

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100220\
 Data File : VU040475.D
 Acq On : 02 Oct 2020 21:21
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 03 00:20:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 03 00:09:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	127599	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	124126	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	65215	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	34319	5.43	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.60%
7) Chloroethane-d5	1.92	69	28049	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.40%
11) 1,1-Dichloroethene-d2	2.58	63	84649	5.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	111.40%
20) 2-Butanone-d5	4.66	46	132039	42.08	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.16%
24) Chloroform-d	5.08	84	73544	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
26) 1,2-Dichloroethane-d4	5.72	65	43226	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	5.75	84	138140	5.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.80%
36) 1,2-Dichloropropane-d6	6.70	67	46071	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.00%
41) Toluene-d8	7.91	98	128639	5.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	118.60%
43) trans-1,3-Dichloropropene-	8.19	79	18832	5.06	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.20%
46) 2-Hexanone-d5	8.64	63	93643	42.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.46%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	38721	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	47741	4.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	68511	5.354	ug/L	98
3) Chloromethane	1.53	50	62572	4.986	ug/L	100
5) Vinyl chloride	1.61	62	65943	5.346	ug/L	97
6) Bromomethane	1.87	94	29238	4.874	ug/L	100
8) Chloroethane	1.94	64	40784	5.579	ug/L	93
9) Trichlorofluoromethane	2.15	101	91362	5.370	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	58745	5.407	ug/L	98
12) 1,1-Dichloroethene	2.59	96	54654	5.624	ug/L	99
13) Acetone	2.67	43	130449	49.889	ug/L	99
14) Carbon disulfide	2.81	76	158299	5.154	ug/L	98
15) Methyl Acetate	2.97	43	32470	5.156	ug/L	100
16) Methylene chloride	3.06	84	62585	5.127	ug/L	94
17) Methyl tert-butyl Ether	3.38	73	145939	5.451	ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	54885	5.462	ug/L	97
19) 1,1-Dichloroethane	3.89	63	114358	5.545	ug/L	96
21) 2-Butanone	4.74	43	220083	52.438	ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	61000	5.488	ug/L	98

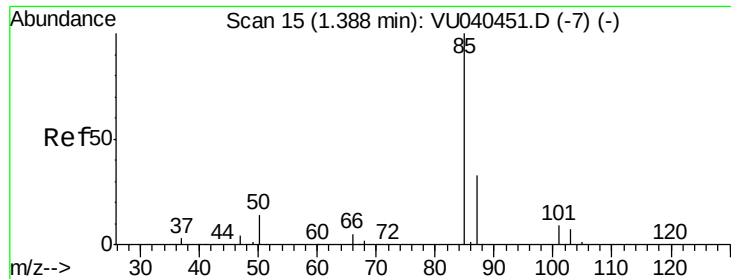
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100220\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 03 00:09:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	29037	5.706	ug/L	96
25) Chloroform	5.11	83	119977	5.703	ug/L	97
27) 1,2-Dichloroethane	5.81	62	82158	5.640	ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	97609	5.757	ug/L	98
30) Cyclohexane	5.40	56	97012	5.530	ug/L	99
31) Carbon tetrachloride	5.54	117	82750	5.692	ug/L	99
33) Benzene	5.79	78	243263	5.845	ug/L	100
34) Trichloroethene	6.56	95	61762	5.590	ug/L	96
35) Methylcyclohexane	6.77	83	90995	5.615	ug/L	99
37) 1,2-Dichloropropane	6.80	63	66523	5.740	ug/L	99
38) Bromodichloromethane	7.12	83	83755	5.853	ug/L	97
39) cis-1,3-Dichloropropene	7.62	75	87568	5.634	ug/L	94
40) 4-Methyl-2-pentanone	7.80	43	515362	56.784	ug/L	100
42) Toluene	7.98	91	255275	5.982	ug/L	100
44) trans-1,3-Dichloropropene	8.22	75	80105	5.590	ug/L	98
45) 1,1,2-Trichloroethane	8.41	97	47257	5.817	ug/L	98
47) Tetrachloroethene	8.56	164	43894	5.596	ug/L	97
48) 2-Hexanone	8.69	43	378777	56.638	ug/L	100
49) Dibromochloromethane	8.82	129	54392	5.755	ug/L	99
50) 1,2-Dibromoethane	8.93	107	44630	5.727	ug/L #	94
51) Chlorobenzene	9.45	112	158454	5.743	ug/L	100
52) Ethylbenzene	9.57	91	269048	5.810	ug/L	99
53) m,p-Xylene	9.70	106	101407	5.878	ug/L	98
54) o-Xylene	10.10	106	95759	5.900	ug/L	99
55) Styrene	10.11	104	171257	6.050	ug/L	99
56) Isopropylbenzene	10.48	105	256791	5.864	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	59950	5.445	ug/L	97
59) 1,2,3-Trichloropropane	10.82	75	45215	5.382	ug/L	99
61) Bromoform	10.29	173	29766	5.523	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	125100	5.794	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	126542	5.635	ug/L	100
65) 1,2-Dichlorobenzene	12.21	146	116662	5.558	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	9859	5.211	ug/L	91
67) 1,3,5-Trichlorobenzene	13.21	180	84325	5.471	ug/L	100
68) 1,2,4-trichlorobenzene	13.83	180	68423	5.525	ug/L	99
69) Naphthalene	14.08	128	114193	5.395	ug/L	98
70) 1,2,3-Trichlorobenzene	14.32	180	64488	5.690	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 5.354 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040475.D

Acq: 02 Oct 2020 21:21

Instrument :

MSVOA_U

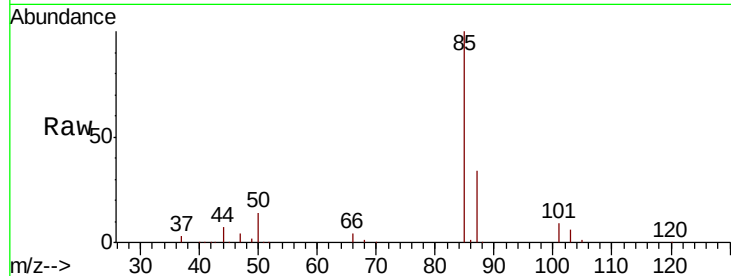
ClientSampleId :

Tot Ion: 85 Resp: 68511

Ion Ratio Lower Upper

85 100

87 33.5 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU040475.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU040475.D (-1) (-)

1.39

60000

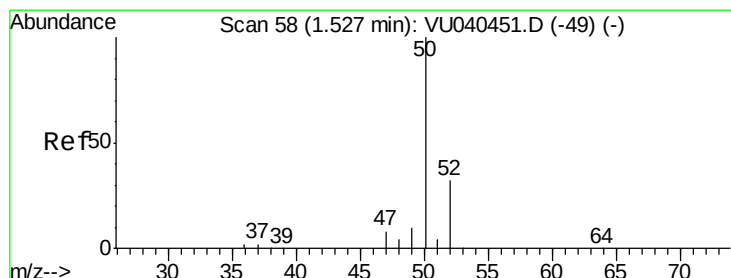
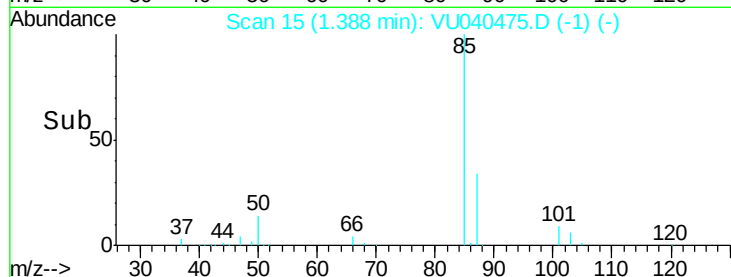
40000

20000

0

1.35 1.40 1.45

Time-->



#3

Chloromethane

Concen: 4.986 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040475.D

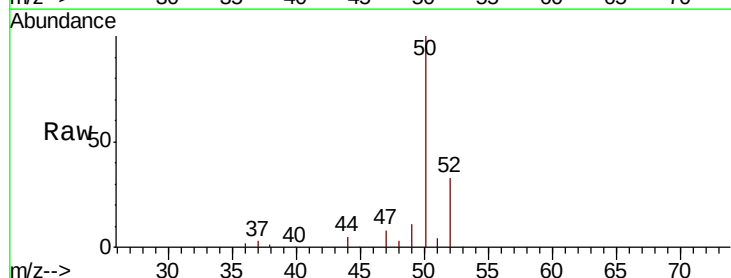
Acq: 02 Oct 2020 21:21

Tgt Ion: 50 Resp: 62572

Ion Ratio Lower Upper

50 100

52 32.8 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU040475.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU040475.D (-1) (-)

1.53

60000

50000

40000

30000

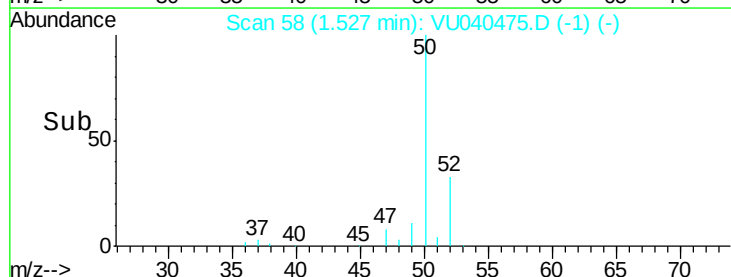
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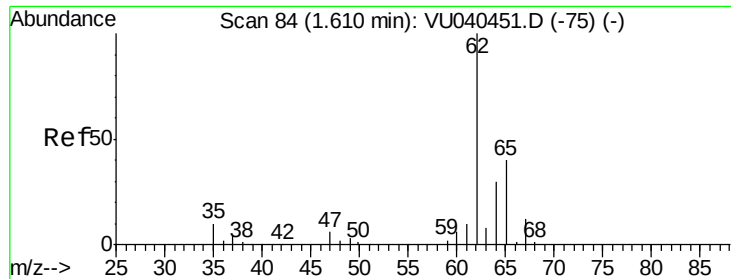
10000

0

1.50 1.55 1.60

Time-->





#5

Vinyl chloride

Concen: 5.346 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040475.D

Acq: 02 Oct 2020 21:21

Instrument :

MSVOA_U

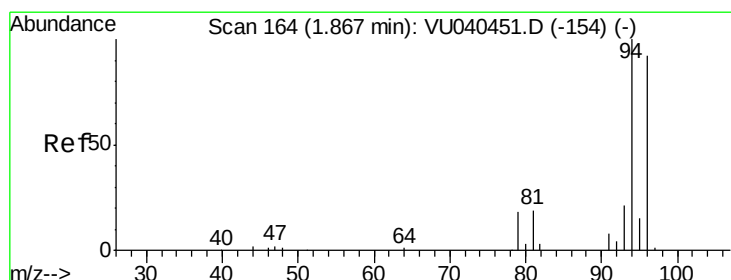
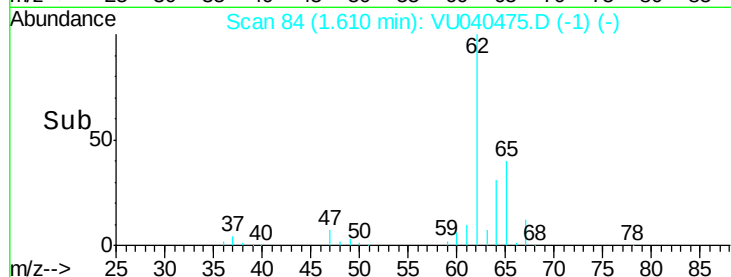
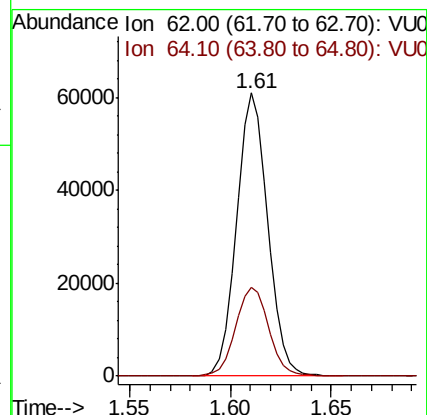
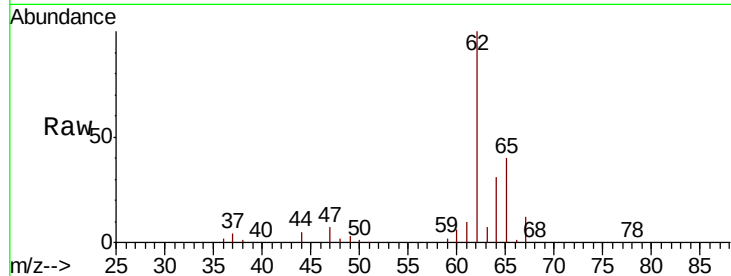
ClientSampleId :

Tot Ion: 62 Resp: 65943

Ion Ratio Lower Upper

62 100

64 31.5 23.0 42.8



#6

Bromomethane

Concen: 4.874 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040475.D

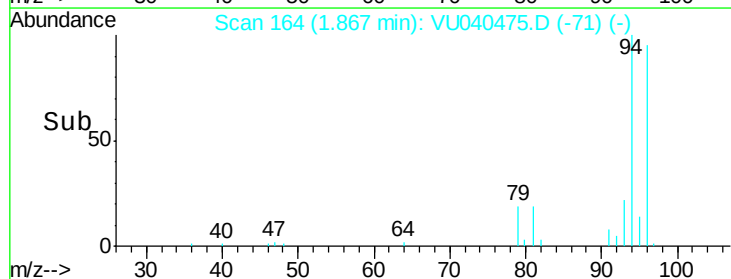
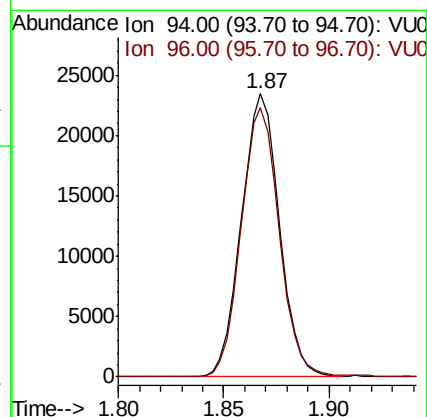
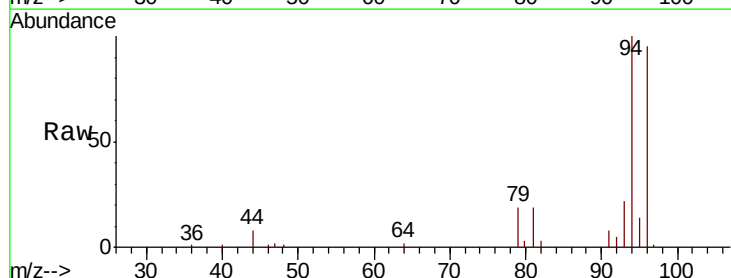
Acq: 02 Oct 2020 21:21

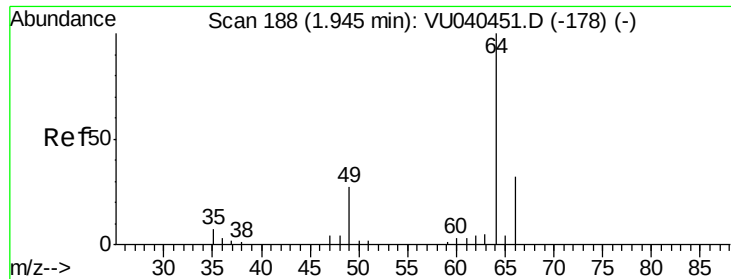
Tgt Ion: 94 Resp: 29238

Ion Ratio Lower Upper

94 100

96 94.9 66.3 123.1





#8

Chloroethane

Concen: 5.579 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040475.D

Acq: 02 Oct 2020 21:21

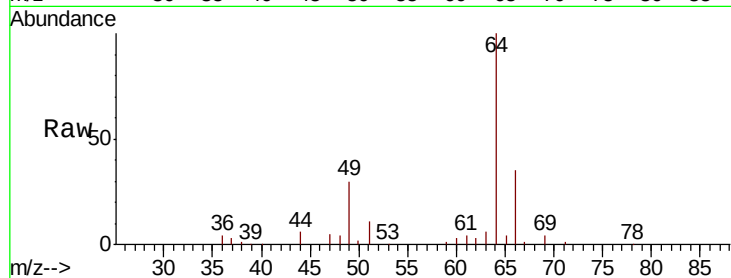
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 64 Resp: 40784

Ion Ratio Lower Upper

64 100

66 34.6 21.3 39.6



Abundance Ion 64.10 (63.80 to 64.80): VU040475.D (-178) (-)

Ion 66.05 (65.75 to 66.75): VU040475.D (-178) (-)

1.94

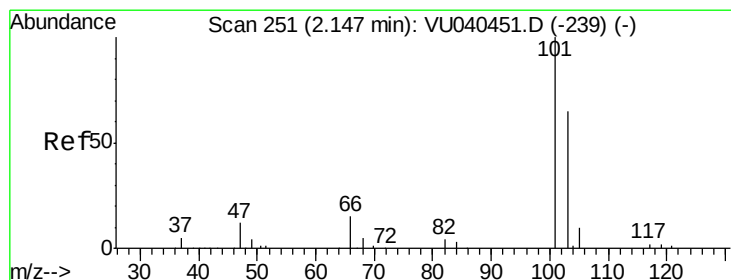
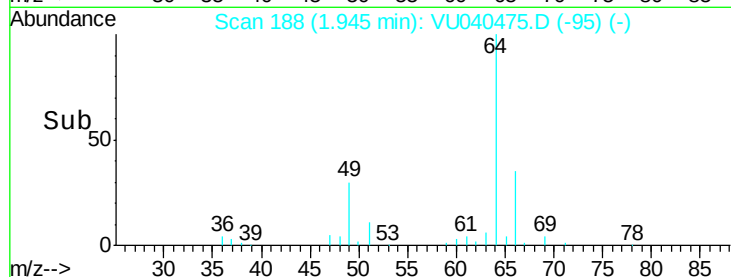
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20000

10000

0

Time-->



#9

Trichlorofluoromethane

Concen: 5.370 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU040475.D

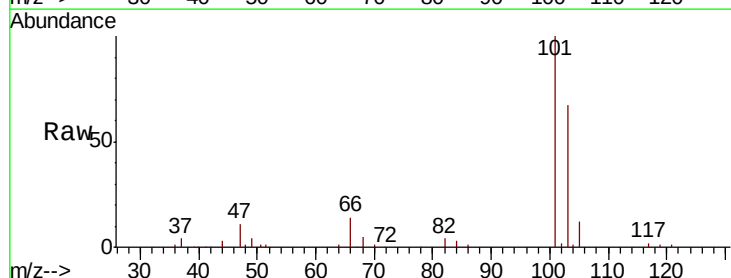
Acq: 02 Oct 2020 21:21

Tgt Ion:101 Resp: 91362

Ion Ratio Lower Upper

101 100

103 64.8 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): VU040475.D (-239) (-)

