

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091420\
 Data File : VU040132.D
 Acq On : 14 Sep 2020 20:42
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

Quant Time: Sep 15 01:55:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 15 01:48:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	117533	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	115829	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	59452	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	29486	4.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.00%
7) Chloroethane-d5	1.92	69	24851	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.00%
11) 1,1-Dichloroethene-d2	2.58	63	77539	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.20%
20) 2-Butanone-d5	4.66	46	108648	42.33	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.66%
24) Chloroform-d	5.08	84	63990	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.40%
26) 1,2-Dichloroethane-d4	5.72	65	38543	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.40%
32) Benzene-d6	5.74	84	115575	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.40%
36) 1,2-Dichloropropane-d6	6.70	67	38032	4.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.40%
41) Toluene-d8	7.91	98	103678	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
43) trans-1,3-Dichloropropene-	8.19	79	16079	3.93	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.60%
46) 2-Hexanone-d5	8.64	63	80328	41.42	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.84%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	33633	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	38963	4.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	81.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	58665	5.029	ug/L 97
3) Chloromethane	1.52	50	44453	3.981	ug/L 98
5) Vinyl chloride	1.61	62	51825	4.578	ug/L 98
6) Bromomethane	1.86	94	16256	2.809	ug/L 99
8) Chloroethane	1.94	64	32894	4.835	ug/L 99
9) Trichlorofluoromethane	2.15	101	80950	4.992	ug/L 96
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	52973	5.039	ug/L 99
12) 1,1-Dichloroethene	2.59	96	48013	5.279	ug/L 92
13) Acetone	2.67	43	115039	48.415	ug/L 74
14) Carbon disulfide	2.81	76	136739	4.688	ug/L 99
15) Methyl Acetate	2.97	43	28302	4.746	ug/L 99
16) Methylene chloride	3.06	84	60026	5.039	ug/L 96
17) Methyl tert-butyl Ether	3.38	73	128116	4.673	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	48226	4.929	ug/L 96
19) 1,1-Dichloroethane	3.89	63	97762	4.854	ug/L 99
21) 2-Butanone	4.74	43	194399	50.113	ug/L 97
22) cis-1,2-Dichloroethene	4.69	96	54020	5.135	ug/L 99

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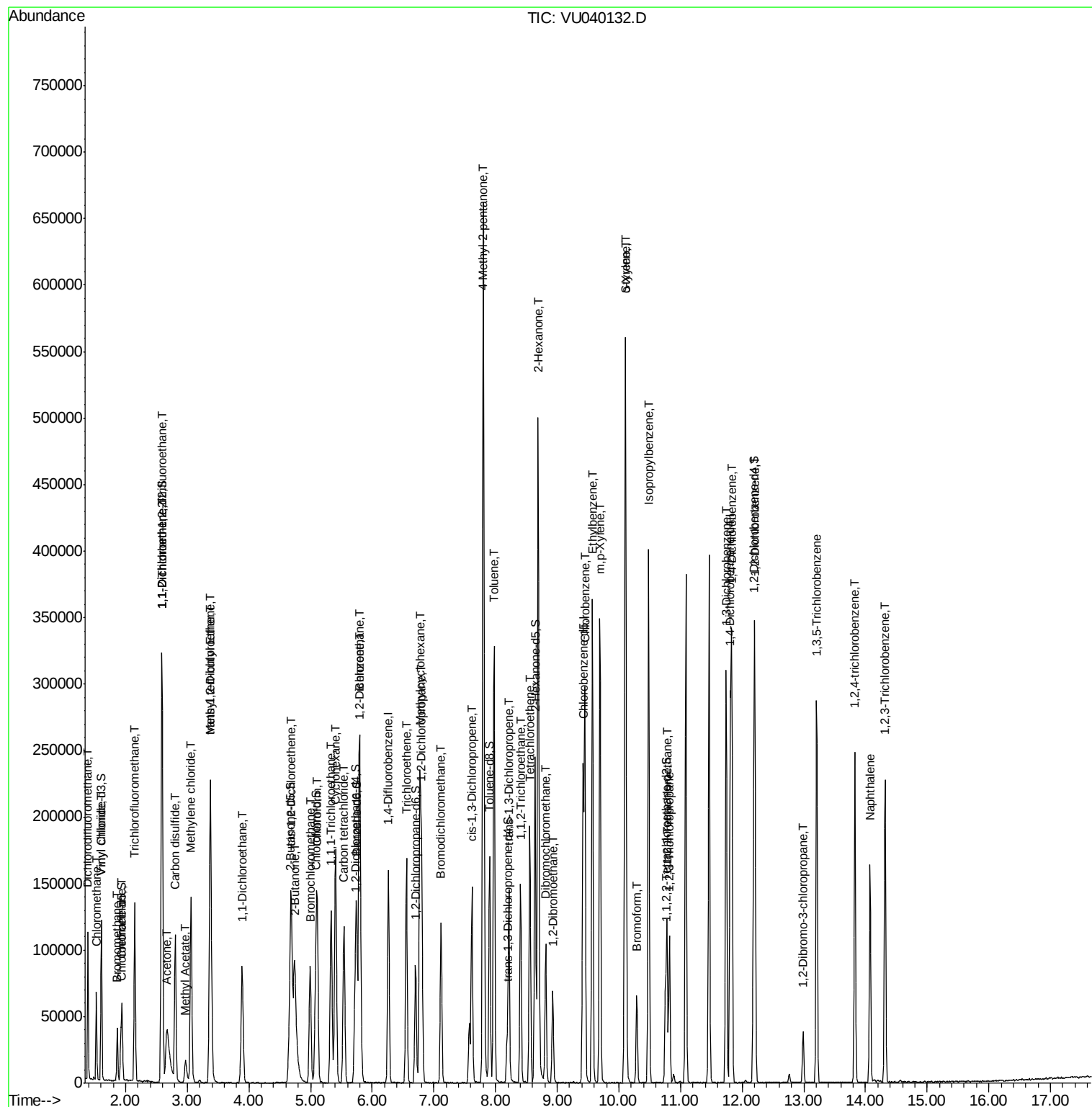
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	25280	5.484	ug/L	91
25) Chloroform	5.11	83	105842	5.132	ug/L	98
27) 1,2-Dichloroethane	5.81	62	76046	5.033	ug/L	100
29) 1,1,1-Trichloroethane	5.33	97	91922	5.054	ug/L	98
30) Cyclohexane	5.40	56	81770	4.637	ug/L	98
31) Carbon tetrachloride	5.54	117	74598	4.793	ug/L	98
33) Benzene	5.79	78	209153	5.047	ug/L	100
34) Trichloroethene	6.55	95	55410	4.985	ug/L	97
35) Methylcyclohexane	6.77	83	78861	4.633	ug/L	96
37) 1,2-Dichloropropane	6.80	63	56531	5.038	ug/L	100
38) Bromodichloromethane	7.11	83	74526	4.866	ug/L	98
39) cis-1,3-Dichloropropene	7.62	75	76879	4.646	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	454418	49.361	ug/L	99
42) Toluene	7.98	91	220374	5.164	ug/L	98
44) trans-1,3-Dichloropropene	8.22	75	71925	4.691	ug/L	99
45) 1,1,2-Trichloroethane	8.41	97	42942	5.254	ug/L	98
47) Tetrachloroethene	8.56	164	36708	5.028	ug/L	95
48) 2-Hexanone	8.69	43	334112	49.755	ug/L	100
49) Dibromochloromethane	8.81	129	49835	5.080	ug/L	97
50) 1,2-Dibromoethane	8.93	107	39826	5.054	ug/L	96
51) Chlorobenzene	9.45	112	140664	5.309	ug/L	95
52) Ethylbenzene	9.57	91	243024	5.012	ug/L	98
53) m,p-Xylene	9.69	106	89630	5.192	ug/L	99
54) o-Xylene	10.10	106	86432	5.254	ug/L	99
55) Styrene	10.11	104	156037	5.455	ug/L	95
56) Isopropylbenzene	10.48	105	238330	5.312	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	55574	5.302	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	42556	5.119	ug/L	99
61) Bromoform	10.29	173	24934	4.573	ug/L	97
62) 1,3-Dichlorobenzene	11.74	146	112468	5.176	ug/L	100
63) 1,4-Dichlorobenzene	11.83	146	113671	5.170	ug/L	96
65) 1,2-Dichlorobenzene	12.20	146	107528	5.114	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	9329	4.149	ug/L	92
67) 1,3,5-Trichlorobenzene	13.21	180	73530	4.812	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	62631	4.759	ug/L	99
69) Naphthalene	14.08	128	117285	4.275	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	59267	4.903	ug/L	97

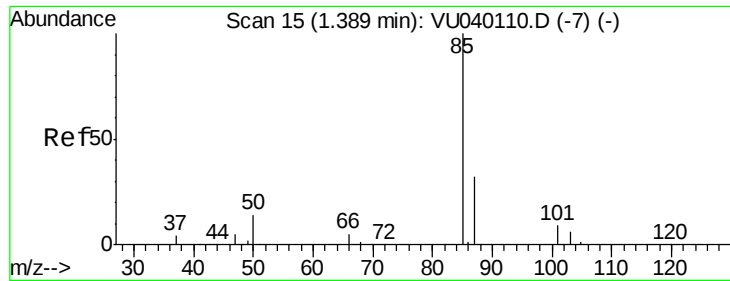
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.029 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040132.D

Acq: 14 Sep 2020 20:42

Instrument :

MSVOA_U

ClientSampleId :

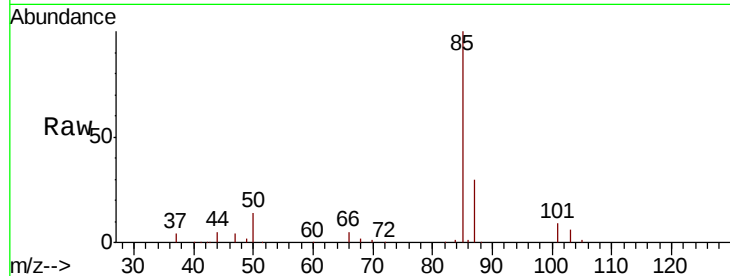
VSTD00529

Tot Ion: 85 Resp: 58665

Ion Ratio Lower Upper

85 100

87 30.9 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU040110.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU040110.D (-7) (-)

1.39

60000

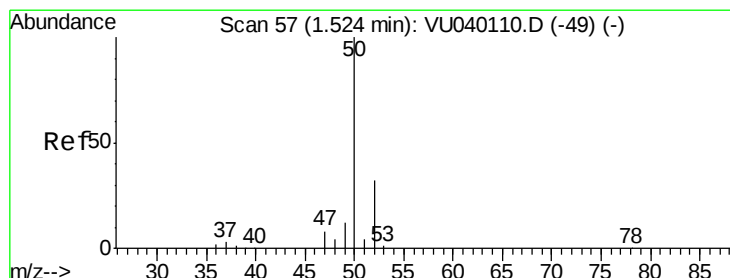
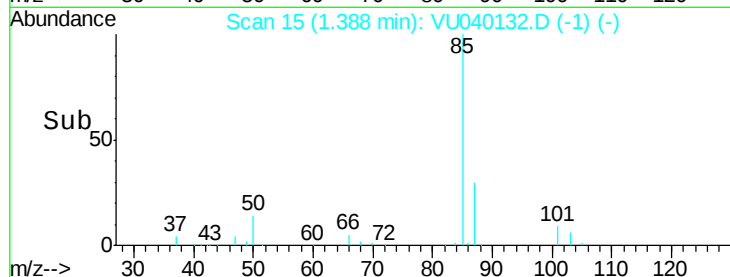
40000

20000

0

1.35 1.40 1.45

Time-->



#3

Chloromethane

Concen: 3.981 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU040132.D

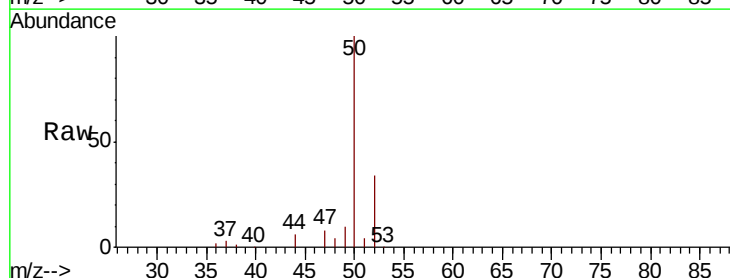
Acq: 14 Sep 2020 20:42

Tgt Ion: 50 Resp: 44453

Ion Ratio Lower Upper

50 100

52 33.8 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU040110.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU040110.D (-49) (-)

1.52

40000

30000

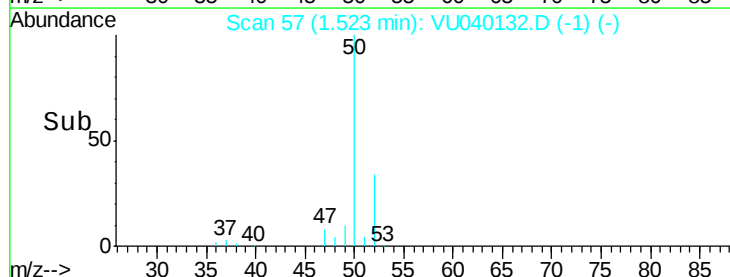
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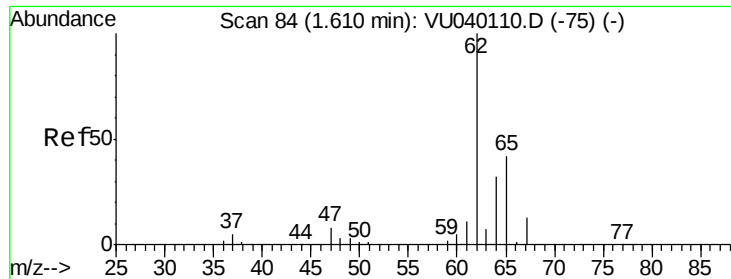
10000

0

1.50 1.55 1.60

Time-->





#5

Vinyl chloride

Concen: 4.578 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040132.D

Acq: 14 Sep 2020 20:42

Instrument :

MSVOA_U

ClientSampleID :

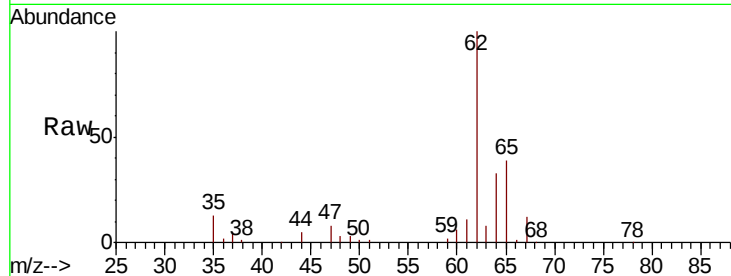
VSTD00529

Tot Ion: 62 Resp: 51825

Ion Ratio Lower Upper

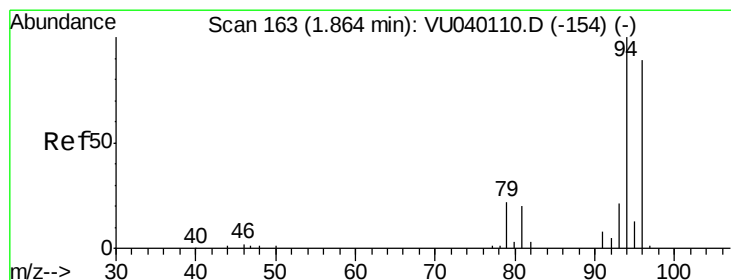
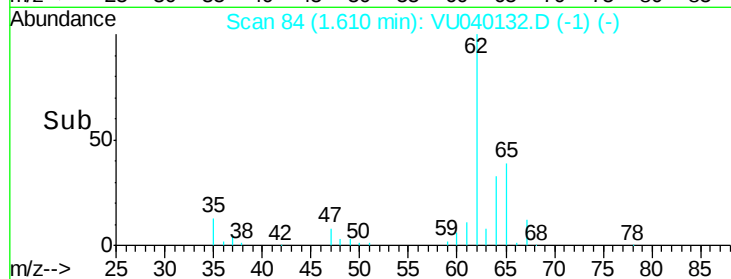
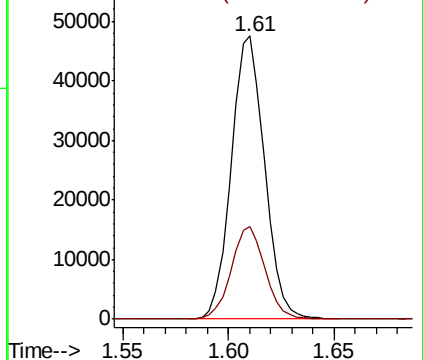
62 100

64 32.9 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 2.809 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU040132.D

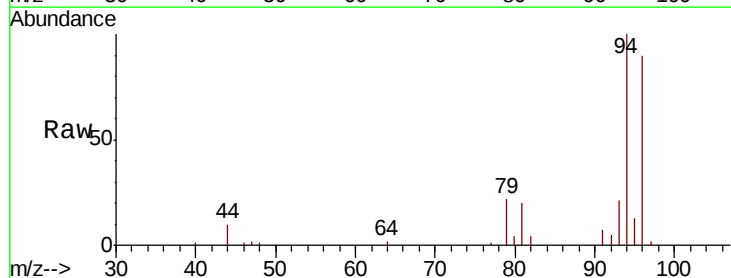
Acq: 14 Sep 2020 20:42

Tgt Ion: 94 Resp: 16256

Ion Ratio Lower Upper

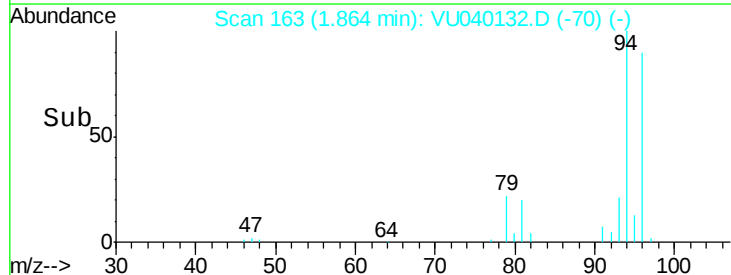
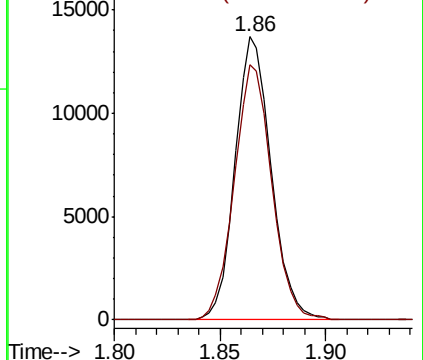
94 100

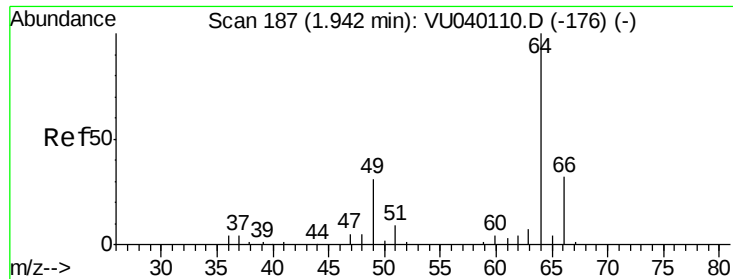
96 89.9 62.3 115.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

