

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092920\
 Data File : VU040352.D
 Acq On : 29 Sep 2020 12:04
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV03

Quant Time: Sep 30 01:50:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Sep 30 01:43:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	151339	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	147806	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	79068	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	34299	4.58	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.60%
7) Chloroethane-d5	1.92	69	29842	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.00%
11) 1,1-Dichloroethene-d2	2.58	63	85676	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.20%
20) 2-Butanone-d5	4.65	46	178122	47.86	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.72%
24) Chloroform-d	5.08	84	85087	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
26) 1,2-Dichloroethane-d4	5.72	65	49195	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.60%
32) Benzene-d6	5.74	84	147756	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
36) 1,2-Dichloropropane-d6	6.70	67	52416	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.40%
41) Toluene-d8	7.90	98	127735	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
43) trans-1,3-Dichloropropene-	8.18	79	22354	5.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.80%
46) 2-Hexanone-d5	8.64	63	132311	50.71	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.42%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	49461	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	57383	4.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	72072	4.749	ug/L 100
3) Chloromethane	1.53	50	68705	4.616	ug/L 99
5) Vinyl chloride	1.61	62	68537	4.685	ug/L 98
6) Bromomethane	1.86	94	34471	4.845	ug/L 99
8) Chloroethane	1.94	64	40331	4.652	ug/L 98
9) Trichlorofluoromethane	2.15	101	93208	4.619	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	59497	4.618	ug/L 99
12) 1,1-Dichloroethene	2.59	96	53447	4.637	ug/L 95
13) Acetone	2.65	43	142077	45.812	ug/L 100
14) Carbon disulfide	2.81	76	168668	4.630	ug/L 100
15) Methyl Acetate	2.96	43	33820	4.528	ug/L 98
16) Methylene chloride	3.06	84	63621	4.394	ug/L 95
17) Methyl tert-butyl Ether	3.38	73	149362	4.704	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	56228	4.718	ug/L 95
19) 1,1-Dichloroethane	3.89	63	113115	4.624	ug/L 99
21) 2-Butanone	4.73	43	243719	48.960	ug/L 98
22) cis-1,2-Dichloroethene	4.68	96	60846	4.615	ug/L 98

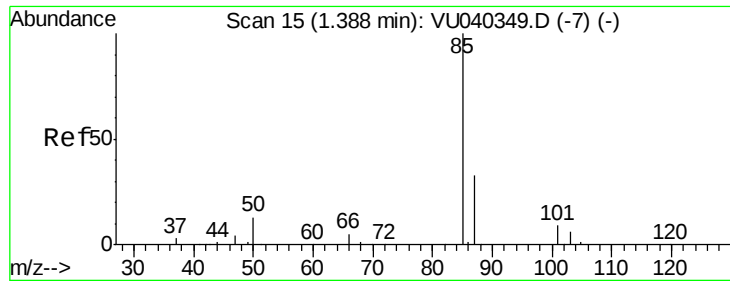
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092920\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	28351	4.697	ug/L	98
25) Chloroform	5.11	83	114673	4.596	ug/L	96
27) 1,2-Dichloroethane	5.81	62	79980	4.630	ug/L	97
29) 1,1,1-Trichloroethane	5.33	97	97794	4.843	ug/L	99
30) Cyclohexane	5.40	56	105165	5.035	ug/L	98
31) Carbon tetrachloride	5.54	117	83613	4.830	ug/L	99
33) Benzene	5.79	78	243196	4.908	ug/L	100
34) Trichloroethene	6.55	95	63837	4.852	ug/L	96
35) Methylcyclohexane	6.77	83	98207	5.090	ug/L	98
37) 1,2-Dichloropropane	6.80	63	65529	4.748	ug/L	100
38) Bromodichloromethane	7.11	83	82381	4.834	ug/L	96
39) cis-1,3-Dichloropropene	7.61	75	92259	4.984	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	538995	49.874	ug/L	99
42) Toluene	7.97	91	252054	4.960	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	84467	4.950	ug/L	96
45) 1,1,2-Trichloroethane	8.40	97	46613	4.818	ug/L	97
47) Tetrachloroethene	8.56	164	46249	4.951	ug/L	96
48) 2-Hexanone	8.69	43	411677	51.695	ug/L	98
49) Dibromochloromethane	8.81	129	56590	5.029	ug/L	99
50) 1,2-Dibromoethane	8.92	107	45322	4.884	ug/L	94
51) Chlorobenzene	9.45	112	162406	4.943	ug/L	98
52) Ethylbenzene	9.57	91	282096	5.116	ug/L	99
53) m,p-Xylene	9.69	106	104026	5.064	ug/L	95
54) o-Xylene	10.10	106	99495	5.148	ug/L	96
55) Styrene	10.11	104	177778	5.274	ug/L	98
56) Isopropylbenzene	10.48	105	276945	5.311	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	61862	4.718	ug/L	97
59) 1,2,3-Trichloropropane	10.82	75	47629	4.761	ug/L	99
61) Bromoform	10.29	173	30813	4.715	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	132327	5.055	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	135009	4.958	ug/L	98
65) 1,2-Dichlorobenzene	12.20	146	125258	4.922	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	10342	4.509	ug/L	95
67) 1,3,5-Trichlorobenzene	13.21	180	94413	5.052	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	78502	5.228	ug/L	99
69) Naphthalene	14.08	128	141832	5.527	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	73734	5.366	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.749 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040352.D

Acq: 29 Sep 2020 12:04

Instrument :

MSVOA_U

ClientSampleId :

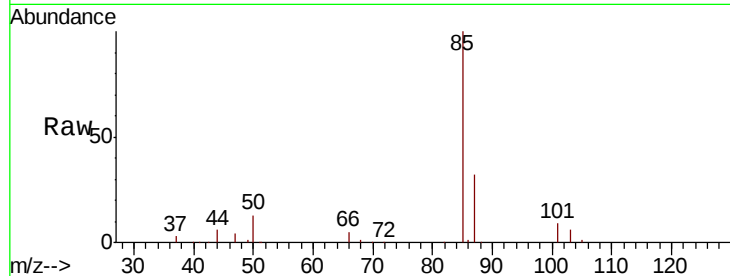
VICV03

Tot Ion: 85 Resp: 72072

Ion Ratio Lower Upper

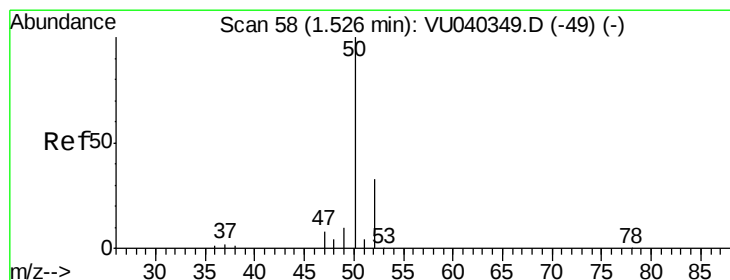
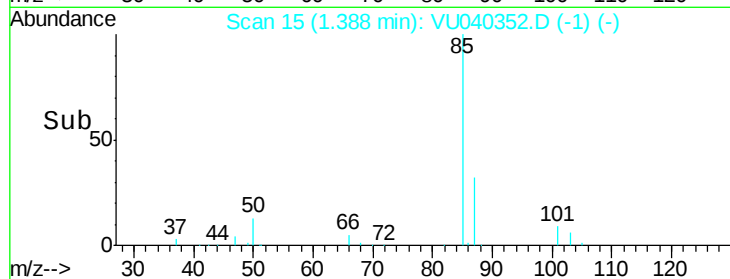
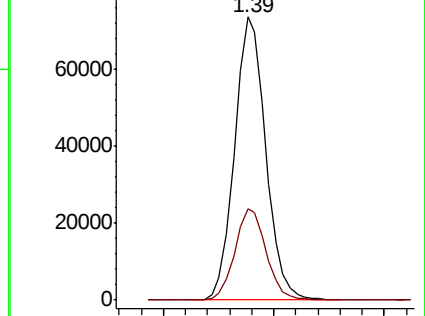
85 100

87 32.3 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.616 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040352.D

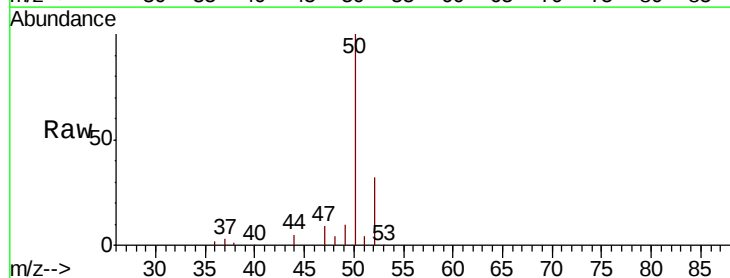
Acq: 29 Sep 2020 12:04

Tgt Ion: 50 Resp: 68705

Ion Ratio Lower Upper

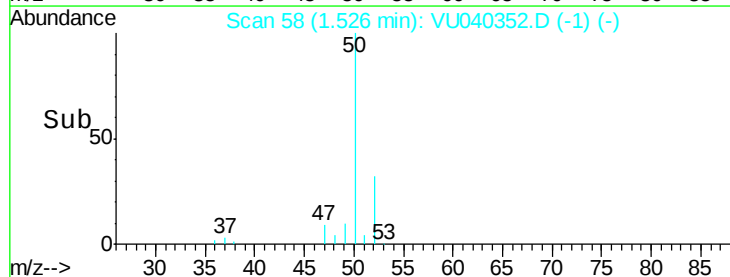
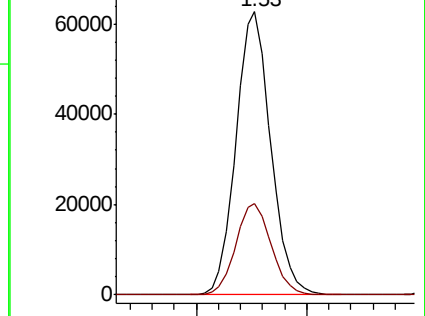
50 100

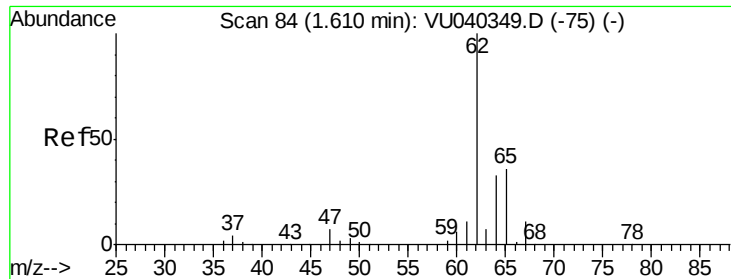
52 32.3 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.685 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040352.D

Acq: 29 Sep 2020 12:04

Instrument :

MSVOA_U

ClientSampled :

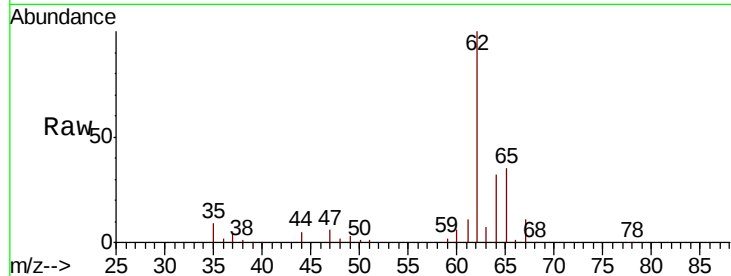
VICV03

Tot Ion: 62 Resp: 68537

Ion Ratio Lower Upper

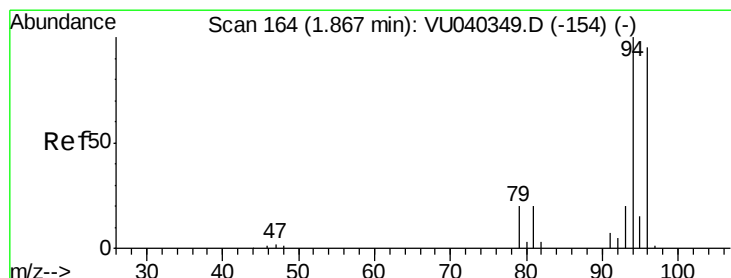
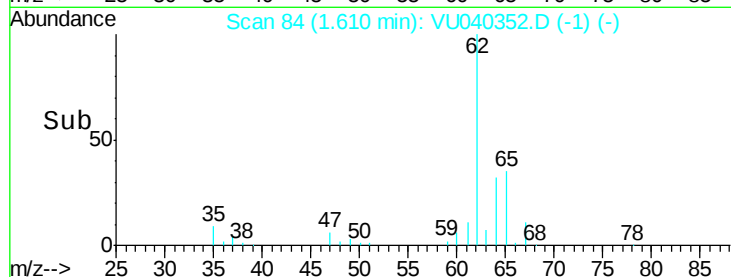
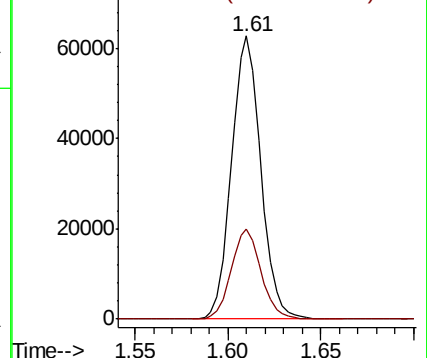
62 100

64 32.0 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.845 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU040352.D

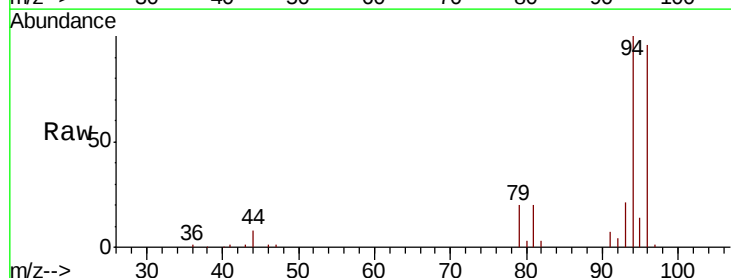
Acq: 29 Sep 2020 12:04

Tgt Ion: 94 Resp: 34471

Ion Ratio Lower Upper

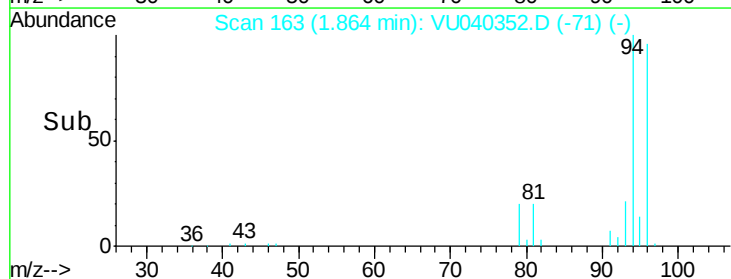
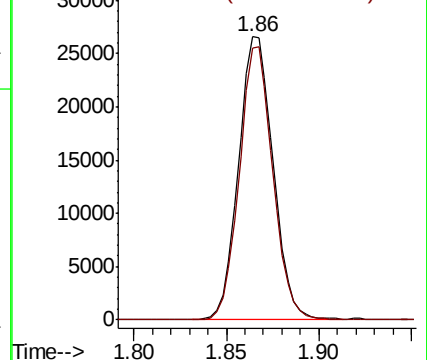
94 100

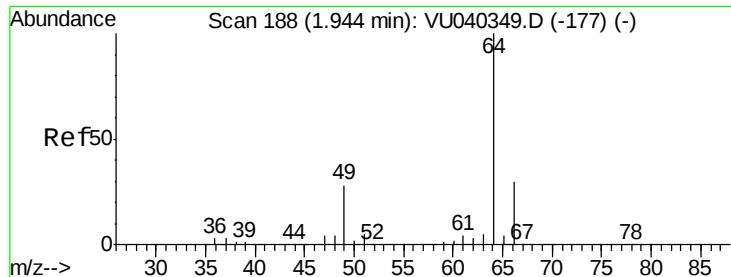
96 96.1 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

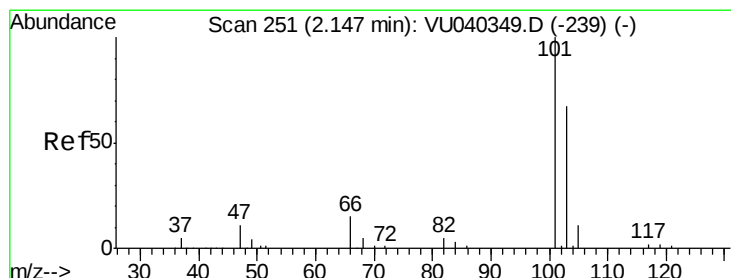
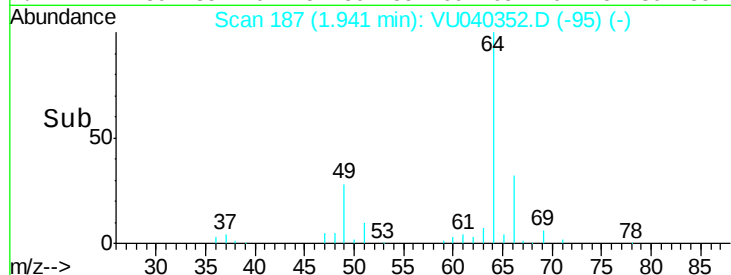
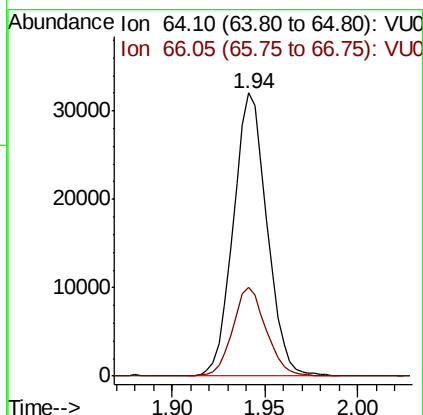
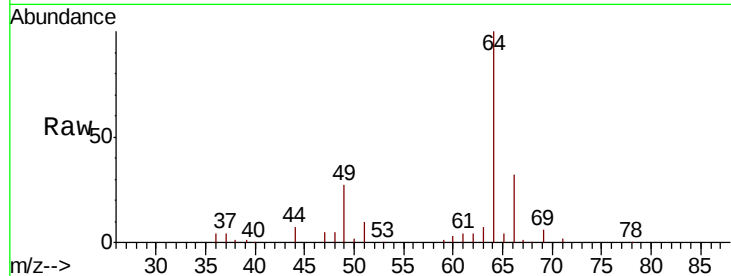




#8
Chloroethane
Concen: 4.652 ug/L
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU040352.D
Acq: 29 Sep 2020 12:04

