

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100920\
 Data File : VU040623.D
 Acq On : 10 Oct 2020 07:06
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Quant Time: Oct 10 07:41:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 10 05:58:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	128813	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	131554	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	67780	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	50026	4.69	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.80%
7) Chloroethane-d5	1.92	69	41975	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.00%
11) 1,1-Dichloroethene-d2	2.58	63	102015	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.80%
20) 2-Butanone-d5	4.66	46	185015	54.17	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.34%
24) Chloroform-d	5.08	84	97092	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
26) 1,2-Dichloroethane-d4	5.72	65	57184	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
32) Benzene-d6	5.74	84	178695	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
36) 1,2-Dichloropropane-d6	6.70	67	59534	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.00%
41) Toluene-d8	7.91	98	161445	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
43) trans-1,3-Dichloropropene-	8.19	79	25161	5.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.80%
46) 2-Hexanone-d5	8.64	63	136920	53.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.50%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	55099	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	61898	4.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	58343	4.999 ug/L	100
3) Chloromethane	1.53	50	50824	4.657 ug/L	98
5) Vinyl chloride	1.61	62	55107	4.794 ug/L	88
6) Bromomethane	1.87	94	21653	3.469 ug/L	96
8) Chloroethane	1.94	64	36815	5.030 ug/L	92
9) Trichlorofluoromethane	2.15	101	82694	5.010 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	52945	4.941 ug/L	97
12) 1,1-Dichloroethene	2.59	96	47170	5.132 ug/L	92
13) Acetone	2.68	43	121767	45.992 ug/L	60
14) Carbon disulfide	2.81	76	123873	4.815 ug/L	99
15) Methyl Acetate	2.97	43	28829	4.769 ug/L #	75
16) Methylene chloride	3.06	84	55961	4.742 ug/L	94
17) Methyl tert-butyl Ether	3.38	73	131303	5.052 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	47294	4.916 ug/L	97
19) 1,1-Dichloroethane	3.89	63	102591	5.156 ug/L	98
21) 2-Butanone	4.74	43	201889	48.911 ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	54442	5.247 ug/L	96

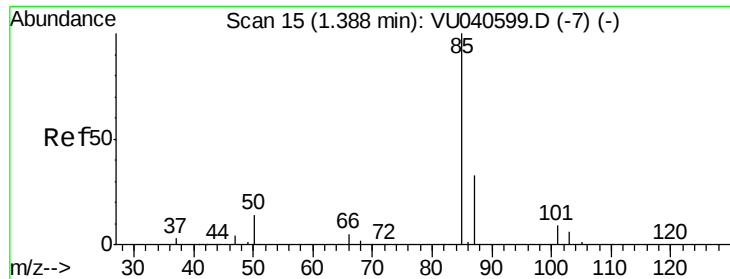
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100920\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 10 05:58:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	26546	5.150	ug/L	96
25) Chloroform	5.11	83	105483	5.192	ug/L	100
27) 1,2-Dichloroethane	5.81	62	74192	5.160	ug/L	99
29) 1,1,1-Trichloroethane	5.33	97	88737	5.020	ug/L	99
30) Cyclohexane	5.40	56	78049	4.791	ug/L	98
31) Carbon tetrachloride	5.54	117	74736	4.940	ug/L	99
33) Benzene	5.79	78	212679	5.032	ug/L	100
34) Trichloroethene	6.55	95	53406	4.875	ug/L	95
35) Methylcyclohexane	6.77	83	72743	4.682	ug/L	99
37) 1,2-Dichloropropane	6.80	63	58935	5.005	ug/L	100
38) Bromodichloromethane	7.11	83	75980	5.047	ug/L	96
39) cis-1,3-Dichloropropene	7.62	75	74714	4.644	ug/L	91
40) 4-Methyl-2-pentanone	7.80	43	473389	50.423	ug/L	99
42) Toluene	7.98	91	221953	5.154	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	71246	4.810	ug/L	97
45) 1,1,2-Trichloroethane	8.41	97	43557	4.939	ug/L	100
47) Tetrachloroethene	8.56	164	39520	5.056	ug/L	93
48) 2-Hexanone	8.69	43	353826	50.620	ug/L	100
49) Dibromochloromethane	8.82	129	52216	5.145	ug/L	94
50) 1,2-Dibromoethane	8.93	107	40565	4.849	ug/L	96
51) Chlorobenzene	9.45	112	138214	4.872	ug/L	99
52) Ethylbenzene	9.57	91	233837	5.017	ug/L	98
53) m,p-Xylene	9.69	106	86449	5.088	ug/L	98
54) o-Xylene	10.10	106	84130	5.149	ug/L	93
55) Styrene	10.11	104	148261	5.226	ug/L	100
56) Isopropylbenzene	10.48	105	225406	5.125	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	57030	4.925	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	43604	5.041	ug/L	96
61) Bromoform	10.29	173	28446	4.896	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	110262	4.970	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	113332	4.954	ug/L	100
65) 1,2-Dichlorobenzene	12.20	146	107939	4.977	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	9002	4.740	ug/L	96
67) 1,3,5-Trichlorobenzene	13.21	180	73970	4.699	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	59229	4.870	ug/L	99
69) Naphthalene	14.08	128	96376	4.844	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	56537	5.006	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.999 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU040623.D

Acq: 10 Oct 2020 07:06

Instrument :

MSVOA_U

ClientSampleId :

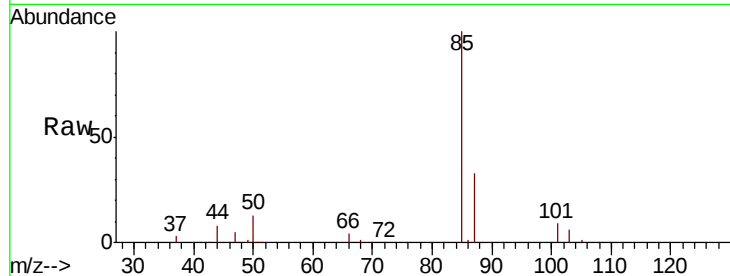
VSTD00525

Tot Ion: 85 Resp: 58343

Ion Ratio Lower Upper

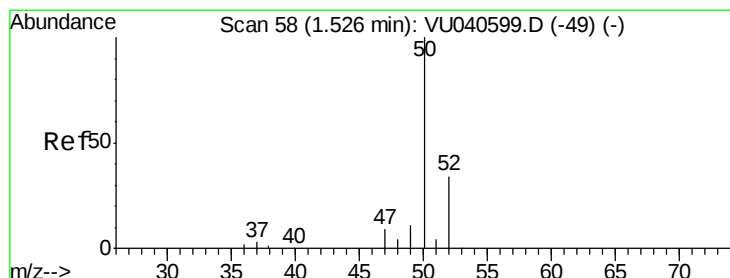
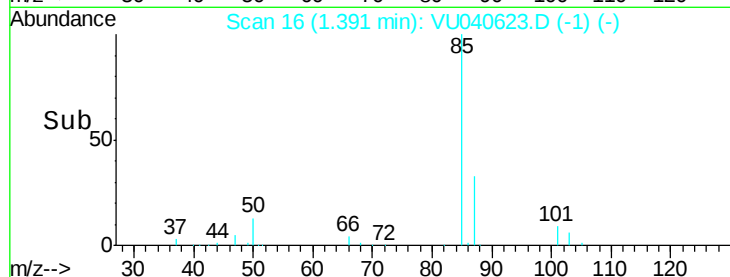
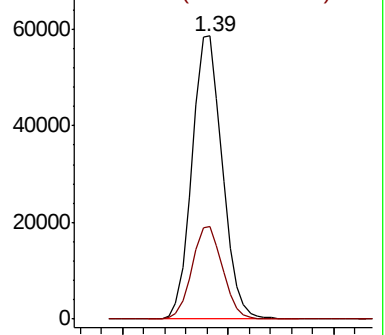
85 100

87 32.9 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU040599.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU040599.D (-7) (-)



#3

Chloromethane

Concen: 4.657 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040623.D

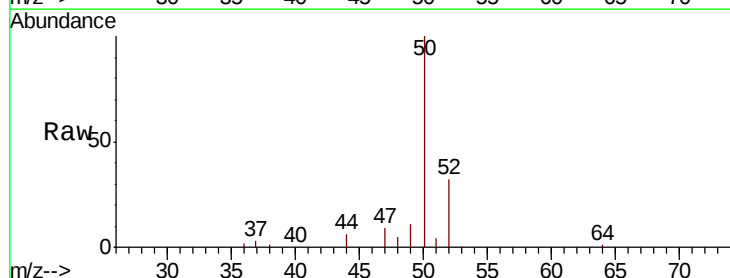
Acq: 10 Oct 2020 07:06

Tgt Ion: 50 Resp: 50824

Ion Ratio Lower Upper

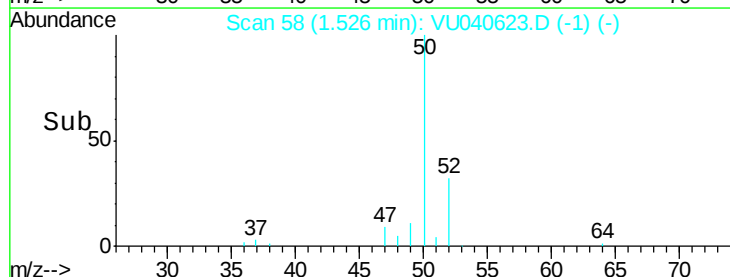
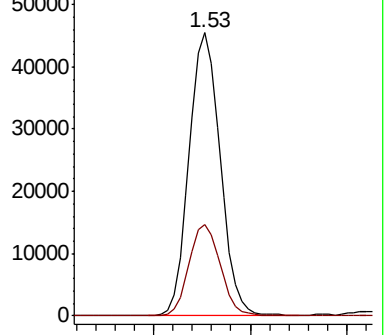
50 100

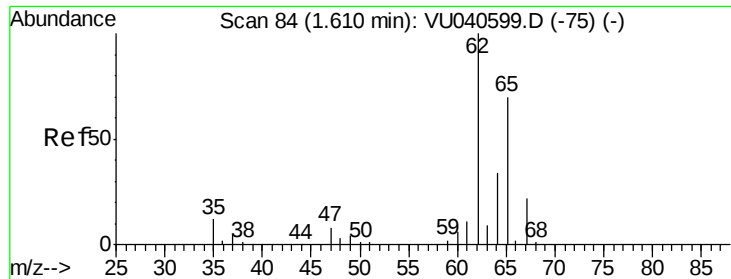
52 32.3 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU040599.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU040599.D (-49) (-)

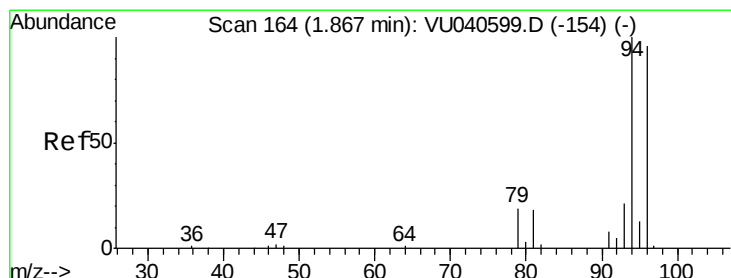
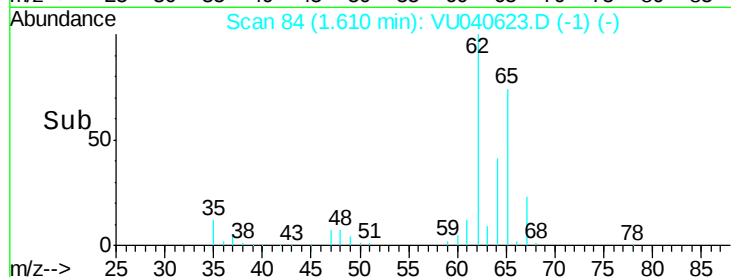
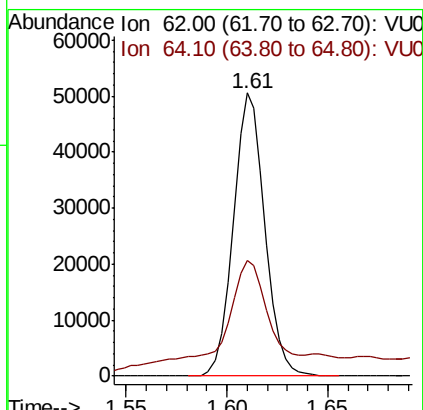
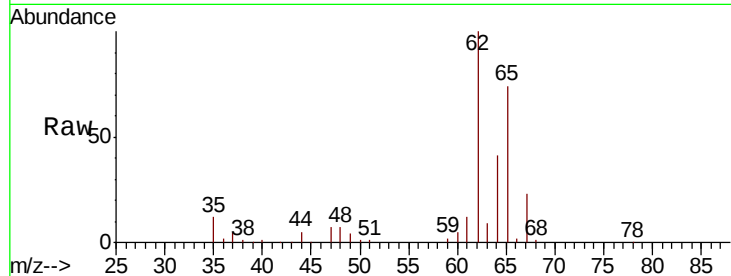




#5
Vinyl chloride
Concen: 4.794 ug/L
RT: 1.61 min Scan# 84
Delta R.T. -0.00 min
Lab File: VU040623.D
Acq: 10 Oct 2020 07:06

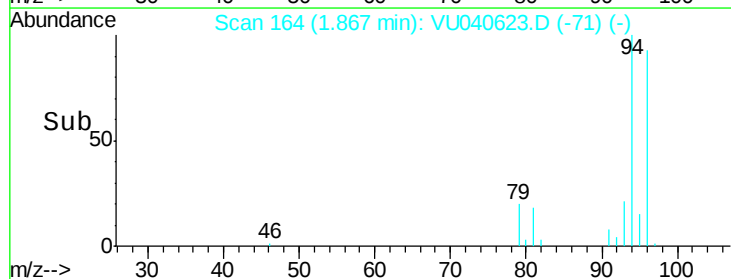
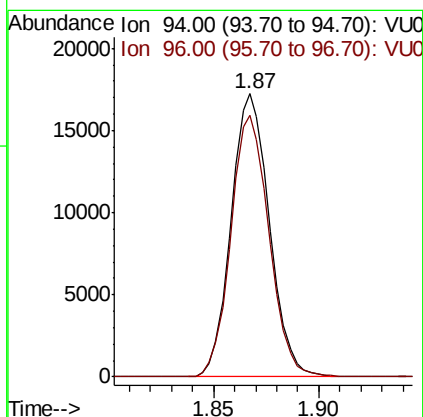
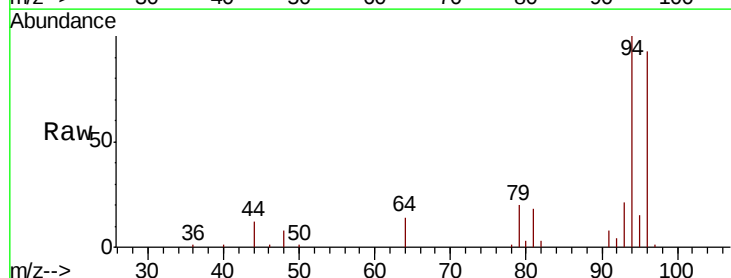
Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

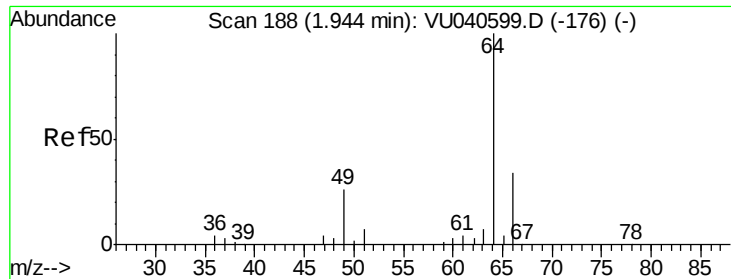
Tot Ion: 62 Resp: 55107
Ion Ratio Lower Upper
62 100
64 40.7 23.7 44.1



#6
Bromomethane
Concen: 3.469 ug/L
RT: 1.87 min Scan# 164
Delta R.T. -0.00 min
Lab File: VU040623.D
Acq: 10 Oct 2020 07:06

Tgt Ion: 94 Resp: 21653
Ion Ratio Lower Upper
94 100
96 92.5 62.1 115.3

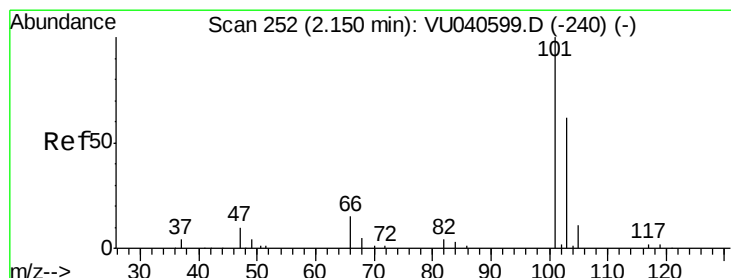
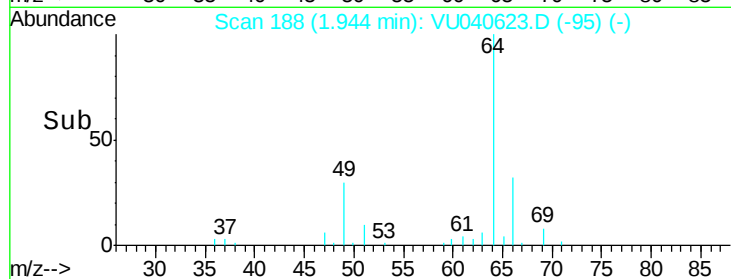
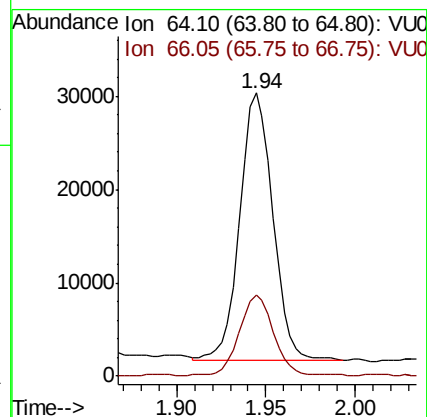
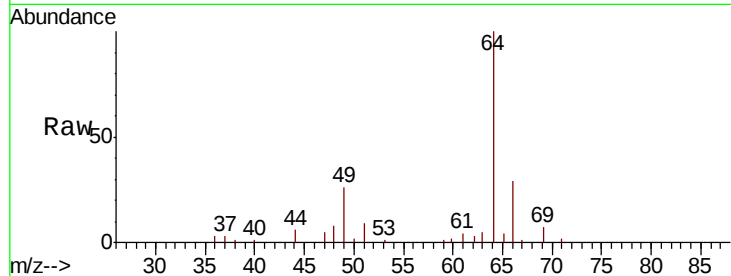




#8
Chloroethane
Concen: 5.030 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU040623.D
Acq: 10 Oct 2020 07:06