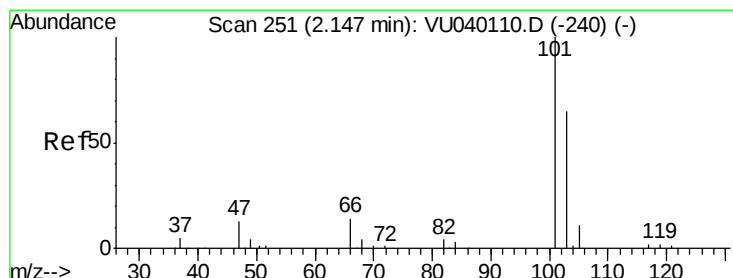
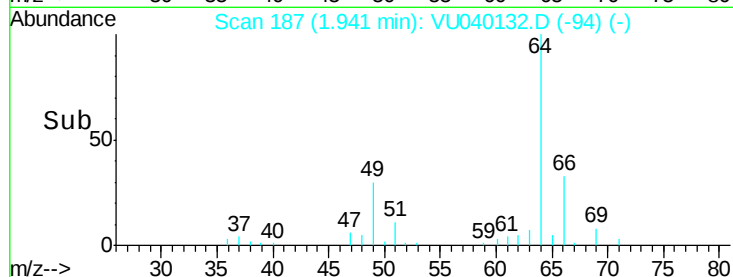
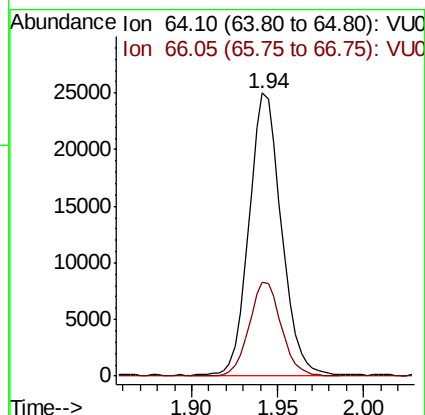
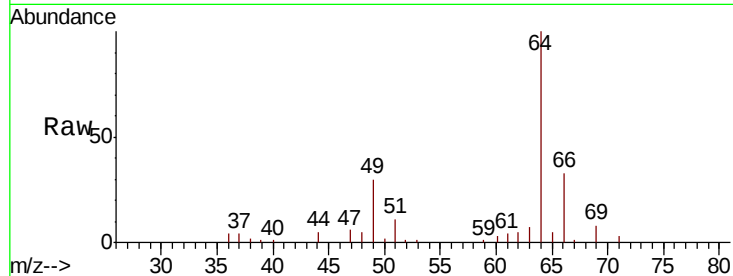




#8
Chloroethane
Concen: 4.835 ug/L
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU040132.D
Acq: 14 Sep 2020 20:42

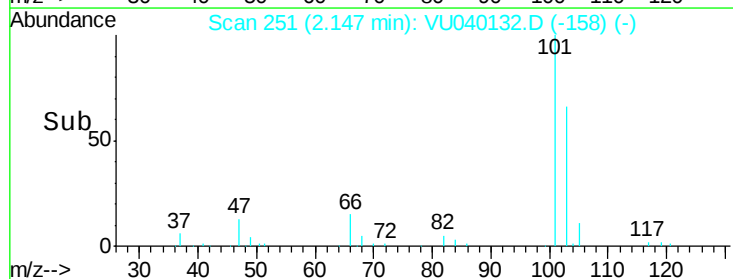
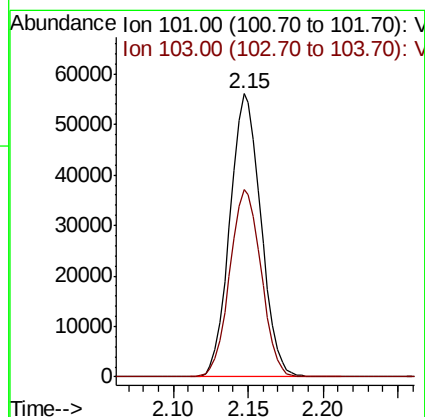
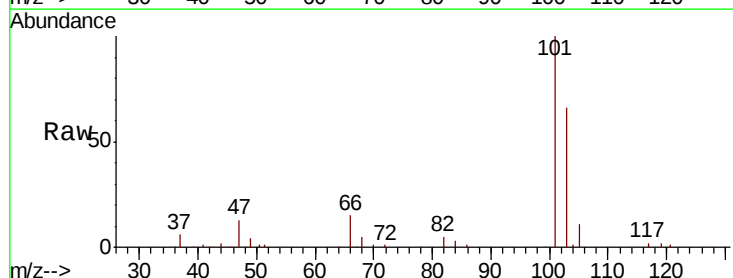
Instrument :
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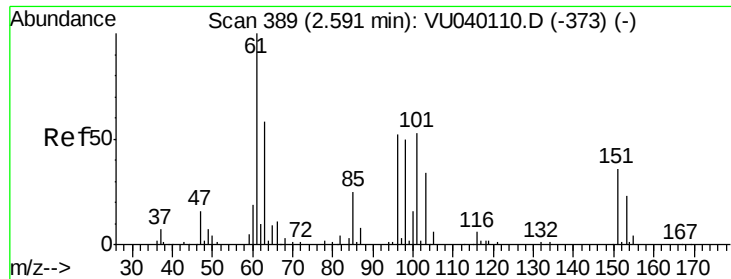
Tot Ion: 64 Resp: 32894
Ion Ratio Lower Upper
64 100
66 33.0 22.7 42.1



#9
Trichlorofluoromethane
Concen: 4.992 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU040132.D
Acq: 14 Sep 2020 20:42

Tgt Ion:101 Resp: 80950
Ion Ratio Lower Upper
101 100
103 67.1 51.3 76.9





#10

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

Concen: 5.039 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040132.D

Acq: 14 Sep 2020 20:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

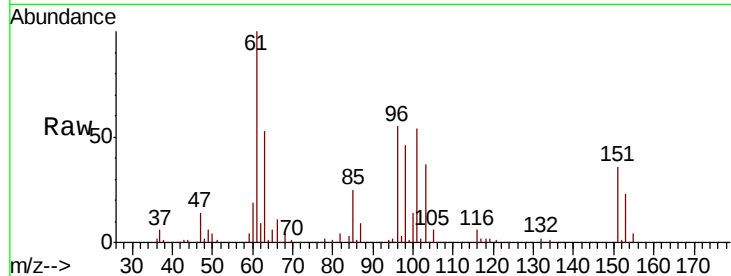
Tot Ion:101 Resp: 52973

Ion Ratio Lower Upper

101 100

85 46.6 37.7 56.5

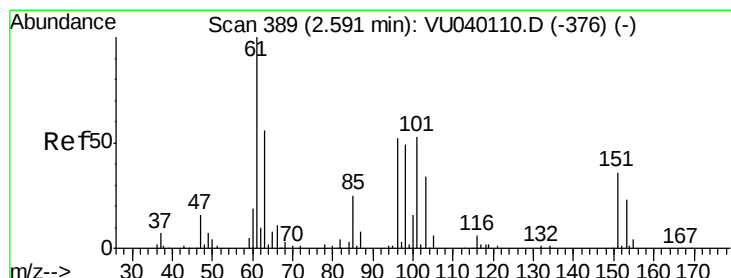
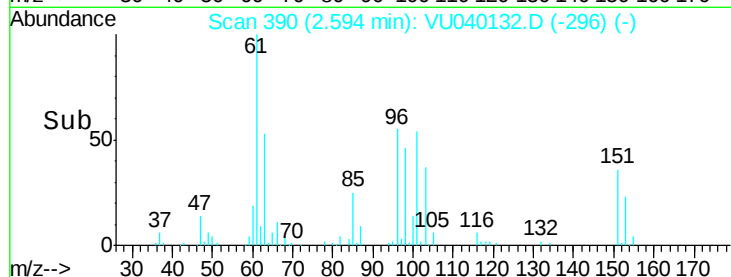
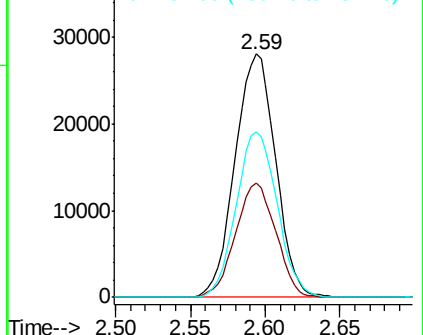
151 68.6 53.9 80.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.279 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040132.D

Acq: 14 Sep 2020 20:42

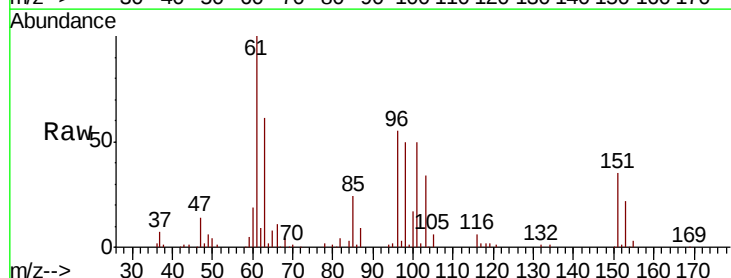
Tgt Ion: 96 Resp: 48013

Ion Ratio Lower Upper

96 100

61 180.3 138.3 256.8

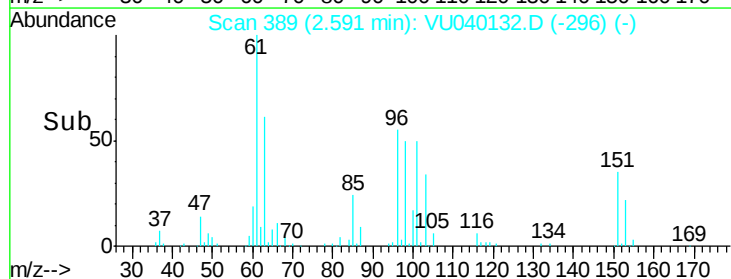
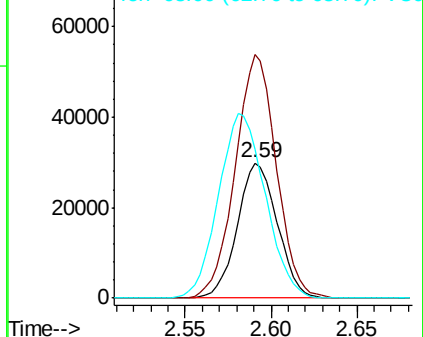
63 109.9 77.6 144.2

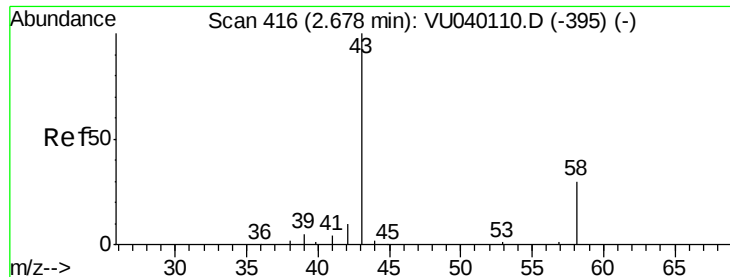


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.415 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.01 min

Lab File: VU040132.D

Acq: 14 Sep 2020 20:42

Instrument :

MSVOA_U

ClientSampleId :

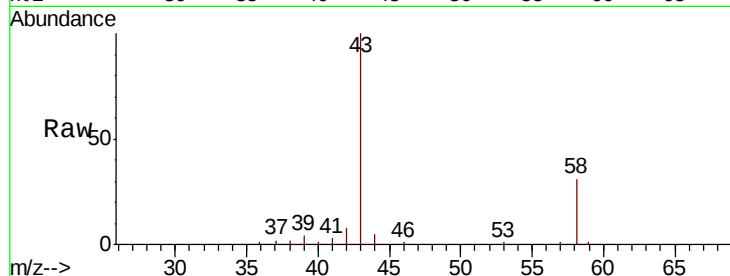
VSTD00529

Tot Ion: 43 Resp: 115039

Ion Ratio Lower Upper

43 100

58 14.0 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU040110.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU040110.D (-395) (-)

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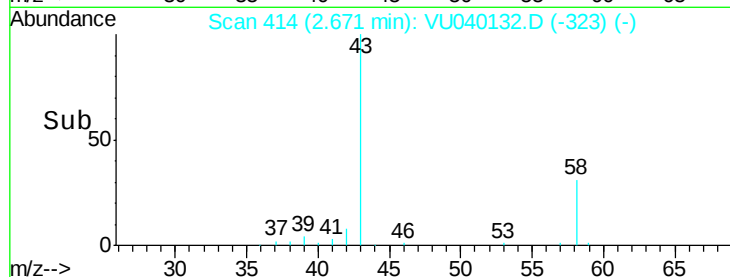
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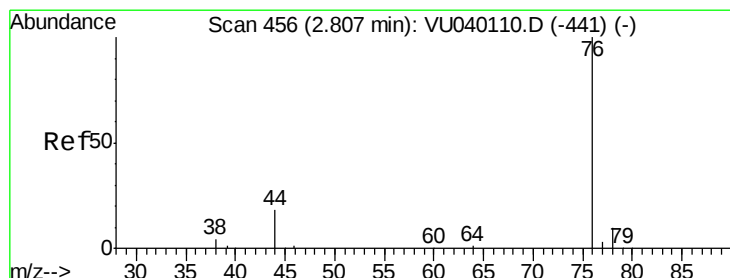
2.67

2.67

2.67



Time-->



#14

Carbon disulfide

Concen: 4.688 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040132.D

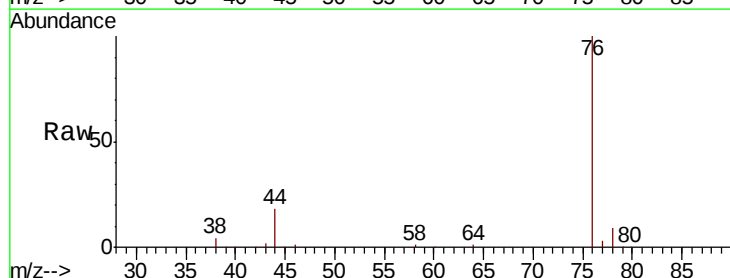
Acq: 14 Sep 2020 20:42

Tgt Ion: 76 Resp: 136739

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU040110.D (-441) (-)

Ion 78.00 (77.70 to 78.70): VU040110.D (-441) (-)

2.81

2.81

2.81

2.81

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2.81

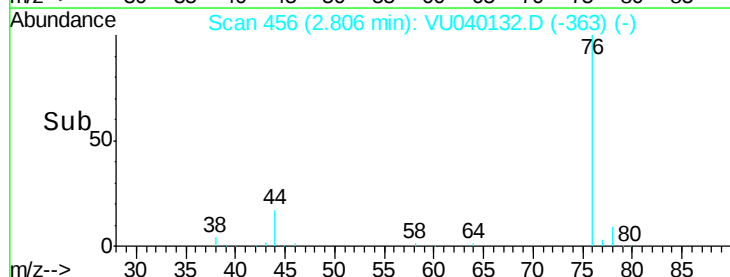
2.81

2.81

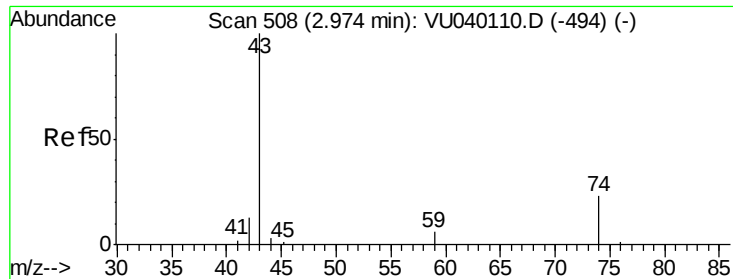
2.81

2.81

2.81



Time-->



#15

Methvl Acetate

Concen: 4.746 ug/L

RT: 2.97 min Scan# 507

Delta R.T. -0.00 min

Lab File: VU040132.D

Acq: 14 Sep 2020 20:42

Instrument :

MSVOA_U

ClientSampleId :

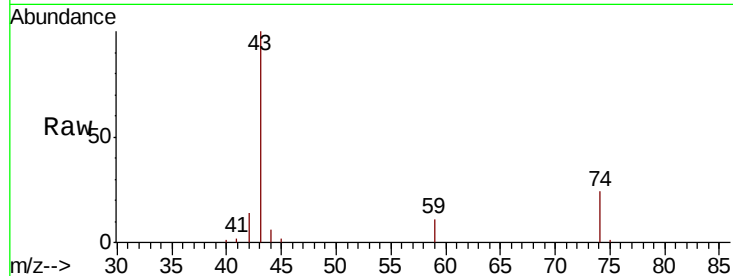
VSTD00529

Tot Ion: 43 Resp: 28302

Ion Ratio Lower Upper

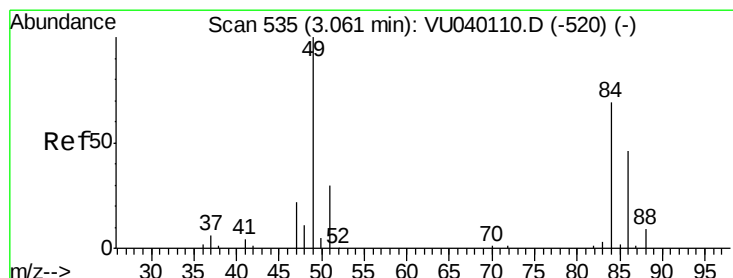
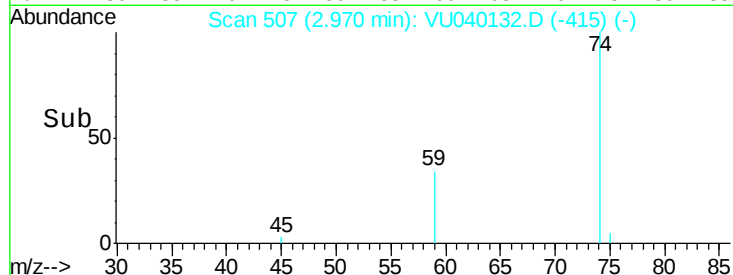
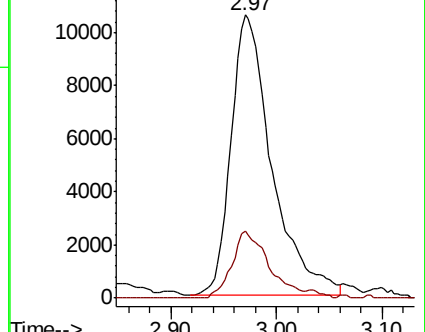
43 100

74 21.4 17.4 26.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 5.039 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU040132.D

