

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092620\
 Data File : VU040323.D
 Acq On : 26 Sep 2020 01:12
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Quant Time: Sep 26 06:55:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Sep 26 06:44:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	152038	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	145084	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	72136	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	39234	4.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.60%
7) Chloroethane-d5	1.92	69	37361	5.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.00%
11) 1,1-Dichloroethene-d2	2.58	63	99685	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.60%
20) 2-Butanone-d5	4.66	46	202503	60.99	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.98%
24) Chloroform-d	5.08	84	90555	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	5.72	65	55261	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
32) Benzene-d6	5.74	84	168534	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
36) 1,2-Dichloropropane-d6	6.70	67	56761	5.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.60%
41) Toluene-d8	7.91	98	148895	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
43) trans-1,3-Dichloropropene-	8.19	79	22724	4.43	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.60%
46) 2-Hexanone-d5	8.64	63	147835	60.85	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	121.70%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	49807	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	56695	4.86	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	61414	4.070	ug/L 100
3) Chloromethane	1.53	50	59647	4.129	ug/L 100
5) Vinyl chloride	1.61	62	69231	4.727	ug/L 96
6) Bromomethane	1.86	94	21857	2.920	ug/L 96
8) Chloroethane	1.94	64	44267	5.030	ug/L 98
9) Trichlorofluoromethane	2.15	101	96508	4.600	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	62232	4.576	ug/L 98
12) 1,1-Dichloroethene	2.59	96	59068	5.020	ug/L 90
13) Acetone	2.67	43	168308	54.758	ug/L 97
14) Carbon disulfide	2.81	76	158535	4.202	ug/L 100
15) Methyl Acetate	2.97	43	41972	5.441	ug/L 97
16) Methylene chloride	3.06	84	69619	4.518	ug/L 93
17) Methyl tert-butyl Ether	3.38	73	186712	5.265	ug/L 98
18) trans-1,2-Dichloroethene	3.37	96	62520	4.940	ug/L 95
19) 1,1-Dichloroethane	3.89	63	132005	5.067	ug/L 99
21) 2-Butanone	4.74	43	297614	59.308	ug/L 99
22) cis-1,2-Dichloroethene	4.68	96	69890	5.135	ug/L 97

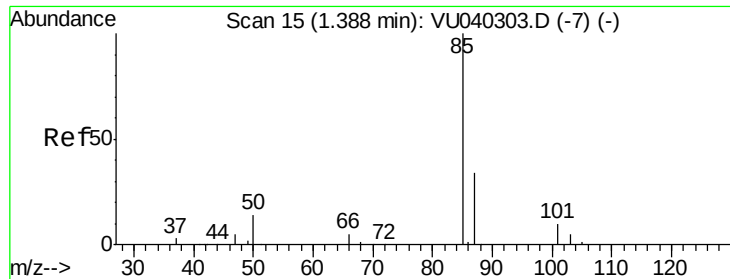
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092620\
 Data File : VU040323.D
 Acq On : 26 Sep 2020 01:12
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Quant Time: Sep 26 06:55:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Sep 26 06:44:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	32001	5.367	ug/L	99
25) Chloroform	5.11	83	135026	5.061	ug/L	99
27) 1,2-Dichloroethane	5.81	62	93608	4.789	ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	110432	4.848	ug/L	100
30) Cyclohexane	5.40	56	110792	5.015	ug/L	96
31) Carbon tetrachloride	5.54	117	92950	4.768	ug/L	98
33) Benzene	5.79	78	273589	5.271	ug/L	100
34) Trichloroethene	6.55	95	68862	4.946	ug/L	96
35) Methylcyclohexane	6.77	83	97877	4.591	ug/L	99
37) 1,2-Dichloropropane	6.80	63	76378	5.435	ug/L	100
38) Bromodichloromethane	7.11	83	96444	5.027	ug/L	98
39) cis-1,3-Dichloropropene	7.62	75	99880	4.819	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	676556	58.672	ug/L	99
42) Toluene	7.98	91	282757	5.290	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	95316	4.963	ug/L	97
45) 1,1,2-Trichloroethane	8.40	97	55510	5.422	ug/L	99
47) Tetrachloroethene	8.56	164	45908	5.020	ug/L	97
48) 2-Hexanone	8.69	43	497388	59.134	ug/L	99
49) Dibromochloromethane	8.81	129	63139	5.138	ug/L	96
50) 1,2-Dibromoethane	8.93	107	50936	5.160	ug/L #	91
51) Chlorobenzene	9.45	112	179210	5.400	ug/L	99
52) Ethylbenzene	9.57	91	308598	5.081	ug/L	99
53) m,p-Xylene	9.69	106	118255	5.469	ug/L	94
54) o-Xylene	10.10	106	113530	5.510	ug/L	92
55) Styrene	10.11	104	192915	5.384	ug/L	99
56) Isopropylbenzene	10.48	105	301890	5.372	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	72209	5.500	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	55949	5.373	ug/L	99
61) Bromoform	10.29	173	34926	5.279	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	139952	5.308	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	142341	5.335	ug/L	98
65) 1,2-Dichlorobenzene	12.20	146	137617	5.394	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	12664	4.641	ug/L	93
67) 1,3,5-Trichlorobenzene	13.21	180	97261	5.246	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	84514	5.293	ug/L	98
69) Naphthalene	14.08	128	167696	5.038	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	80160	5.465	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.070 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040323.D

Acq: 26 Sep 2020 01:12

Instrument :

MSVOA_U

ClientSampleId :

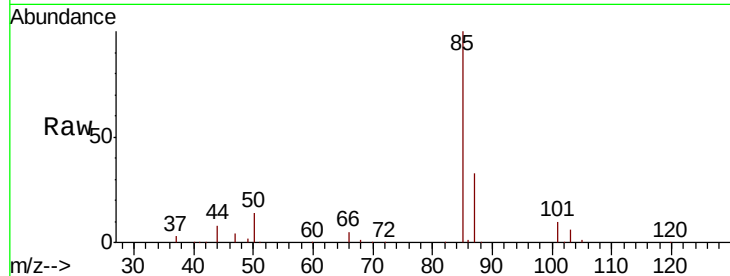
VSTD00521

Tot Ion: 85 Resp: 61414

Ion Ratio Lower Upper

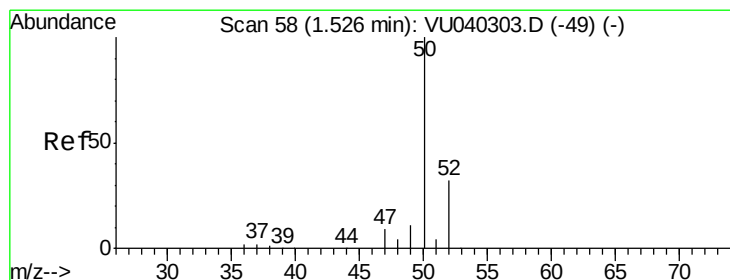
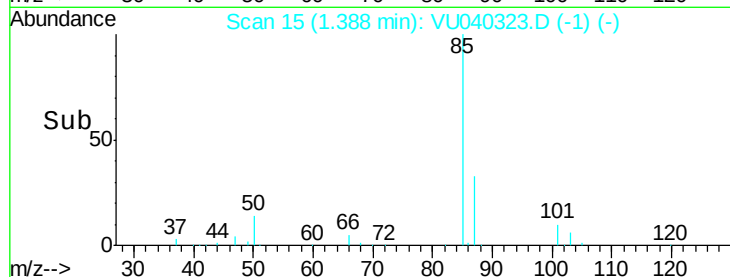
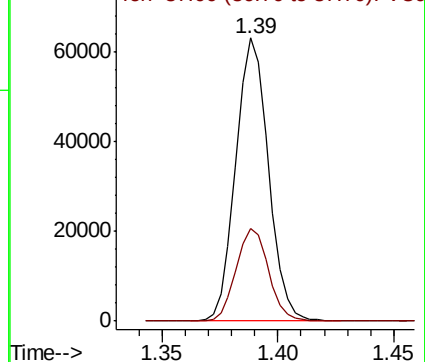
85 100

87 32.6 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.129 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040323.D

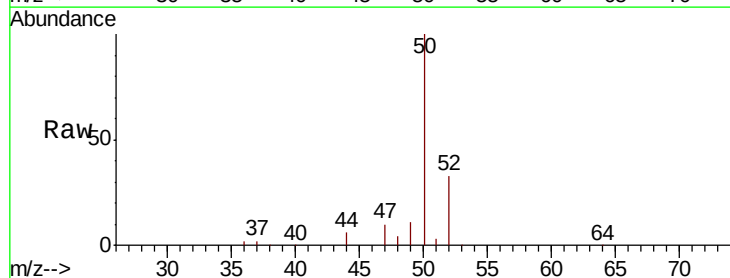
Acq: 26 Sep 2020 01:12

Tgt Ion: 50 Resp: 59647

Ion Ratio Lower Upper

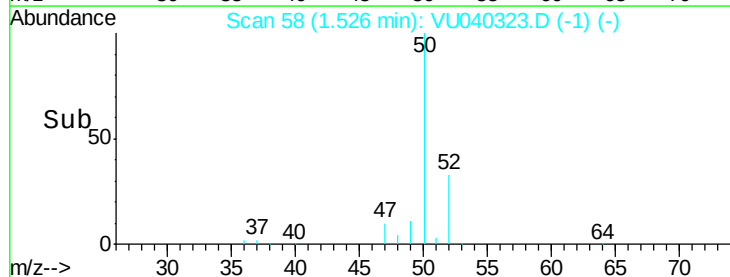
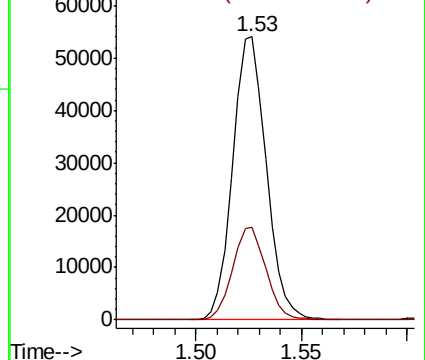
50 100

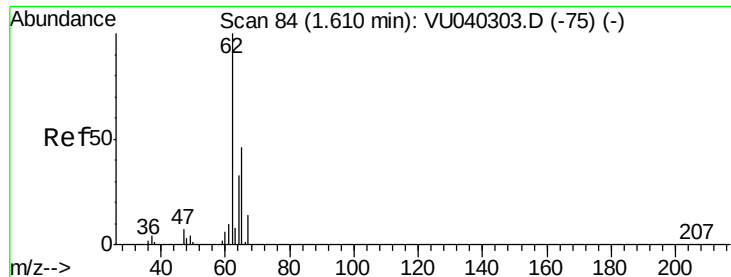
52 32.6 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.727 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040323.D

Acq: 26 Sep 2020 01:12

Instrument :

MSVOA_U

ClientSampleId :

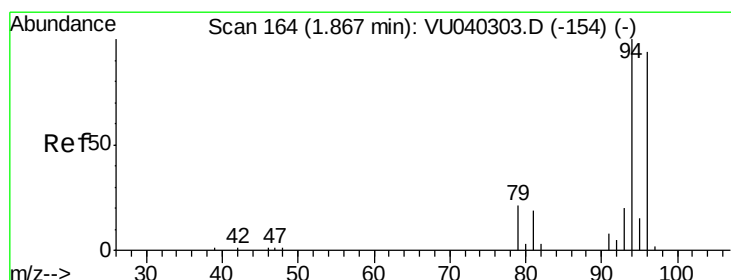
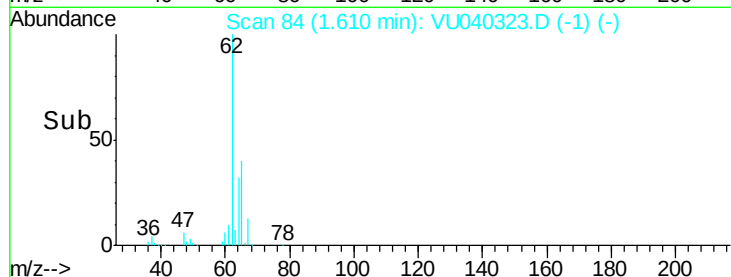
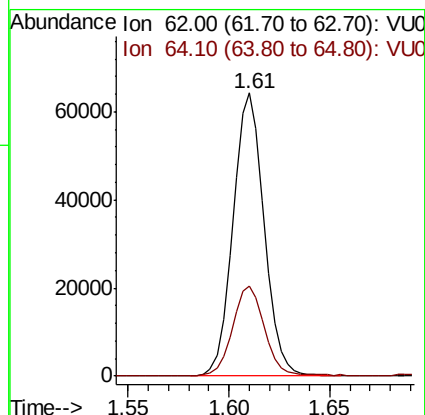
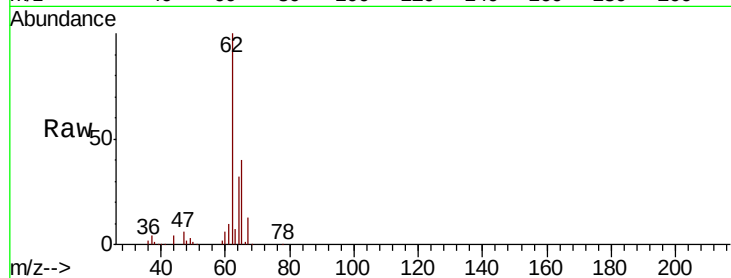
VSTD00521

Tot Ion: 62 Resp: 69231

Ion Ratio Lower Upper

62 100

64 31.7 23.9 44.3



#6

Bromomethane

Concen: 2.920 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU040323.D

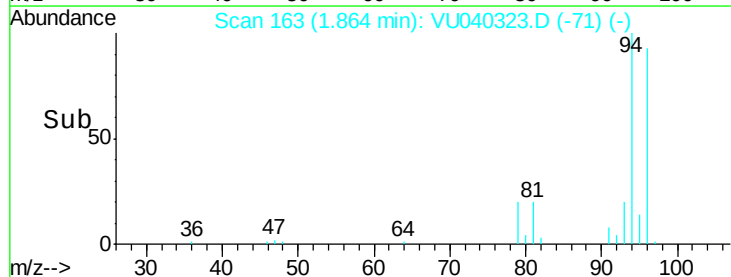
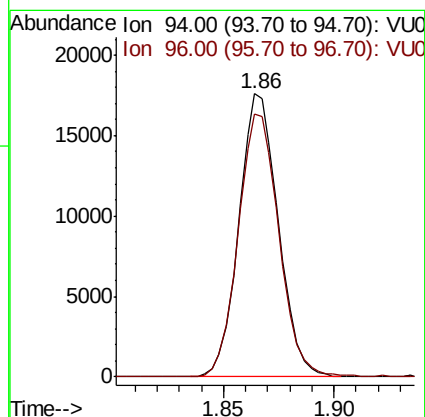
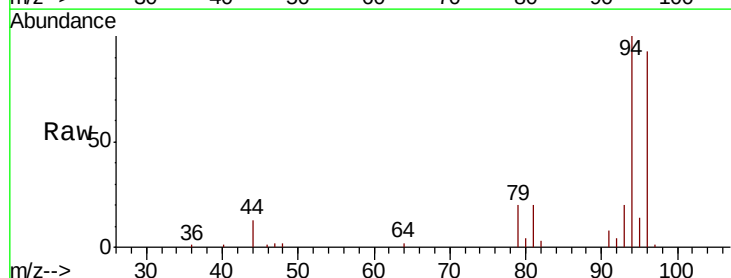
Acq: 26 Sep 2020 01:12

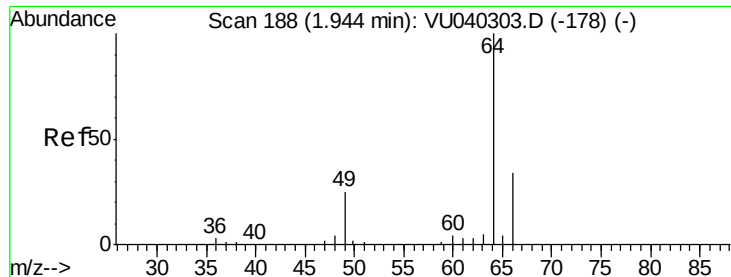
Tgt Ion: 94 Resp: 21857

Ion Ratio Lower Upper

94 100

96 93.1 62.3 115.7

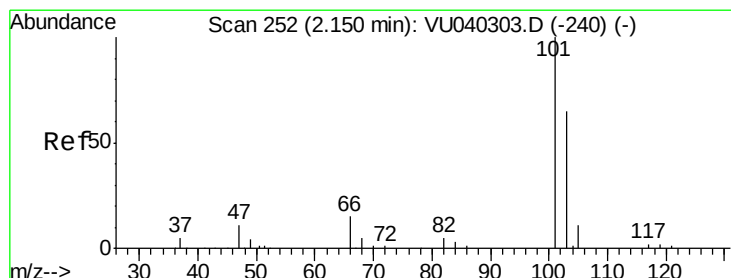
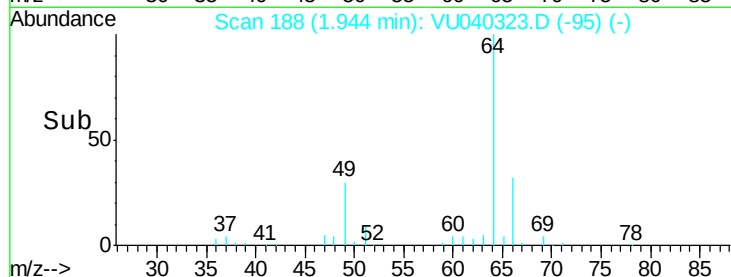
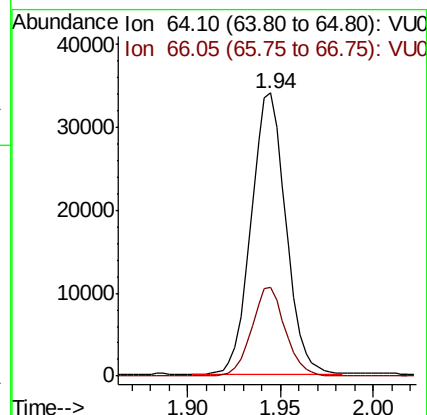
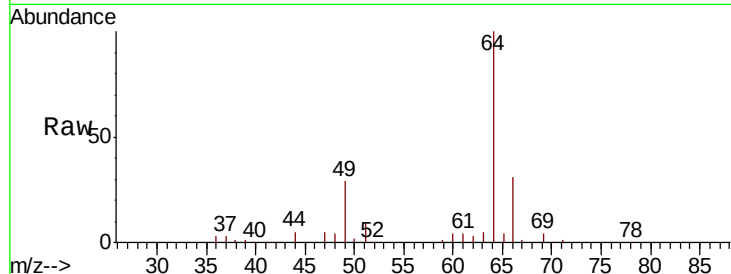




#8
Chloroethane
Concen: 5.030 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU040323.D
Acq: 26 Sep 2020 01:12