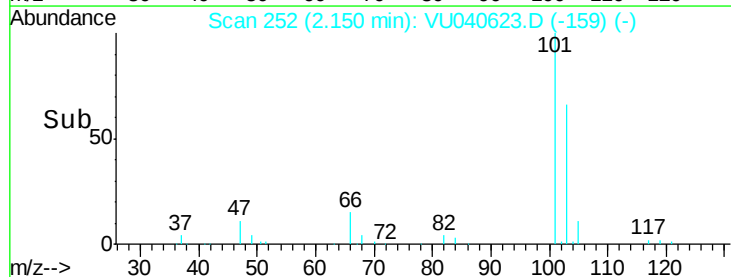
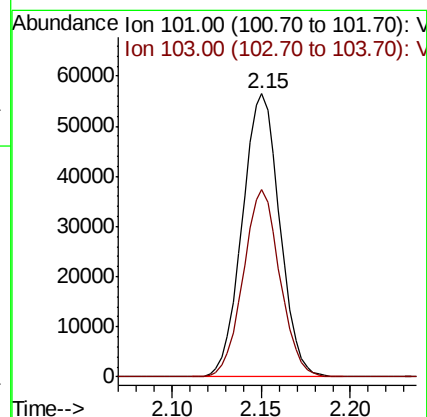
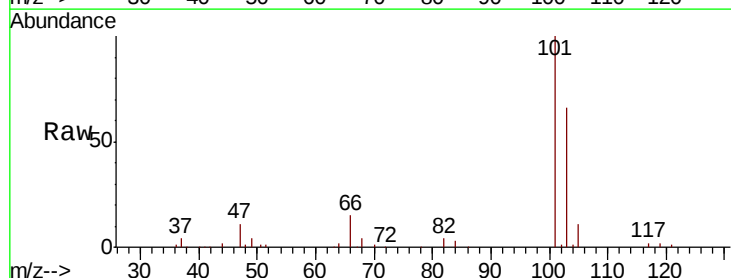
Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

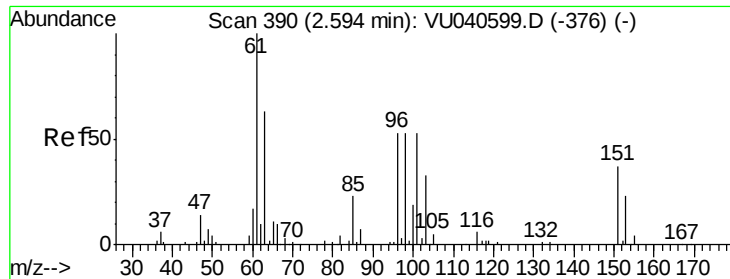
Tot Ion: 64 Resp: 36815
Ion Ratio Lower Upper
64 100
66 28.7 23.3 43.3



#9
Trichlorofluoromethane
Concen: 5.010 ug/L
RT: 2.15 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU040623.D
Acq: 10 Oct 2020 07:06

Tgt Ion:101 Resp: 82694
Ion Ratio Lower Upper
101 100
103 64.8 52.2 78.4





#10

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

Concen: 4.941 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040623.D

Acq: 10 Oct 2020 07:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

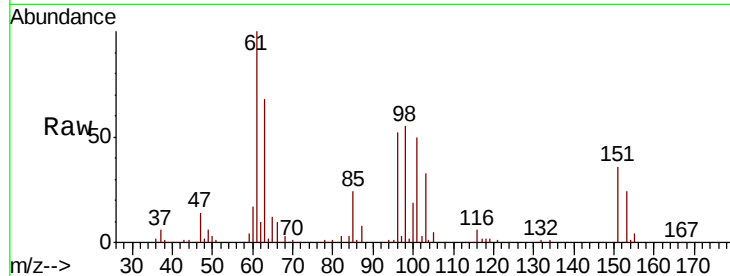
Tot Ion:101 Resp: 52945

Ion Ratio Lower Upper

101 100

85 44.7 36.7 55.1

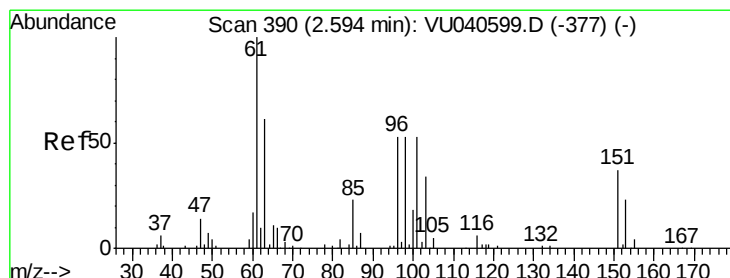
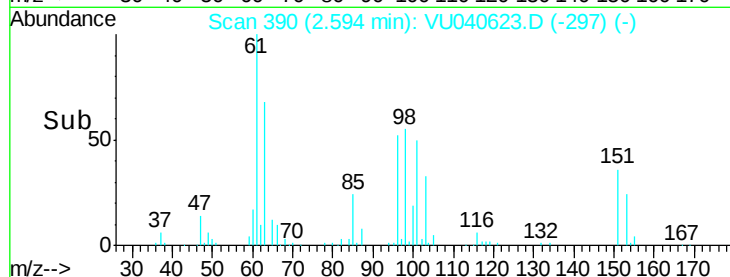
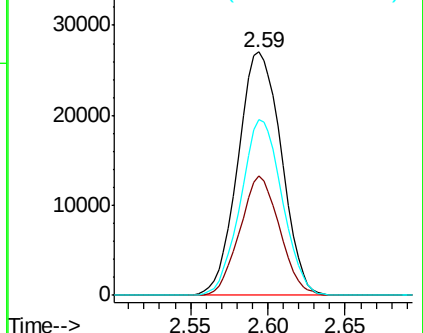
151 68.8 58.0 87.0



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: 5.132 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040623.D

Acq: 10 Oct 2020 07:06

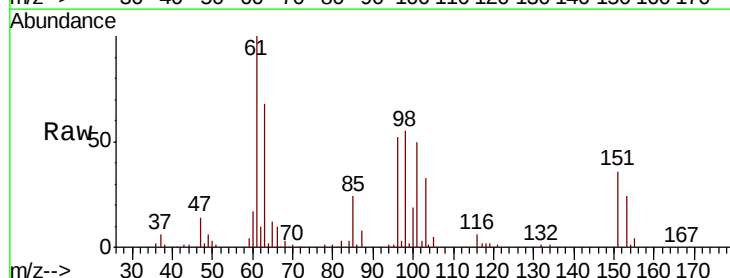
Tgt Ion: 96 Resp: 47170

Ion Ratio Lower Upper

96 100

61 194.1 128.8 239.2

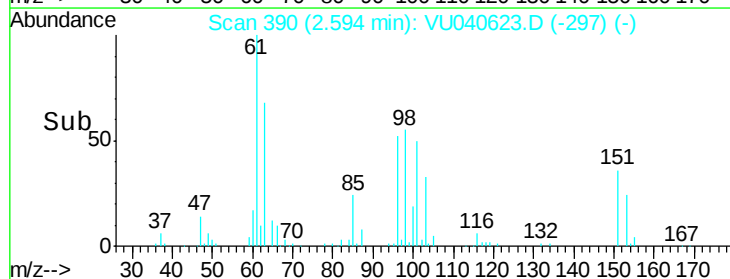
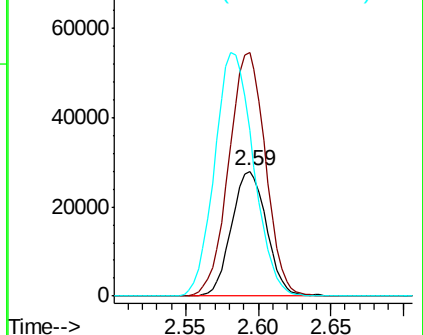
63 131.9 84.6 157.2

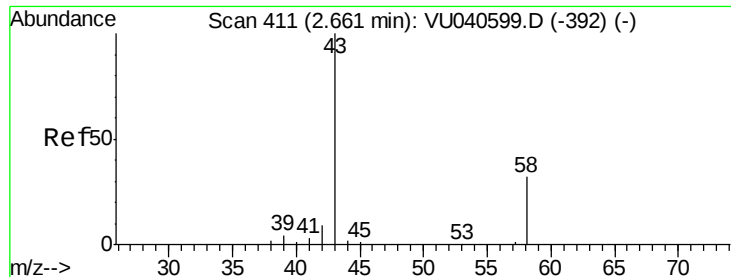


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 45.992 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.02 min

Lab File: VU040623.D

Acq: 10 Oct 2020 07:06

Instrument :

MSVOA_U

ClientSampleId :

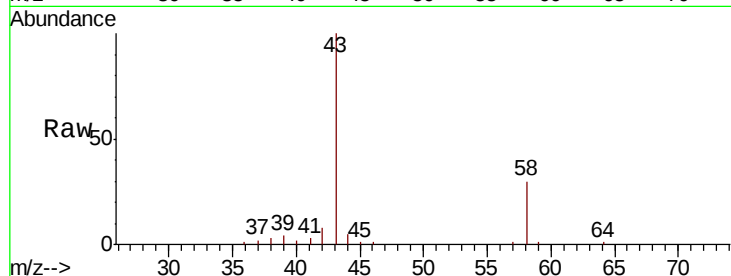
VSTD00525

Tot Ion: 43 Resp: 121767

Ion Ratio Lower Upper

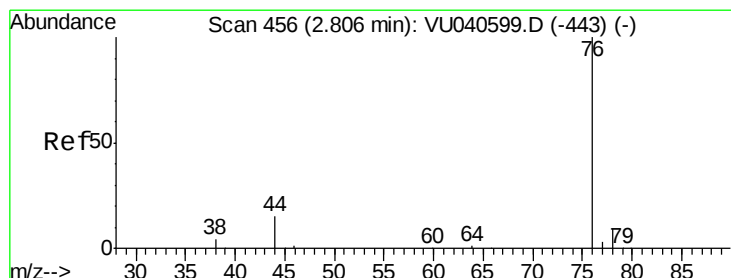
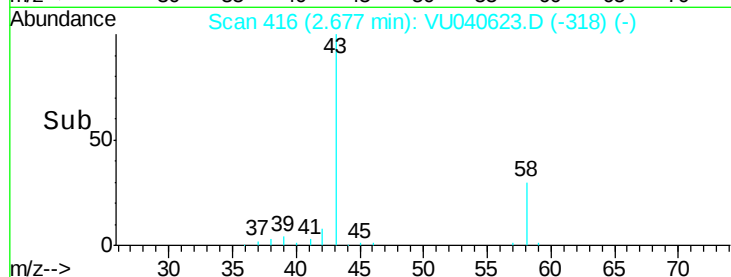
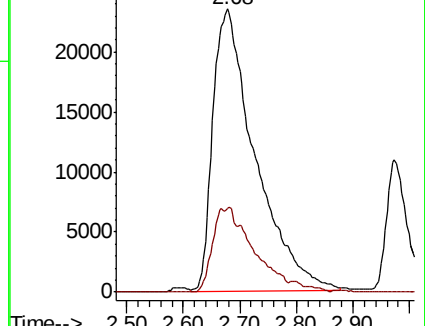
43 100

58 8.3 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU040623.D (-318) (-)

Ion 58.05 (57.75 to 58.75): VU040623.D (-318) (-)



#14

Carbon disulfide

Concen: 4.815 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040623.D

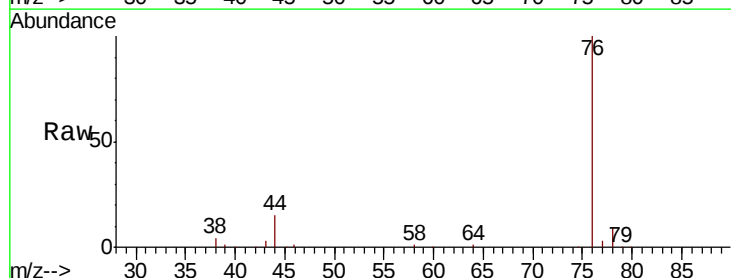
Acq: 10 Oct 2020 07:06

Tgt Ion: 76 Resp: 123873

Ion Ratio Lower Upper

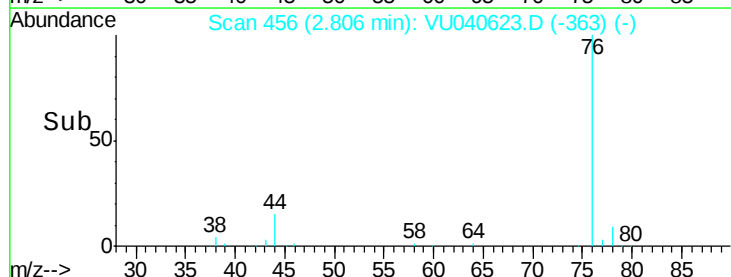
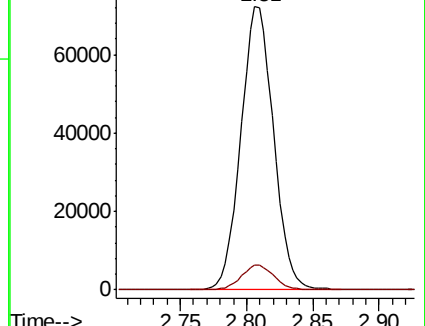
76 100

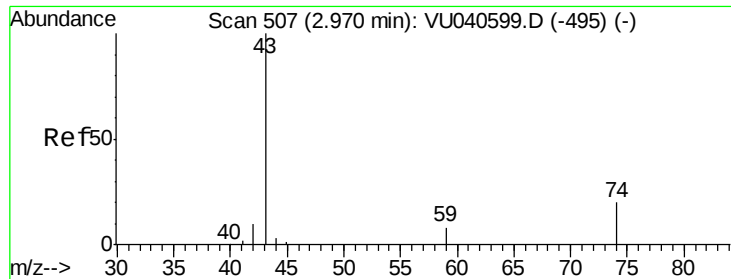
78 8.8 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU040623.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU040623.D (-363) (-)

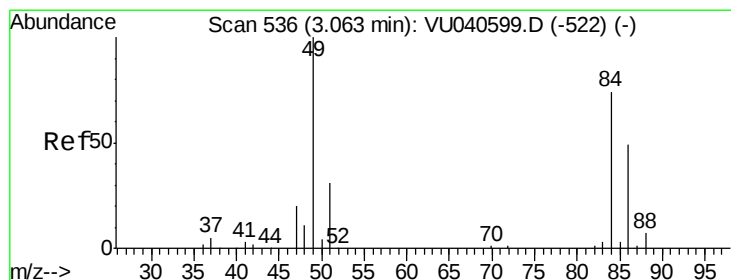
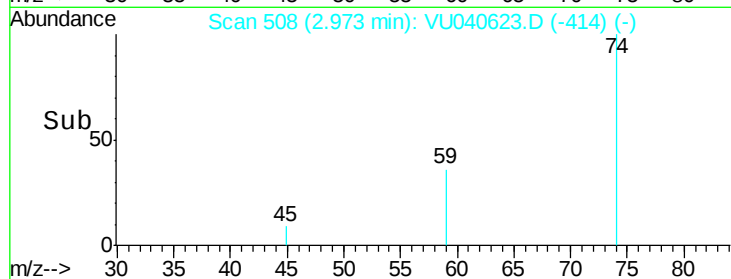
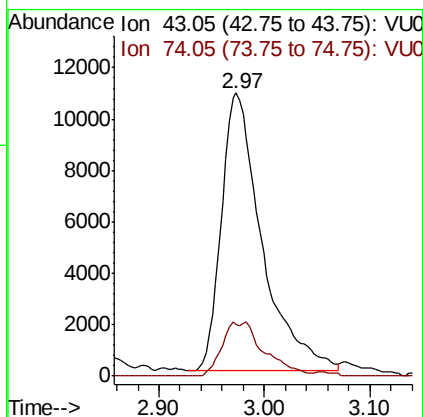
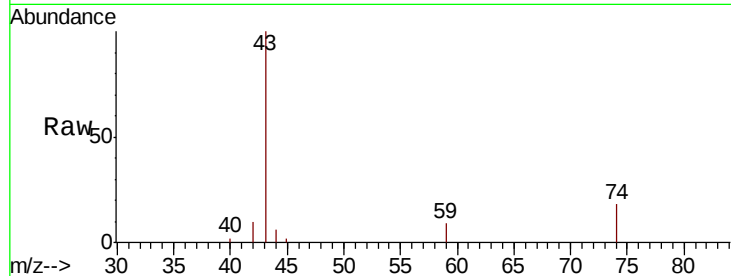




#15
Methvl Acetate
Concen: 4.769 ug/L
RT: 2.97 min Scan# 508
Delta R.T. 0.00 min
Lab File: VU040623.D
Acq: 10 Oct 2020 07:06

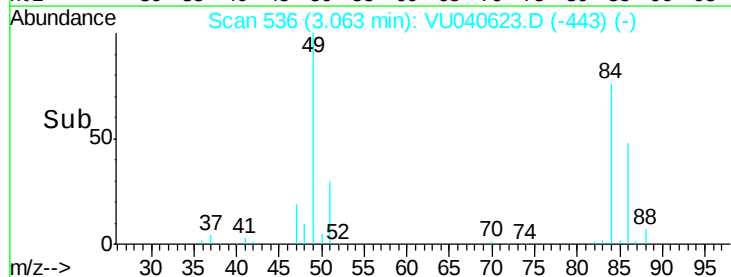
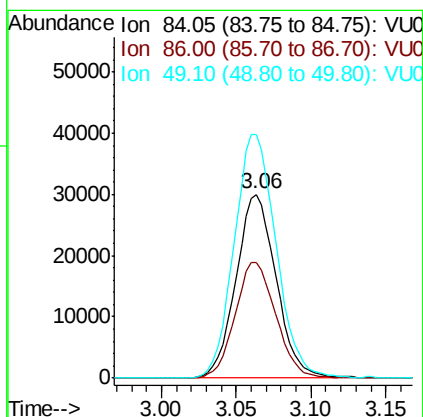
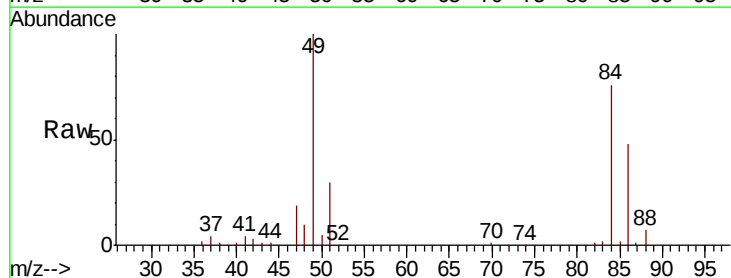
Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

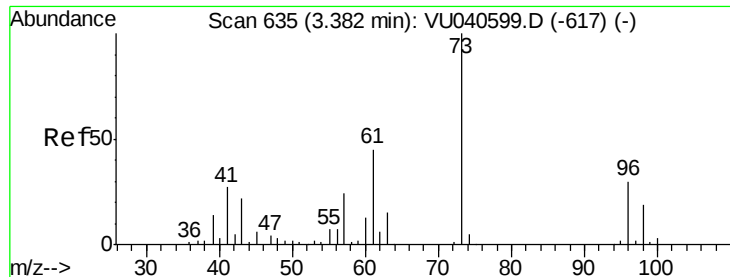
Tot Ion: 43 Resp: 28829
Ion Ratio Lower Upper
43 100
74 8.9 16.5 24.7#



#16
Methylene chloride
Concen: 4.742 ug/L
RT: 3.06 min Scan# 536
Delta R.T. -0.00 min
Lab File: VU040623.D
Acq: 10 Oct 2020 07:06