Ion 103.00 (102.70 to 103.70): VU040475.D (-239) (-)

2.15

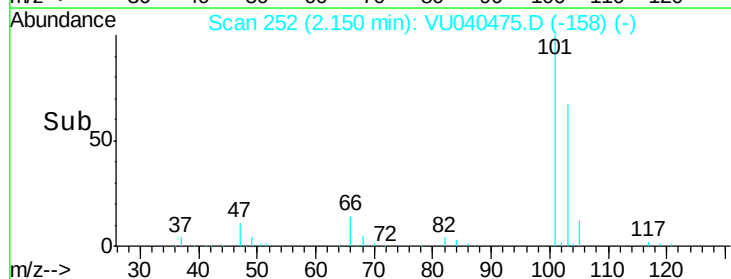
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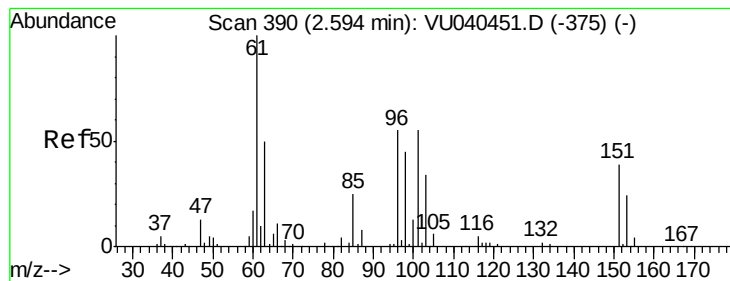
40000

20000

0

Time-->





#10

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

Concen: 5.407 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040475.D

Acq: 02 Oct 2020 21:21

Instrument :

MSVOA_U

ClientSampleId :

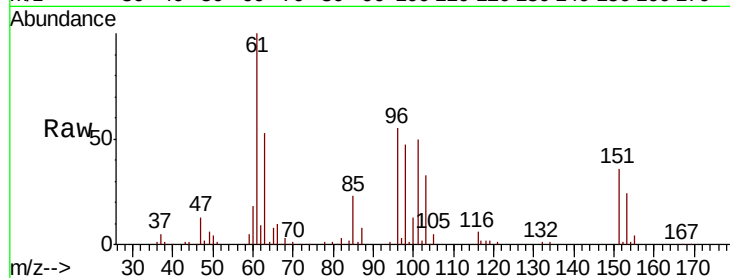
Tot Ion:101 Resp: 58745

Ion Ratio Lower Upper

101 100

85 45.2 35.0 52.6

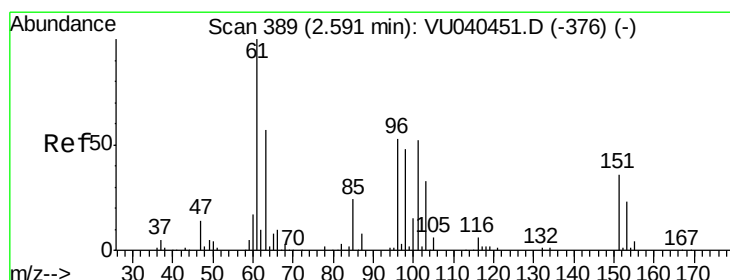
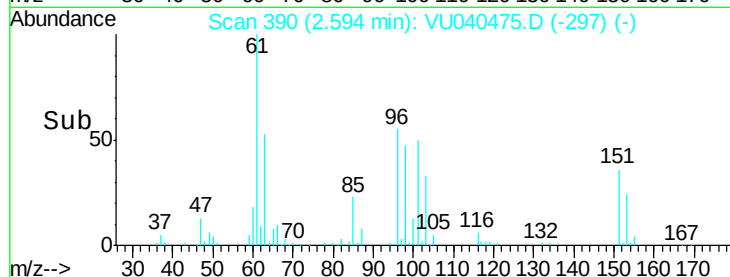
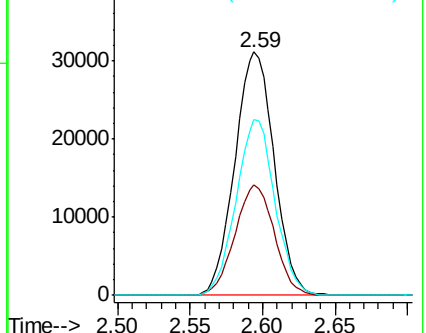
151 71.2 55.4 83.2



Abundance Ion 101.00 (100.70 to 101.70): VU040475.D (-297) (-)

Ion 85.00 (84.70 to 85.70): VU040475.D (-297) (-)

Ion 151.00 (150.70 to 151.70): VU040475.D (-297) (-)



#12

1,1-Dichloroethene

Concen: 5.624 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040475.D

Acq: 02 Oct 2020 21:21

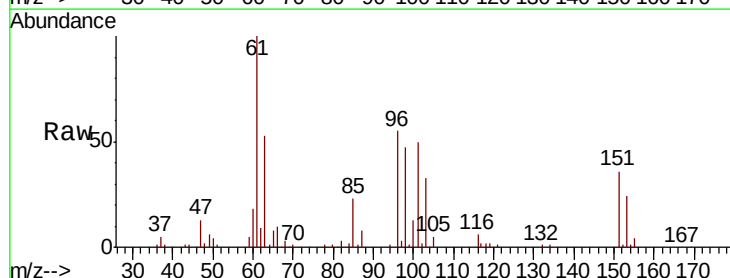
Tgt Ion: 96 Resp: 54654

Ion Ratio Lower Upper

96 100

61 181.2 128.6 238.8

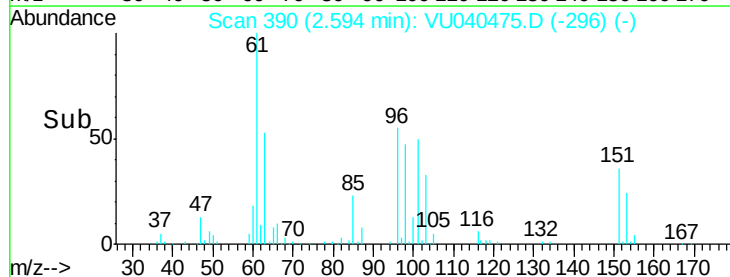
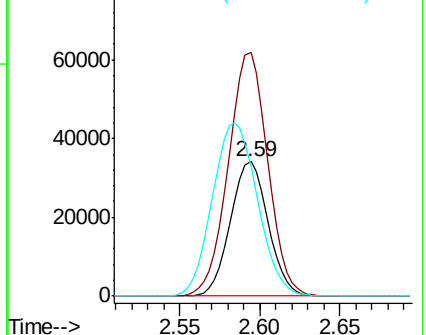
63 96.6 67.8 126.0

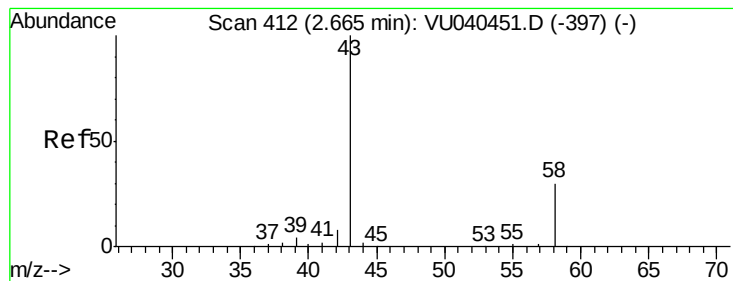


Abundance Ion 96.00 (95.70 to 96.70): VU040475.D (-296) (-)

Ion 61.05 (60.75 to 61.75): VU040475.D (-296) (-)

Ion 63.00 (62.70 to 63.70): VU040475.D (-296) (-)





#13

Acetone

Concen: 49.889 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.00 min

Lab File: VU040475.D

Acq: 02 Oct 2020 21:21

Instrument :

MSVOA_U

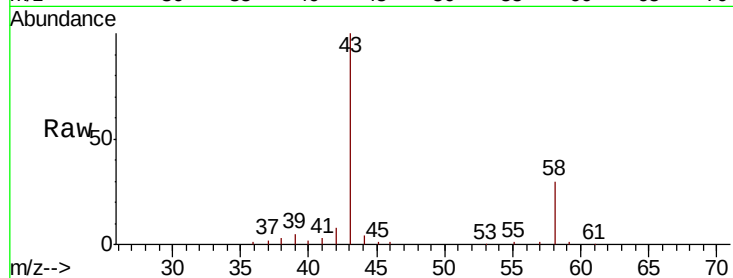
ClientSampled :

Tot Ion: 43 Resp: 130449

Ion Ratio Lower Upper

43 100

58 30.4 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU040475.D (-397) (-)

Ion 58.05 (57.75 to 58.75): VU040475.D (-397) (-)

2.67

30000

25000

20000

15000

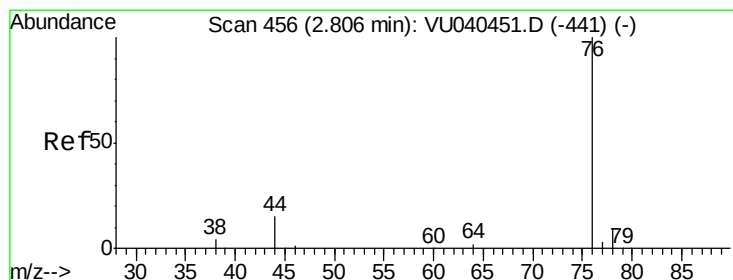
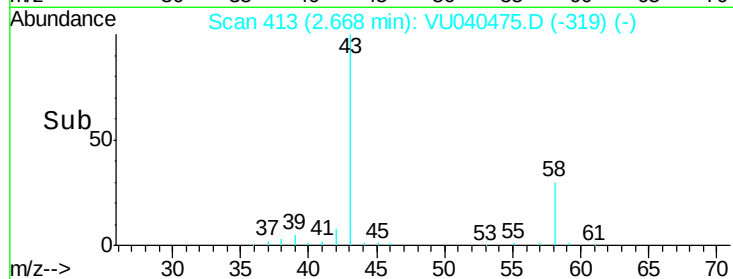
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5000

0

2.60 2.70 2.80 2.90

Time-->



#14

Carbon disulfide

Concen: 5.154 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040475.D

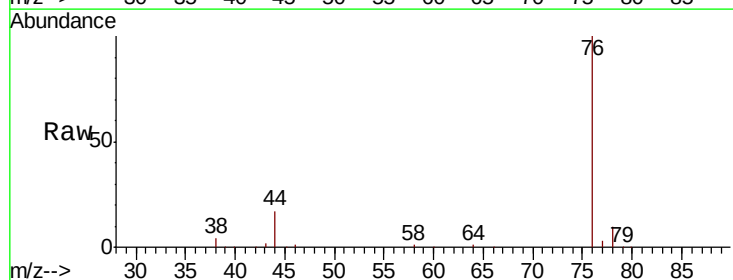
Acq: 02 Oct 2020 21:21

Tgt Ion: 76 Resp: 158299

Ion Ratio Lower Upper

76 100

78 9.8 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU040475.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU040475.D (-363) (-)

2.81

100000

80000

60000

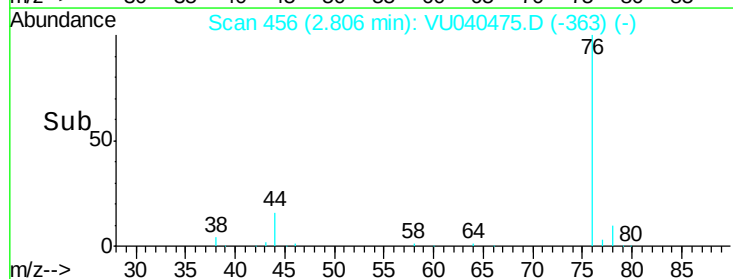
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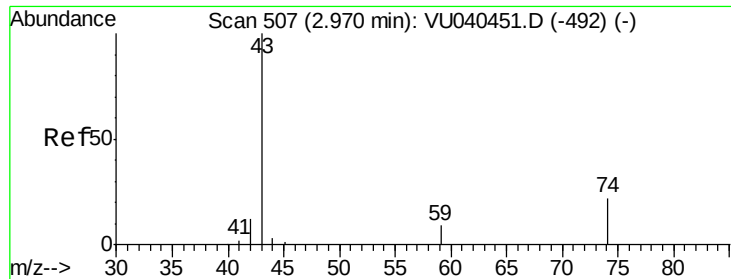
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0

2.75 2.80 2.85 2.90

Time-->





#15

Methyl Acetate

Concen: 5.156 ug/L

RT: 2.97 min Scan# 508

Delta R.T. 0.00 min

Lab File: VU040475.D

Acq: 02 Oct 2020 21:21

Instrument :

MSVOA_U

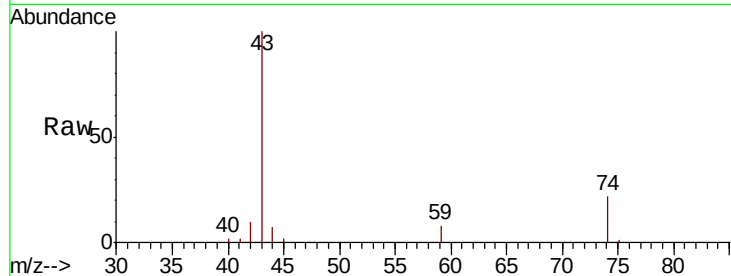
ClientSampled :

Tot Ion: 43 Resp: 32470

Ion Ratio Lower Upper

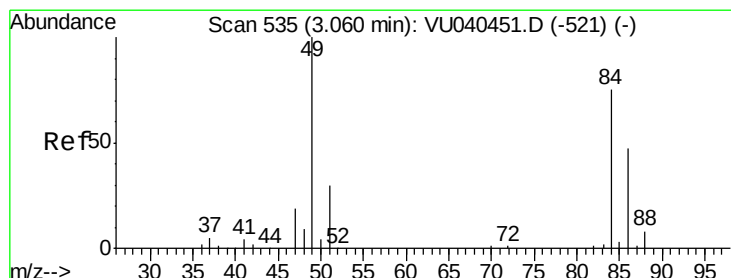
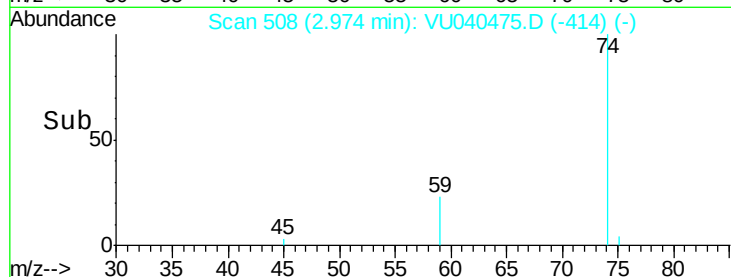
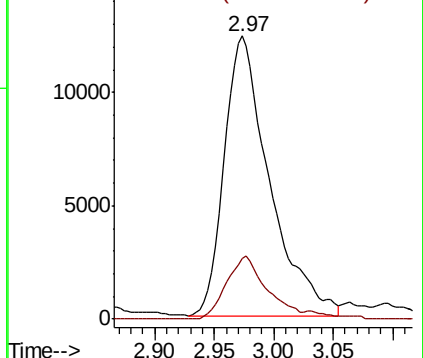
43 100

74 20.2 16.3 24.5



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 5.127 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU040475.D

Acq: 02 Oct 2020 21:21

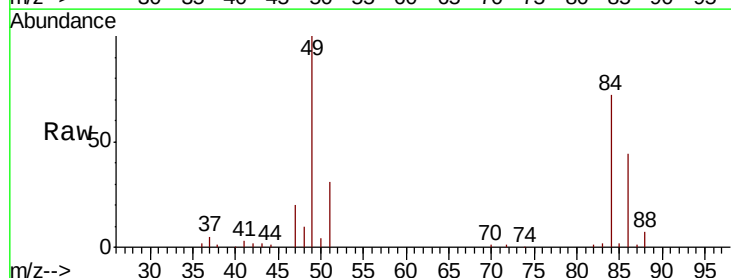
Tgt Ion: 84 Resp: 62585

Ion Ratio Lower Upper

84 100

86 60.8 44.4 82.5

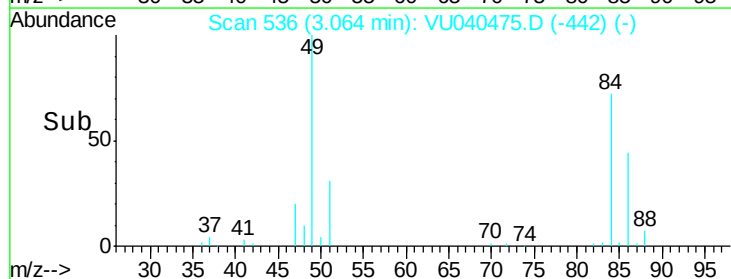
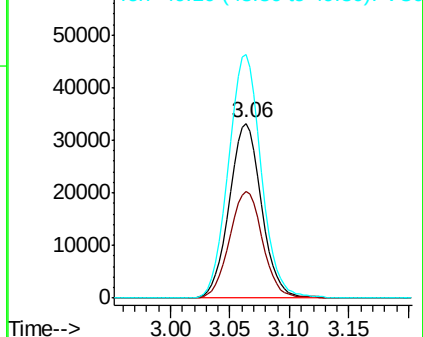
49 139.3 92.2 171.2