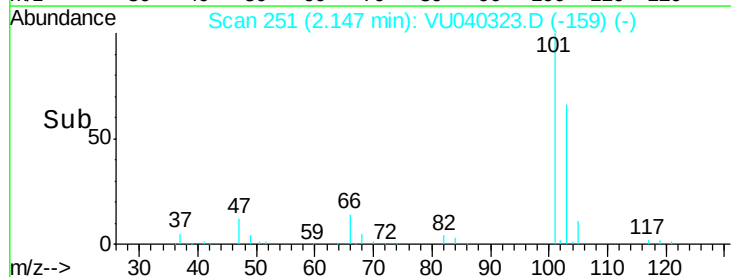
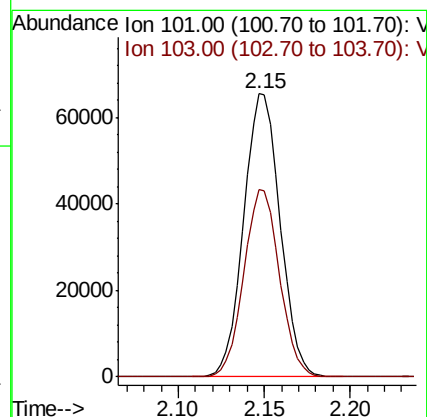
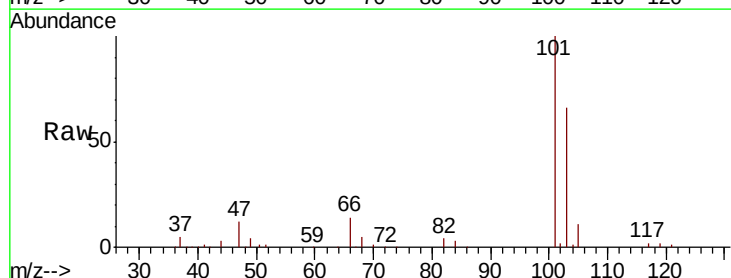
Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

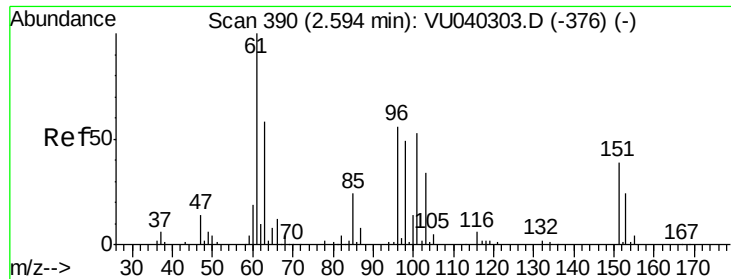
Tot Ion: 64 Resp: 44267
Ion Ratio Lower Upper
64 100
66 31.4 22.7 42.1



#9
Trichlorofluoromethane
Concen: 4.600 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU040323.D
Acq: 26 Sep 2020 01:12

Tgt Ion: 101 Resp: 96508
Ion Ratio Lower Upper
101 100
103 64.8 51.3 76.9





#10

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

Concen: 4.576 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040323.D

Acq: 26 Sep 2020 01:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

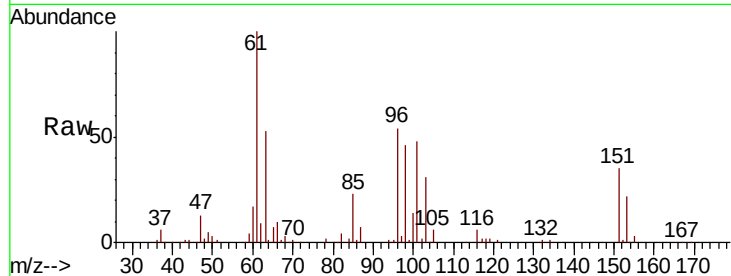
Tot Ion:101 Resp: 62232

Ion Ratio Lower Upper

101 100

85 45.5 37.7 56.5

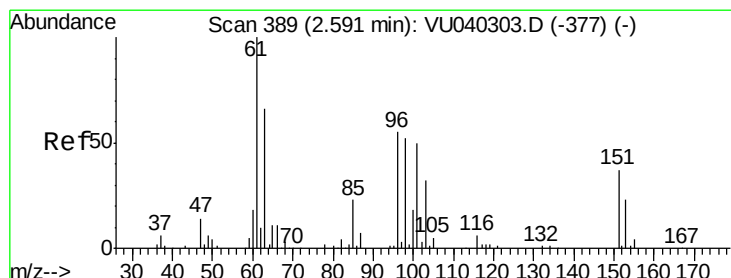
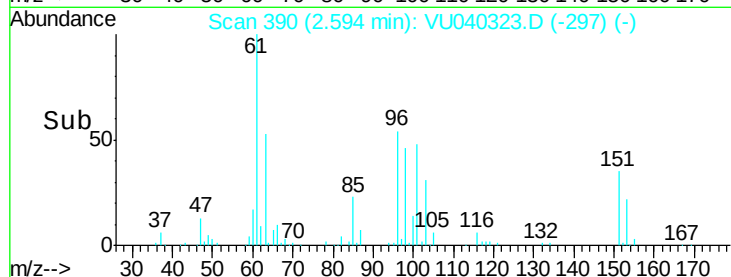
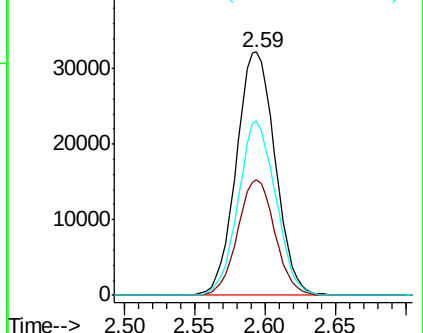
151 69.3 53.9 80.9



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: 5.020 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040323.D

Acq: 26 Sep 2020 01:12

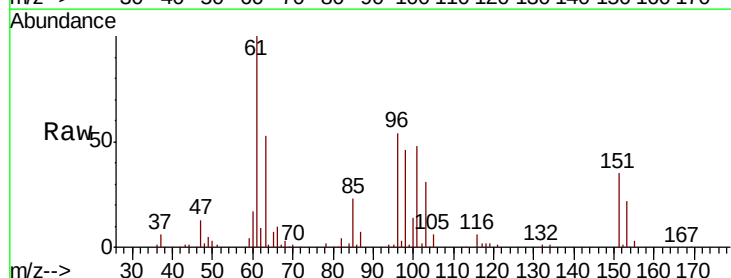
Tgt Ion: 96 Resp: 59068

Ion Ratio Lower Upper

96 100

61 185.3 138.3 256.8

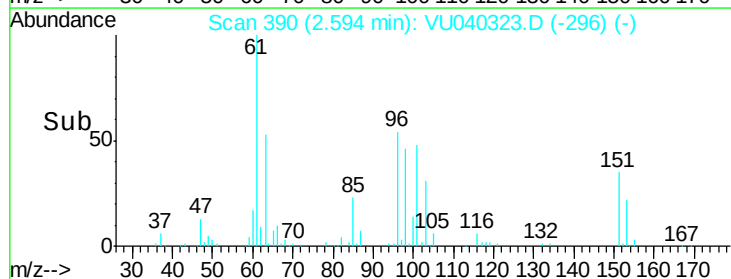
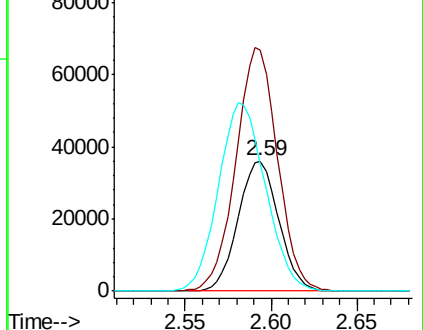
63 97.6 77.6 144.2

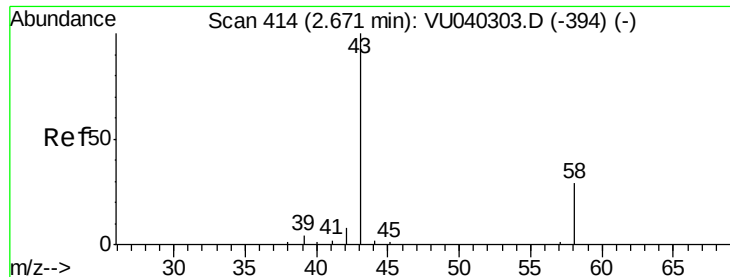


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 54.758 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.00 min

Lab File: VU040323.D

Acq: 26 Sep 2020 01:12

Instrument :

MSVOA_U

ClientSampleId :

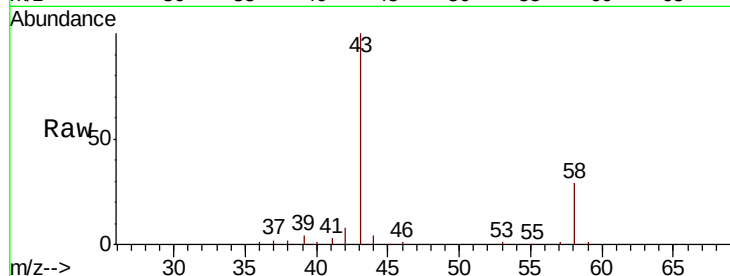
VSTD00521

Tot Ion: 43 Resp: 168308

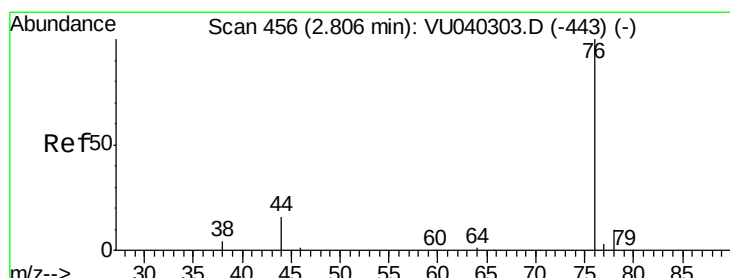
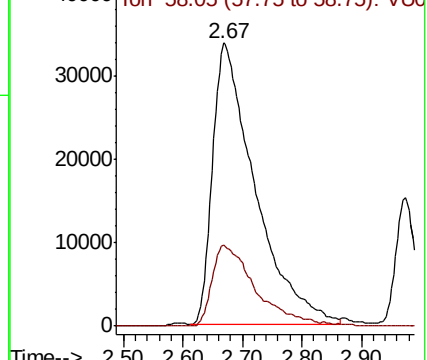
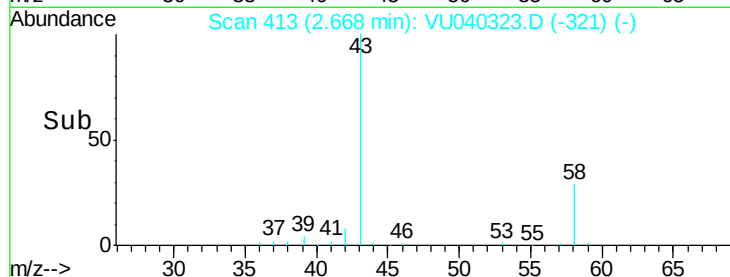
Ion Ratio Lower Upper

43 100

58 29.1 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU040323.D (-321) (-)



#14

Carbon disulfide

Concen: 4.202 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040323.D

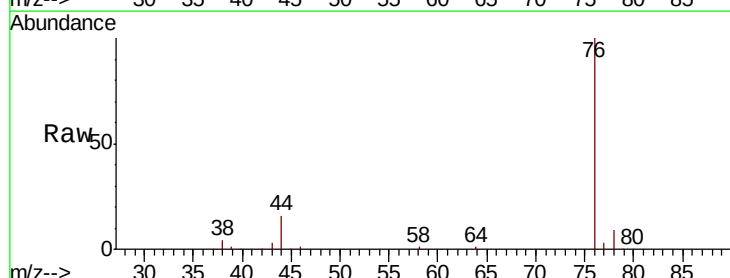
Acq: 26 Sep 2020 01:12

Tgt Ion: 76 Resp: 158535

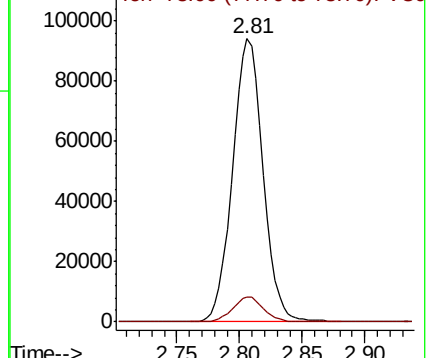
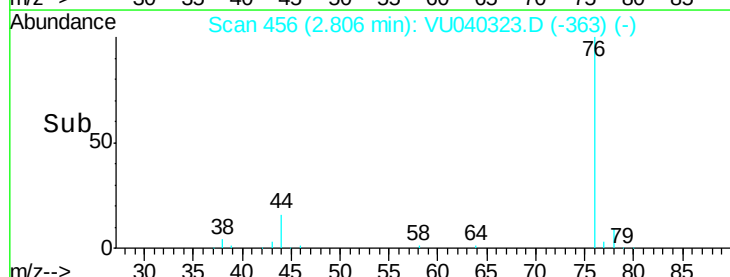
Ion Ratio Lower Upper

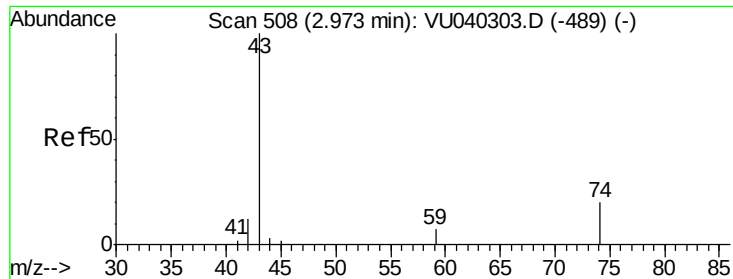
76 100

78 8.8 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU040323.D (-363) (-)

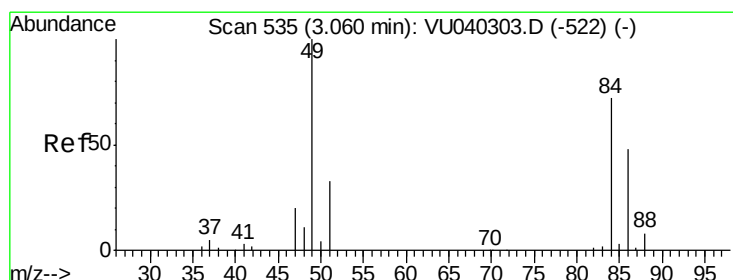
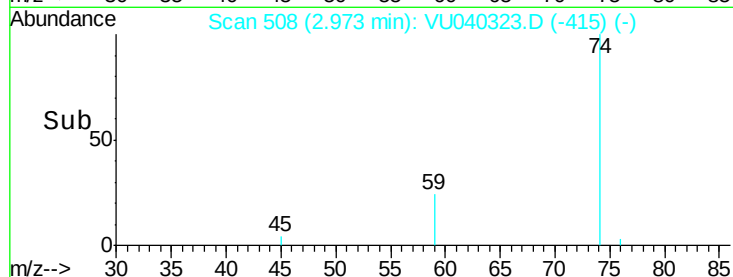
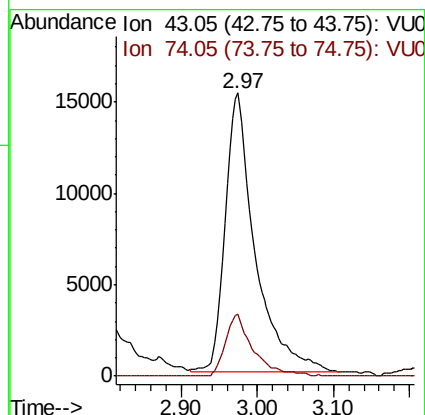
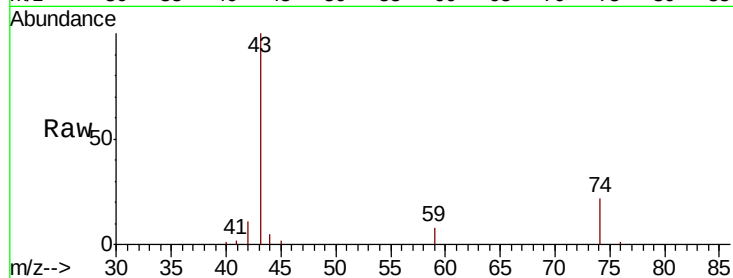




#15
Methvl Acetate
Concen: 5.441 ug/L
RT: 2.97 min Scan# 508
Delta R.T. -0.00 min
Lab File: VU040323.D
Acq: 26 Sep 2020 01:12

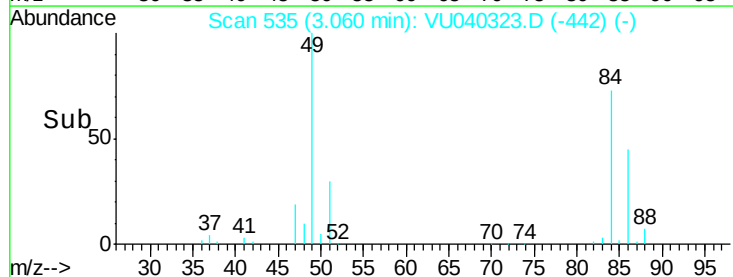
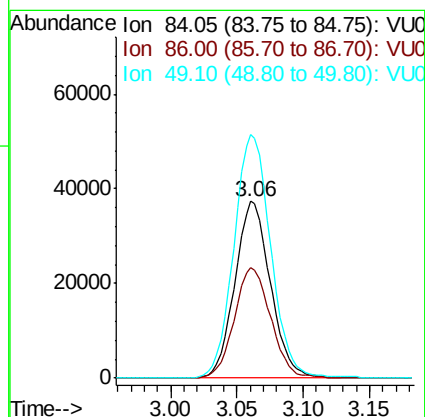
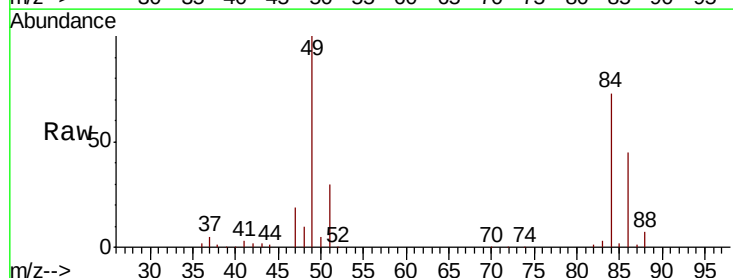
Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

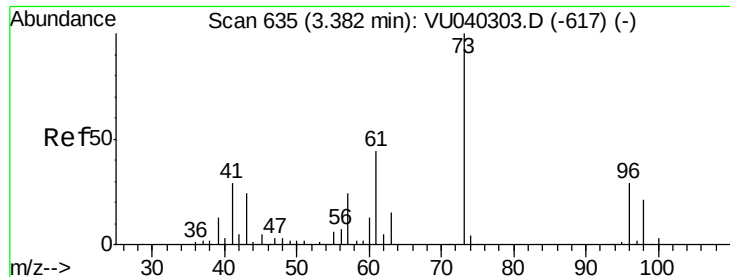
Tot Ion: 43 Resp: 41972
Ion Ratio Lower Upper
43 100
74 20.3 17.4 26.0