Tgt Ion: 84 Resp: 55961
Ion Ratio Lower Upper
84 100
86 63.0 45.4 84.4
49 132.4 99.8 185.3

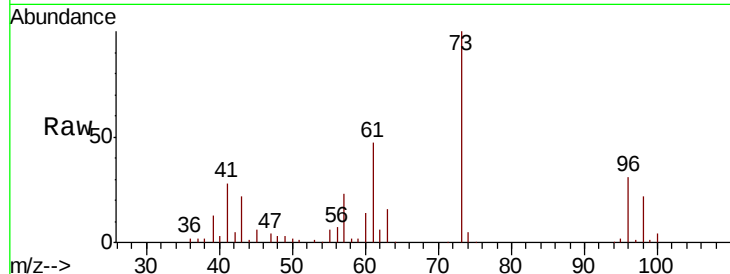




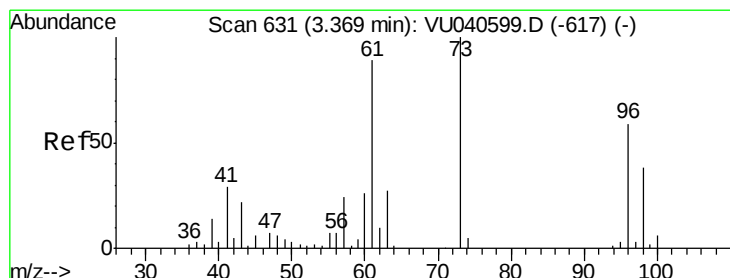
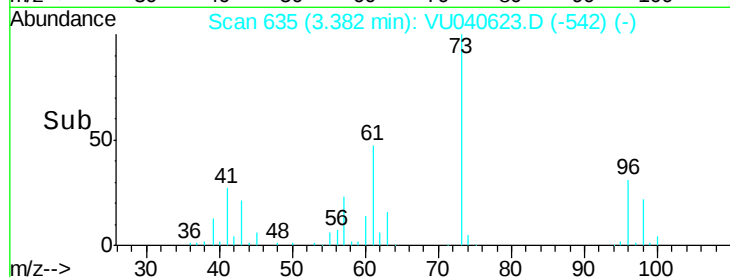
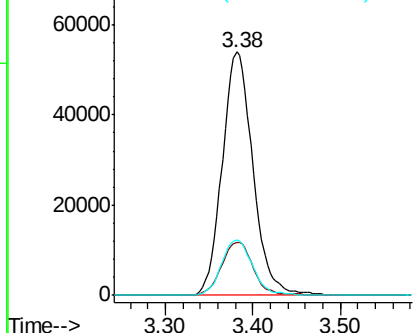
#17
Methvl tert-butvl Ether
Concen: 5.052 ug/L
RT: 3.38 min Scan# 635
Delta R.T. -0.00 min
Lab File: VU040623.D
Acq: 10 Oct 2020 07:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

Tot Ion: 73 Resp: 131303
Ion Ratio Lower Upper
73 100
43 22.2 18.2 27.4
57 23.0 18.6 28.0

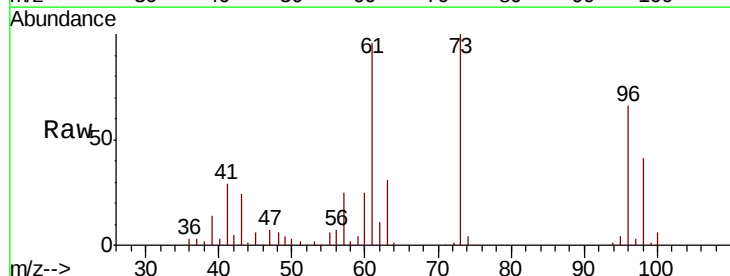


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

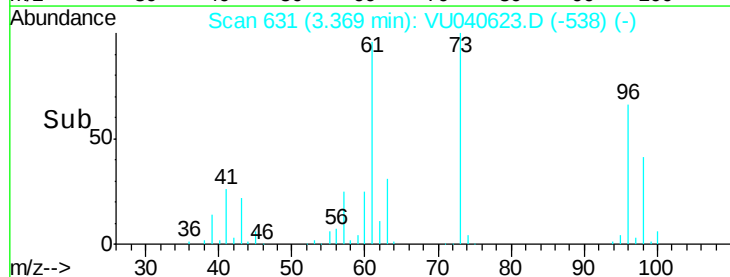
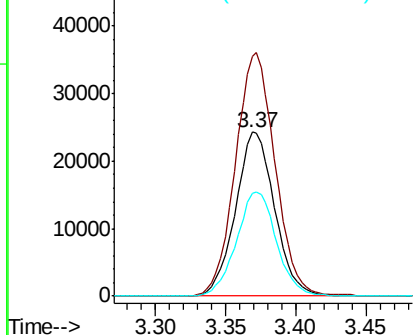


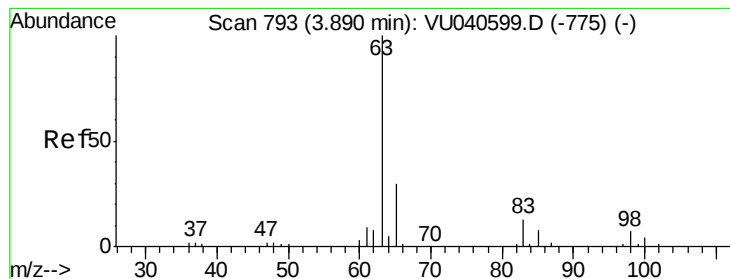
#18
trans-1,2-Dichloroethene
Concen: 4.916 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU040623.D
Acq: 10 Oct 2020 07:06

Tgt Ion: 96 Resp: 47294
Ion Ratio Lower Upper
96 100
61 146.6 105.9 196.7
98 62.9 43.8 81.3



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: 5.156 ug/L

RT: 3.89 min Scan# 793

Delta R.T. -0.00 min

Lab File: VU040623.D

Acq: 10 Oct 2020 07:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

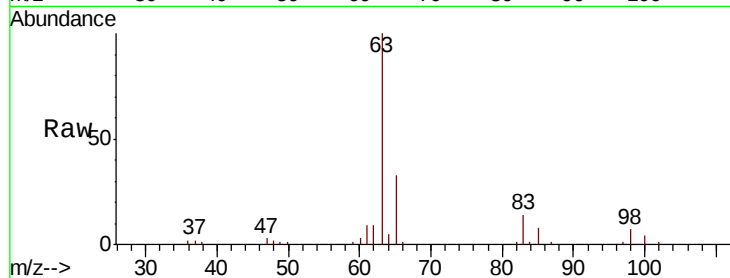
Tot Ion: 63 Resp: 102591

Ion Ratio Lower Upper

63 100

65 32.8 21.9 40.7

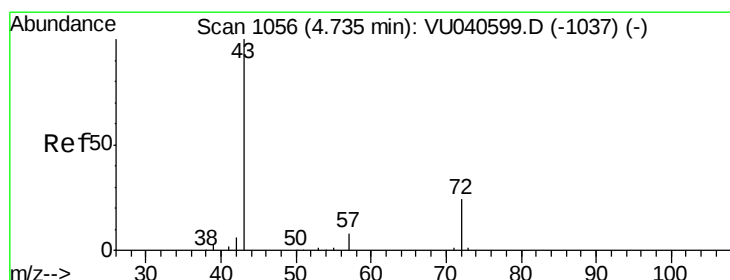
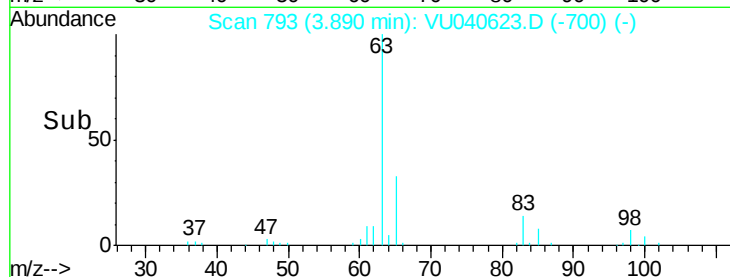
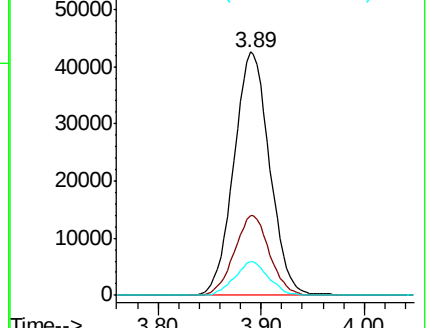
83 14.1 9.6 17.8



Abundance Ion 63.10 (62.80 to 63.80): VU040623.D (-700) (-)

Ion 65.10 (64.80 to 65.80): VU040623.D (-700) (-)

Ion 83.05 (82.75 to 83.75): VU040623.D (-700) (-)



#21

2-Butanone

Concen: 48.911 ug/L

RT: 4.74 min Scan# 1058

Delta R.T. 0.01 min

Lab File: VU040623.D

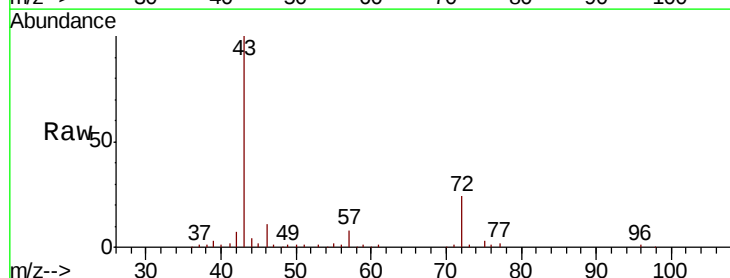
Acq: 10 Oct 2020 07:06

Tgt Ion: 43 Resp: 201889

Ion Ratio Lower Upper

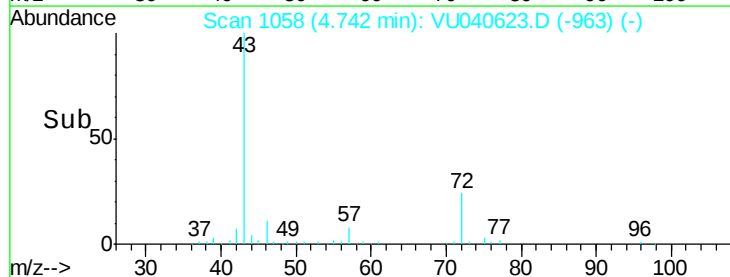
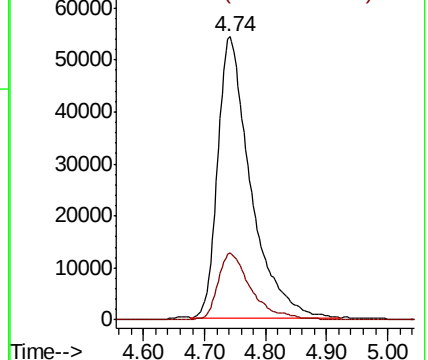
43 100

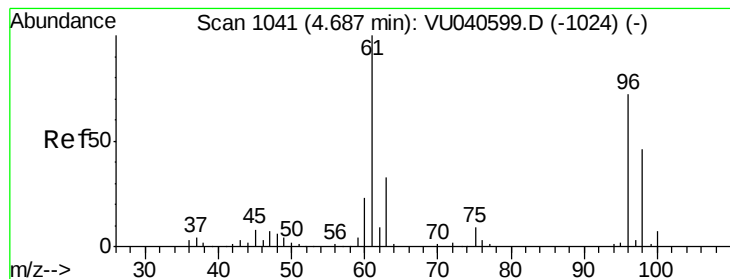
72 23.9 11.4 34.2



Abundance Ion 43.05 (42.75 to 43.75): VU040623.D (-963) (-)

Ion 72.10 (71.80 to 72.80): VU040623.D (-963) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.247 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU040623.D

Acq: 10 Oct 2020 07:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

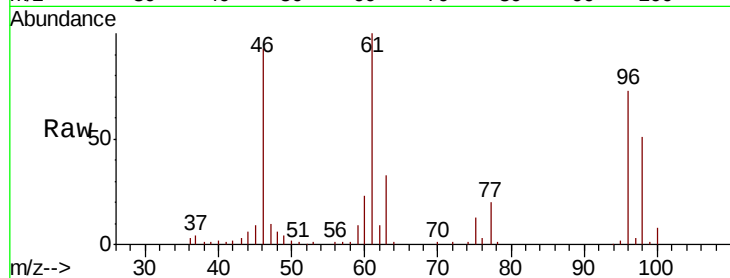
Tot Ion: 96 Resp: 54442

Ion Ratio Lower Upper

96 100

61 137.2 99.8 185.4

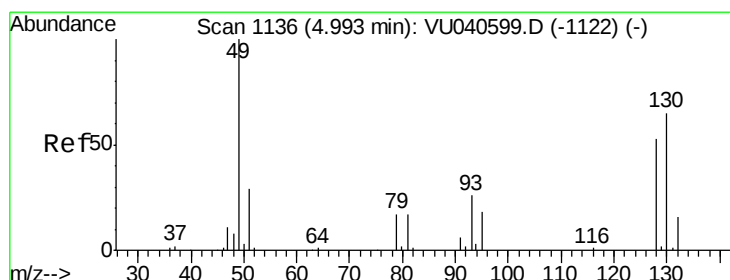
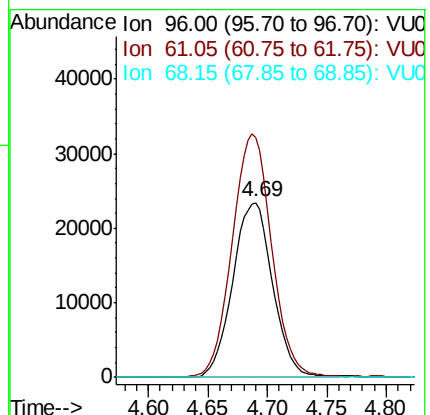
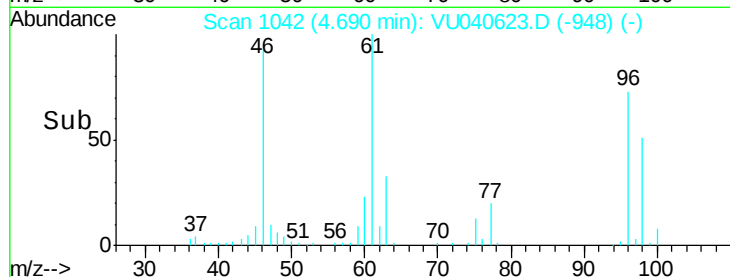
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040623.D (-1043) (-)

Ion 61.05 (60.75 to 61.75): VU040623.D (-1043) (-)

Ion 68.15 (67.85 to 68.85): VU040623.D (-1043) (-)



#23

Bromochloromethane

Concen: 5.150 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VU040623.D

Acq: 10 Oct 2020 07:06

Tgt Ion: 128 Resp: 26546

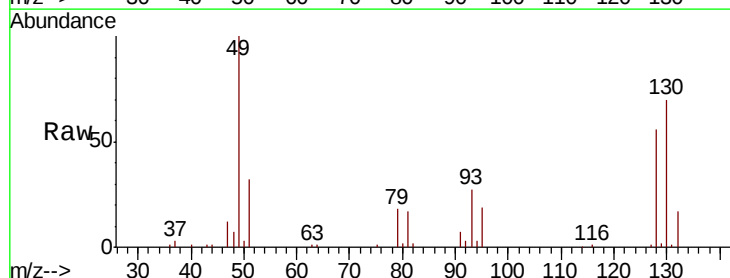
Ion Ratio Lower Upper

128 100

49 179.6 132.2 245.4

130 125.2 89.2 165.8

51 57.0 45.3 67.9

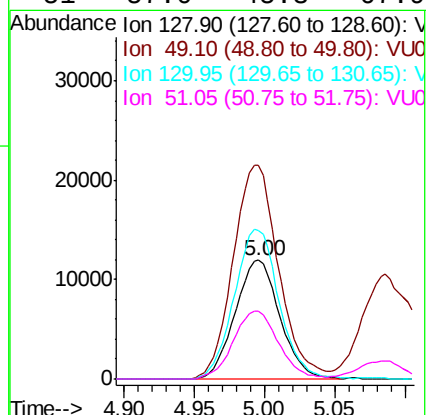
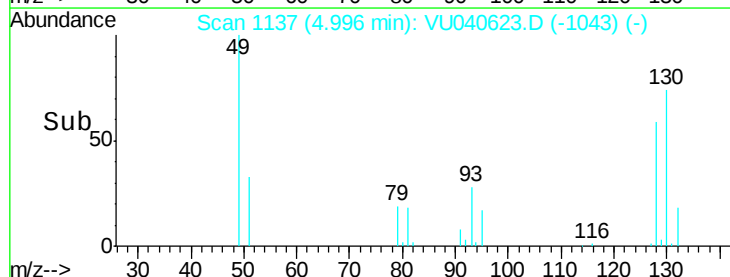


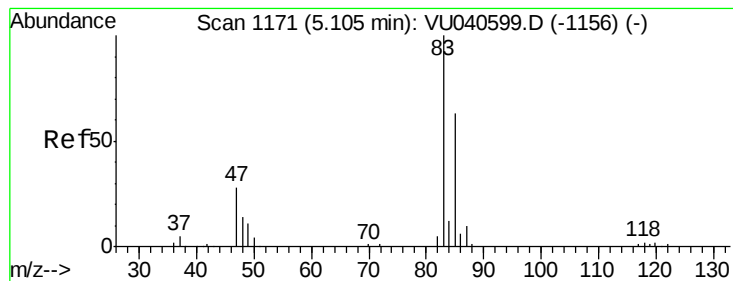
Abundance Ion 127.90 (127.60 to 128.60): VU040623.D (-1043) (-)

Ion 49.10 (48.80 to 49.80): VU040623.D (-1043) (-)

Ion 129.95 (129.65 to 130.65): VU040623.D (-1043) (-)

Ion 51.05 (50.75 to 51.75): VU040623.D (-1043) (-)





#25

Chloroform

Concen: 5.192 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU040623.D

Acq: 10 Oct 2020 07:06

Instrument :

MSVOA_U

ClientSampleId :

