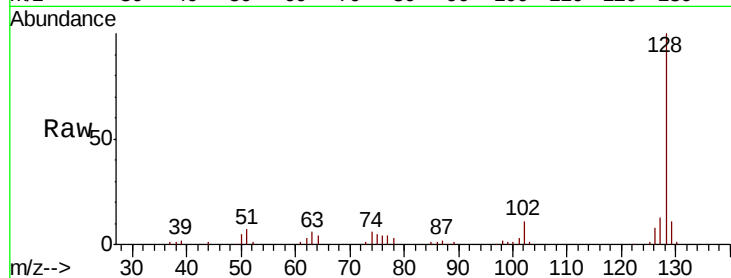
Tot Ion:128 Resp: 57075

Ion Ratio Lower Upper

128 100

129 10.5 8.6 12.8

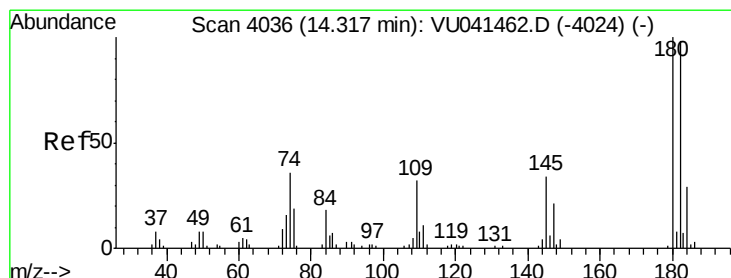
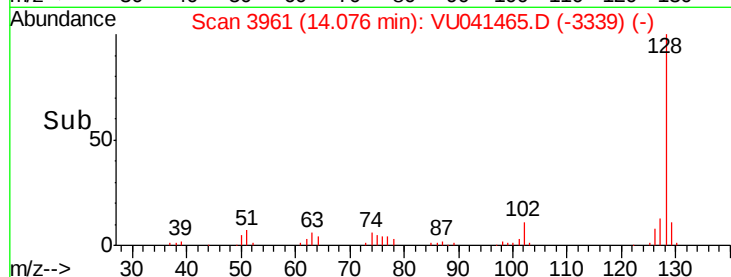
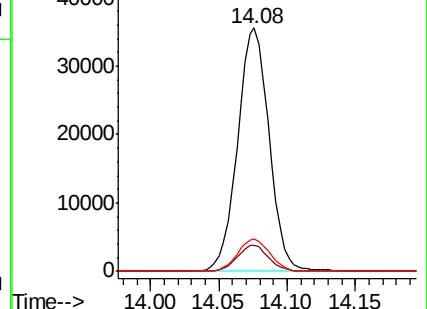
127 13.5 10.9 16.3



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: 5.659 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU041465.D

Acq: 04 Dec 2020 11:47

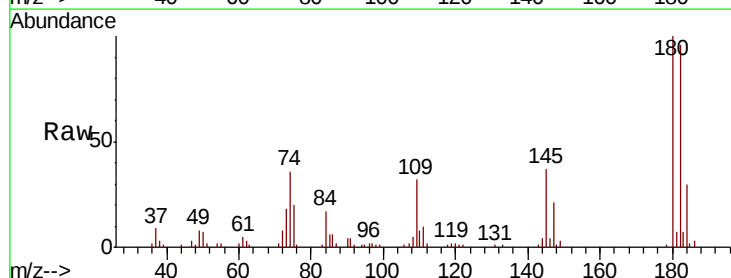
Tgt Ion:180 Resp: 29892

Ion Ratio Lower Upper

180 100

182 98.6 79.1 118.7

145 37.0 27.8 41.8



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