#16
Methylene chloride
Concen: 4.518 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU040323.D
Acq: 26 Sep 2020 01:12

Tgt Ion: 84 Resp: 69619
Ion Ratio Lower Upper
84 100
86 62.4 45.2 84.0
49 137.8 104.0 193.2

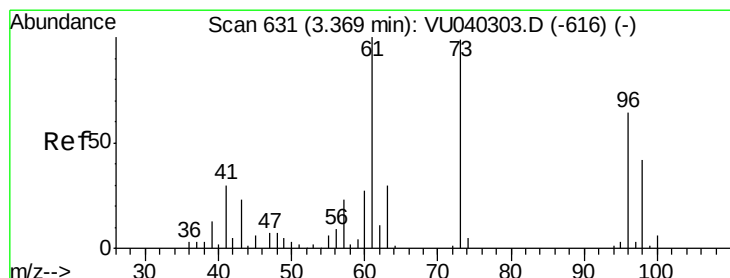
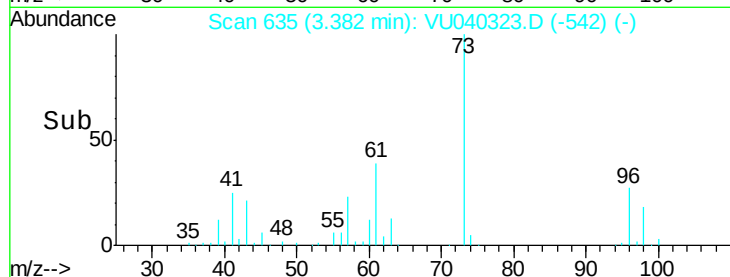
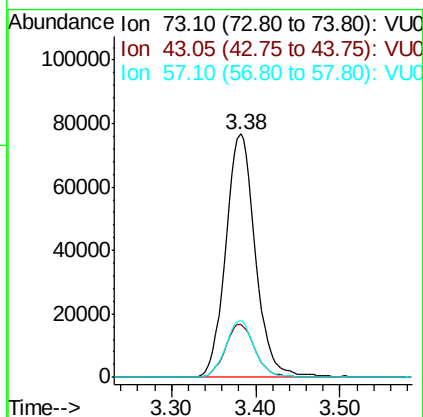
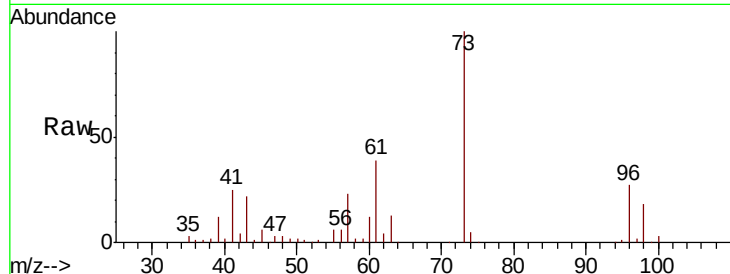




#17
Methyl tert-butyl Ether
Concen: 5.265 ug/L
RT: 3.38 min Scan# 635
Delta R.T. -0.00 min
Lab File: VU040323.D
Acq: 26 Sep 2020 01:12

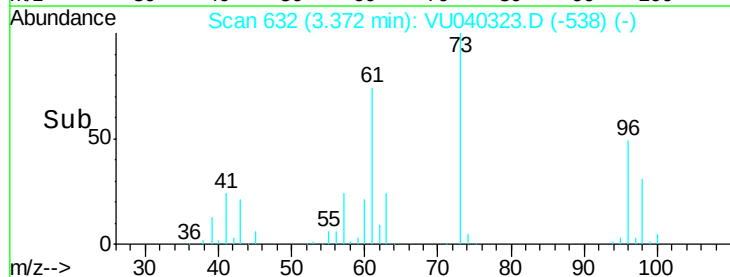
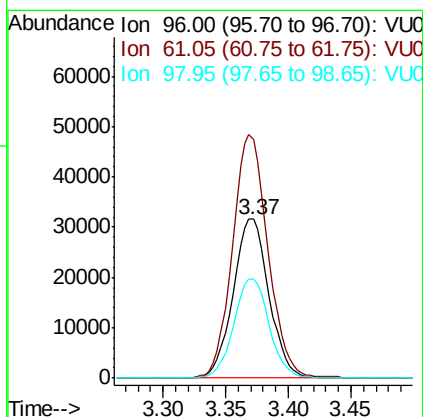
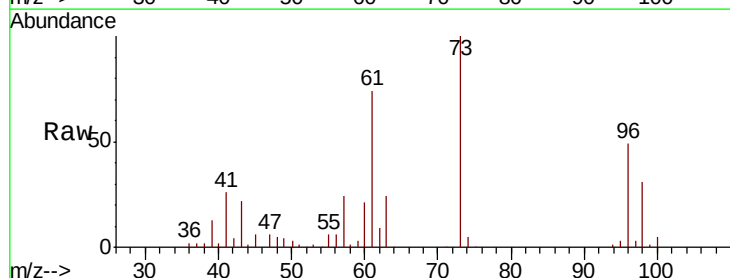
Instrument :
MSVOA_U
ClientSampled :
VSTD00521

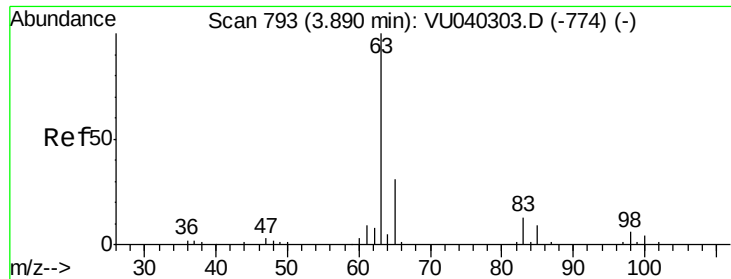
Tot Ion: 73 Resp: 186712
Ion Ratio Lower Upper
73 100
43 22.1 19.1 28.7
57 22.8 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 4.940 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU040323.D
Acq: 26 Sep 2020 01:12

Tgt Ion: 96 Resp: 62520
Ion Ratio Lower Upper
96 100
61 149.9 110.5 205.3
98 62.4 43.2 80.2

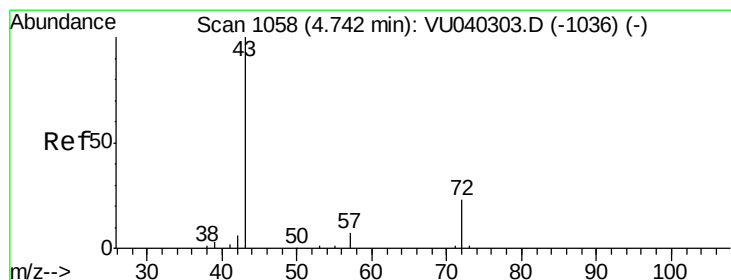
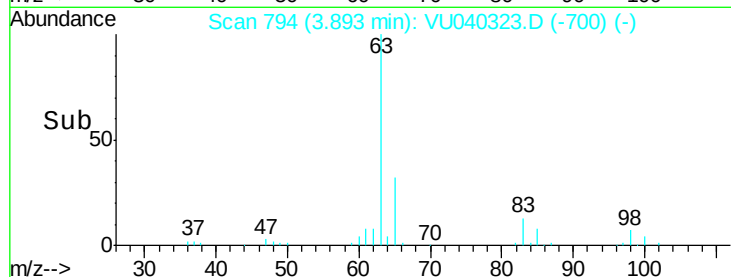
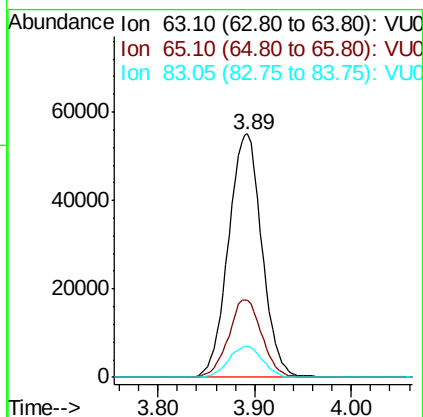
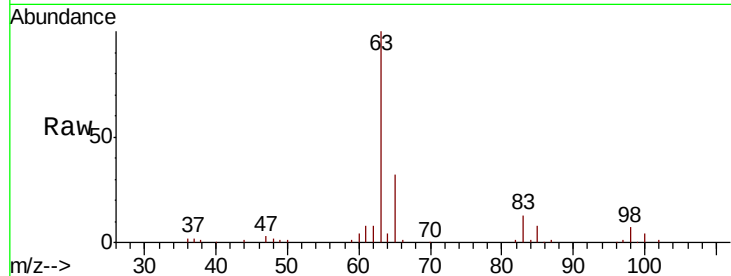




#19
 1,1-Dichloroethane
 Concen: 5.067 ug/L
 RT: 3.89 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VU040323.D
 Acq: 26 Sep 2020 01:12

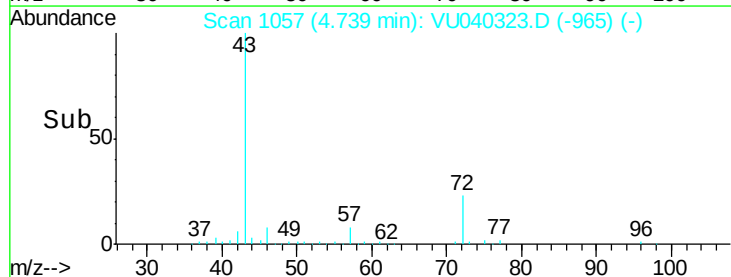
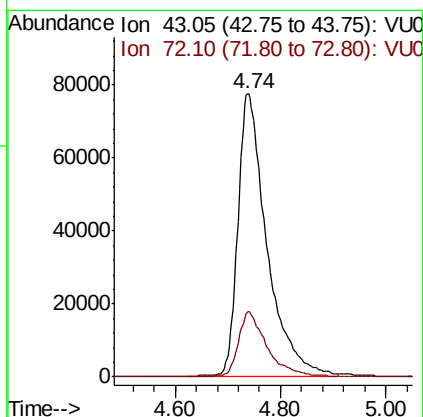
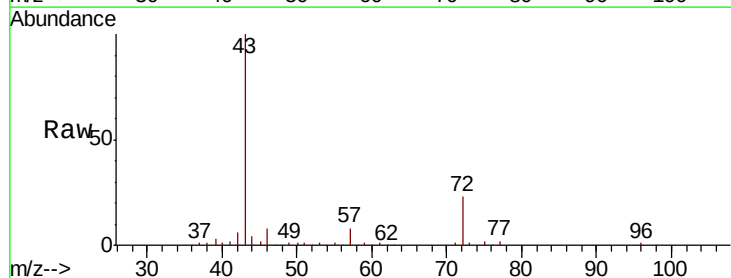
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

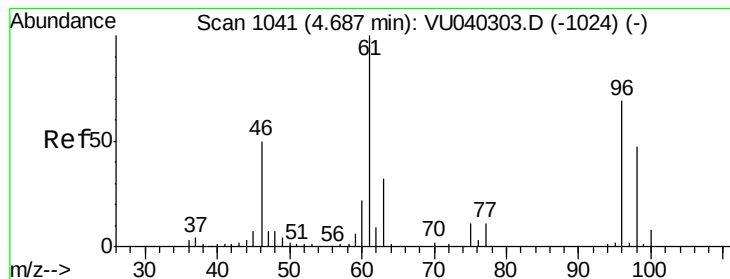
Tot Ion: 63 Resp: 132005
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.2 41.2
 83 12.9 9.4 17.6



#21
 2-Butanone
 Concen: 59.308 ug/L
 RT: 4.74 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VU040323.D
 Acq: 26 Sep 2020 01:12

Tgt Ion: 43 Resp: 297614
 Ion Ratio Lower Upper
 43 100
 72 22.6 11.7 35.0





#22

cis-1,2-Dichloroethene

Concen: 5.135 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU040323.D

Acq: 26 Sep 2020 01:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

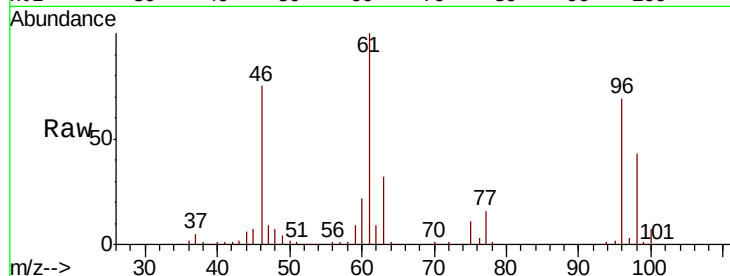
Tot Ion: 96 Resp: 69890

Ion Ratio Lower Upper

96 100

61 144.4 98.8 183.4

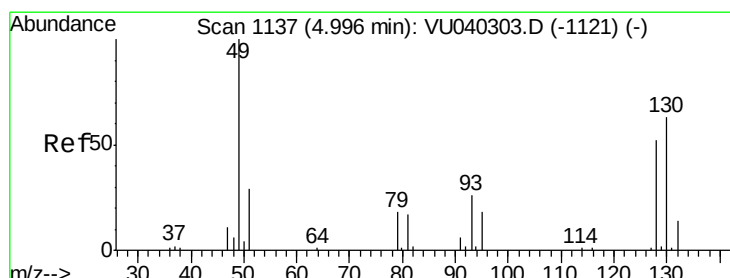
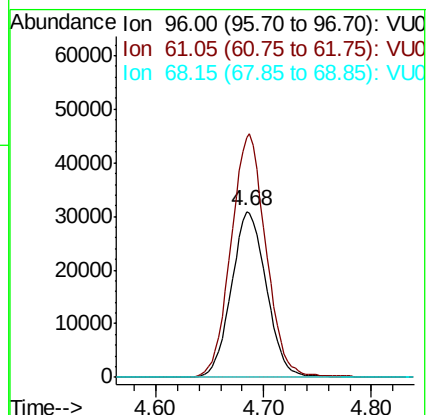
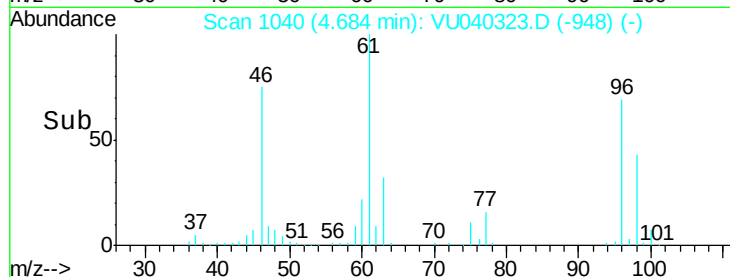
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040323.D (-1044) (-)

Ion 61.05 (60.75 to 61.75): VU040323.D (-1044) (-)

Ion 68.15 (67.85 to 68.85): VU040323.D (-1044) (-)



#23

Bromochloromethane

Concen: 5.367 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU040323.D

Acq: 26 Sep 2020 01:12

Tgt Ion: 128 Resp: 32001

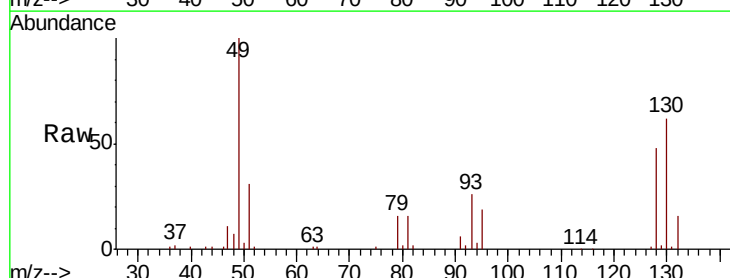
Ion Ratio Lower Upper

128 100

49 207.2 143.4 266.4

130 127.6 89.5 166.3

51 65.0 51.0 76.4

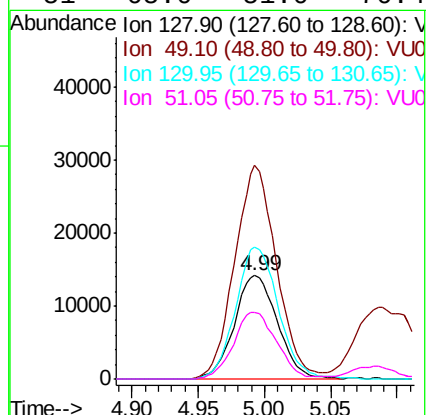
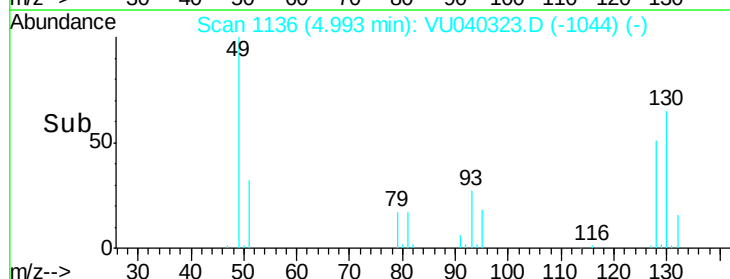


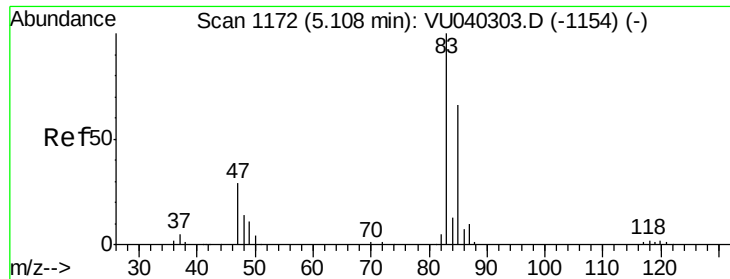
Abundance Ion 127.90 (127.60 to 128.60): VU040323.D (-1044) (-)

Ion 49.10 (48.80 to 49.80): VU040323.D (-1044) (-)

Ion 129.95 (129.65 to 130.65): VU040323.D (-1044) (-)

Ion 51.05 (50.75 to 51.75): VU040323.D (-1044) (-)