Acq: 14 Sep 2020 20:42

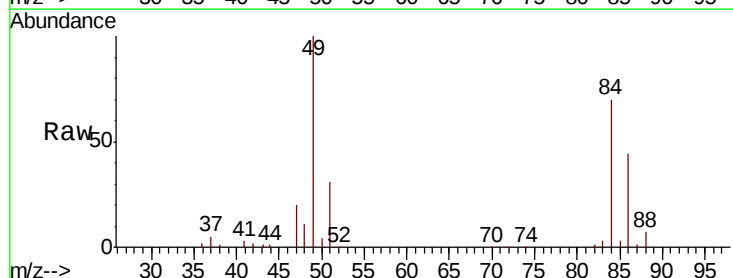
Tgt Ion: 84 Resp: 60026

Ion Ratio Lower Upper

84 100

86 63.0 45.2 84.0

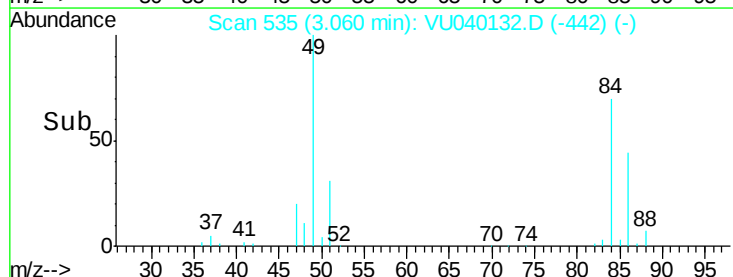
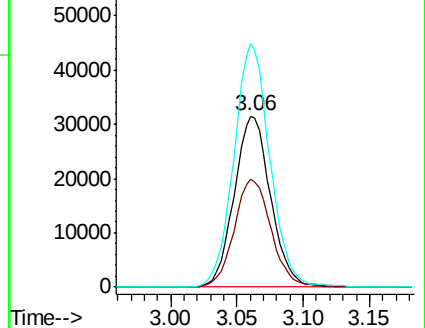
49 142.4 104.0 193.2

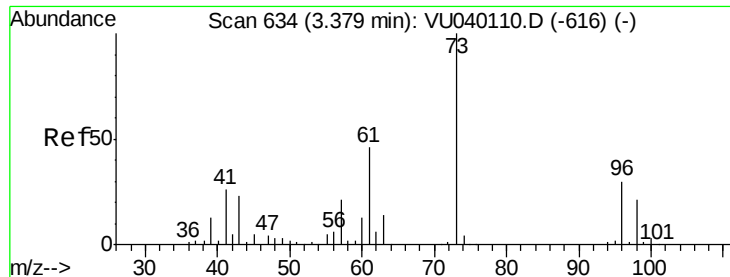


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

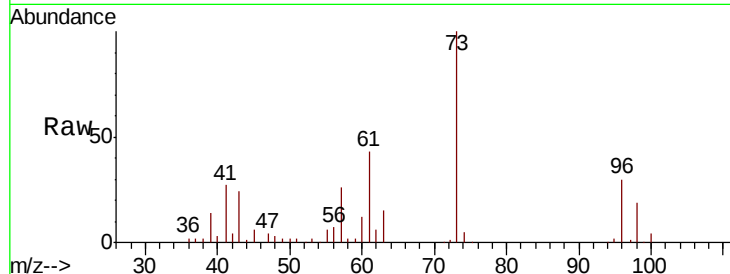




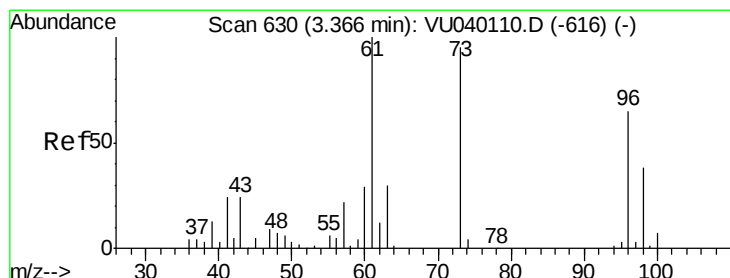
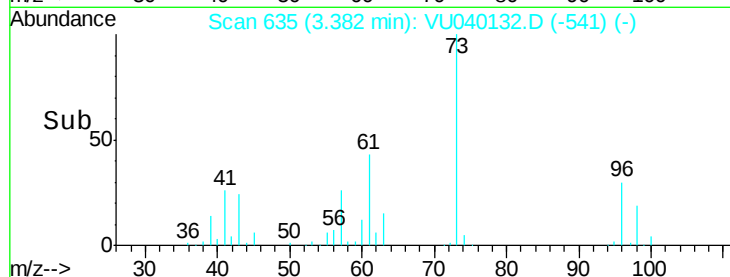
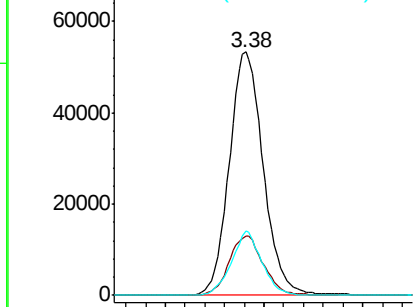
#17
Methvl tert-butvl Ether
Concen: 4.673 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040132.D
Acq: 14 Sep 2020 20:42

Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

Tot Ion: 73 Resp: 128116
Ion Ratio Lower Upper
73 100
43 24.8 19.1 28.7
57 23.4 18.3 27.5

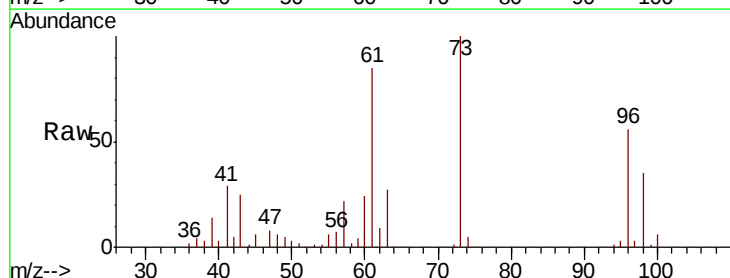


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

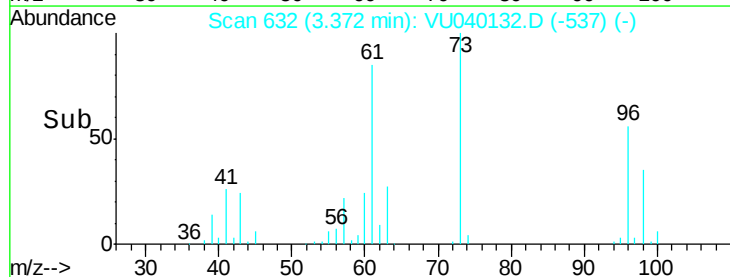
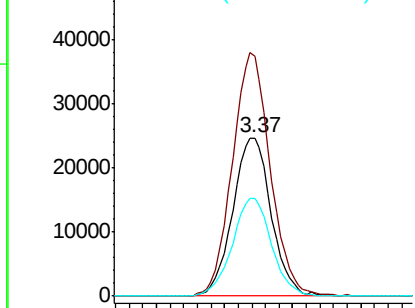


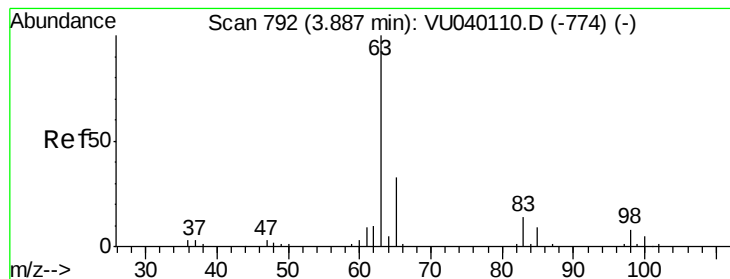
#18
trans-1,2-Dichloroethene
Concen: 4.929 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.01 min
Lab File: VU040132.D
Acq: 14 Sep 2020 20:42

Tgt Ion: 96 Resp: 48226
Ion Ratio Lower Upper
96 100
61 151.4 110.5 205.3
98 61.7 43.2 80.2



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: 4.854 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU040132.D

Acq: 14 Sep 2020 20:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

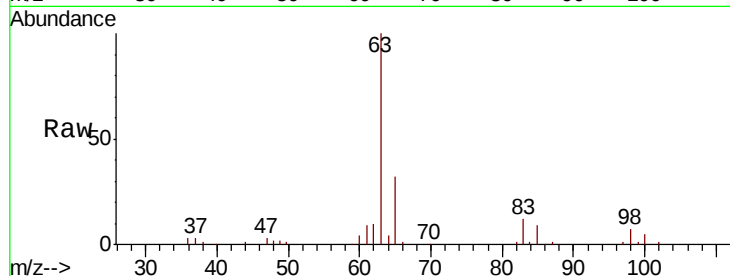
Tot Ion: 63 Resp: 97762

Ion Ratio Lower Upper

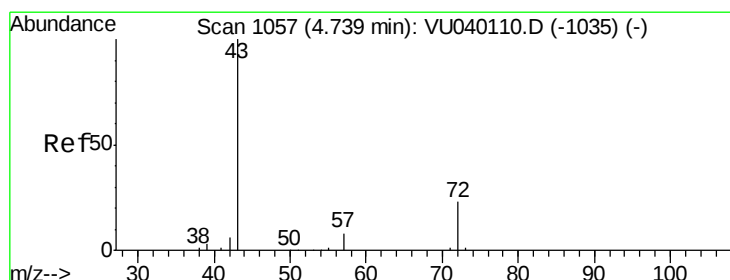
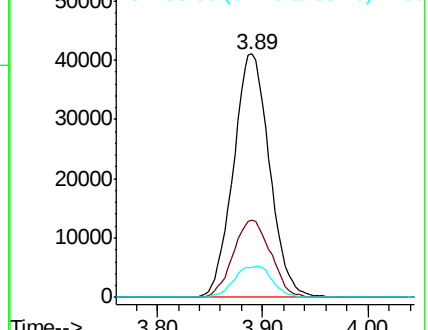
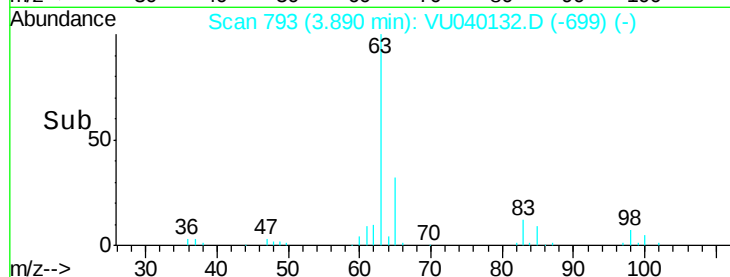
63 100

65 31.7 22.2 41.2

83 12.5 9.4 17.6



Abundance Ion 63.10 (62.80 to 63.80): VU040132.D (-699) (-)



#21

2-Butanone

Concen: 50.113 ug/L

RT: 4.74 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VU040132.D

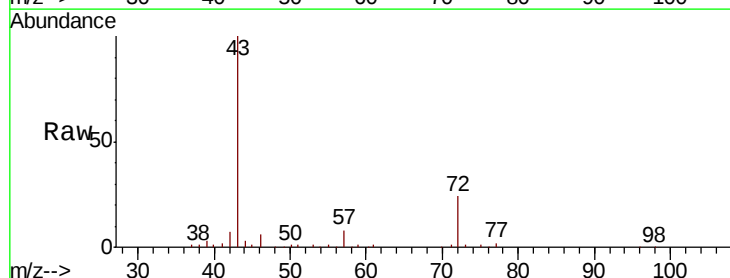
Acq: 14 Sep 2020 20:42

Tgt Ion: 43 Resp: 194399

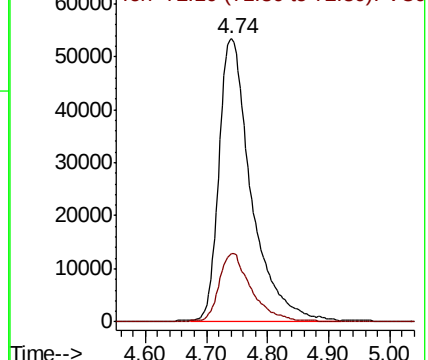
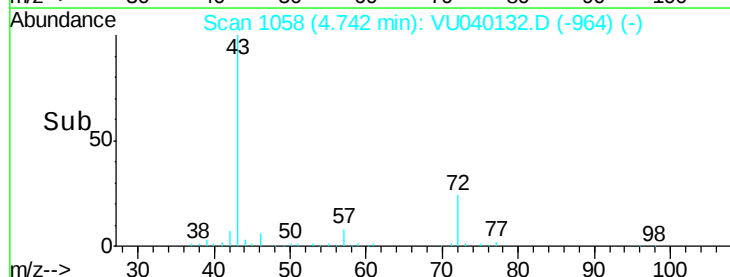
Ion Ratio Lower Upper

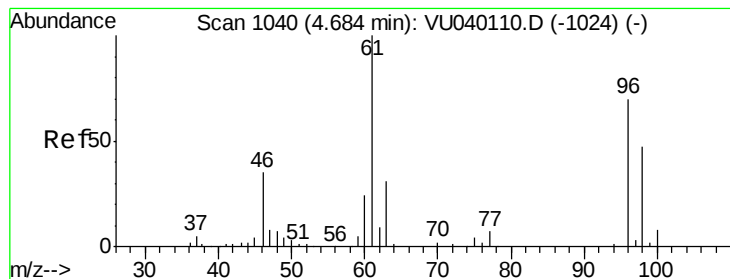
43 100

72 24.7 11.7 35.0



Abundance Ion 43.05 (42.75 to 43.75): VU040132.D (-964) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.135 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040132.D

Acq: 14 Sep 2020 20:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

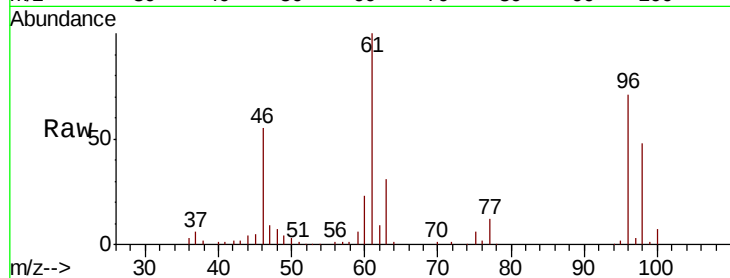
Tot Ion: 96 Resp: 54020

Ion Ratio Lower Upper

96 100

61 139.9 98.8 183.4

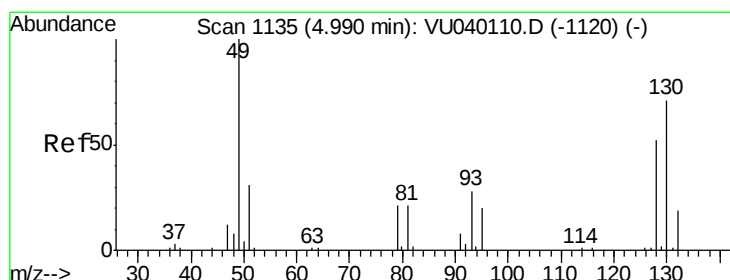
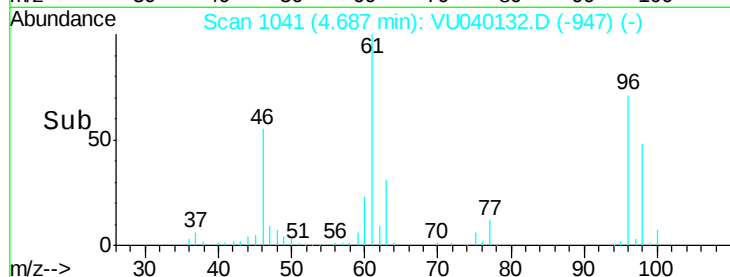
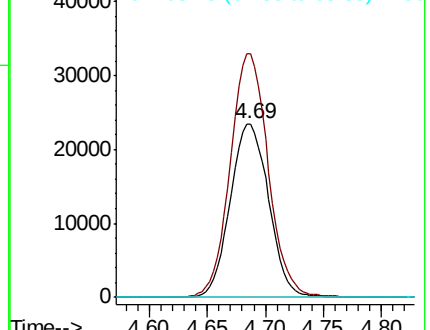
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040132.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU040132.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU040132.D (-947) (-)



#23

Bromochloromethane

Concen: 5.484 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.01 min

Lab File: VU040132.D

Acq: 14 Sep 2020 20:42

Tgt Ion: 128 Resp: 25280

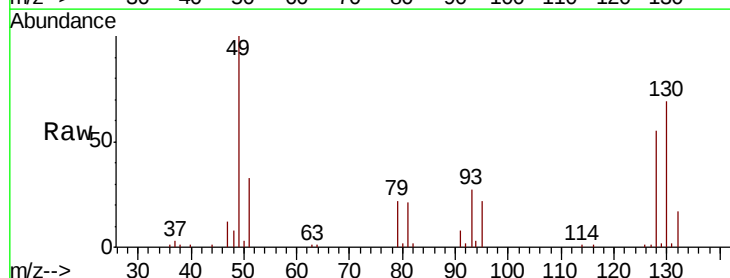
Ion Ratio Lower Upper

128 100

49 181.9 143.4 266.4

130 126.3 89.5 166.3

51 60.5 51.0 76.4

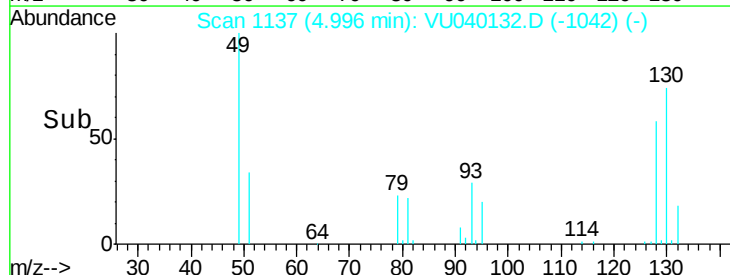
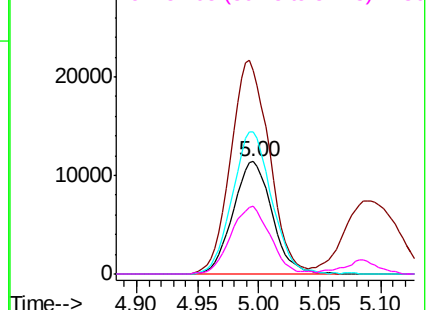


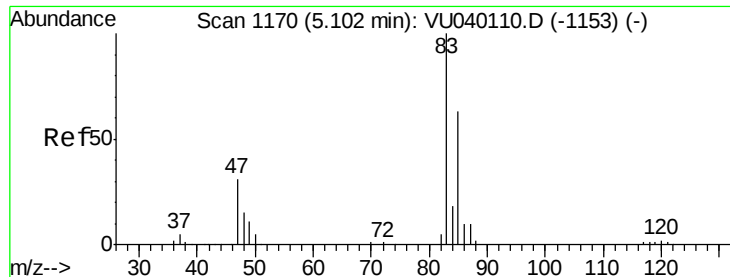
Abundance Ion 127.90 (127.60 to 128.60): VU040132.D (-1042) (-)

Ion 49.10 (48.80 to 49.80): VU040132.D (-1042) (-)

Ion 129.95 (129.65 to 130.65): VU040132.D (-1042) (-)

Ion 51.05 (50.75 to 51.75): VU040132.D (-1042) (-)