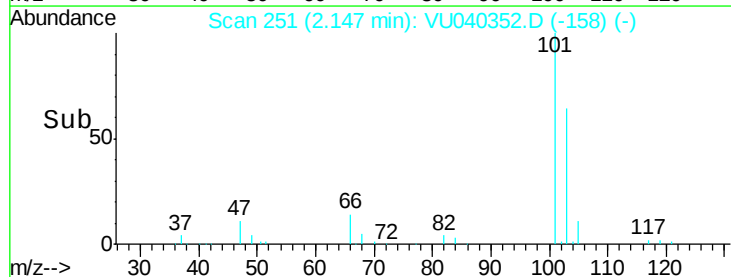
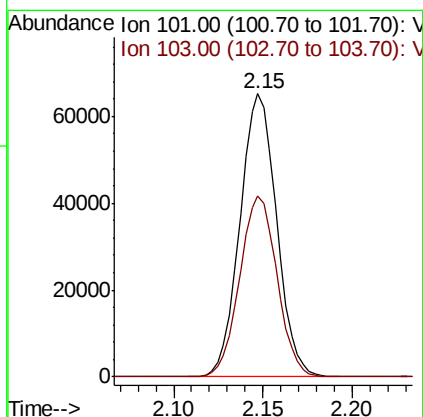
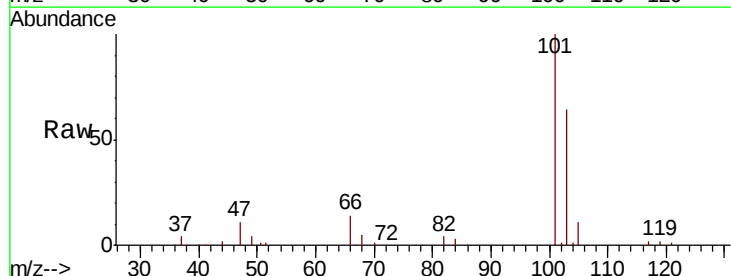
Instrument :
MSVOA_U
ClientSampleId :
VICV03

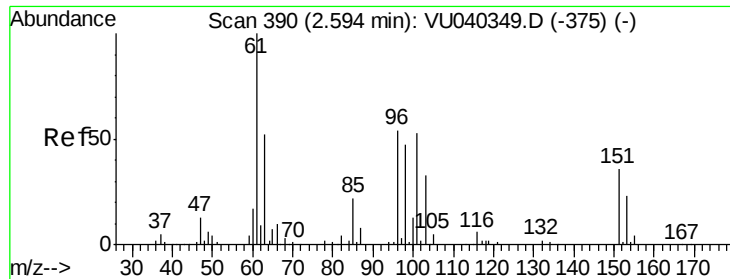
Tot Ion: 64 Resp: 40331
Ion Ratio Lower Upper
64 100
66 31.6 21.3 39.6



#9
Trichlorofluoromethane
Concen: 4.619 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU040352.D
Acq: 29 Sep 2020 12:04

Tgt Ion: 101 Resp: 93208
Ion Ratio Lower Upper
101 100
103 65.1 52.6 79.0





#10

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

Concen: 4.618 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040352.D

Acq: 29 Sep 2020 12:04

Instrument :

MSVOA_U

ClientSampleId :

VICV03

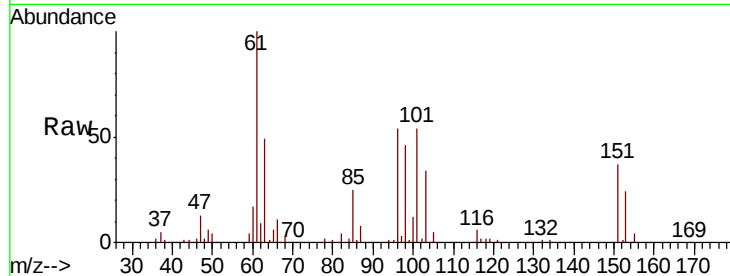
Tot Ion:101 Resp: 59497

Ion Ratio Lower Upper

101 100

85 45.3 35.0 52.6

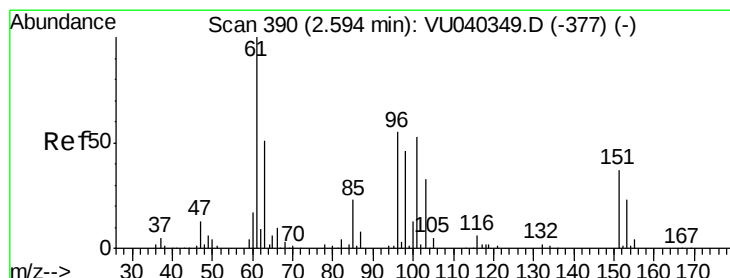
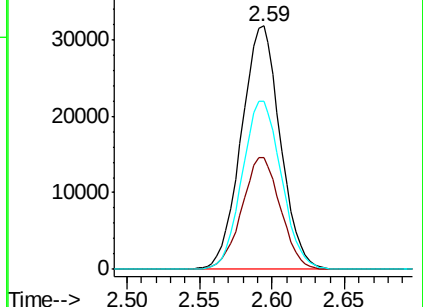
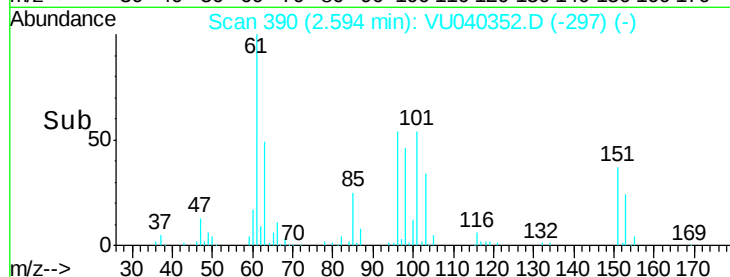
151 69.5 55.4 83.2



Abundance Ion 101.00 (100.70 to 101.70): VU040352.D (-297) (-)

Ion 85.00 (84.70 to 85.70): VU040352.D (-297) (-)

Ion 151.00 (150.70 to 151.70): VU040352.D (-297) (-)



#12

1,1-Dichloroethene

Concen: 4.637 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040352.D

Acq: 29 Sep 2020 12:04

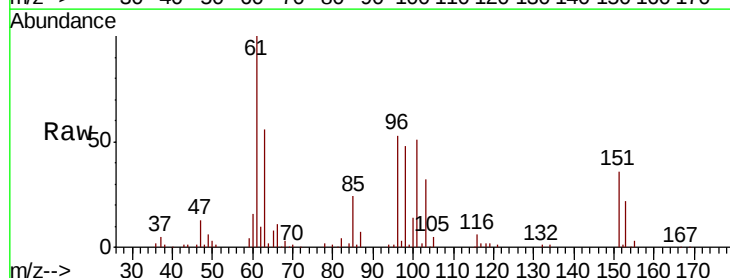
Tgt Ion: 96 Resp: 53447

Ion Ratio Lower Upper

96 100

61 187.5 128.6 238.8

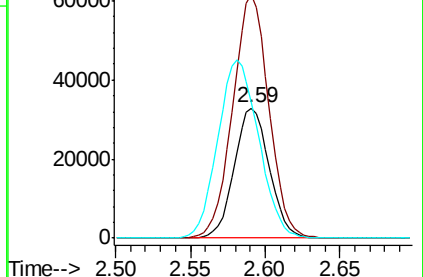
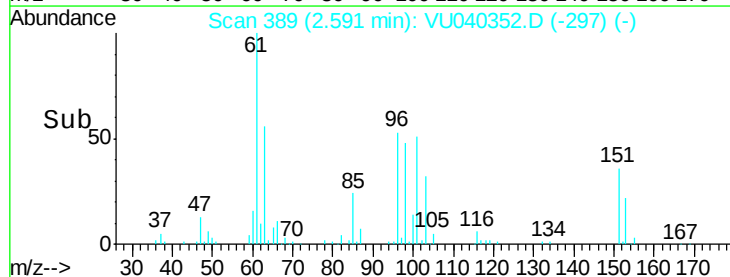
63 105.0 67.8 126.0

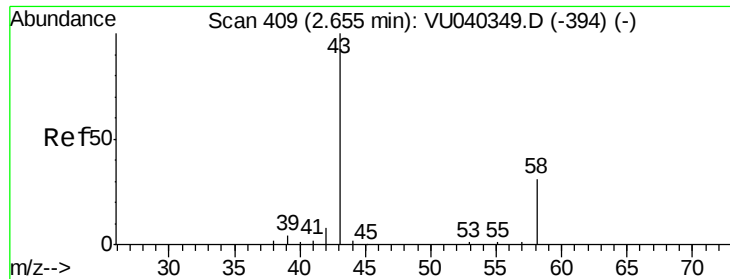


Abundance Ion 96.00 (95.70 to 96.70): VU040352.D (-297) (-)

Ion 61.05 (60.75 to 61.75): VU040352.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VU040352.D (-297) (-)





#13

Acetone

Concen: 45.812 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.00 min

Lab File: VU040352.D

Acq: 29 Sep 2020 12:04

Instrument :

MSVOA_U

ClientSampleId :

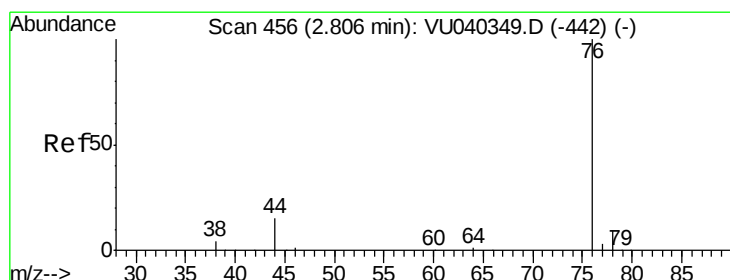
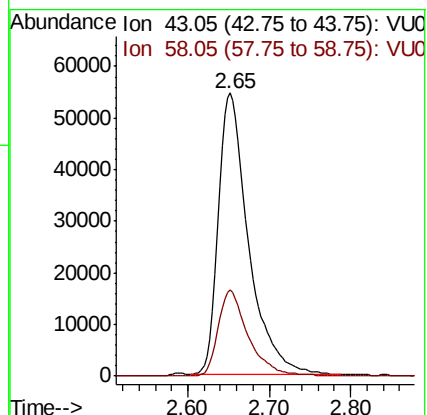
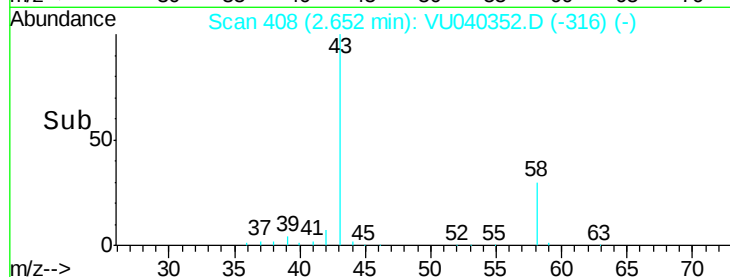
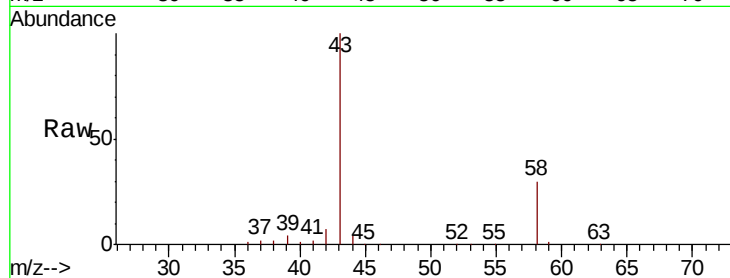
VICV03

Tot Ion: 43 Resp: 142077

Ion Ratio Lower Upper

43 100

58 30.7 0.0 61.8



#14

Carbon disulfide

Concen: 4.630 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040352.D

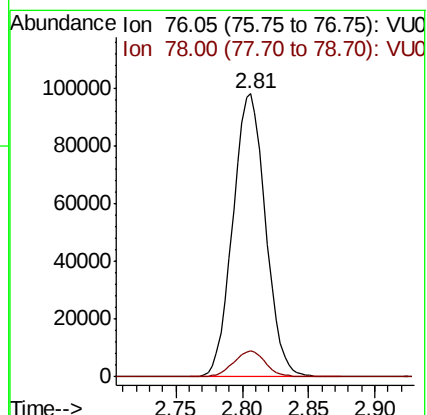
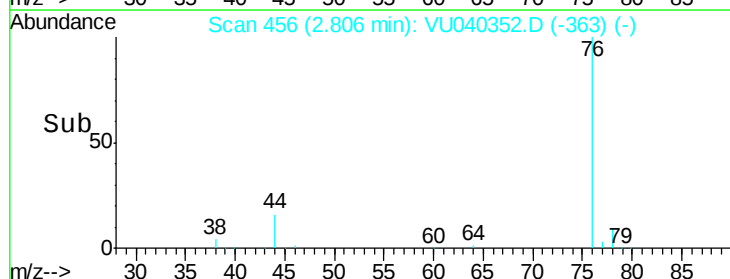
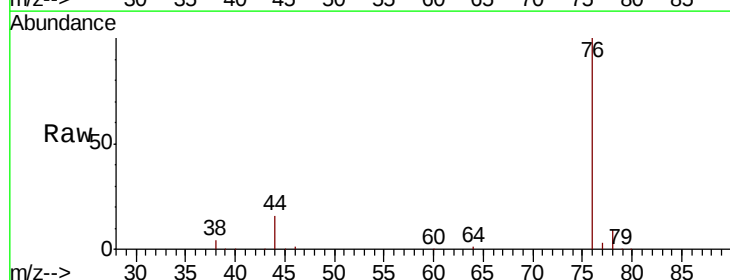
Acq: 29 Sep 2020 12:04

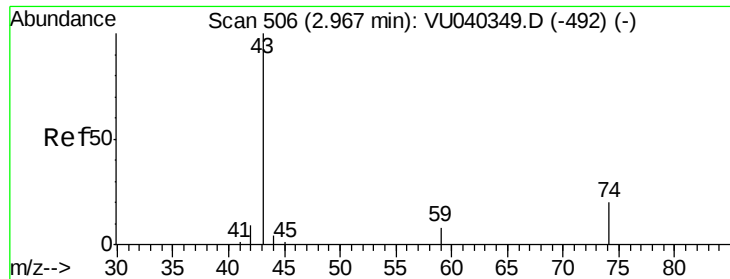
Tgt Ion: 76 Resp: 168668

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

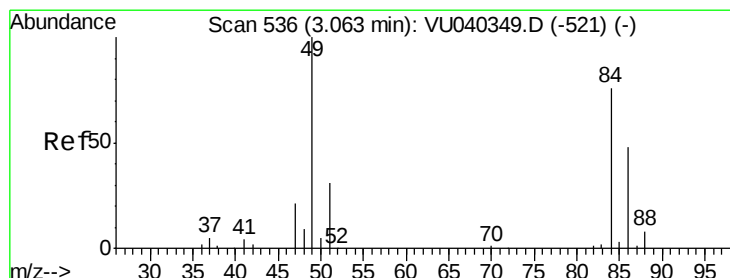
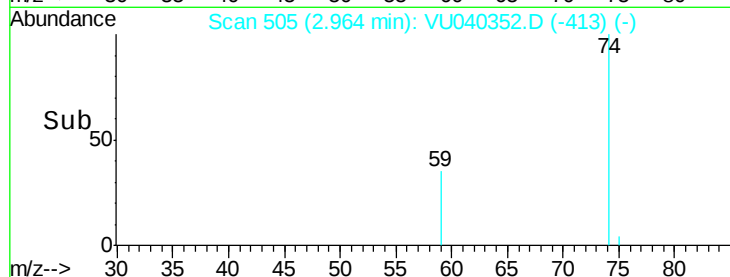
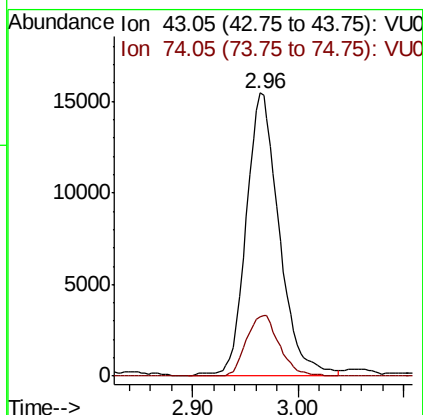
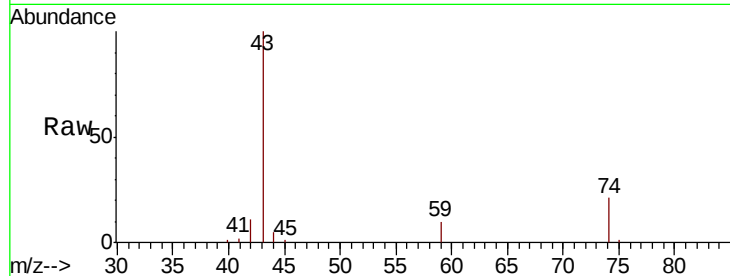




#15
Methyl Acetate
Concen: 4.528 ug/L
RT: 2.96 min Scan# 505
Delta R.T. -0.00 min
Lab File: VU040352.D
Acq: 29 Sep 2020 12:04

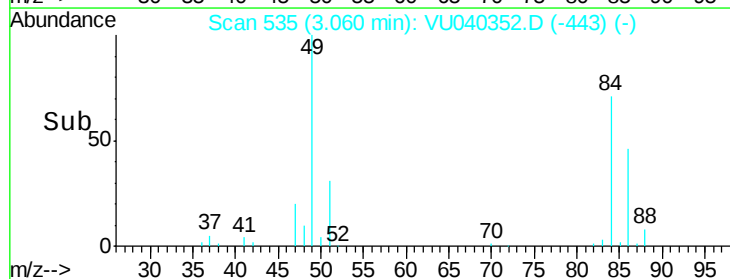
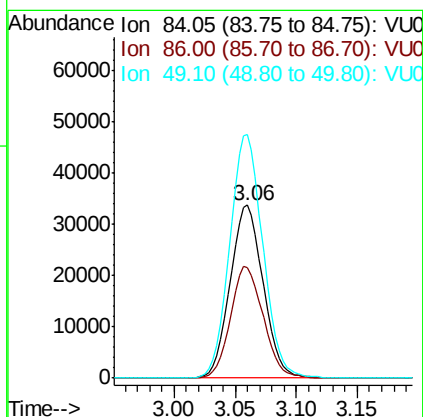
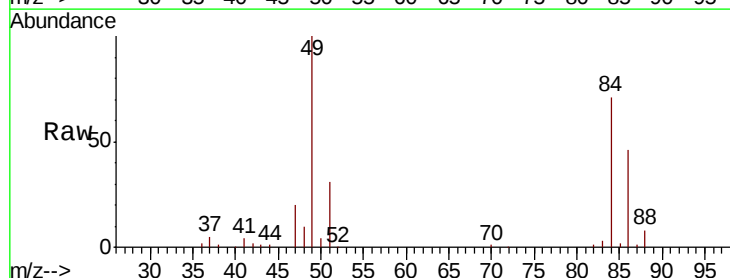
Instrument :
MSVOA_U
ClientSampleId :
VICV03

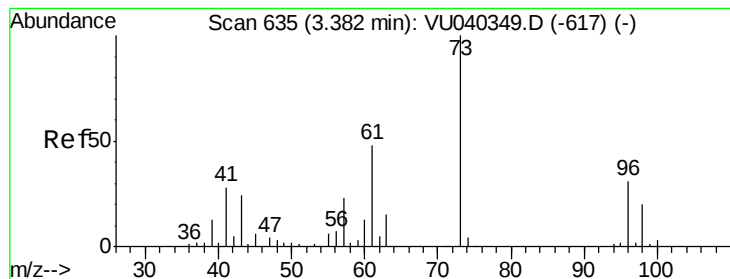
Tot Ion: 43 Resp: 33820
Ion Ratio Lower Upper
43 100
74 21.3 16.3 24.5



#16
Methylene chloride
Concen: 4.394 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU040352.D
Acq: 29 Sep 2020 12:04