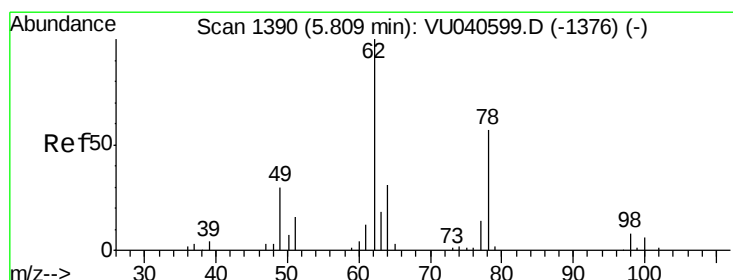
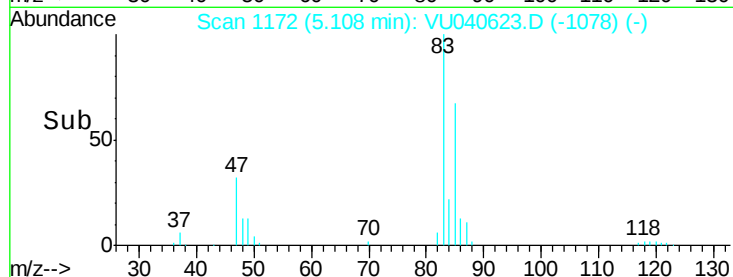
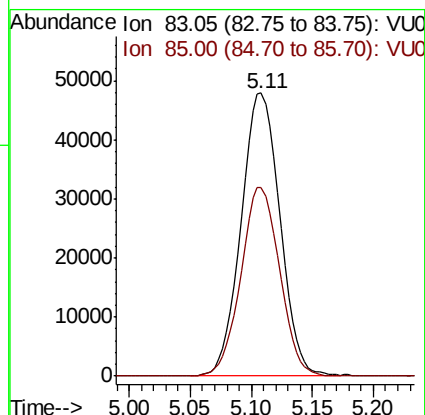
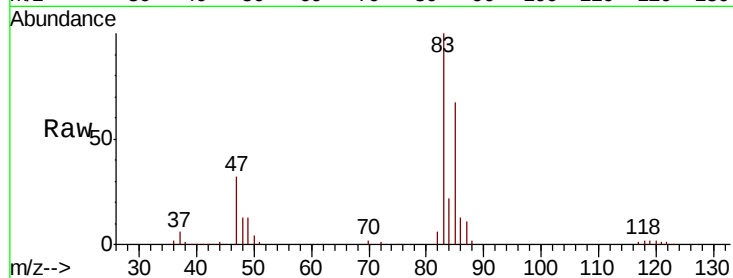
VSTD00525

Tot Ion: 83 Resp: 105483

Ion Ratio Lower Upper

83 100

85 66.8 46.5 86.5



#27

1,2-Dichloroethane

Concen: 5.160 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU040623.D

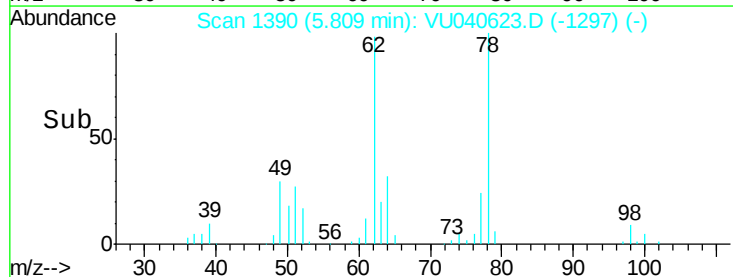
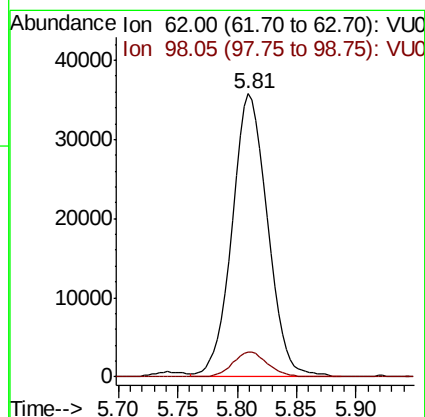
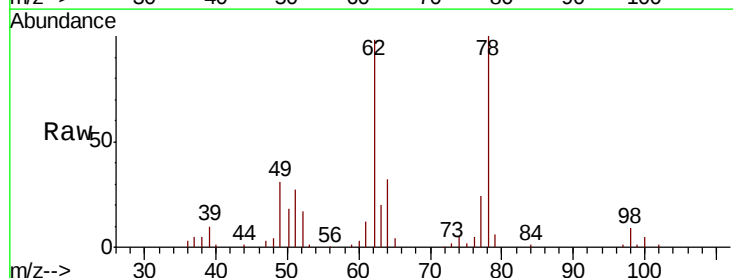
Acq: 10 Oct 2020 07:06

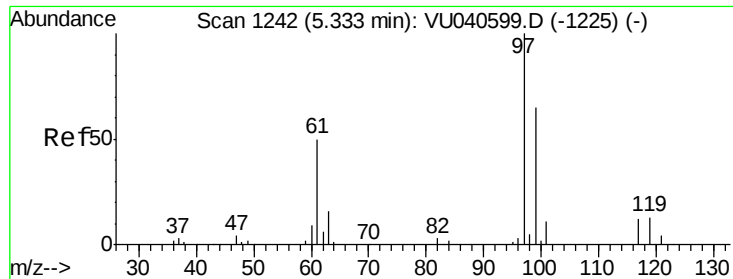
Tgt Ion: 62 Resp: 74192

Ion Ratio Lower Upper

62 100

98 8.8 6.6 10.0

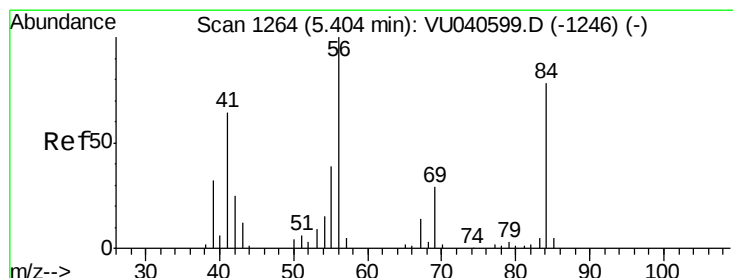
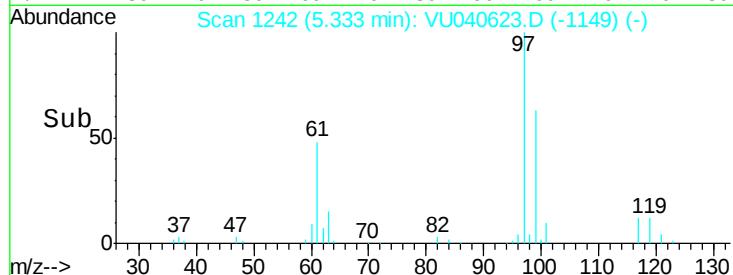
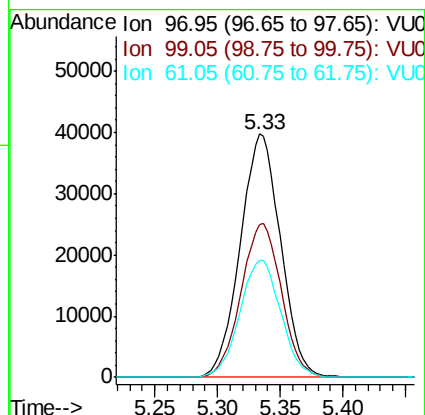
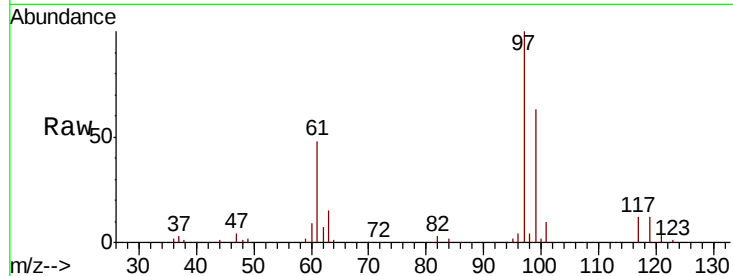




#29
 1,1,1-Trichloroethane
 Concen: 5.020 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VU040623.D
 Acq: 10 Oct 2020 07:06

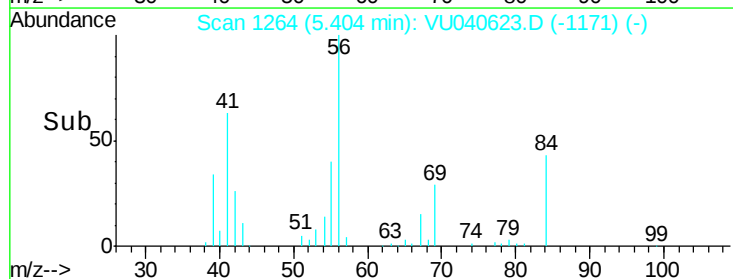
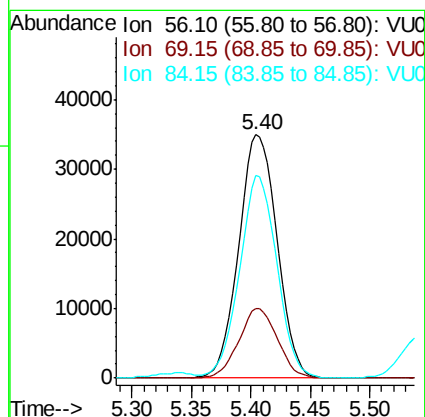
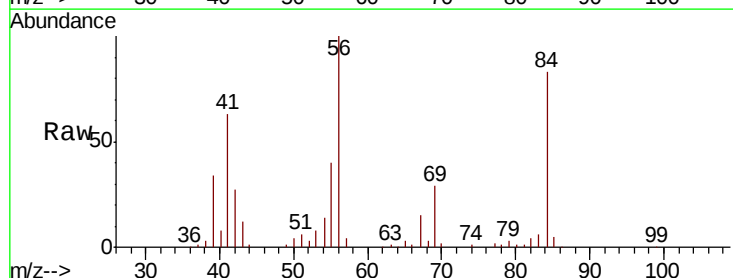
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

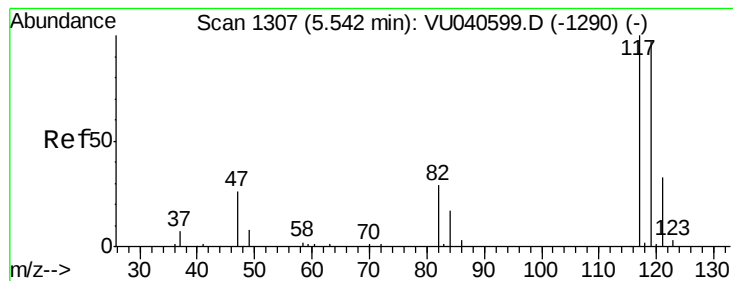
Tot Ion: 97 Resp: 88737
 Ion Ratio Lower Upper
 97 100
 99 63.2 51.3 76.9
 61 49.0 39.4 59.2



#30
 Cyclohexane
 Concen: 4.791 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU040623.D
 Acq: 10 Oct 2020 07:06

Tgt Ion: 56 Resp: 78049
 Ion Ratio Lower Upper
 56 100
 69 28.8 23.8 35.8
 84 81.2 64.0 96.0





#31

Carbon tetrachloride

Concen: 4.940 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VU040623.D

Acq: 10 Oct 2020 07:06

Instrument :

MSVOA_U

ClientSampleId :

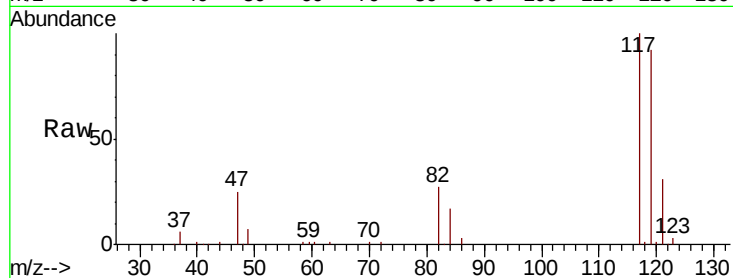
VSTD00525

Tot Ion:117 Resp: 74736

Ion Ratio Lower Upper

117 100

119 96.5 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.54

40000

30000

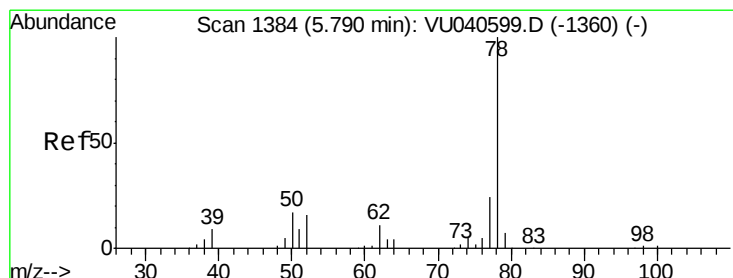
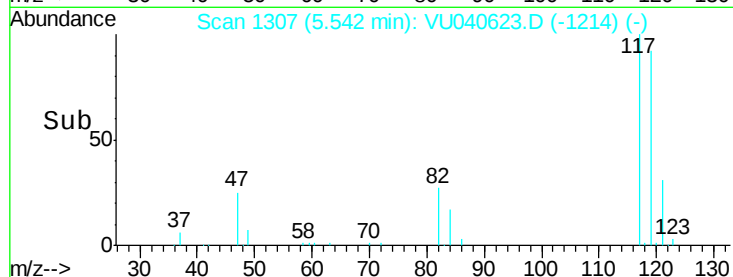
20000

10000

0

Time-->

5.45 5.50 5.55 5.60



#33

Benzene

Concen: 5.032 ug/L

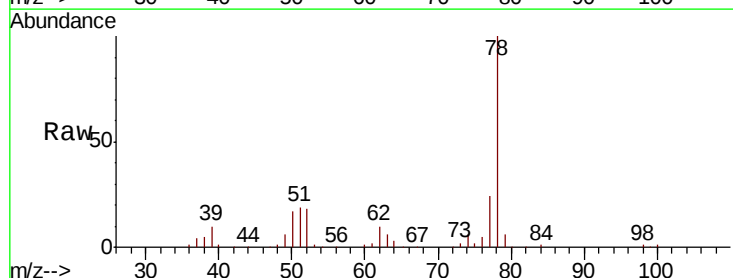
RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

Lab File: VU040623.D

Acq: 10 Oct 2020 07:06

Tgt Ion: 78 Resp: 212679



Abundance Ion 78.10 (77.80 to 78.80): VU0

120000

100000

80000

60000

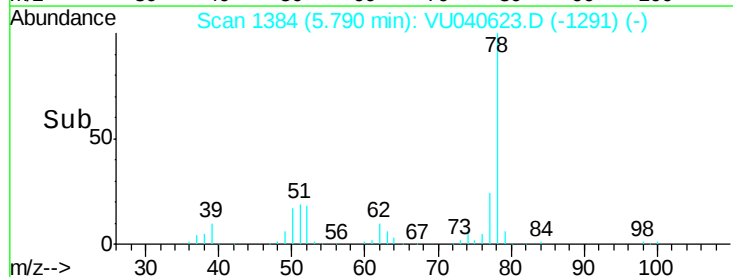
40000

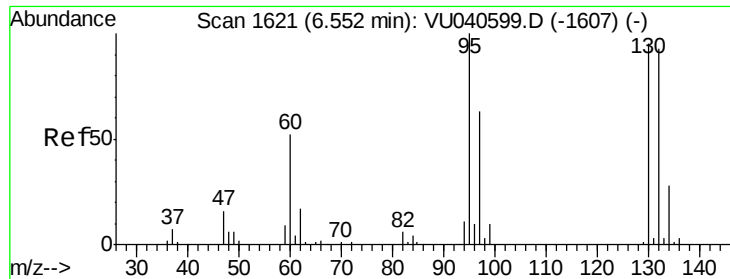
20000

0

Time-->

5.70 5.80 5.90

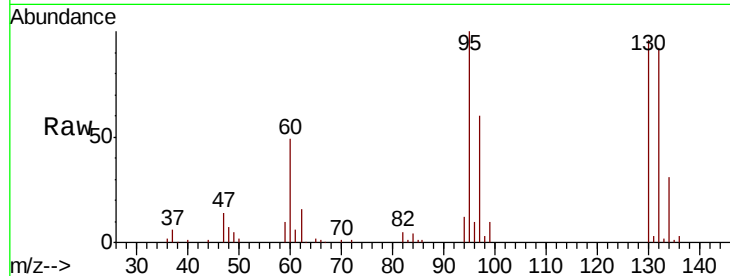




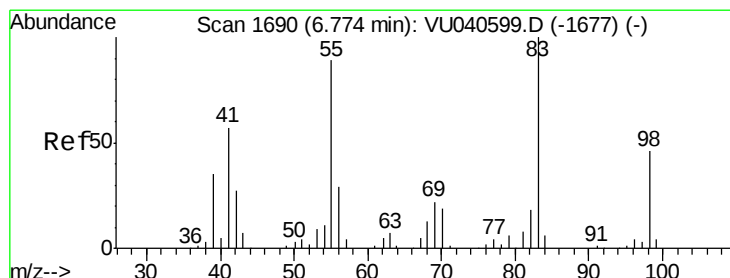
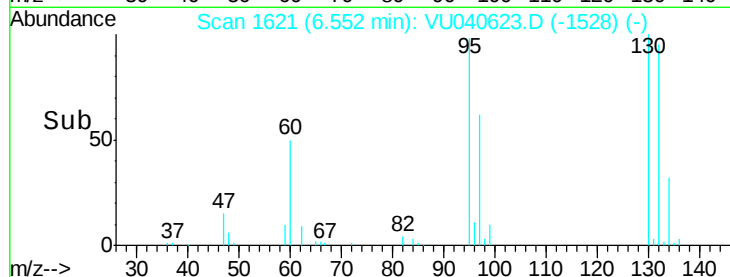
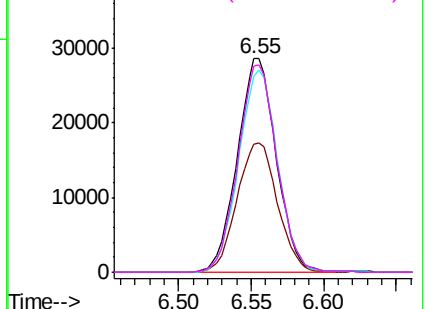
#34
 Trichloroethene
 Concen: 4.875 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040623.D
 Acq: 10 Oct 2020 07:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Tot Ion: 95 Resp: 53406
 Ion Ratio Lower Upper
 95 100
 97 59.8 45.5 84.5
 132 91.5 67.5 125.4
 130 96.5 69.9 129.9

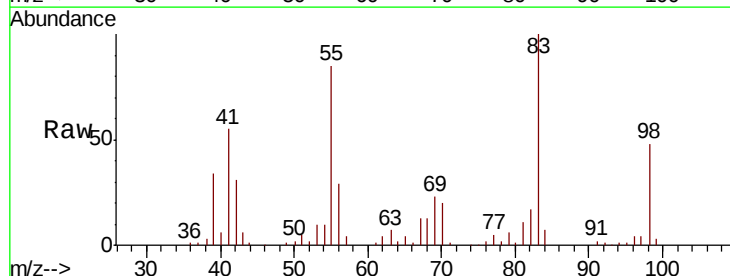


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

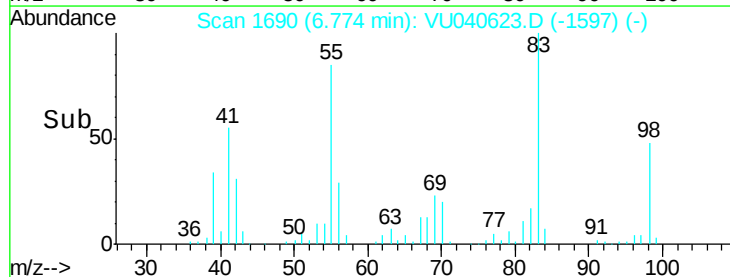
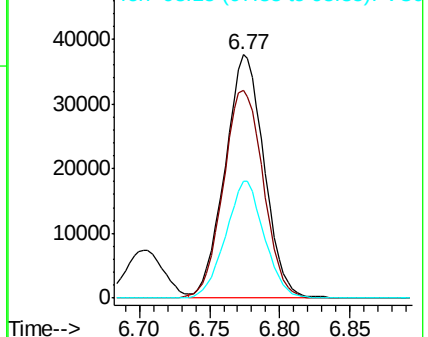