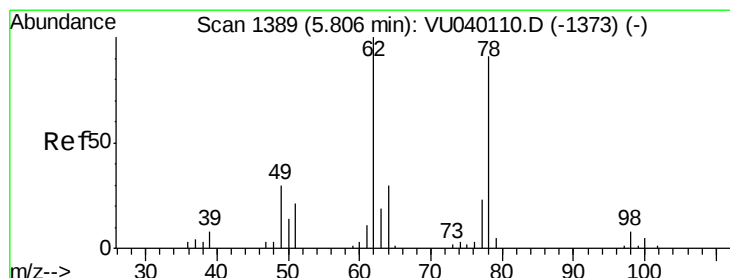
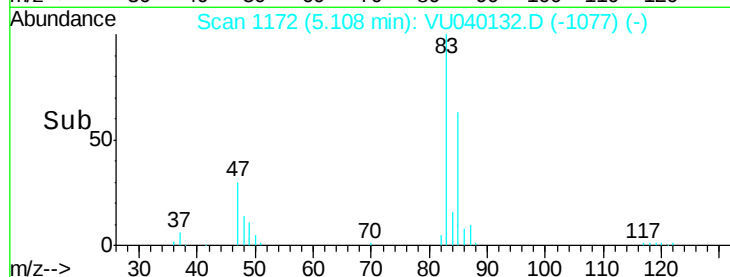
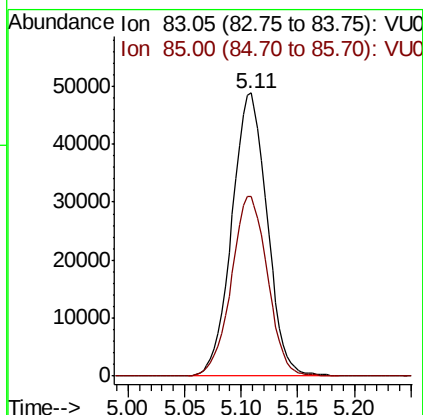
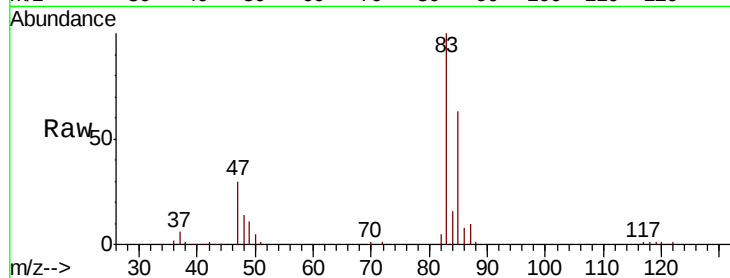




#25
Chloroform
Concen: 5.132 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.01 min
Lab File: VU040132.D
Acq: 14 Sep 2020 20:42

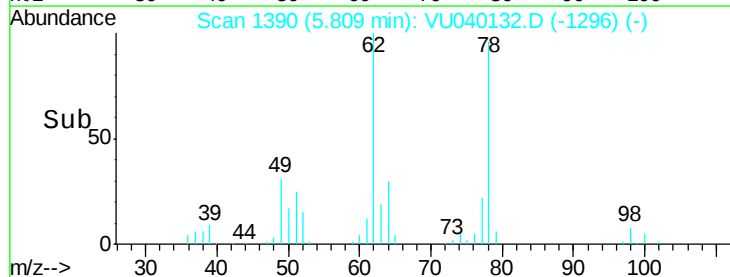
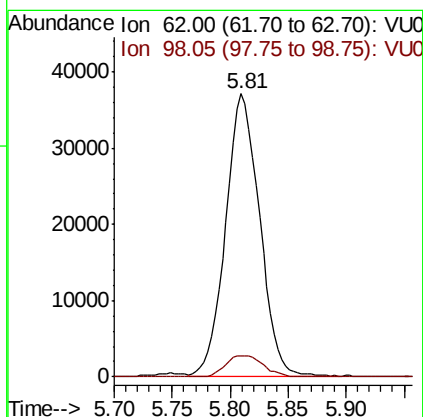
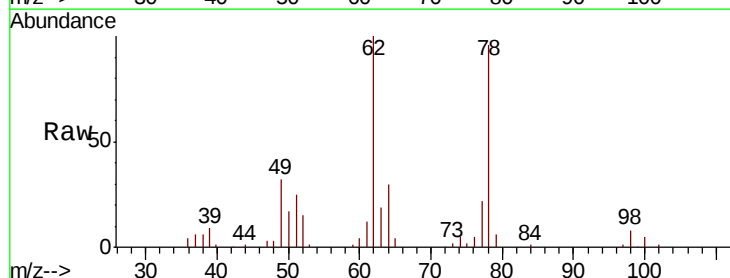
Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

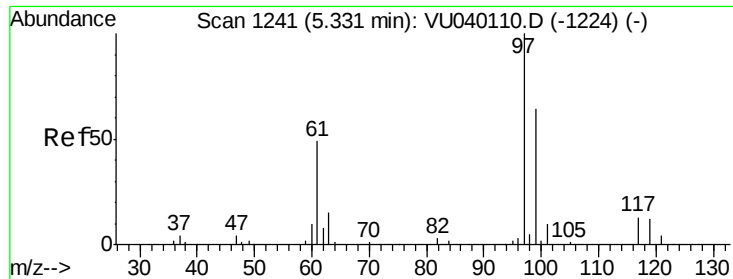
Tot Ion: 83 Resp: 105842
Ion Ratio Lower Upper
83 100
85 63.3 45.3 84.1



#27
1,2-Dichloroethane
Concen: 5.033 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040132.D
Acq: 14 Sep 2020 20:42

Tgt Ion: 62 Resp: 76046
Ion Ratio Lower Upper
62 100
98 7.5 6.1 9.1

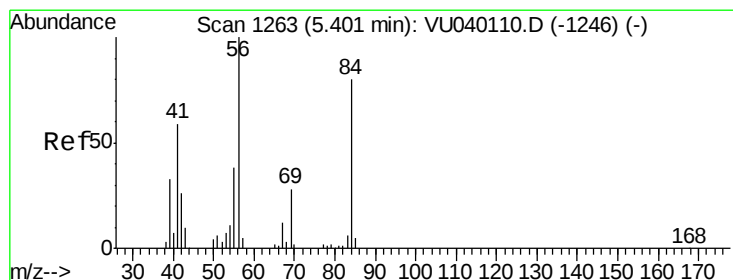
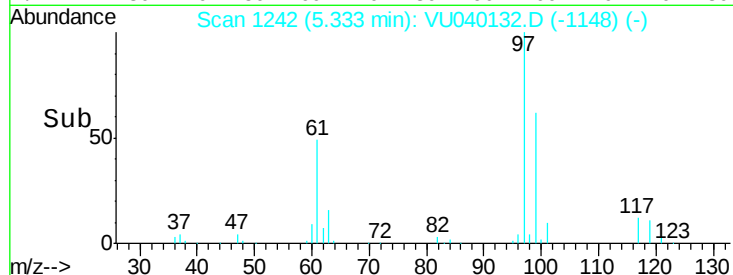
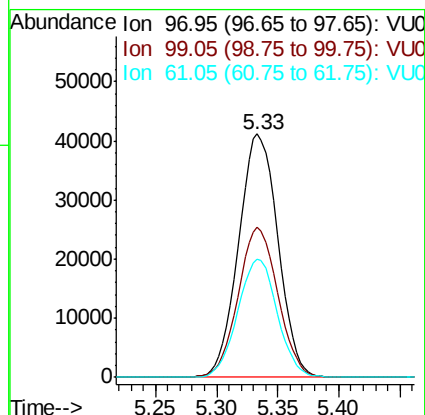
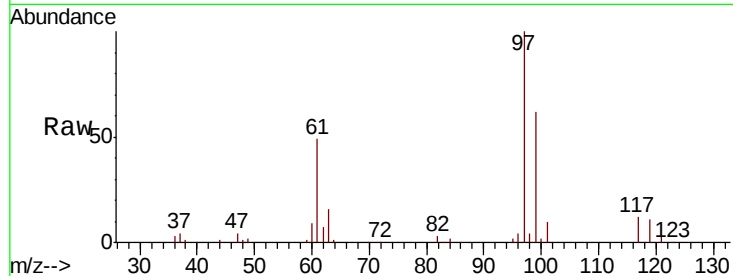




#29
 1,1,1-Trichloroethane
 Concen: 5.054 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU040132.D
 Acq: 14 Sep 2020 20:42

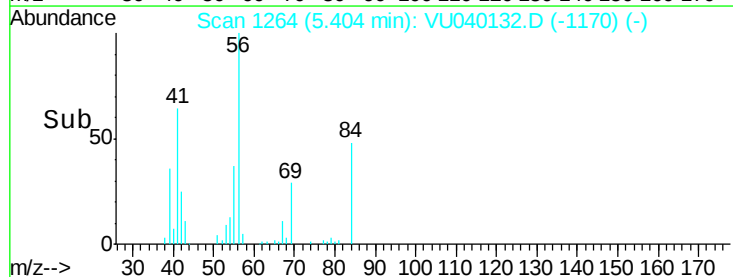
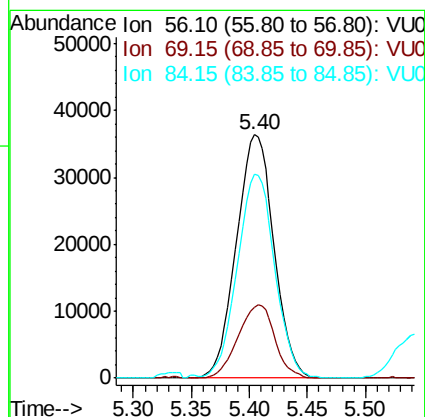
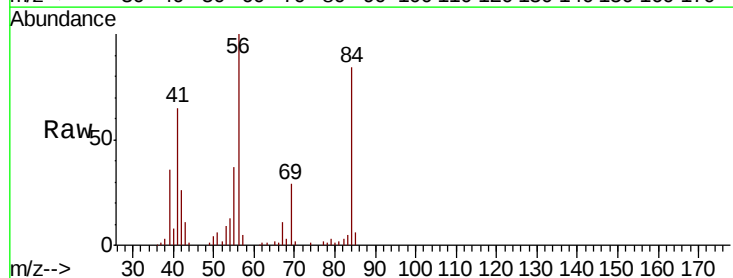
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

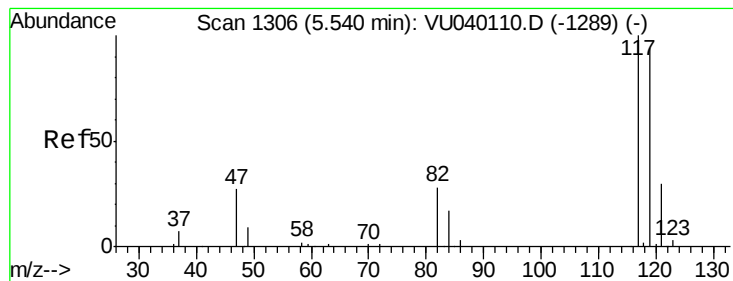
Tot Ion: 97 Resp: 91922
 Ion Ratio Lower Upper
 97 100
 99 62.1 50.9 76.3
 61 48.7 39.5 59.3



#30
 Cyclohexane
 Concen: 4.637 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU040132.D
 Acq: 14 Sep 2020 20:42

Tgt Ion: 56 Resp: 81770
 Ion Ratio Lower Upper
 56 100
 69 29.5 24.1 36.1
 84 83.7 65.0 97.4





#31

Carbon tetrachloride

Concen: 4.793 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU040132.D

Acq: 14 Sep 2020 20:42

Instrument :

MSVOA_U

ClientSampleId :

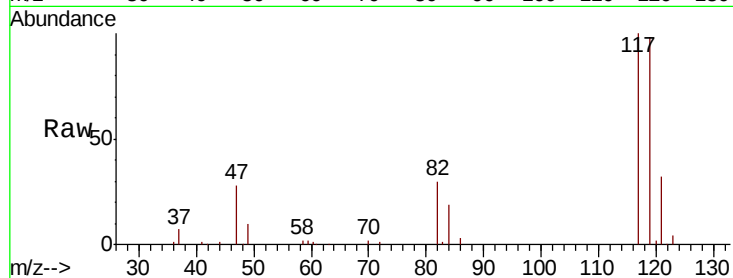
VSTD00529

Tot Ion:117 Resp: 74598

Ion Ratio Lower Upper

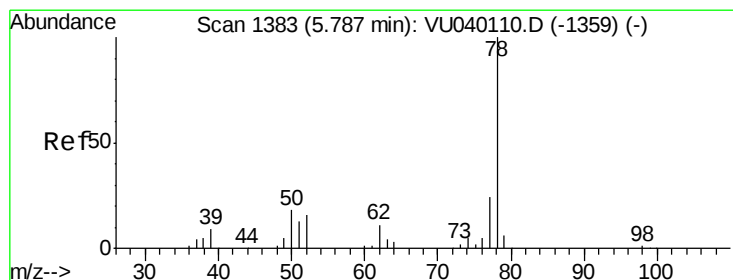
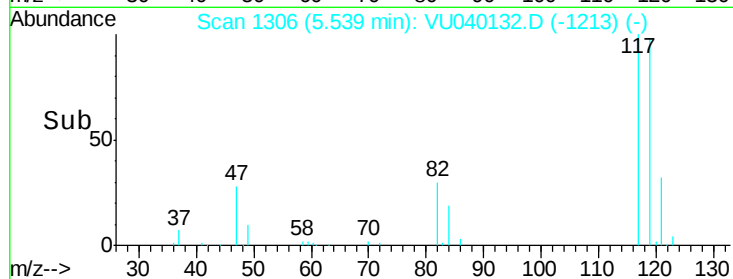
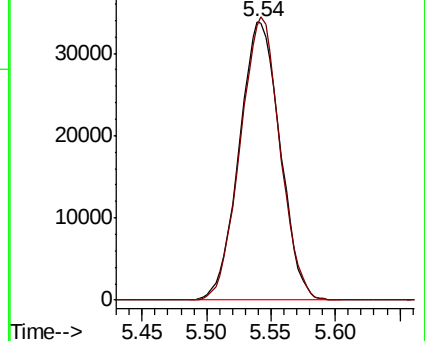
117 100

119 98.8 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.047 ug/L

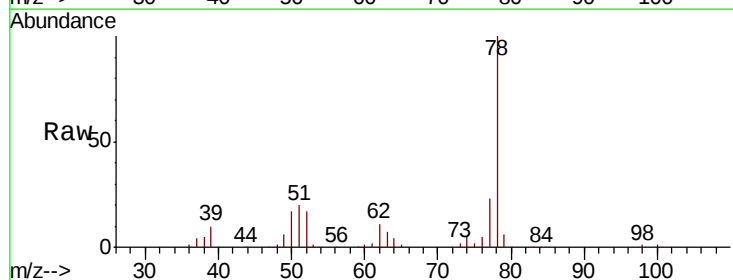
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU040132.D

Acq: 14 Sep 2020 20:42

Tgt Ion: 78 Resp: 209153



Abundance Ion 78.10 (77.80 to 78.80): VU0

120000

100000

80000

60000

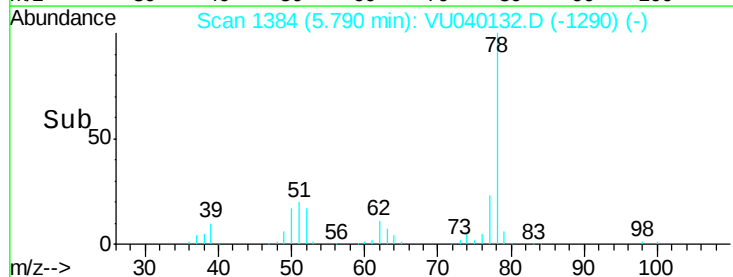
40000

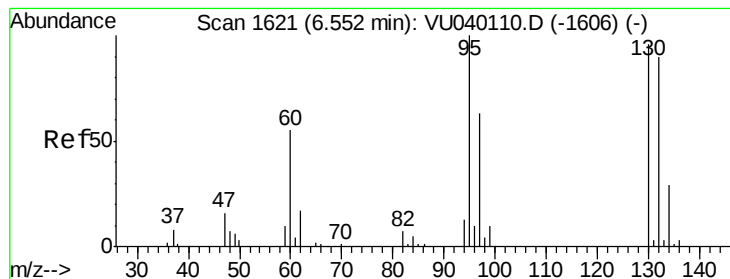
20000

0

5.70 5.80 5.90

Time-->





#34

Trichloroethene

Concen: 4.985 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU040132.D

Acq: 14 Sep 2020 20:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

Tot Ion: 95 Resp: 55410

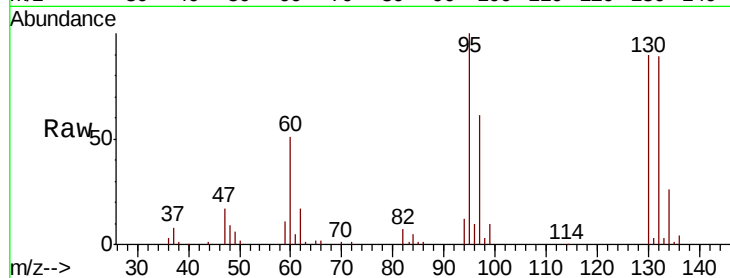
Ion Ratio Lower Upper

95 100

97 60.7 43.3 80.5

132 88.8 59.4 110.4

130 89.6 64.8 120.4

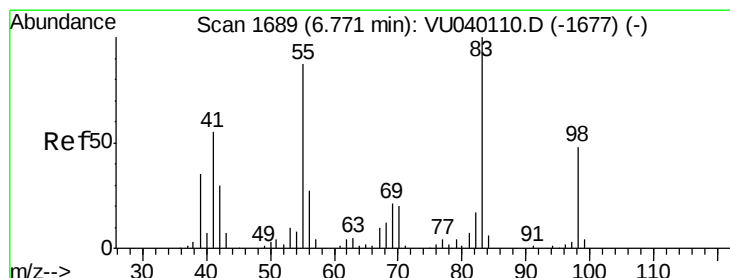
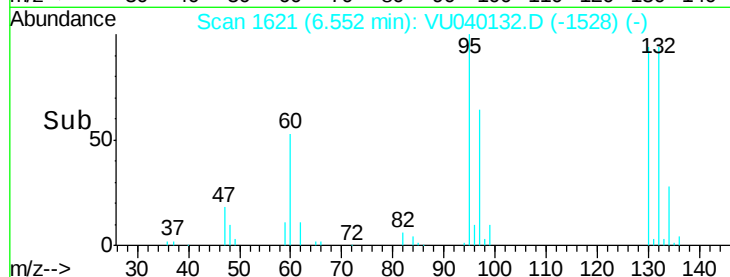
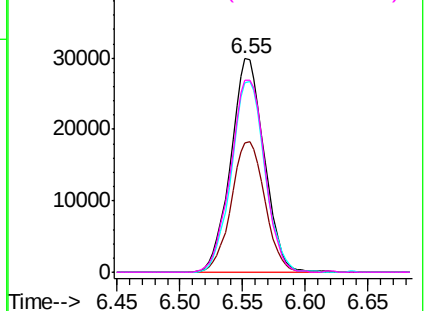


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.633 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU040132.D