Tgt Ion: 84 Resp: 63621
Ion Ratio Lower Upper
84 100
86 64.1 44.4 82.5
49 140.7 92.2 171.2



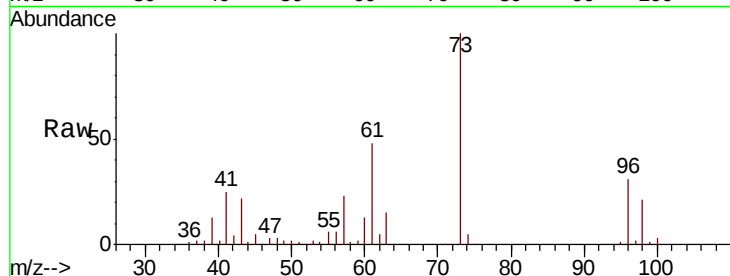


#17

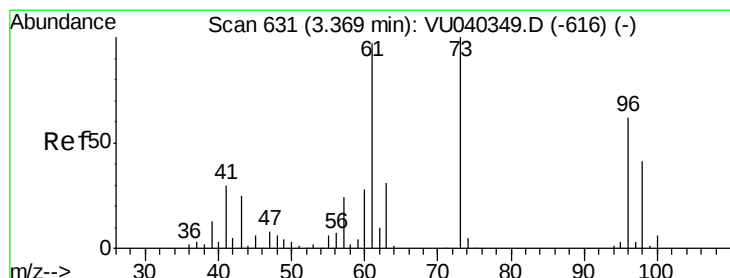
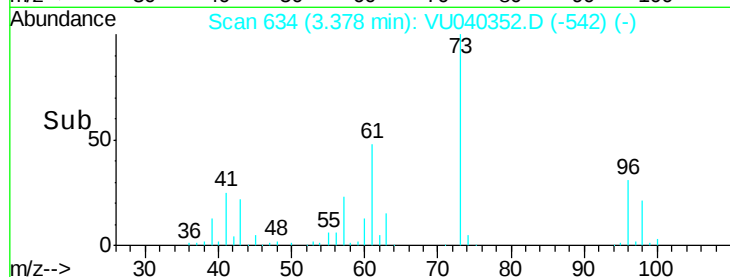
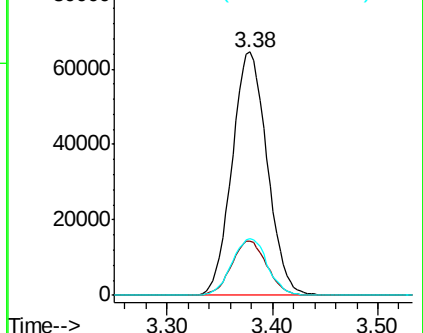
Methvl tert-butvl Ether
 Concen: 4.704 ug/L
 RT: 3.38 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VU040352.D
 Acq: 29 Sep 2020 12:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV03

Tot Ion: 73 Resp: 149362
 Ion Ratio Lower Upper
 73 100
 43 22.5 19.0 28.4
 57 23.4 18.9 28.3



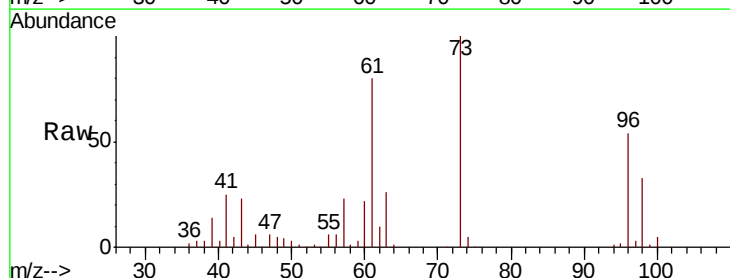
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



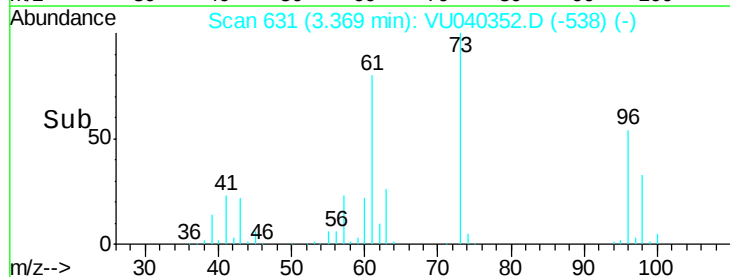
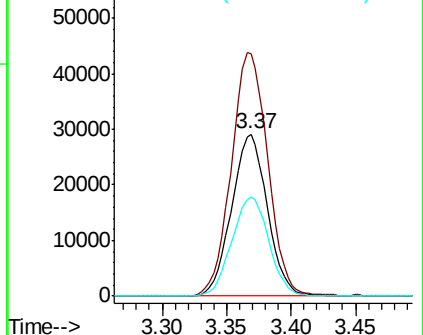
#18

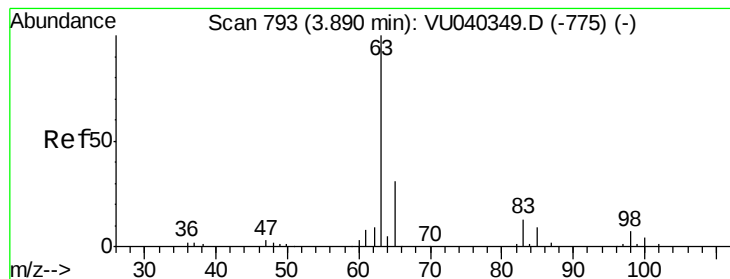
trans-1,2-Dichloroethene
 Concen: 4.718 ug/L
 RT: 3.37 min Scan# 631
 Delta R.T. -0.00 min
 Lab File: VU040352.D
 Acq: 29 Sep 2020 12:04

Tgt Ion: 96 Resp: 56228
 Ion Ratio Lower Upper
 96 100
 61 149.6 109.3 203.1
 98 61.1 45.8 85.0



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: 4.624 ug/L

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU040352.D

Acq: 29 Sep 2020 12:04

Instrument :

MSVOA_U

ClientSampleId :

VICV03

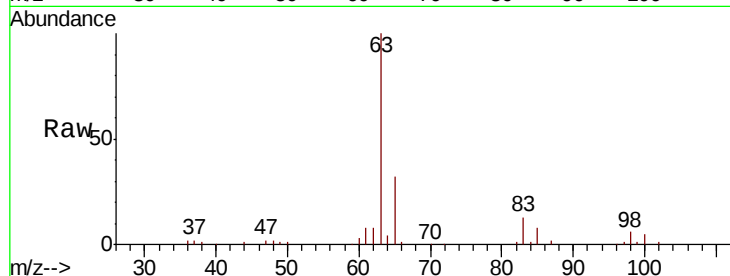
Tot Ion: 63 Resp: 113115

Ion Ratio Lower Upper

63 100

65 31.8 21.7 40.3

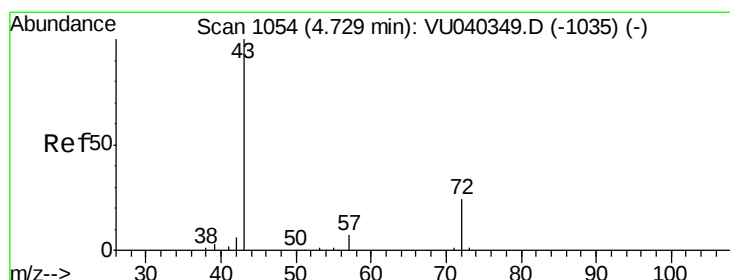
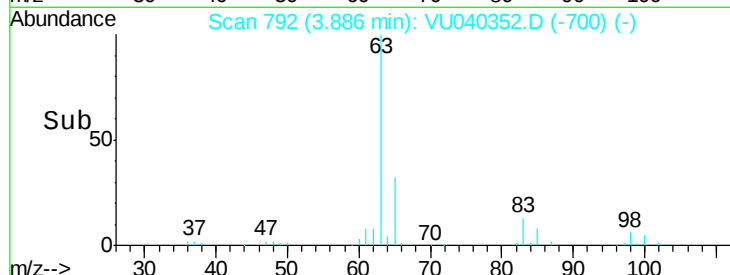
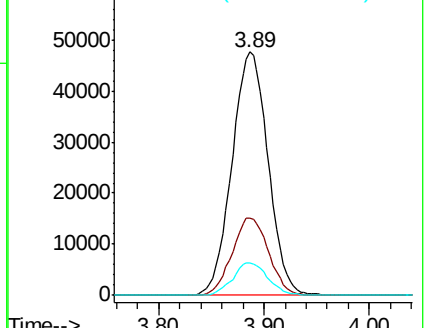
83 13.2 9.1 16.9



Abundance Ion 63.10 (62.80 to 63.80): VU040349.D (-775) (-)

Ion 65.10 (64.80 to 65.80): VU040349.D (-775) (-)

Ion 83.05 (82.75 to 83.75): VU040349.D (-775) (-)



#21

2-Butanone

Concen: 48.960 ug/L

RT: 4.73 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VU040352.D

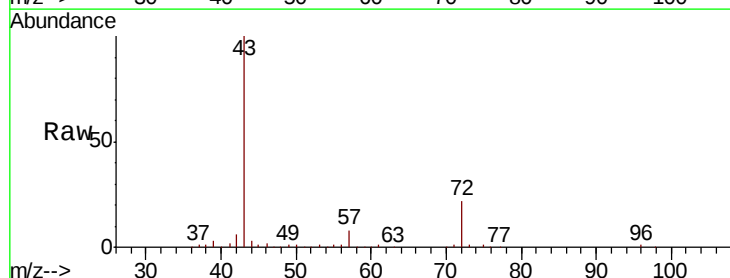
Acq: 29 Sep 2020 12:04

Tgt Ion: 43 Resp: 243719

Ion Ratio Lower Upper

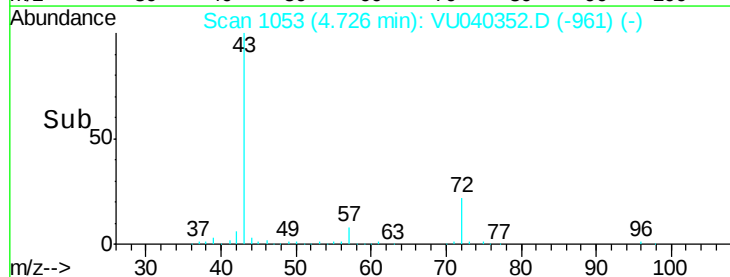
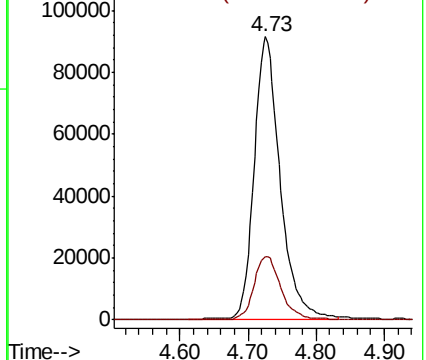
43 100

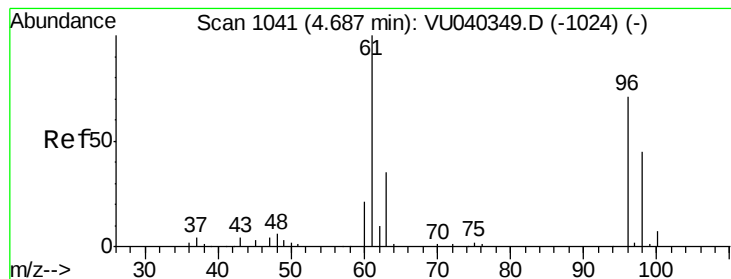
72 23.3 12.0 36.1



Abundance Ion 43.05 (42.75 to 43.75): VU040349.D (-1035) (-)

Ion 72.10 (71.80 to 72.80): VU040349.D (-1035) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.615 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU040352.D

Acq: 29 Sep 2020 12:04

Instrument :

MSVOA_U

ClientSampled :

VICV03

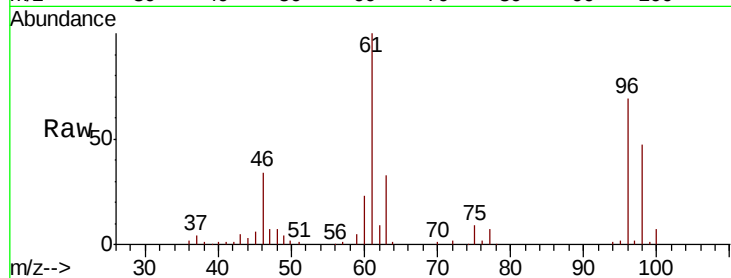
Tot Ion: 96 Resp: 60846

Ion Ratio Lower Upper

96 100

61 144.2 99.3 184.5

68 0.0 0.0 0.0

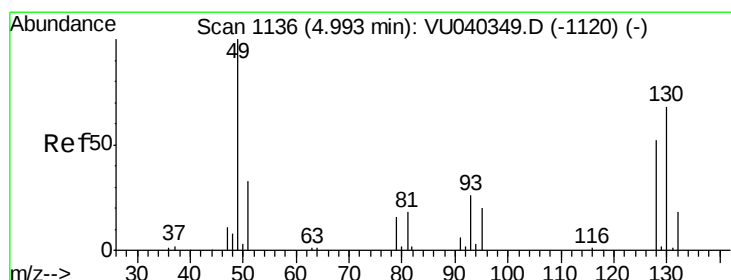
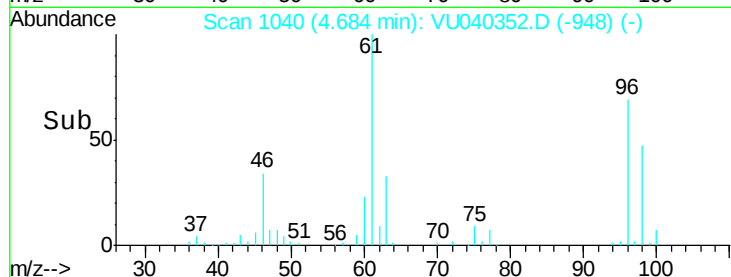
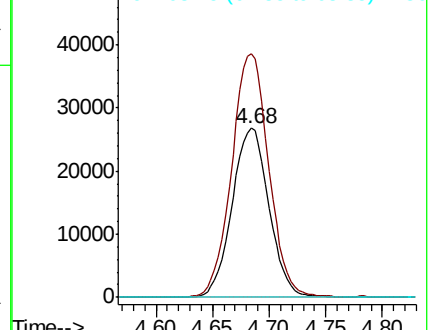


Abundance

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: 4.697 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VU040352.D

Acq: 29 Sep 2020 12:04

Tgt Ion: 128 Resp: 28351

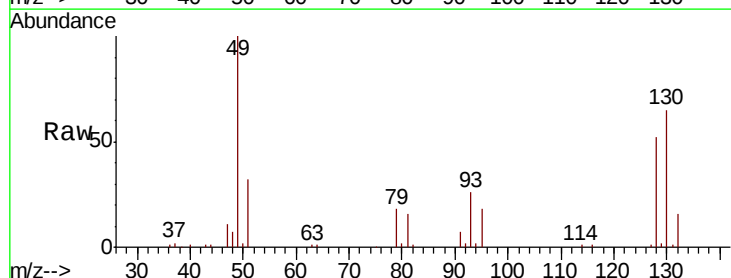
Ion Ratio Lower Upper

128 100

49 193.3 134.6 250.0

130 125.6 91.1 169.1

51 62.0 50.6 75.8



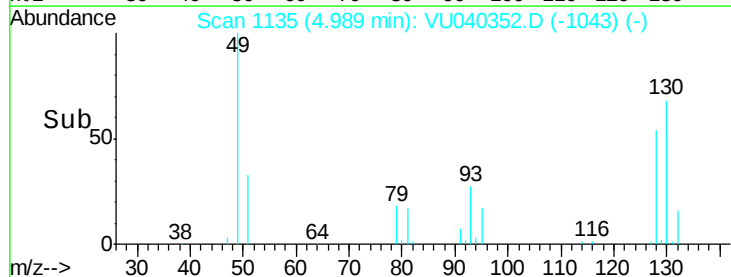
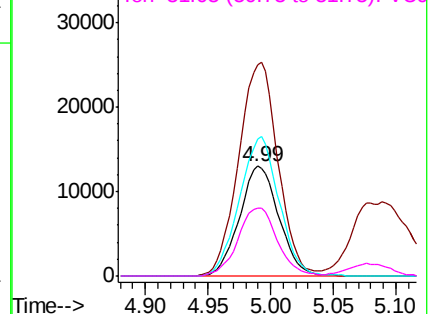
Abundance

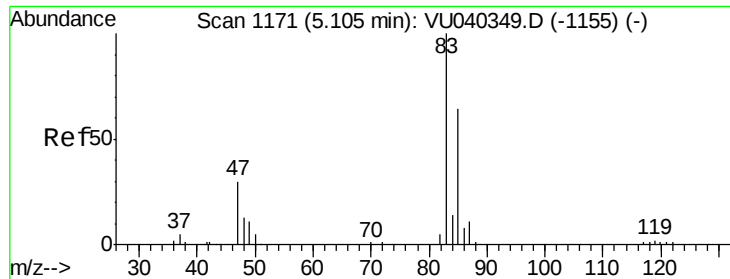
Ion 127.90 (127.60 to 128.60): V

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

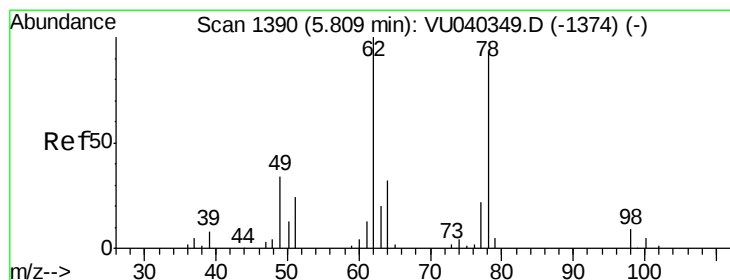
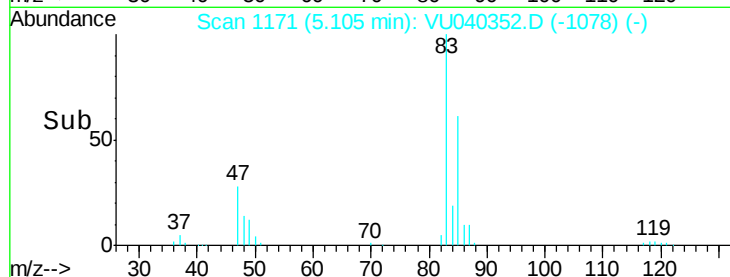
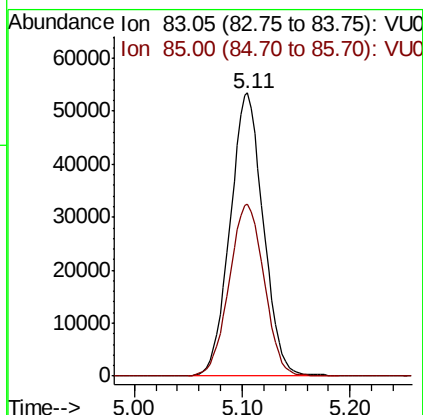
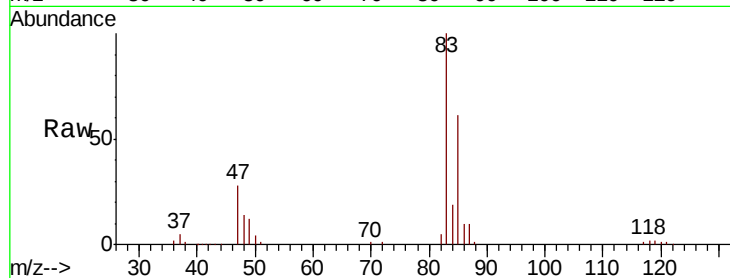