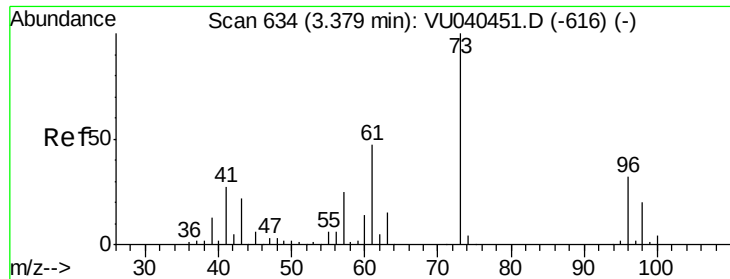


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

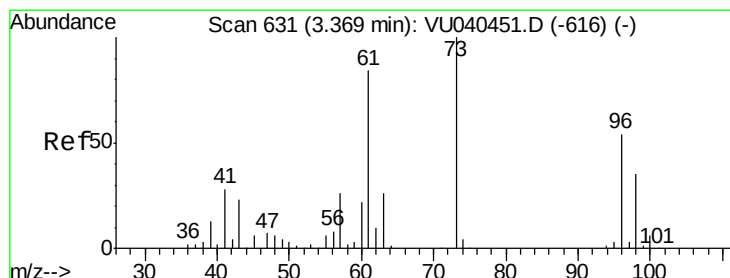
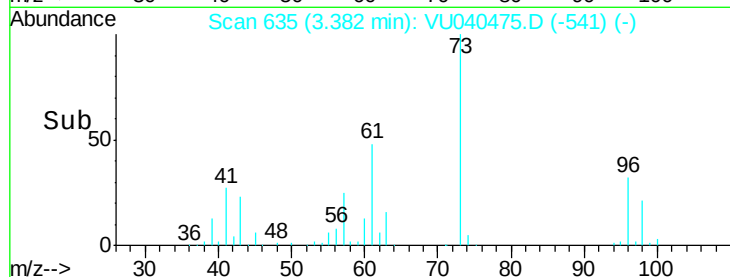
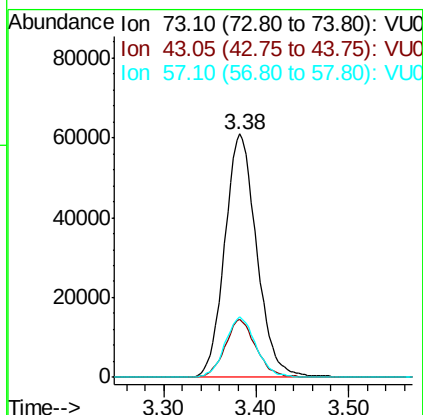
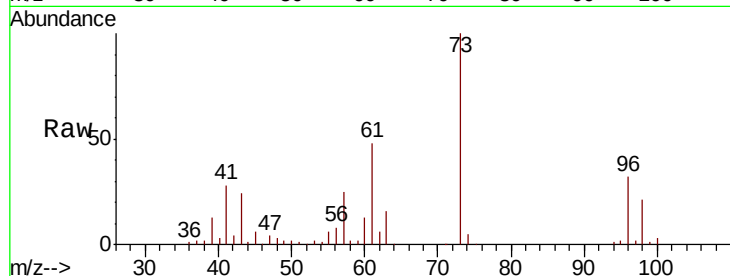




#17
Methyl tert-butyl Ether
Concen: 5.451 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040475.D
Acq: 02 Oct 2020 21:21

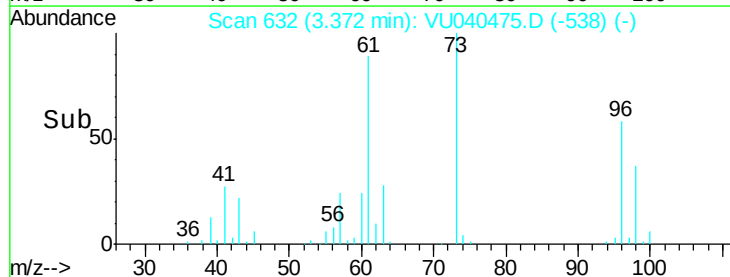
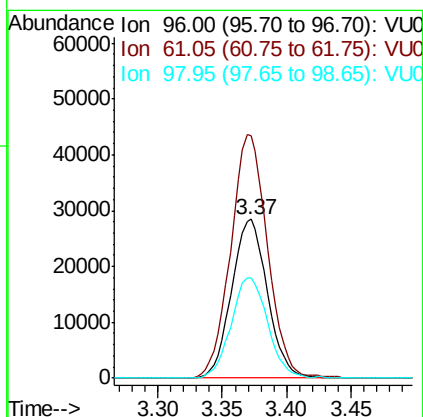
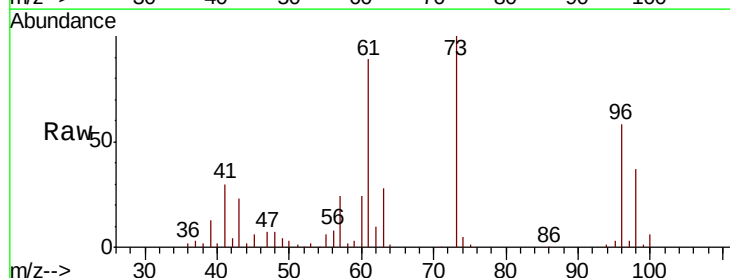
Instrument :
MSVOA_U
ClientSampleId :

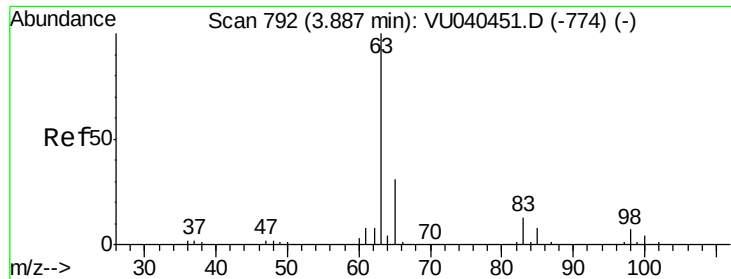
Tot Ion: 73 Resp: 145939
Ion Ratio Lower Upper
73 100
43 23.0 19.0 28.4
57 24.1 18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 5.462 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU040475.D
Acq: 02 Oct 2020 21:21

Tgt Ion: 96 Resp: 54885
Ion Ratio Lower Upper
96 100
61 153.1 109.3 203.1
98 62.9 45.8 85.0

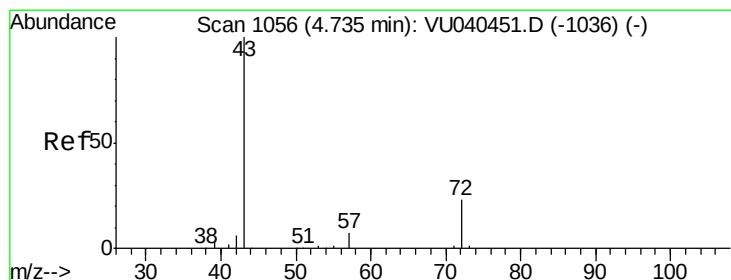
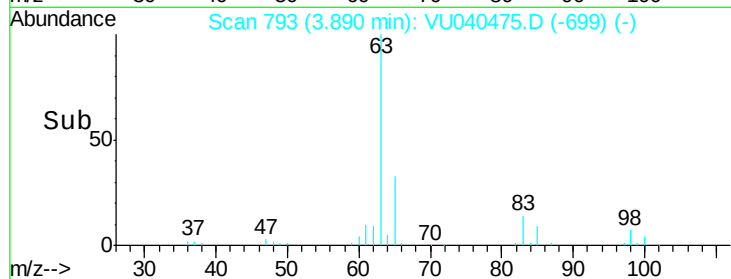
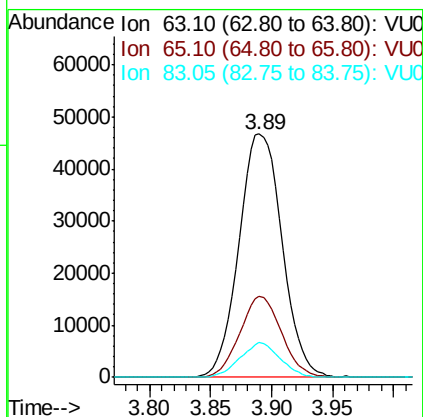
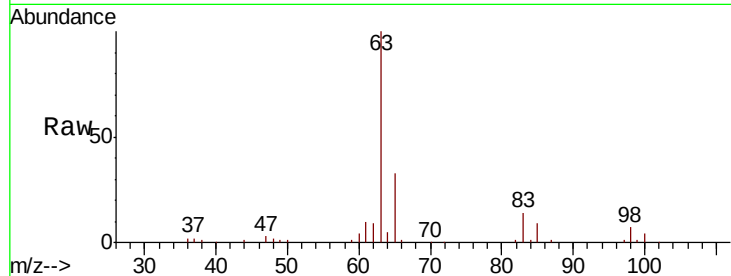




#19
 1,1-Dichloroethane
 Concen: 5.545 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU040475.D
 Acq: 02 Oct 2020 21:21

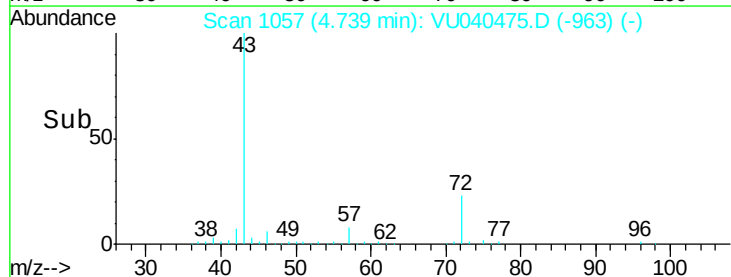
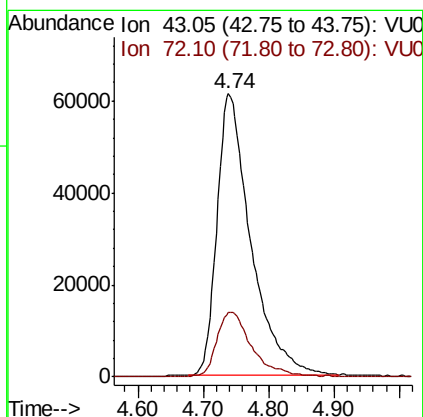
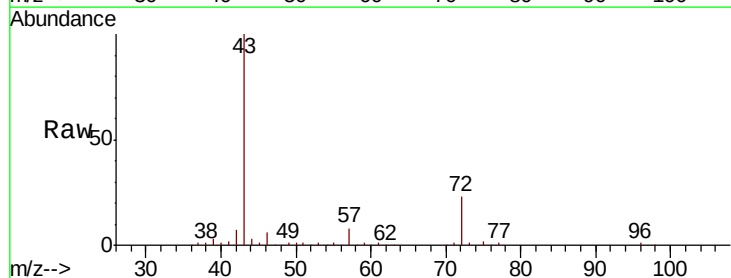
Instrument :
 MSVOA_U
 ClientSampleId :

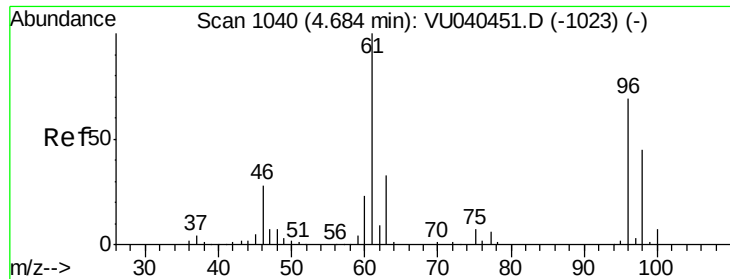
Tot Ion: 63 Resp: 114358
 Ion Ratio Lower Upper
 63 100
 65 33.4 21.7 40.3
 83 14.1 9.1 16.9



#21
 2-Butanone
 Concen: 52.438 ug/L
 RT: 4.74 min Scan# 1057
 Delta R.T. 0.00 min
 Lab File: VU040475.D
 Acq: 02 Oct 2020 21:21

Tgt Ion: 43 Resp: 220083
 Ion Ratio Lower Upper
 43 100
 72 23.0 12.0 36.1

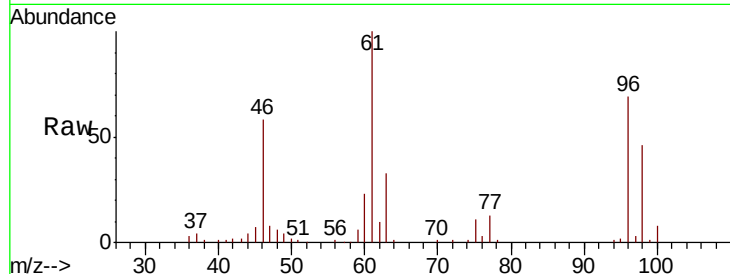




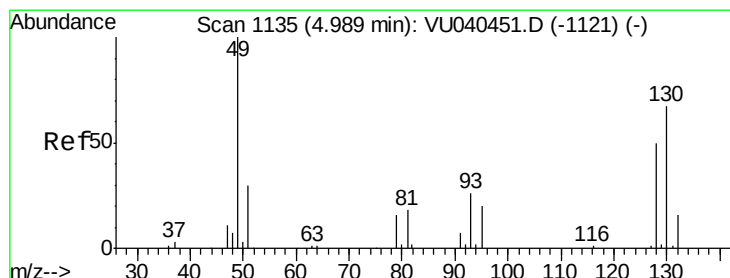
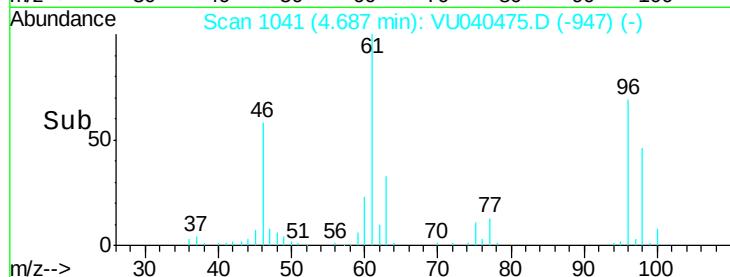
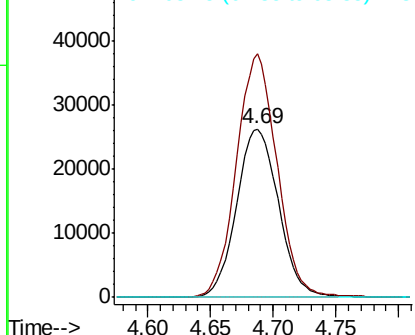
#22
 cis-1,2-Dichloroethene
 Concen: 5.488 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU040475.D
 Acq: 02 Oct 2020 21:21

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 96 Resp: 61000
 Ion Ratio Lower Upper
 96 100
 61 144.7 99.3 184.5
 68 0.0 0.0 0.0

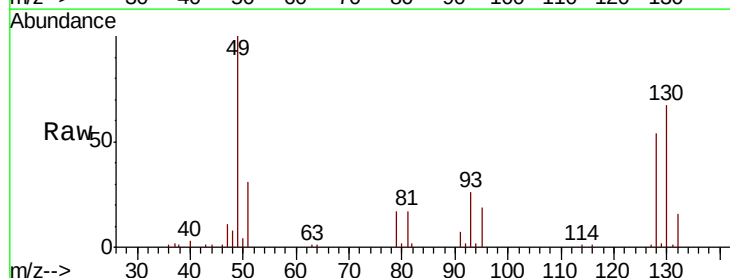


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

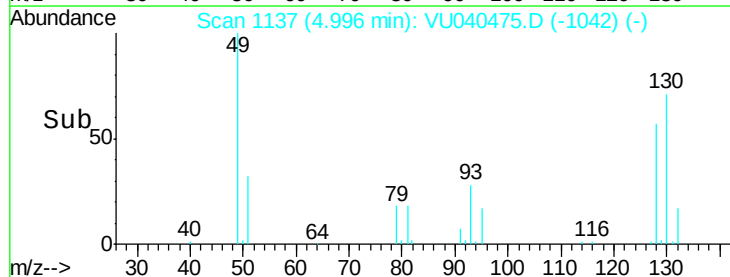
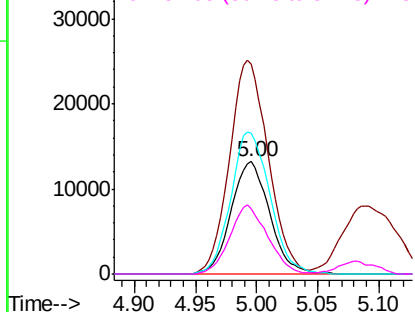


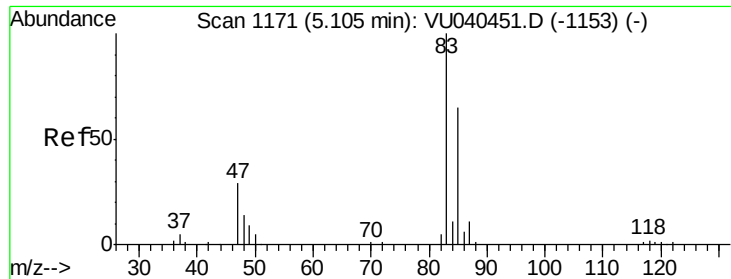
#23
 Bromochloromethane
 Concen: 5.706 ug/L
 RT: 5.00 min Scan# 1137
 Delta R.T. 0.01 min
 Lab File: VU040475.D
 Acq: 02 Oct 2020 21:21

Tgt Ion: 128 Resp: 29037
 Ion Ratio Lower Upper
 128 100
 49 186.6 134.6 250.0
 130 125.4 91.1 169.1
 51 58.7 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

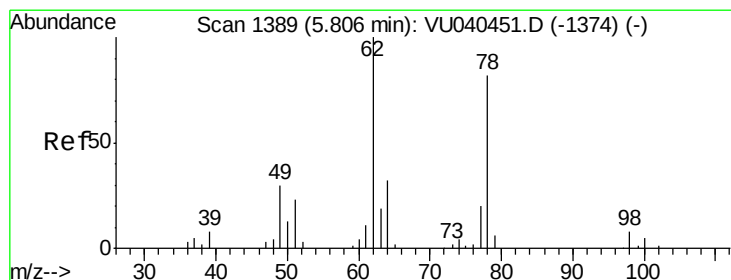
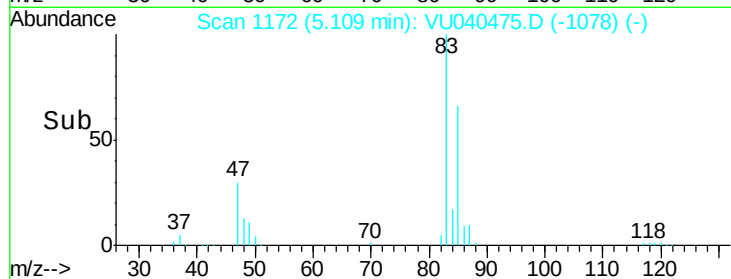
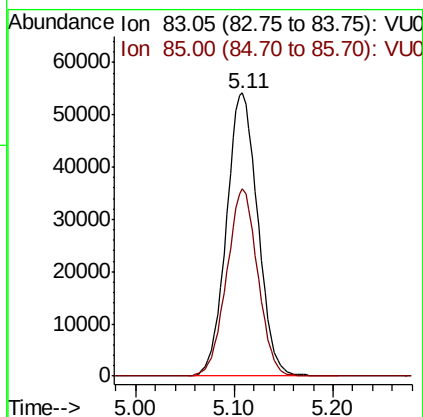
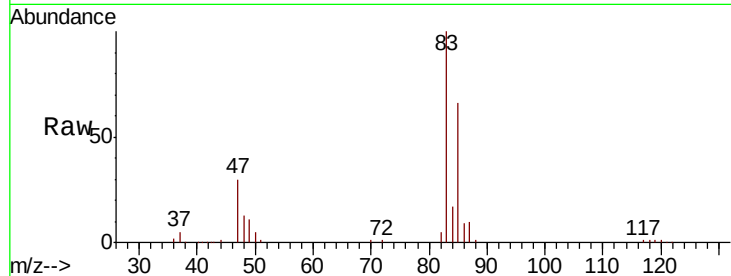




#25
Chloroform
Concen: 5.703 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040475.D
Acq: 02 Oct 2020 21:21