Acq: 14 Sep 2020 20:42

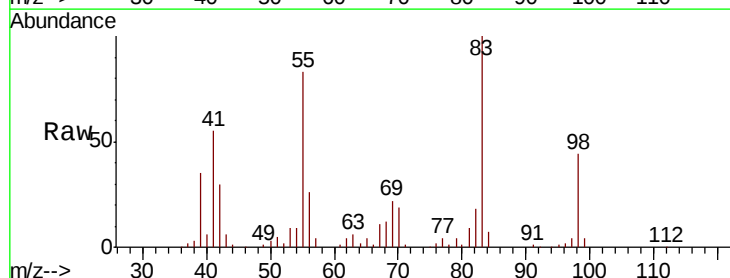
Tgt Ion: 83 Resp: 78861

Ion Ratio Lower Upper

83 100

55 83.5 70.5 105.7

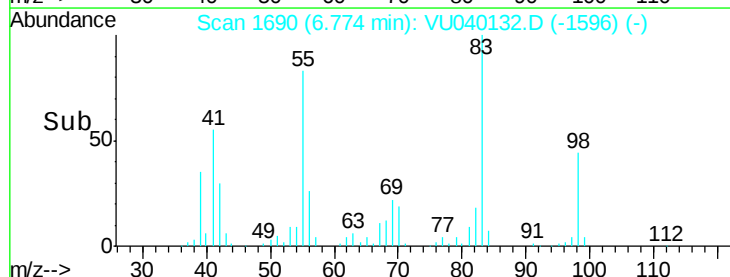
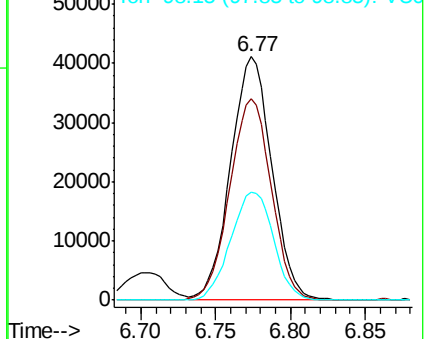
98 46.1 37.8 56.6

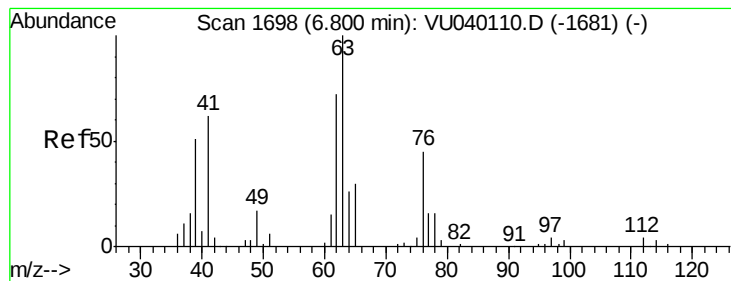


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 5.038 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VU040132.D

Acq: 14 Sep 2020 20:42

Instrument :

MSVOA_U

ClientSampleId :

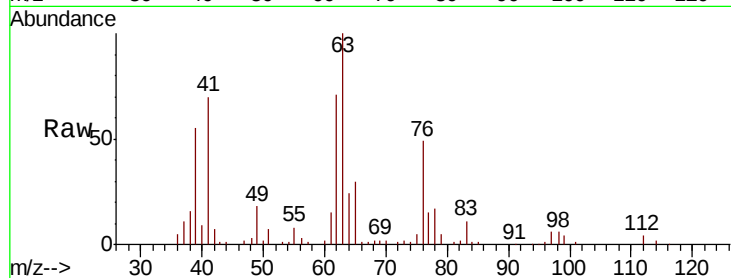
VSTD00529

Tot Ion: 63 Resp: 56531

Ion Ratio Lower Upper

63 100

112 4.1 3.2 4.8



Abundance Ion 63.10 (62.80 to 63.80): VU040110.D (-1681) (-)

Ion 112.10 (111.80 to 112.80): VU040110.D (-1681) (-)

6.80

30000

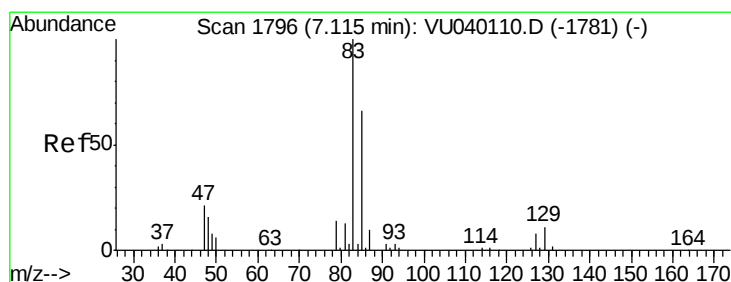
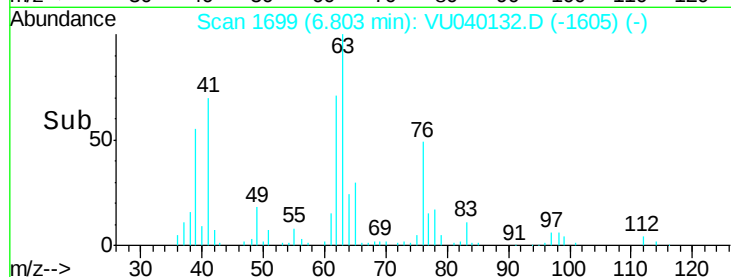
20000

10000

0

Time-->

6.70 6.75 6.80 6.85 6.90



#38

Bromodichloromethane

Concen: 4.866 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VU040132.D

Acq: 14 Sep 2020 20:42

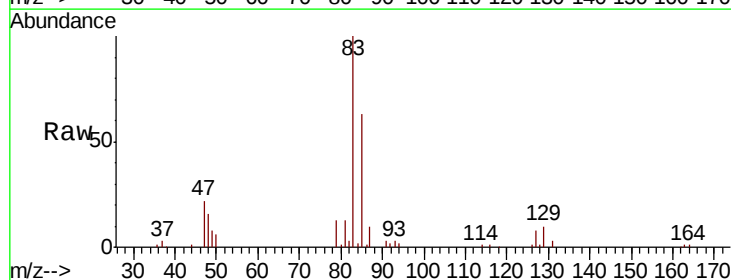
Tgt Ion: 83 Resp: 74526

Ion Ratio Lower Upper

83 100

85 62.7 45.1 83.9

127 8.2 6.7 10.1



Abundance Ion 82.95 (82.65 to 83.65): VU040110.D (-1781) (-)

Ion 85.00 (84.70 to 85.70): VU040110.D (-1781) (-)

Ion 126.90 (126.60 to 127.60): VU040110.D (-1781) (-)

7.11

50000

40000

30000

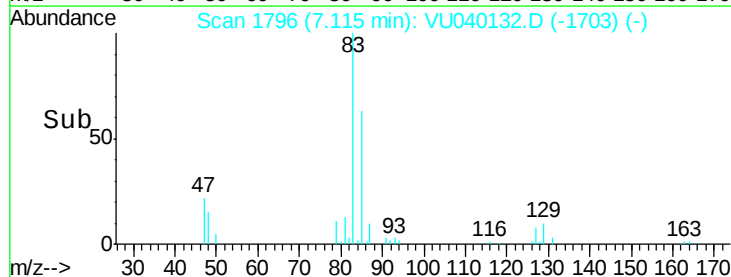
20000

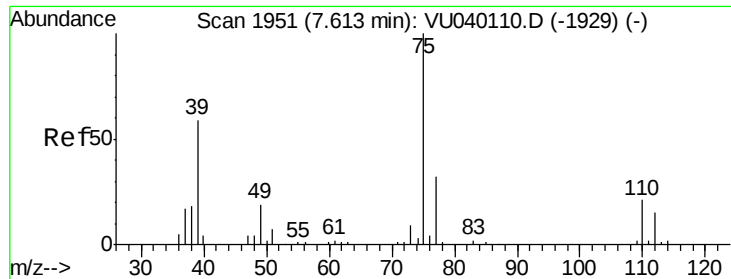
10000

0

Time-->

7.05 7.10 7.15 7.20

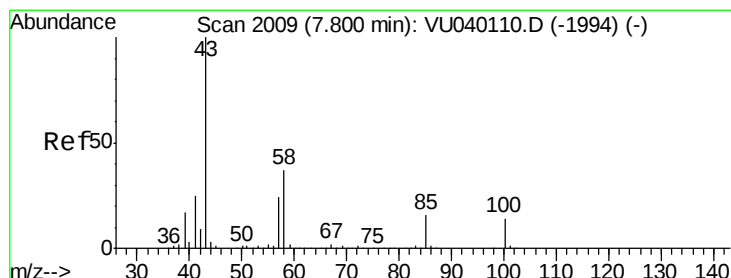
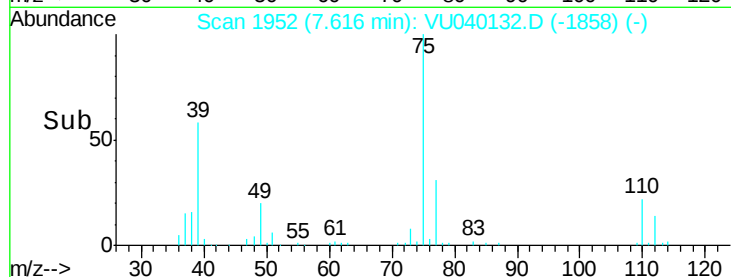
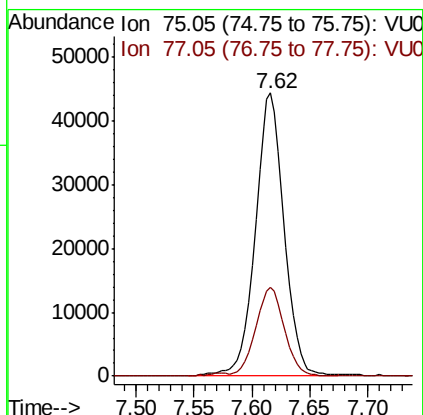
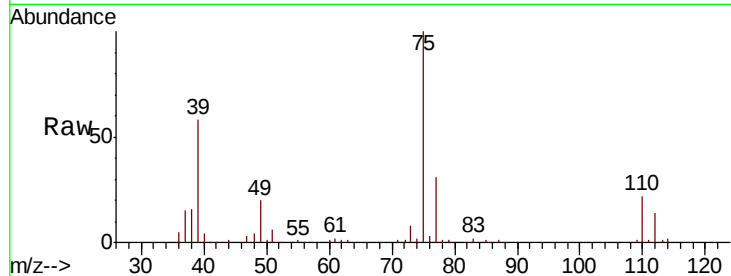




#39
 cis-1,3-Dichloropropene
 Concen: 4.646 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040132.D
 Acq: 14 Sep 2020 20:42

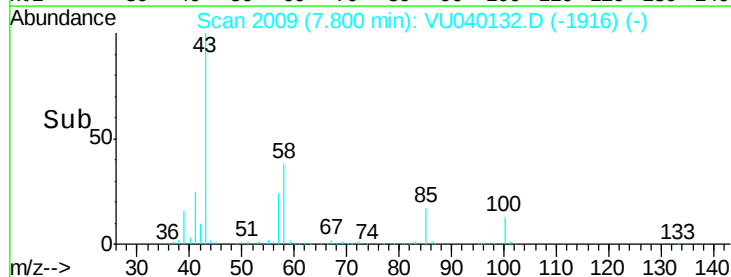
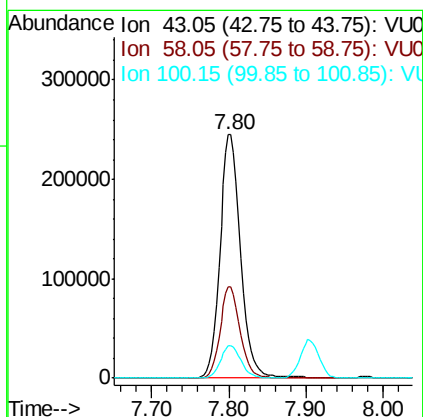
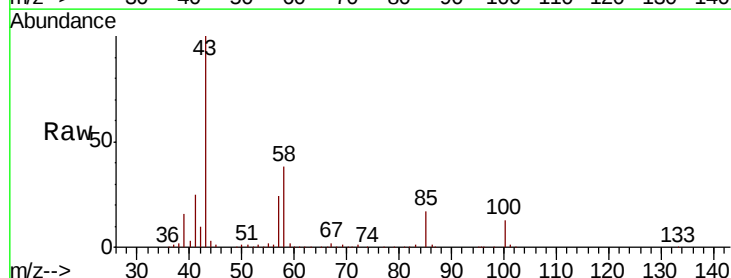
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

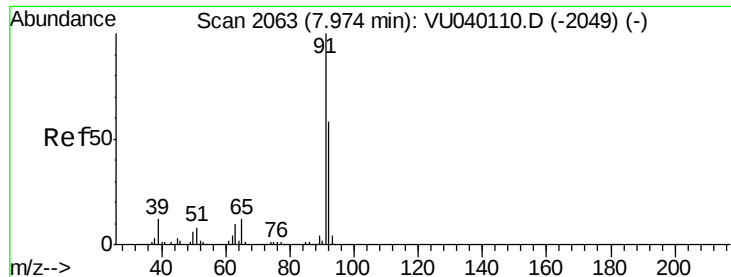
Tot Ion: 75 Resp: 76879
 Ion Ratio Lower Upper
 75 100
 77 31.3 21.1 39.3



#40
 4-Methyl-2-pentanone
 Concen: 49.361 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU040132.D
 Acq: 14 Sep 2020 20:42

Tgt Ion: 43 Resp: 454418
 Ion Ratio Lower Upper
 43 100
 58 36.6 28.7 43.1
 100 13.4 10.2 15.2





#42

Toluene

Concen: 5.164 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040132.D

Acq: 14 Sep 2020 20:42

Instrument :

MSVOA_U

ClientSampled :

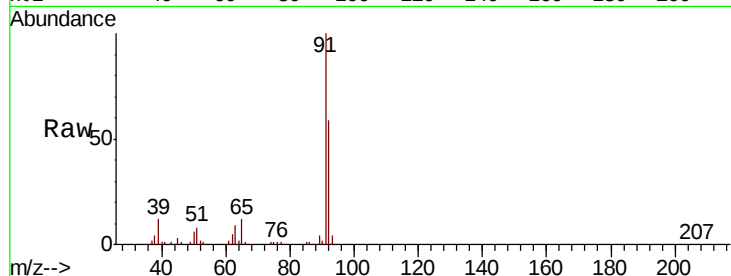
VSTD00529

Tot Ion: 91 Resp: 220374

Ion Ratio Lower Upper

91 100

92 59.4 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU040110.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU040110.D (-2049) (-)

7.98

150000

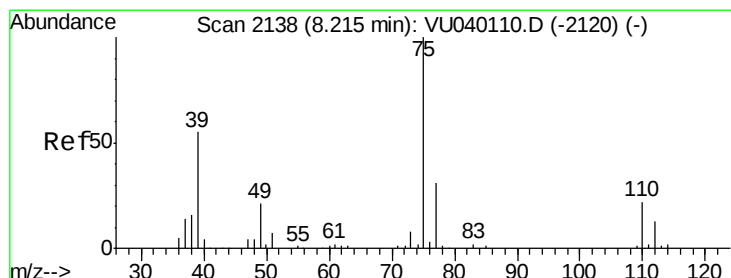
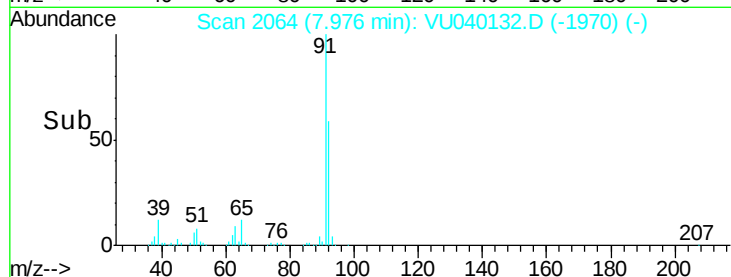
100000

50000

0

7.90 7.95 8.00 8.05

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.691 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040132.D

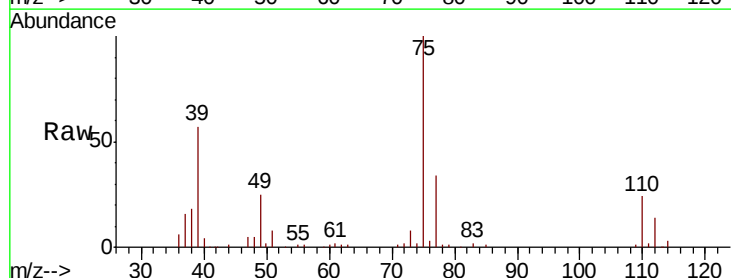
Acq: 14 Sep 2020 20:42

Tgt Ion: 75 Resp: 71925

Ion Ratio Lower Upper

75 100

77 33.7 23.9 44.3



Abundance Ion 75.05 (74.75 to 75.75): VU040110.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU040110.D (-2120) (-)

8.22

40000

30000

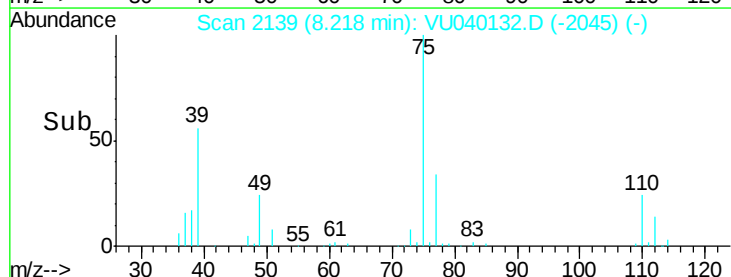
20000

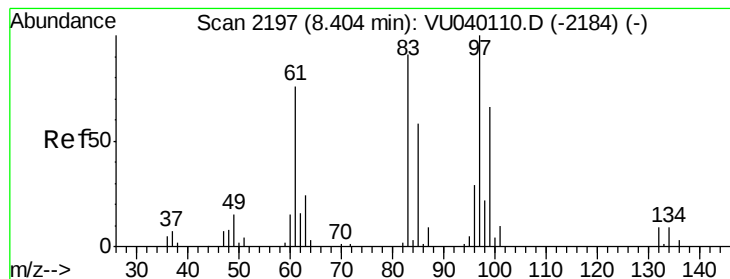
10000

0

8.15 8.20 8.25 8.30

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.254 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU040132.D

Acq: 14 Sep 2020 20:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

Tot Ion: 97 Resp: 42942

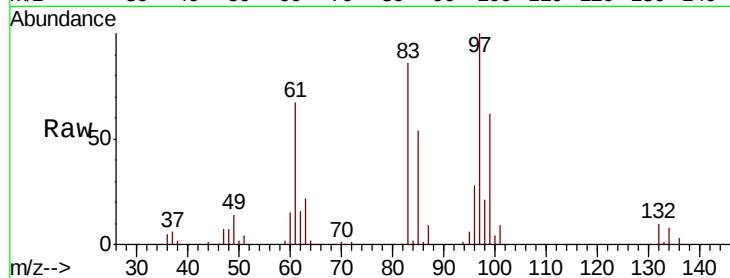
Ion Ratio Lower Upper

97 100

99 62.4 43.0 79.8

83 86.3 61.7 114.7

85 53.5 39.3 73.1

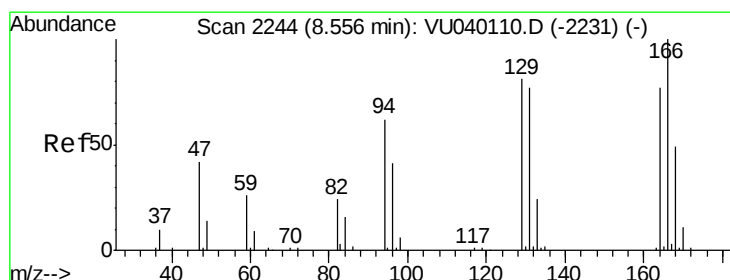
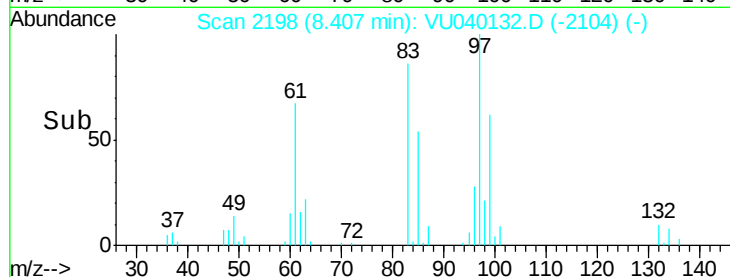
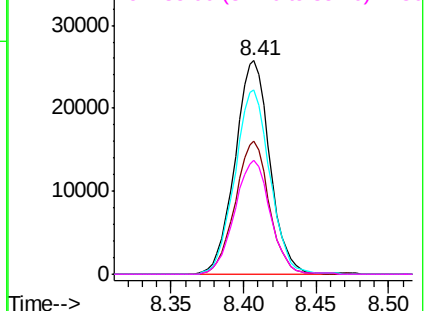