#25
Chloroform
Concen: 4.596 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040352.D
Acq: 29 Sep 2020 12:04

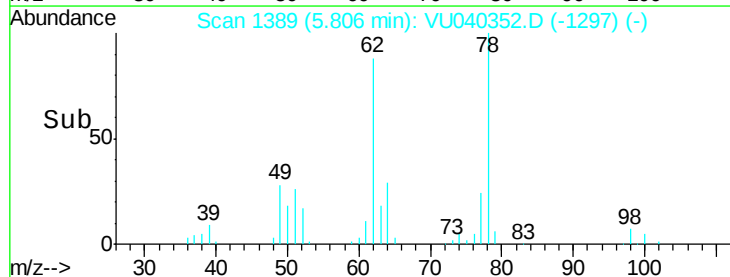
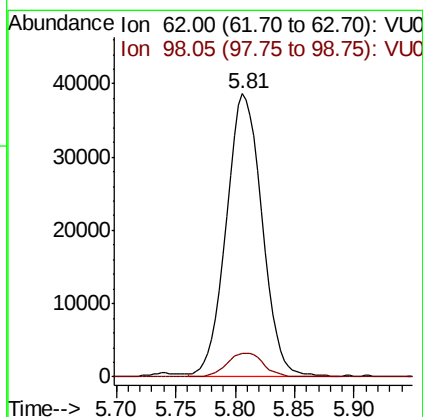
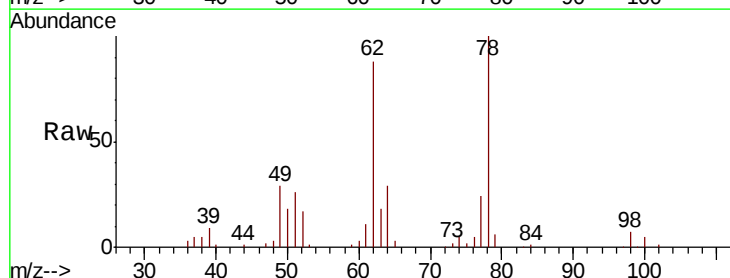
Instrument :
MSVOA_U
ClientSampleId :
VICV03

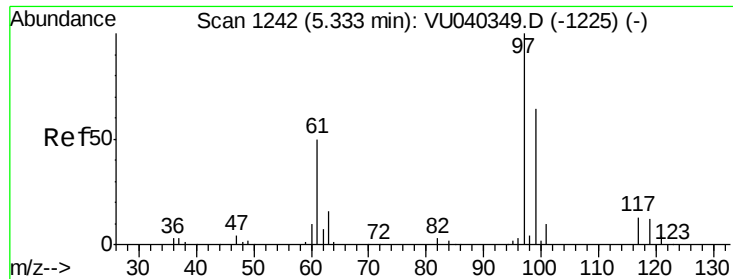
Tot Ion: 83 Resp: 114673
Ion Ratio Lower Upper
83 100
85 60.9 44.6 82.8



#27
1,2-Dichloroethane
Concen: 4.630 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU040352.D
Acq: 29 Sep 2020 12:04

Tgt Ion: 62 Resp: 79980
Ion Ratio Lower Upper
62 100
98 8.5 7.5 11.3

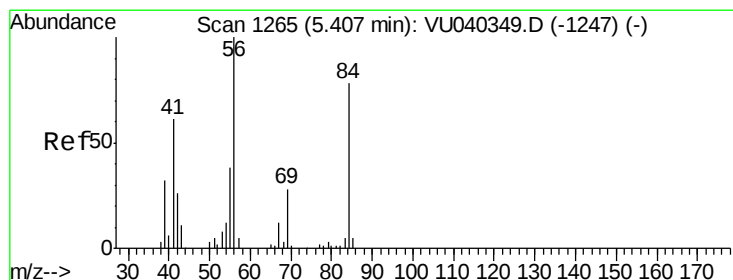
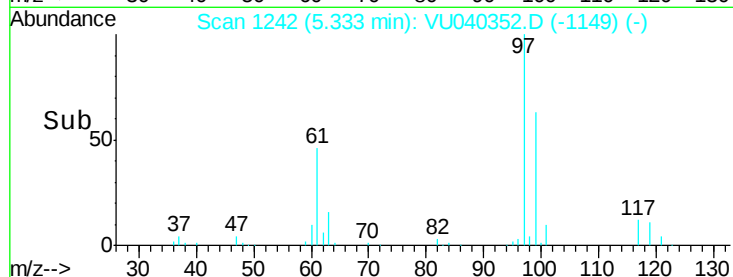
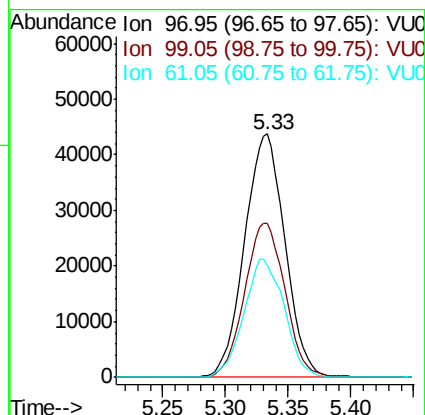
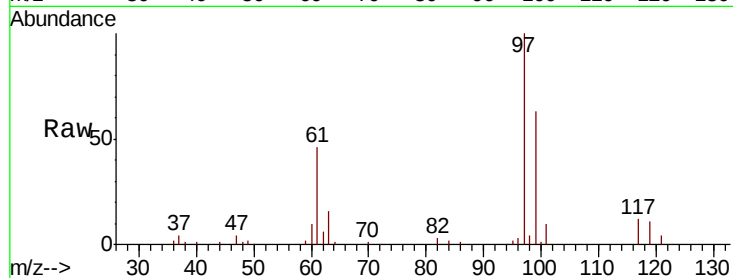




#29
 1,1,1-Trichloroethane
 Concen: 4.843 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VU040352.D
 Acq: 29 Sep 2020 12:04

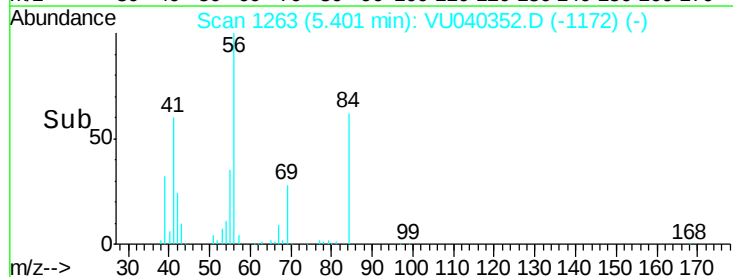
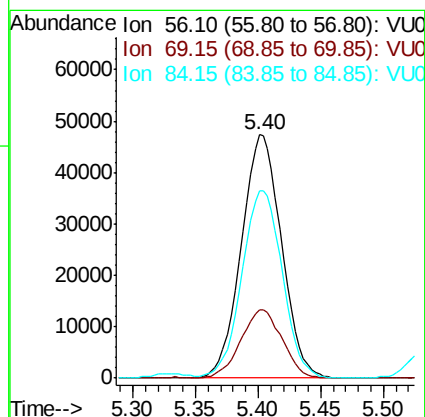
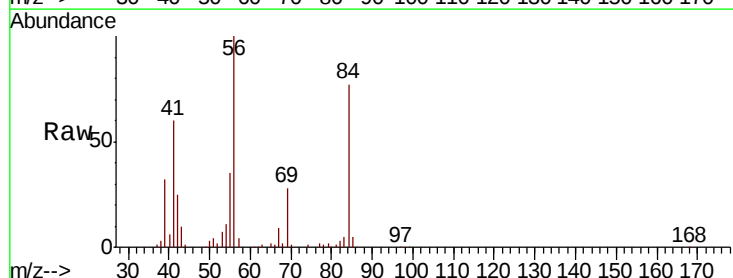
Instrument :
 MSVOA_U
 ClientSampled :
 VICV03

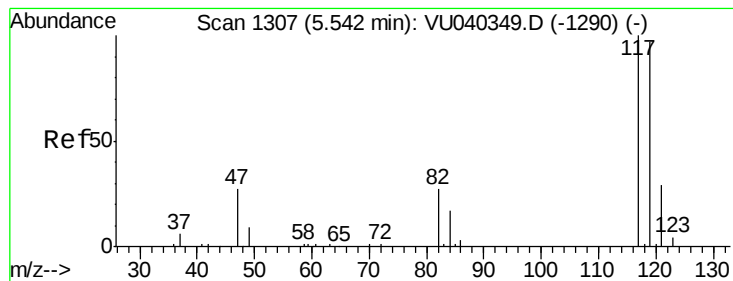
Tot Ion: 97 Resp: 97794
 Ion Ratio Lower Upper
 97 100
 99 63.4 50.7 76.1
 61 48.7 39.7 59.5



#30
 Cyclohexane
 Concen: 5.035 ug/L
 RT: 5.40 min Scan# 1263
 Delta R.T. -0.01 min
 Lab File: VU040352.D
 Acq: 29 Sep 2020 12:04

Tgt Ion: 56 Resp: 105165
 Ion Ratio Lower Upper
 56 100
 69 28.7 23.3 34.9
 84 77.6 64.2 96.4





#31

Carbon tetrachloride

Concen: 4.830 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU040352.D

Acq: 29 Sep 2020 12:04

Instrument :

MSVOA_U

ClientSampleId :

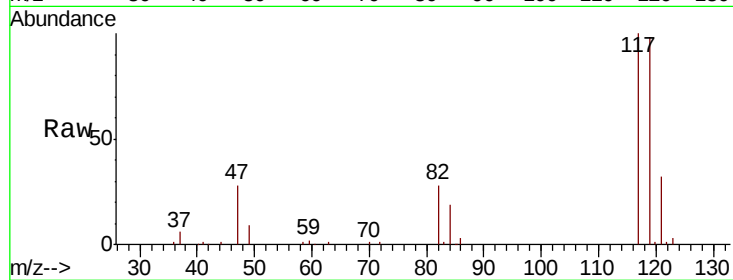
VICV03

Tot Ion:117 Resp: 83613

Ion Ratio Lower Upper

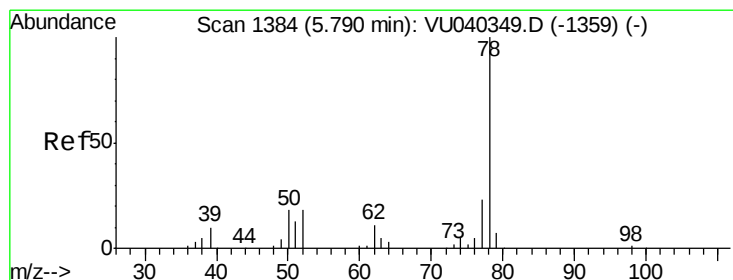
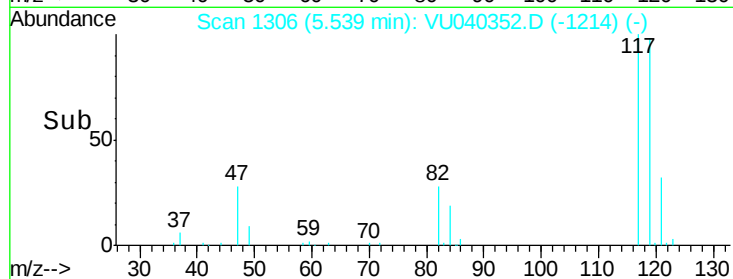
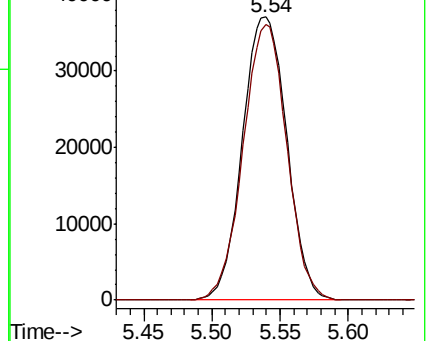
117 100

119 95.9 77.5 116.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.908 ug/L

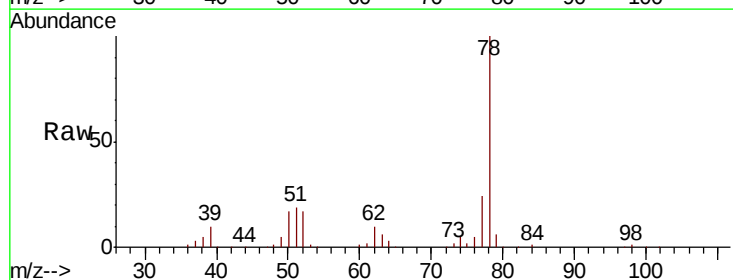
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

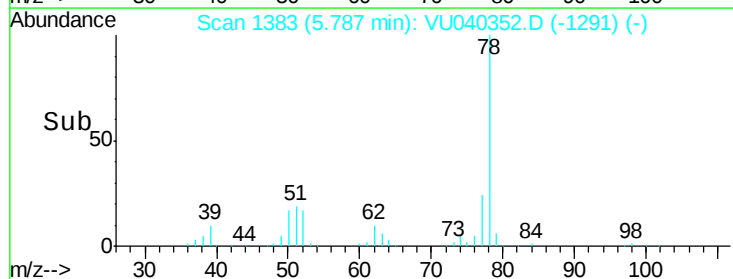
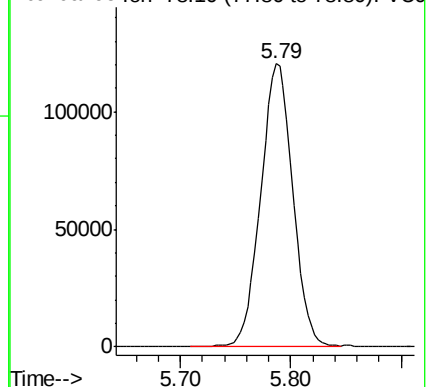
Lab File: VU040352.D

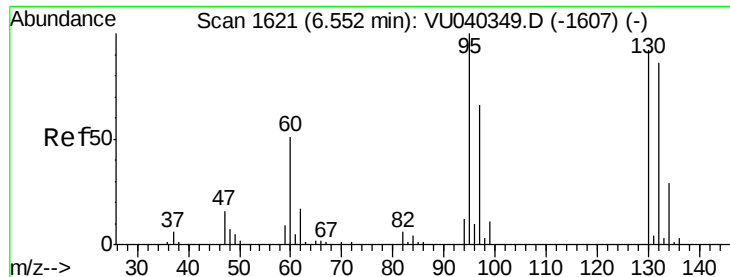
Acq: 29 Sep 2020 12:04

Tgt Ion: 78 Resp: 243196



Abundance Ion 78.10 (77.80 to 78.80): VU0

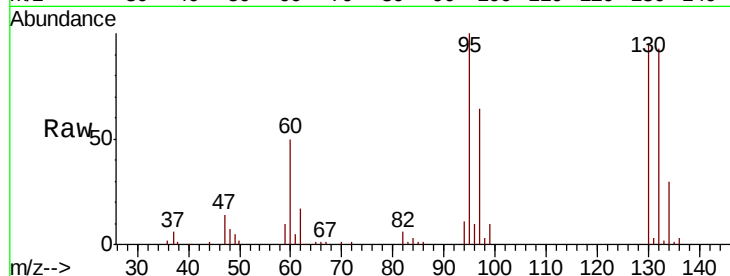




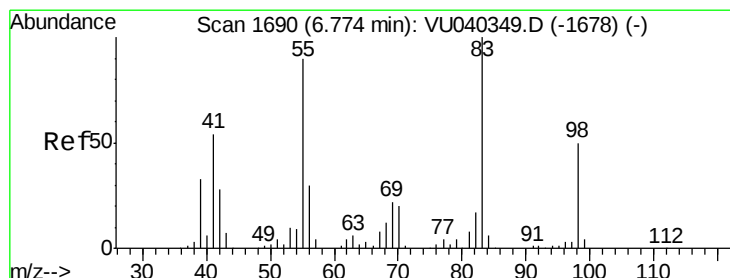
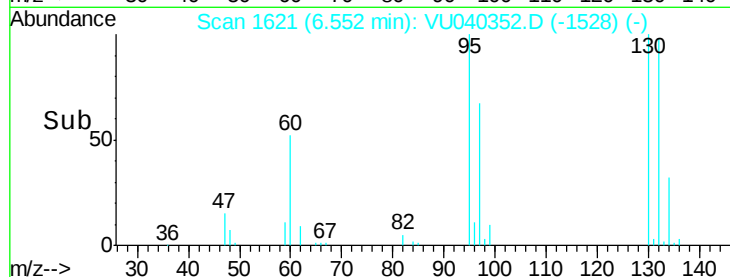
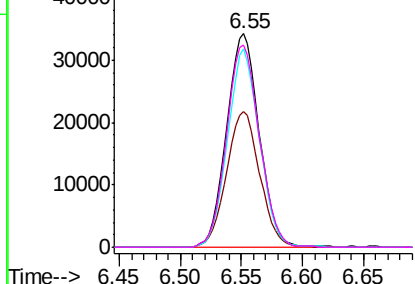
#34
 Trichloroethene
 Concen: 4.852 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040352.D
 Acq: 29 Sep 2020 12:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV03

Tot Ion:	95	Resp:	63837
Ion	Ratio	Lower	Upper
95	100		
97	63.7	46.3	85.9
132	92.8	60.5	112.3
130	94.6	64.3	119.3

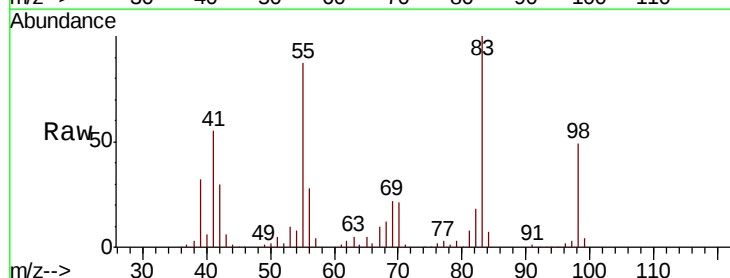


Abundance Ion 95.00 (94.70 to 95.70): VU040352.D (-1528) (-)
 Ion 96.95 (96.65 to 97.65): VU040352.D (-1528) (-)
 Ion 131.95 (131.65 to 132.65): VU040352.D (-1528) (-)
 Ion 129.95 (129.65 to 130.65): VU040352.D (-1528) (-)