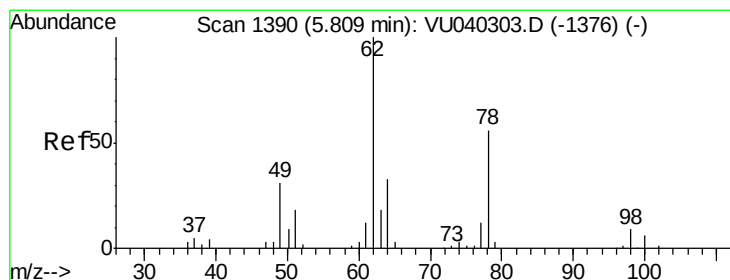
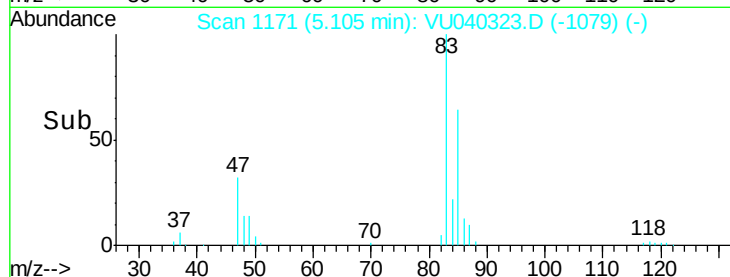
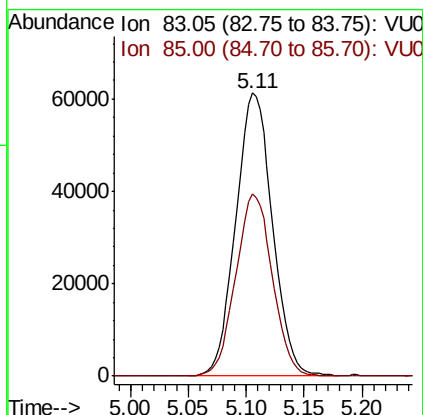
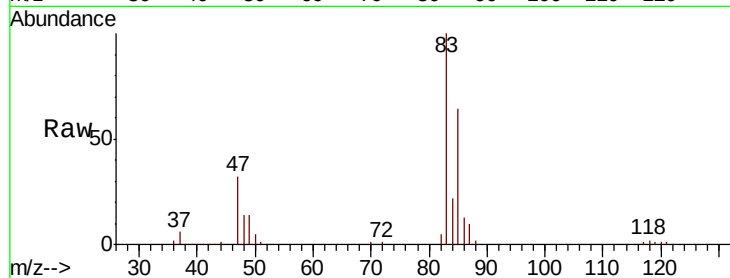




#25
Chloroform
Concen: 5.061 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040323.D
Acq: 26 Sep 2020 01:12

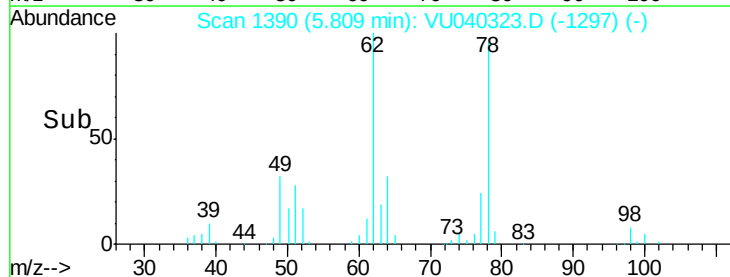
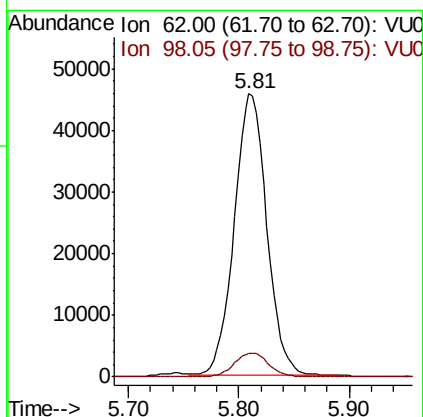
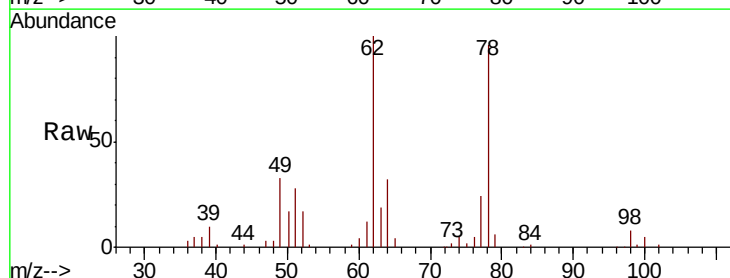
Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

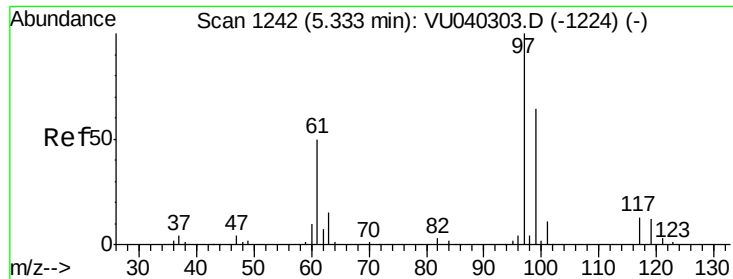
Tot Ion: 83 Resp: 135026
Ion Ratio Lower Upper
83 100
85 64.2 45.3 84.1



#27
1,2-Dichloroethane
Concen: 4.789 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU040323.D
Acq: 26 Sep 2020 01:12

Tgt Ion: 62 Resp: 93608
Ion Ratio Lower Upper
62 100
98 8.4 6.1 9.1

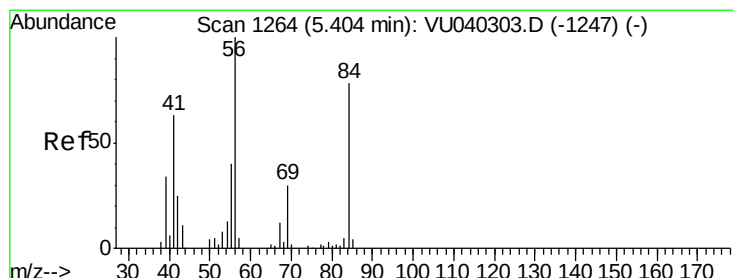
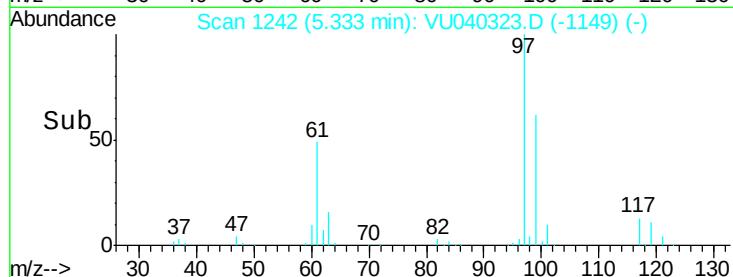
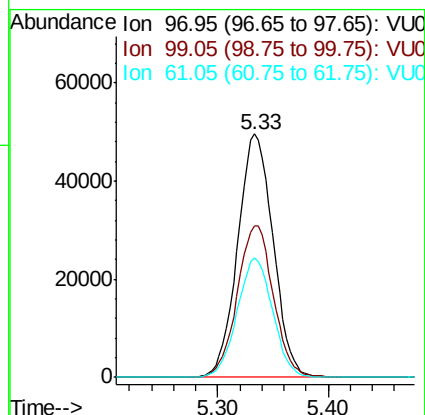
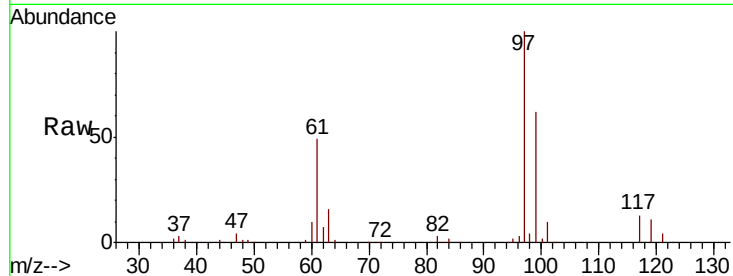




#29
 1,1,1-Trichloroethane
 Concen: 4.848 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VU040323.D
 Acq: 26 Sep 2020 01:12

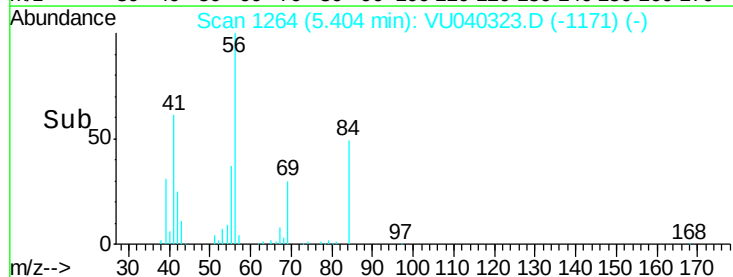
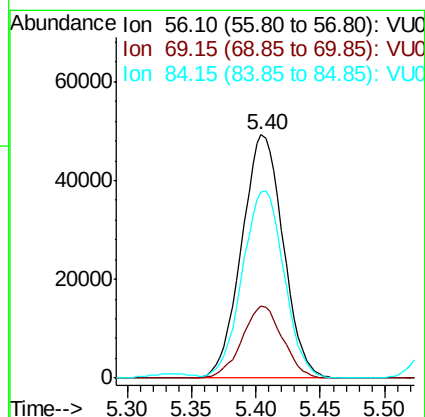
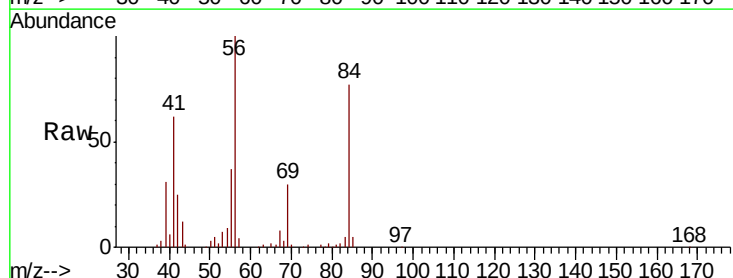
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

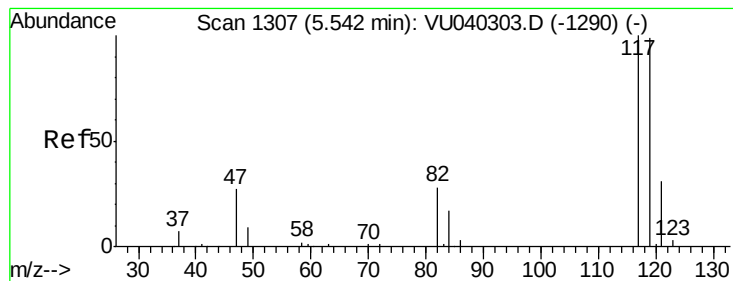
Tot Ion: 97 Resp: 110432
 Ion Ratio Lower Upper
 97 100
 99 63.4 50.9 76.3
 61 48.9 39.5 59.3



#30
 Cyclohexane
 Concen: 5.015 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU040323.D
 Acq: 26 Sep 2020 01:12

Tgt Ion: 56 Resp: 110792
 Ion Ratio Lower Upper
 56 100
 69 28.8 24.1 36.1
 84 77.5 65.0 97.4





#31

Carbon tetrachloride

Concen: 4.768 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VU040323.D

Acq: 26 Sep 2020 01:12

Instrument :

MSVOA_U

ClientSampleId :

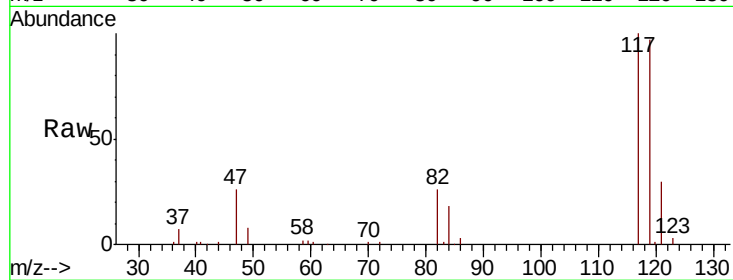
VSTD00521

Tot Ion:117 Resp: 92950

Ion Ratio Lower Upper

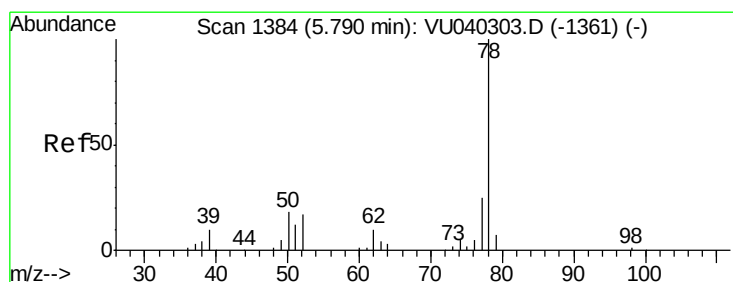
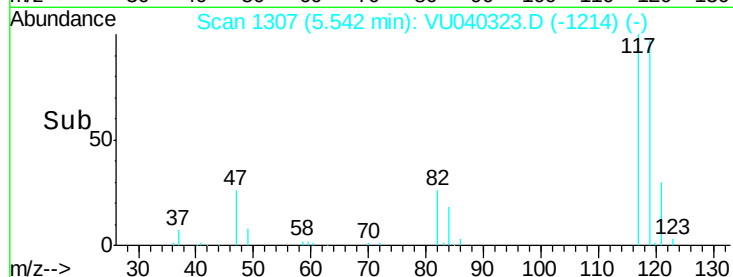
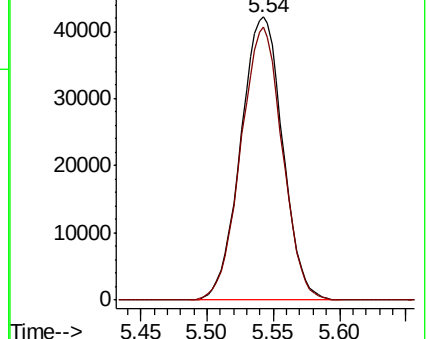
117 100

119 95.2 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: 5.271 ug/L

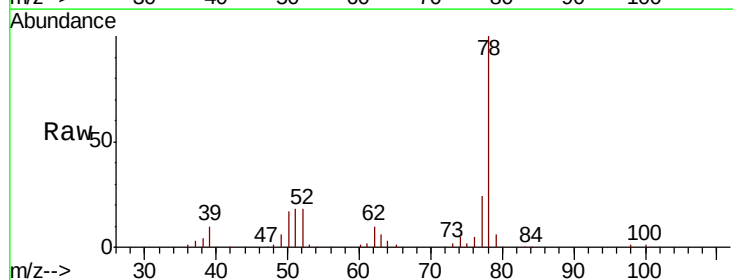
RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

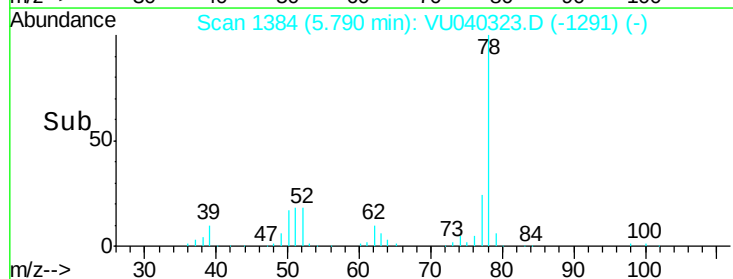
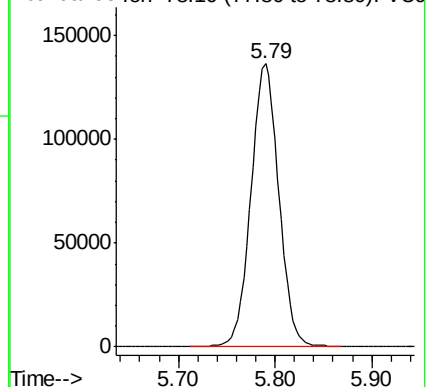
Lab File: VU040323.D

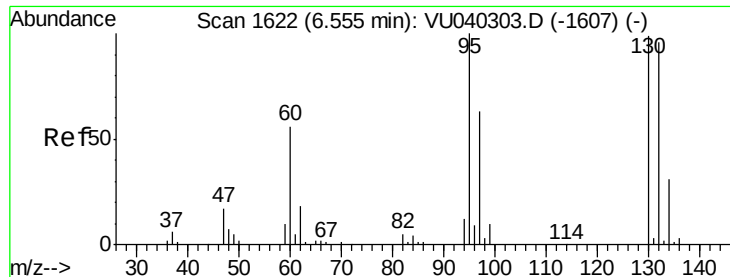
Acq: 26 Sep 2020 01:12

Tgt Ion: 78 Resp: 273589



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.946 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU040323.D

Acq: 26 Sep 2020 01:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

Tot Ion: 95 Resp: 68862

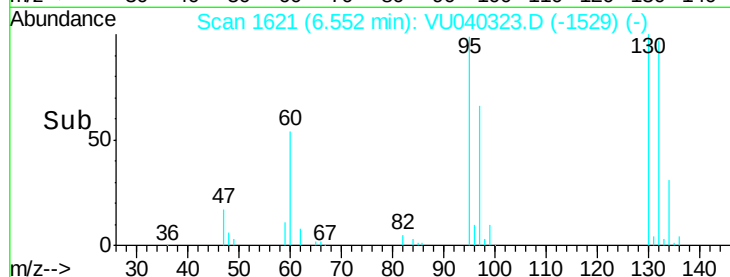
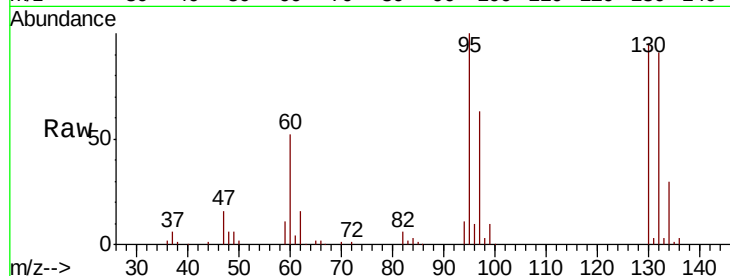
Ion Ratio Lower Upper

95 100

97 62.6 43.3 80.5

132 91.5 59.4 110.4

130 94.8 64.8 120.4

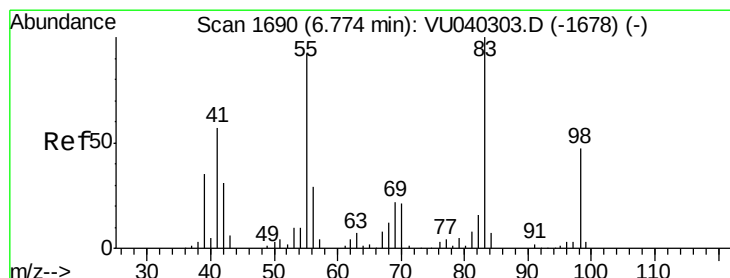
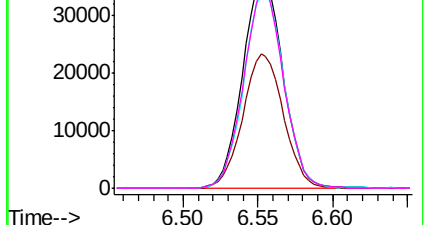


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.591 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VU040323.D