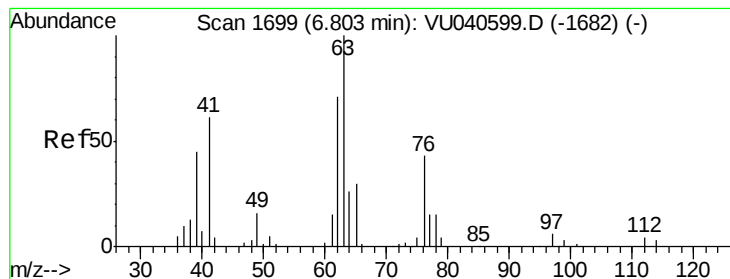
#35
 Methylcyclohexane
 Concen: 4.682 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU040623.D
 Acq: 10 Oct 2020 07:06

Tgt Ion: 83 Resp: 72743
 Ion Ratio Lower Upper
 83 100
 55 87.3 70.7 106.1
 98 47.3 38.4 57.6



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: 5.005 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VU040623.D

Acq: 10 Oct 2020 07:06

Instrument :

MSVOA_U

ClientSampleId :

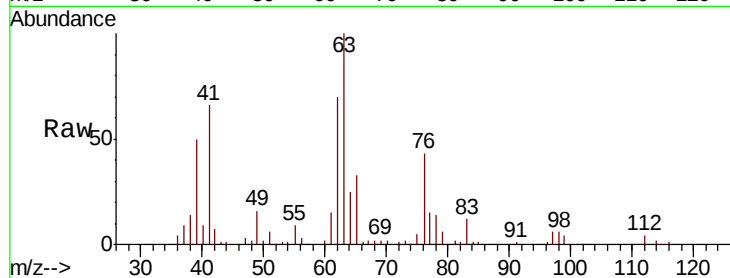
VSTD00525

Tot Ion: 63 Resp: 58935

Ion Ratio Lower Upper

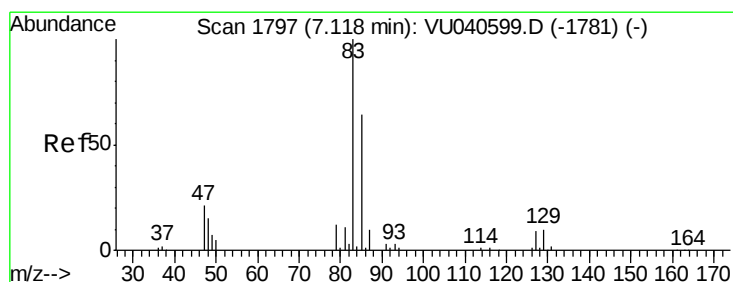
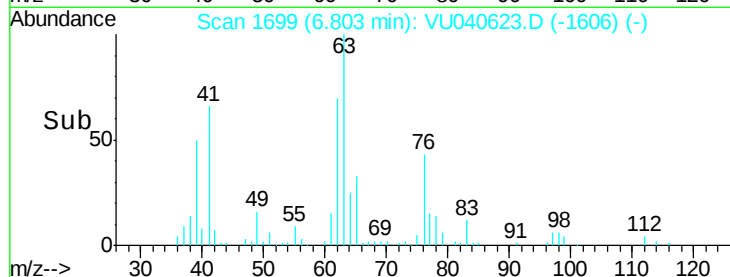
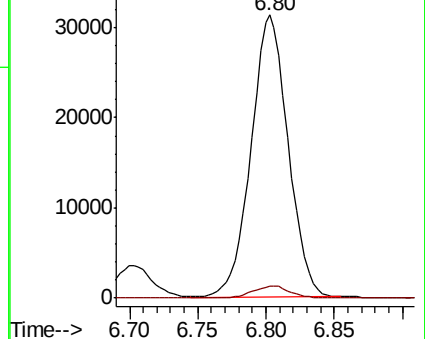
63 100

112 4.3 3.5 5.3



Abundance Ion 63.10 (62.80 to 63.80): VU040599.D (-1682) (-)

Ion 112.10 (111.80 to 112.80): VU040599.D (-1682) (-)



#38

Bromodichloromethane

Concen: 5.047 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VU040623.D

Acq: 10 Oct 2020 07:06

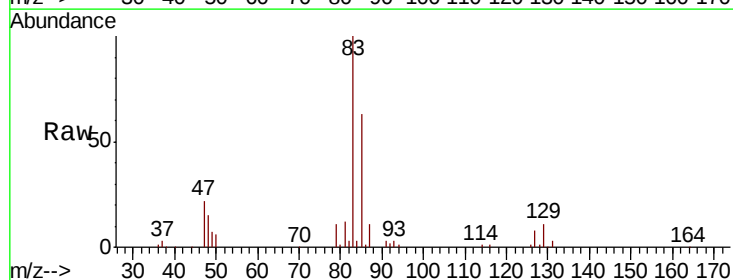
Tgt Ion: 83 Resp: 75980

Ion Ratio Lower Upper

83 100

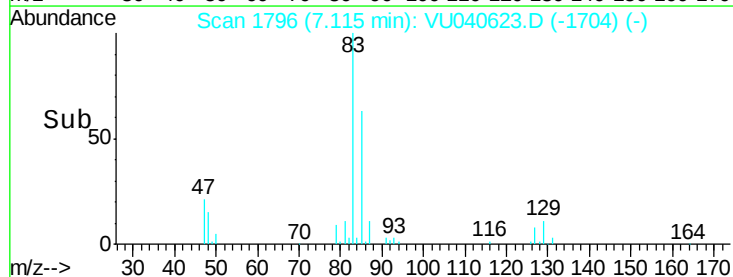
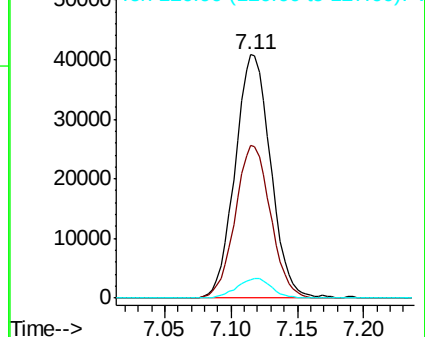
85 62.6 46.0 85.4

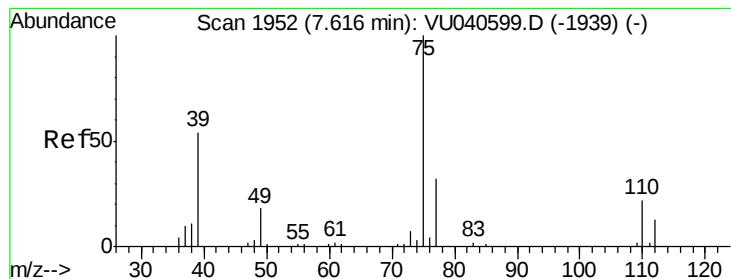
127 7.7 6.7 10.1



Abundance Ion 82.95 (82.65 to 83.65): VU040599.D (-1781) (-)

Ion 85.00 (84.70 to 85.70): VU040599.D (-1781) (-)



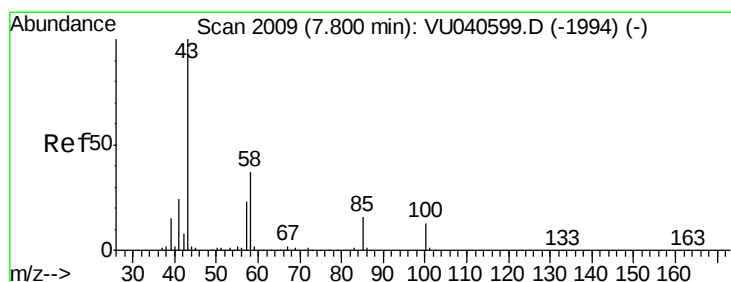
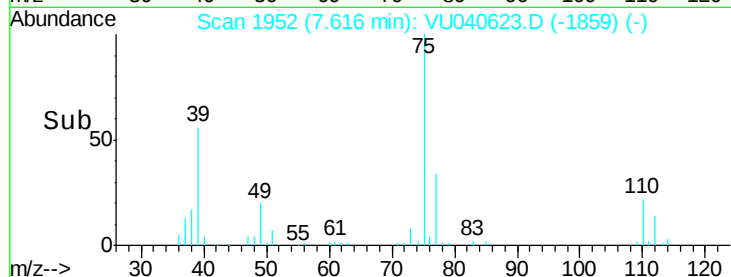
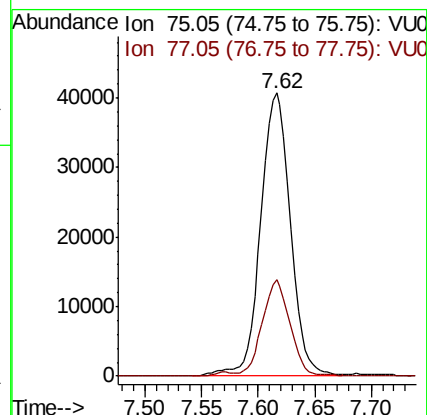
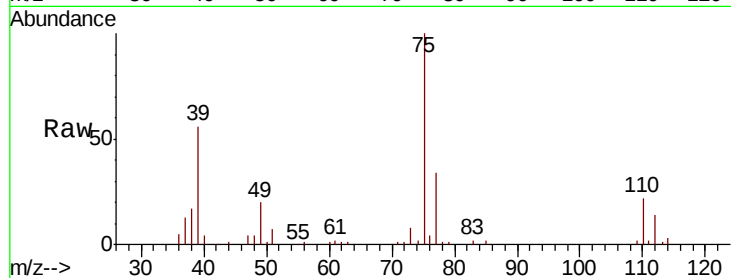


#39

cis-1,3-Dichloropropene
Concen: 4.644 ug/L
RT: 7.62 min Scan# 1952
Delta R.T. -0.00 min
Lab File: VU040623.D
Acq: 10 Oct 2020 07:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

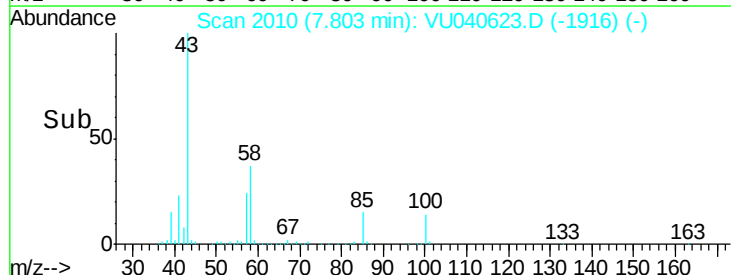
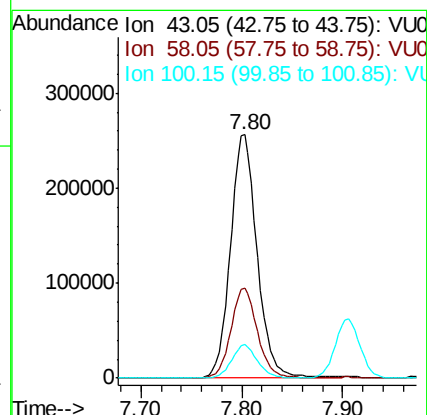
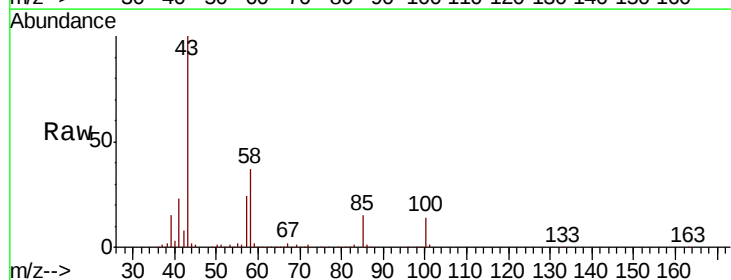
Tot Ion: 75 Resp: 74714
Ion Ratio Lower Upper
75 100
77 34.0 20.5 38.1

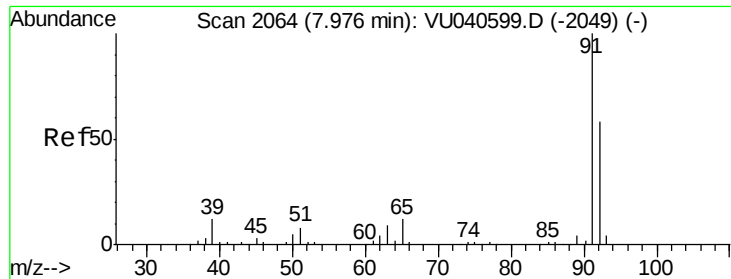


#40

4-Methyl-2-pentanone
Concen: 50.423 ug/L
RT: 7.80 min Scan# 2010
Delta R.T. 0.00 min
Lab File: VU040623.D
Acq: 10 Oct 2020 07:06

Tgt Ion: 43 Resp: 473389
Ion Ratio Lower Upper
43 100
58 36.6 29.7 44.5
100 13.2 10.7 16.1





#42

Toluene

Concen: 5.154 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU040623.D

Acq: 10 Oct 2020 07:06

Instrument :

MSVOA_U

ClientSampleId :

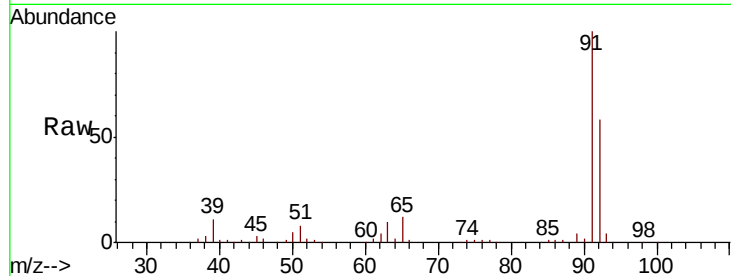
VSTD00525

Tot Ion: 91 Resp: 221953

Ion Ratio Lower Upper

91 100

92 58.2 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU040599.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU040599.D (-2049) (-)

7.98

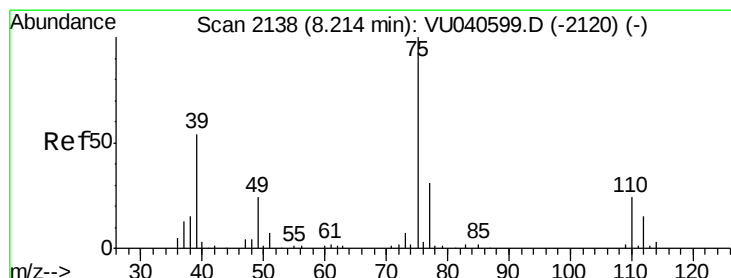
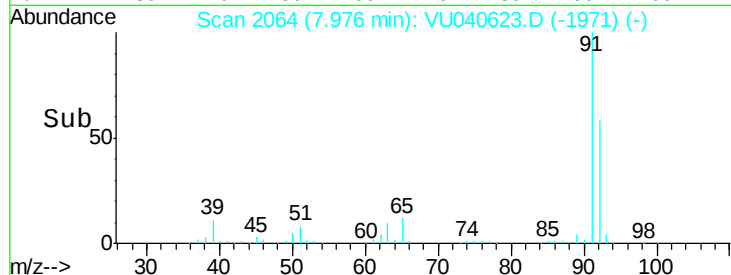
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.810 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040623.D

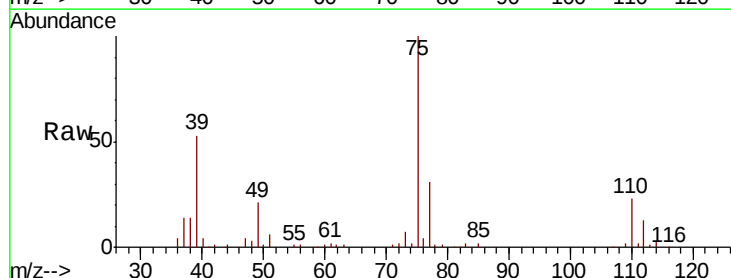
Acq: 10 Oct 2020 07:06

Tgt Ion: 75 Resp: 71246

Ion Ratio Lower Upper

75 100

77 30.8 20.4 38.0



Abundance Ion 75.05 (74.75 to 75.75): VU040599.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU040599.D (-2120) (-)

8.22

40000

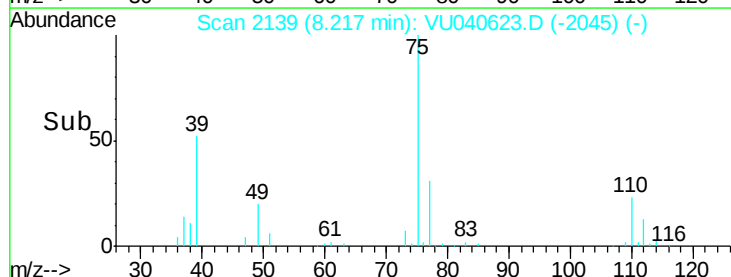
30000

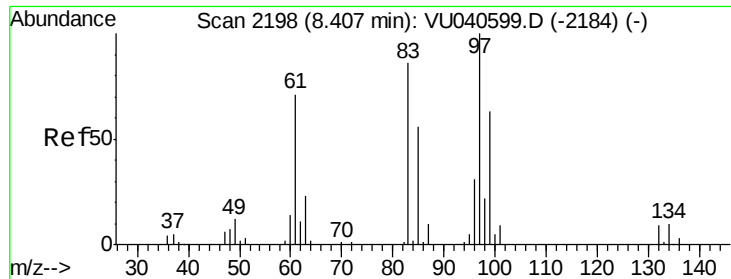
20000

10000

0

Time-->

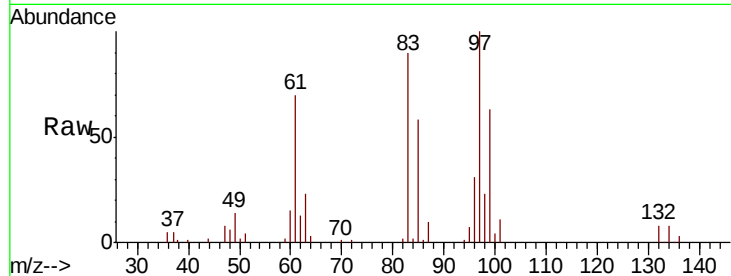




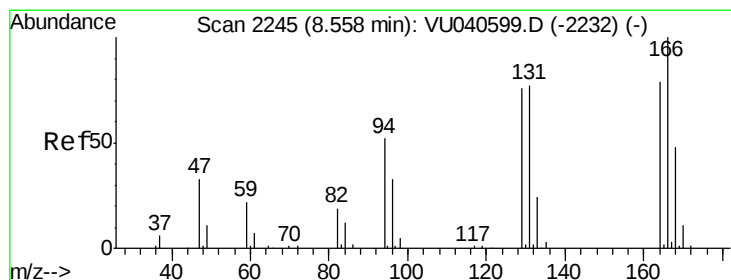
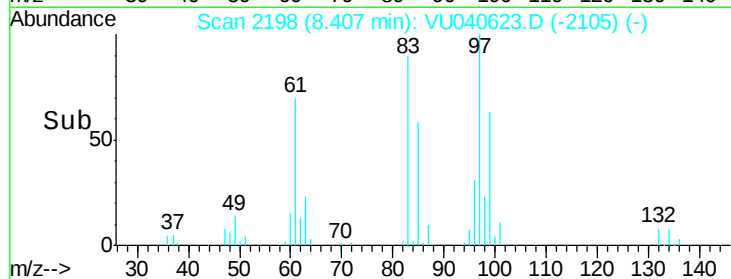
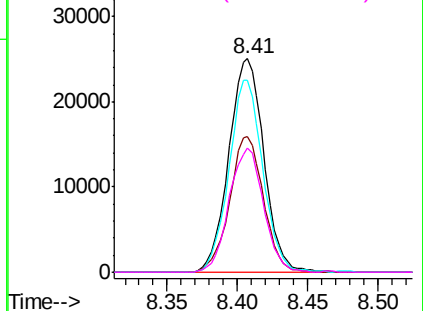
#45
 1,1,2-Trichloroethane
 Concen: 4.939 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU040623.D
 Acq: 10 Oct 2020 07:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Tot Ion:	97	Resp:	43557
Ion	Ratio	Lower	Upper
97	100		
99	63.4	44.0	81.6
83	89.8	62.9	116.9
85	58.1	40.3	74.8