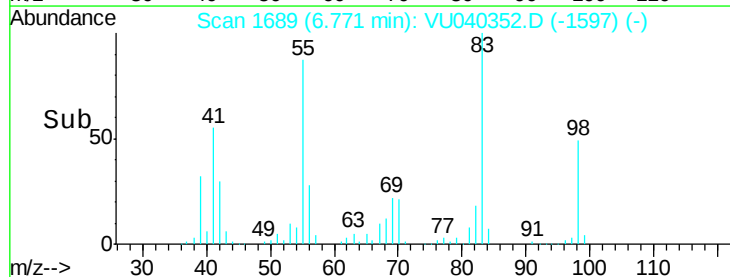
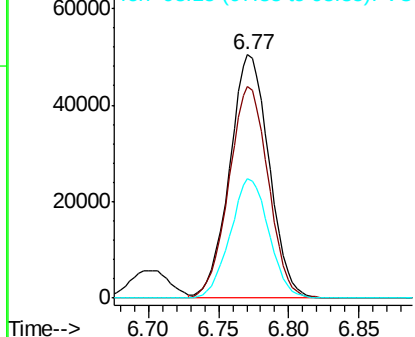


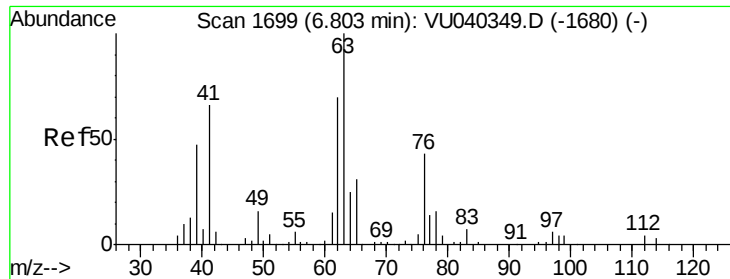
#35
 Methylcyclohexane
 Concen: 5.090 ug/L
 RT: 6.77 min Scan# 1689
 Delta R.T. -0.00 min
 Lab File: VU040352.D
 Acq: 29 Sep 2020 12:04

Tgt Ion:	83	Resp:	98207
Ion	Ratio	Lower	Upper
83	100		
55	87.0	71.4	107.2
98	48.1	38.5	57.7



Abundance Ion 83.15 (82.85 to 83.85): VU040352.D (-1597) (-)
 Ion 55.10 (54.80 to 55.80): VU040352.D (-1597) (-)
 Ion 98.15 (97.85 to 98.85): VU040352.D (-1597) (-)

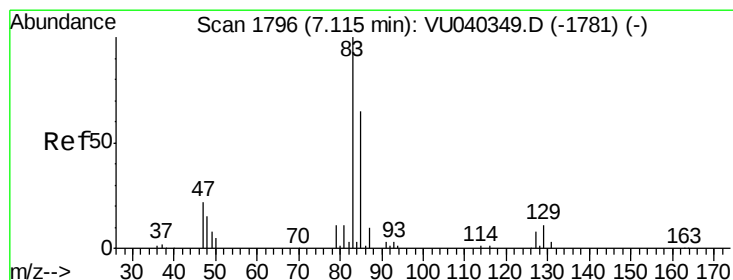
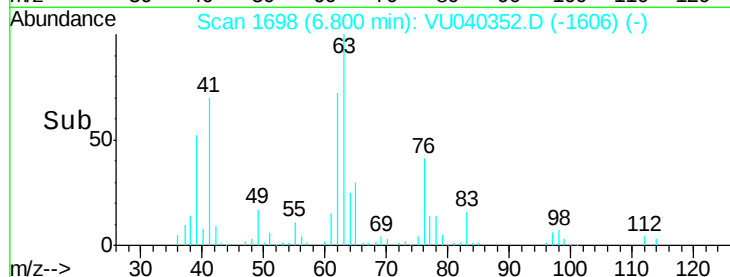
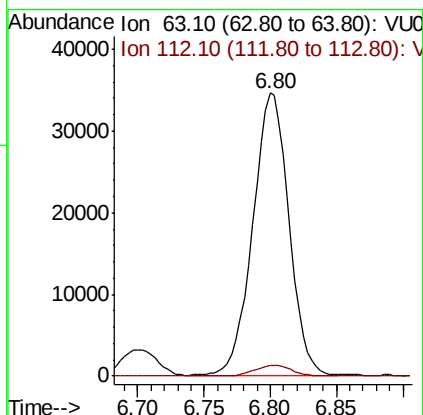
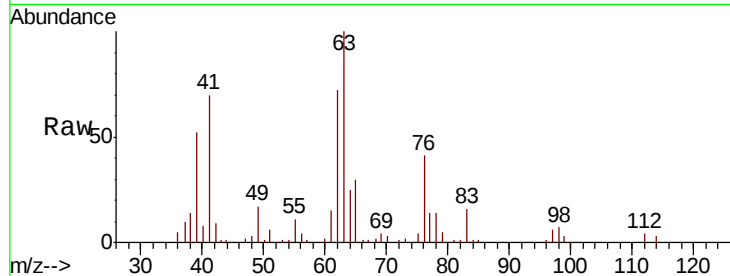




#37
 1,2-Dichloropropane
 Concen: 4.748 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU040352.D
 Acq: 29 Sep 2020 12:04

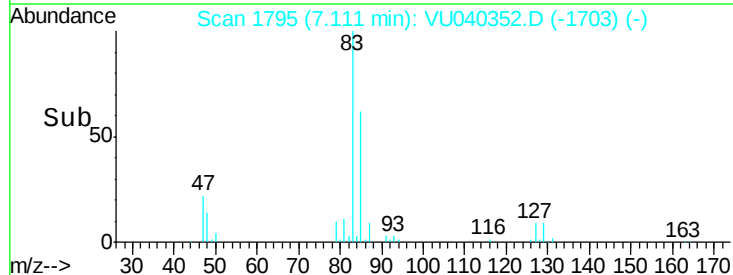
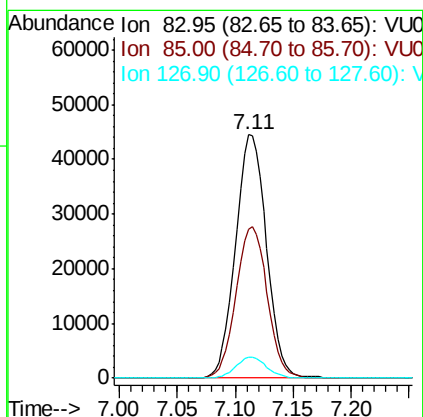
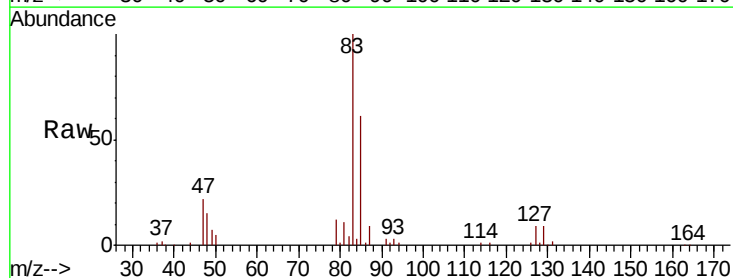
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV03

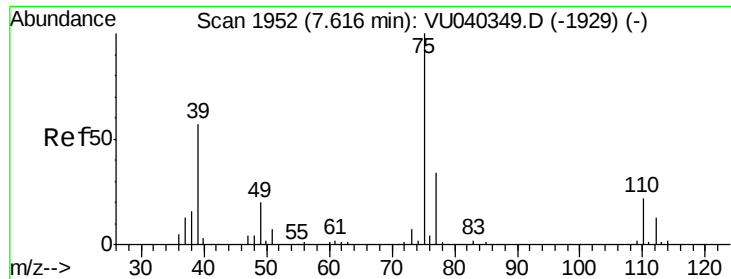
Tot Ion: 63 Resp: 65529
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.2 4.8



#38
 Bromodichloromethane
 Concen: 4.834 ug/L
 RT: 7.11 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VU040352.D
 Acq: 29 Sep 2020 12:04

Tgt Ion: 83 Resp: 82381
 Ion Ratio Lower Upper
 83 100
 85 61.2 45.1 83.9
 127 8.6 6.6 9.8

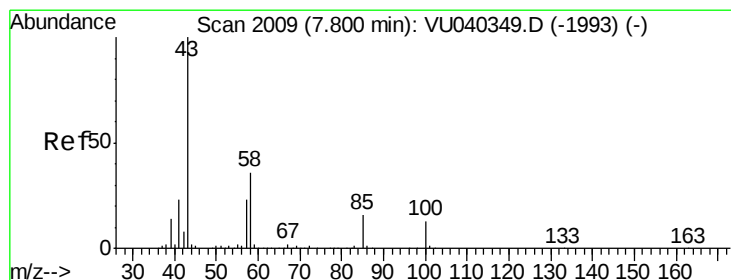
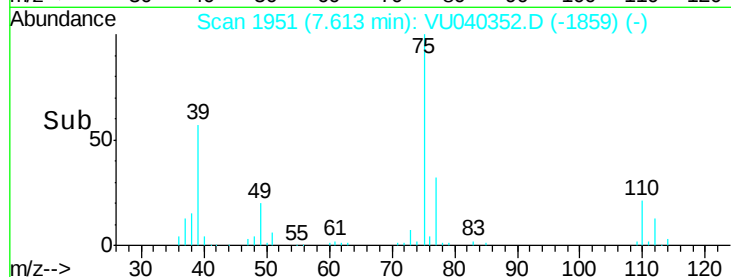
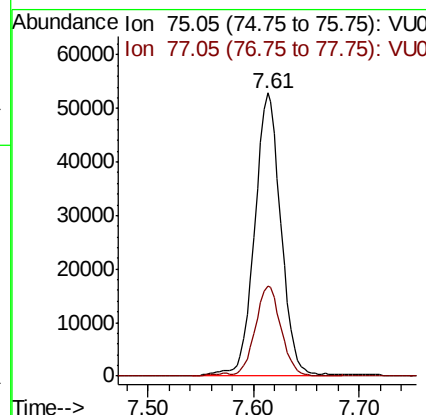
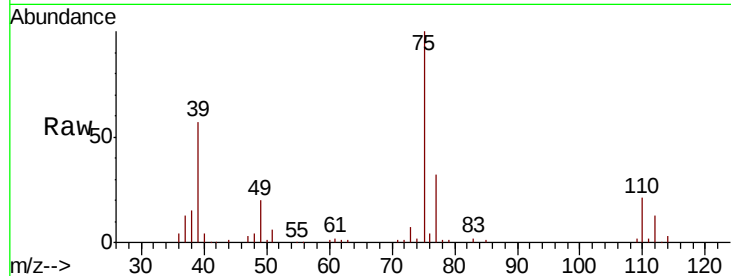




#39
 cis-1,3-Dichloropropene
 Concen: 4.984 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU040352.D
 Acq: 29 Sep 2020 12:04

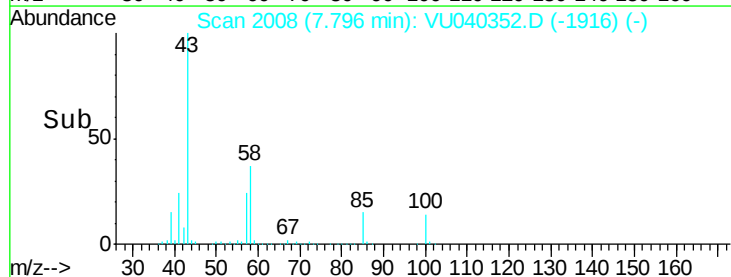
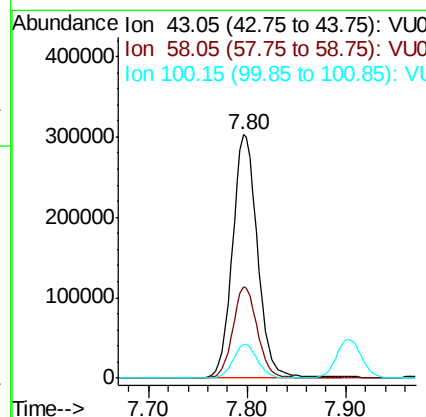
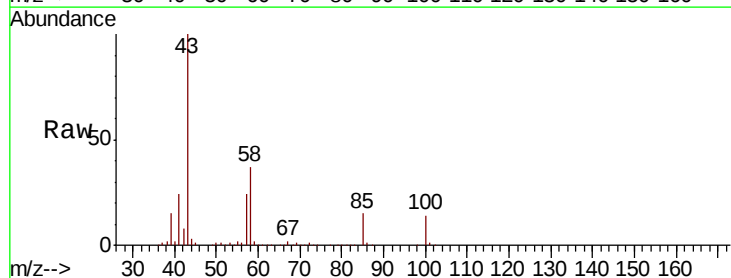
Instrument :
 MSVOA_U
 ClientSampled :
 VICV03

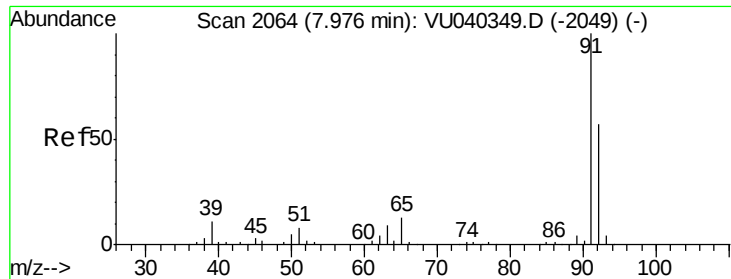
Tot Ion: 75 Resp: 92259
 Ion Ratio Lower Upper
 75 100
 77 32.0 23.5 43.7



#40
 4-Methyl-2-pentanone
 Concen: 49.874 ug/L
 RT: 7.80 min Scan# 2008
 Delta R.T. -0.00 min
 Lab File: VU040352.D
 Acq: 29 Sep 2020 12:04

Tgt Ion: 43 Resp: 538995
 Ion Ratio Lower Upper
 43 100
 58 36.8 29.2 43.8
 100 13.5 10.3 15.5





#42

Toluene

Concen: 4.960 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040352.D

Acq: 29 Sep 2020 12:04

Instrument :

MSVOA_U

ClientSampleId :

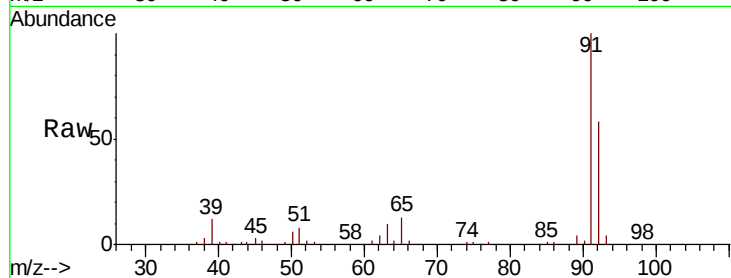
VICV03

Tot Ion: 91 Resp: 252054

Ion Ratio Lower Upper

91 100

92 57.7 40.0 74.4



Abundance Ion 91.15 (90.85 to 91.85): VU040349.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU040349.D (-2049) (-)

7.97

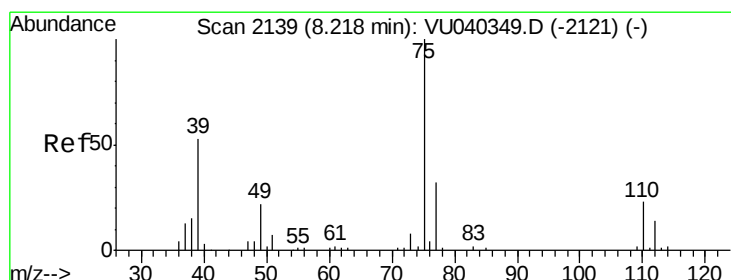
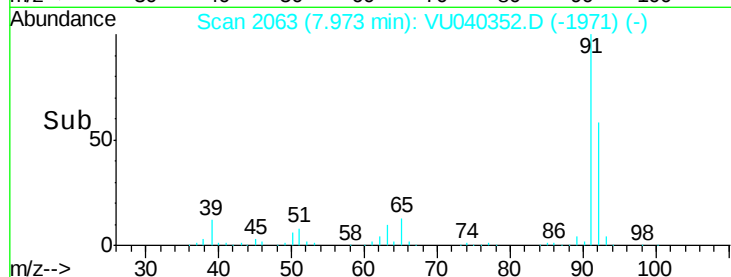
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.950 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040352.D

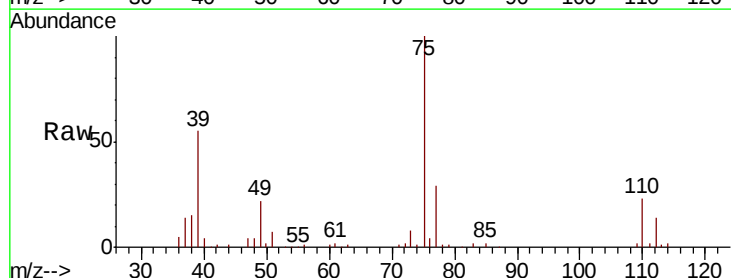
Acq: 29 Sep 2020 12:04

Tgt Ion: 75 Resp: 84467

Ion Ratio Lower Upper

75 100

77 29.5 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VU040349.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU040349.D (-2121) (-)

8.21

50000

40000

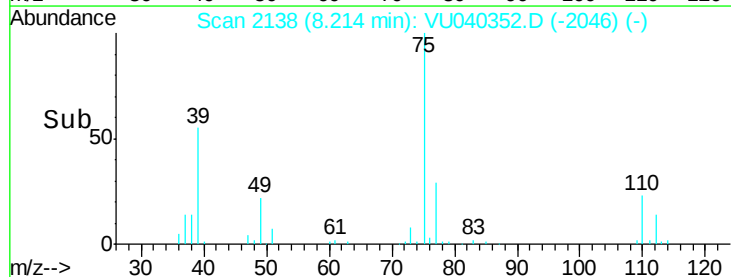
30000

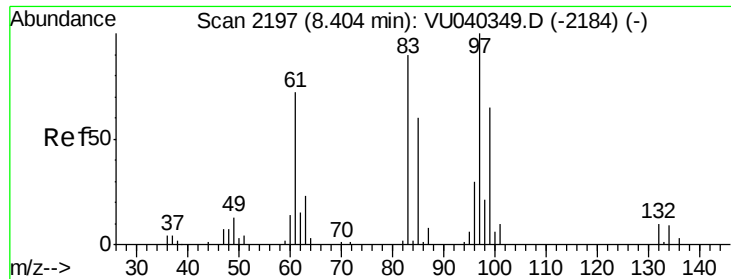
20000

10000

0

Time-->

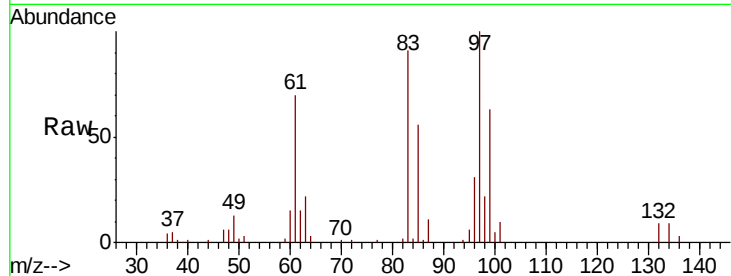




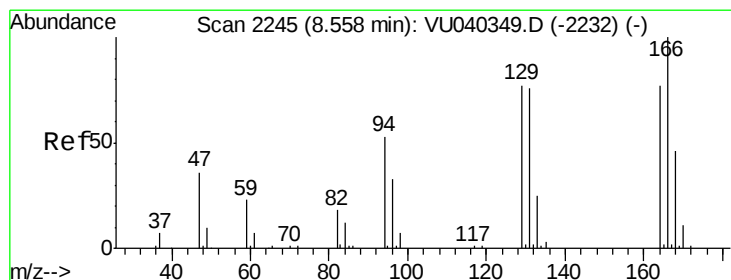
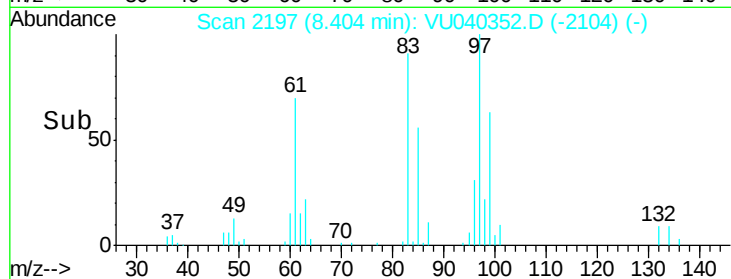
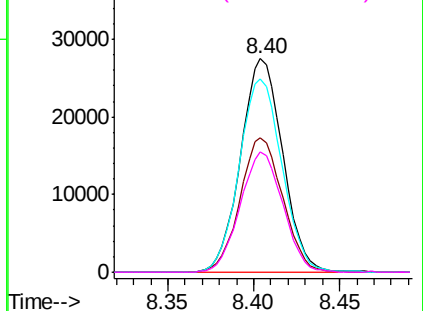
#45
 1,1,2-Trichloroethane
 Concen: 4.818 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU040352.D
 Acq: 29 Sep 2020 12:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV03