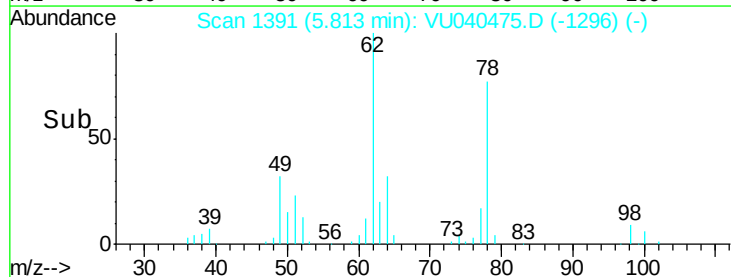
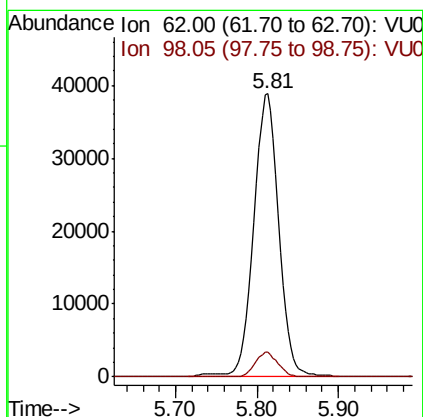
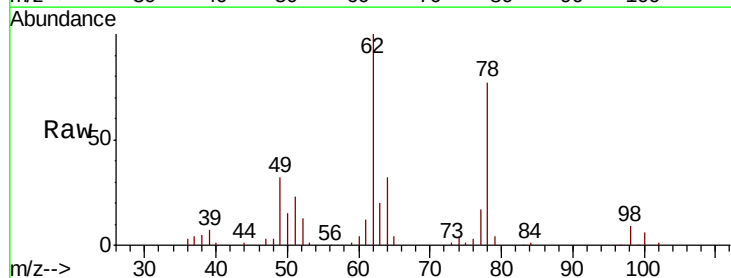
Instrument :
MSVOA_U
ClientSampleId :

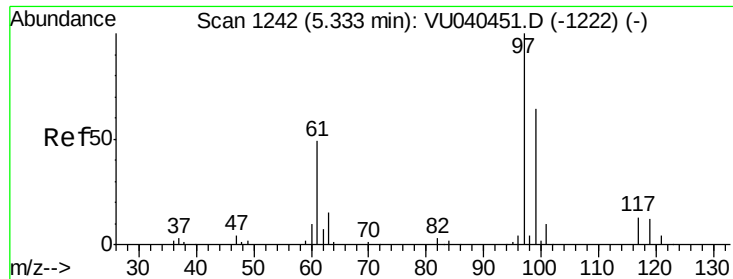
Tot Ion: 83 Resp: 119977
Ion Ratio Lower Upper
83 100
85 66.3 44.6 82.8



#27
1,2-Dichloroethane
Concen: 5.640 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.01 min
Lab File: VU040475.D
Acq: 02 Oct 2020 21:21

Tgt Ion: 62 Resp: 82158
Ion Ratio Lower Upper
62 100
98 8.6 7.5 11.3

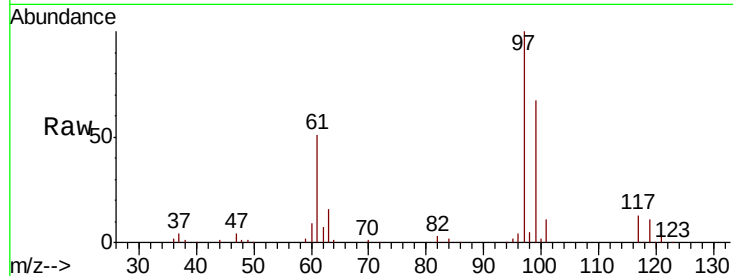




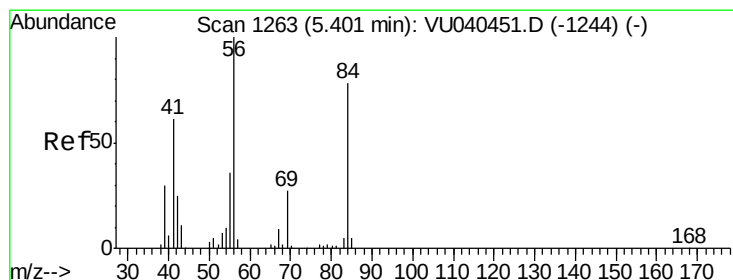
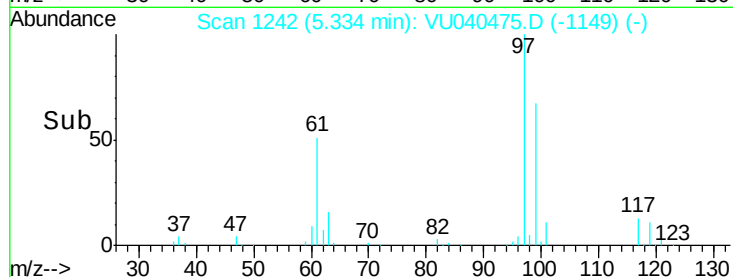
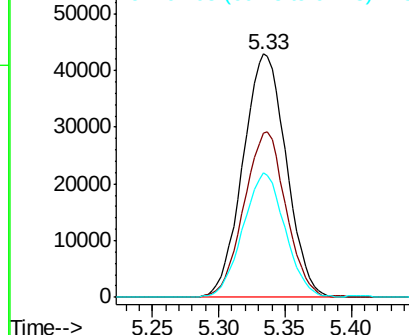
#29
 1,1,1-Trichloroethane
 Concen: 5.757 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU040475.D
 Acq: 02 Oct 2020 21:21

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	97	Resp	97609
Ion	Ratio	Lower	Upper
97	100		
99	66.0	50.7	76.1
61	49.8	39.7	59.5

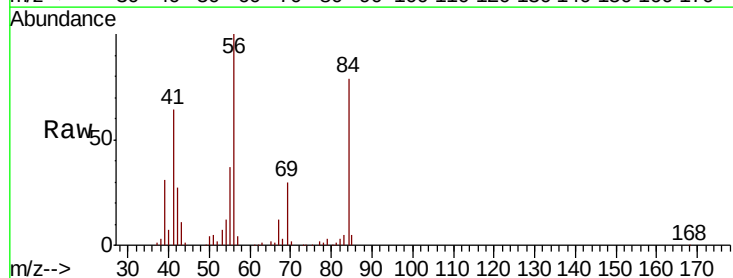


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

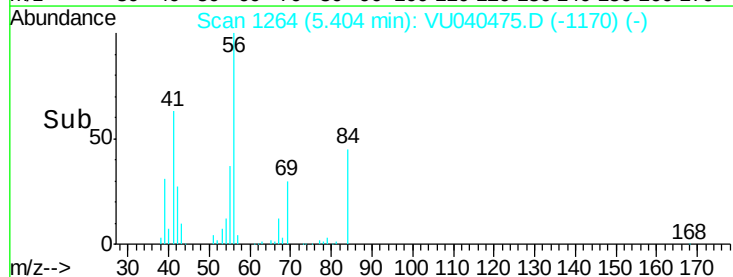
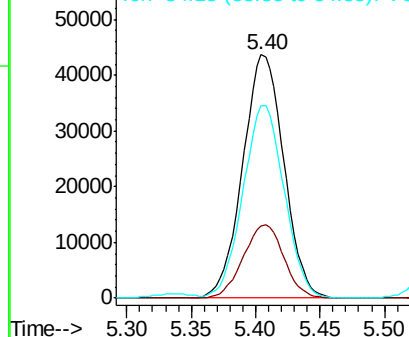


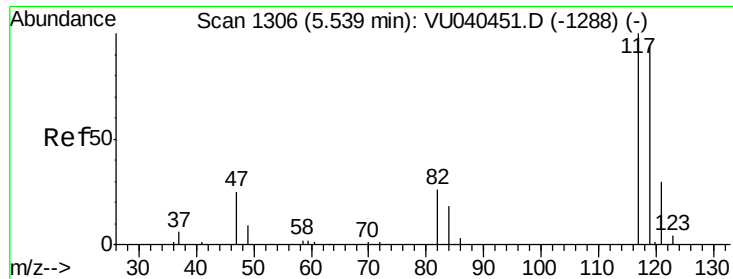
#30
 Cyclohexane
 Concen: 5.530 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU040475.D
 Acq: 02 Oct 2020 21:21

Tgt Ion	56	Resp	97012
Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.3	34.9
84	79.6	64.2	96.4



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.692 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU040475.D

Acq: 02 Oct 2020 21:21

Instrument :

MSVOA_U

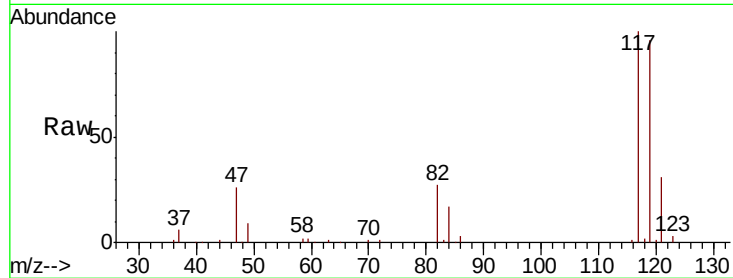
ClientSampleId :

Tot Ion:117 Resp: 82750

Ion Ratio Lower Upper

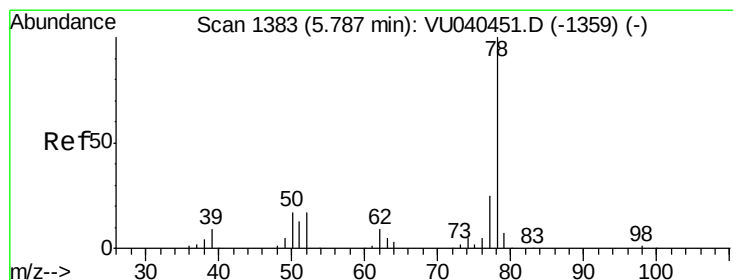
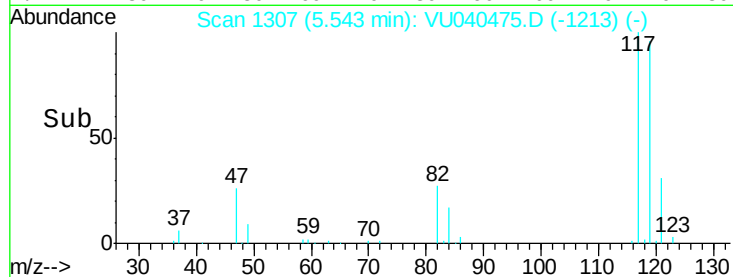
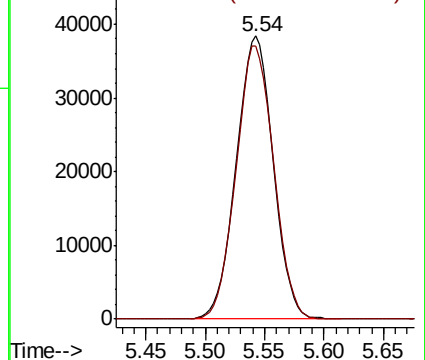
117 100

119 98.2 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: 5.845 ug/L

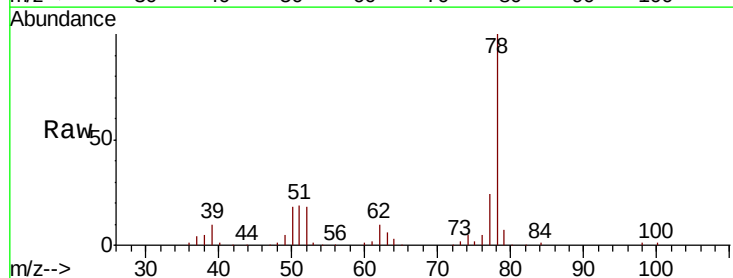
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

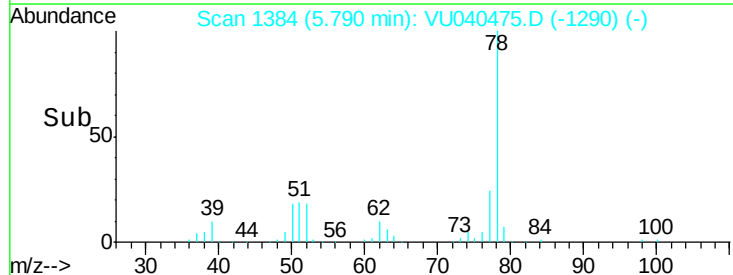
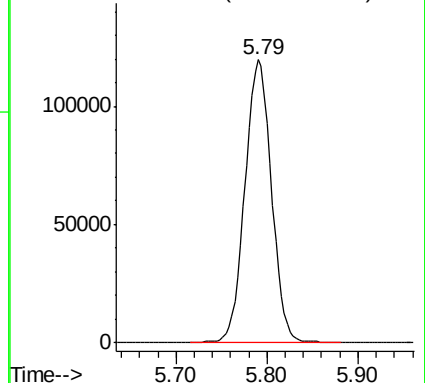
Lab File: VU040475.D

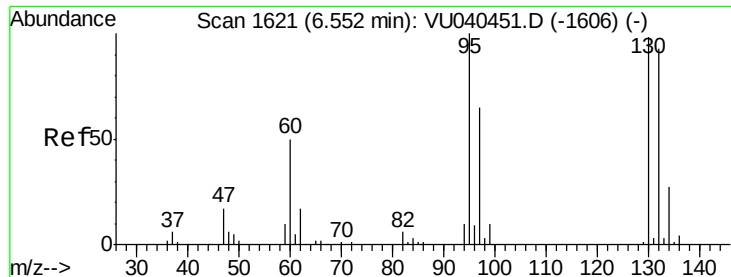
Acq: 02 Oct 2020 21:21

Tgt Ion: 78 Resp: 243263



Abundance Ion 78.10 (77.80 to 78.80): VU0

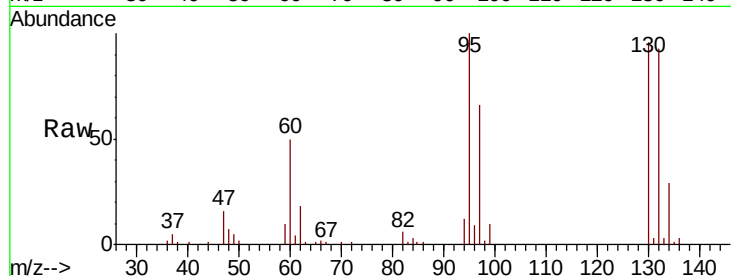




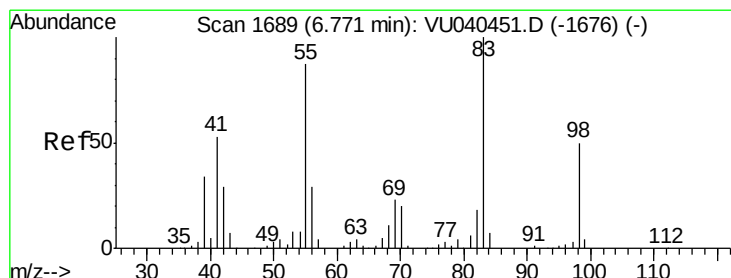
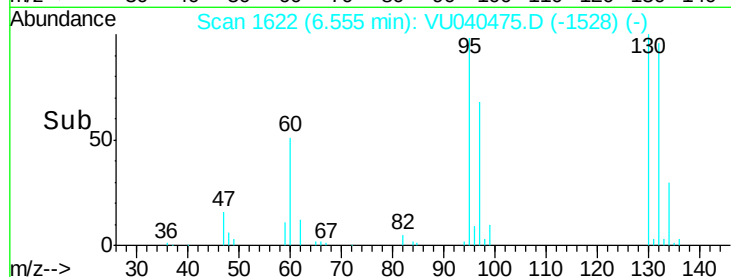
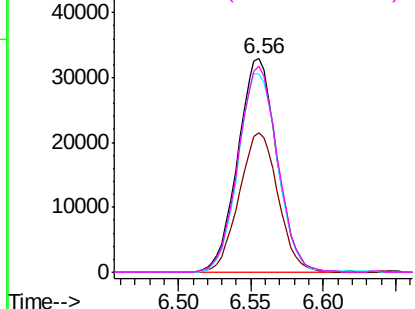
#34
 Trichloroethene
 Concen: 5.590 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU040475.D
 Acq: 02 Oct 2020 21:21

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 61762
 Ion Ratio Lower Upper
 95 100
 97 65.6 46.3 85.9
 132 92.8 60.5 112.3
 130 96.3 64.3 119.3

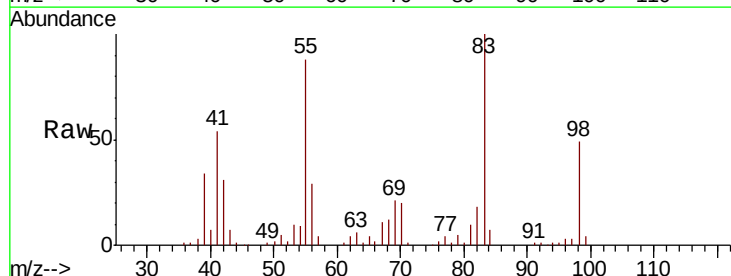


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

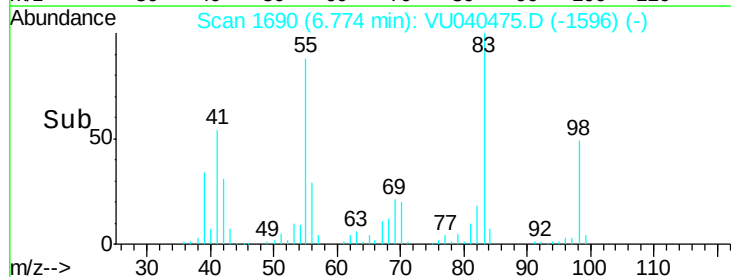
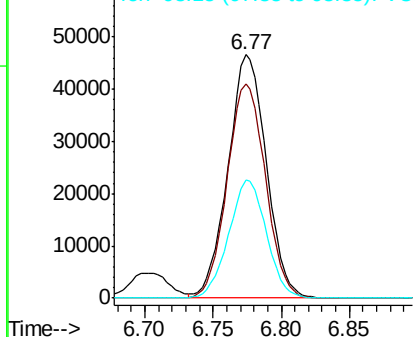


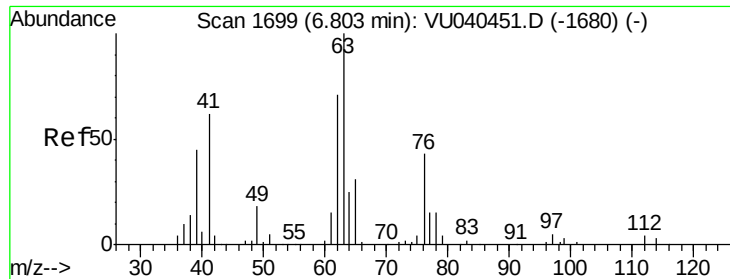
#35
 Methylcyclohexane
 Concen: 5.615 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU040475.D
 Acq: 02 Oct 2020 21:21