Acq: 26 Sep 2020 01:12

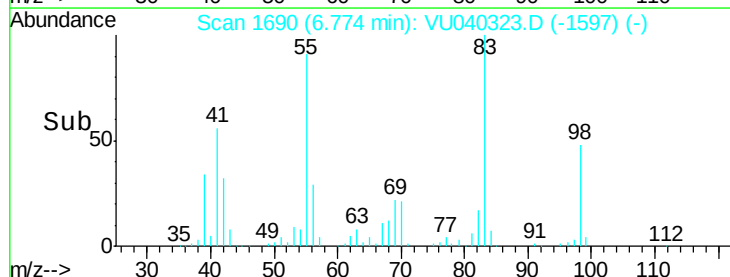
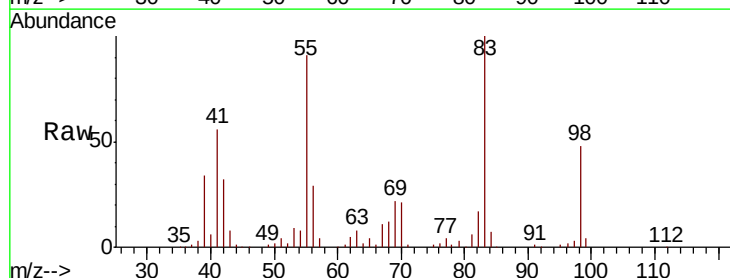
Tgt Ion: 83 Resp: 97877

Ion Ratio Lower Upper

83 100

55 89.5 70.5 105.7

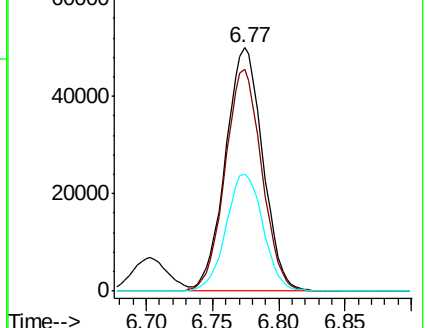
98 47.6 37.8 56.6

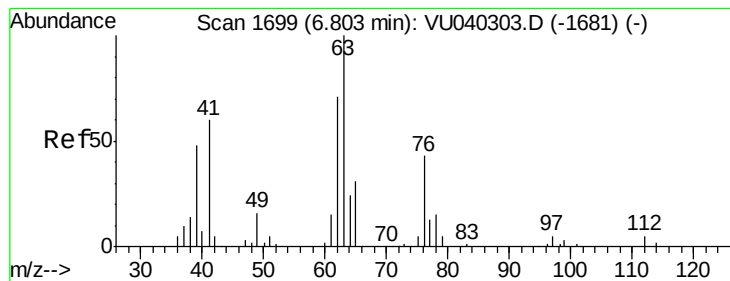


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 5.435 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VU040323.D

Acq: 26 Sep 2020 01:12

Instrument :

MSVOA_U

ClientSampled :

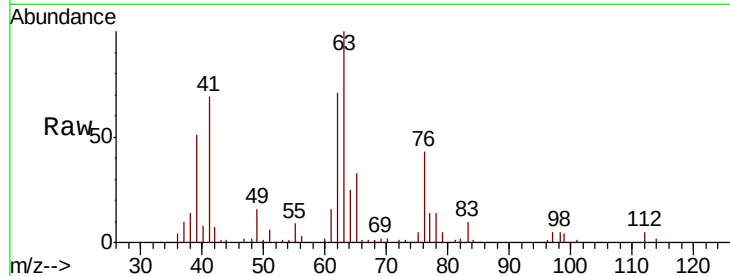
VSTD00521

Tot Ion: 63 Resp: 76378

Ion Ratio Lower Upper

63 100

112 4.1 3.2 4.8



Abundance Ion 63.10 (62.80 to 63.80): VU040323.D (-1681) (-)

Ion 112.10 (111.80 to 112.80): VU040323.D (-1681) (-)

6.80

40000

30000

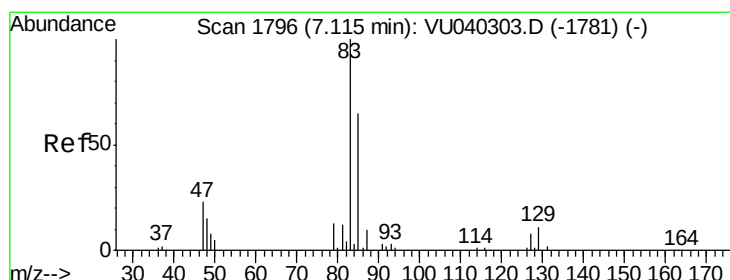
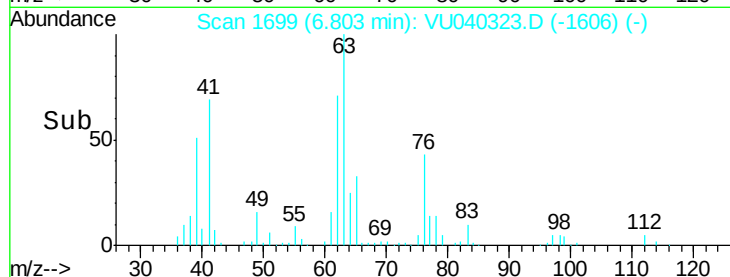
20000

10000

0

6.70 6.80 6.90

Time-->



#38

Bromodichloromethane

Concen: 5.027 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VU040323.D

Acq: 26 Sep 2020 01:12

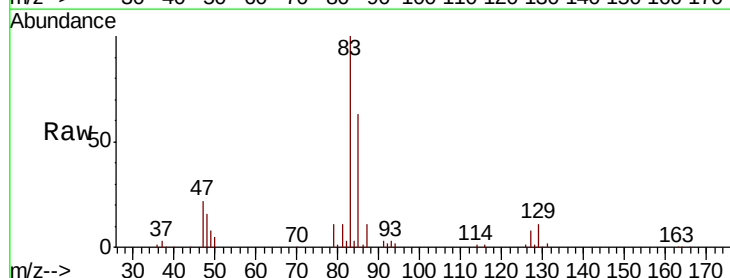
Tgt Ion: 83 Resp: 96444

Ion Ratio Lower Upper

83 100

85 63.1 45.1 83.9

127 7.7 6.7 10.1



Abundance Ion 82.95 (82.65 to 83.65): VU040323.D (-1781) (-)

Ion 85.00 (84.70 to 85.70): VU040323.D (-1781) (-)

Ion 126.90 (126.60 to 127.60): VU040323.D (-1781) (-)

7.11

60000

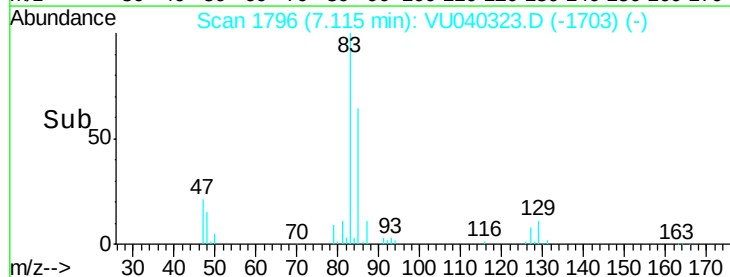
40000

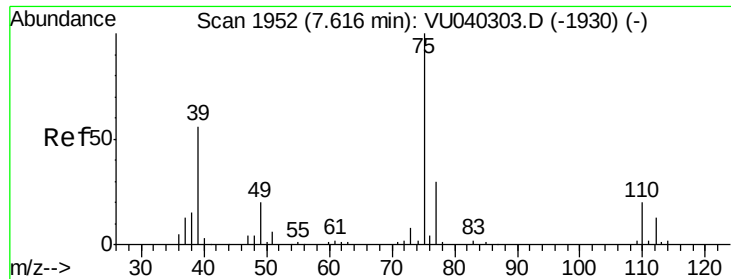
20000

0

7.05 7.10 7.15 7.20

Time-->

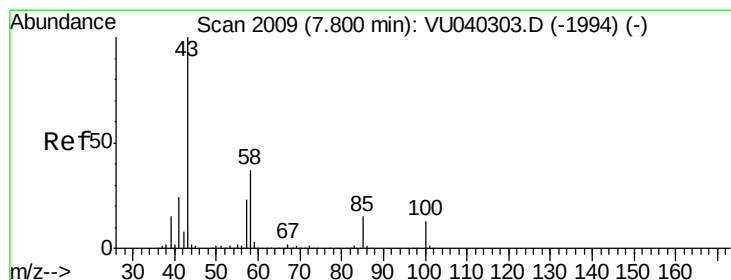
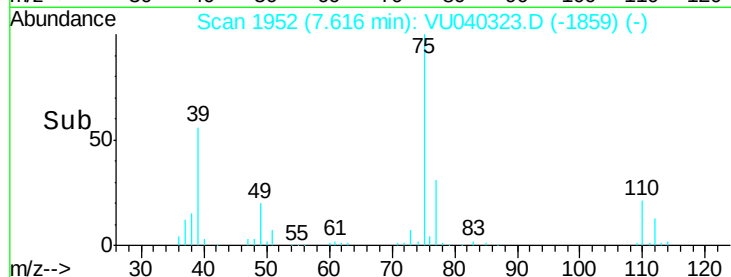
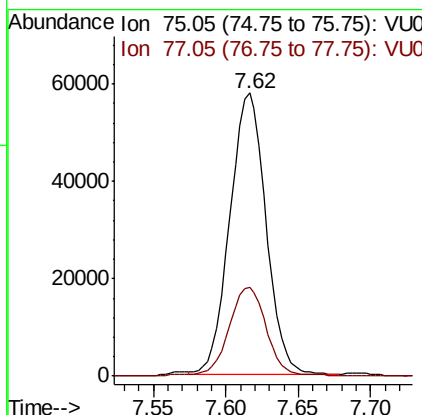
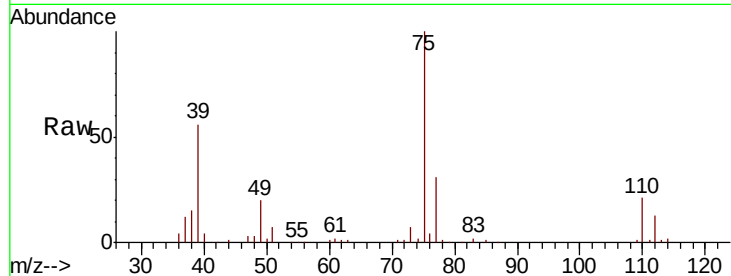




#39
 cis-1,3-Dichloropropene
 Concen: 4.819 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU040323.D
 Acq: 26 Sep 2020 01:12

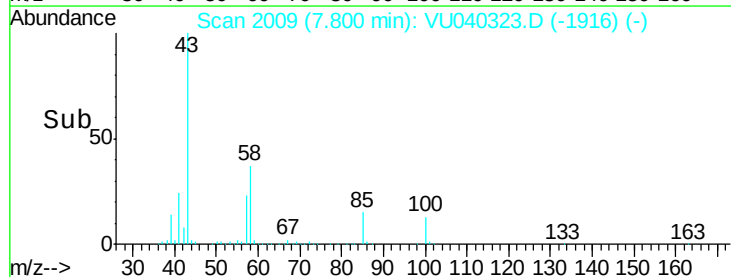
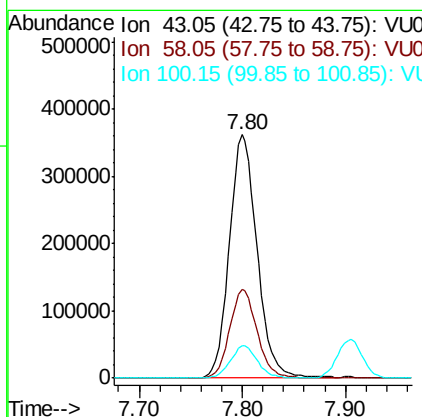
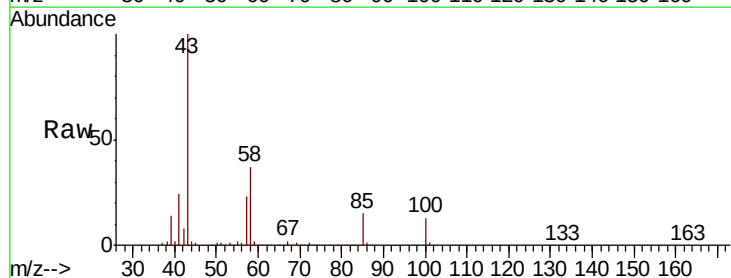
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

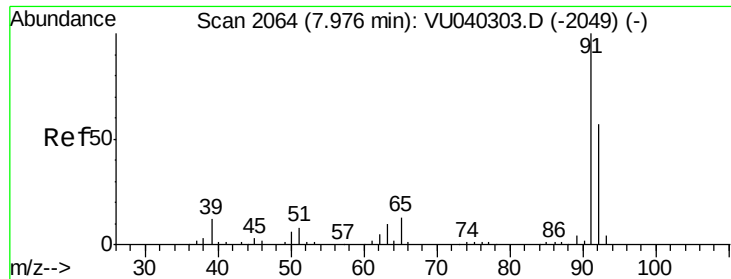
Tot Ion: 75 Resp: 99880
 Ion Ratio Lower Upper
 75 100
 77 31.3 21.1 39.3



#40
 4-Methyl-2-pentanone
 Concen: 58.672 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU040323.D
 Acq: 26 Sep 2020 01:12

Tgt Ion: 43 Resp: 676556
 Ion Ratio Lower Upper
 43 100
 58 36.2 28.7 43.1
 100 13.0 10.2 15.2





#42

Toluene

Concen: 5.290 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU040323.D

Acq: 26 Sep 2020 01:12

Instrument :

MSVOA_U

ClientSampleId :

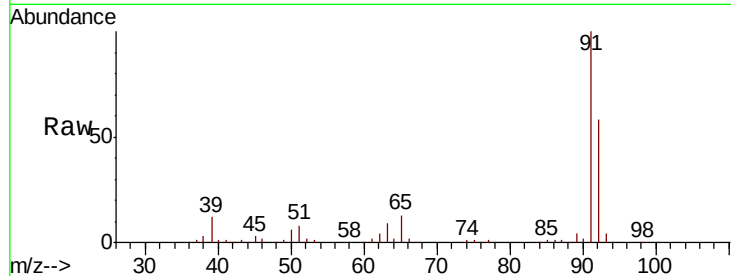
VSTD00521

Tot Ion: 91 Resp: 282757

Ion Ratio Lower Upper

91 100

92 58.0 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.98

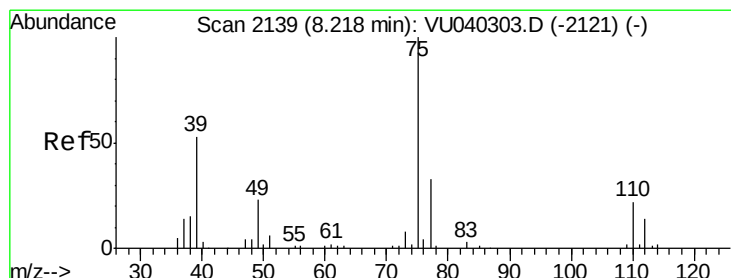
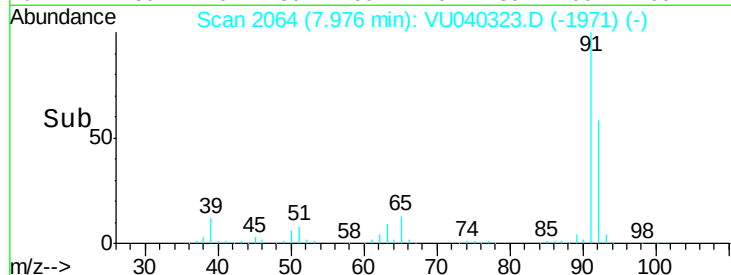
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.963 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040323.D

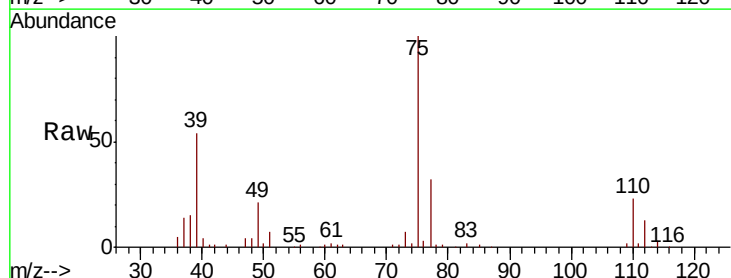
Acq: 26 Sep 2020 01:12

Tgt Ion: 75 Resp: 95316

Ion Ratio Lower Upper

75 100

77 32.4 23.9 44.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.21

60000

50000

40000

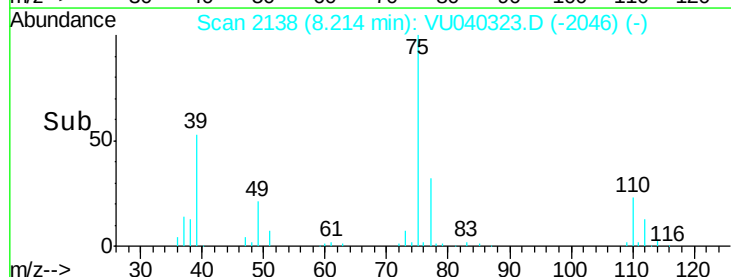
30000

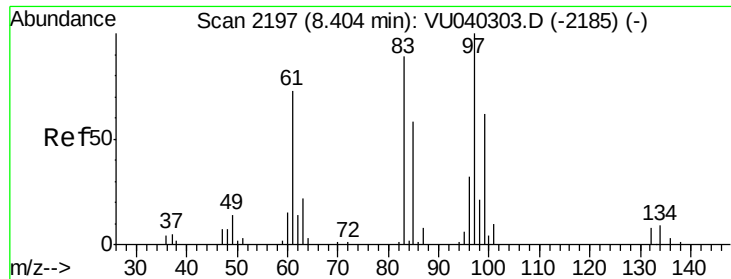
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.422 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VU040323.D