Tot Ion:	97	Resp:	46613
Ion	Ratio	Lower	Upper
97	100		
99	63.1	45.8	85.0
83	90.7	62.9	116.9
85	56.1	41.7	77.5

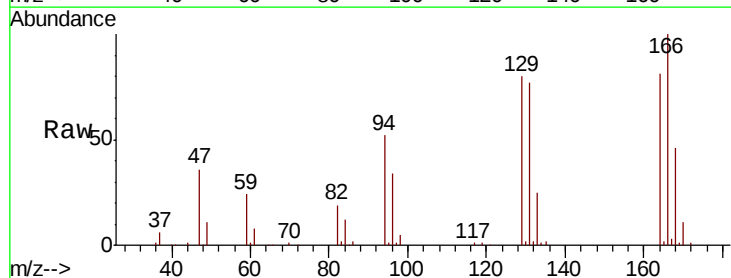


Abundance Ion 96.95 (96.65 to 97.65): VU040352.D (-2104) (-)

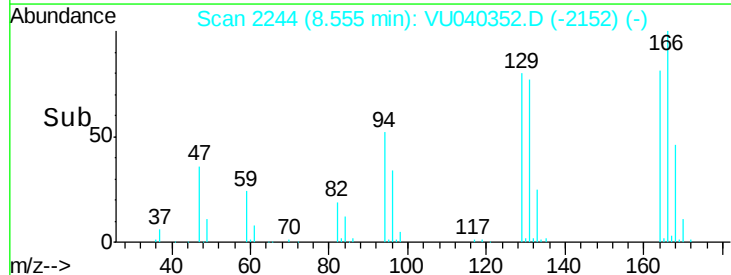
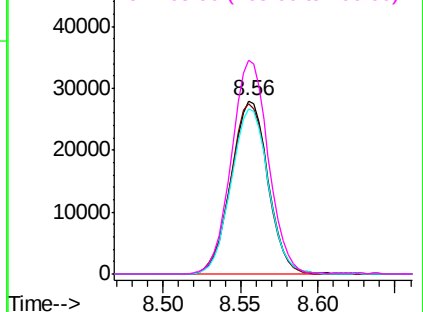


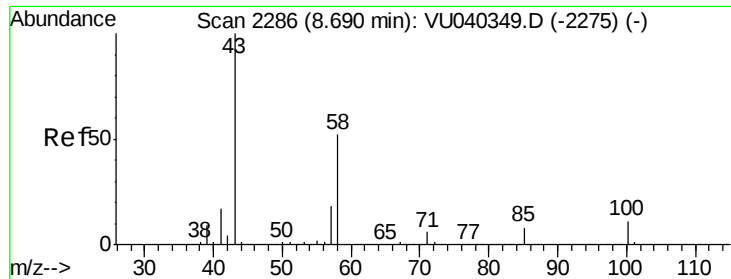
#47
 Tetrachloroethene
 Concen: 4.951 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU040352.D
 Acq: 29 Sep 2020 12:04

Tgt Ion:	164	Resp:	46249
Ion	Ratio	Lower	Upper
164	100		
129	98.5	70.3	130.7
131	95.6	69.2	128.6
166	123.4	91.1	169.3



Abundance Ion 163.90 (163.60 to 164.60): VU040352.D (-2152) (-)

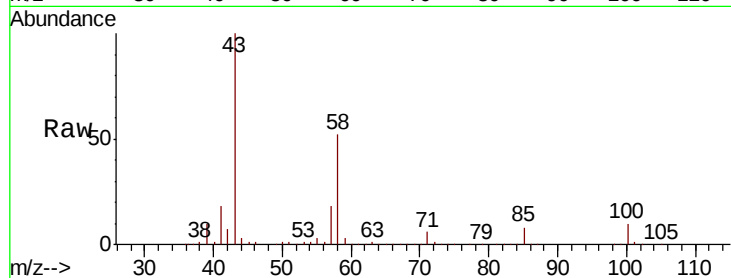




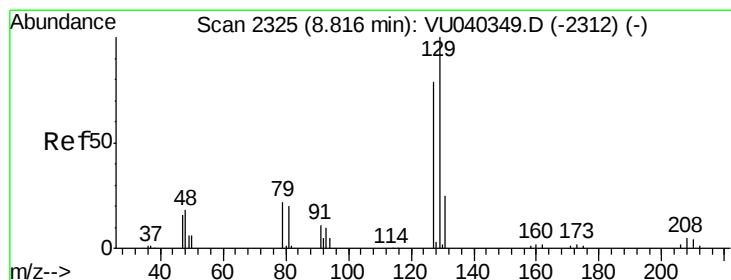
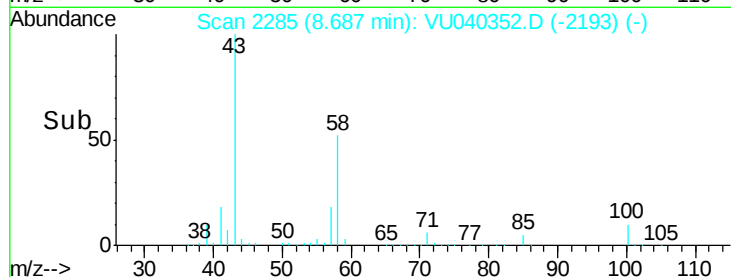
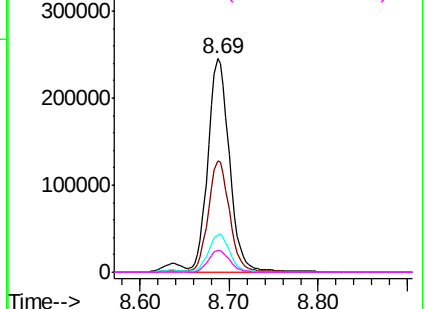
#48
2-Hexanone
Concen: 51.695 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VU040352.D
Acq: 29 Sep 2020 12:04

Instrument :
MSVOA_U
ClientSampleId :
VICV03

Tot Ion: 43 Resp: 411677
Ion Ratio Lower Upper
43 100
58 49.9 41.0 61.4
57 17.5 14.6 22.0
100 10.3 8.2 12.4

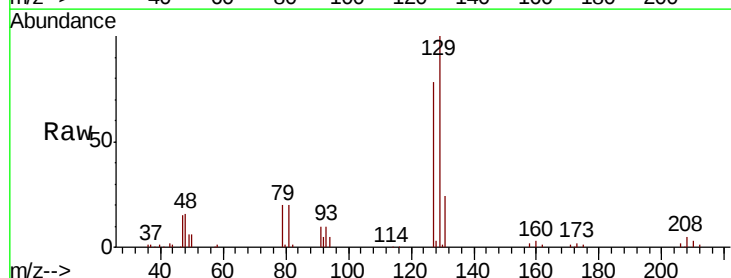


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

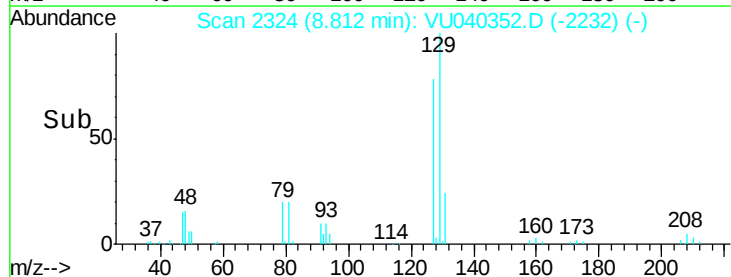
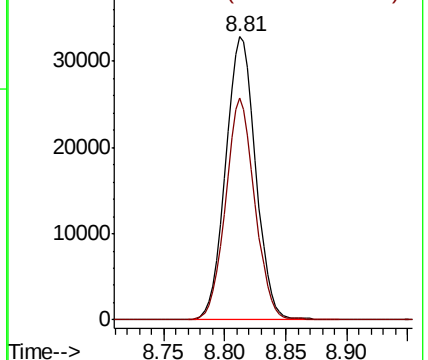


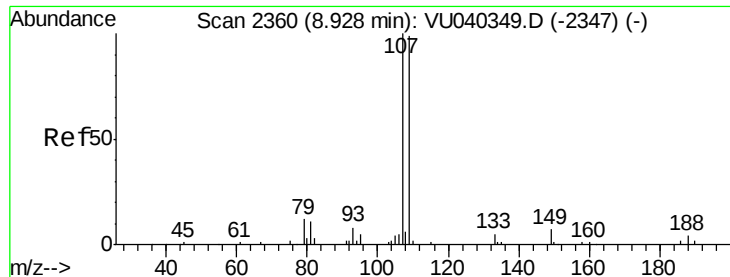
#49
Dibromochloromethane
Concen: 5.029 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU040352.D
Acq: 29 Sep 2020 12:04

Tgt Ion: 129 Resp: 56590
Ion Ratio Lower Upper
129 100
127 78.2 55.4 103.0



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

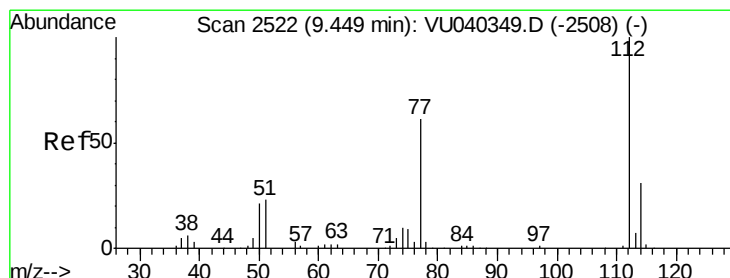
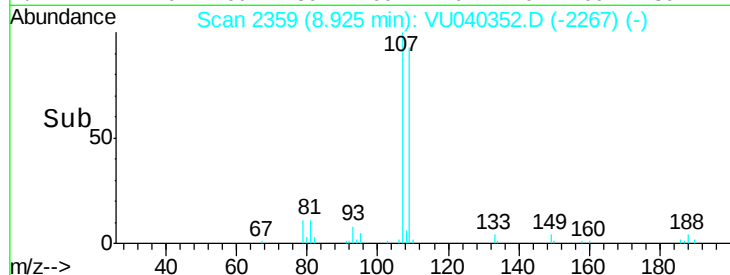
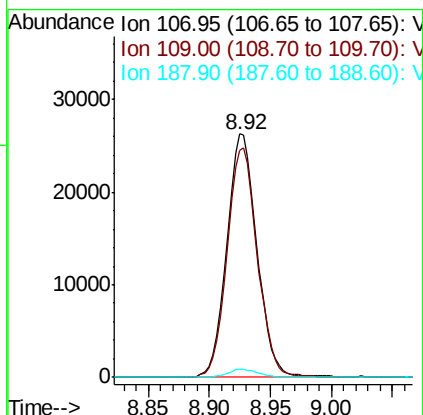
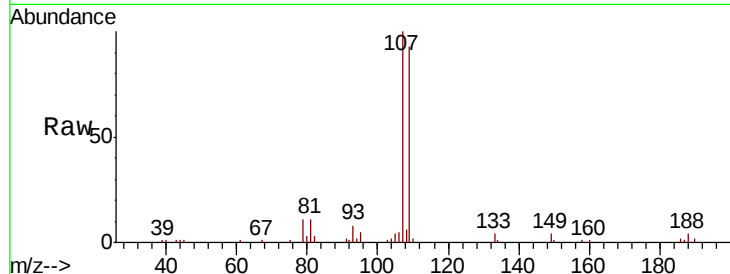




#50
 1,2-Dibromoethane
 Concen: 4.884 ug/L
 RT: 8.92 min Scan# 2359
 Delta R.T. -0.00 min
 Lab File: VU040352.D
 Acq: 29 Sep 2020 12:04

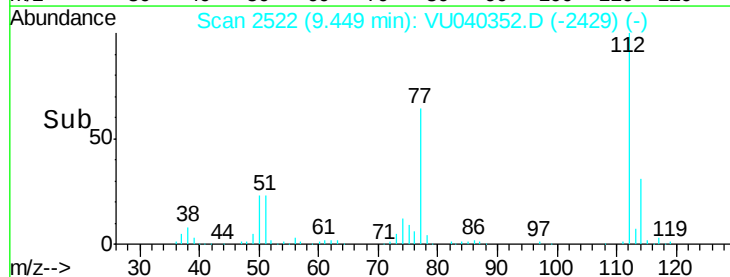
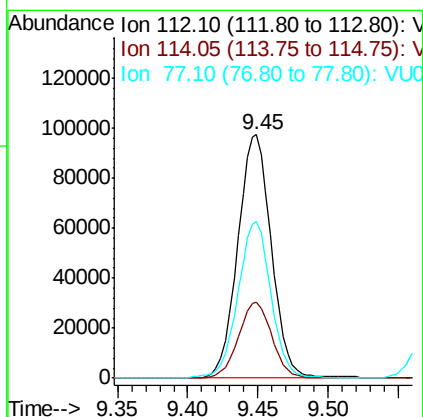
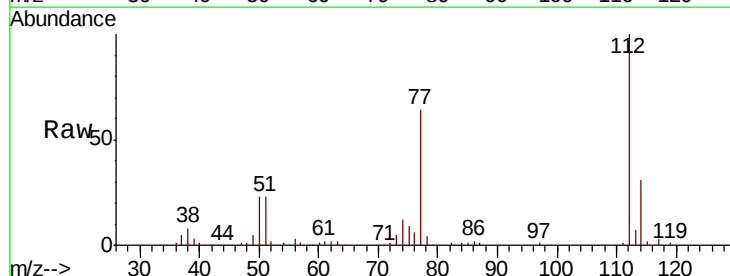
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV03

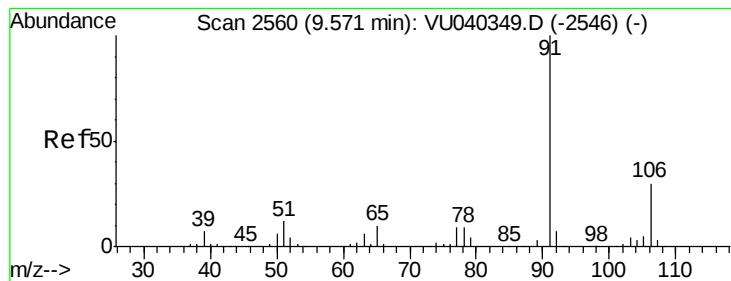
Tot Ion:107 Resp: 45322
 Ion Ratio Lower Upper
 107 100
 109 93.2 69.4 128.8
 188 3.5 3.3 4.9



#51
 Chlorobenzene
 Concen: 4.943 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU040352.D
 Acq: 29 Sep 2020 12:04

Tgt Ion:112 Resp: 162406
 Ion Ratio Lower Upper
 112 100
 114 31.0 22.0 40.8
 77 64.3 49.5 74.3





#52

Ethylbenzene

Concen: 5.116 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040352.D

Acq: 29 Sep 2020 12:04

Instrument :

MSVOA_U

ClientSampleId :

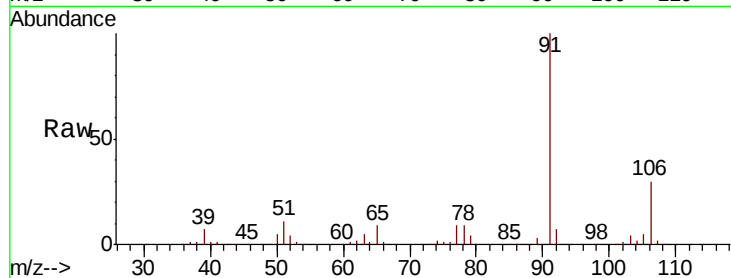
VICV03

Tot Ion: 91 Resp: 282096

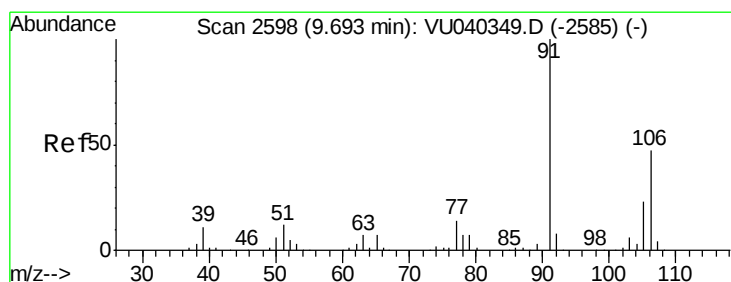
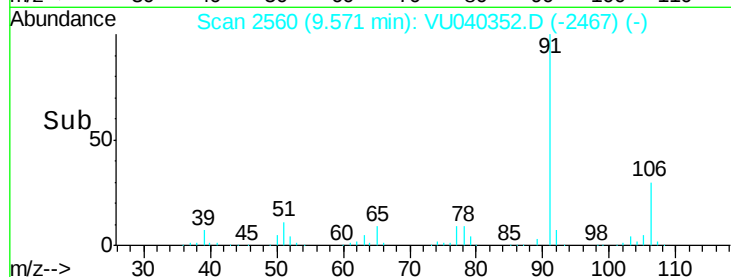
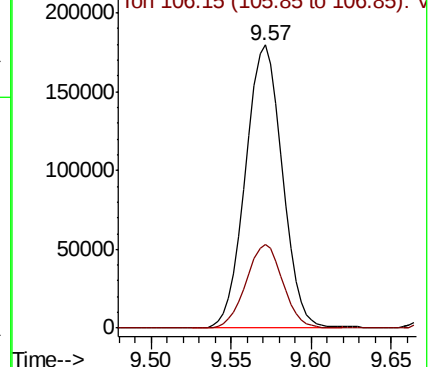
Ion Ratio Lower Upper

91 100

106 29.7 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU040349.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.064 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040352.D