Tgt Ion: 83 Resp: 90995
 Ion Ratio Lower Upper
 83 100
 55 87.8 71.4 107.2
 98 47.5 38.5 57.7



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

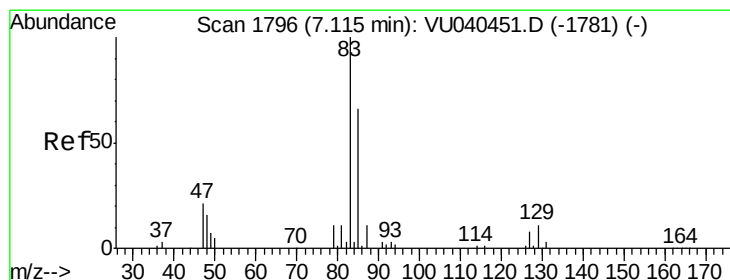
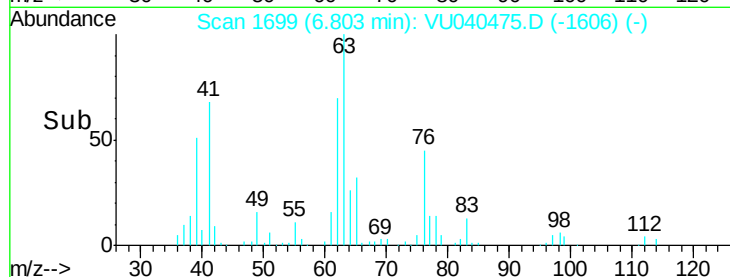
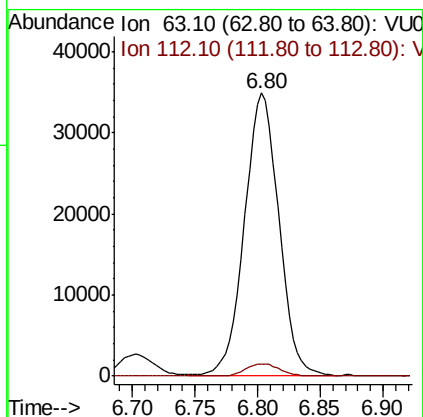
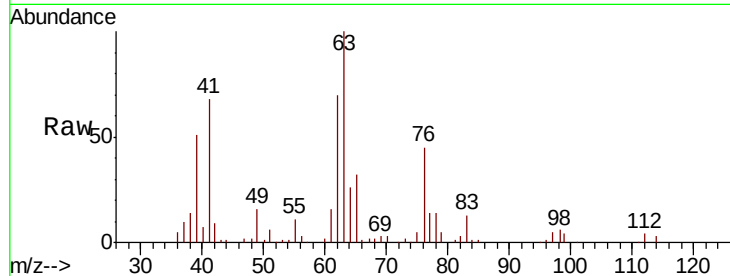




#37
 1,2-Dichloropropane
 Concen: 5.740 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU040475.D
 Acq: 02 Oct 2020 21:21

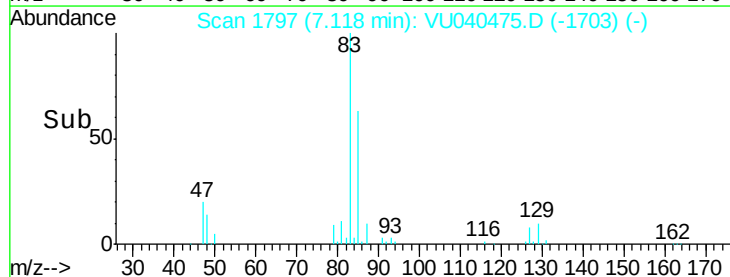
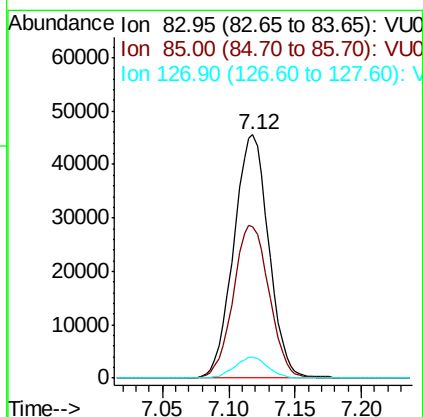
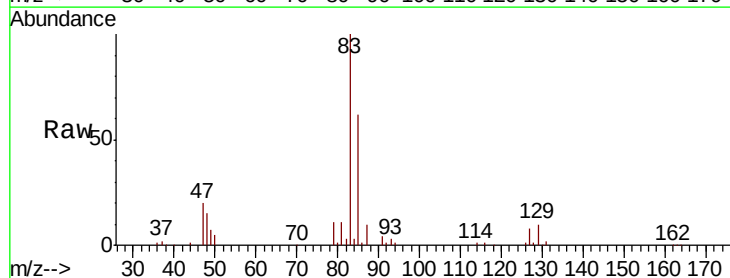
Instrument :
 MSVOA_U
 ClientSampleId :

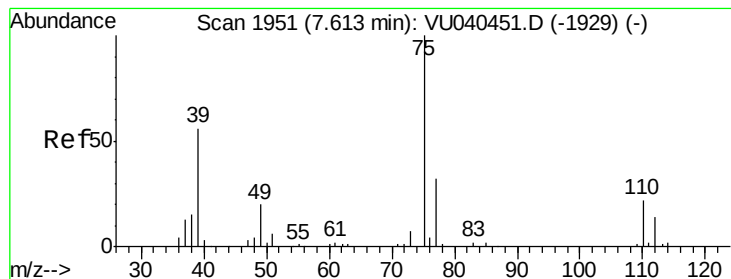
Tot Ion: 63 Resp: 66523
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.2 4.8



#38
 Bromodichloromethane
 Concen: 5.853 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU040475.D
 Acq: 02 Oct 2020 21:21

Tgt Ion: 83 Resp: 83755
 Ion Ratio Lower Upper
 83 100
 85 62.0 45.1 83.9
 127 8.4 6.6 9.8



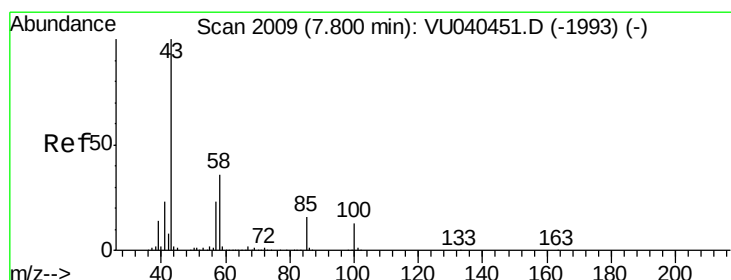
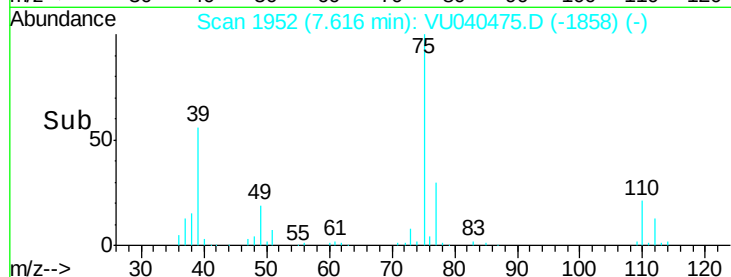
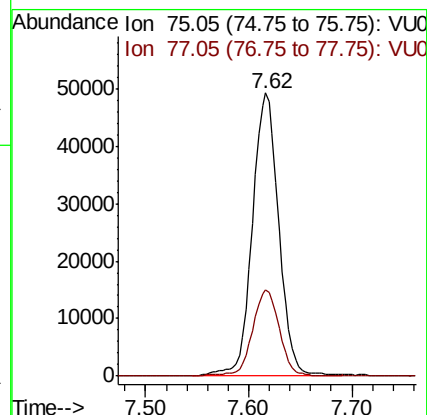
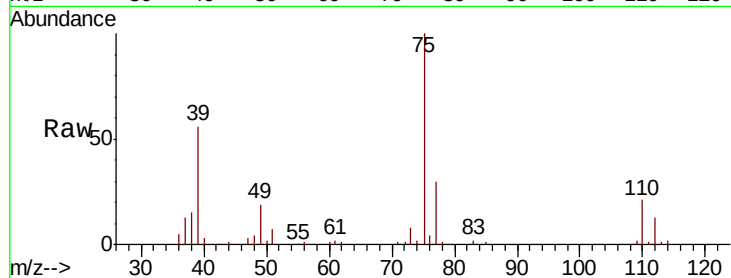


#39

cis-1,3-Dichloropropene
Concen: 5.634 ug/L
RT: 7.62 min Scan# 1952
Delta R.T. 0.00 min
Lab File: VU040475.D
Acq: 02 Oct 2020 21:21

Instrument :
MSVOA_U
ClientSampled :

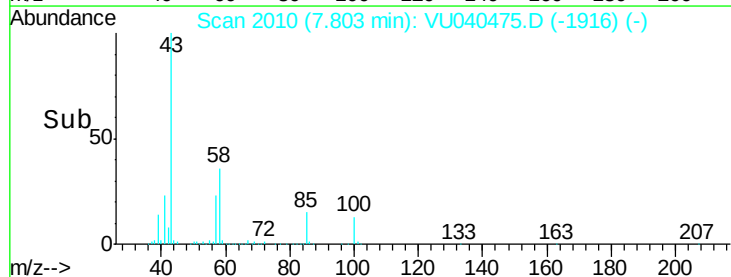
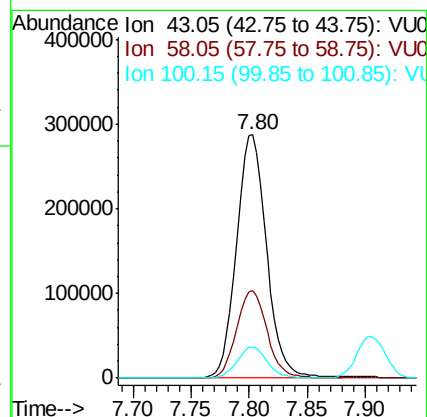
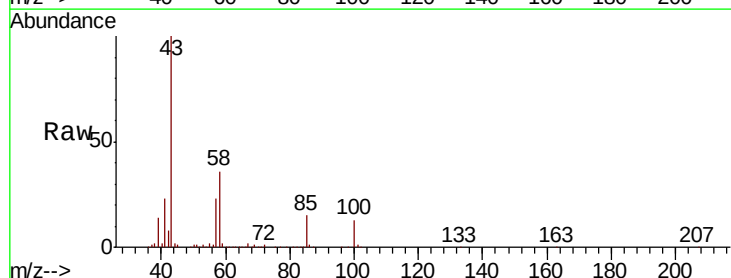
Tot Ion: 75 Resp: 87568
Ion Ratio Lower Upper
75 100
77 30.4 23.5 43.7

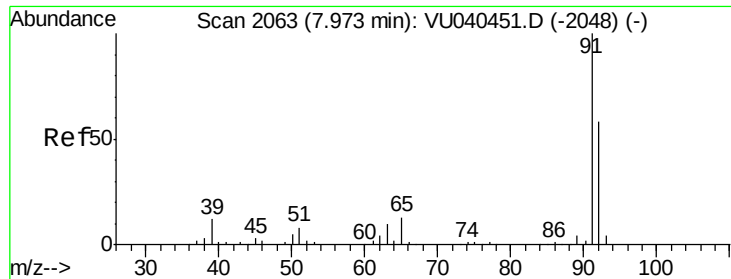


#40

4-Methyl-2-pentanone
Concen: 56.784 ug/L
RT: 7.80 min Scan# 2010
Delta R.T. 0.00 min
Lab File: VU040475.D
Acq: 02 Oct 2020 21:21

Tgt Ion: 43 Resp: 515362
Ion Ratio Lower Upper
43 100
58 36.5 29.2 43.8
100 12.8 10.3 15.5





#42

Toluene

Concen: 5.982 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040475.D

Acq: 02 Oct 2020 21:21

Instrument :

MSVOA_U

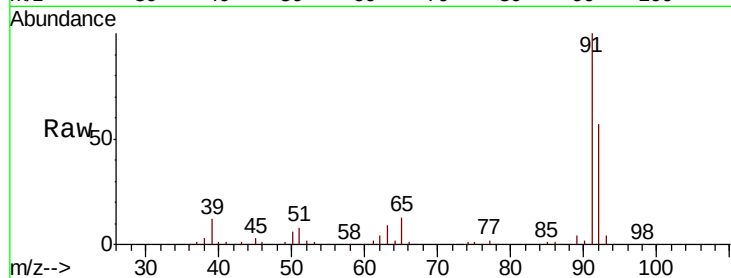
ClientSampleId :

Tot Ion: 91 Resp: 255275

Ion Ratio Lower Upper

91 100

92 56.9 40.0 74.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.98

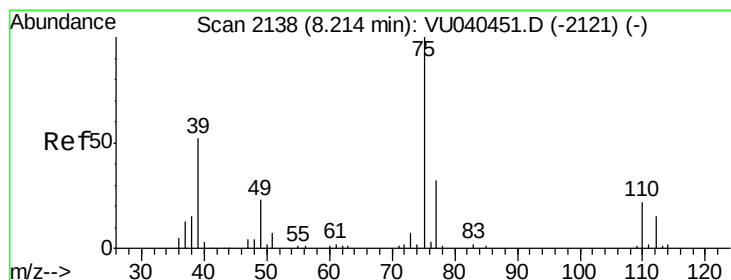
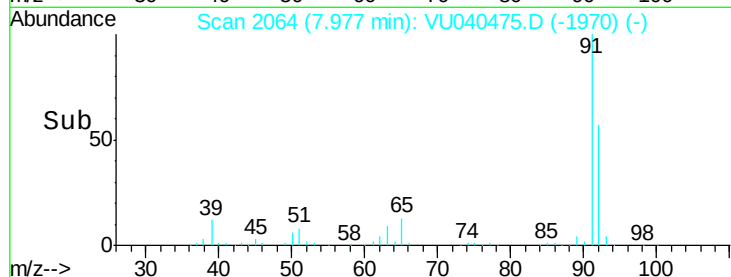
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.590 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040475.D

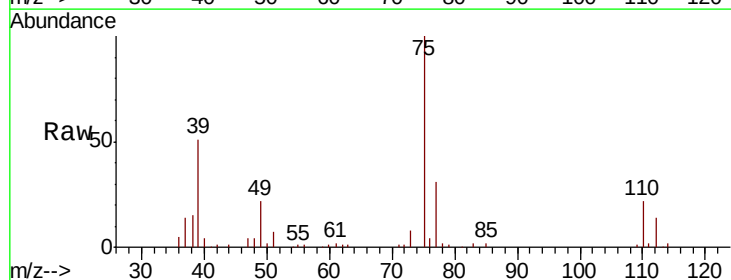
Acq: 02 Oct 2020 21:21

Tgt Ion: 75 Resp: 80105

Ion Ratio Lower Upper

75 100

77 30.9 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.22

50000

40000

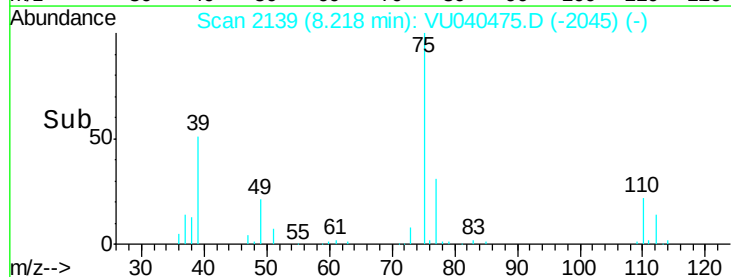
30000

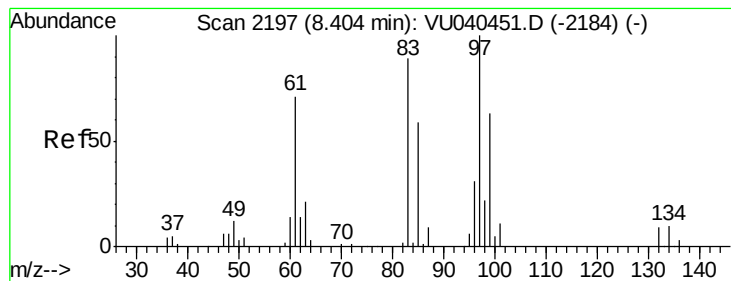
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.817 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU040475.D

Acq: 02 Oct 2020 21:21

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 47257

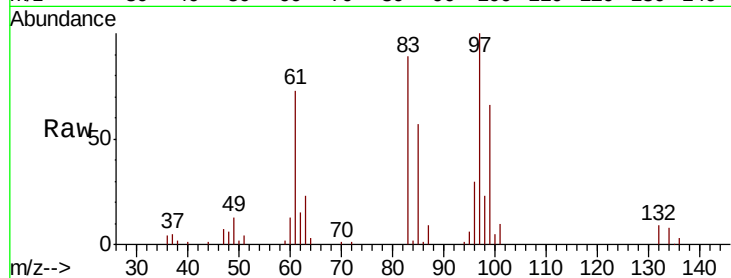
Ion Ratio Lower Upper

97 100

99 66.4 45.8 85.0

83 89.0 62.9 116.9

85 56.9 41.7 77.5



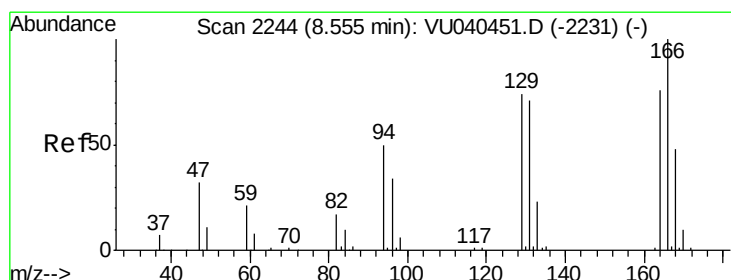
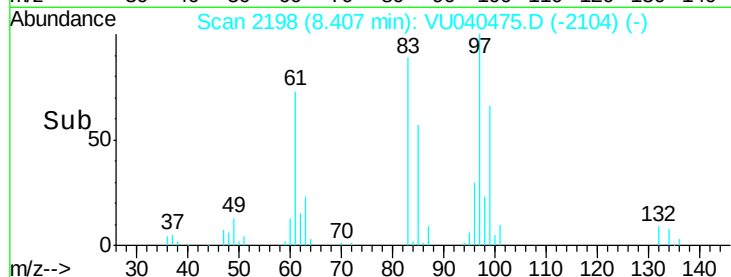
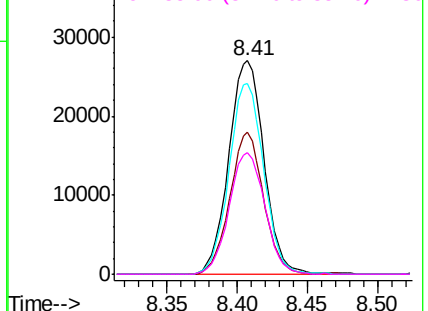
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 5.596 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040475.D