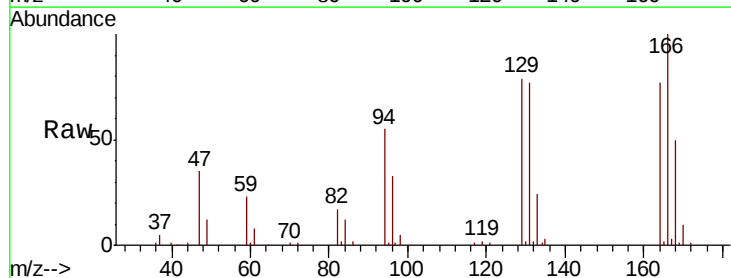


Abundance Ion 96.95 (96.65 to 97.65): VU040623.D (-2105) (-)
 Ion 99.05 (98.75 to 99.75): VU040623.D (-2105) (-)
 Ion 82.95 (82.65 to 83.65): VU040623.D (-2105) (-)
 Ion 85.00 (84.70 to 85.70): VU040623.D (-2105) (-)

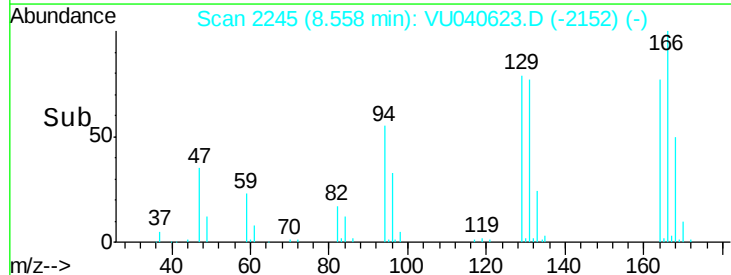
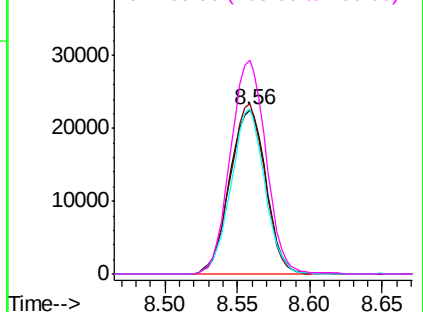


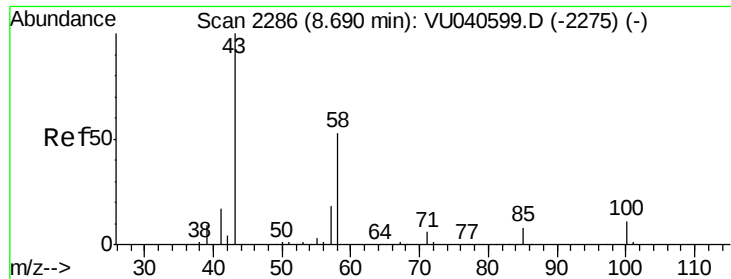
#47
 Tetrachloroethene
 Concen: 5.056 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU040623.D
 Acq: 10 Oct 2020 07:06

Tgt Ion:	164	Resp:	39520
Ion	Ratio	Lower	Upper
164	100		
129	103.3	68.8	127.8
131	100.4	66.7	123.9
166	130.0	83.9	155.7



Abundance Ion 163.90 (163.60 to 164.60): VU040623.D (-2152) (-)
 Ion 128.95 (128.65 to 129.65): VU040623.D (-2152) (-)
 Ion 130.95 (130.65 to 131.65): VU040623.D (-2152) (-)
 Ion 165.90 (165.60 to 166.60): VU040623.D (-2152) (-)

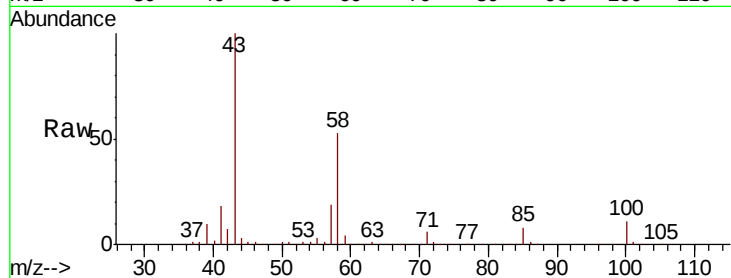




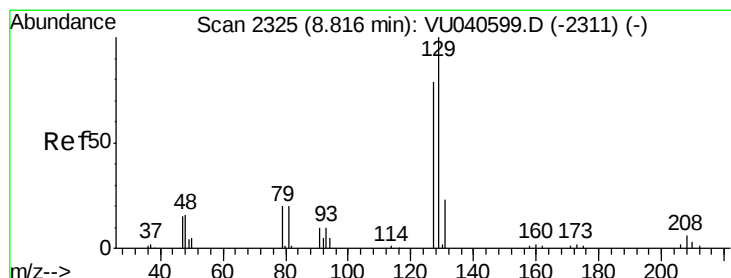
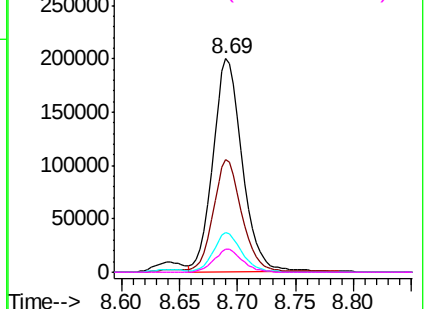
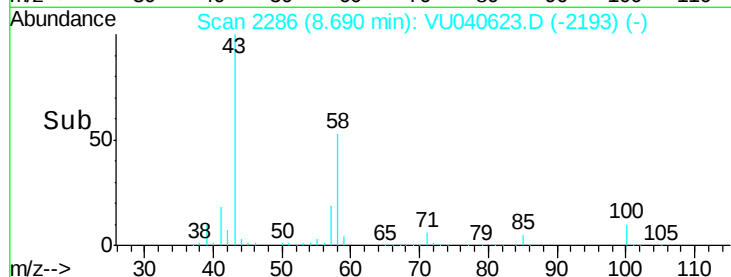
#48
2-Hexanone
Concen: 50.620 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU040623.D
Acq: 10 Oct 2020 07:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

Tot Ion:	43	Resp:	353826
Ion	Ratio	Lower	Upper
43	100		
58	51.1	41.0	61.6
57	17.9	14.4	21.6
100	10.5	8.6	13.0

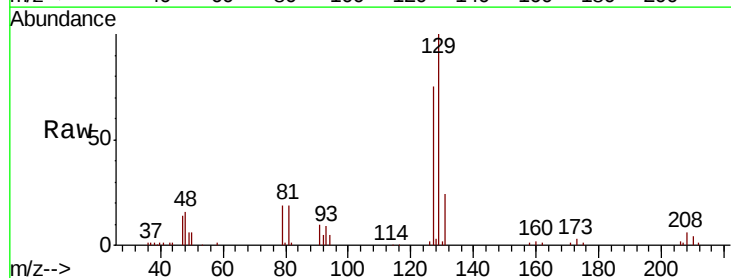


Abundance Ion 43.05 (42.75 to 43.75): VU040623.D (-2193) (-)

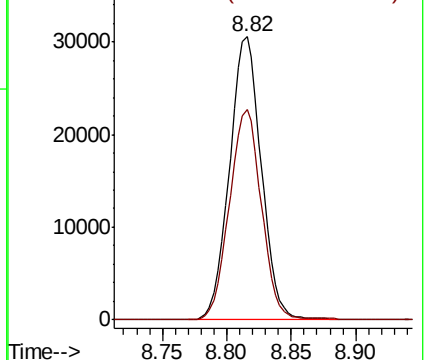
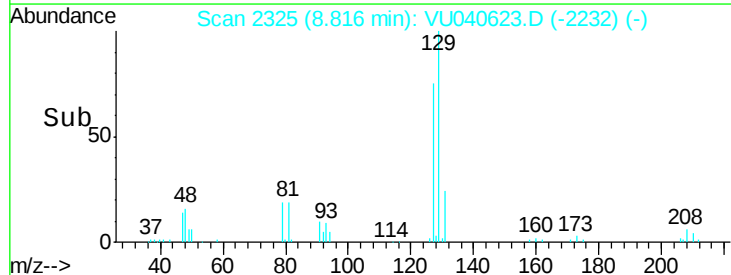


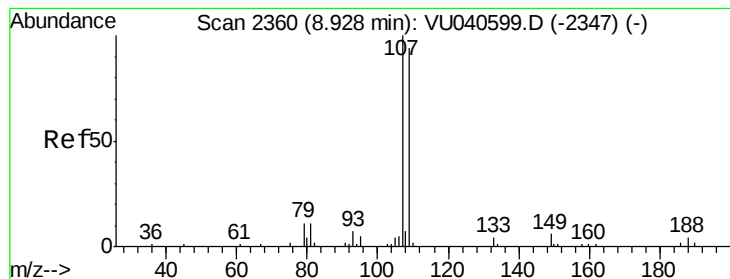
#49
Dibromochloromethane
Concen: 5.145 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU040623.D
Acq: 10 Oct 2020 07:06

Tgt Ion:	129	Resp:	52216
Ion	Ratio	Lower	Upper
129	100		
127	74.5	55.8	103.6



Abundance Ion 128.95 (128.65 to 129.65): VU040623.D (-2232) (-)





#50

1,2-Dibromoethane

Concen: 4.849 ug/L

RT: 8.93 min Scan# 2360

Delta R.T. -0.00 min

Lab File: VU040623.D

Acq: 10 Oct 2020 07:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

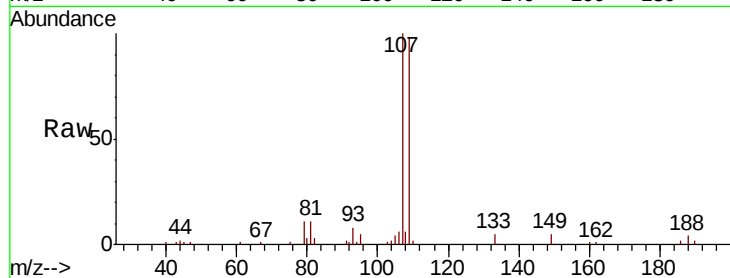
Tot Ion:107 Resp: 40565

Ion Ratio Lower Upper

107 100

109 97.6 65.7 121.9

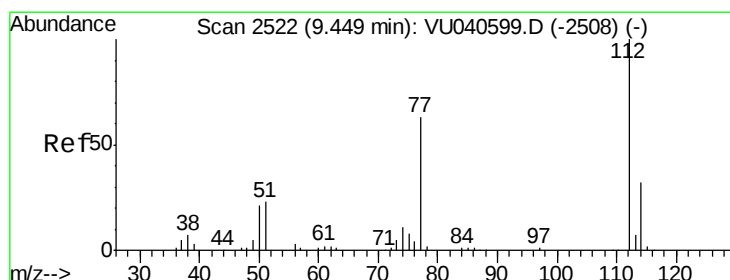
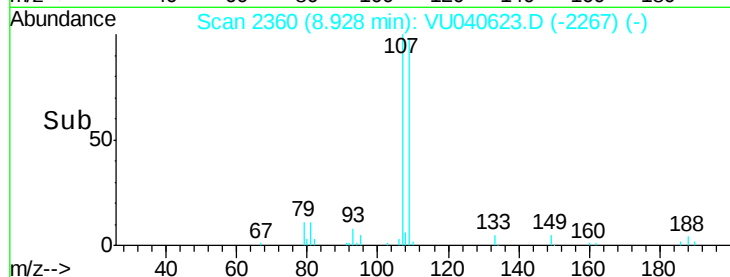
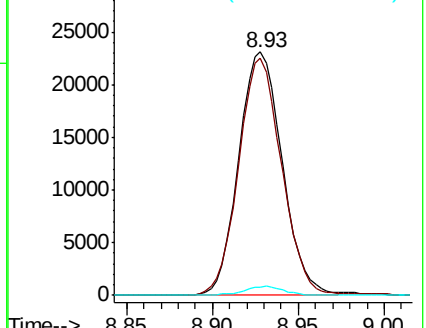
188 3.6 3.0 4.4



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 4.872 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU040623.D

Acq: 10 Oct 2020 07:06

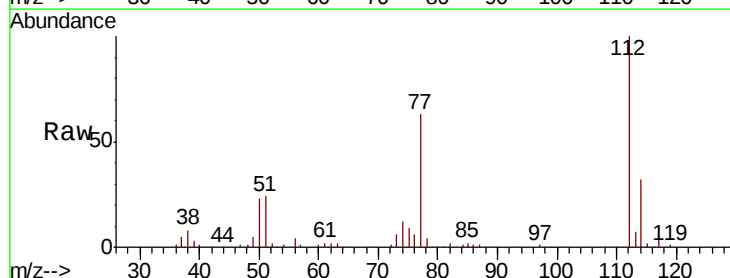
Tgt Ion:112 Resp: 138214

Ion Ratio Lower Upper

112 100

114 31.8 23.1 42.9

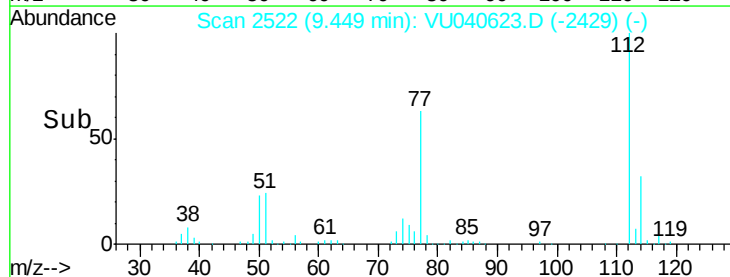
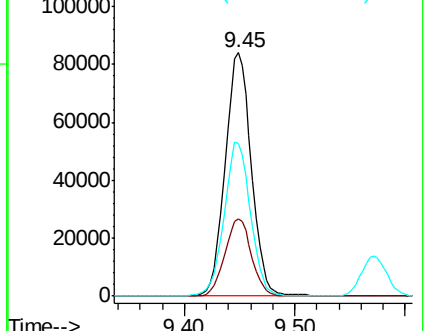
77 62.8 50.3 75.5

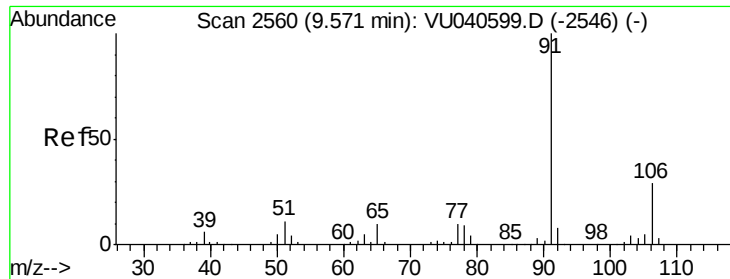


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0





#52

Ethylbenzene

Concen: 5.017 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040623.D

Acq: 10 Oct 2020 07:06

Instrument :

MSVOA_U

ClientSampleId :

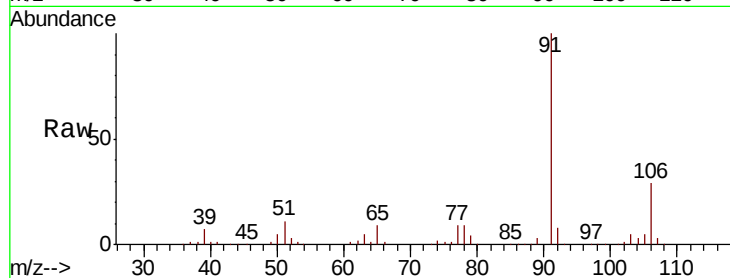
VSTD00525

Tot Ion: 91 Resp: 233837

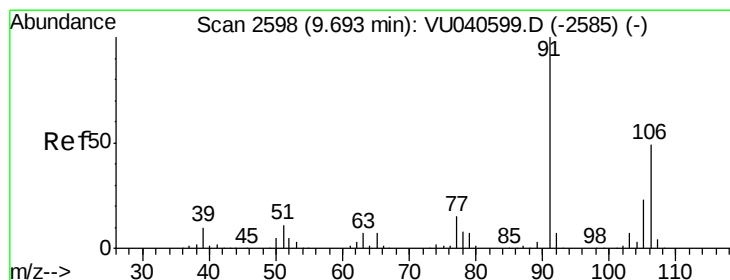
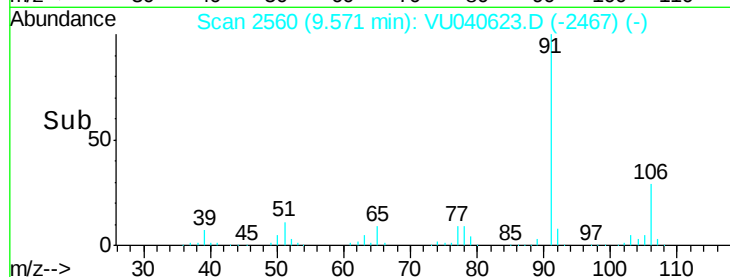
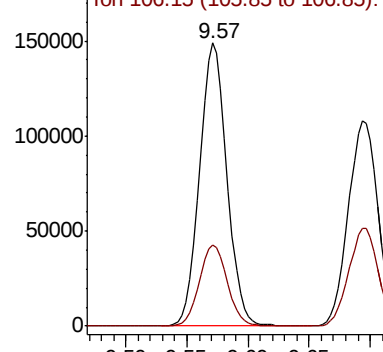
Ion Ratio Lower Upper

91 100

106 28.6 20.7 38.5



Abundance Ion 91.15 (90.85 to 91.85): VU040599.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.088 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040623.D