Abundance Ion 96.95 (96.65 to 97.65): VU040110.D (-2184) (-)

Ion 99.05 (98.75 to 99.75): VU040110.D (-2184) (-)

Ion 82.95 (82.65 to 83.65): VU040110.D (-2184) (-)

Ion 85.00 (84.70 to 85.70): VU040110.D (-2184) (-)



#47

Tetrachloroethene

Concen: 5.028 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040132.D

Acq: 14 Sep 2020 20:42

Tgt Ion: 164 Resp: 36708

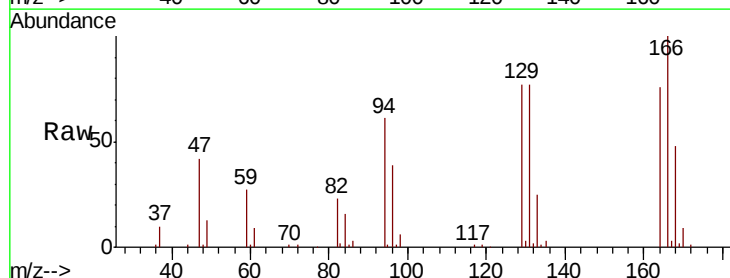
Ion Ratio Lower Upper

164 100

129 100.8 71.5 132.7

131 100.9 65.9 122.5

166 130.8 87.3 162.1

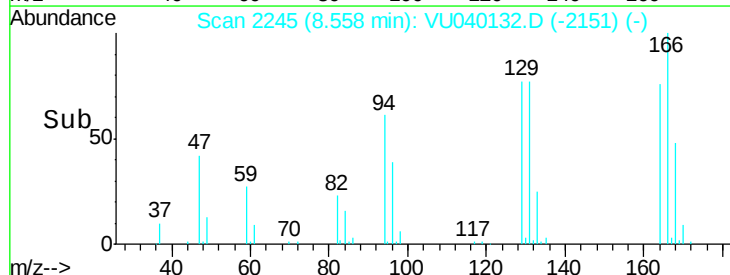
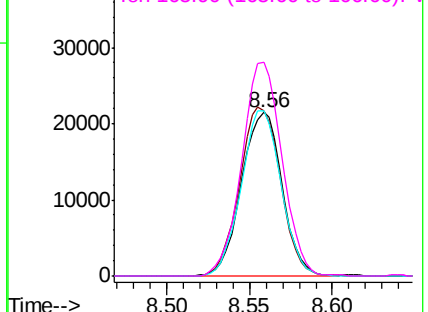


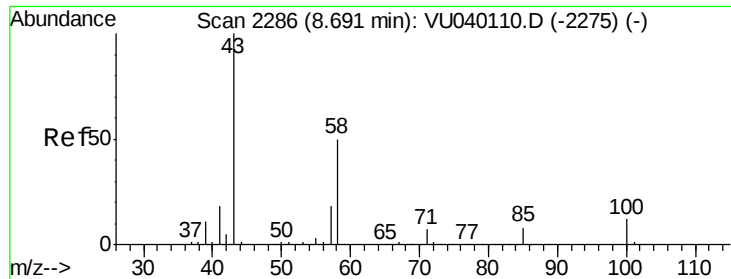
Abundance Ion 163.90 (163.60 to 164.60): VU040110.D (-2231) (-)

Ion 128.95 (128.65 to 129.65): VU040110.D (-2231) (-)

Ion 130.95 (130.65 to 131.65): VU040110.D (-2231) (-)

Ion 165.90 (165.60 to 166.60): VU040110.D (-2231) (-)

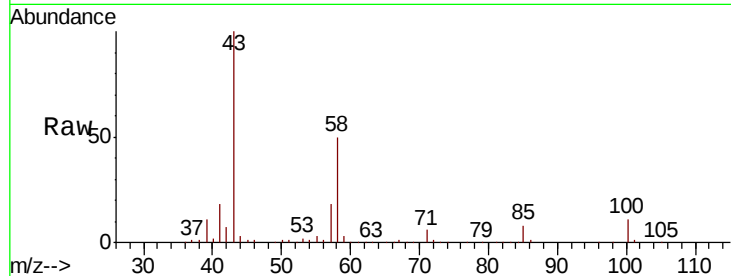




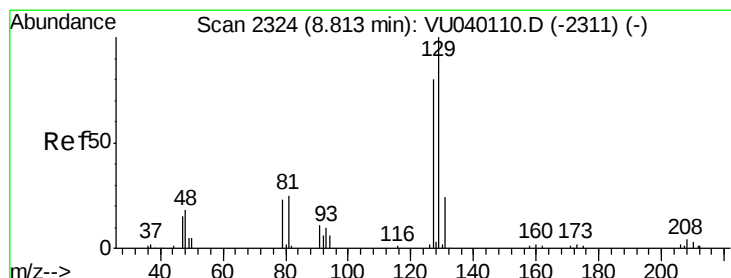
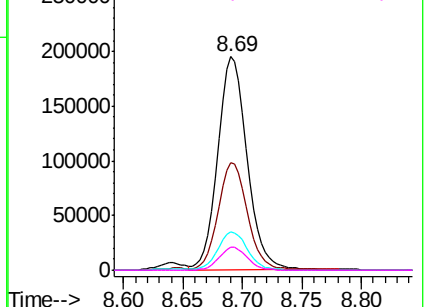
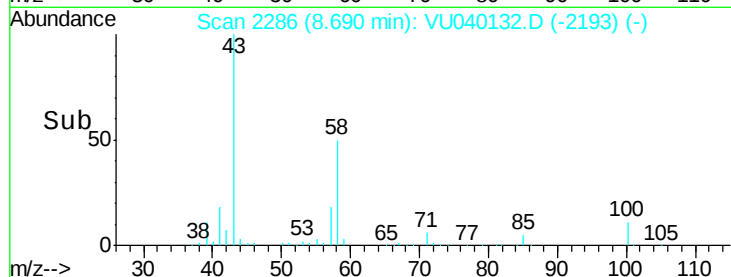
#48
2-Hexanone
Concen: 49.755 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU040132.D
Acq: 14 Sep 2020 20:42

Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

Tot Ion:	43	Resp:	334112
Ion	Ratio	Lower	Upper
43	100		
58	49.4	39.6	59.4
57	18.2	14.3	21.5
100	10.5	8.0	12.0

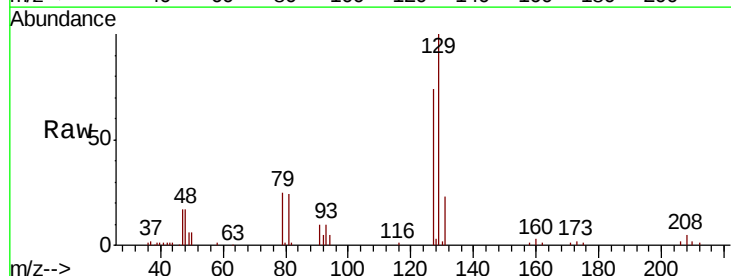


Abundance Ion 43.05 (42.75 to 43.75): VU040132.D (-2193) (-)
Ion 58.05 (57.75 to 58.75): VU040132.D (-2193) (-)
Ion 57.20 (56.90 to 57.90): VU040132.D (-2193) (-)
Ion 100.15 (99.85 to 100.85): VU040132.D (-2193) (-)

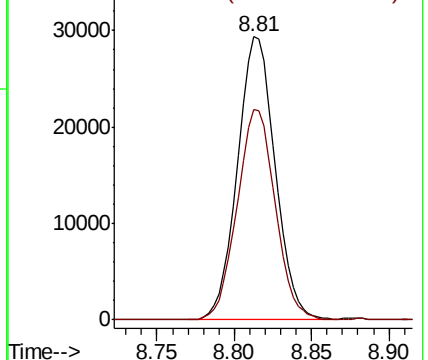
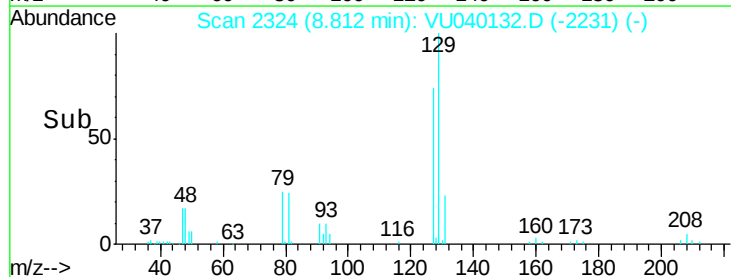


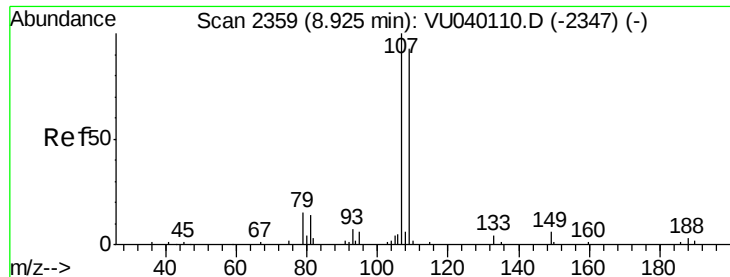
#49
Dibromochloromethane
Concen: 5.080 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU040132.D
Acq: 14 Sep 2020 20:42

Tgt Ion:	129	Resp:	49835
Ion	Ratio	Lower	Upper
129	100		
127	74.5	53.7	99.7



Abundance Ion 128.95 (128.65 to 129.65): VU040132.D (-2231) (-)
Ion 126.90 (126.60 to 127.60): VU040132.D (-2231) (-)

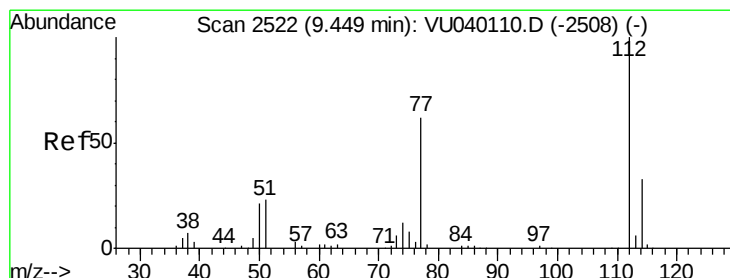
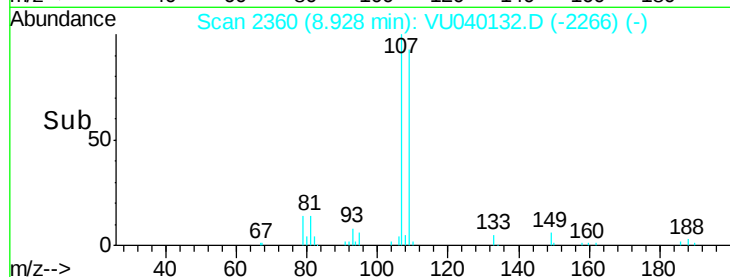
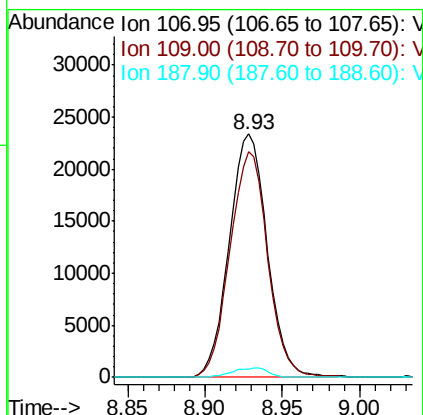
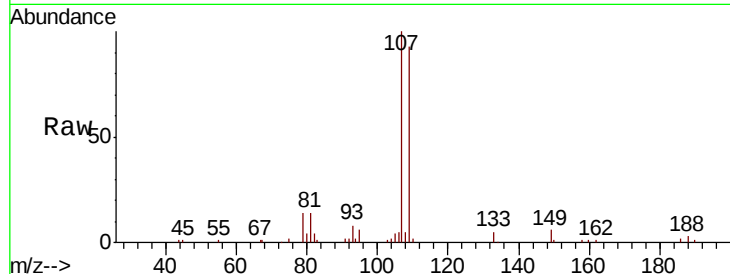




#50
1,2-Dibromoethane
Concen: 5.054 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU040132.D
Acq: 14 Sep 2020 20:42

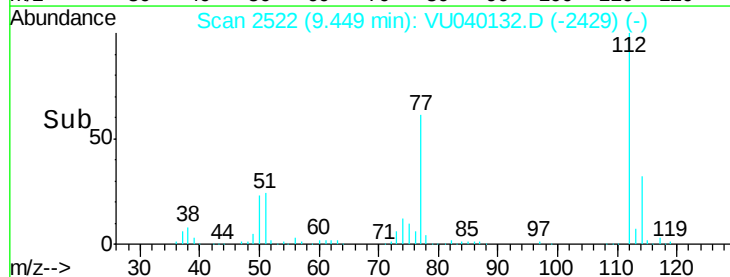
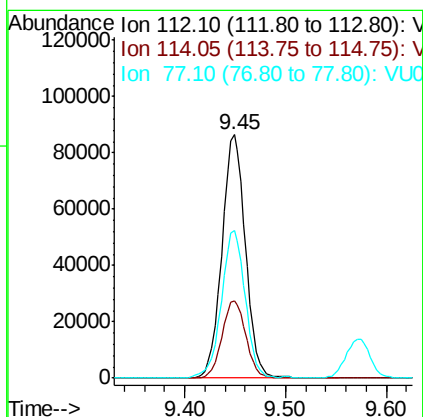
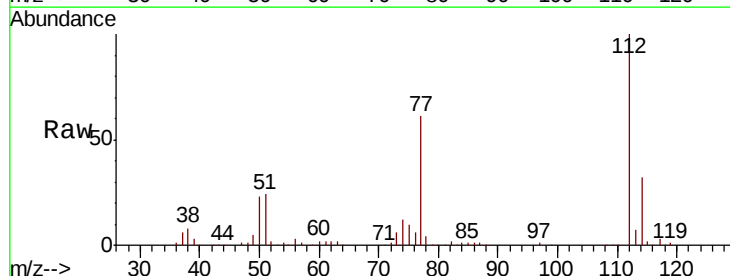
Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

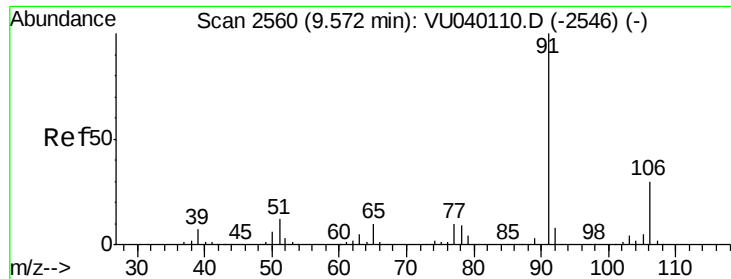
Tot Ion:107 Resp: 39826
Ion Ratio Lower Upper
107 100
109 92.6 62.4 115.8
188 3.4 2.3 3.5



#51
Chlorobenzene
Concen: 5.309 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU040132.D
Acq: 14 Sep 2020 20:42

Tgt Ion:112 Resp: 140664
Ion Ratio Lower Upper
112 100
114 31.9 22.7 42.3
77 60.7 53.2 79.8





#52

Ethylbenzene

Concen: 5.012 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040132.D

Acq: 14 Sep 2020 20:42

Instrument :

MSVOA_U

ClientSampleId :

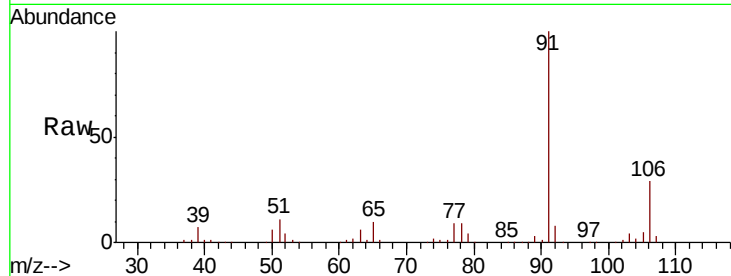
VSTD00529

Tot Ion: 91 Resp: 243024

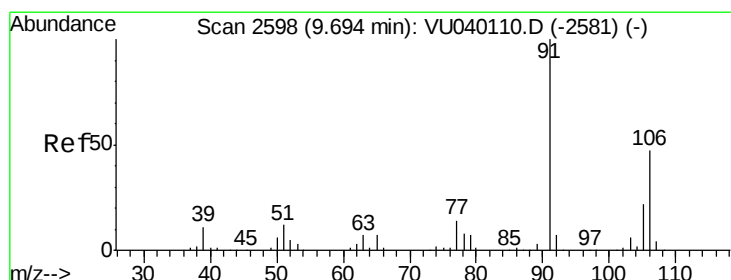
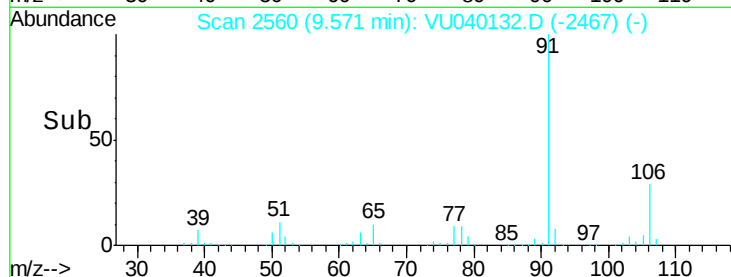
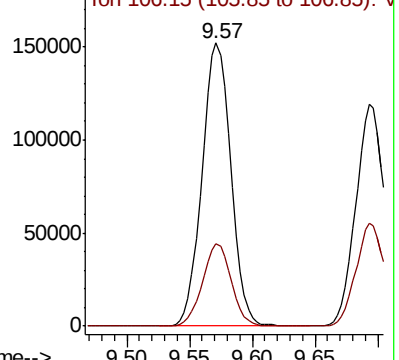
Ion Ratio Lower Upper

91 100

106 29.2 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU040110.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.192 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040132.D