Acq: 26 Sep 2020 01:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

Tot Ion: 97 Resp: 55510

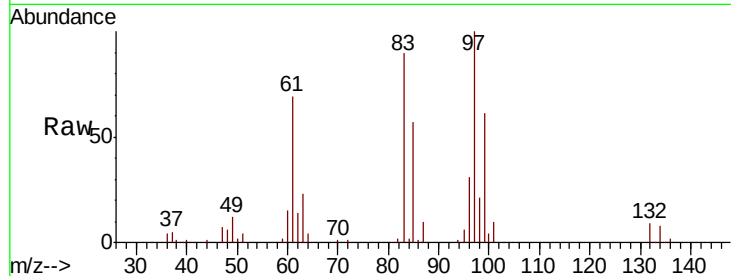
Ion Ratio Lower Upper

97 100

99 61.4 43.0 79.8

83 90.1 61.7 114.7

85 57.3 39.3 73.1

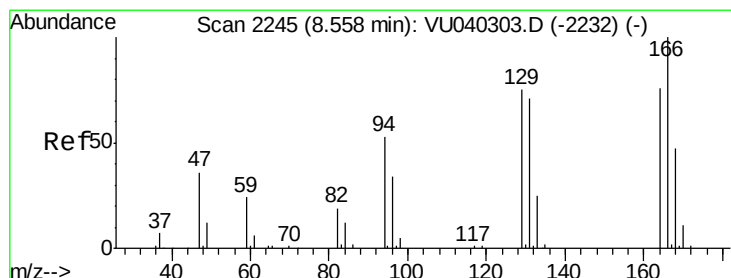
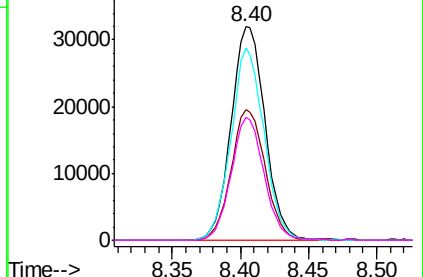
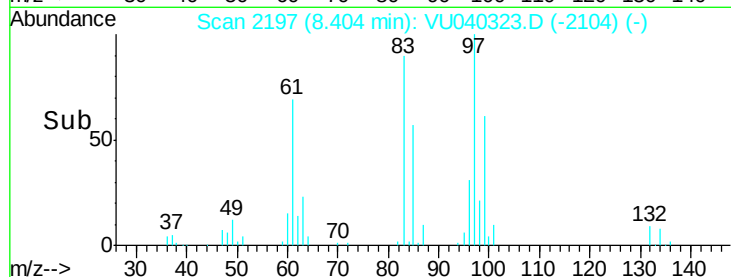


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 5.020 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VU040323.D

Acq: 26 Sep 2020 01:12

Tgt Ion: 164 Resp: 45908

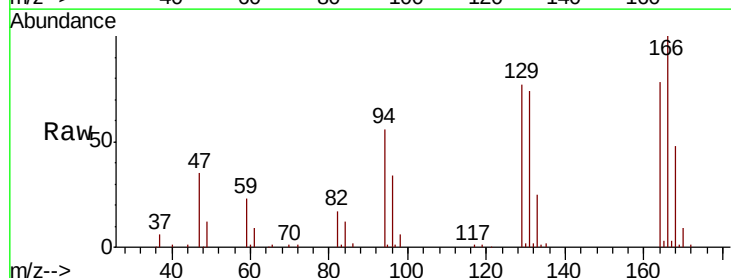
Ion Ratio Lower Upper

164 100

129 98.7 71.5 132.7

131 95.3 65.9 122.5

166 128.5 87.3 162.1

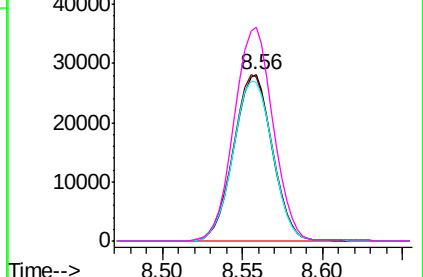
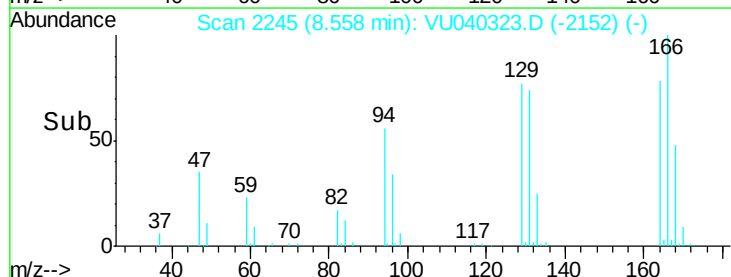


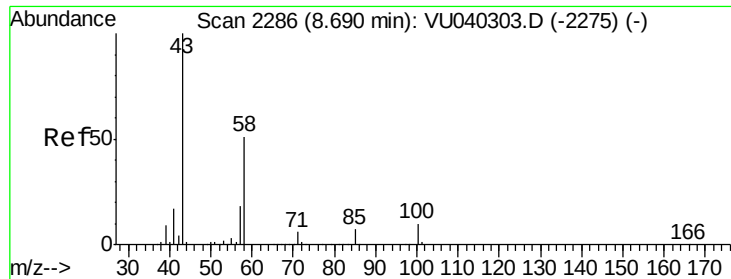
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

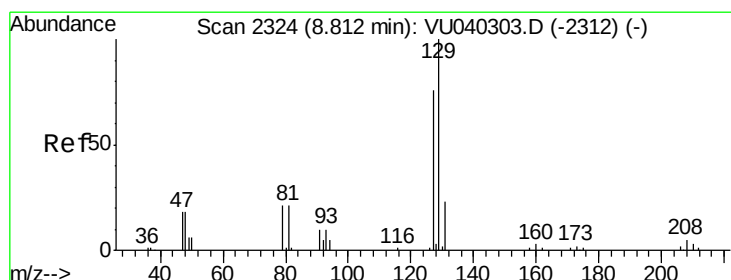
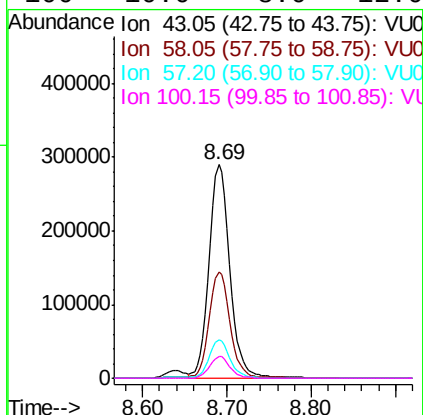
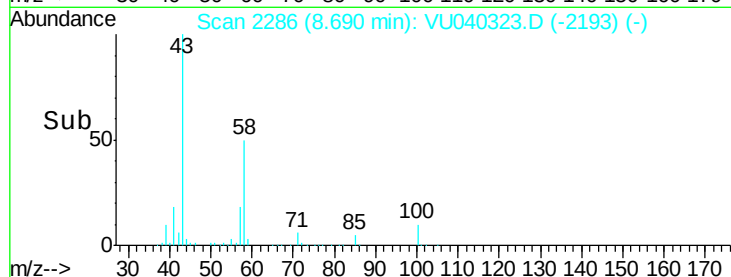
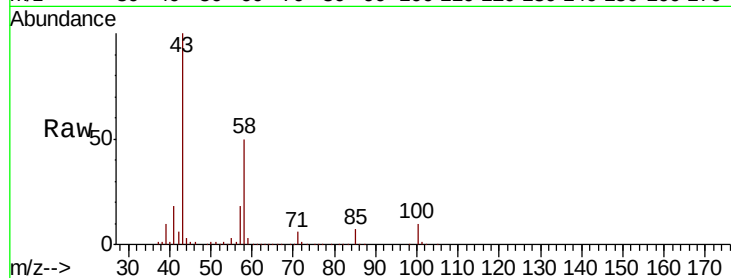




#48
2-Hexanone
Concen: 59.134 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU040323.D
Acq: 26 Sep 2020 01:12

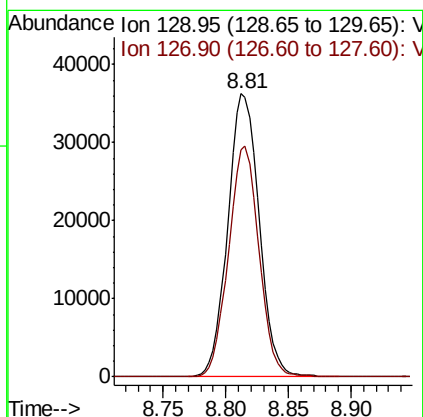
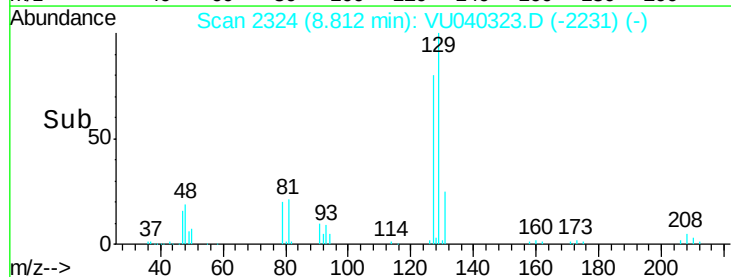
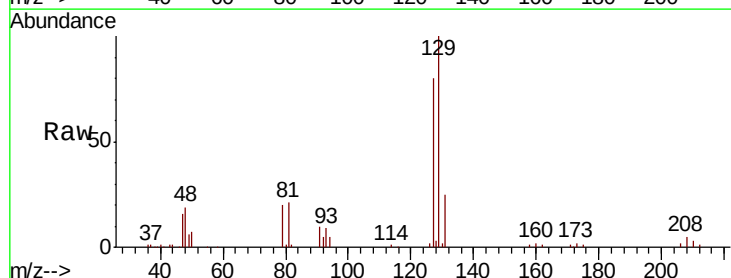
Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

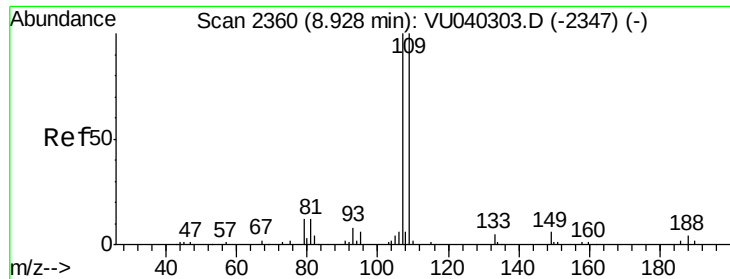
Tot Ion: 43 Resp: 497388
Ion Ratio Lower Upper
43 100
58 50.7 39.6 59.4
57 18.0 14.3 21.5
100 10.0 8.0 12.0



#49
Dibromochloromethane
Concen: 5.138 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU040323.D
Acq: 26 Sep 2020 01:12

Tgt Ion: 129 Resp: 63139
Ion Ratio Lower Upper
129 100
127 80.0 53.7 99.7

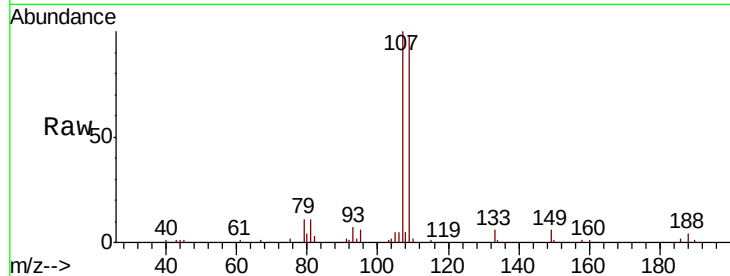




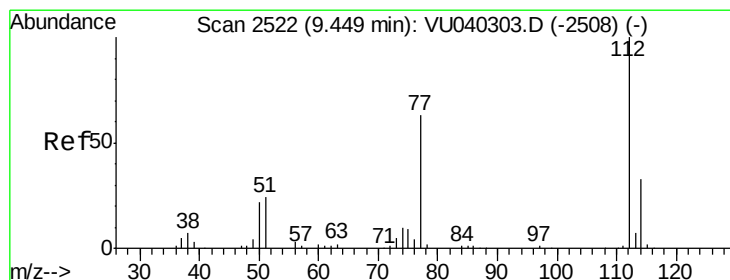
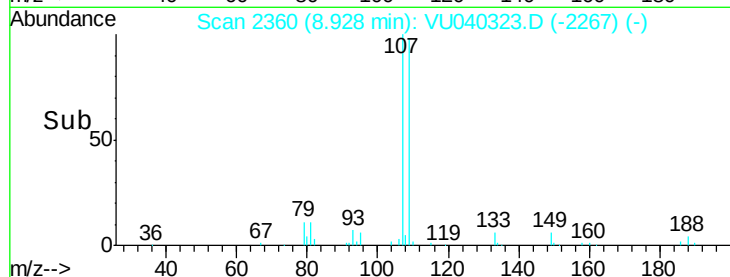
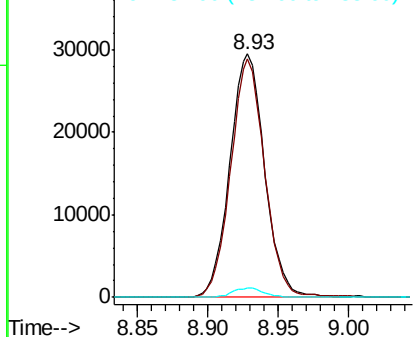
#50
 1,2-Dibromoethane
 Concen: 5.160 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU040323.D
 Acq: 26 Sep 2020 01:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.9	62.4	115.8
188	3.7	2.3	3.5#

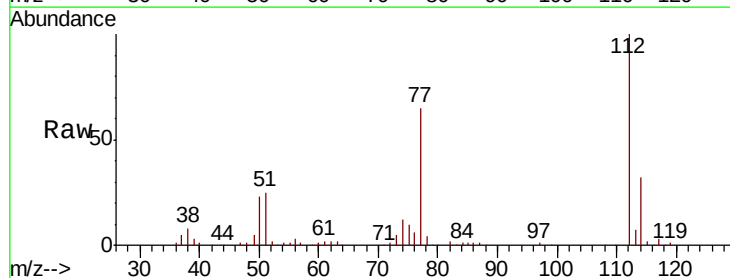


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

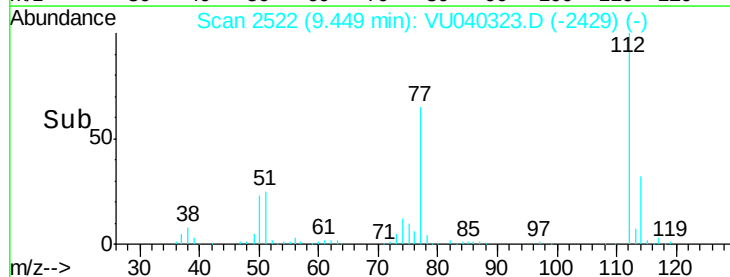
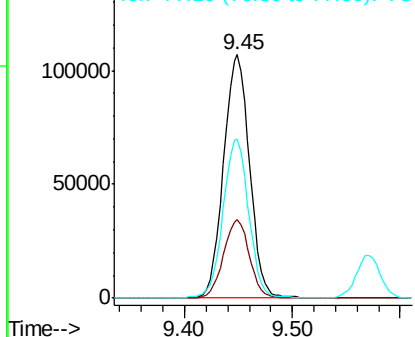


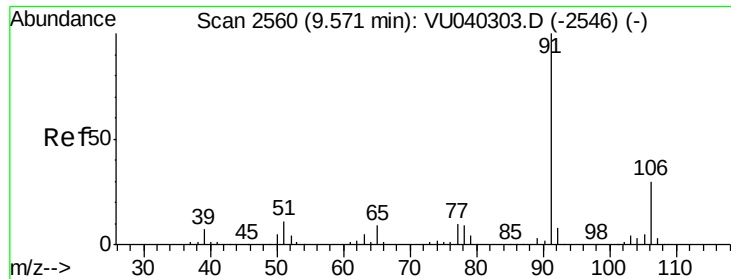
#51
 Chlorobenzene
 Concen: 5.400 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU040323.D
 Acq: 26 Sep 2020 01:12

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.7	42.3
77	65.4	53.2	79.8



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): V





#52

Ethylbenzene

Concen: 5.081 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040323.D

Acq: 26 Sep 2020 01:12

Instrument :

MSVOA_U

ClientSampleId :

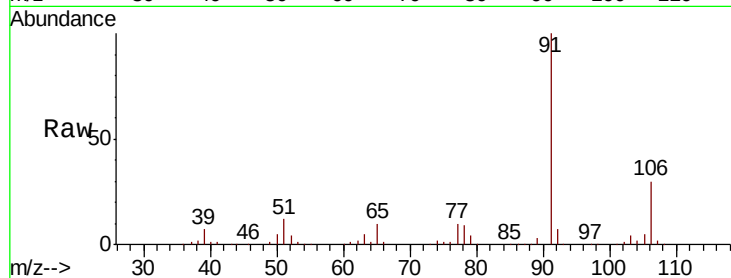
VSTD00521

Tot Ion: 91 Resp: 308598

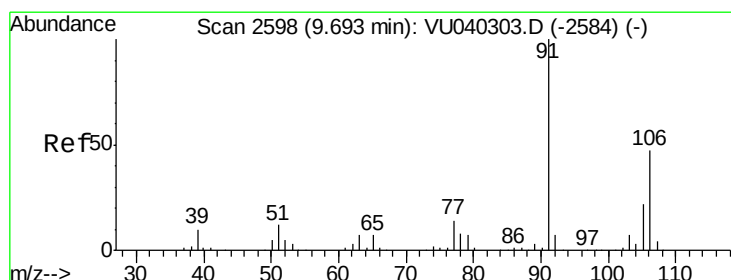
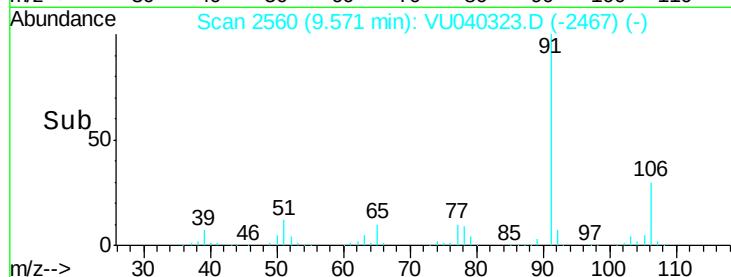
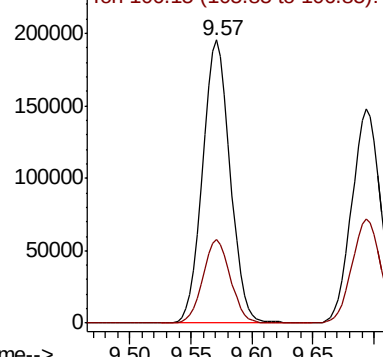
Ion Ratio Lower Upper

91 100

106 29.5 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU040323.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.469 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040323.D

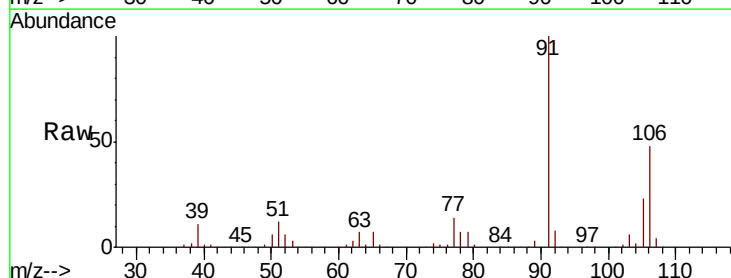
Acq: 26 Sep 2020 01:12

Tgt Ion: 106 Resp: 118255

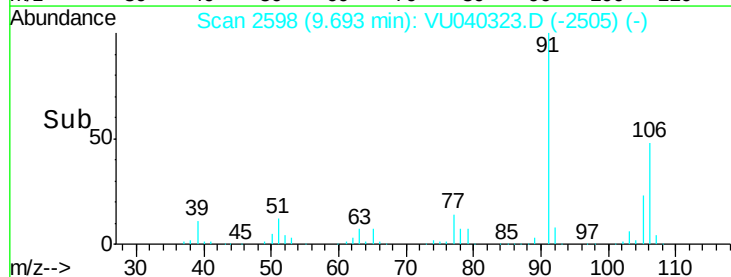
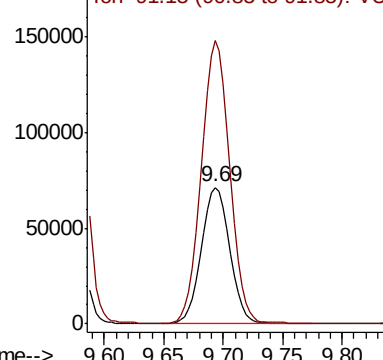
Ion Ratio Lower Upper