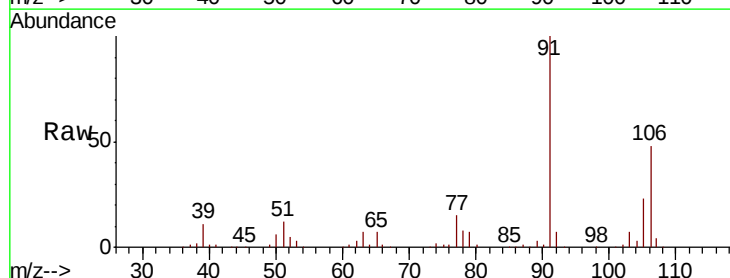
Acq: 10 Oct 2020 07:06

Tgt Ion: 106 Resp: 86449

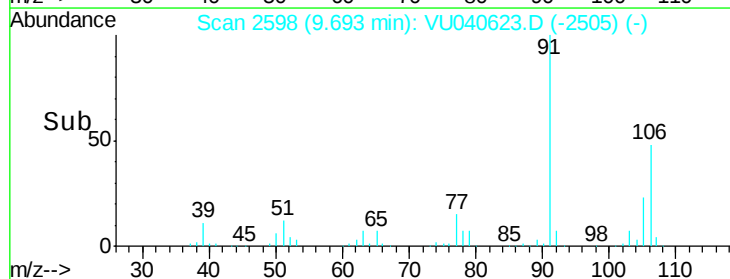
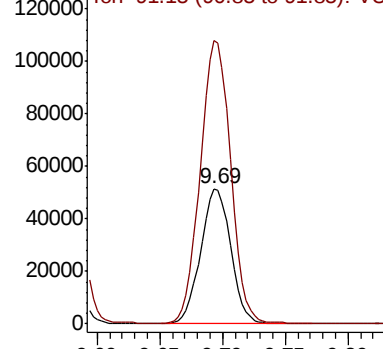
Ion Ratio Lower Upper

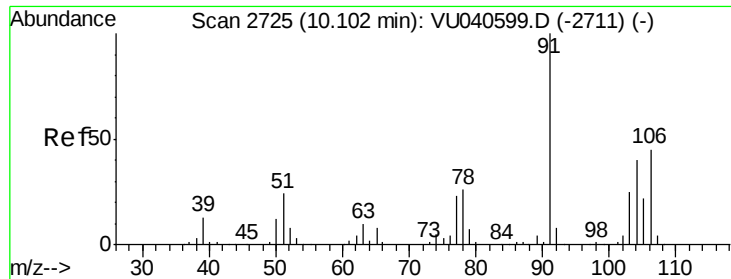
106 100

91 209.1 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): VU040599.D (-2585) (-)

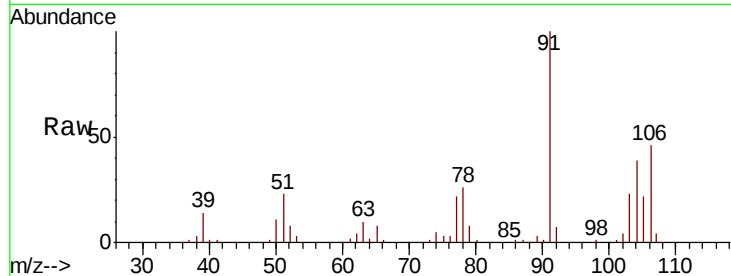




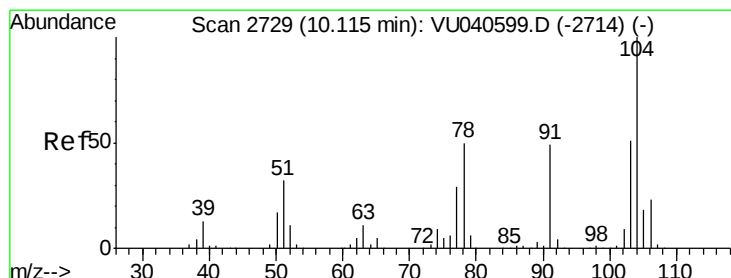
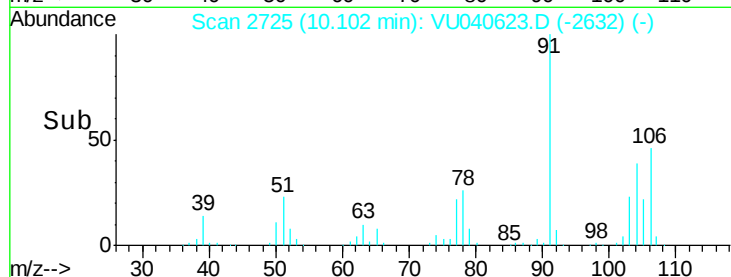
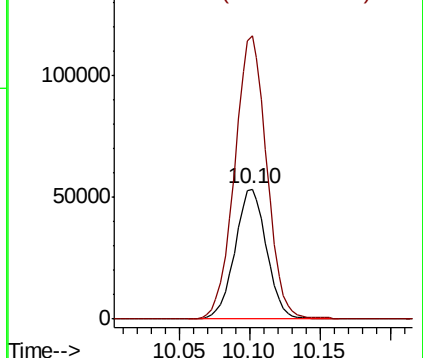
#54
o-Xylene
Concen: 5.149 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU040623.D
Acq: 10 Oct 2020 07:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

Tot Ion:106 Resp: 84130
Ion Ratio Lower Upper
106 100
91 217.3 160.2 297.4

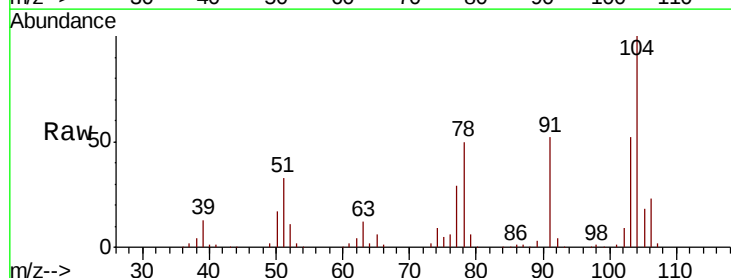


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

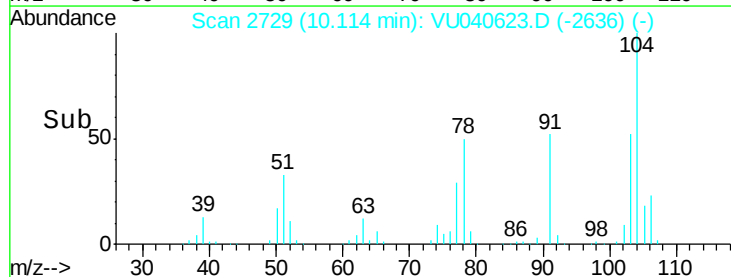
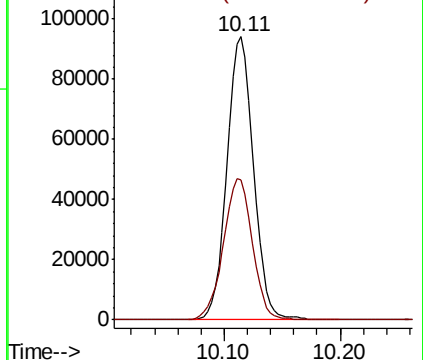


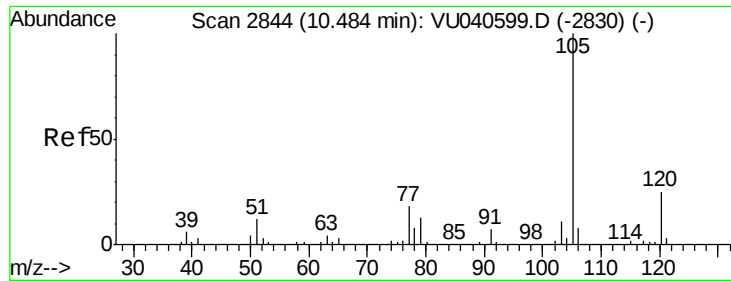
#55
Styrene
Concen: 5.226 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040623.D
Acq: 10 Oct 2020 07:06

Tgt Ion:104 Resp: 148261
Ion Ratio Lower Upper
104 100
78 49.6 34.6 64.3



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





#56

Isopropylbenzene

Concen: 5.125 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU040623.D

Acq: 10 Oct 2020 07:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

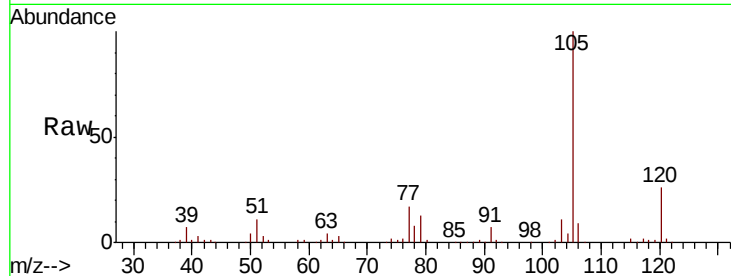
Tot Ion:105 Resp: 225406

Ion Ratio Lower Upper

105 100

120 25.7 20.6 30.8

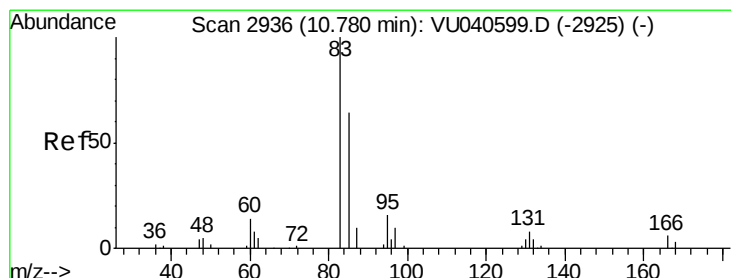
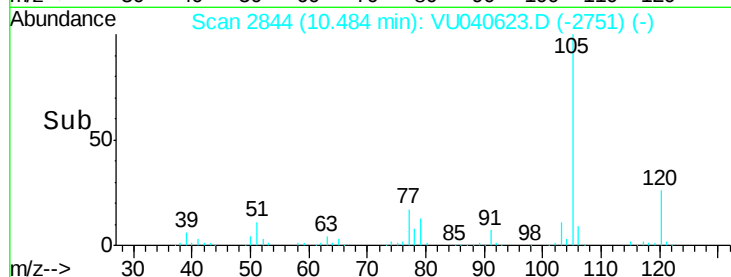
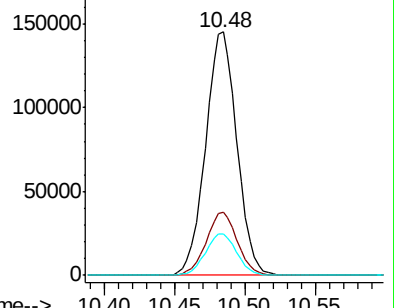
77 17.2 13.8 20.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.925 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040623.D

Acq: 10 Oct 2020 07:06

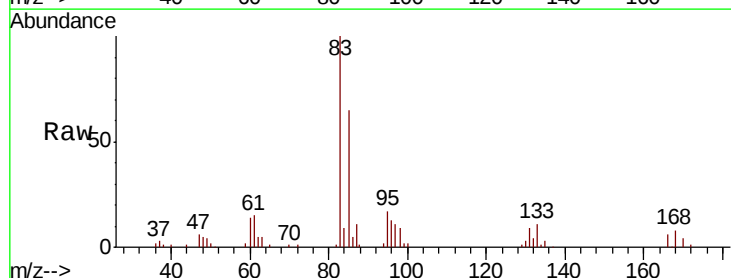
Tgt Ion: 83 Resp: 57030

Ion Ratio Lower Upper

83 100

85 64.8 45.6 84.6

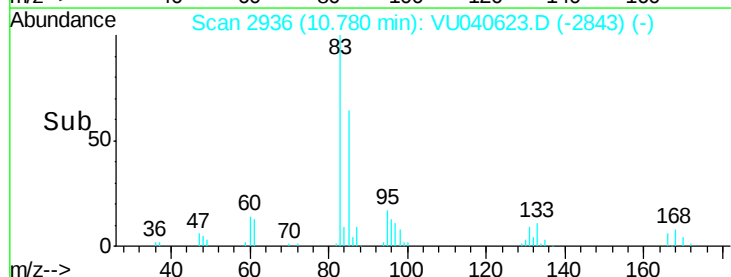
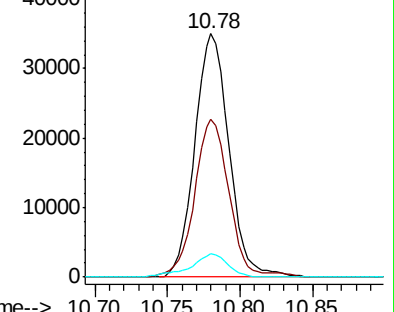
131 9.5 7.1 10.7

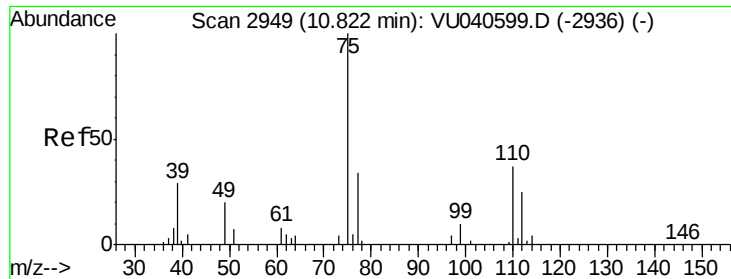


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

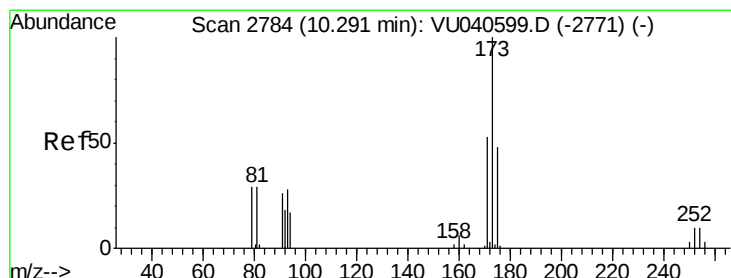
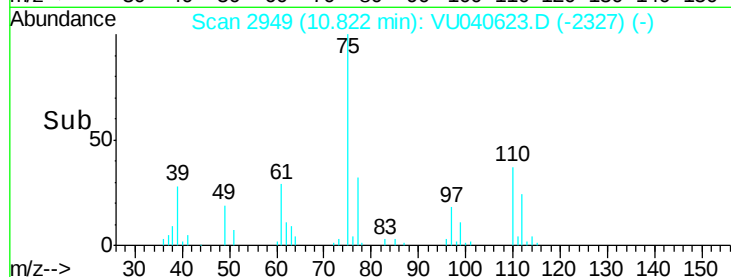
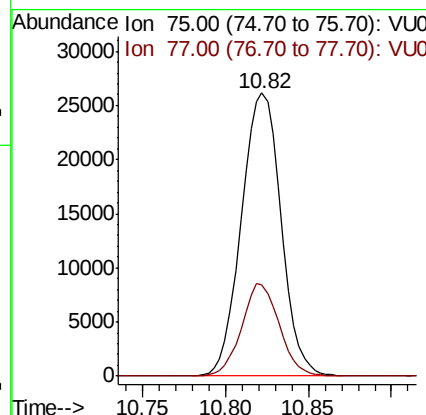
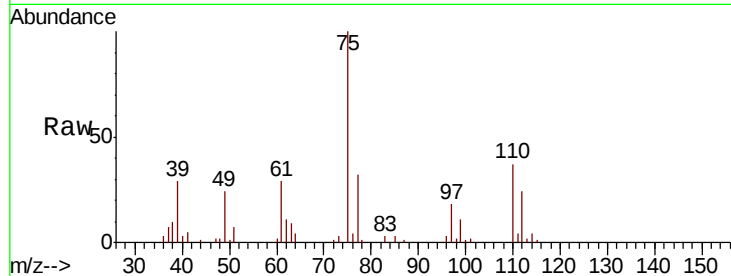




#59
 1,2,3-Trichloropropane
 Concen: 5.041 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. -0.00 min
 Lab File: VU040623.D
 Acq: 10 Oct 2020 07:06

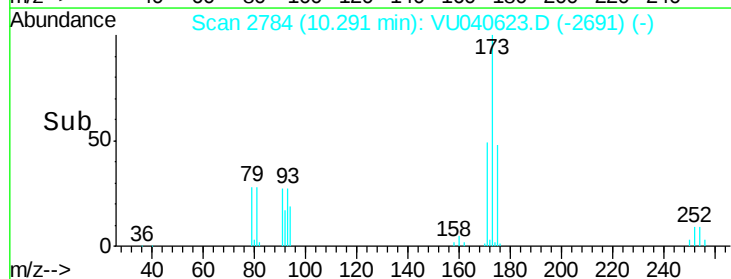
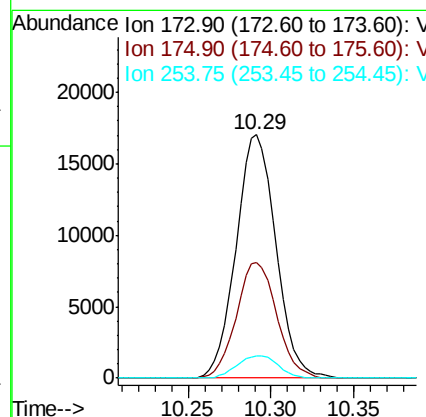
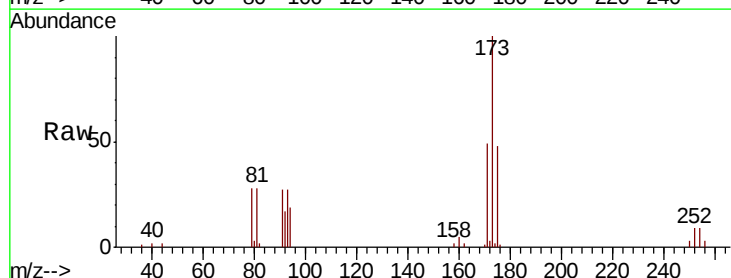
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

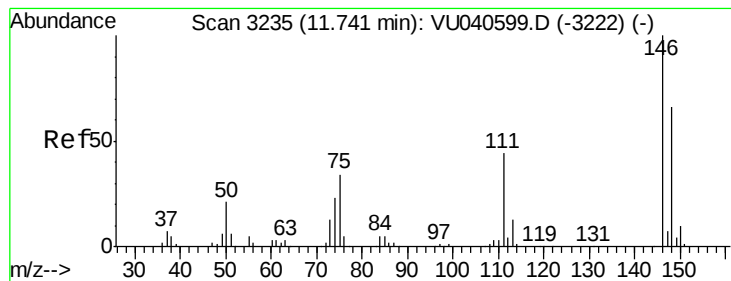
Tot Ion: 75 Resp: 43604
 Ion Ratio Lower Upper
 75 100
 77 30.9 26.4 39.6



#61
 Bromoform
 Concen: 4.896 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. -0.00 min
 Lab File: VU040623.D
 Acq: 10 Oct 2020 07:06

Tgt Ion: 173 Resp: 28446
 Ion Ratio Lower Upper
 173 100
 175 48.0 37.4 56.0
 254 9.4 7.4 11.2