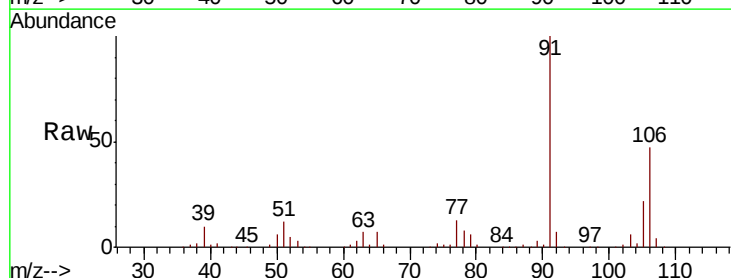
Acq: 14 Sep 2020 20:42

Tgt Ion: 106 Resp: 89630

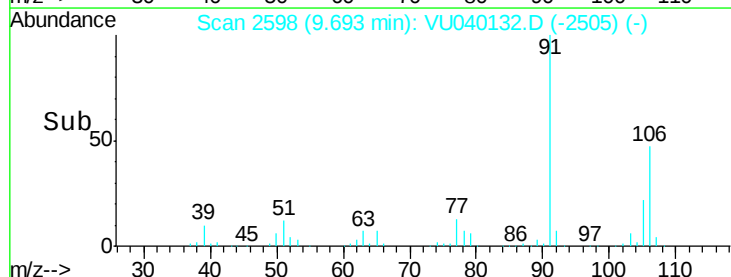
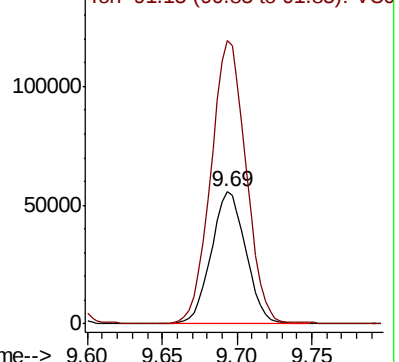
Ion Ratio Lower Upper

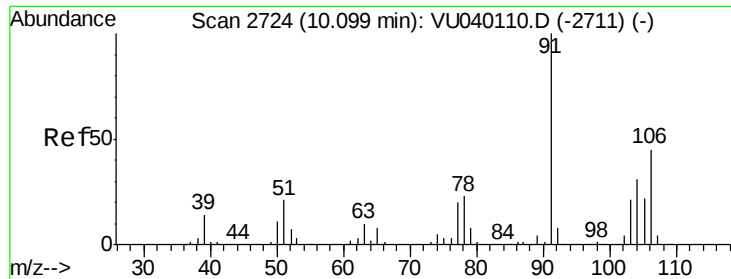
106 100

91 214.5 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): VU040110.D (-2581) (-)

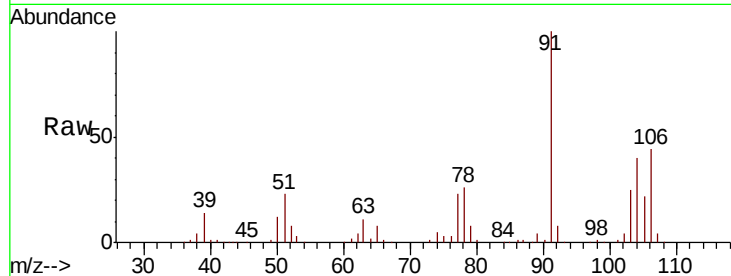




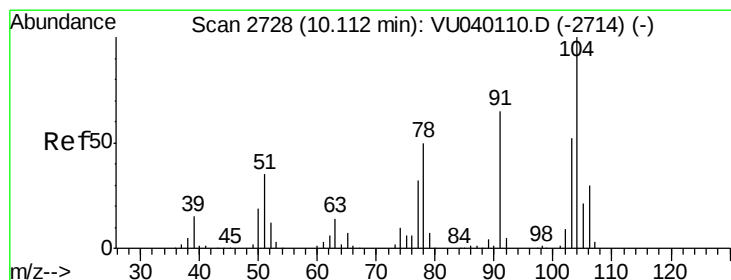
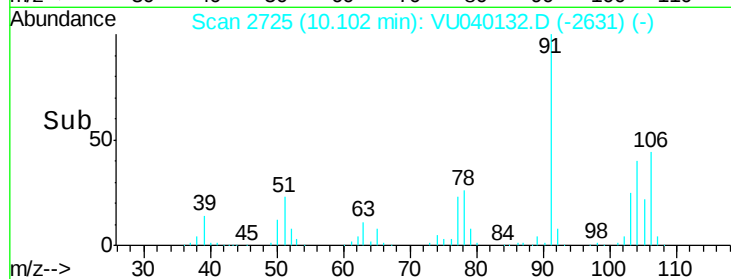
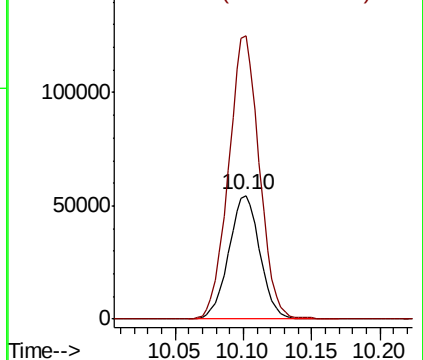
#54
o-Xylene
Concen: 5.254 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040132.D
Acq: 14 Sep 2020 20:42

Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

Tot Ion:106 Resp: 86432
Ion Ratio Lower Upper
106 100
91 228.5 160.8 298.6

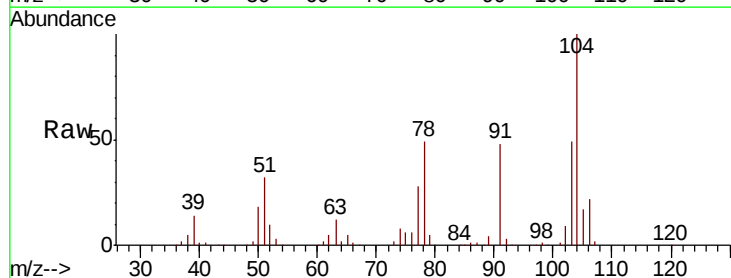


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

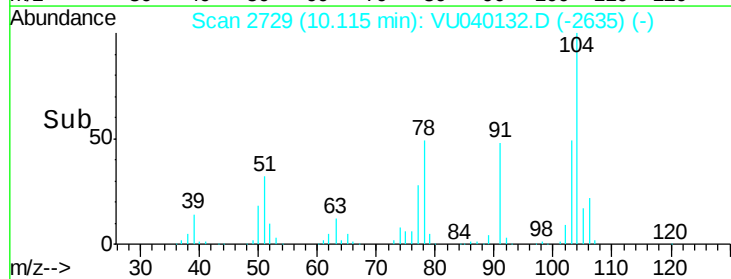
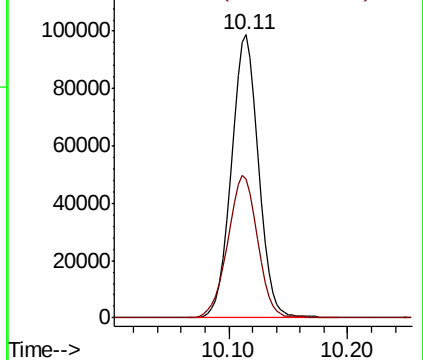


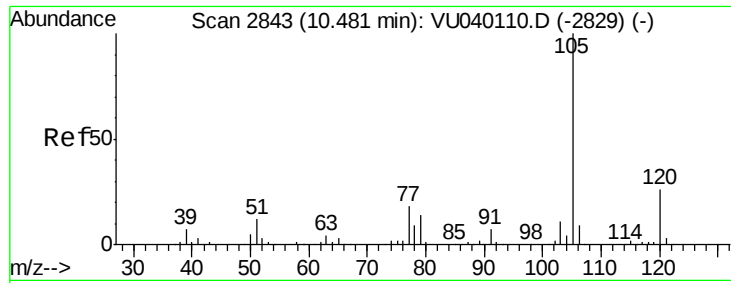
#55
Styrene
Concen: 5.455 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040132.D
Acq: 14 Sep 2020 20:42

Tgt Ion:104 Resp: 156037
Ion Ratio Lower Upper
104 100
78 49.2 36.8 68.3



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





#56

Isopropylbenzene

Concen: 5.312 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040132.D

Acq: 14 Sep 2020 20:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

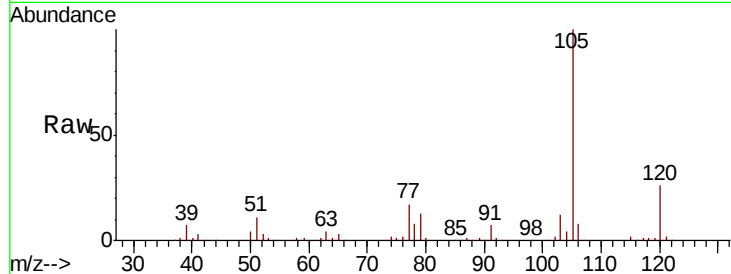
Tot Ion:105 Resp: 238330

Ion Ratio Lower Upper

105 100

120 25.5 20.1 30.1

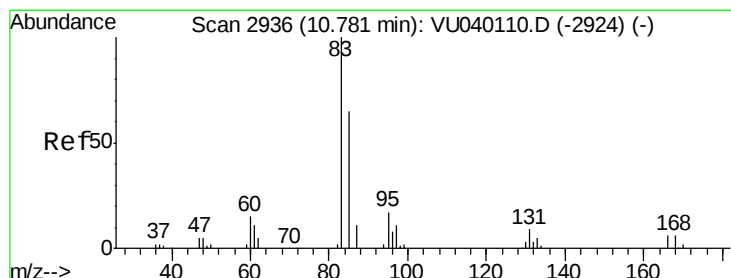
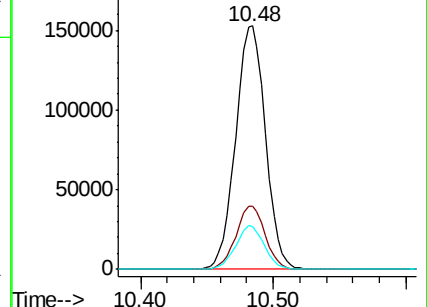
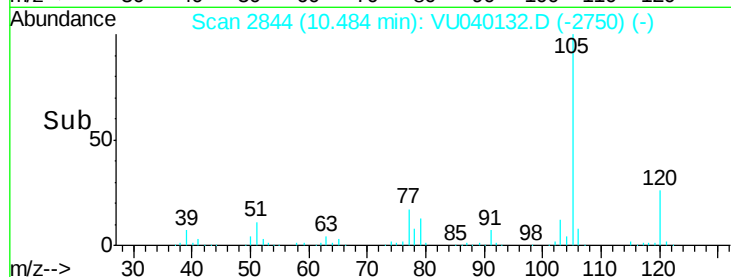
77 17.3 14.4 21.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.302 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040132.D

Acq: 14 Sep 2020 20:42

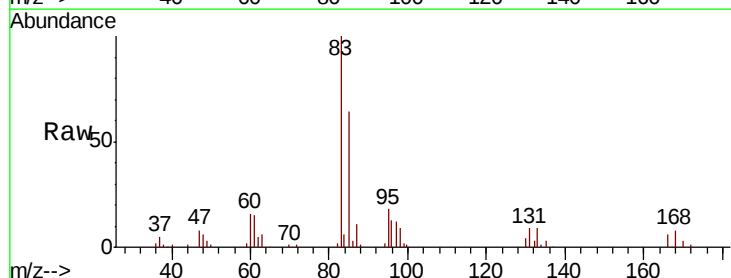
Tgt Ion: 83 Resp: 55574

Ion Ratio Lower Upper

83 100

85 63.6 44.9 83.3

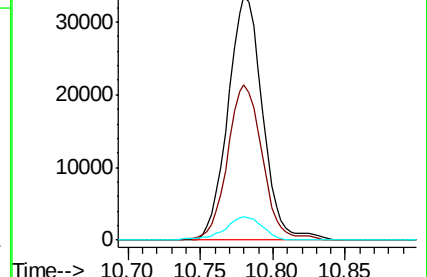
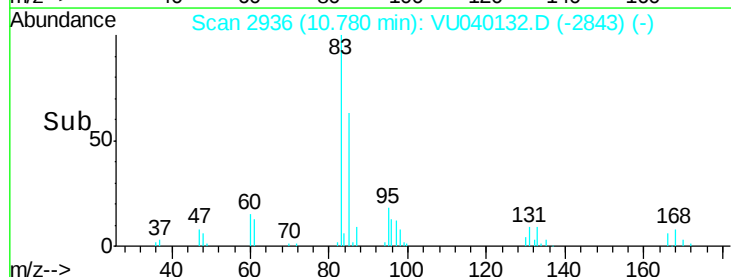
131 9.5 7.4 11.0

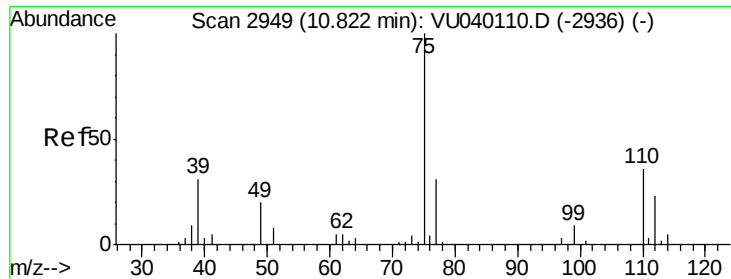


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

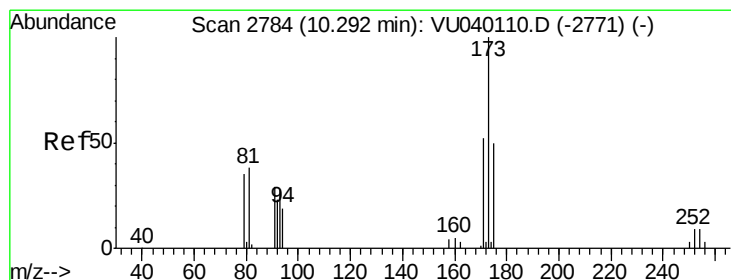
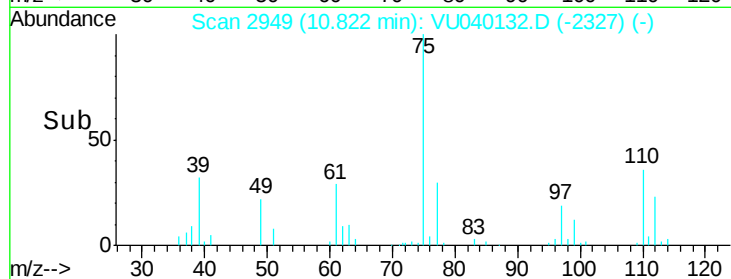
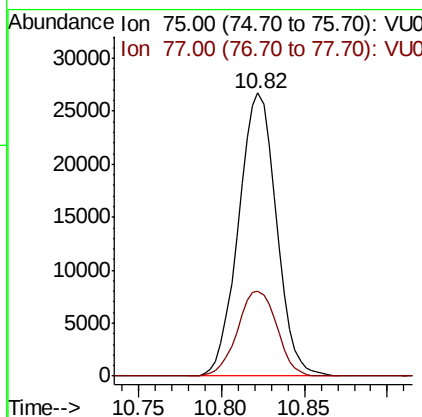
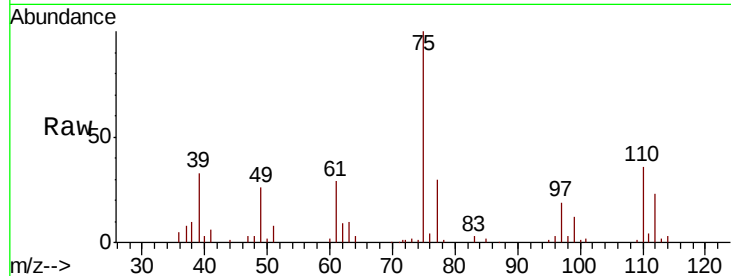




#59
 1,2,3-Trichloropropane
 Concen: 5.119 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. -0.00 min
 Lab File: VU040132.D
 Acq: 14 Sep 2020 20:42

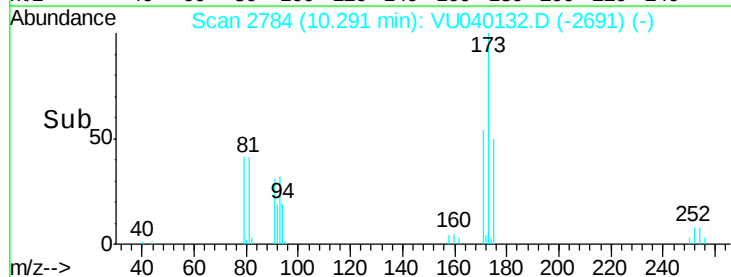
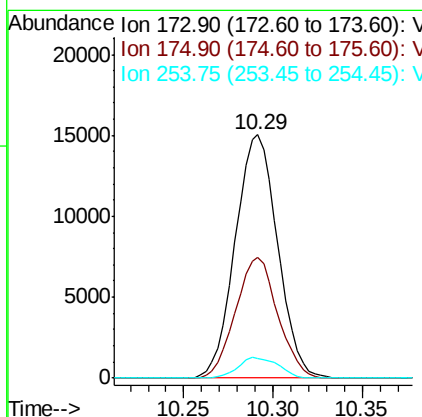
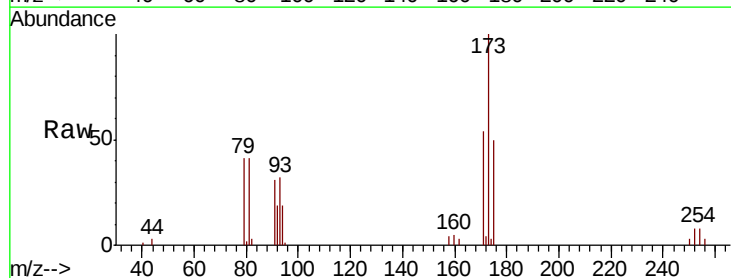
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

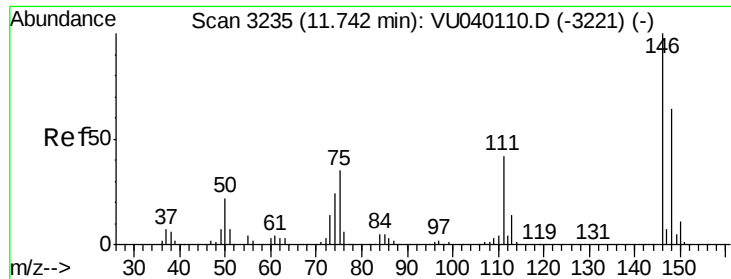
Tot Ion: 75 Resp: 42556
 Ion Ratio Lower Upper
 75 100
 77 31.4 24.9 37.3



#61
 Bromoform
 Concen: 4.573 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. -0.00 min
 Lab File: VU040132.D
 Acq: 14 Sep 2020 20:42

Tgt Ion: 173 Resp: 24934
 Ion Ratio Lower Upper
 173 100
 175 49.2 37.8 56.6
 254 8.0 6.8 10.2