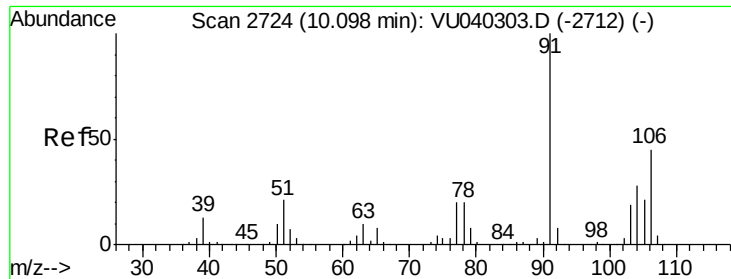
106 100

91 206.9 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): VU040323.D (-2584) (-)

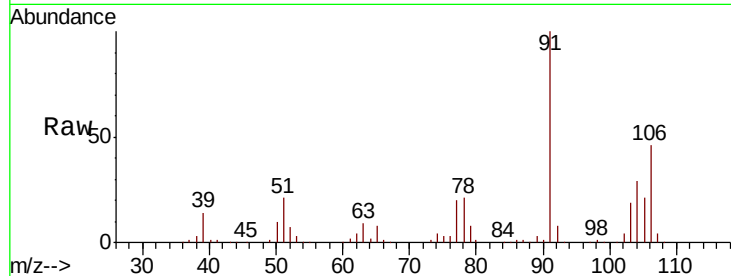




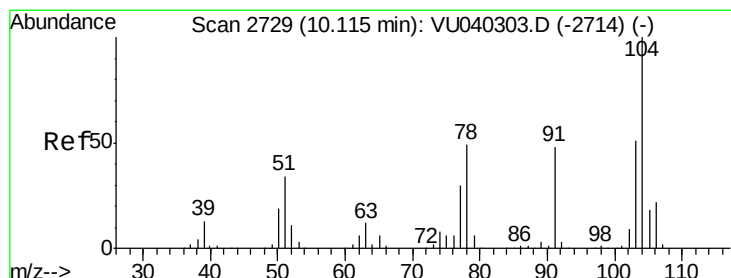
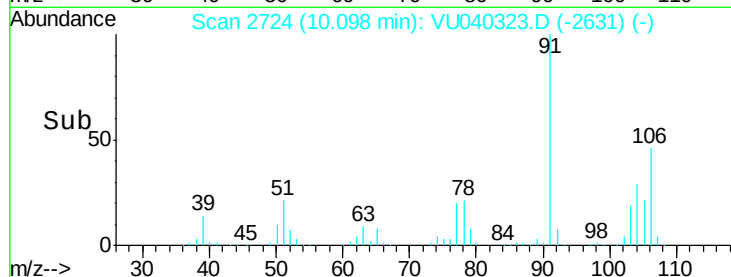
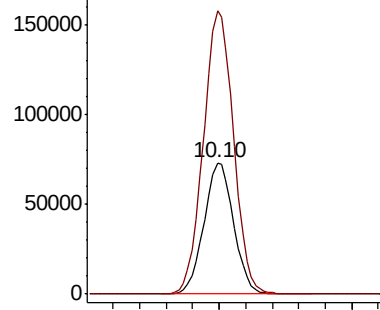
#54
o-Xylene
Concen: 5.510 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU040323.D
Acq: 26 Sep 2020 01:12

Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

Tot Ion:106 Resp: 113530
Ion Ratio Lower Upper
106 100
91 216.0 160.8 298.6

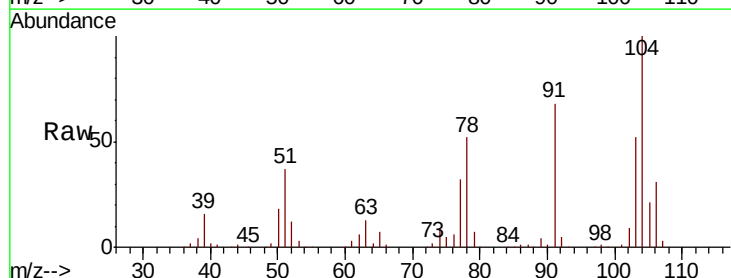


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

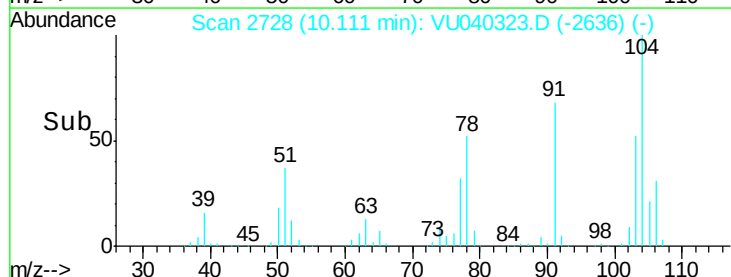
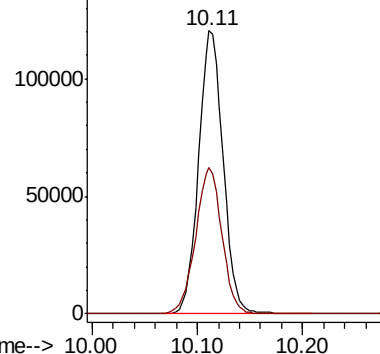


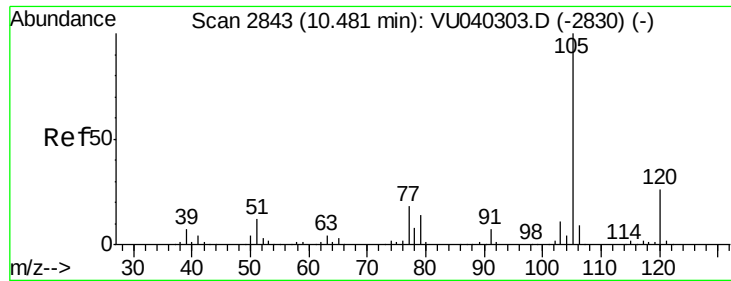
#55
Styrene
Concen: 5.384 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. -0.00 min
Lab File: VU040323.D
Acq: 26 Sep 2020 01:12

Tgt Ion:104 Resp: 192915
Ion Ratio Lower Upper
104 100
78 51.8 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: 5.372 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040323.D

Acq: 26 Sep 2020 01:12

Instrument :

MSVOA_U

ClientSampled :

VSTD00521

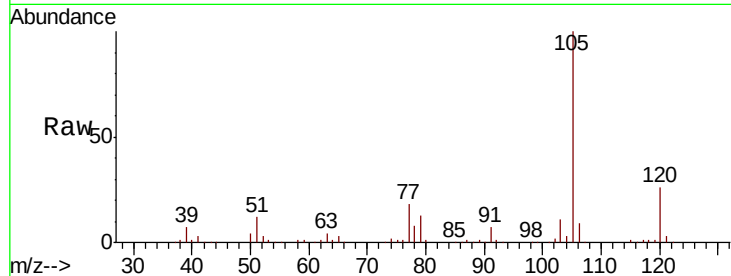
Tot Ion:105 Resp: 301890

Ion Ratio Lower Upper

105 100

120 25.7 20.1 30.1

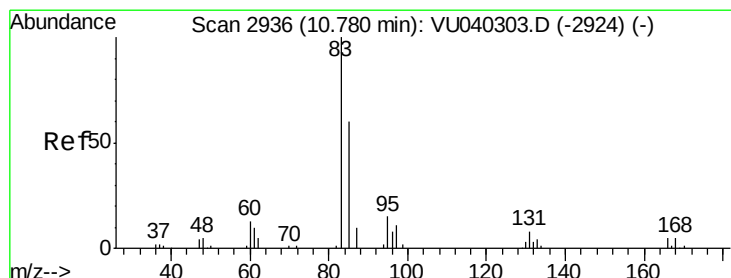
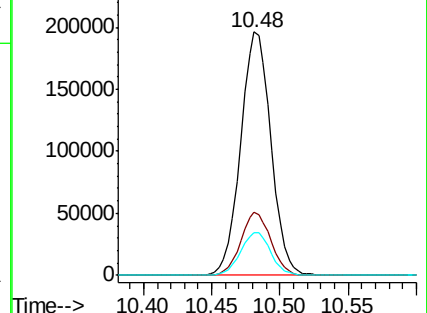
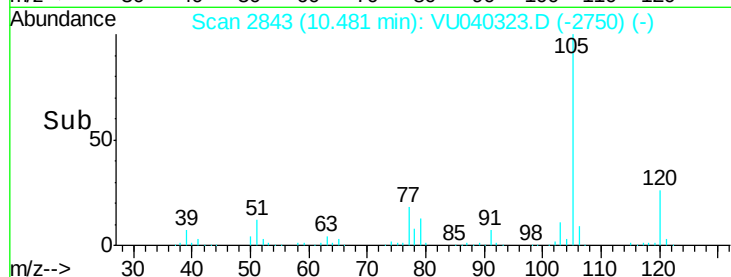
77 17.5 14.4 21.6



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: 5.500 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040323.D

Acq: 26 Sep 2020 01:12

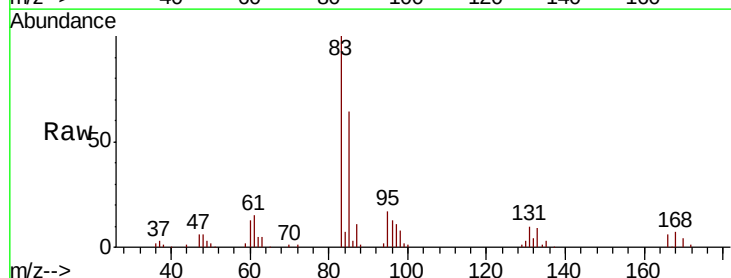
Tgt Ion: 83 Resp: 72209

Ion Ratio Lower Upper

83 100

85 63.5 44.9 83.3

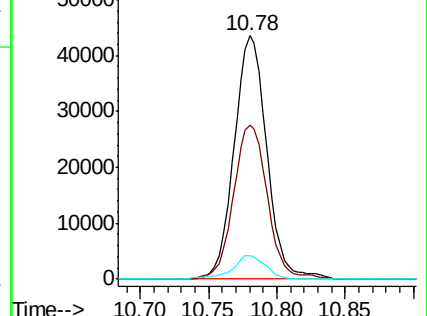
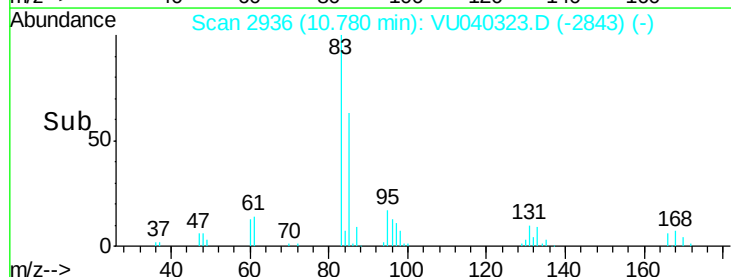
131 9.8 7.4 11.0

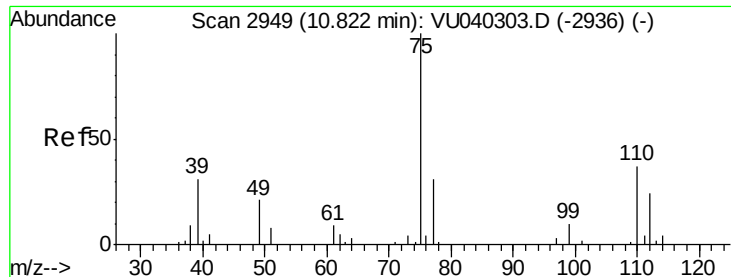


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.373 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU040323.D

Acq: 26 Sep 2020 01:12

Instrument :

MSVOA_U

ClientSampleId :

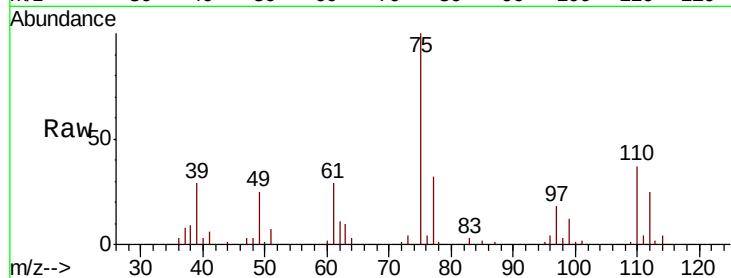
VSTD00521

Tot Ion: 75 Resp: 55949

Ion Ratio Lower Upper

75 100

77 31.8 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VU040323.D (-2936) (-)

Ion 77.00 (76.70 to 77.70): VU040323.D (-2936) (-)

10.82

40000

30000

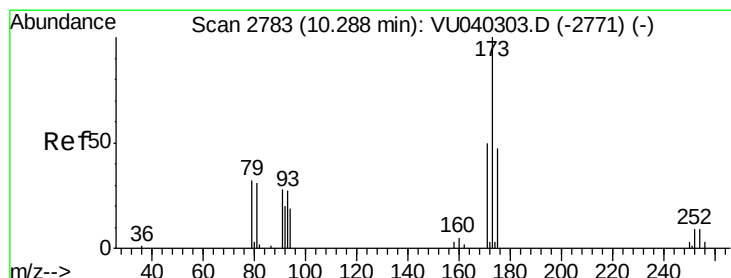
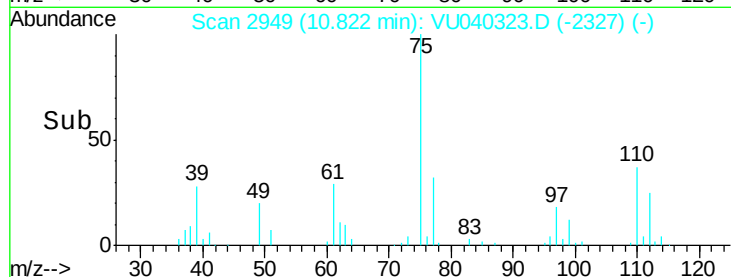
20000

10000

0

Time-->

10.75 10.80 10.85 10.90



#61

Bromoform

Concen: 5.279 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU040323.D

Acq: 26 Sep 2020 01:12

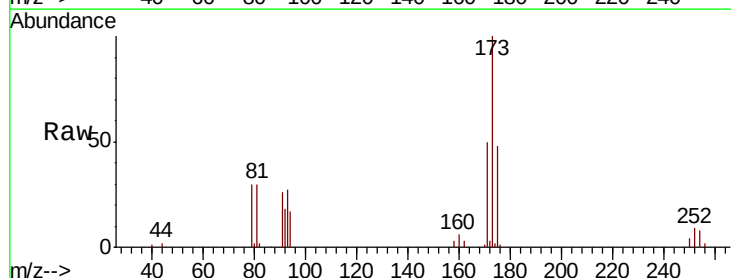
Tgt Ion: 173 Resp: 34926

Ion Ratio Lower Upper

173 100

175 47.9 37.8 56.6

254 7.7 6.8 10.2



Abundance Ion 172.90 (172.60 to 173.60): VU040323.D (-2771) (-)

Ion 174.90 (174.60 to 175.60): VU040323.D (-2771) (-)

Ion 253.75 (253.45 to 254.45): VU040323.D (-2771) (-)

10.29

25000

20000

15000

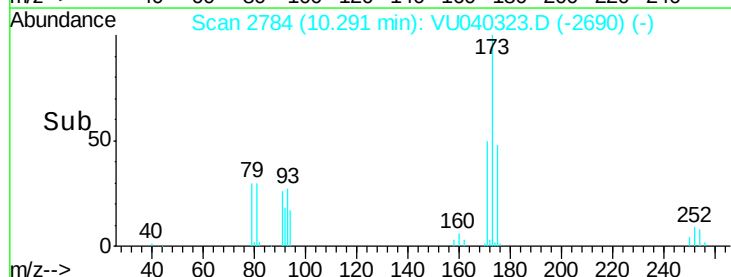
10000

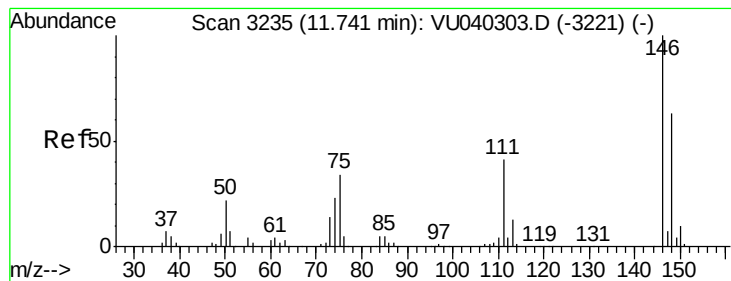
5000

0

Time-->

10.20 10.25 10.30 10.35





#62

1,3-Dichlorobenzene

Concen: 5.308 ug/L

RT: 11.74 min Scan# 3234

Delta R.T. -0.00 min

Lab File: VU040323.D

Acq: 26 Sep 2020 01:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

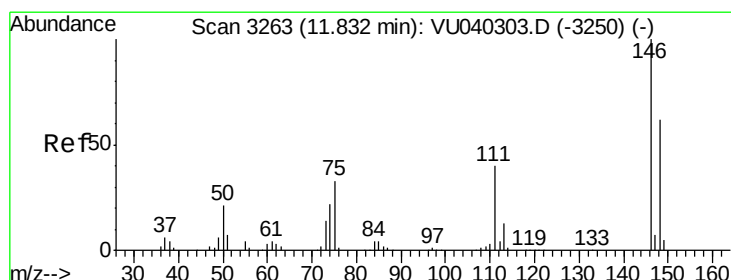
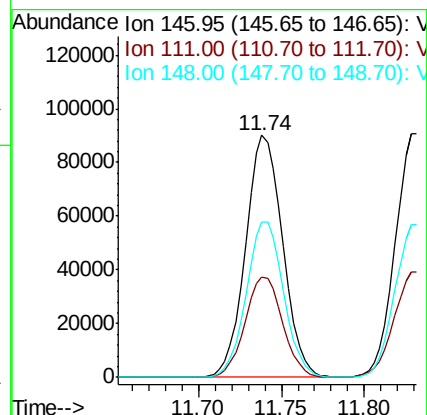
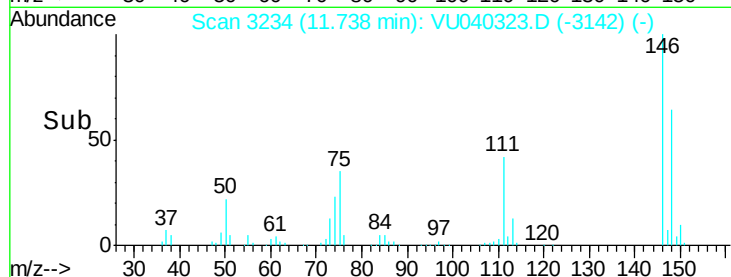
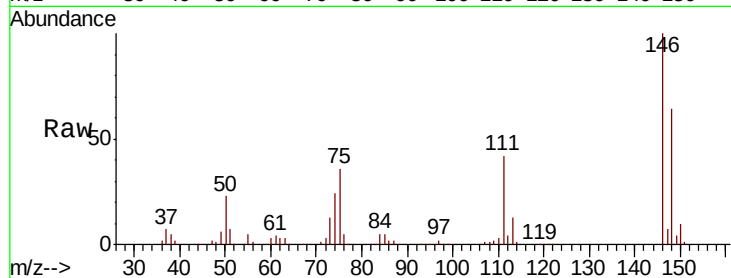
Tot Ion:146 Resp: 139952