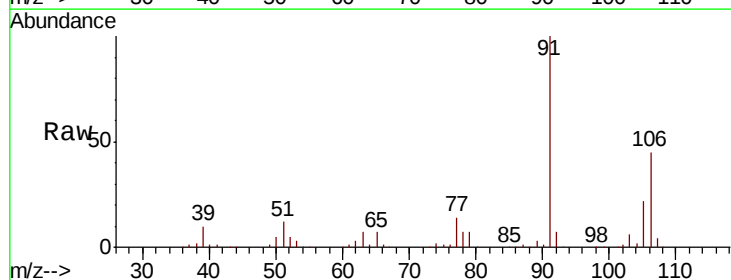
Acq: 29 Sep 2020 12:04

Tgt Ion: 106 Resp: 104026

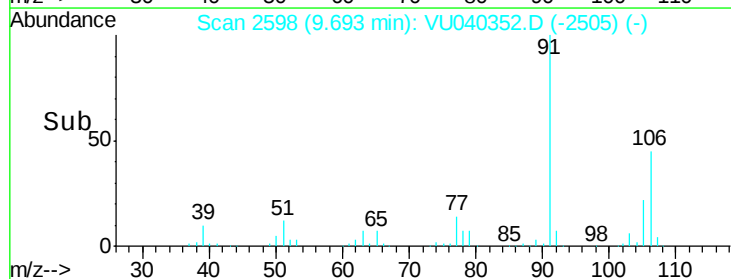
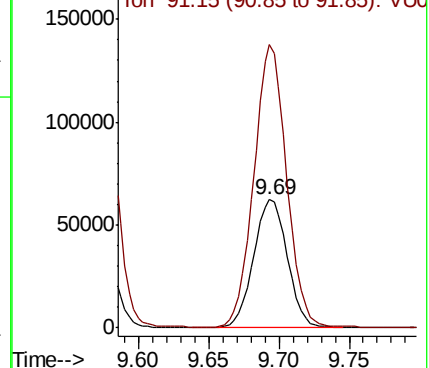
Ion Ratio Lower Upper

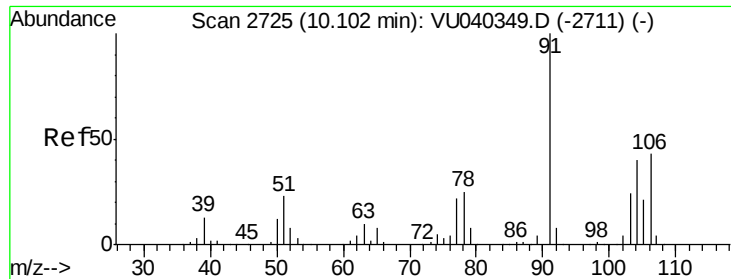
106 100

91 220.7 149.0 276.6



Abundance Ion 106.15 (105.85 to 106.85): VU040349.D (-2585) (-)

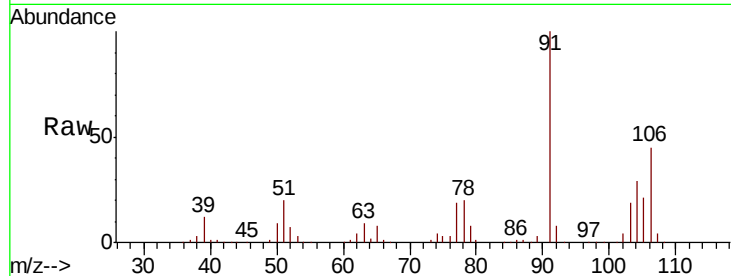




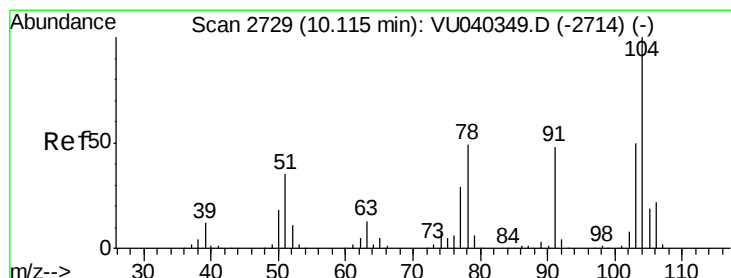
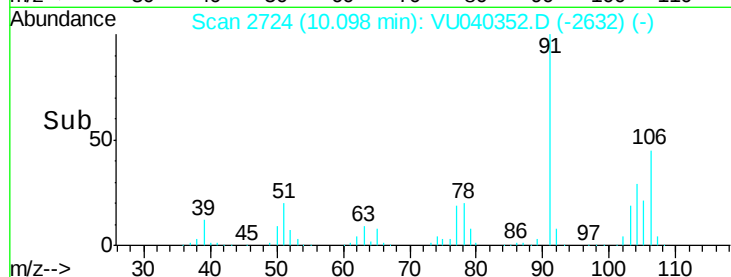
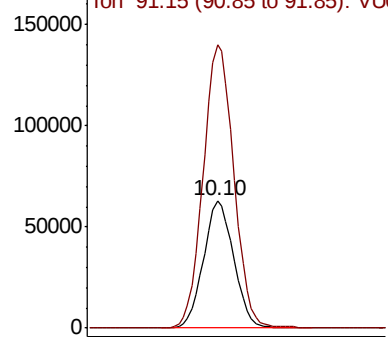
#54
o-Xylene
Concen: 5.148 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU040352.D
Acq: 29 Sep 2020 12:04

Instrument :
MSVOA_U
ClientSampleId :
VICV03

Tot Ion:106 Resp: 99495
Ion Ratio Lower Upper
106 100
91 222.5 160.9 298.9

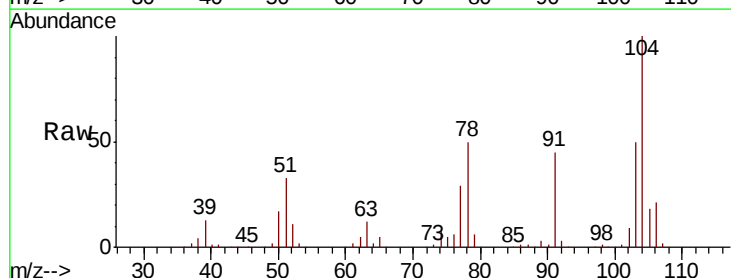


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

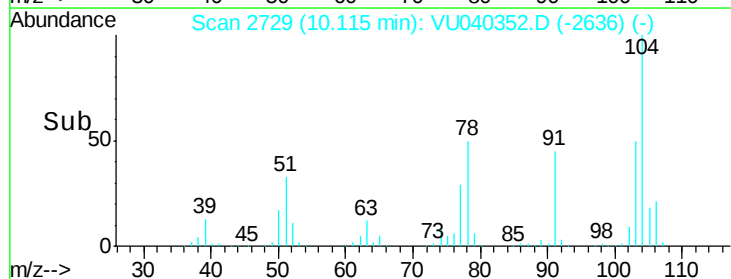
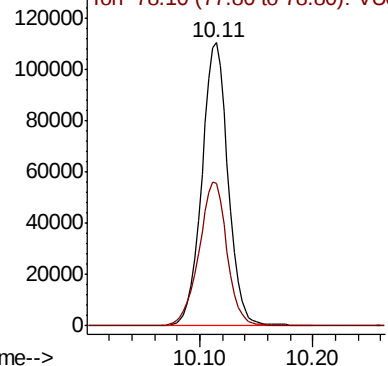


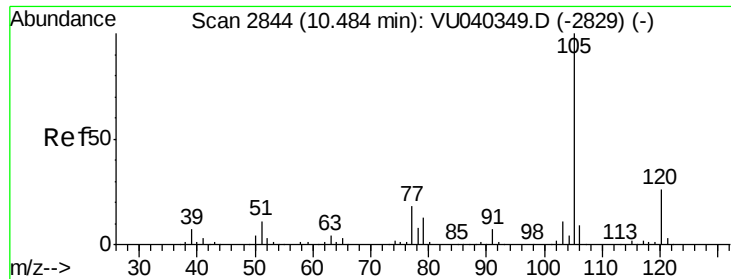
#55
Styrene
Concen: 5.274 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040352.D
Acq: 29 Sep 2020 12:04

Tgt Ion:104 Resp: 177778
Ion Ratio Lower Upper
104 100
78 50.2 34.4 63.8



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





#56

Isopropylbenzene

Concen: 5.311 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040352.D

Acq: 29 Sep 2020 12:04

Instrument :

MSVOA_U

ClientSampleId :

VICV03

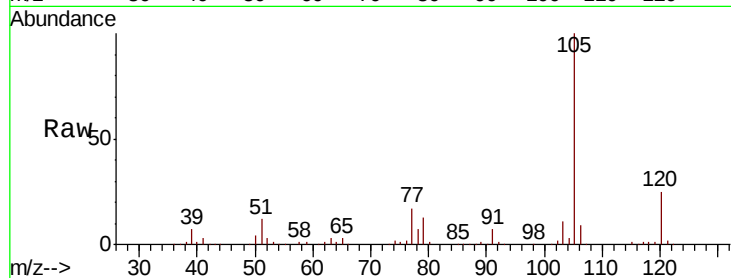
Tot Ion:105 Resp: 276945

Ion Ratio Lower Upper

105 100

120 25.4 20.6 30.8

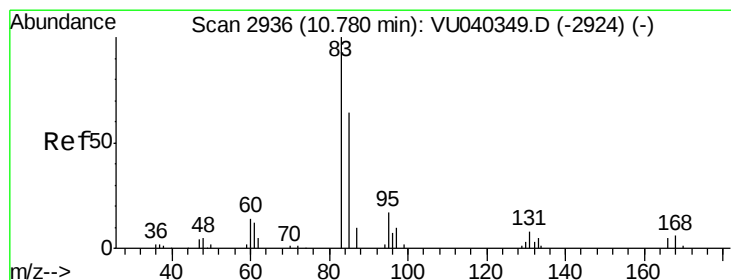
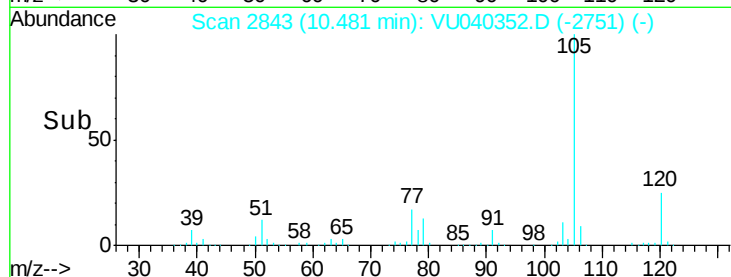
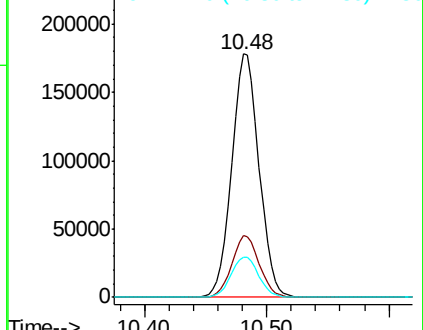
77 16.9 14.3 21.5



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: 4.718 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040352.D

Acq: 29 Sep 2020 12:04

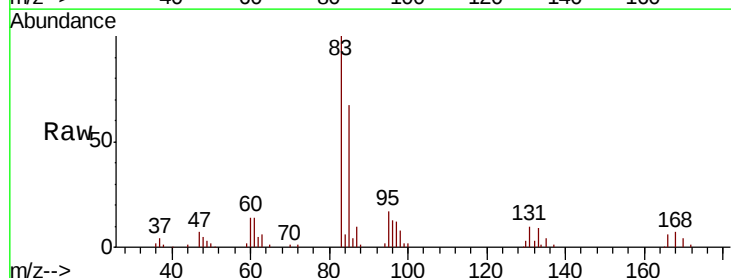
Tgt Ion: 83 Resp: 61862

Ion Ratio Lower Upper

83 100

85 66.8 45.1 83.9

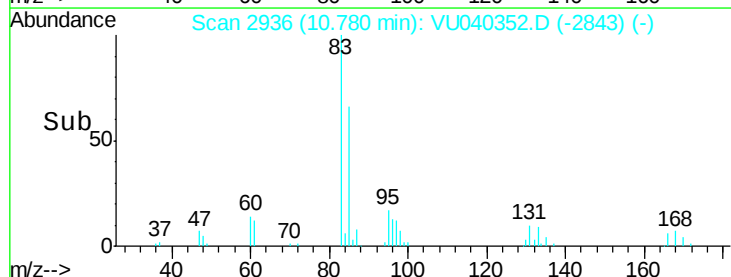
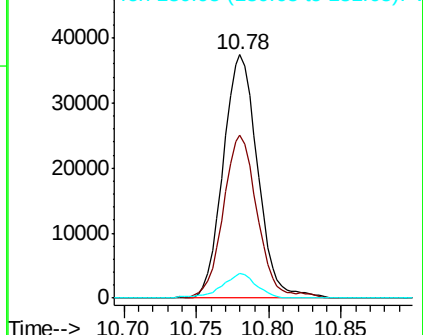
131 9.9 6.6 10.0

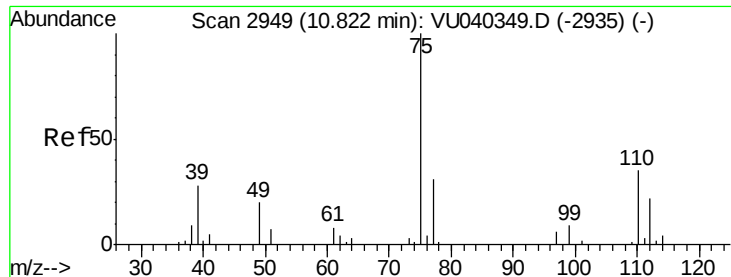


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.761 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU040352.D

Acq: 29 Sep 2020 12:04

Instrument :

MSVOA_U

ClientSampleId :

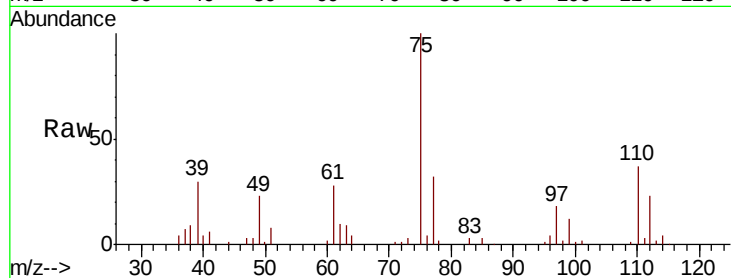
VICV03

Tot Ion: 75 Resp: 47629

Ion Ratio Lower Upper

75 100

77 31.8 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU040349.D (-2935) (-)

Ion 77.00 (76.70 to 77.70): VU040349.D (-2935) (-)

10.82

30000

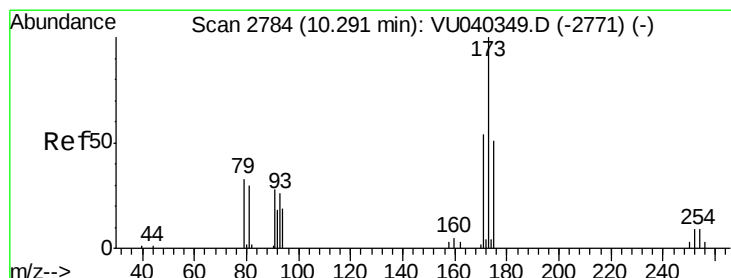
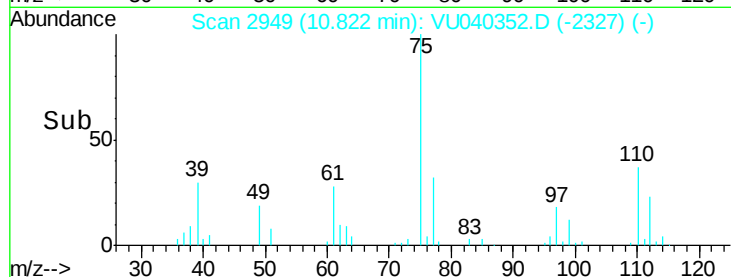
20000

10000

0

Time-->

10.75 10.80 10.85 10.90



#61

Bromoform

Concen: 4.715 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU040352.D

Acq: 29 Sep 2020 12:04

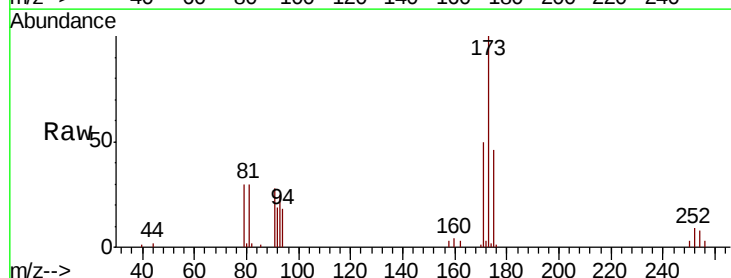
Tgt Ion:173 Resp: 30813

Ion Ratio Lower Upper

173 100

175 48.4 39.6 59.4

254 8.0 7.0 10.4



Abundance Ion 172.90 (172.60 to 173.60): VU040349.D (-2771) (-)

Ion 174.90 (174.60 to 175.60): VU040349.D (-2771) (-)

Ion 253.75 (253.45 to 254.45): VU040349.D (-2771) (-)

10.29

25000

20000

15000

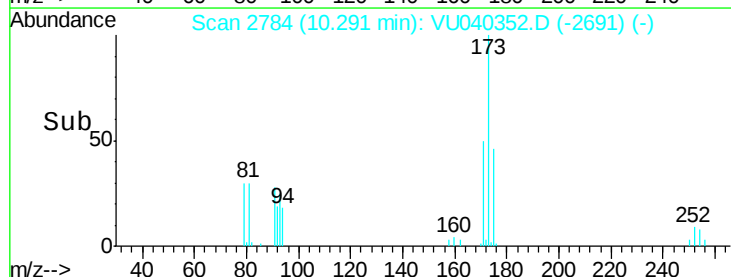
10000

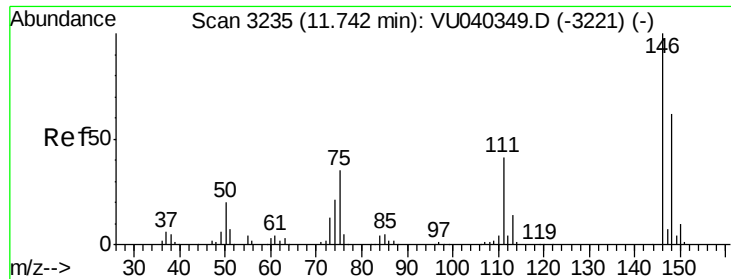
5000

0

Time-->

10.25 10.30 10.35





#62

1,3-Dichlorobenzene

Concen: 5.055 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU040352.D

Acq: 29 Sep 2020 12:04

Instrument :

MSVOA_U

ClientSampleId :