Acq: 02 Oct 2020 21:21

Tgt Ion: 164 Resp: 43894

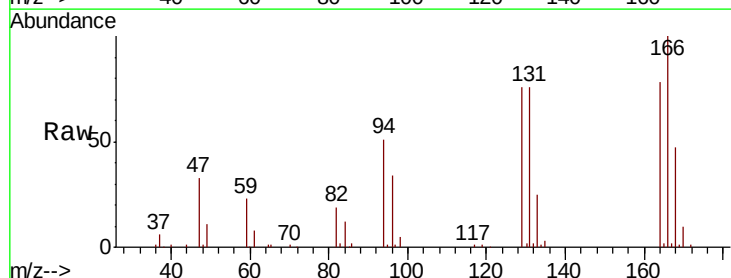
Ion Ratio Lower Upper

164 100

129 96.7 70.3 130.7

131 97.0 69.2 128.6

166 127.4 91.1 169.3



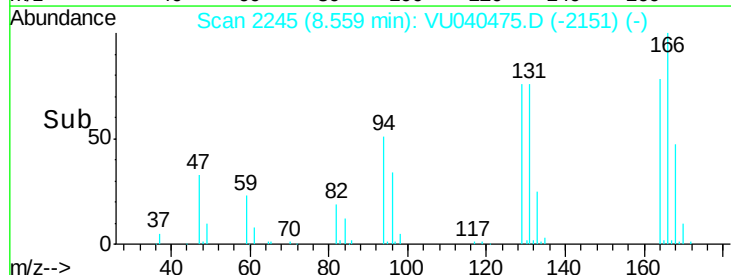
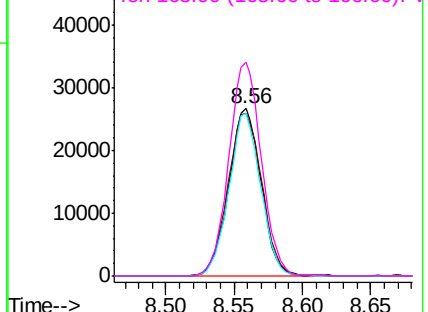
Abundance

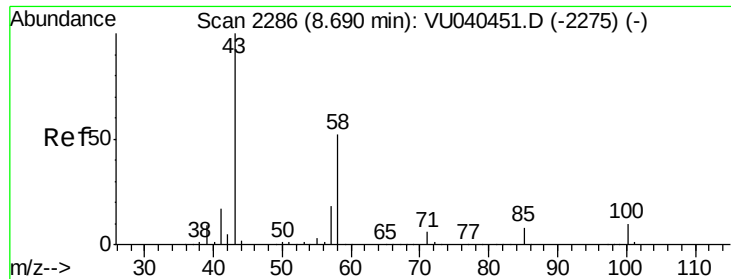
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

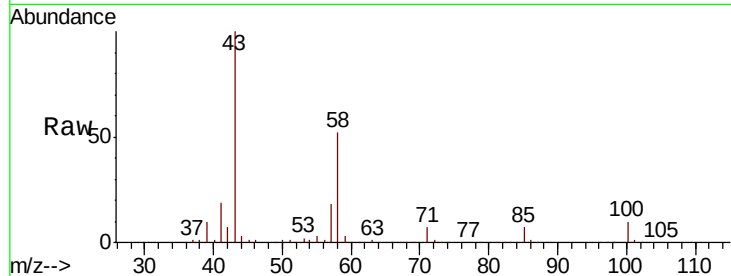




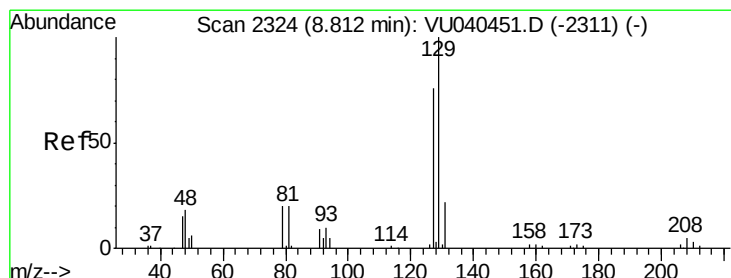
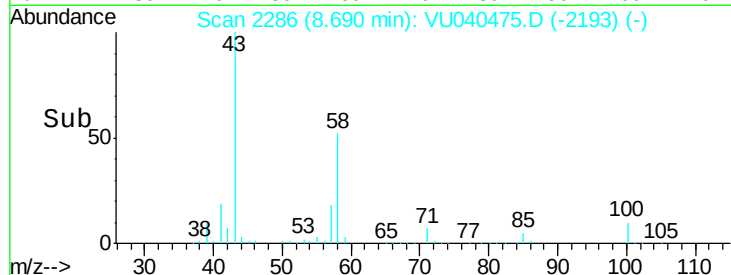
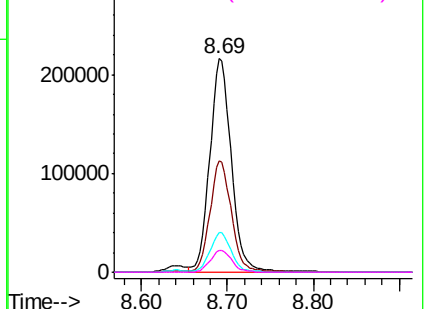
#48
2-Hexanone
Concen: 56.638 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040475.D
Acq: 02 Oct 2020 21:21

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 378777
Ion Ratio Lower Upper
43 100
58 51.4 41.0 61.4
57 18.0 14.6 22.0
100 10.4 8.2 12.4

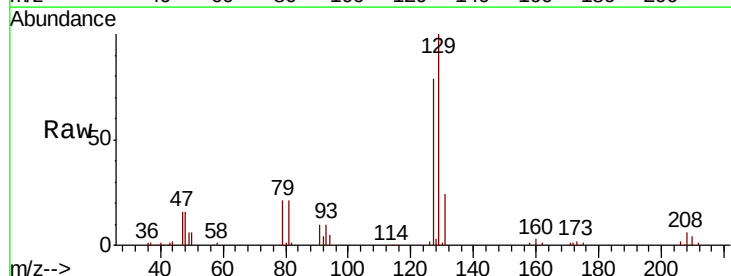


Abundance Ion 43.05 (42.75 to 43.75): VU040475.D (-2193) (-)
Ion 58.05 (57.75 to 58.75): VU040475.D (-2193) (-)
Ion 57.20 (56.90 to 57.90): VU040475.D (-2193) (-)
Ion 100.15 (99.85 to 100.85): VU040475.D (-2193) (-)

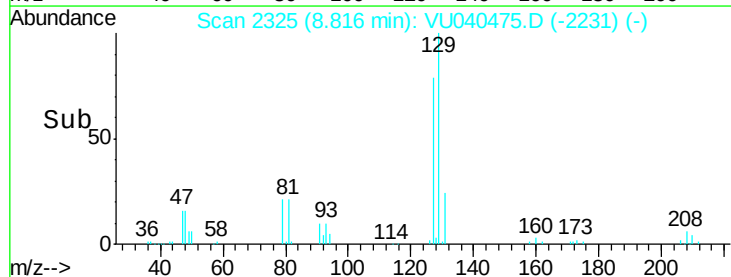
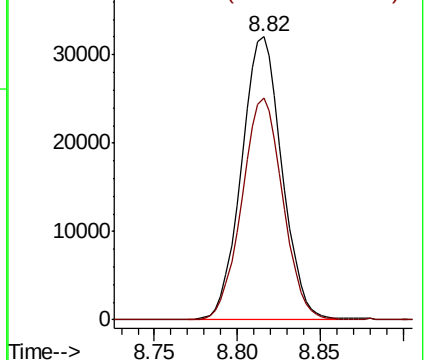


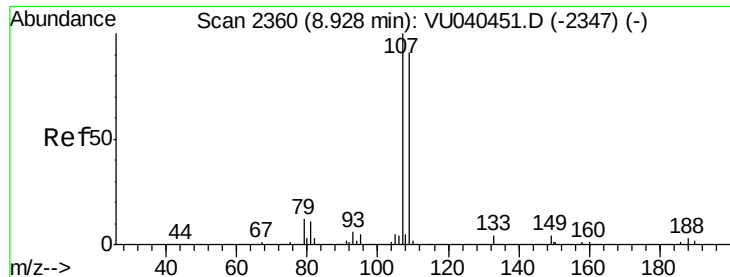
#49
Dibromochloromethane
Concen: 5.755 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040475.D
Acq: 02 Oct 2020 21:21

Tgt Ion: 129 Resp: 54392
Ion Ratio Lower Upper
129 100
127 78.6 55.4 103.0



Abundance Ion 128.95 (128.65 to 129.65): VU040475.D (-2231) (-)
Ion 126.90 (126.60 to 127.60): VU040475.D (-2231) (-)

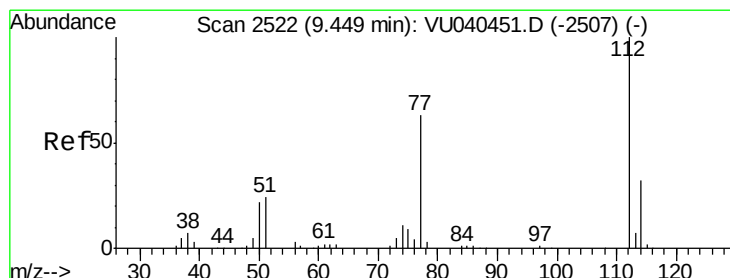
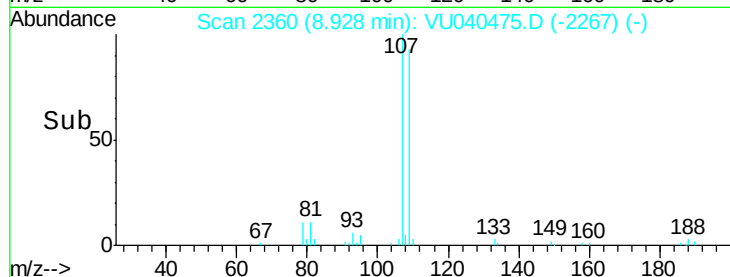
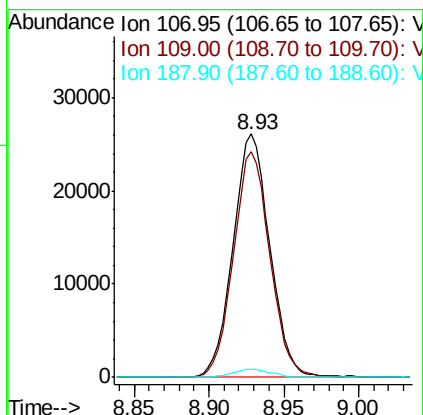
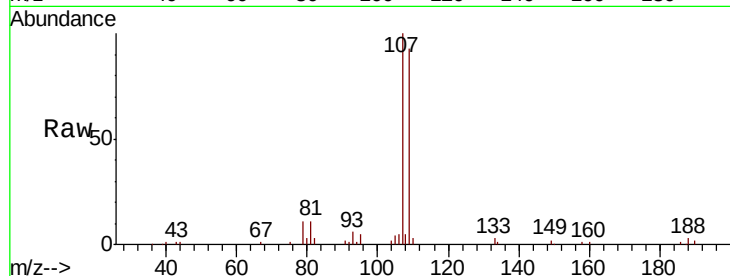




#50
1,2-Dibromoethane
Concen: 5.727 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU040475.D
Acq: 02 Oct 2020 21:21

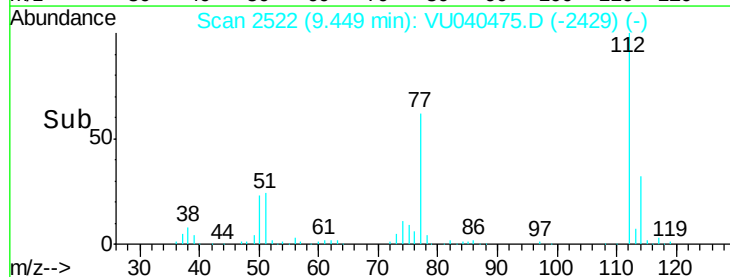
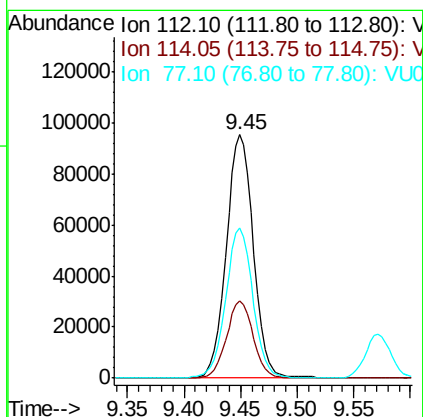
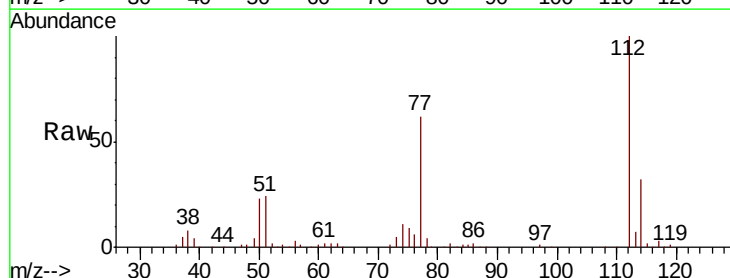
Instrument :
MSVOA_U
ClientSampleId :

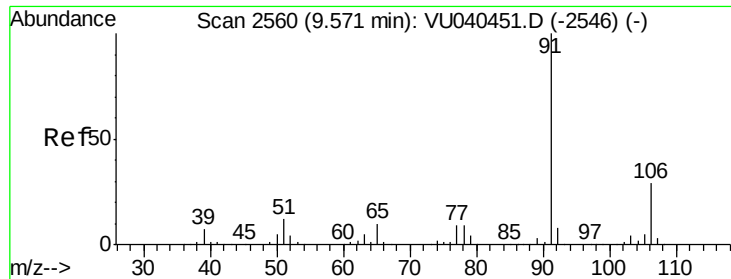
Tot Ion:107 Resp: 44630
Ion Ratio Lower Upper
107 100
109 92.7 69.4 128.8
188 3.2 3.3 4.9#



#51
Chlorobenzene
Concen: 5.743 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU040475.D
Acq: 02 Oct 2020 21:21

Tgt Ion:112 Resp: 158454
Ion Ratio Lower Upper
112 100
114 31.6 22.0 40.8
77 61.6 49.5 74.3

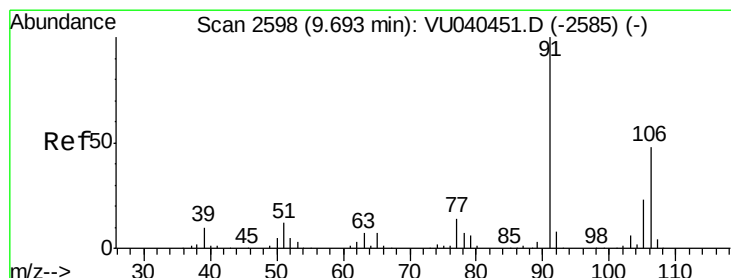
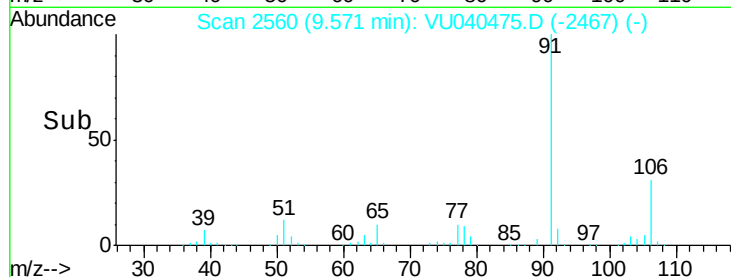
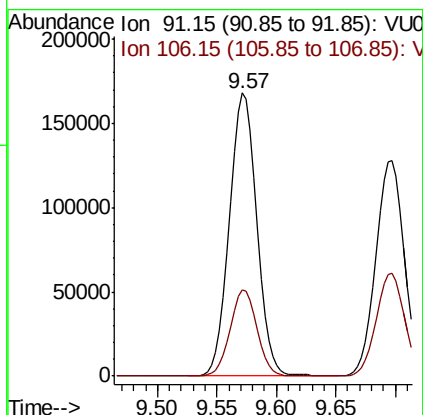
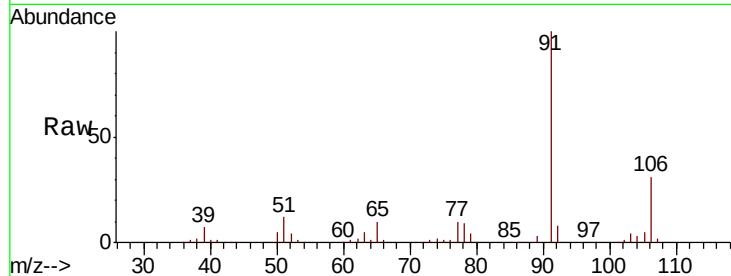




#52
Ethylbenzene
Concen: 5.810 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU040475.D
Acq: 02 Oct 2020 21:21

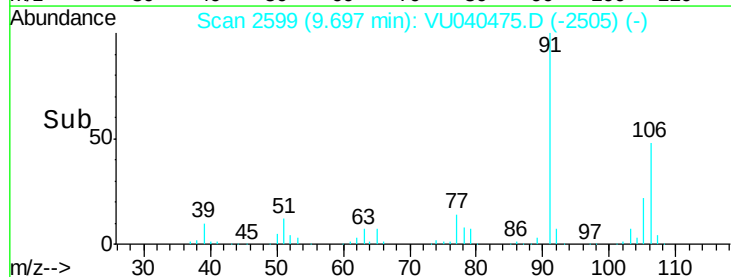
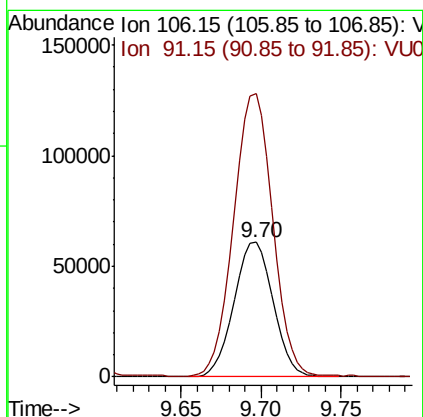
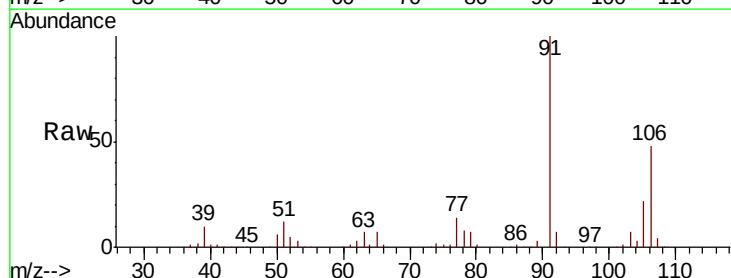
Instrument :
MSVOA_U
ClientSampleId :