#62

1,3-Dichlorobenzene

Concen: 4.970 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU040623.D

Acq: 10 Oct 2020 07:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

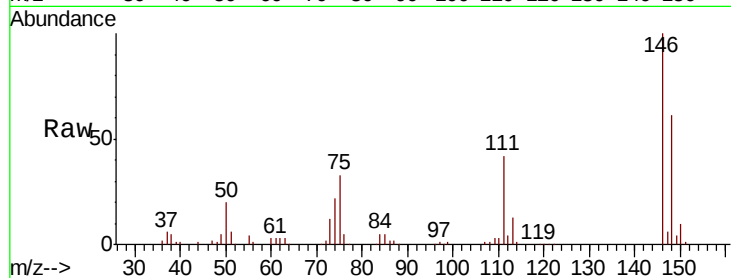
Tot Ion:146 Resp: 110262

Ion Ratio Lower Upper

146 100

111 41.8 28.8 53.6

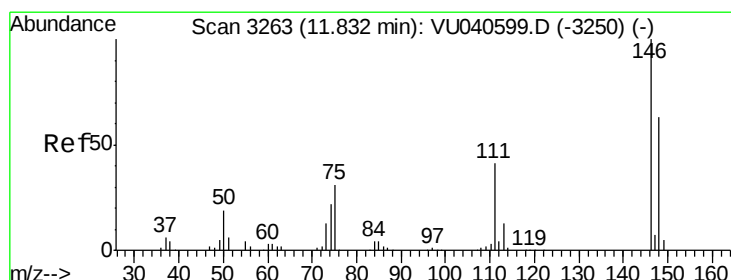
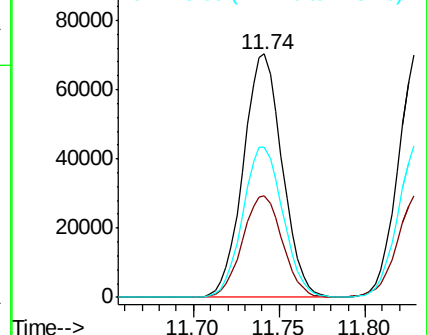
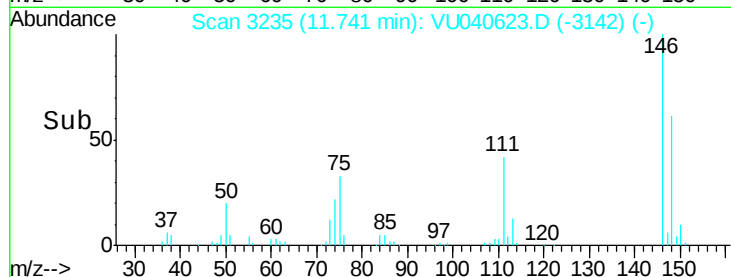
148 61.5 44.4 82.4



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



#63

1,4-Dichlorobenzene

Concen: 4.954 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU040623.D

Acq: 10 Oct 2020 07:06

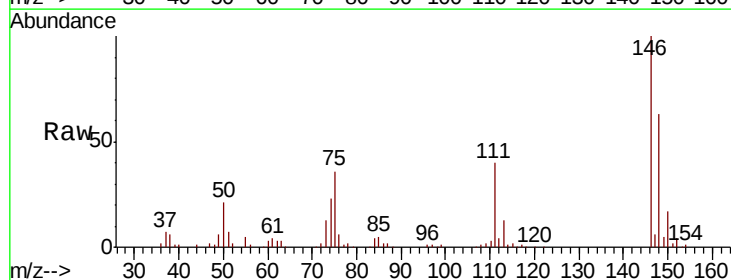
Tgt Ion:146 Resp: 113332

Ion Ratio Lower Upper

146 100

111 40.4 28.4 52.8

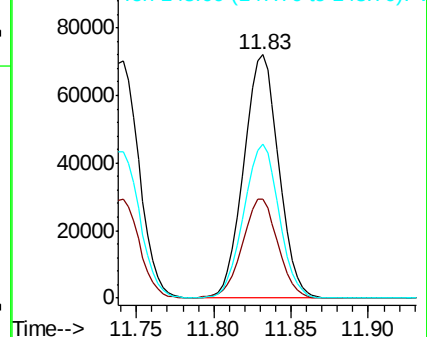
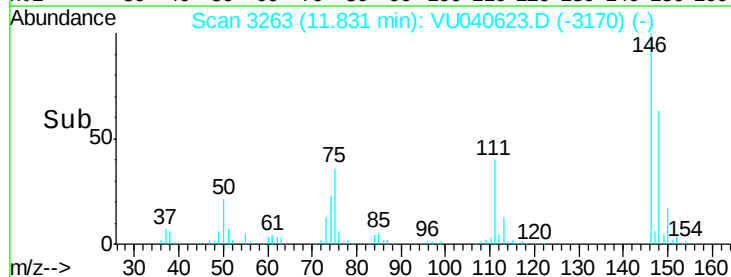
148 63.1 44.0 81.6

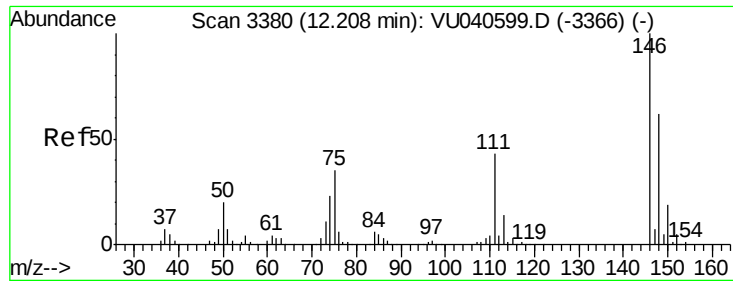


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.977 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU040623.D

Acq: 10 Oct 2020 07:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

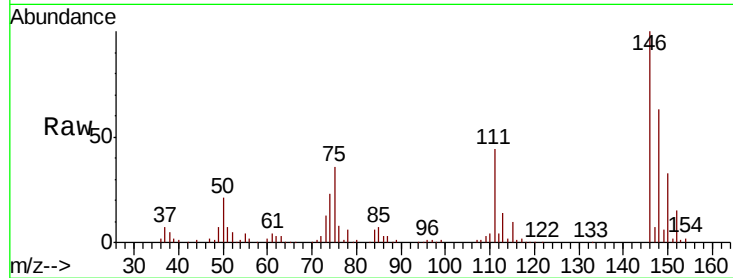
Tot Ion:146 Resp: 107939

Ion Ratio Lower Upper

146 100

111 43.6 34.4 51.6

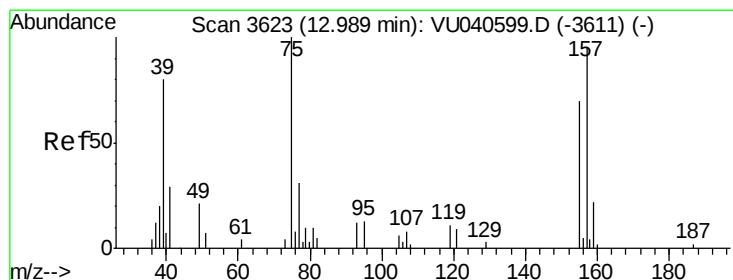
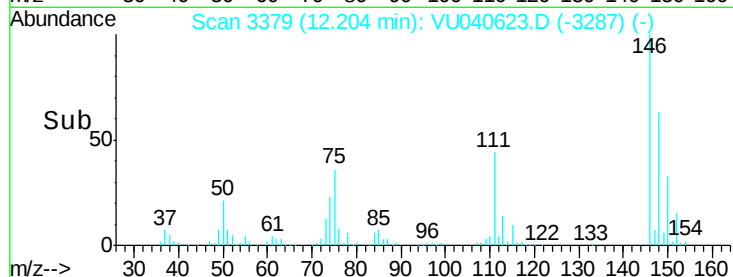
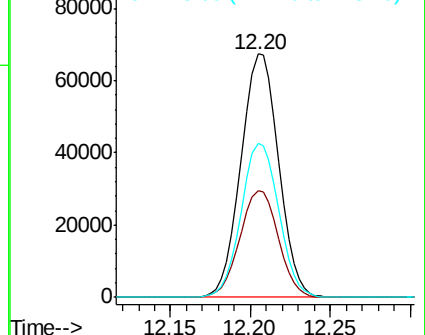
148 63.5 50.0 75.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.740 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU040623.D

Acq: 10 Oct 2020 07:06

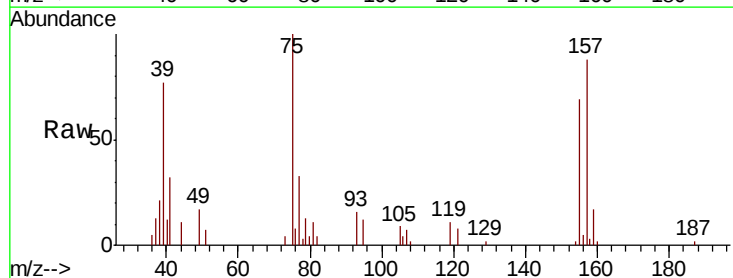
Tgt Ion: 75 Resp: 9002

Ion Ratio Lower Upper

75 100

155 69.3 53.8 80.6

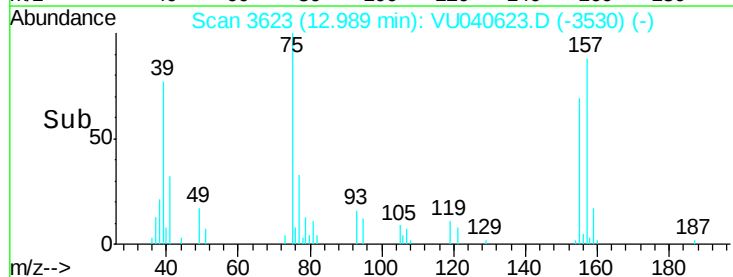
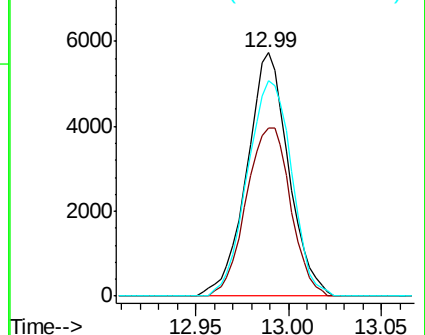
157 88.4 74.6 112.0

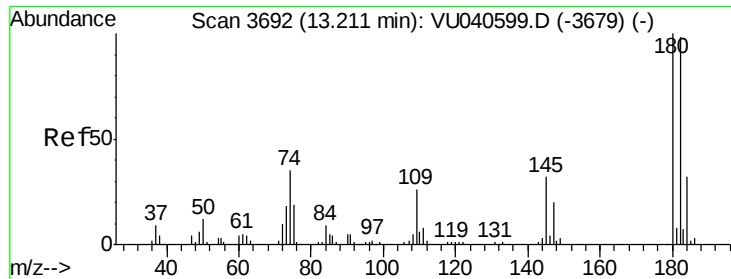


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

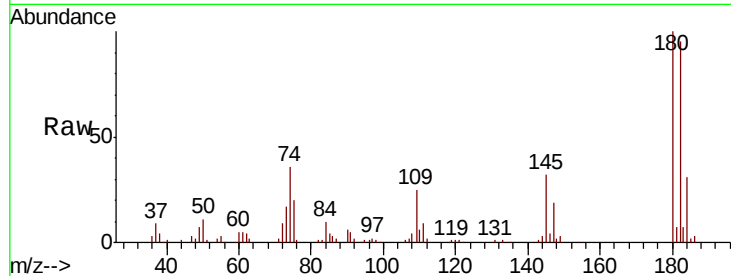




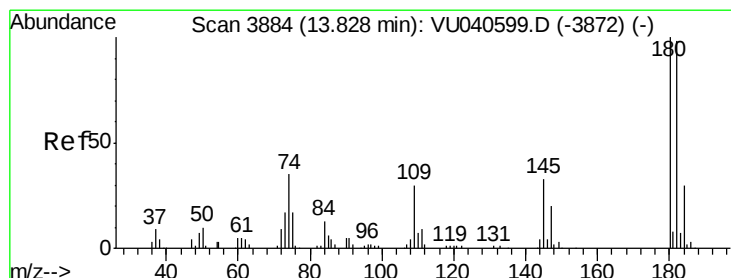
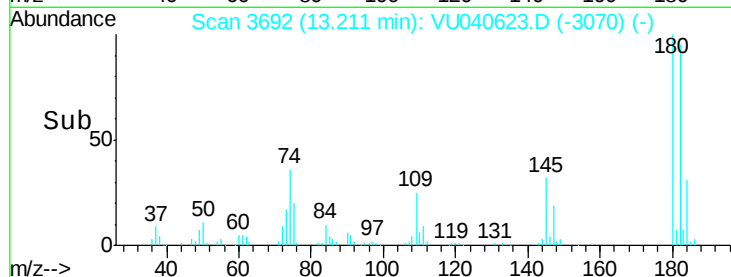
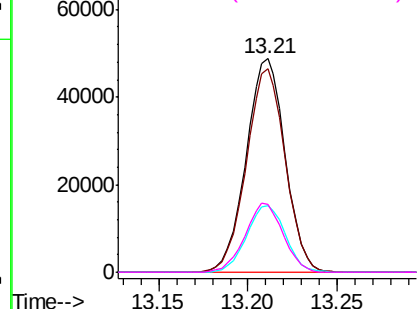
#67
 1,3,5-Trichlorobenzene
 Concen: 4.699 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU040623.D
 Acq: 10 Oct 2020 07:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Tot Ion:180 Resp: 73970
 Ion Ratio Lower Upper
 180 100
 182 95.6 77.0 115.4
 184 31.2 24.5 36.7
 145 31.6 25.9 38.9

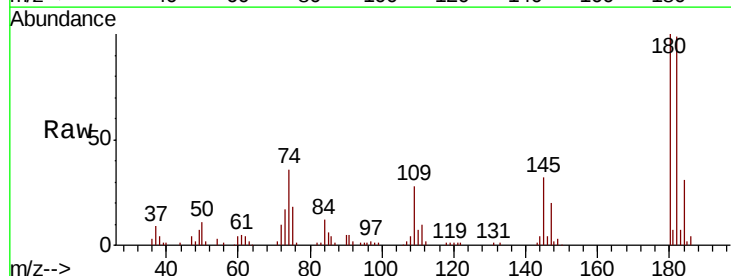


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

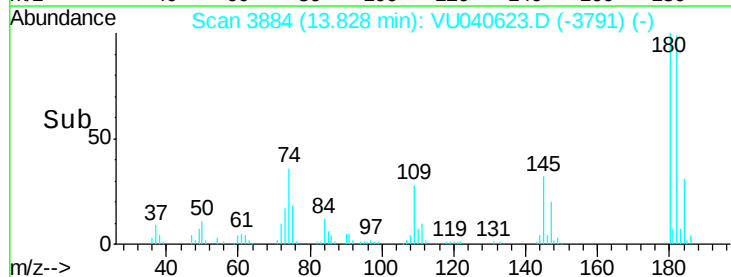
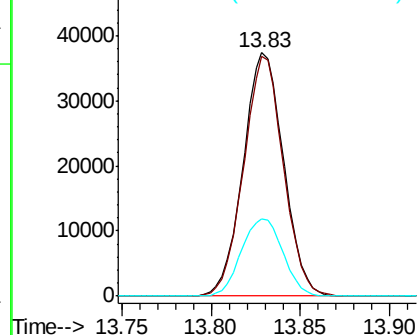


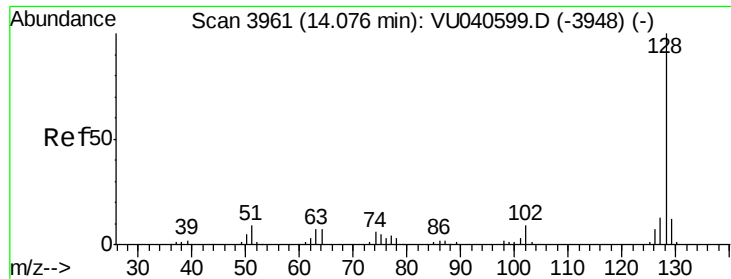
#68
 1,2,4-trichlorobenzene
 Concen: 4.870 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040623.D
 Acq: 10 Oct 2020 07:06

Tgt Ion:180 Resp: 59229
 Ion Ratio Lower Upper
 180 100
 182 96.8 78.8 118.2
 145 32.6 26.1 39.1



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: 4.844 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040623.D

Acq: 10 Oct 2020 07:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

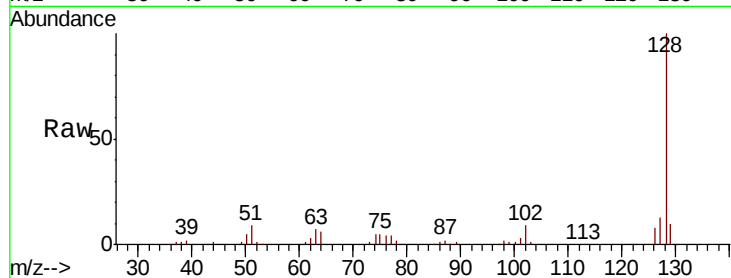
Tot Ion:128 Resp: 96376

Ion Ratio Lower Upper

128 100

129 10.7 9.0 13.4

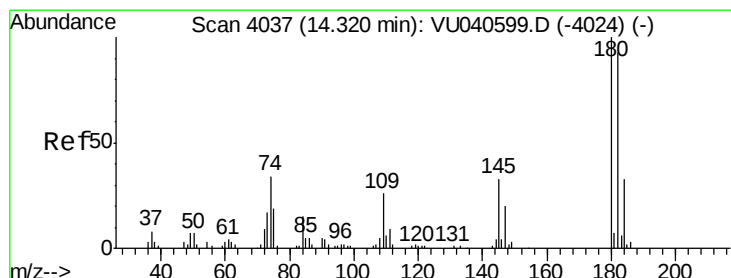
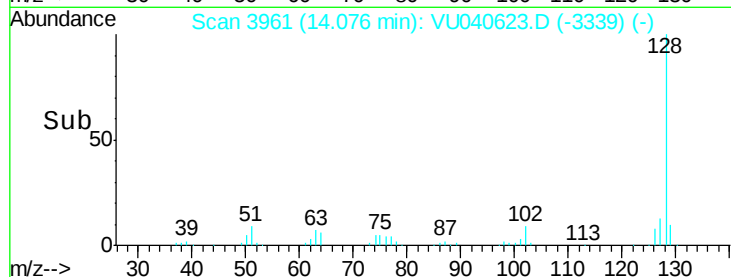
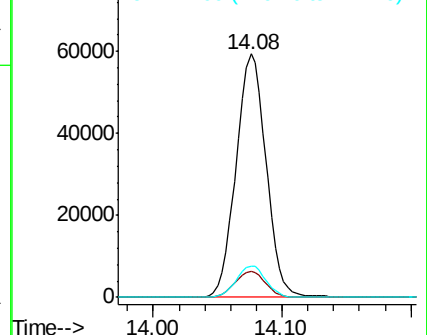
127 12.8 10.2 15.4



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: 5.006 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU040623.D

Acq: 10 Oct 2020 07:06

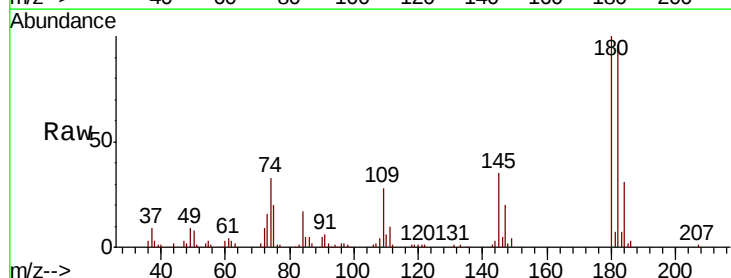
Tgt Ion:180 Resp: 56537

Ion Ratio Lower Upper

180 100

182 96.8 75.8 113.8

145 35.7 27.4 41.2



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