VICV03

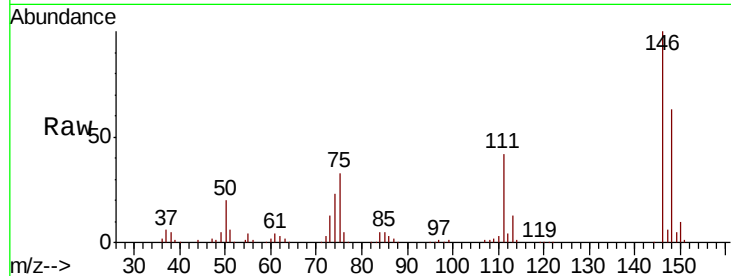
Tot Ion:146 Resp: 132327

Ion Ratio Lower Upper

146 100

111 42.3 28.6 53.0

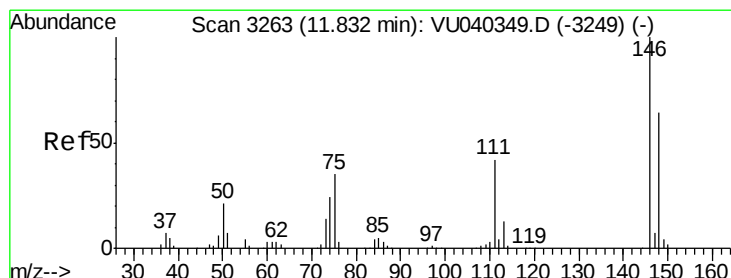
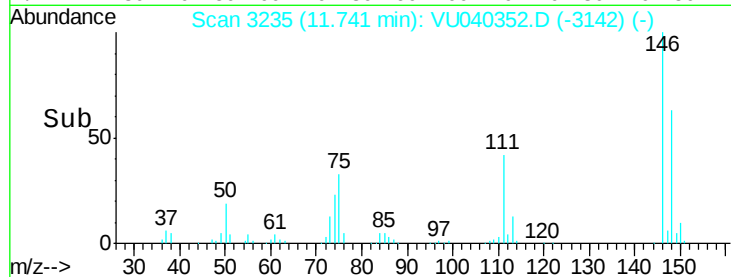
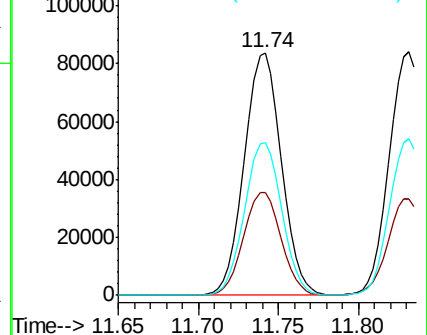
148 62.8 43.4 80.6



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: 4.958 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU040352.D

Acq: 29 Sep 2020 12:04

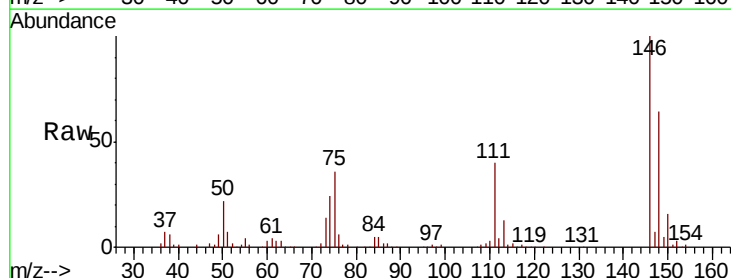
Tgt Ion:146 Resp: 135009

Ion Ratio Lower Upper

146 100

111 39.7 29.2 54.2

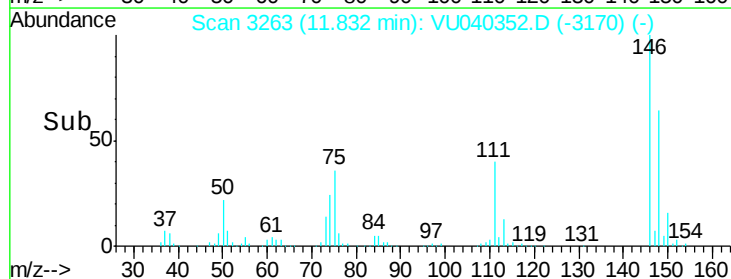
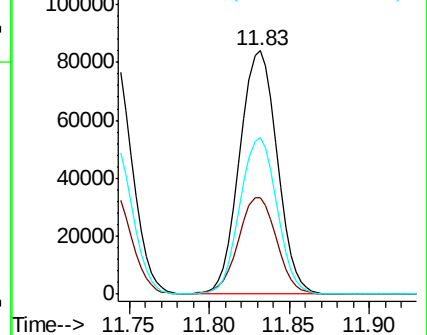
148 64.3 44.4 82.4

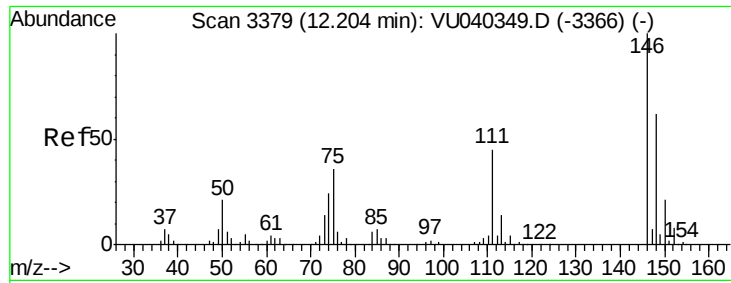


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.922 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU040352.D

Acq: 29 Sep 2020 12:04

Instrument :

MSVOA_U

ClientSampleId :

VICV03

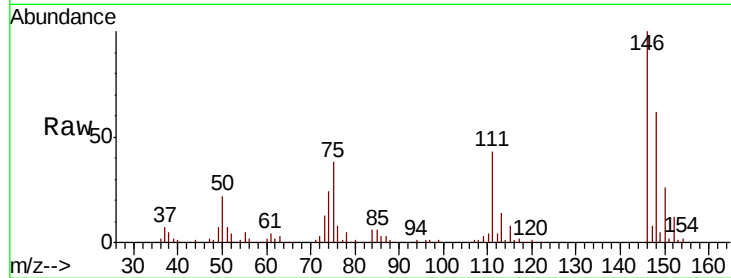
Tot Ion:146 Resp: 125258

Ion Ratio Lower Upper

146 100

111 43.5 35.6 53.4

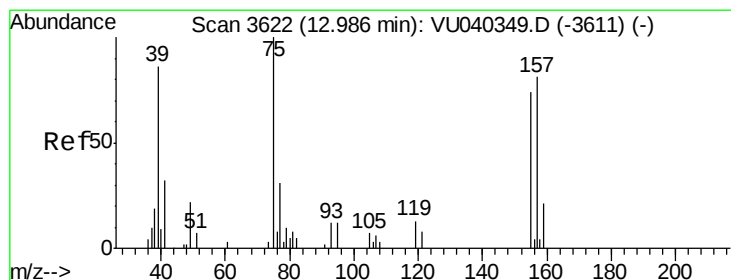
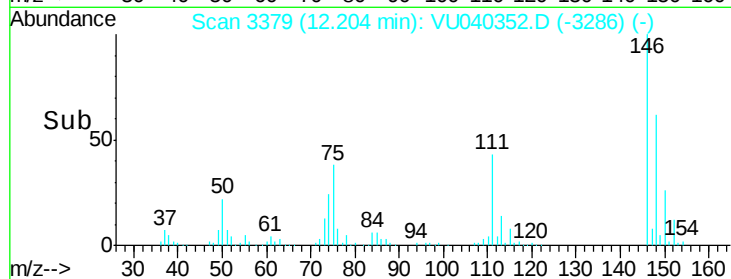
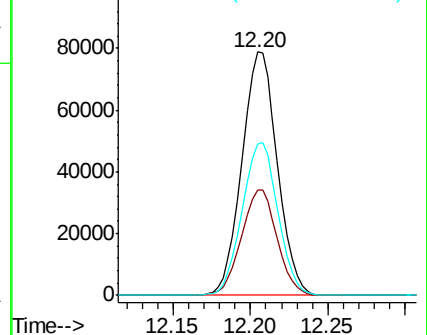
148 62.3 49.8 74.6



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: 4.509 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU040352.D

Acq: 29 Sep 2020 12:04

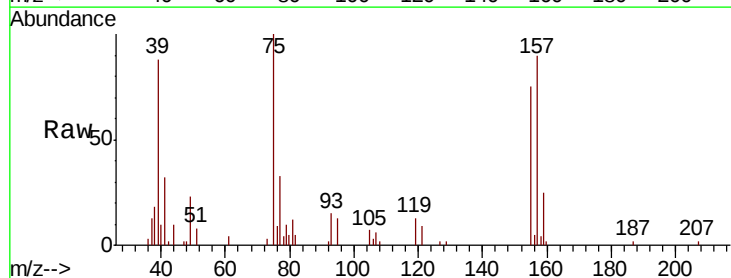
Tgt Ion: 75 Resp: 10342

Ion Ratio Lower Upper

75 100

155 75.2 59.4 89.2

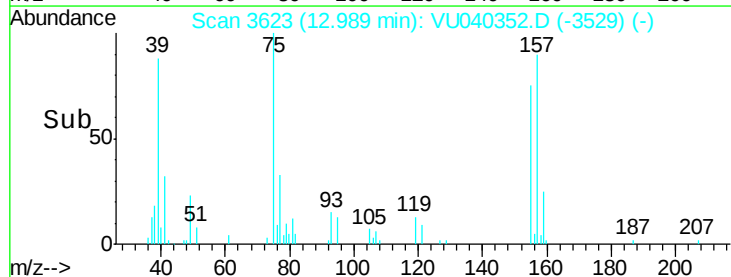
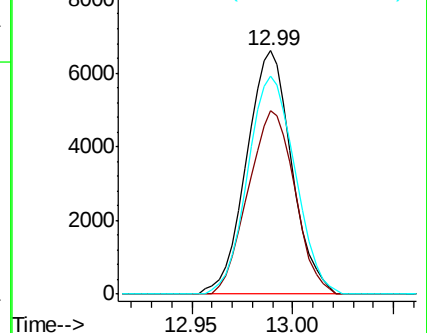
157 89.6 65.0 97.4

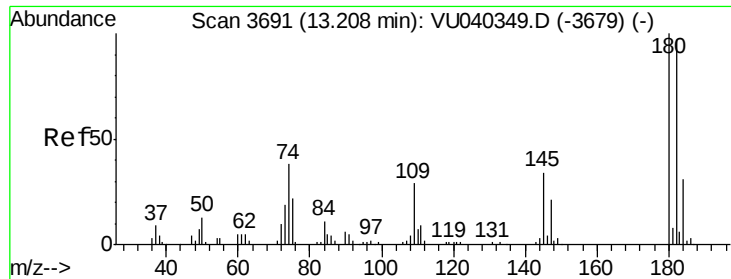


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

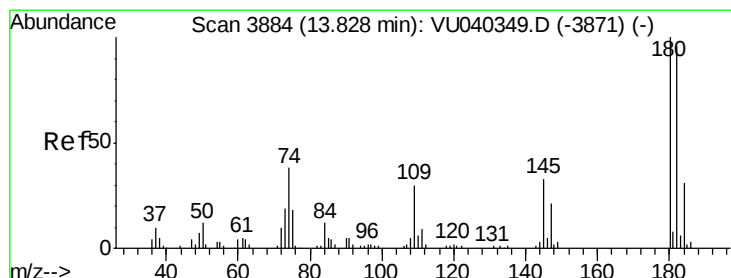
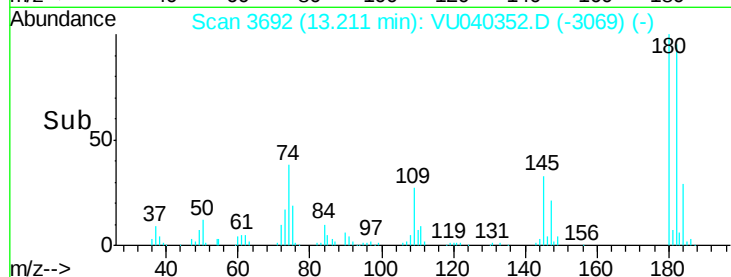
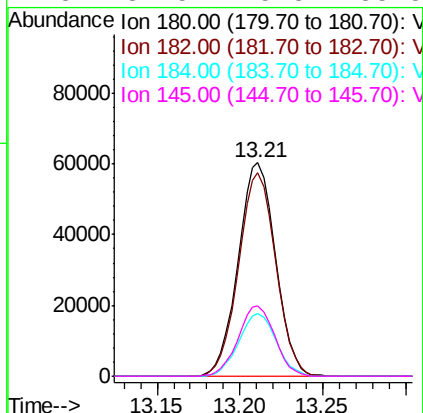
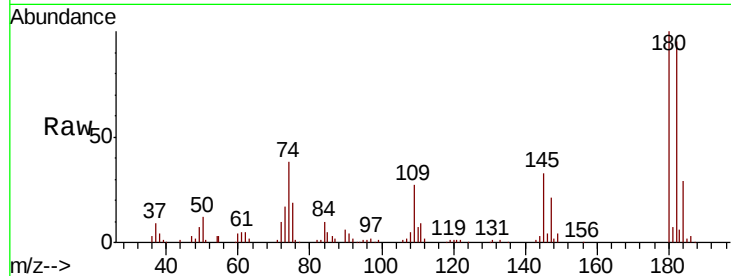




#67
 1,3,5-Trichlorobenzene
 Concen: 5.052 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040352.D
 Acq: 29 Sep 2020 12:04

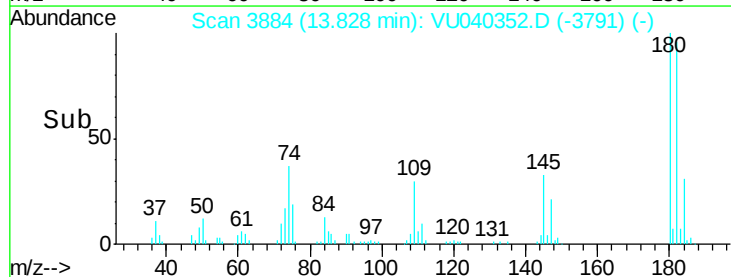
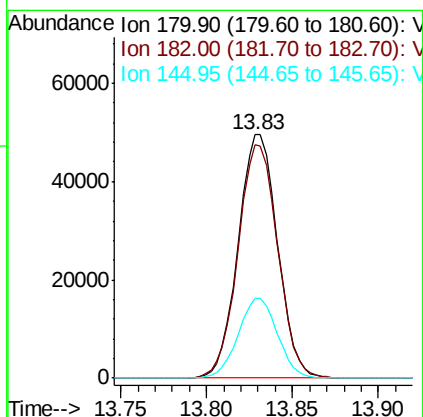
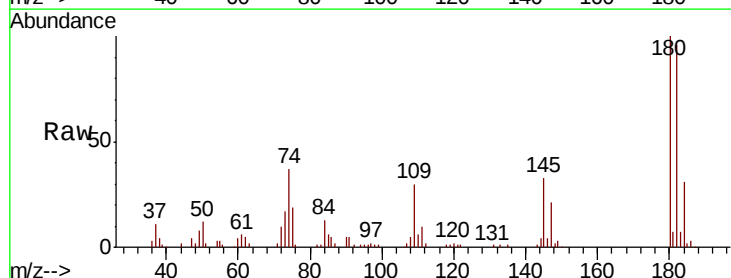
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV03

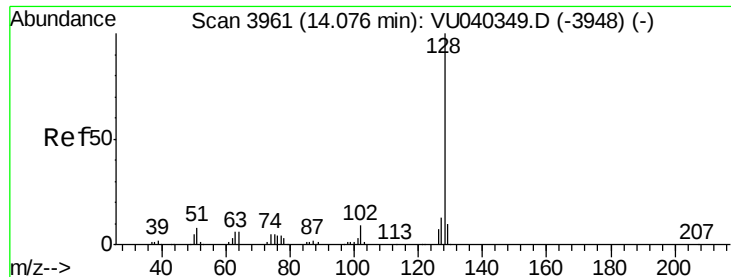
Tot Ion:180 Resp: 94413
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.5 114.7
 184 29.5 24.6 37.0
 145 32.5 25.8 38.8



#68
 1,2,4-trichlorobenzene
 Concen: 5.228 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040352.D
 Acq: 29 Sep 2020 12:04

Tgt Ion:180 Resp: 78502
 Ion Ratio Lower Upper
 180 100
 182 96.7 76.6 115.0
 145 32.8 26.3 39.5





#69

Naphthalene

Concen: 5.527 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040352.D

Acq: 29 Sep 2020 12:04

Instrument :

MSVOA_U

ClientSampleId :

VICV03

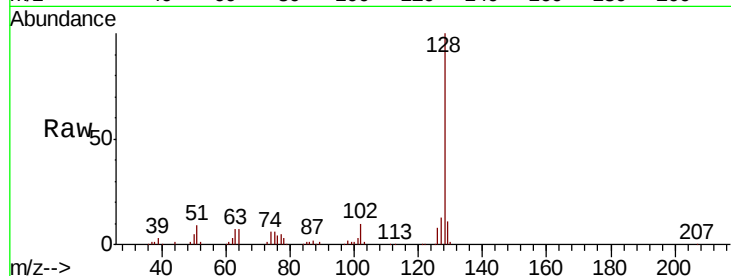
Tot Ion:128 Resp: 141832

Ion Ratio Lower Upper

128 100

129 10.7 8.2 12.4

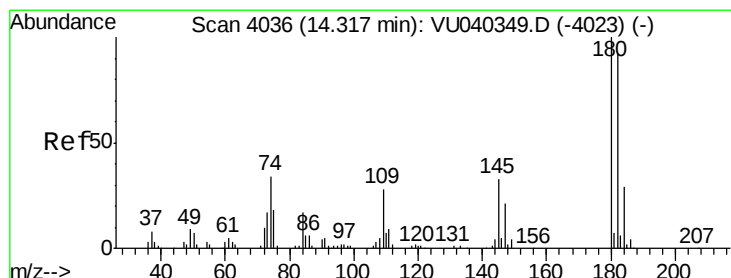
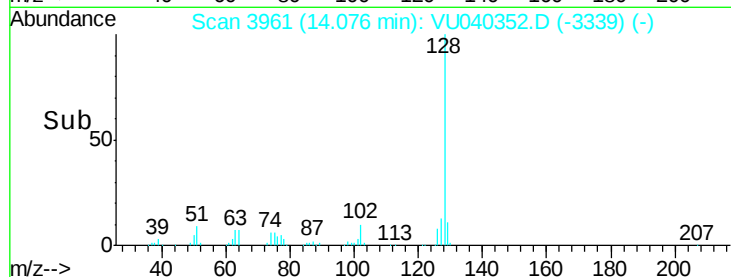
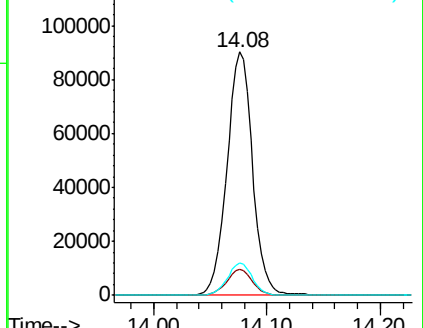
127 12.9 10.2 15.4



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: 5.366 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU040352.D

Acq: 29 Sep 2020 12:04

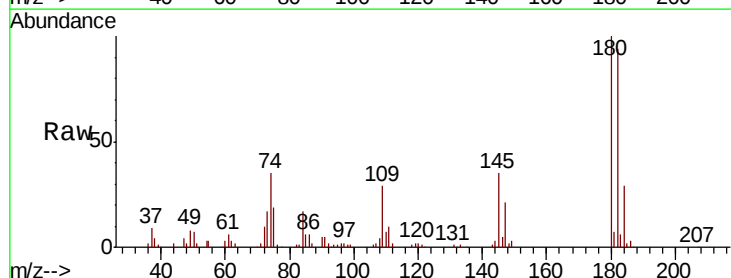
Tgt Ion:180 Resp: 73734

Ion Ratio Lower Upper

180 100

182 93.9 76.6 115.0

145 35.2 27.8 41.6



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