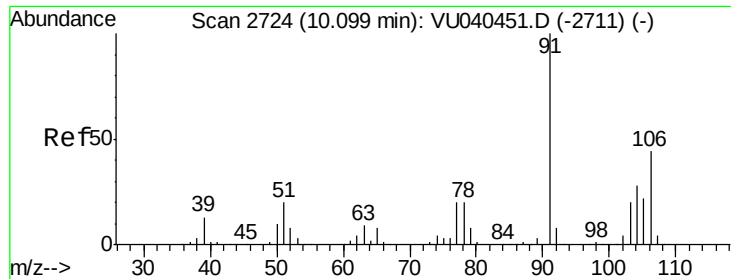
Tot Ion: 91 Resp: 269048
Ion Ratio Lower Upper
91 100
106 30.5 21.1 39.3



#53
m,p-Xylene
Concen: 5.878 ug/L
RT: 9.70 min Scan# 2599
Delta R.T. 0.00 min
Lab File: VU040475.D
Acq: 02 Oct 2020 21:21

Tgt Ion: 106 Resp: 101407
Ion Ratio Lower Upper
106 100
91 210.3 149.0 276.6

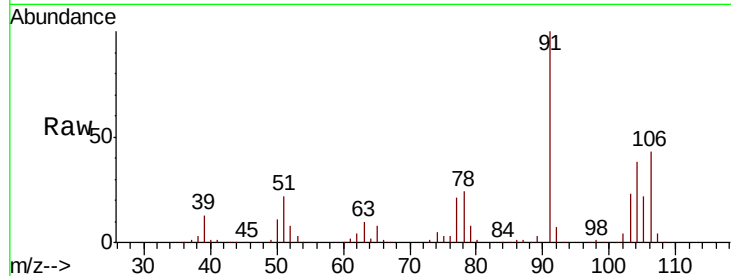




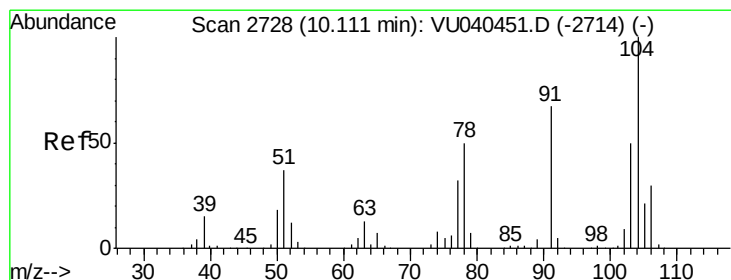
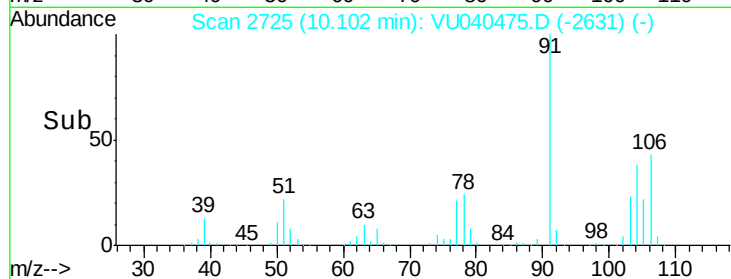
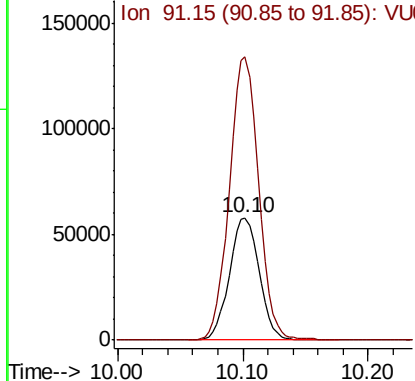
#54
o-Xylene
Concen: 5.900 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040475.D
Acq: 02 Oct 2020 21:21

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 95759
Ion Ratio Lower Upper
106 100
91 231.8 160.9 298.9

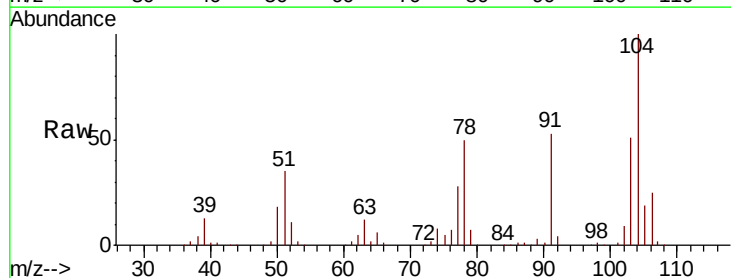


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

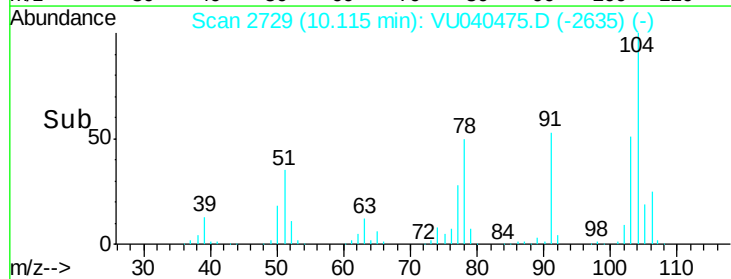
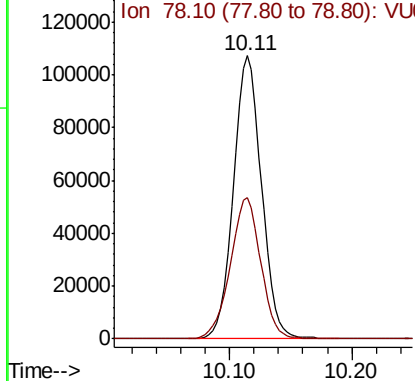


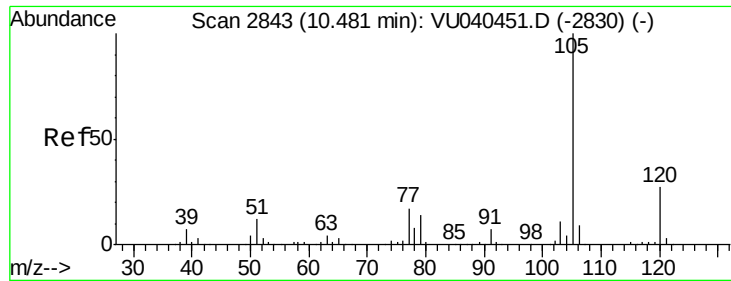
#55
Styrene
Concen: 6.050 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040475.D
Acq: 02 Oct 2020 21:21

Tgt Ion:104 Resp: 171257
Ion Ratio Lower Upper
104 100
78 50.0 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: 5.864 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040475.D

Acq: 02 Oct 2020 21:21

Instrument :

MSVOA_U

ClientSampleId :

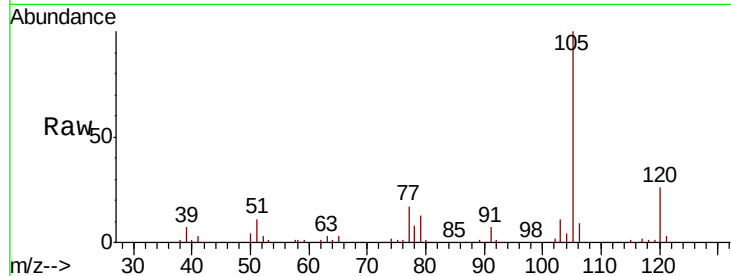
Tot Ion:105 Resp: 256791

Ion Ratio Lower Upper

105 100

120 26.0 20.6 30.8

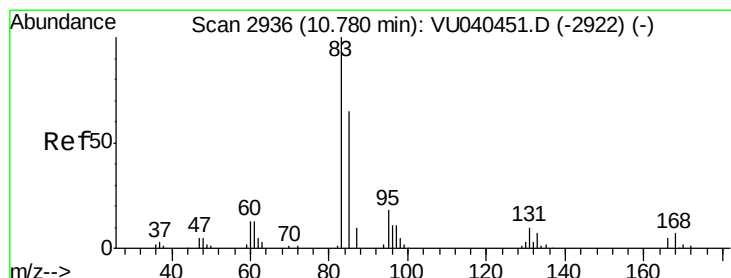
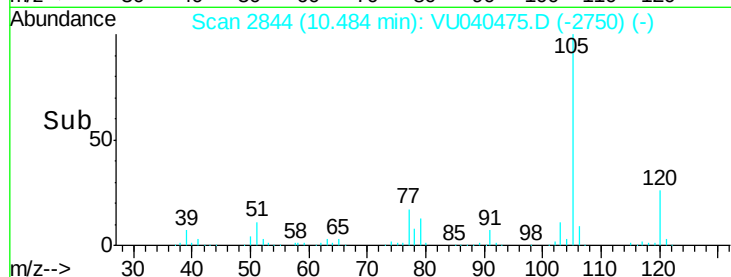
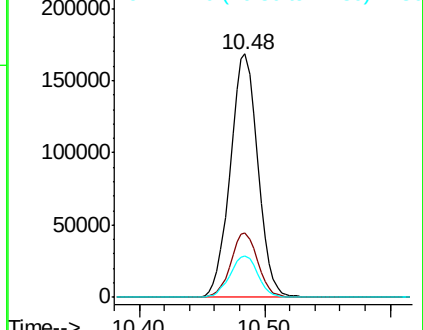
77 17.3 14.3 21.5



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: 5.445 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040475.D

Acq: 02 Oct 2020 21:21

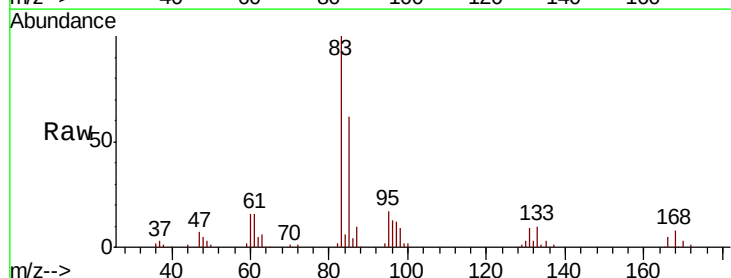
Tgt Ion: 83 Resp: 59950

Ion Ratio Lower Upper

83 100

85 61.7 45.1 83.9

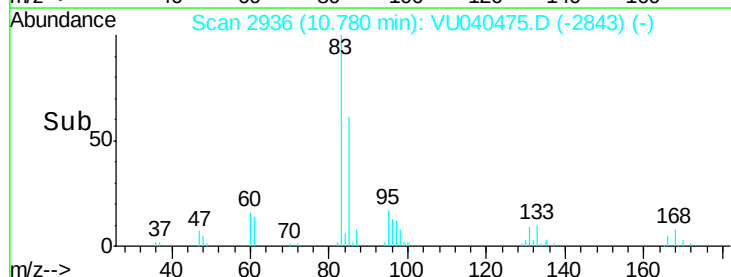
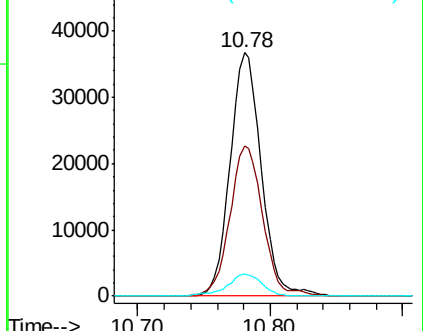
131 9.1 6.6 10.0

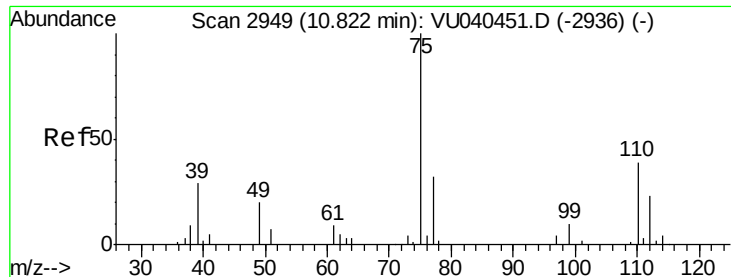


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

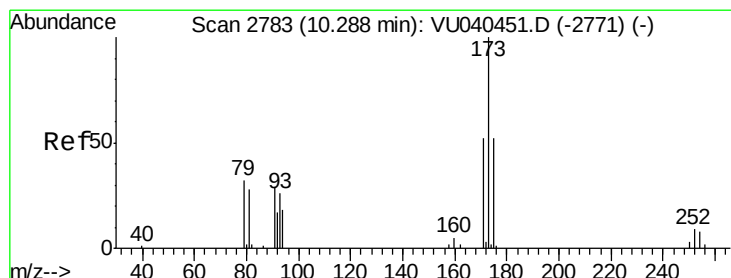
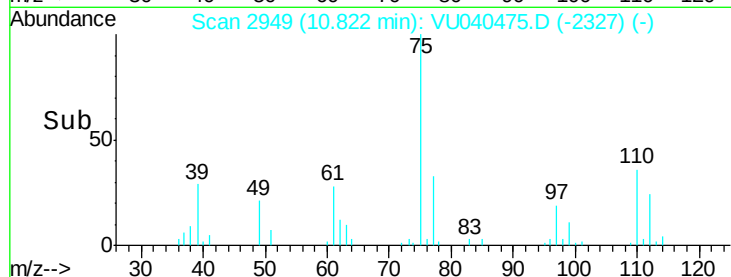
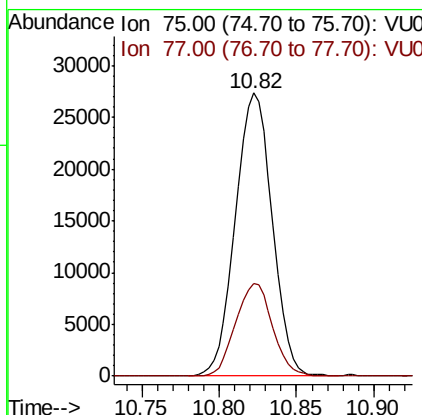
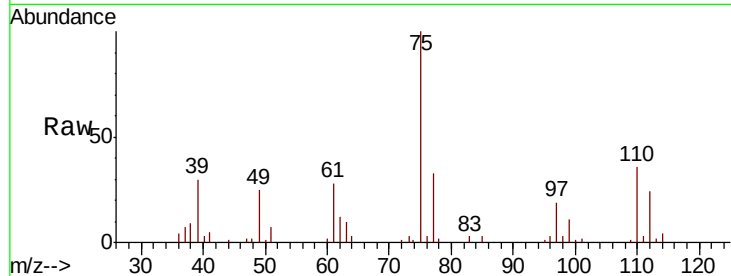




#59
 1,2,3-Trichloropropane
 Concen: 5.382 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU040475.D
 Acq: 02 Oct 2020 21:21

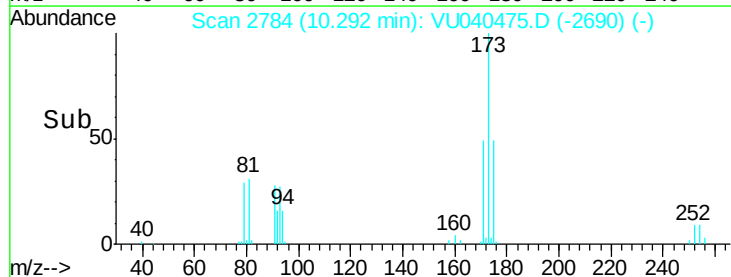
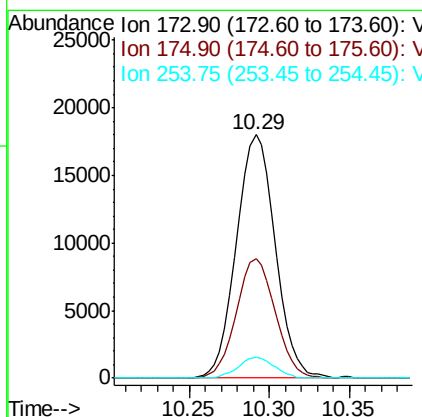
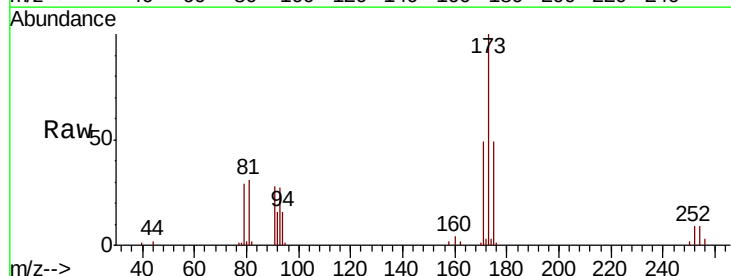
Instrument :
 MSVOA_U
 ClientSampled :

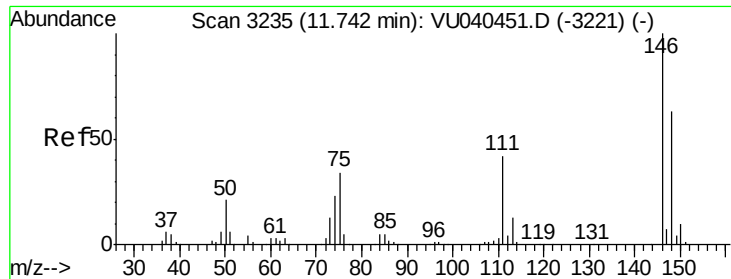
Tot Ion: 75 Resp: 45215
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.7 38.5



#61
 Bromoform
 Concen: 5.523 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU040475.D
 Acq: 02 Oct 2020 21:21

Tgt Ion: 173 Resp: 29766
 Ion Ratio Lower Upper
 173 100
 175 49.1 39.6 59.4
 254 7.8 7.0 10.4





#62

1,3-Dichlorobenzene

Concen: 5.794 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU040475.D

Acq: 02 Oct 2020 21:21

Instrument :

MSVOA_U

ClientSampleId :