#62

1,3-Dichlorobenzene

Concen: 5.176 ug/L

RT: 11.74 min Scan# 3234

Delta R.T. -0.00 min

Lab File: VU040132.D

Acq: 14 Sep 2020 20:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

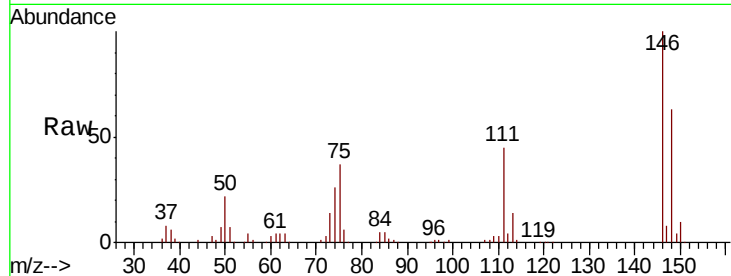
Tot Ion:146 Resp: 112468

Ion Ratio Lower Upper

146 100

111 45.4 31.6 58.8

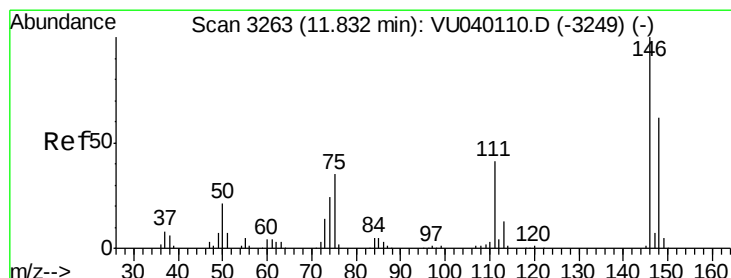
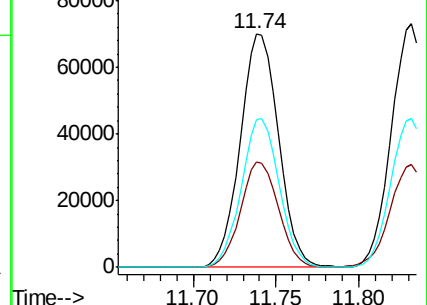
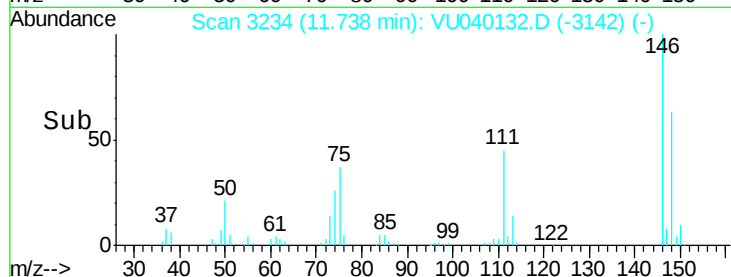
148 63.1 44.2 82.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.170 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU040132.D

Acq: 14 Sep 2020 20:42

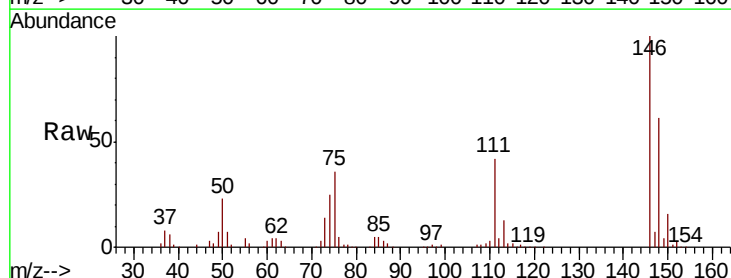
Tgt Ion:146 Resp: 113671

Ion Ratio Lower Upper

146 100

111 42.2 30.5 56.7

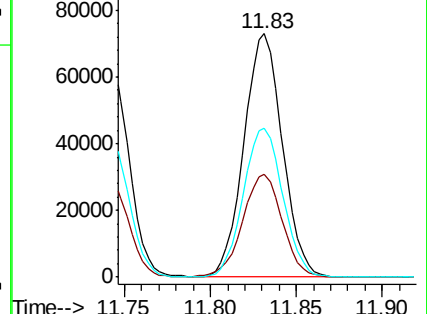
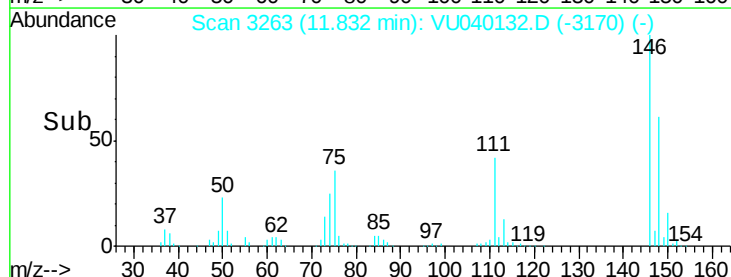
148 61.3 45.4 84.4

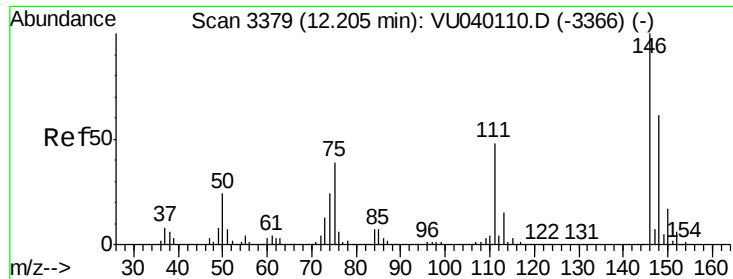


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.114 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU040132.D

Acq: 14 Sep 2020 20:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

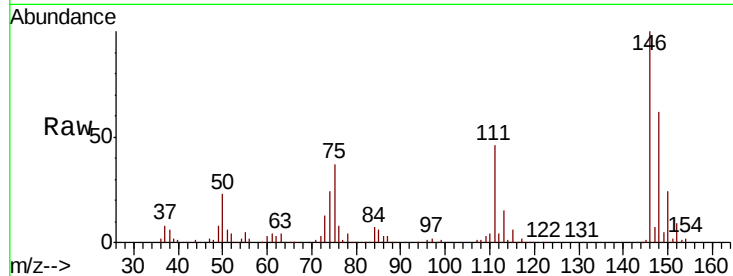
Tot Ion:146 Resp: 107528

Ion Ratio Lower Upper

146 100

111 46.4 36.5 54.7

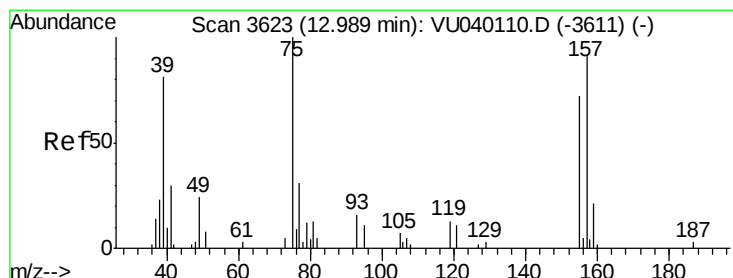
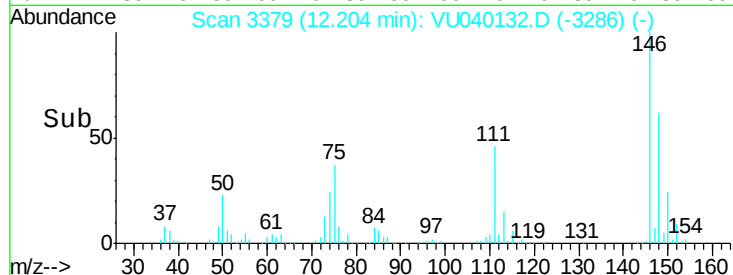
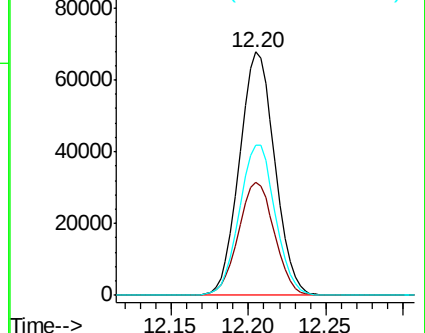
148 61.9 48.6 72.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.149 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU040132.D

Acq: 14 Sep 2020 20:42

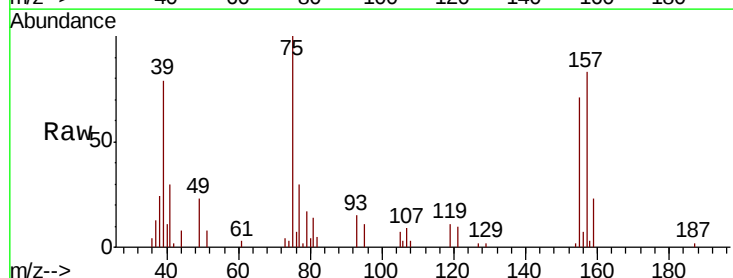
Tgt Ion: 75 Resp: 9329

Ion Ratio Lower Upper

75 100

155 70.5 54.6 82.0

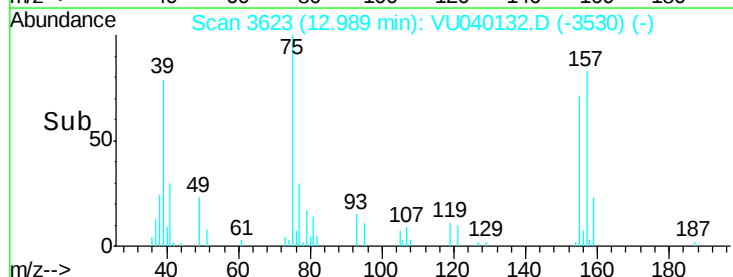
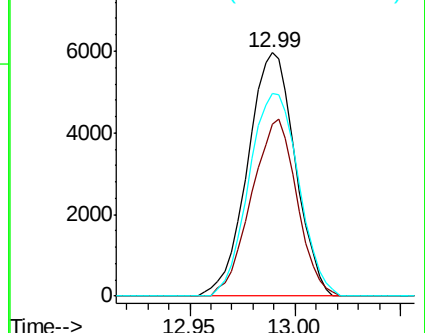
157 83.0 75.6 113.4

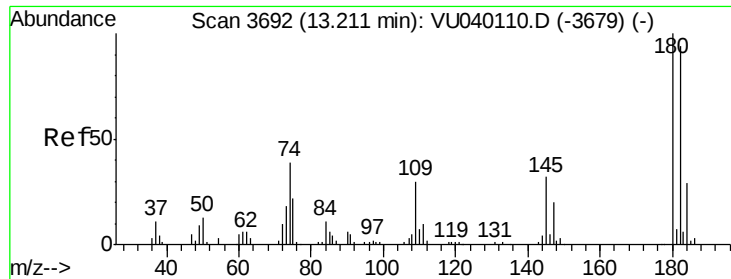


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

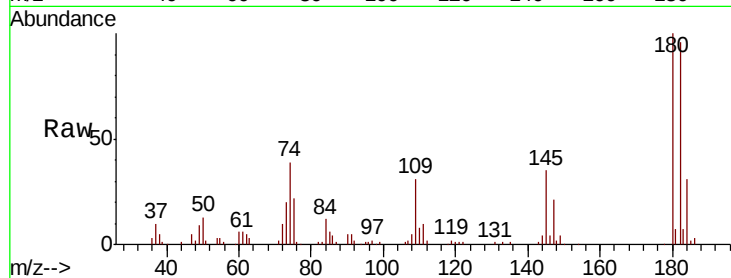




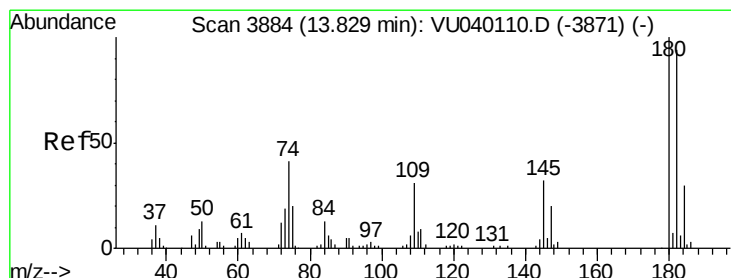
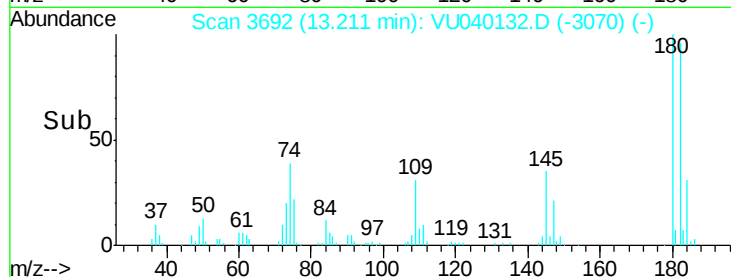
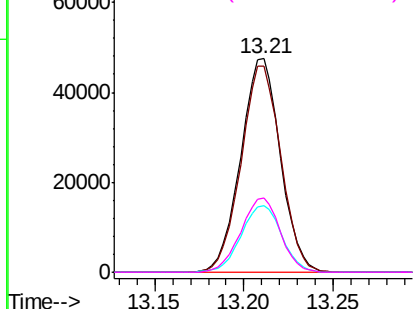
#67
 1,3,5-Trichlorobenzene
 Concen: 4.812 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU040132.D
 Acq: 14 Sep 2020 20:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

Tot Ion:	180	Resp:	73530
Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.9	115.3
184	32.0	24.6	36.8
145	34.5	27.0	40.6

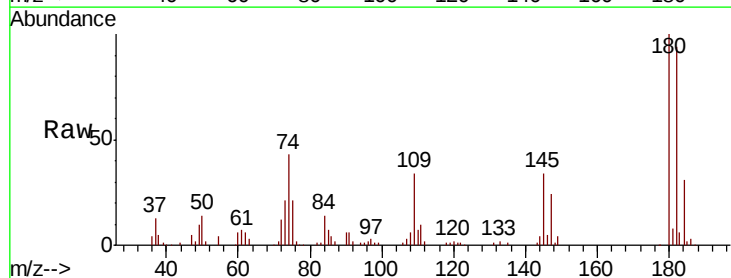


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

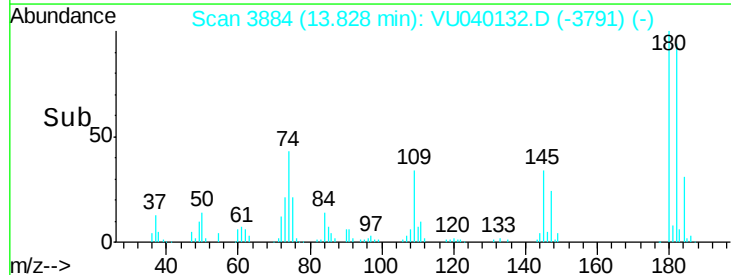
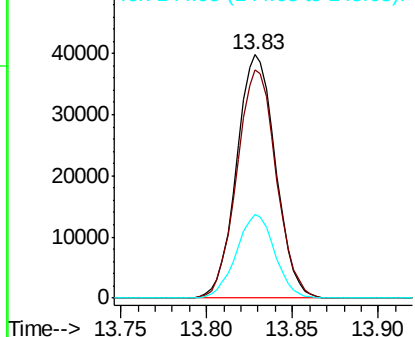


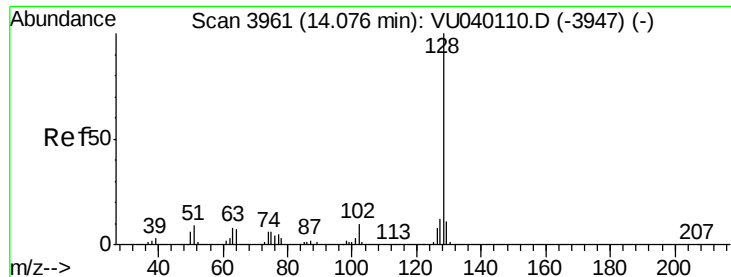
#68
 1,2,4-trichlorobenzene
 Concen: 4.759 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040132.D
 Acq: 14 Sep 2020 20:42

Tgt Ion:	180	Resp:	62631
Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.0	114.0
145	33.8	28.4	42.6



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.275 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040132.D

Acq: 14 Sep 2020 20:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

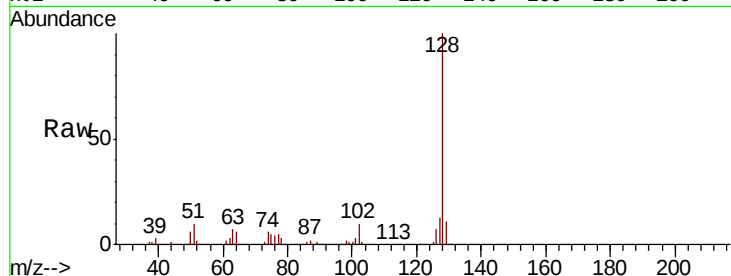
Tot Ion:128 Resp: 117285

Ion Ratio Lower Upper

128 100

129 10.5 8.7 13.1

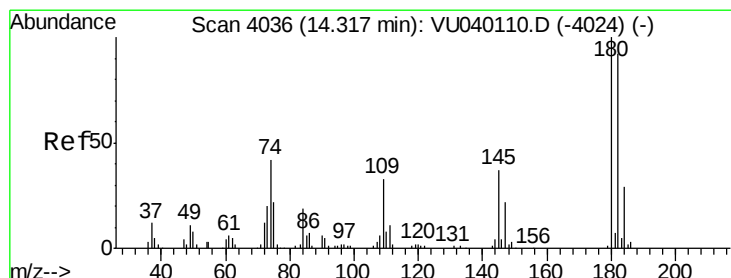
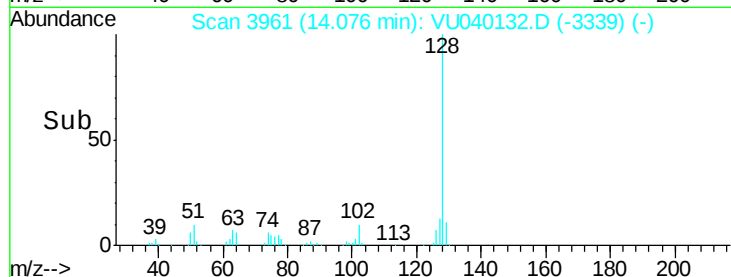
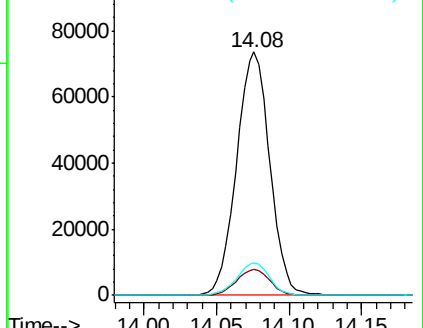
127 13.1 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.903 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU040132.D

Acq: 14 Sep 2020 20:42

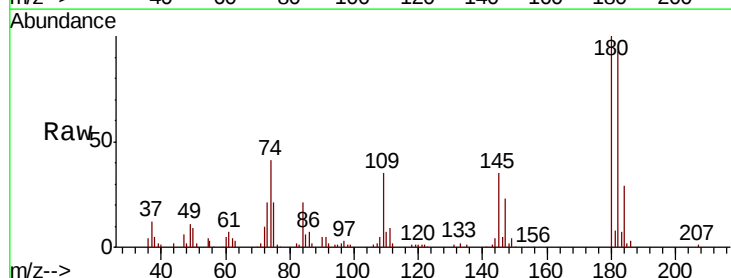
Tgt Ion:180 Resp: 59267

Ion Ratio Lower Upper

180 100

182 93.3 77.8 116.6

145 36.3 28.7 43.1



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