Ion Ratio Lower Upper

146 100

111 41.7 31.6 58.8

148 64.4 44.2 82.0



#63

1,4-Dichlorobenzene

Concen: 5.335 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU040323.D

Acq: 26 Sep 2020 01:12

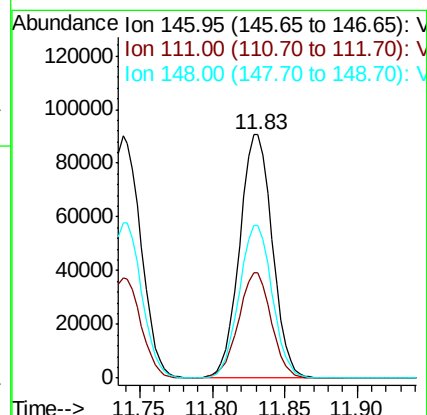
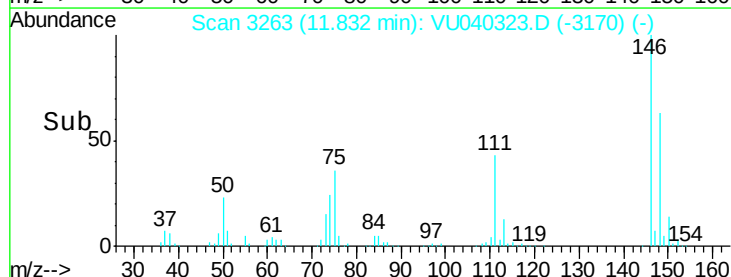
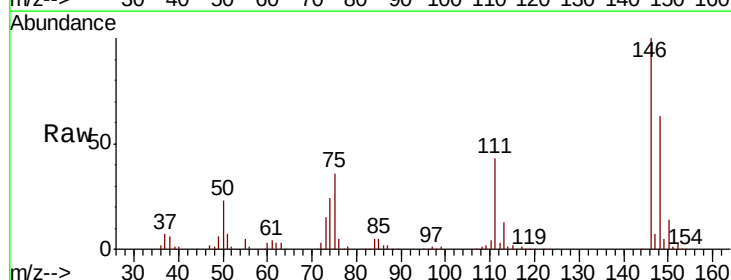
Tgt Ion:146 Resp: 142341

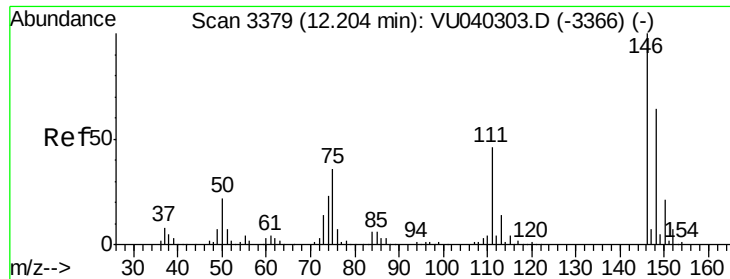
Ion Ratio Lower Upper

146 100

111 43.0 30.5 56.7

148 62.6 45.4 84.4

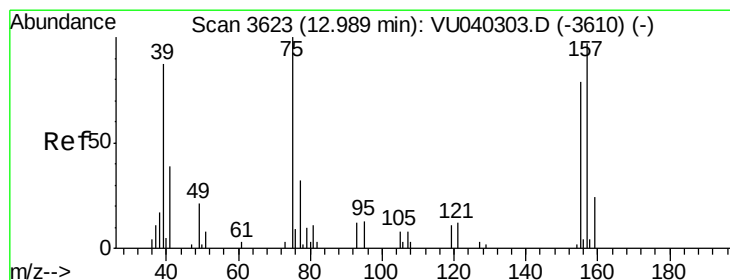
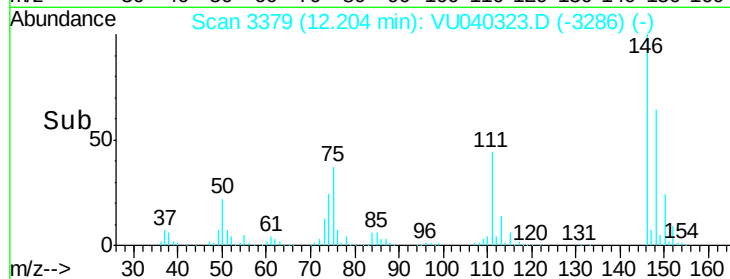
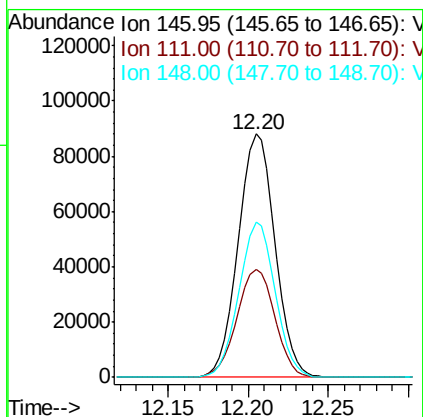
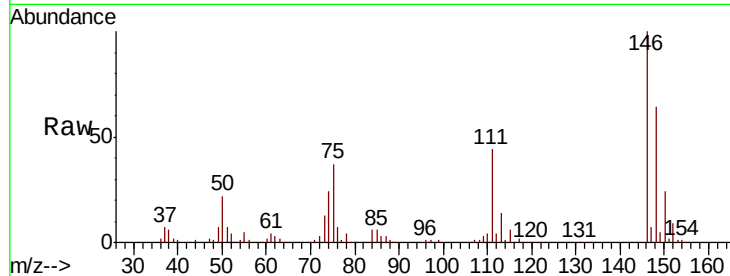




#65
 1,2-Dichlorobenzene
 Concen: 5.394 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU040323.D
 Acq: 26 Sep 2020 01:12

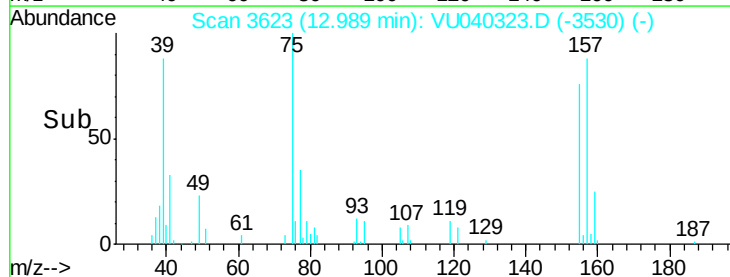
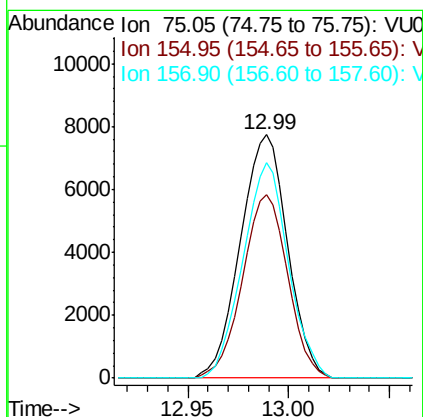
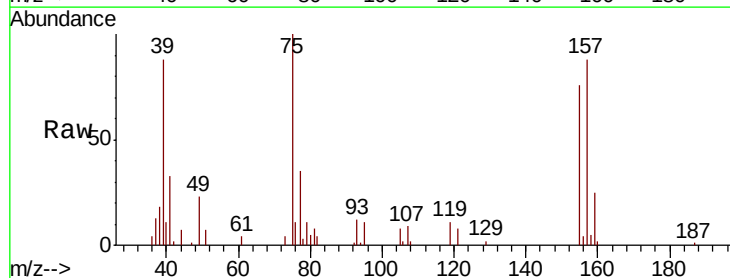
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

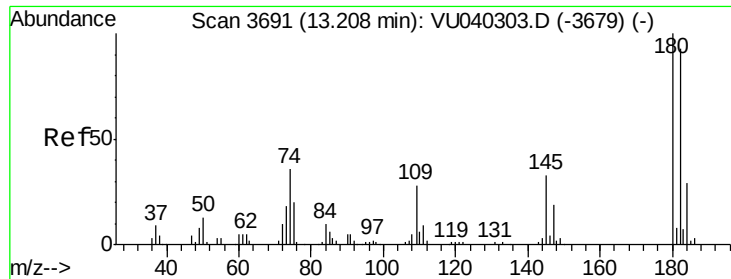
Tot Ion:146 Resp: 137617
 Ion Ratio Lower Upper
 146 100
 111 44.4 36.5 54.7
 148 63.5 48.6 72.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.641 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU040323.D
 Acq: 26 Sep 2020 01:12

Tgt Ion: 75 Resp: 12664
 Ion Ratio Lower Upper
 75 100
 155 75.5 54.6 82.0
 157 88.3 75.6 113.4

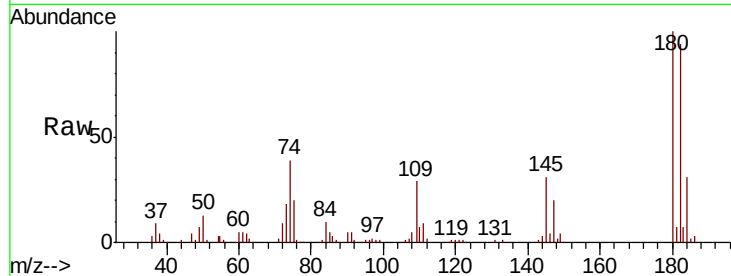




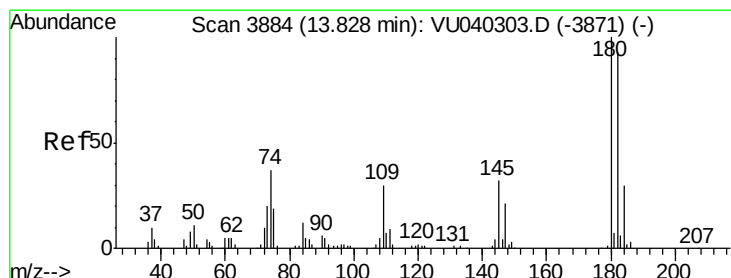
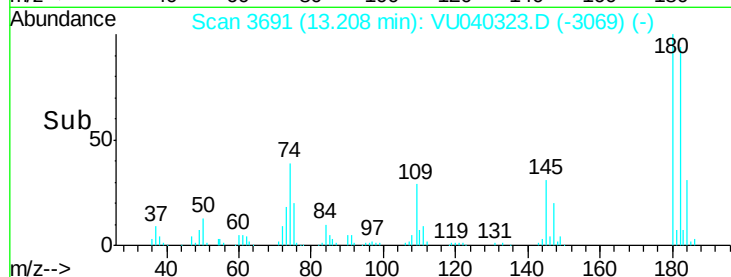
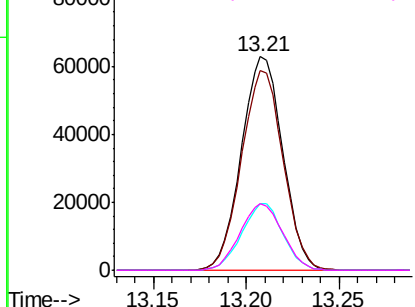
#67
 1,3,5-Trichlorobenzene
 Concen: 5.246 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU040323.D
 Acq: 26 Sep 2020 01:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Tot Ion:180 Resp: 97261
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.9 115.3
 184 31.1 24.6 36.8
 145 32.0 27.0 40.6

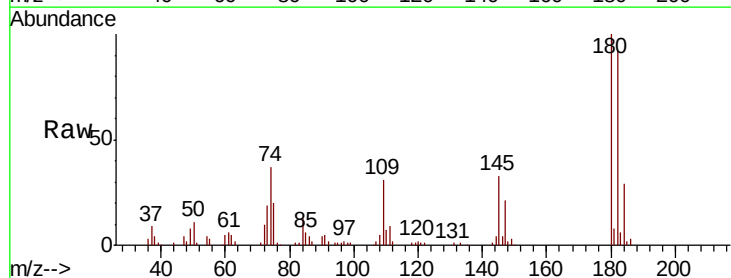


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

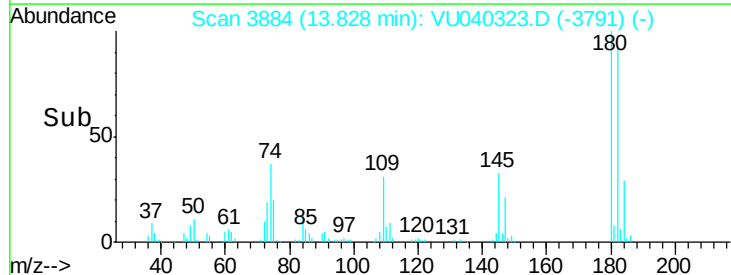
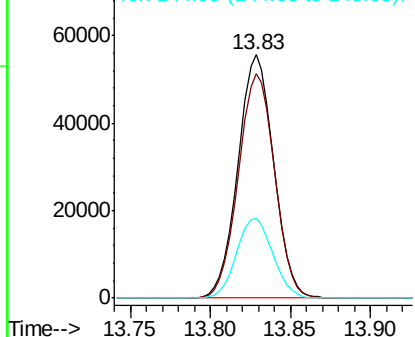


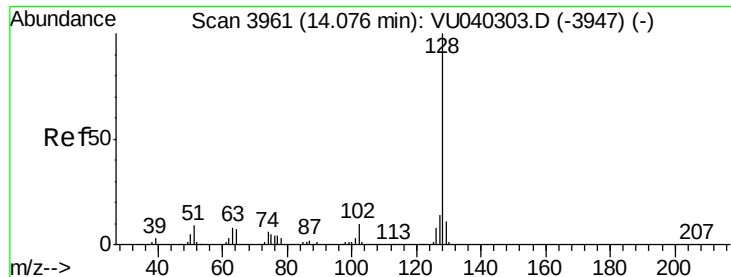
#68
 1,2,4-trichlorobenzene
 Concen: 5.293 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU040323.D
 Acq: 26 Sep 2020 01:12

Tgt Ion:180 Resp: 84514
 Ion Ratio Lower Upper
 180 100
 182 93.5 76.0 114.0
 145 33.3 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: 5.038 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040323.D

Acq: 26 Sep 2020 01:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

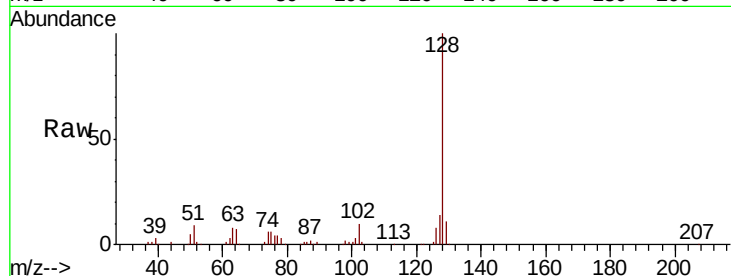
Tot Ion:128 Resp: 167696

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

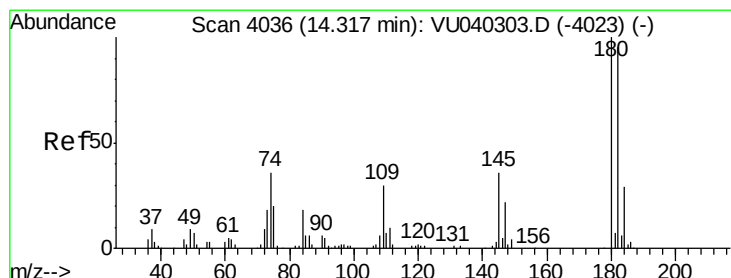
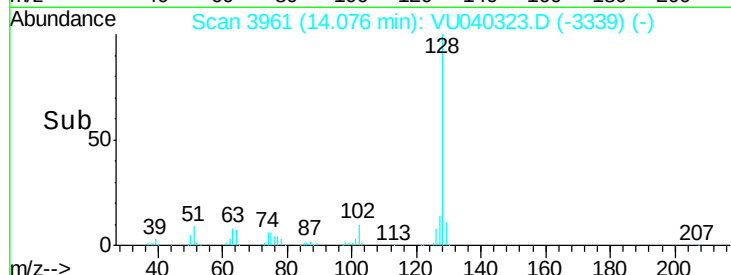
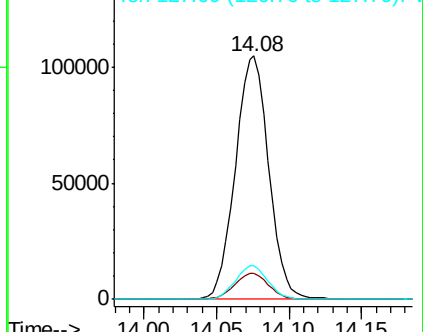
127 13.5 10.7 16.1



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: 5.465 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU040323.D

Acq: 26 Sep 2020 01:12

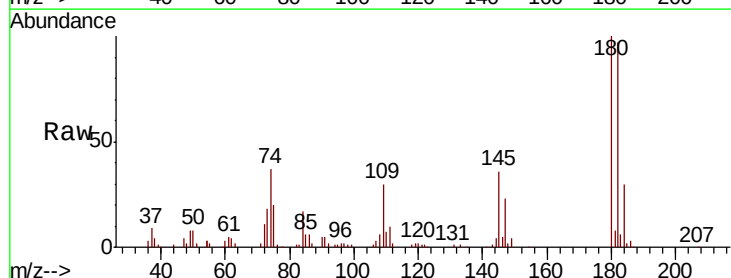
Tgt Ion:180 Resp: 80160

Ion Ratio Lower Upper

180 100

182 95.1 77.8 116.6

145 35.2 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