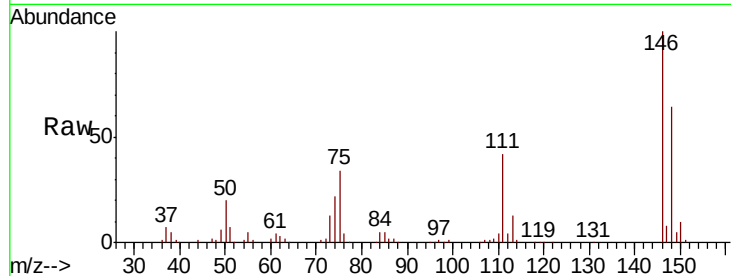
Tot Ion:146 Resp: 125100

Ion Ratio Lower Upper

146 100

111 42.4 28.6 53.0

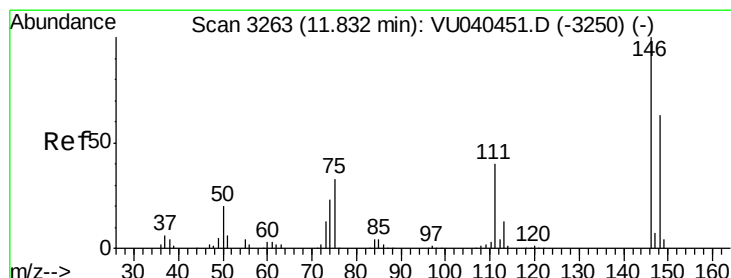
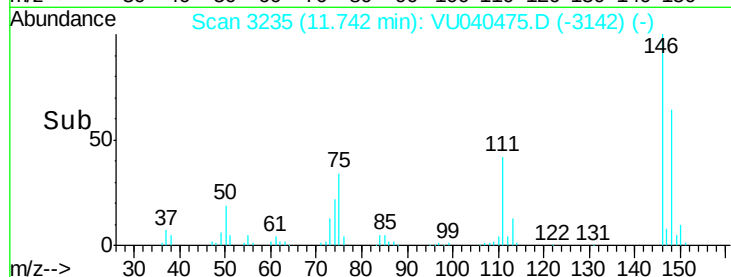
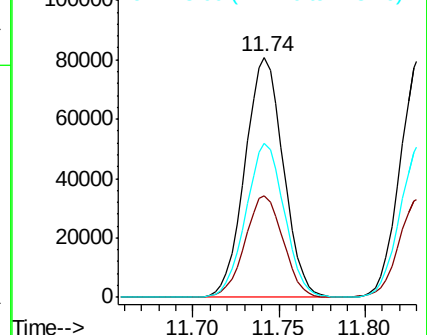
148 64.0 43.4 80.6



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: 5.635 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU040475.D

Acq: 02 Oct 2020 21:21

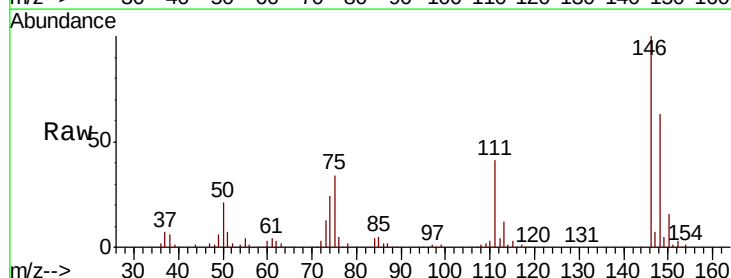
Tgt Ion:146 Resp: 126542

Ion Ratio Lower Upper

146 100

111 41.0 29.2 54.2

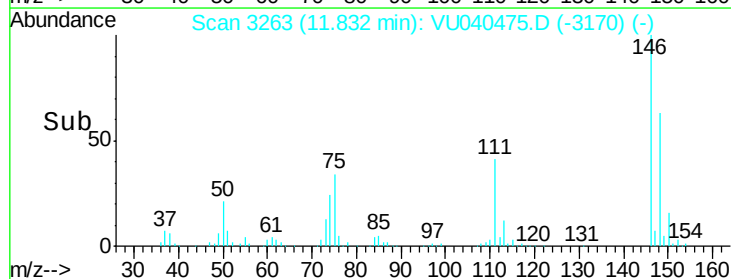
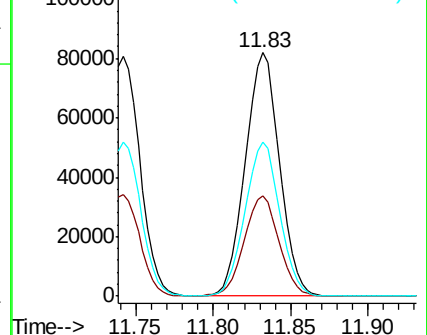
148 63.5 44.4 82.4

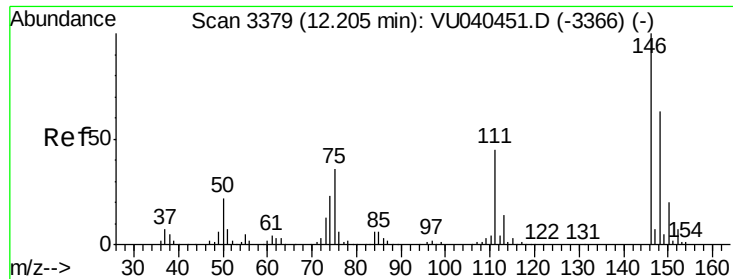


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.558 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040475.D

Acq: 02 Oct 2020 21:21

Instrument :

MSVOA_U

ClientSampleId :

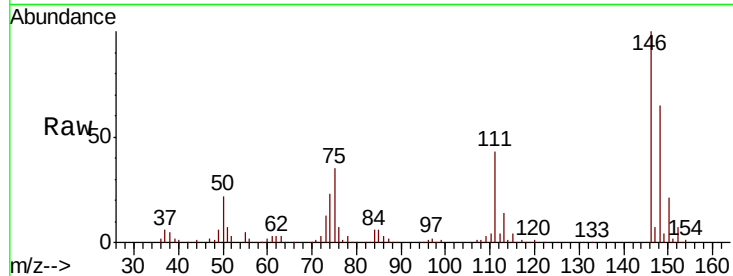
Tot Ion:146 Resp: 116662

Ion Ratio Lower Upper

146 100

111 43.5 35.6 53.4

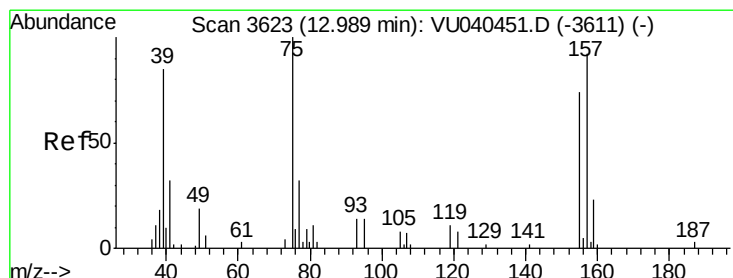
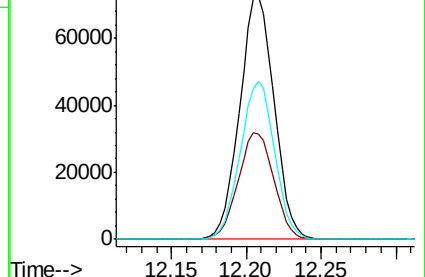
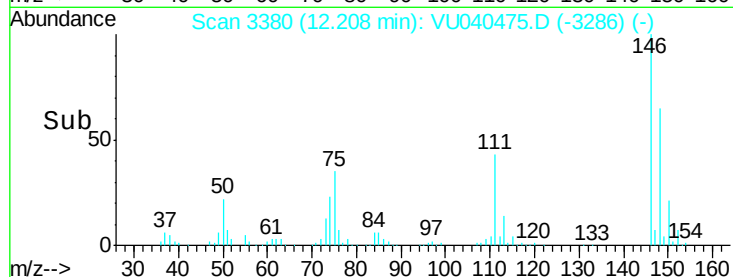
148 64.7 49.8 74.6



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: 5.211 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU040475.D

Acq: 02 Oct 2020 21:21

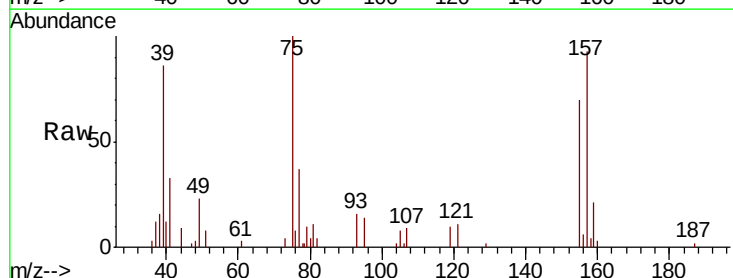
Tgt Ion: 75 Resp: 9859

Ion Ratio Lower Upper

75 100

155 70.3 59.4 89.2

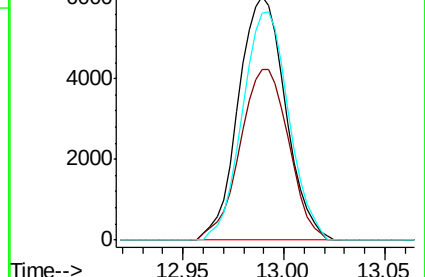
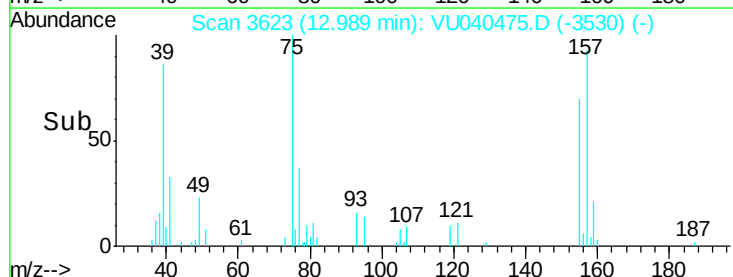
157 93.3 65.0 97.4

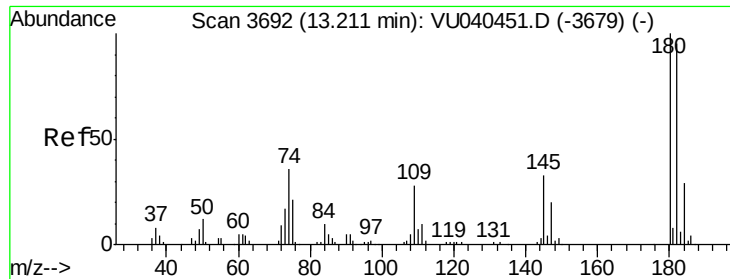


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

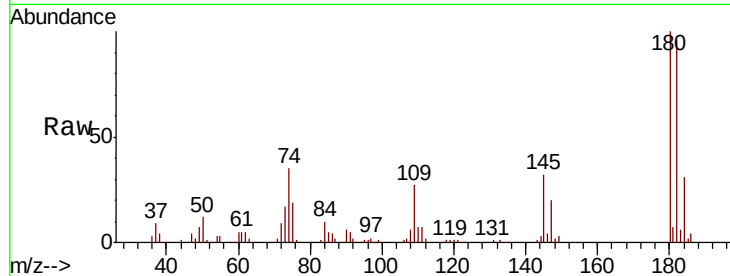




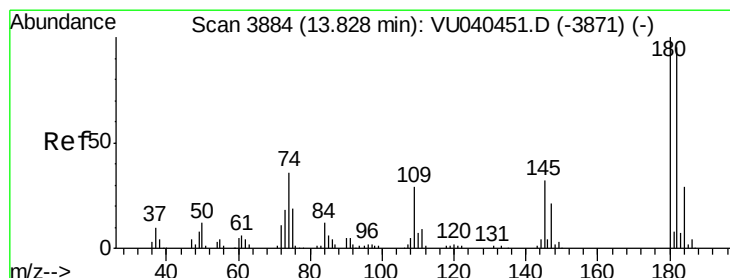
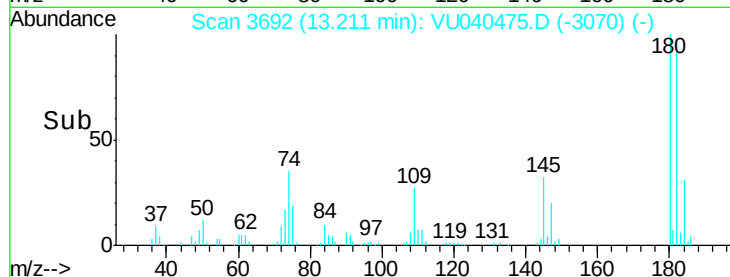
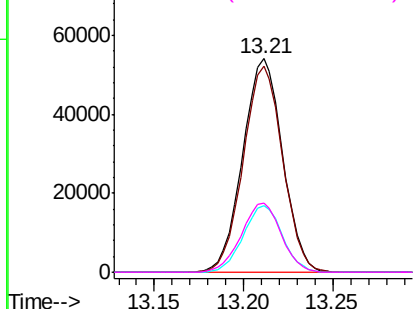
#67
 1,3,5-Trichlorobenzene
 Concen: 5.471 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040475.D
 Acq: 02 Oct 2020 21:21

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 84325
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.5 114.7
 184 30.6 24.6 37.0
 145 32.4 25.8 38.8

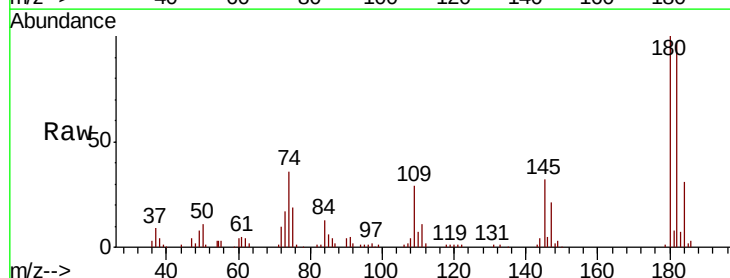


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

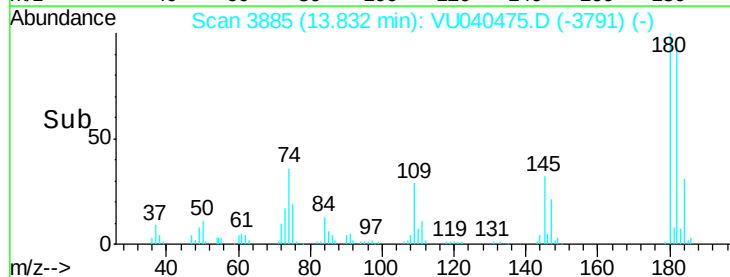
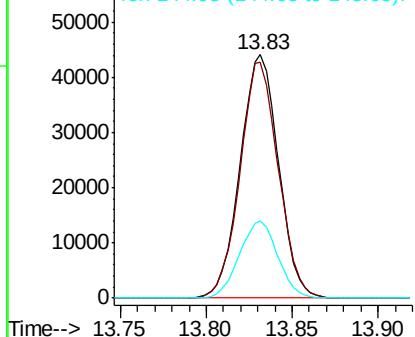


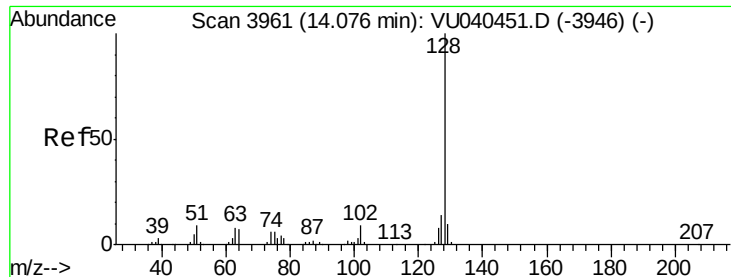
#68
 1,2,4-trichlorobenzene
 Concen: 5.525 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040475.D
 Acq: 02 Oct 2020 21:21

Tgt Ion:180 Resp: 68423
 Ion Ratio Lower Upper
 180 100
 182 96.4 76.6 115.0
 145 31.7 26.3 39.5



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: 5.395 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040475.D

Acq: 02 Oct 2020 21:21

Instrument :

MSVOA_U

ClientSampleId :

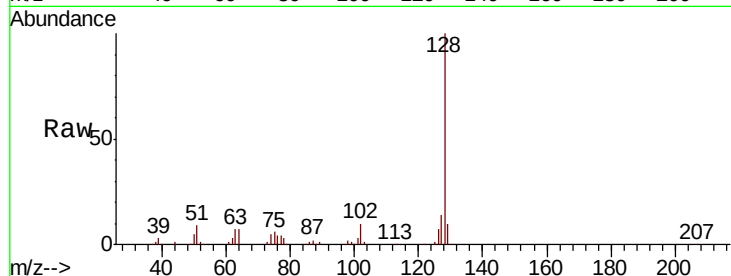
Tot Ion:128 Resp: 114193

Ion Ratio Lower Upper

128 100

129 10.5 8.2 12.4

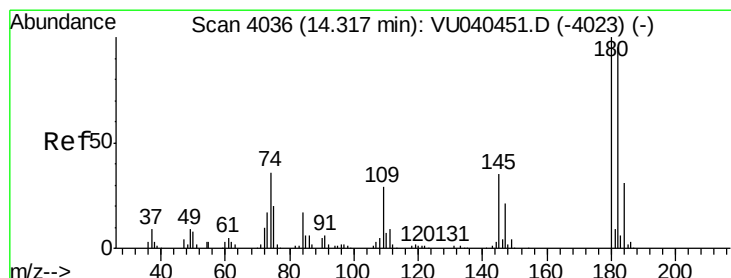
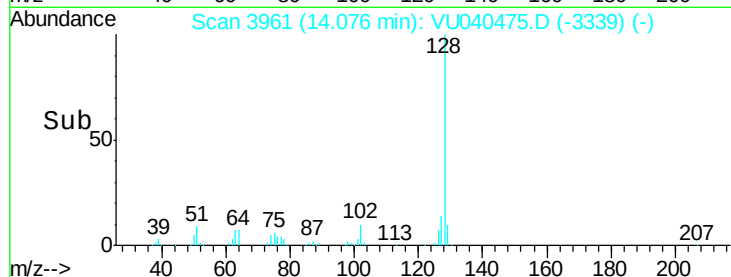
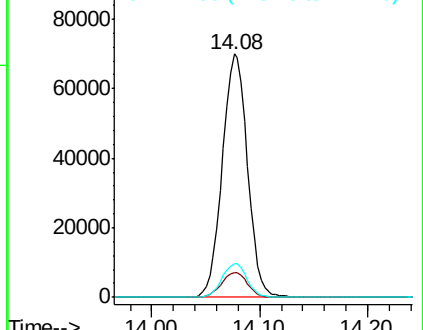
127 13.8 10.2 15.4



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: 5.690 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU040475.D

Acq: 02 Oct 2020 21:21

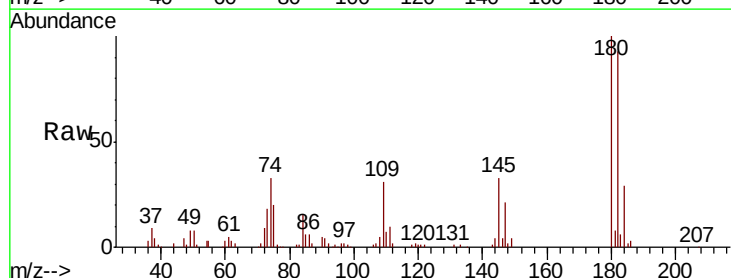
Tgt Ion:180 Resp: 64488

Ion Ratio Lower Upper

180 100

182 95.9 76.6 115.0

145 34.3 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

